



245 New York Ranch Rd, Suite A, Jackson, CA 95642 (209) 418-3175  
email: [atranle@49erwaterlab.com](mailto:atranle@49erwaterlab.com) / [www.49erwaterlab.com](http://www.49erwaterlab.com)

01/10/2025

Christian Valley Park CSD  
attn: Don Elias  
P.O. Box 6857  
Auburn, CA 95604

Please find the attached report for your water analysis for **Order #24469**. Your sample(s) were received on 12/19/2024 11:05. Your sample(s) were analyzed in accordance with your request with use of AWWA, EPA, ISO/IEC 17025:2017, 2016 TNI Standard and/or approved ELAP methods. All Quality Control results are within acceptable limits except where noted as a notation and/or case summary.

Please feel free to contact us if you have any questions regarding your report(s) or invoice.

We value and thank you for your business.

Sincerely,

A handwritten signature in blue ink, appearing to read "A. Tran-Le", is positioned below the word "Sincerely,".

A. Tran-Le  
Lab Manager

CA ELAP Certification #3036



A FULL SERVICE ENVIRONMENTAL LAB

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<b>Client:</b> Christian Valley Park CSD attn: Don Elias	<b>Reported:</b> 01/10/2025
<b>Report To:</b> P.O. Box 6857 Auburn, CA 95604	<b>Order No:</b> 24469

### Analysis Report

**Sample Description:** Christian Valley - Drinking Water **Sample No:** 64910  
**Location:** WTP  
**Point of Collection:** Treated Plant Effluent (PWS CA3110034\_001\_001)  
**Sampled:** 12/19/2024 08:34 **Received:** 12/19/2024 11:05

Analyte	Category	Results	Units	MDL	RL	Prepared	Analyzed	Method
pH	Wet Chemistry	7.4	S.U.	0.1	0.1	12/19/24 14:35	12/19/24 14:55	SM4500H+B-2011/2000
Temperature	Wet Chemistry	18.4	Degrees C	0.1	0.1		12/19/24 14:35	SM 2550B
Total Alkalinity	Wet Chemistry	18.5	mg/l	2.0	5.0	12/27/24 12:15	12/27/24 14:28	SM 2320B-2011/1997
Total Dissolved Solids	Wet Chemistry	23	mg/L	2.0	2.0	12/20/24 13:00	12/23/24 14:25	SM2540C-2015/1997
Total Hardness (DW)	Wet Chemistry	18.3	mg/l	2.0	5.0	12/26/24 13:30	12/26/24 15:26	SM 2340C-1997
Langelier Index	(No Category)	9.1	LSI	-5.0			12/27/24 14:28	Calculation
Synthetic Organic Compound (SOC)	Gas Chromatography	Subcontracted to BSK	mg/l			12/19/24 12:00	01/08/25 16:05	Subwork
Volatile Organic Compounds (VOCs)	Gas Chromatography	Subcontracted to BSK	mg/L	0.1	0.1	12/19/24 12:00	01/08/25 16:05	EPA 524.2/624 Subwork
Aluminum, Total Recoverable	Metals	Subcontracted to BSK	ug/l	0.831	5.0	12/19/24 12:00	01/08/25 16:05	EPA 200.8
Antimony, Total Recoverable	Metals	Subcontracted to BSK	ug/l	0.093	0.5	12/19/24 12:00	01/08/25 16:05	EPA 200.8
Beryllium, Total Recoverable	Metals	Subcontracted to BSK	ug/l	0.073	0.5	12/19/24 12:00	01/08/25 16:05	EPA 200.8
Cyanide	Metals	Subcontracted to BSK	ug/l	1.0	5.0	12/19/24 12:00	01/08/25 16:05	SM 4500CN-E
Nickel, Total Recoverable	Metals	Subcontracted to BSK	ug/l	0.083	0.5	12/19/24 12:00	01/08/25 16:05	EPA 200.8
Thalium, Total Recoverable	Metals	Subcontracted to BSK	ug/l	0.113	0.5	12/19/24 12:00	01/08/25 16:05	EPA 200.8
Nitrate as N (H)	Wet Chemistry	ND	mg/L	0.223	0.67	12/19/24 16:00	12/19/24 16:35	HACH 10206

### Quality Control Data

Analyte	Result	RL	Units	Spike Level	Source Result	MDL	% REC	% REC Limits	RPD	RPD Limit	Notes
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Signature of Completion:

A. Tran-Le  
Lab Manager



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**Client:** Christian Valley Park CSD  
attn: Don Elias  
**Report To:** P.O. Box 6857  
Auburn, CA 95604

**Reported:** 01/10/2025  
**Order No:** 24469

**Definitions**

- ND - Non-Detection of analyte at MDL
- MDL - Method detection limit for analyte
- RL - Reporting limit for analyte
- RPD - Recovery % Different
- LCS/BS - Laboratory Control Sample or Blank Standard
- MS/MSD - Matrix Spike
- ICV - Initial Calibration Value
- CCV - Completion Calibration Value
- TNTC - Too Numerous to Count

**Notations**

Subcontracted - Date/time for prepared/analyzed refer to when sample was released to/received from sub lab.

**Case Summary**

CLIP



245 New York Ranch Rd, Suite A, Jackson, CA 95642 (209) 418-3175  
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Batch #: 9402 Prepared - 12/27/2024 Analyzed - 12/27/2024

Total Alkalinity SM 2320B-1997/SM 2320B-2011

Analyte	Results	Units	Spike Level	Source		% REC			RPD		Notes/Comments
				Results	RL	MDL	% REC	Limits	RPD	Limits	
Blank	1.95	mg/L	0		5.0	2.0					
BS1	225.8	mg/L	250		5.0	2.0	90.3	90-110	10	20	
BS2		mg/L	250		5.0	2.0	#####	90-110	###	20	
BS3		mg/L	250		5.0	2.0	#####	90-110	###	20	
MS1	233.6	mg/L	250	23.6	5.0	2.0	84.0	80-120	6.8	20	65162
MS2	243.3	mg/L	250	23.6	5.0	2.0	87.9	80-120	2.7	20	65162
MS3		mg/L	250		5.0	2.0	#####	80-120	###	20	
Dup1	21.4	mg/L		21.4	5.0	2.0	100.0	80-120	0	20	65161
Dup2		mg/L			5.0	2.0	#####	80-120	###	20	
Dup3		mg/L			5.0	2.0	#####	80-120	###	20	
BS CCV	225.8	mg/L	250		5.0	2.0	90.3	90-110	10	20	

- B - Blank value out of acceptable limits
- D - Duplicate value out of acceptable limits
- C - CCV value out of acceptable limits
- S - Standard spike level out of acceptable limits
- Source - denotes the source sample for MS or Duplicate
- M- Matrix spike level out of acceptable limits
- ##### - denotes no value/results for calculations in section

Reagents/Standards	Product-ID #	Equipments
Check Std	1224-L028	Buret-1
H2SO4, 0.02M Std	1124-L033	pH Meter-1
BS Std	1224-L133	pH Probe-4
MS/MSD Std	1224-L134	MSx Std

49er Water Laboratory <b>Forms</b>	Doc. No.: FNW-FR035
	Revision No.: 1.4 Initials: SB
<b>TITLE: SAMPLE RECEIVING AND INTEGRITY LOG SHEET</b>	Active Date: 10/1/2024 Approved by: LT
	Reference SOP: FNW-QM22

Work Order # (Sample #): 24469 (64910)

**Sample Receiving/Integrity**

**Received By:** EW      **Logged By:** LT      **Sample Accepted:** Yes  
(if sample not accepted, explain in Comment/Status section reason for rejection of sample)

**Date/Time:** 12/19/24 1105

**Customer Info:** Christian Valley Park CSD

Sample Transport: Courier

Transported in: Ice Chest/Cooler

Has Chilling Process begun: Yes      Samples Received: On Wet Ice

Temperature of Sample (°C): 6.0 (O) 6.0 (C) Ice Chest Temperature 4.0 (O) 4.0 (C)

Field Temperature: NA      Thermometer: IR1

\*Observed (O) and Corrected (C) temperature is recorded, after taking temp, make the +/- from IR1 label and record that temperature.

**Bottle/Sample Analysis Information**

Did bottles arrive unbroken and intact? Yes

Sample is within Hold Time? Yes

Did bottle labels agree with COC? Yes

Correct containers used? Yes      Bottle Lot# if from Lab: \_\_\_\_\_

Were correct preservatives used for tests requested? Yes \_\_\_\_\_

Was there a sufficient sample volume? Yes

Were bubbles present in VOA vials? (Volatile methods only) NA

Chlorine Residual Check (Bacteriological ONLY) Yes      ND

Turn-Around Time: Standard      COC Completed: Yes

Payment Information: Bill      Payment Info: \_\_\_\_\_

Report Requested via: Portal      Email: \_\_\_\_\_

Due Date: 1/2/25      Samples in Order: 1

Notification needed for bacteria and/or exceed of limits for drinking H2O: Yes

Additional Comments/Instructions:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



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 Lakson, CA 95642  
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CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

Laboratory/ Customer:	Project Manager:
Christian Valley Park, CSD	Jason Hoffman
Project Name:	Project Location:
DDW Annual Sampling	WTP
Phone: 530-232-8116	Sampled By: H. Barnhill
Email: jason@americanriverbackflow.com	

Special Requests/Instructions/Comments:	EDT Report <input type="checkbox"/>
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Reports Requested (Check Box):	Email <input checked="" type="checkbox"/>	Mail <input type="checkbox"/>	Portal <input checked="" type="checkbox"/>	State Form <input type="checkbox"/>	PWS#
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	TAT
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Number of Containers	Sample Info	Sample		Sampling		Container		Preservatives					Matrix					Nitrate/Nitrite	Regulated SOC	Regulated VOC	Secondary GP- Aggressive Index	Inorganics-Aluminum, Antimony, Beryllium, Inorganics-Cyanide, Nickel, Thallium	Standard	RUSH: 24HRS (if applicable) 48HRS, 3 DAYS, 5 DAYS									
		Grab	Composite	Date	Time	VOA	Glass	Plastic	Other:	Cold (<4° C)	H2SO4	HNO3	HCl	Other: w/ Na2S2O3	Drinking Water	Waste Water	Surface Water/Stream								Sludge/Soil	Other:							
	WTP Treated Effluent	x		12/19	8:34					x					x																	x	

Total # of Containers:							
Relinquished by:	Date	Time	Received by:				Logged In
	12/19/24	8:35	12/19/24	9:00			4.5
	12/19/24	11:05					3.6



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Batch #: 9387 Prepared - 12/26/2024 Analyzed - 12/26/2024

Total Hardness SM 2340B-1997/SM 2340B-2011

Analyte	Results	Units	Spike Level	Source Results	RL	MDL	% REC	% REC Limits	RPD	RPD Limits	Source/Notes
Blank	0.0	mg/L	0		5.0	2.0					
BS1	103.7	mg/L	100		5.0	5.0	104	90-110	3.6	20	
BS2		mg/L	100		5.0	5.0	#####	90-110	####	20	
BS3		mg/L	100		5.0	5.0	#####	90-110	####	20	
MS1	349.6	mg/L	100	280.5	5.0	5.0	69.1	80-120	8.5	20	64894 M
MS2	353.7	mg/L	100	280.5	5.0	5.0	73.2	80-120	7.3	20	64894 M
MS3		mg/L	100		5.0	5.0	#####	80-120	####	20	
Dup1_	34.6	mg/L		36.6	5.0	5.0	94.5	80-120	5.6	20	65146
Dup2_		mg/L			5.0	5.0	#####	80-120	####	20	
Dup3_		mg/L			5.0	5.0	#####	80-120	####	20	
BS CCV	101.6	mg/L	100		5.0	5.0	102	90-110	1.6	20	

- B - Blank value out of acceptable limits
- D - Duplicate value out of acceptable limits
- C - CCV value out of acceptable limits
- S - Standard spike level out of acceptable limits
- M - Matrix spike level out of acceptable limits
- Source - denotes the source sample for MS or Duplicate
- #### - denotes no value/results for calculations in section

Reagents/Standards	Product-ID #	Equipments
Check Std	1224-L039	Buret-2
Hardness Indicator	0424-L201	pH Meter-1
Buffer 1 Solution	38-1678	pH Probe-4
Titration EDTA	0424-L088	Stir Plate-3
Hardness Std Solution	0824-L027	Exp: 2/6/25
BS Std	1224-L128	
MS/MSD Std	1224-L129	MSD2 Std



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**QC Data**

Batch #: 9358 Prepared - 12/19/2024 Analyzed - 12/19/2024

Nitrate as N Hach 10206

Analyte	Results	Units	Spike Level	Source		MDL	% REC		RPD		Source/Notes
				Results	RL		% REC	Limits	RPD	Limits	
NO3 - Blank	0.041	mg/L			0.67	0.223					
NO3 - I-CCV	5.12	mg/L	5.00		0.67	0.223	102.4	90-110	2.4	20	LR
NO3 - C-CCV	5.11	mg/L	5.00		0.67	0.223	102.2	90-110	2.2	20	LR
NO3 - I-CCV	NA	mg/L	10.0		1.0	0.3	#####	90-110	###	20	HR
NO3 - I-CCV	NA	mg/L	10.0		1.0	0.3	#####	90-110	###	20	HR
NO3 - MS	5.14	mg/L	5.00	0.02	0.67	0.223	102.4	80-120			64849
NO3 - MSD	5.14	mg/L	5.00	0.02	0.67	0.223	102.4	80-120			64849
NO3 - Dup1	3.97	mg/L		3.93	0.67	0.223	101.0	80-120	1	20	64869
NO3 - Dup2		mg/L			0.67	0.223	#####	80-120	###	20	
NO3 - Dup3		mg/L			0.67	0.223	#####	80-120	###	20	

- B - Blank value out of acceptable limits
- D - Duplicate value out of acceptable limits
- C - CCV value out of acceptable limits for one or both phase
- S - Standard spike level out of acceptable limits
- Source - denotes the source sample for MS or Duplicate
- M- Matrix spike level out of acceptable limits
- HR/LR - denotes High Range or Low Range analyzed
- #### - denotes no value/results for calculations in section

Reagents/Standards	Product-ID #	Equipments
TNT Product#	LR 127-1671	SPEC-2 T1-2-3
TNT Product#	HR NA	MP-10 MP-5
CCV Std Reagent#	LR 1224-L110	MP-12 MP-2
CCV Std Reagent#	HR NA	
MS/MSD Std	LR 1224-L111	
MS/MSD Std	HR N/A	

FNW-SOP-022 Ver 1.3 9/9/2022  
 FNW-FR-NO3-QC-EO Ver. 1.3 9/9/2022





BSK Associates Sacramento  
9332 Tech Center Dr, Suite 100  
Sacramento, CA 95826  
916.853.9293 (Main)

**SHL0410**

**1/08/2025**

Invoice: SI00074

Le Tran  
49er Water Services  
245 New York Ranch Rd. Suite A  
Jackson, CA 95642

**RE: Report for SHL0410 Drinking Water**

Dear Le Tran,

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 12/19/2024. 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 Client Services Representative, Alejandra Gomez, at (916) 853-9293.

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

Sincerely,

---

Alejandra Gomez, Senior Project Manager

**Case Narrative**

Project and Report Details	Invoice Details
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<b>Client:</b> 49er Water Services <b>Report To:</b> Le Tran <b>Project #:</b> 24469 - Drinking Water <b>Received:</b> 12/19/2024 - 13:00 <b>Report Due:</b> 1/08/2025	<b>Invoice To:</b> 49er Water Services <b>Invoice Attn:</b> Shane Burr <b>Project PO#:</b> -
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**Sample Receipt Conditions**

<b>Cooler:</b> Default Cooler <b>Temperature on Receipt °C:</b> 5.2	Containers Intact COC/Labels Agree Received On Ice Sample(s) arrived at lab on same day sampled. Sample(s) were received in temperature range. Initial receipt at BSK-SAC
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**Data Qualifiers**

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

CV0.0    CCV recovery was above method acceptance limits; no material impact on reported result as sample detection is below the reporting limit for this parameter.

**Report Distribution**

Recipient(s)	Report Format	CC:
Le Tran	MCL_FINAL.RPT	shane@49erwaterlab.com

**Certificate of Analysis**

**Sample ID:** SHL0410-01

**Sampled By:** Client

**Sample Description:** Treated Plant Effluent // 64910

**Sample Date - Time:** 12/19/2024 - 08:34

**Matrix:** Drinking Water

**Sample Type:** Grab

**BSK Associates Laboratory Fresno  
General Chemistry**

Analyte	Method	Result	RL	Units	RL Mult	1° MCL	2° MCL	Batch	Prepared	Analyzed	Qual
Cyanide (total)	SM 4500-CN E	ND	5.0	ug/L	1	150		AHL1700	12/30/24	12/31/24	

**Metals**

Analyte	Method	Result	RL	Units	RL Mult	1° MCL	2° MCL	Batch	Prepared	Analyzed	Qual
Aluminum	EPA 200.7	ND	50	ug/L	1	1000	200	AHL1484	12/24/24	12/26/24	
Antimony	EPA 200.8	ND	2.0	ug/L	1	6		AHL1484	12/24/24	12/26/24	
Beryllium	EPA 200.8	ND	1.0	ug/L	1	4		AHL1484	12/24/24	12/26/24	
Nickel	EPA 200.8	ND	10	ug/L	1	100		AHL1484	12/24/24	12/26/24	
Thallium	EPA 200.8	ND	1.0	ug/L	1	2		AHL1484	12/24/24	12/27/24	

**Organics**

Analyte	Method	Result	RL	Units	RL Mult	1° MCL	2° MCL	Batch	Prepared	Analyzed	Qual
<b><u>EDB and DBCP by GC-ECD</u></b>											
Ethylene Dibromide (EDB)	EPA 504.1	ND	0.020	ug/L	1	0.05		AHL1414	12/23/24	12/23/24	
Dibromochloropropane (DBCP)	EPA 504.1	ND	0.010	ug/L	1	0.2		AHL1414	12/23/24	12/23/24	
Surrogate: 1-Br-2-Nitrobenzene	EPA 504.1	102 %									Acceptable range: 70-130 %
<b><u>Organohalide Pesticides and PCBs by GC-ECD</u></b>											
Aldrin	EPA 505	ND	0.075	ug/L	1			AHL1414	12/23/24	12/23/24	
Chlordane (Technical)	EPA 505	ND	0.10	ug/L	1	0.1		AHL1414	12/23/24	12/23/24	
Dieldrin	EPA 505	ND	0.020	ug/L	1			AHL1414	12/23/24	12/23/24	
Endrin	EPA 505	ND	0.10	ug/L	1	2		AHL1414	12/23/24	12/23/24	
Heptachlor	EPA 505	ND	0.010	ug/L	1	0.01		AHL1414	12/23/24	12/23/24	
Heptachlor Epoxide	EPA 505	ND	0.010	ug/L	1	0.01		AHL1414	12/23/24	12/23/24	
Hexachlorobenzene	EPA 505	ND	0.50	ug/L	1	1		AHL1414	12/23/24	12/23/24	
Hexachlorocyclopentadiene	EPA 505	ND	1.0	ug/L	1	50		AHL1414	12/23/24	12/23/24	
Lindane	EPA 505	ND	0.20	ug/L	1	0.2		AHL1414	12/23/24	12/23/24	
Methoxychlor	EPA 505	ND	10	ug/L	1	30		AHL1414	12/23/24	12/23/24	
PCB Aroclor Screen	EPA 505	ND	0.50	ug/L	1	0.5		AHL1414	12/23/24	12/23/24	
Toxaphene	EPA 505	ND	1.0	ug/L	1	3		AHL1414	12/23/24	12/23/24	
Surrogate: 1-Br-2-Nitrobenzene	EPA 505	102 %									Acceptable range: 70-130 %
<b><u>Chlorinated Acid Herbicides by GC-ECD</u></b>											
2,4,5-T	EPA 515.4	ND	1.0	ug/L	1			AHL1635	12/27/24	12/30/24	
2,4,5-TP (Silvex)	EPA 515.4	ND	1.0	ug/L	1	50		AHL1635	12/27/24	12/30/24	
2,4-D	EPA 515.4	ND	10	ug/L	1	70		AHL1635	12/27/24	12/30/24	
Bentazon	EPA 515.4	ND	2.0	ug/L	1	18		AHL1635	12/27/24	12/30/24	
Dalapon	EPA 515.4	ND	10	ug/L	1	200		AHL1635	12/27/24	12/30/24	
Dicamba	EPA 515.4	ND	1.5	ug/L	1			AHL1635	12/27/24	12/30/24	
Dinoseb	EPA 515.4	ND	2.0	ug/L	1	7		AHL1635	12/27/24	12/30/24	
Pentachlorophenol	EPA 515.4	ND	0.20	ug/L	1	1		AHL1635	12/27/24	12/30/24	
Picloram	EPA 515.4	ND	1.0	ug/L	1	500		AHL1635	12/27/24	12/30/24	

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

**Certificate of Analysis**

**Sample ID:** SHL0410-01  
**Sampled By:** Client  
**Sample Description:** Treated Plant Effluent // 64910

**Sample Date - Time:** 12/19/2024 - 08:34  
**Matrix:** Drinking Water  
**Sample Type:** Grab

**Organics**

Analyte	Method	Result	RL	Units	RL Mult	1° MCL	2° MCL	Batch	Prepared	Analyzed	Qual	
Surrogate: DCPAA	EPA 515.4	100 %										<i>Acceptable range: 70-130 %</i>
<b><u>Volatile Organics (SDWA Regulated) by GC-MS</u></b>												
1,1,1-Trichloroethane	EPA 524.2	ND	0.50	ug/L	1	200		AHL1338	12/20/24	12/20/24		
1,1,2,2-Tetrachloroethane	EPA 524.2	ND	0.50	ug/L	1	1		AHL1338	12/20/24	12/20/24		
1,1,2-Trichloro-1,2,2-trifluoroethane	EPA 524.2	ND	2.0	ug/L	1	1200		AHL1338	12/20/24	12/20/24		
1,1,2-Trichloroethane	EPA 524.2	ND	0.50	ug/L	1	5		AHL1338	12/20/24	12/20/24		
1,1-Dichloroethane	EPA 524.2	ND	0.50	ug/L	1	5		AHL1338	12/20/24	12/20/24		
1,1-Dichloroethene	EPA 524.2	ND	0.50	ug/L	1	6		AHL1338	12/20/24	12/20/24		
1,2,4-Trichlorobenzene	EPA 524.2	ND	0.50	ug/L	1	5		AHL1338	12/20/24	12/20/24		
1,2-Dichlorobenzene	EPA 524.2	ND	0.50	ug/L	1	600		AHL1338	12/20/24	12/20/24		
1,2-Dichloroethane	EPA 524.2	ND	0.50	ug/L	1	0.5		AHL1338	12/20/24	12/20/24		
1,2-Dichloropropane	EPA 524.2	ND	0.50	ug/L	1	5		AHL1338	12/20/24	12/20/24		
1,4-Dichlorobenzene	EPA 524.2	ND	0.50	ug/L	1	5		AHL1338	12/20/24	12/20/24		
Benzene	EPA 524.2	ND	0.50	ug/L	1	1		AHL1338	12/20/24	12/20/24		
Carbon Tetrachloride	EPA 524.2	ND	0.50	ug/L	1	0.5		AHL1338	12/20/24	12/20/24		
Chlorobenzene	EPA 524.2	ND	0.50	ug/L	1	70		AHL1338	12/20/24	12/20/24		
cis-1,2-Dichloroethene	EPA 524.2	ND	0.50	ug/L	1	6		AHL1338	12/20/24	12/20/24		
cis-1,3-Dichloropropene	EPA 524.2	ND	0.50	ug/L	1			AHL1338	12/20/24	12/20/24		
Dichloromethane	EPA 524.2	ND	0.50	ug/L	1	5		AHL1338	12/20/24	12/20/24		
Ethylbenzene	EPA 524.2	ND	0.50	ug/L	1	300		AHL1338	12/20/24	12/20/24		
m,p-Xylenes	EPA 524.2	ND	0.50	ug/L	1			AHL1338	12/20/24	12/20/24		
Methyl-t-butyl ether	EPA 524.2	ND	0.50	ug/L	1	13	5	AHL1338	12/20/24	12/20/24		
o-Xylene	EPA 524.2	ND	0.50	ug/L	1			AHL1338	12/20/24	12/20/24		
Styrene	EPA 524.2	ND	0.50	ug/L	1	100		AHL1338	12/20/24	12/20/24		
Tetrachloroethene (PCE)	EPA 524.2	ND	0.50	ug/L	1	5		AHL1338	12/20/24	12/20/24		
Toluene	EPA 524.2	ND	0.50	ug/L	1	150		AHL1338	12/20/24	12/20/24		
trans-1,2-Dichloroethene	EPA 524.2	ND	0.50	ug/L	1	10		AHL1338	12/20/24	12/20/24		
trans-1,3-Dichloropropene	EPA 524.2	ND	0.50	ug/L	1			AHL1338	12/20/24	12/20/24		
Trichloroethene (TCE)	EPA 524.2	ND	0.50	ug/L	1	5		AHL1338	12/20/24	12/20/24		
Trichlorofluoromethane	EPA 524.2	ND	5.0	ug/L	1	150		AHL1338	12/20/24	12/20/24		
Vinyl Chloride	EPA 524.2	ND	0.50	ug/L	1	0.5		AHL1338	12/20/24	12/20/24		
Total 1,3-Dichloropropene	EPA 524.2	ND	0.50	ug/L	1	0.5		AHL1338	12/20/24	12/20/24		
Total Xylenes	EPA 524.2	ND	0.50	ug/L	1	1750		AHL1338	12/20/24	12/20/24		
Surrogate: 1,2-Dichlorobenzene-d4	EPA 524.2	103 %										<i>Acceptable range: 70-130 %</i>
Surrogate: Bromofluorobenzene	EPA 524.2	96 %										<i>Acceptable range: 70-130 %</i>
<b><u>Semi-Volatile Organics by GC-MS</u></b>												
Alachlor	EPA 525.3	ND	1.0	ug/L	1	2		AHL1679	12/28/24	12/31/24		
Atrazine	EPA 525.3	ND	0.50	ug/L	1	1		AHL1679	12/28/24	12/31/24		
Benzo(a)pyrene	EPA 525.3	ND	0.10	ug/L	1	0.2		AHL1679	12/28/24	12/31/24		
Bis(2-ethylhexyl) adipate	EPA 525.3	ND	5.0	ug/L	1	400		AHL1679	12/28/24	12/31/24		CV0.0
Bis(2-ethylhexyl) phthalate	EPA 525.3	ND	3.0	ug/L	1	4		AHL1679	12/28/24	12/31/24		CV0.0
Bromacil	EPA 525.3	ND	10	ug/L	1			AHL1679	12/28/24	12/31/24		
Butachlor	EPA 525.3	ND	0.38	ug/L	1			AHL1679	12/28/24	12/31/24		
Diazinon	EPA 525.3	ND	0.25	ug/L	1			AHL1679	12/28/24	12/31/24		
Dimethoate	EPA 525.3	ND	10	ug/L	1			AHL1679	12/28/24	12/31/24		

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SHL0410 FINAL 01082025 1601

**Certificate of Analysis**

**Sample ID:** SHL0410-01  
**Sampled By:** Client  
**Sample Description:** Treated Plant Effluent // 64910

**Sample Date - Time:** 12/19/2024 - 08:34  
**Matrix:** Drinking Water  
**Sample Type:** Grab

**Organics**

Analyte	Method	Result	RL	Units	RL Mult	1° MCL	2° MCL	Batch	Prepared	Analyzed	Qual
<b><u>Semi-Volatile Organics by GC-MS</u></b>											
Metolachlor	EPA 525.3	ND	0.50	ug/L	1			AHL1679	12/28/24	12/31/24	
Metribuzin	EPA 525.3	ND	0.50	ug/L	1			AHL1679	12/28/24	12/31/24	
Molinate	EPA 525.3	ND	2.0	ug/L	1	20		AHL1679	12/28/24	12/31/24	
Propachlor	EPA 525.3	ND	0.50	ug/L	1			AHL1679	12/28/24	12/31/24	
Simazine	EPA 525.3	ND	1.0	ug/L	1	4		AHL1679	12/28/24	12/31/24	
Thiobencarb	EPA 525.3	ND	1.0	ug/L	1	70	1	AHL1679	12/28/24	12/31/24	
Surrogate: 1,3-Dimethyl-2-nitrobenzene	EPA 525.3	100 %									<i>Acceptable range: 70-130 %</i>
Surrogate: Benzo(a)pyrene-d12	EPA 525.3	100 %									<i>Acceptable range: 70-130 %</i>
Surrogate: Triphenyl Phosphate	EPA 525.3	126 %									<i>Acceptable range: 70-130 %</i>
<b><u>Carbamates by HPLC</u></b>											
3-Hydroxycarbofuran	EPA 531.1	ND	3.0	ug/L	1			AHL1726	12/30/24	12/31/24	
Aldicarb	EPA 531.1	ND	3.0	ug/L	1			AHL1726	12/30/24	12/31/24	
Aldicarb Sulfone	EPA 531.1	ND	2.0	ug/L	1			AHL1726	12/30/24	12/31/24	
Aldicarb Sulfoxide	EPA 531.1	ND	3.0	ug/L	1			AHL1726	12/30/24	12/31/24	
Carbaryl	EPA 531.1	ND	5.0	ug/L	1			AHL1726	12/30/24	12/31/24	
Carbofuran	EPA 531.1	ND	5.0	ug/L	1	18		AHL1726	12/30/24	12/31/24	
Methomyl	EPA 531.1	ND	2.0	ug/L	1			AHL1726	12/30/24	12/31/24	
Oxamyl	EPA 531.1	ND	20	ug/L	1	50		AHL1726	12/30/24	12/31/24	
<b><u>Glyphosate by HPLC</u></b>											
Glyphosate	EPA 547	ND	25	ug/L	1	700		AHL1623	12/26/24	12/27/24	
Surrogate: AMPA	EPA 547	93 %									<i>Acceptable range: 70-130 %</i>
<b><u>Endothall by GC-MS</u></b>											
Endothall	EPA 548.1	ND	45	ug/L	1	100		AHL1581	12/24/24	12/30/24	
<b><u>Diquat by HPLC</u></b>											
Diquat	EPA 549.2	ND	4.0	ug/L	1	20		AHL1504	12/23/24	01/06/25	

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**BSK Associates Laboratory Fresno**  
**General Chemistry Quality Control Report**

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

**Batch: AHL1700**

Prepared: 12/30/2024

**Prep Method: SM 4500-CN C / EPA 9010C**

Analyst: KPD

**Blank (AHL1700-BLK1)**

Cyanide (total)	ND	5.0	ug/L							12/31/24	
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**Blank Spike (AHL1700-BS1)**

Cyanide (total)	240	5.0	ug/L	250	ND	98	80-120			12/31/24	
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**Blank Spike Dup (AHL1700-BSD1)**

Cyanide (total)	250	5.0	ug/L	250	ND	99	80-120	1	20	12/31/24	
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**Matrix Spike (AHL1700-MS1), Source: SHL0410-01**

Cyanide (total)	250	5.0	ug/L	250	ND	99	80-120			12/31/24	
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**Matrix Spike Dup (AHL1700-MSD1), Source: SHL0410-01**

Cyanide (total)	250	5.0	ug/L	250	ND	101	80-120	2	20	12/31/24	
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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.*

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

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

Batch: AHL1484

Prepared: 12/24/2024

Prep Method: EPA 200.2

Analyst: MDS

**Blank (AHL1484-BLK2)**

Aluminum	ND	50	ug/L							12/26/24	
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**Blank Spike (AHL1484-BS2)**

Aluminum	260	50	ug/L	240	ND	110	85-115			12/26/24	
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**Blank Spike Dup (AHL1484-BS2)**

Aluminum	260	50	ug/L	240	ND	110	85-115	1	20	12/26/24	
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**Matrix Spike (AHL1484-MS3), Source: SHL0413-02**

Aluminum	270	50	ug/L	240	ND	114	70-130			12/26/24	
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**Matrix Spike Dup (AHL1484-MS3), Source: SHL0413-02**

Aluminum	280	50	ug/L	240	ND	116	70-130	2	20	12/26/24	
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**EPA 200.8 - Quality Control**

Batch: AHL1484

Prepared: 12/24/2024

Prep Method: EPA 200.2

Analyst: EEK

**Blank (AHL1484-BLK1)**

Beryllium	ND	1.0	ug/L							12/26/24	
Nickel	ND	10	ug/L							12/26/24	
Antimony	ND	2.0	ug/L							12/26/24	
Thallium	ND	1.0	ug/L							12/26/24	

**Blank Spike (AHL1484-BS1)**

Beryllium	230	1.0	ug/L	240	ND	97	85-115			12/26/24	
Nickel	220	10	ug/L	240	ND	93	85-115			12/26/24	
Antimony	240	2.0	ug/L	240	ND	99	85-115			12/26/24	
Thallium	230	1.0	ug/L	240	ND	96	85-115			12/27/24	

**Blank Spike Dup (AHL1484-BS1)**

Beryllium	230	1.0	ug/L	240	ND	97	85-115	0	20	12/26/24	
Nickel	220	10	ug/L	240	ND	93	85-115	0	20	12/26/24	
Antimony	240	2.0	ug/L	240	ND	98	85-115	1	20	12/26/24	
Thallium	200	1.0	ug/L	240	ND	85	85-115	12	20	12/26/24	

**Matrix Spike (AHL1484-MS1), Source: SHL0413-02**

Beryllium	230	1.0	ug/L	240	ND	95	70-130			12/26/24	
Nickel	210	10	ug/L	240	ND	89	70-130			12/26/24	
Antimony	240	2.0	ug/L	240	ND	100	70-130			12/26/24	
Thallium	210	1.0	ug/L	240	ND	87	70-130			12/26/24	

**Matrix Spike (AHL1484-MS2), Source: SHL0433-01**

Beryllium	220	1.0	ug/L	240	ND	93	70-130			12/26/24	
Nickel	210	10	ug/L	240	ND	88	70-130			12/26/24	

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

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

**Batch: AHL1484**  
**Prep Method: EPA 200.2**

Prepared: 12/24/2024  
 Analyst: EEK

**Matrix Spike (AHL1484-MS2), Source: SHL0433-01**

Antimony	240	2.0	ug/L	240	ND	98	70-130			12/26/24	
Thallium	190	1.0	ug/L	240	ND	80	70-130			12/26/24	

**Matrix Spike Dup (AHL1484-MSD1), Source: SHL0413-02**

Beryllium	240	1.0	ug/L	240	ND	99	70-130	4	20	12/26/24	
Nickel	220	10	ug/L	240	ND	91	70-130	2	20	12/26/24	
Antimony	240	2.0	ug/L	240	ND	100	70-130	1	20	12/26/24	
Thallium	200	1.0	ug/L	240	ND	84	70-130	4	20	12/26/24	

**Matrix Spike Dup (AHL1484-MSD2), Source: SHL0433-01**

Beryllium	230	1.0	ug/L	240	ND	96	70-130	3	20	12/26/24	
Nickel	210	10	ug/L	240	ND	88	70-130	1	20	12/26/24	
Antimony	240	2.0	ug/L	240	ND	101	70-130	3	20	12/26/24	
Thallium	200	1.0	ug/L	240	ND	82	70-130	2	20	12/26/24	

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



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

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

**Batch: AHL1414**

Prepared: 12/23/2024

**Prep Method: EPA 504/505**

Analyst: KMA

**Blank (AHL1414-BLK1)**

Ethylene Dibromide (EDB)	ND	0.020	ug/L							12/23/24	
Dibromochloropropane (DBCP)	ND	0.010	ug/L							12/23/24	
Surrogate: 1-Br-2-Nitrobenzene	0.48			0.46		104	70-130			12/23/24	

**Blank Spike (AHL1414-BS1)**

Ethylene Dibromide (EDB)	0.11	0.020	ug/L	0.10	ND	110	70-130			12/23/24	
Dibromochloropropane (DBCP)	0.10	0.010	ug/L	0.10	ND	103	70-130			12/23/24	
Surrogate: 1-Br-2-Nitrobenzene	0.47			0.46		103	70-130			12/23/24	

**Blank Spike Dup (AHL1414-BSD1)**

Ethylene Dibromide (EDB)	0.10	0.020	ug/L	0.10	ND	104	70-130	5	20	12/23/24	
Dibromochloropropane (DBCP)	0.10	0.010	ug/L	0.10	ND	102	70-130	0	20	12/23/24	
Surrogate: 1-Br-2-Nitrobenzene	0.46			0.46		101	70-130			12/23/24	

**Matrix Spike (AHL1414-MS1), Source: AHL2139-01**

Ethylene Dibromide (EDB)	0.10	0.020	ug/L	0.099	ND	101	65-135			12/23/24	
Dibromochloropropane (DBCP)	0.099	0.010	ug/L	0.099	ND	100	65-135			12/23/24	
Surrogate: 1-Br-2-Nitrobenzene	0.46			0.45		102	70-130			12/23/24	

**Matrix Spike (AHL1414-MS2), Source: AHL2458-01**

Ethylene Dibromide (EDB)	0.10	0.020	ug/L	0.10	ND	105	65-135			12/23/24	
Dibromochloropropane (DBCP)	0.15	0.010	ug/L	0.10	0.055	92	65-135			12/23/24	
Surrogate: 1-Br-2-Nitrobenzene	0.47			0.46		102	70-130			12/23/24	

**EPA 505 - Quality Control**

**Batch: AHL1414**

Prepared: 12/23/2024

**Prep Method: EPA 504/505**

Analyst: KMA

**Blank (AHL1414-BLK1)**

Aldrin	ND	0.075	ug/L							12/23/24	
Chlordane (Technical)	ND	0.10	ug/L							12/23/24	
Dieldrin	ND	0.020	ug/L							12/23/24	
Endrin	ND	0.10	ug/L							12/23/24	
Heptachlor	ND	0.010	ug/L							12/23/24	
Heptachlor Epoxide	ND	0.010	ug/L							12/23/24	
Hexachlorobenzene	ND	0.50	ug/L							12/23/24	
Hexachlorocyclopentadiene	ND	1.0	ug/L							12/23/24	
Lindane	ND	0.20	ug/L							12/23/24	
Methoxychlor	ND	10	ug/L							12/23/24	
PCB Aroclor Screen	ND	0.50	ug/L							12/23/24	
Toxaphene	ND	1.0	ug/L							12/23/24	
Surrogate: 1-Br-2-Nitrobenzene	0.48			0.46		104	70-130			12/23/24	

**Blank Spike (AHL1414-BS1)**

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

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

Batch: AHL1414

Prepared: 12/23/2024

Prep Method: EPA 504/505

Analyst: KMA

**Blank Spike (AHL1414-BS1)**

Aldrin	0.81	0.075	ug/L	0.74	ND	109	70-130			12/23/24	
Dieldrin	0.21	0.020	ug/L	0.20	ND	103	70-130			12/23/24	
Endrin	0.10	0.10	ug/L	0.10	ND	101	70-130			12/23/24	
Heptachlor	0.10	0.010	ug/L	0.10	ND	104	70-130			12/23/24	
Heptachlor Epoxide	0.10	0.010	ug/L	0.10	ND	105	70-130			12/23/24	
Hexachlorobenzene	1.1	0.50	ug/L	1.0	ND	106	70-130			12/23/24	
Hexachlorocyclopentadiene	1.0	1.0	ug/L	1.0	ND	104	70-130			12/23/24	
Lindane	0.20	0.20	ug/L	0.20	ND	102	70-130			12/23/24	
Methoxychlor	1.0	10	ug/L	1.0	ND	103	70-130			12/23/24	
Surrogate: 1-Br-2-Nitrobenzene	0.47			0.46		103	70-130			12/23/24	

**Blank Spike Dup (AHL1414-BSD1)**

Aldrin	0.80	0.075	ug/L	0.74	ND	107	70-130	2	20	12/23/24	
Dieldrin	0.21	0.020	ug/L	0.20	ND	104	70-130	1	20	12/23/24	
Endrin	0.10	0.10	ug/L	0.10	ND	103	70-130	2	20	12/23/24	
Heptachlor	0.10	0.010	ug/L	0.10	ND	104	70-130	0	20	12/23/24	
Heptachlor Epoxide	0.11	0.010	ug/L	0.10	ND	106	70-130	1	20	12/23/24	
Hexachlorobenzene	1.0	0.50	ug/L	1.0	ND	105	70-130	1	20	12/23/24	
Hexachlorocyclopentadiene	0.95	1.0	ug/L	1.0	ND	95	70-130	10	20	12/23/24	
Lindane	0.21	0.20	ug/L	0.20	ND	103	70-130	1	20	12/23/24	
Methoxychlor	1.0	10	ug/L	1.0	ND	101	70-130	2	20	12/23/24	
Surrogate: 1-Br-2-Nitrobenzene	0.46			0.46		101	70-130			12/23/24	

**Matrix Spike (AHL1414-MS1), Source: AHL2139-01**

Aldrin	0.72	0.075	ug/L	0.74	ND	97	65-135			12/23/24	
Dieldrin	0.20	0.020	ug/L	0.20	ND	100	65-135			12/23/24	
Endrin	0.10	0.10	ug/L	0.099	ND	103	65-135			12/23/24	
Heptachlor	0.096	0.010	ug/L	0.099	ND	96	65-135			12/23/24	
Heptachlor Epoxide	0.10	0.010	ug/L	0.099	ND	102	65-135			12/23/24	
Hexachlorobenzene	1.0	0.50	ug/L	0.99	ND	101	65-135			12/23/24	
Hexachlorocyclopentadiene	0.92	1.0	ug/L	0.99	ND	93	65-135			12/23/24	
Lindane	0.20	0.20	ug/L	0.20	ND	100	65-135			12/23/24	
Methoxychlor	1.0	10	ug/L	0.99	ND	101	65-135			12/23/24	
Surrogate: 1-Br-2-Nitrobenzene	0.46			0.45		102	70-130			12/23/24	

**Matrix Spike (AHL1414-MS2), Source: AHL2458-01**

Aldrin	0.72	0.075	ug/L	0.74	ND	97	65-135			12/23/24	
Dieldrin	0.20	0.020	ug/L	0.20	ND	98	65-135			12/23/24	
Endrin	0.11	0.10	ug/L	0.10	ND	107	65-135			12/23/24	
Heptachlor	0.10	0.010	ug/L	0.10	ND	103	65-135			12/23/24	
Heptachlor Epoxide	0.10	0.010	ug/L	0.10	ND	102	65-135			12/23/24	
Hexachlorobenzene	1.0	0.50	ug/L	1.0	ND	102	65-135			12/23/24	
Hexachlorocyclopentadiene	1.0	1.0	ug/L	1.0	ND	103	65-135			12/23/24	
Lindane	0.20	0.20	ug/L	0.20	ND	99	65-135			12/23/24	

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

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

Batch: AHL1414

Prepared: 12/23/2024

Prep Method: EPA 504/505

Analyst: KMA

**Matrix Spike (AHL1414-MS2), Source: AHL2458-01**

Methoxychlor	0.98	10	ug/L	1.0	ND	99	65-135			12/23/24	
Surrogate: 1-Br-2-Nitrobenzene	0.47			0.46		102	70-130			12/23/24	

**EPA 515.4 - Quality Control**

Batch: AHL1635

Prepared: 12/27/2024

Prep Method: EPA 515.4

Analyst: RDH

**Blank (AHL1635-BLK1)**

2,4,5-T	ND	1.0	ug/L							12/30/24	
2,4,5-TP (Silvex)	ND	1.0	ug/L							12/30/24	
2,4-D	ND	10	ug/L							12/30/24	
Bentazon	ND	2.0	ug/L							12/30/24	
Dalapon	ND	10	ug/L							12/30/24	
Dicamba	ND	1.5	ug/L							12/30/24	
Dinoseb	ND	2.0	ug/L							12/30/24	
Pentachlorophenol	ND	0.20	ug/L							12/30/24	
Picloram	ND	1.0	ug/L							12/30/24	
Surrogate: DCPAA	41			36		115	70-130			12/30/24	

**Matrix Spike (AHL1635-MS1), Source: AHL3346-01**

2,4,5-T	1.8	1.0	ug/L	1.6	ND	110	70-130			12/30/24	
2,4,5-TP (Silvex)	0.88	1.0	ug/L	0.80	ND	111	70-130			12/30/24	
2,4-D	0.38	10	ug/L	0.40	ND	96	70-130			12/30/24	
Bentazon	2.0	2.0	ug/L	2.0	ND	102	70-130			12/30/24	
Dalapon	4.2	10	ug/L	4.0	ND	104	70-130			12/30/24	
Dicamba	0.86	1.5	ug/L	0.80	ND	108	70-130			12/30/24	
Dinoseb	0.85	2.0	ug/L	0.80	ND	107	70-130			12/30/24	
Pentachlorophenol	0.17	0.20	ug/L	0.16	ND	104	70-130			12/30/24	
Picloram	0.43	1.0	ug/L	0.40	ND	107	70-130			12/30/24	
Surrogate: DCPAA	38			36		105	70-130			12/30/24	

**Matrix Spike Dup (AHL1635-MSD1), Source: AHL3346-01**

2,4,5-T	1.7	1.0	ug/L	1.6	ND	106	70-130	4	30	12/30/24	
2,4,5-TP (Silvex)	0.85	1.0	ug/L	0.80	ND	106	70-130	4	30	12/30/24	
2,4-D	0.42	10	ug/L	0.40	ND	106	70-130	10	30	12/30/24	
Bentazon	2.1	2.0	ug/L	2.0	ND	104	70-130	2	30	12/30/24	
Dalapon	4.0	10	ug/L	4.0	ND	101	70-130	3	30	12/30/24	
Dicamba	0.83	1.5	ug/L	0.80	ND	103	70-130	4	30	12/30/24	
Dinoseb	0.82	2.0	ug/L	0.80	ND	103	70-130	3	30	12/30/24	
Pentachlorophenol	0.16	0.20	ug/L	0.16	ND	101	70-130	3	30	12/30/24	
Picloram	0.44	1.0	ug/L	0.40	ND	110	70-130	2	30	12/30/24	
Surrogate: DCPAA	37			36		103	70-130			12/30/24	

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

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

**Batch: AHL1338**  
**Prep Method: EPA 524.2**

Prepared: 12/20/2024  
Analyst: CAT

**Blank (AHL1338-BLK1)**

1,1,1-Trichloroethane	ND	0.50	ug/L							12/20/24	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L							12/20/24	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	2.0	ug/L							12/20/24	
1,1,2-Trichloroethane	ND	0.50	ug/L							12/20/24	
1,1-Dichloroethane	ND	0.50	ug/L							12/20/24	
1,1-Dichloroethene	ND	0.50	ug/L							12/20/24	
1,2,4-Trichlorobenzene	ND	0.50	ug/L							12/20/24	
1,2-Dichlorobenzene	ND	0.50	ug/L							12/20/24	
1,2-Dichloroethane	ND	0.50	ug/L							12/20/24	
1,2-Dichloropropane	ND	0.50	ug/L							12/20/24	
1,4-Dichlorobenzene	ND	0.50	ug/L							12/20/24	
Benzene	ND	0.50	ug/L							12/20/24	
Carbon Tetrachloride	ND	0.50	ug/L							12/20/24	
Chlorobenzene	ND	0.50	ug/L							12/20/24	
cis-1,2-Dichloroethene	ND	0.50	ug/L							12/20/24	
cis-1,3-Dichloropropene	ND	0.50	ug/L							12/20/24	
Dichloromethane	ND	0.50	ug/L							12/20/24	
Ethylbenzene	ND	0.50	ug/L							12/20/24	
m,p-Xylenes	ND	0.50	ug/L							12/20/24	
Methyl-t-butyl ether	ND	0.50	ug/L							12/20/24	
o-Xylene	ND	0.50	ug/L							12/20/24	
Styrene	ND	0.50	ug/L							12/20/24	
Tetrachloroethene (PCE)	ND	0.50	ug/L							12/20/24	
Toluene	ND	0.50	ug/L							12/20/24	
trans-1,2-Dichloroethene	ND	0.50	ug/L							12/20/24	
trans-1,3-Dichloropropene	ND	0.50	ug/L							12/20/24	
Trichloroethene (TCE)	ND	0.50	ug/L							12/20/24	
Trichlorofluoromethane	ND	5.0	ug/L							12/20/24	
Vinyl Chloride	ND	0.50	ug/L							12/20/24	
Total 1,3-Dichloropropene	ND	0.50	ug/L							12/20/24	
Total Xylenes	ND	0.50	ug/L							12/20/24	
Surrogate: 1,2-Dichlorobenzene-d4	50			50		100	70-130			12/20/24	
Surrogate: Bromofluorobenzene	49			50		97	70-130			12/20/24	

**Blank Spike (AHL1338-BS1)**

1,1,1-Trichloroethane	10	0.50	ug/L	10	ND	105	70-130			12/20/24	
1,1,2,2-Tetrachloroethane	10	0.50	ug/L	10	ND	100	70-130			12/20/24	
1,1,2-Trichloro-1,2,2-trifluoroethane	12	2.0	ug/L	10	ND	119	70-130			12/20/24	
1,1,2-Trichloroethane	10	0.50	ug/L	10	ND	101	70-130			12/20/24	
1,1-Dichloroethane	10	0.50	ug/L	10	ND	102	70-130			12/20/24	
1,1-Dichloroethene	10	0.50	ug/L	10	ND	105	70-130			12/20/24	
1,2,4-Trichlorobenzene	11	0.50	ug/L	10	ND	110	70-130			12/20/24	
1,2-Dichlorobenzene	11	0.50	ug/L	10	ND	108	70-130			12/20/24	
1,2-Dichloroethane	10	0.50	ug/L	10	ND	101	70-130			12/20/24	

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

**Batch: AHL1338**  
**Prep Method: EPA 524.2**

Prepared: 12/20/2024  
Analyst: CAT

**Blank Spike (AHL1338-BS1)**

1,2-Dichloropropane	10	0.50	ug/L	10	ND	101	70-130			12/20/24	
1,4-Dichlorobenzene	11	0.50	ug/L	10	ND	106	70-130			12/20/24	
Benzene	10	0.50	ug/L	10	ND	103	70-130			12/20/24	
Carbon Tetrachloride	11	0.50	ug/L	10	ND	105	70-130			12/20/24	
Chlorobenzene	10	0.50	ug/L	10	ND	103	70-130			12/20/24	
cis-1,2-Dichloroethene	10	0.50	ug/L	10	ND	103	70-130			12/20/24	
cis-1,3-Dichloropropene	10	0.50	ug/L	10	ND	100	70-130			12/20/24	
Dichloromethane	11	0.50	ug/L	10	ND	107	70-130			12/20/24	
Ethylbenzene	10	0.50	ug/L	10	ND	102	70-130			12/20/24	
m,p-Xylenes	20	0.50	ug/L	20	ND	102	70-130			12/20/24	
Methyl-t-butyl ether	20	0.50	ug/L	20	ND	98	70-130			12/20/24	
o-Xylene	10	0.50	ug/L	10	ND	100	70-130			12/20/24	
Styrene	9.9	0.50	ug/L	10	ND	99	70-130			12/20/24	
Tetrachloroethene (PCE)	11	0.50	ug/L	10	ND	108	70-130			12/20/24	
Toluene	10	0.50	ug/L	10	ND	104	70-130			12/20/24	
trans-1,2-Dichloroethene	10	0.50	ug/L	10	ND	103	70-130			12/20/24	
trans-1,3-Dichloropropene	9.9	0.50	ug/L	10	ND	99	70-130			12/20/24	
Trichloroethene (TCE)	11	0.50	ug/L	10	ND	106	70-130			12/20/24	
Trichlorofluoromethane	10	5.0	ug/L	10	ND	102	70-130			12/20/24	
Vinyl Chloride	8.8	0.50	ug/L	10	ND	88	70-130			12/20/24	
Surrogate: 1,2-Dichlorobenzene-d4	53			50		105	70-130			12/20/24	
Surrogate: Bromofluorobenzene	53			50		107	70-130			12/20/24	

**Blank Spike Dup (AHL1338-BSD1)**

1,1,1-Trichloroethane	9.8	0.50	ug/L	10	ND	98	70-130	7	30	12/20/24	
1,1,2,2-Tetrachloroethane	9.3	0.50	ug/L	10	ND	93	70-130	8	30	12/20/24	
1,1,2-Trichloro-1,2,2-trifluoroethane	11	2.0	ug/L	10	ND	109	70-130	8	30	12/20/24	
1,1,2-Trichloroethane	9.5	0.50	ug/L	10	ND	95	70-130	7	30	12/20/24	
1,1-Dichloroethane	9.5	0.50	ug/L	10	ND	95	70-130	7	30	12/20/24	
1,1-Dichloroethene	9.7	0.50	ug/L	10	ND	97	70-130	7	30	12/20/24	
1,2,4-Trichlorobenzene	11	0.50	ug/L	10	ND	106	70-130	3	30	12/20/24	
1,2-Dichlorobenzene	10	0.50	ug/L	10	ND	102	70-130	5	30	12/20/24	
1,2-Dichloroethane	9.4	0.50	ug/L	10	ND	94	70-130	7	30	12/20/24	
1,2-Dichloropropane	9.3	0.50	ug/L	10	ND	93	70-130	7	30	12/20/24	
1,4-Dichlorobenzene	10	0.50	ug/L	10	ND	101	70-130	5	30	12/20/24	
Benzene	9.6	0.50	ug/L	10	ND	96	70-130	7	30	12/20/24	
Carbon Tetrachloride	9.8	0.50	ug/L	10	ND	98	70-130	7	30	12/20/24	
Chlorobenzene	9.6	0.50	ug/L	10	ND	96	70-130	7	30	12/20/24	
cis-1,2-Dichloroethene	9.6	0.50	ug/L	10	ND	96	70-130	7	30	12/20/24	
cis-1,3-Dichloropropene	9.4	0.50	ug/L	10	ND	94	70-130	6	30	12/20/24	
Dichloromethane	10	0.50	ug/L	10	ND	100	70-130	7	30	12/20/24	
Ethylbenzene	9.5	0.50	ug/L	10	ND	95	70-130	8	30	12/20/24	
m,p-Xylenes	19	0.50	ug/L	20	ND	94	70-130	8	30	12/20/24	
Methyl-t-butyl ether	19	0.50	ug/L	20	ND	93	70-130	6	30	12/20/24	

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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 524.2 - Quality Control**

Batch: AHL1338

Prepared: 12/20/2024

Prep Method: EPA 524.2

Analyst: CAT

**Blank Spike Dup (AHL1338-BSD1)**

o-Xylene	9.3	0.50	ug/L	10	ND	93	70-130	7	30	12/20/24	
Styrene	9.3	0.50	ug/L	10	ND	93	70-130	7	30	12/20/24	
Tetrachloroethene (PCE)	9.9	0.50	ug/L	10	ND	99	70-130	8	30	12/20/24	
Toluene	9.6	0.50	ug/L	10	ND	96	70-130	8	30	12/20/24	
trans-1,2-Dichloroethene	9.5	0.50	ug/L	10	ND	95	70-130	8	30	12/20/24	
trans-1,3-Dichloropropene	9.2	0.50	ug/L	10	ND	92	70-130	7	30	12/20/24	
Trichloroethene (TCE)	9.8	0.50	ug/L	10	ND	98	70-130	8	30	12/20/24	
Trichlorofluoromethane	10	5.0	ug/L	10	ND	102	70-130	0	30	12/20/24	
Vinyl Chloride	8.9	0.50	ug/L	10	ND	89	70-130	1	30	12/20/24	
Surrogate: 1,2-Dichlorobenzene-d4	53			50		105	70-130			12/20/24	
Surrogate: Bromofluorobenzene	53			50		106	70-130			12/20/24	

**EPA 525.3 - Quality Control**

Batch: AHL1679

Prepared: 12/28/2024

Prep Method: EPA 525.3

Analyst: RDH

**Blank (AHL1679-BLK1)**

Alachlor	ND	1.0	ug/L							12/31/24	
Atrazine	ND	0.50	ug/L							12/31/24	
Benzo(a)pyrene	ND	0.10	ug/L							12/31/24	
Bis(2-ethylhexyl) adipate	ND	5.0	ug/L							12/31/24	
Bis(2-ethylhexyl) phthalate	ND	3.0	ug/L							12/31/24	
Bromacil	ND	10	ug/L							12/31/24	
Butachlor	ND	0.38	ug/L							12/31/24	
Diazinon	ND	0.25	ug/L							12/31/24	
Dimethoate	ND	10	ug/L							12/31/24	
Metolachlor	ND	0.50	ug/L							12/31/24	
Metribuzin	ND	0.50	ug/L							12/31/24	
Molinate	ND	2.0	ug/L							12/31/24	
Propachlor	ND	0.50	ug/L							12/31/24	
Simazine	ND	1.0	ug/L							12/31/24	
Thiobencarb	ND	1.0	ug/L							12/31/24	
Surrogate: 1,3-Dimethyl-2-nitrobenzene	0.92			1.0		92	70-130			12/31/24	
Surrogate: Benzo(a)pyrene-d12	0.86			1.0		86	70-130			12/31/24	
Surrogate: Triphenyl Phosphate	0.83			1.0		83	70-130			12/31/24	

**Blank Spike (AHL1679-BS1)**

Alachlor	0.75	1.0	ug/L	0.80	ND	94	70-130			12/31/24	
Atrazine	0.36	0.50	ug/L	0.40	ND	91	70-130			12/31/24	
Benzo(a)pyrene	0.074	0.10	ug/L	0.080	ND	93	70-130			12/31/24	
Bis(2-ethylhexyl) adipate	1.5	5.0	ug/L	1.6	ND	92	70-130			12/31/24	
Bis(2-ethylhexyl) phthalate	2.2	3.0	ug/L	2.4	ND	93	70-130			12/31/24	
Bromacil	0.41	10	ug/L	0.40	ND	104	70-130			12/31/24	
Butachlor	0.39	0.38	ug/L	0.40	ND	97	70-130			12/31/24	

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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: AHL1679

Prepared: 12/28/2024

Prep Method: EPA 525.3

Analyst: RDH

**Blank Spike (AHL1679-BS1)**

Diazinon	0.072	0.25	ug/L	0.080	ND	90	70-130			12/31/24	
Dimethoate	2.8	10	ug/L	3.2	ND	87	70-130			12/31/24	
Metolachlor	0.37	0.50	ug/L	0.40	ND	92	70-130			12/31/24	
Metribuzin	0.37	0.50	ug/L	0.40	ND	93	70-130			12/31/24	
Molinate	0.37	2.0	ug/L	0.40	ND	93	70-130			12/31/24	
Propachlor	0.37	0.50	ug/L	0.40	ND	93	70-130			12/31/24	
Simazine	0.25	1.0	ug/L	0.28	ND	88	70-130			12/31/24	
Thiobencarb	0.37	1.0	ug/L	0.40	ND	92	70-130			12/31/24	
Surrogate: 1,3-Dimethyl-2-nitrobenzene	0.90			1.0		90	70-130			12/31/24	
Surrogate: Benzo(a)pyrene-d12	0.87			1.0		87	70-130			12/31/24	
Surrogate: Triphenyl Phosphate	0.96			1.0		96	70-130			12/31/24	

**Duplicate (AHL1679-DUP1), Source: AHL2909-01**

Alachlor	ND	1.0	ug/L		ND			30		12/31/24	
Atrazine	ND	0.50	ug/L		ND			30		12/31/24	
Benzo(a)pyrene	ND	0.10	ug/L		ND			30		12/31/24	
Bis(2-ethylhexyl) adipate	ND	5.0	ug/L		ND			30		12/31/24	
Bis(2-ethylhexyl) phthalate	ND	3.0	ug/L		ND			30		12/31/24	
Bromacil	ND	10	ug/L		ND			30		12/31/24	
Butachlor	ND	0.38	ug/L		ND			30		12/31/24	
Diazinon	ND	0.25	ug/L		ND			30		12/31/24	
Dimethoate	ND	10	ug/L		ND			30		12/31/24	
Metolachlor	ND	0.50	ug/L		ND			30		12/31/24	
Metribuzin	ND	0.50	ug/L		ND			30		12/31/24	
Molinate	ND	2.0	ug/L		ND			30		12/31/24	
Propachlor	ND	0.50	ug/L		ND			30		12/31/24	
Simazine	ND	1.0	ug/L		ND			30		12/31/24	
Thiobencarb	ND	1.0	ug/L		ND			30		12/31/24	
Surrogate: 1,3-Dimethyl-2-nitrobenzene	0.93			1.0		93	70-130			12/31/24	
Surrogate: Benzo(a)pyrene-d12	1.0			1.0		103	70-130			12/31/24	
Surrogate: Triphenyl Phosphate	1.2			1.0		123	70-130			12/31/24	

**Matrix Spike (AHL1679-MS1), Source: AHL2805-01**

Alachlor	1.6	1.0	ug/L	1.5	ND	101	70-130			12/31/24	
Atrazine	0.76	0.50	ug/L	0.77	ND	100	70-130			12/31/24	
Benzo(a)pyrene	0.16	0.10	ug/L	0.15	ND	106	70-130			12/31/24	
Bis(2-ethylhexyl) adipate	3.3	5.0	ug/L	3.1	ND	109	70-130			12/31/24	
Bis(2-ethylhexyl) phthalate	5.2	3.0	ug/L	4.6	ND	113	70-130			12/31/24	
Bromacil	0.87	10	ug/L	0.77	ND	113	70-130			12/31/24	
Butachlor	0.81	0.38	ug/L	0.77	ND	105	70-130			12/31/24	
Diazinon	0.15	0.25	ug/L	0.15	ND	98	70-130			12/31/24	
Dimethoate	6.0	10	ug/L	6.1	ND	98	70-130			12/31/24	
Metolachlor	0.77	0.50	ug/L	0.77	ND	100	70-130			12/31/24	
Metribuzin	0.77	0.50	ug/L	0.77	ND	100	70-130			12/31/24	

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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: AHL1679

Prepared: 12/28/2024

Prep Method: EPA 525.3

Analyst: RDH

**Matrix Spike (AHL1679-MS1), Source: AHL2805-01**

Molinate	0.76	2.0	ug/L	0.77	ND	100	70-130			12/31/24	
Propachlor	0.75	0.50	ug/L	0.77	ND	98	70-130			12/31/24	
Simazine	0.56	1.0	ug/L	0.54	ND	99	70-130			12/31/24	
Thiobencarb	0.77	1.0	ug/L	0.77	ND	100	70-130			12/31/24	
Surrogate: 1,3-Dimethyl-2-nitrobenzene	0.85			0.96		89	70-130			12/31/24	
Surrogate: Benzo(a)pyrene-d12	0.86			0.96		89	70-130			12/31/24	
Surrogate: Triphenyl Phosphate	0.96			0.96		100	70-130			12/31/24	

**EPA 531.1 - Quality Control**

Batch: AHL1726

Prepared: 12/30/2024

Prep Method: EPA 531.1

Analyst: KMA

**Blank (AHL1726-BLK1)**

3-Hydroxycarbofuran	ND	3.0	ug/L							12/30/24	
Aldicarb	ND	3.0	ug/L							12/30/24	
Aldicarb Sulfone	ND	2.0	ug/L							12/30/24	
Aldicarb Sulfoxide	ND	3.0	ug/L							12/30/24	
Carbaryl	ND	5.0	ug/L							12/30/24	
Carbofuran	ND	5.0	ug/L							12/30/24	
Methomyl	ND	2.0	ug/L							12/30/24	
Oxamyl	ND	20	ug/L							12/30/24	

**Blank Spike (AHL1726-BS1)**

3-Hydroxycarbofuran	3.9	3.0	ug/L	4.0	ND	98	80-120			12/30/24	
Aldicarb	1.7	3.0	ug/L	2.0	ND	86	80-120			12/30/24	
Aldicarb Sulfone	3.1	2.0	ug/L	3.2	ND	98	80-120			12/30/24	
Aldicarb Sulfoxide	2.1	3.0	ug/L	2.0	ND	107	80-120			12/30/24	
Carbaryl	3.9	5.0	ug/L	4.0	ND	98	80-120			12/30/24	
Carbofuran	3.5	5.0	ug/L	3.6	ND	98	80-120			12/30/24	
Methomyl	3.8	2.0	ug/L	4.0	ND	95	80-120			12/30/24	
Oxamyl	3.9	20	ug/L	4.0	ND	98	80-120			12/30/24	

**Blank Spike Dup (AHL1726-BSD1)**

3-Hydroxycarbofuran	3.9	3.0	ug/L	4.0	ND	97	80-120	1	20	12/30/24	
Aldicarb	1.9	3.0	ug/L	2.0	ND	93	80-120	7	20	12/30/24	
Aldicarb Sulfone	3.1	2.0	ug/L	3.2	ND	98	80-120	0	20	12/30/24	
Aldicarb Sulfoxide	2.0	3.0	ug/L	2.0	ND	98	80-120	9	20	12/30/24	
Carbaryl	3.8	5.0	ug/L	4.0	ND	95	80-120	3	20	12/30/24	
Carbofuran	3.4	5.0	ug/L	3.6	ND	96	80-120	2	20	12/30/24	
Methomyl	3.9	2.0	ug/L	4.0	ND	97	80-120	1	20	12/30/24	
Oxamyl	3.9	20	ug/L	4.0	ND	98	80-120	0	20	12/30/24	

**Matrix Spike (AHL1726-MS1), Source: SHL0407-01**

3-Hydroxycarbofuran	3.9	3.0	ug/L	4.0	ND	97	65-135			12/31/24	
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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.

SHL0410 FINAL 01082025 1601



**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: AHL1726

Prepared: 12/30/2024

Prep Method: EPA 531.1

Analyst: KMA

**Matrix Spike (AHL1726-MS1), Source: SHL0407-01**

Aldicarb	1.8	3.0	ug/L	2.0	ND	91	65-135			12/31/24	
Aldicarb Sulfone	3.1	2.0	ug/L	3.2	ND	97	65-135			12/31/24	
Aldicarb Sulfoxide	1.9	3.0	ug/L	2.0	ND	96	65-135			12/31/24	
Carbaryl	4.0	5.0	ug/L	4.0	ND	99	65-135			12/31/24	
Carbofuran	3.5	5.0	ug/L	3.6	ND	97	65-135			12/31/24	
Methomyl	3.9	2.0	ug/L	4.0	ND	98	65-135			12/31/24	
Oxamyl	3.9	20	ug/L	4.0	ND	97	65-135			12/31/24	

**EPA 547 - Quality Control**

Batch: AHL1623

Prepared: 12/26/2024

Prep Method: EPA 547

Analyst: JNG

**Blank (AHL1623-BLK1)**

Glyphosate	ND	25	ug/L							12/26/24	
Surrogate: AMPA	220			200		108	70-130			12/26/24	

**Blank Spike (AHL1623-BS1)**

Glyphosate	99	25	ug/L	100	ND	99	70-130			12/26/24	
Surrogate: AMPA	210			200		103	70-130			12/26/24	

**Blank Spike Dup (AHL1623-BSD1)**

Glyphosate	100	25	ug/L	100	ND	102	70-130	3	30	12/26/24	
Surrogate: AMPA	210			200		107	70-130			12/26/24	

**Matrix Spike (AHL1623-MS1), Source: SHL0407-01**

Glyphosate	100	25	ug/L	100	ND	103	70-130			12/26/24	
Surrogate: AMPA	200			200		100	70-130			12/26/24	

**Matrix Spike Dup (AHL1623-MSD1), Source: SHL0407-01**

Glyphosate	100	25	ug/L	100	ND	103	70-130	0	30	12/26/24	
Surrogate: AMPA	200			200		99	70-130			12/26/24	

**EPA 548.1 - Quality Control**

Batch: AHL1581

Prepared: 12/24/2024

Prep Method: EPA 548.1

Analyst: RDH

**Blank (AHL1581-BLK1)**

Endothall	ND	45	ug/L							12/30/24	
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**Blank Spike (AHL1581-BS1)**

Endothall	4.6	45	ug/L	5.0	ND	93	19-121			12/30/24	
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**Blank Spike Dup (AHL1581-BSD1)**

Endothall	4.9	45	ug/L	5.0	ND	97	19-121	5	30	12/30/24	
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SHL0410 FINAL 01082025 1601



**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: AHL1581**

Prepared: 12/24/2024

**Prep Method: EPA 548.1**

Analyst: RDH

**Matrix Spike (AHL1581-MS1), Source: AHL3576-01**

Endothall	4.7	45	ug/L	5.0	ND	93	10-113			12/30/24	
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**Matrix Spike (AHL1581-MS2), Source: SHL0440-01**

Endothall	0.82	45	ug/L	5.0	ND	16	10-113			12/30/24	
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**EPA 549.2 - Quality Control**

**Batch: AHL1504**

Prepared: 12/23/2024

**Prep Method: EPA 549.2**

Analyst: YNV

**Blank (AHL1504-BLK1)**

Diquat	ND	4.0	ug/L							01/06/25	
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**Blank Spike (AHL1504-BS1)**

Diquat	0.86	4.0	ug/L	1.0	ND	86	70-130			01/06/25	
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**Blank Spike Dup (AHL1504-BSD1)**

Diquat	0.81	4.0	ug/L	1.0	ND	81	70-130	6	30	01/06/25	
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**Matrix Spike (AHL1504-MS1), Source: SHL0428-01**

Diquat	0.91	4.0	ug/L	1.0	ND	91	70-130			01/06/25	
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**Matrix Spike Dup (AHL1504-MSD1), Source: SHL0428-01**

Diquat	0.91	4.0	ug/L	1.0	ND	91	70-130	0	30	01/06/25	
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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.
- (2) - Formerly known as Bis(2-Chloroisopropyl) ether.  
Unless otherwise noted, TOC results by SM 5310C method do not include purgeable organic carbon, which is removed along with the inorganic carbon interference. The POC contribution to TOC is considered to be negligible.

## Certificate of Analysis

### Definitions

mg/L:	Milligrams/Liter (ppm)	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.**

**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	4021-023
State of Nevada	NV-C24-00233	State of Oregon - NELAP	4021-023
EPA UCMR5	CA00079	State of Washington	C997-24b

**Sacramento**

State of California - ELAP 1180-S1

**San Bernardino**

State of California - ELAP	1180-S2	Los Angeles CSD	9254478
NELAP certified	4119-009	State of Oregon - NELAP	4119-009

**Vancouver**

NELAP certified	WA100008-019	State of Oregon - NELAP	WA100008-019
State of Washington	C824-24		



Wet ice (walkin)  
5.2°C / 55

<b>Client:</b> 49er Water Lab	<b>Subcontracted to:</b> BSK
<b>Report To:</b> Le Tran 245 New York Ranch Rd, Suite A Jackson, CA 95642 (209) 418-3175 <a href="mailto:atranle@49erwaterlab.com">atranle@49erwaterlab.com</a>	9332 Tech Center Drive Ste 100, Sacramento, CA 95826
<b>Invoice To:</b> Le Tran	<b>Date of Order:</b> 12/19/2024
<b>Please Use Project/Sample ID in Report.</b>	

## Subcontract COC

**Project:** 24469 - Drinking Water  
**Location:** WTP  
**Point of Collection:** Treated Plant Effluent (PWS CA3110034\_001\_001)  
**Sample Date/Time:** 12/19/2024 08:34  
**Received Date/Time:** 12/19/2024 11:05  
**Sample No:** 64910

CLIP UPLOAD

<u>Requested Analyte</u>	<u>TAT</u>	<u>Matrix</u>	<u>Comments</u>
Beryllium, Total Recoverable	Standard	Drinking Water	
Aluminum, Total Recoverable	Standard	Drinking Water	
Nickel, Total Recoverable	Standard	Drinking Water	
Antimony, Total Recoverable	Standard	Drinking Water	
Thalium, Total Recoverable	Standard	Drinking Water	
Cyanide	Standard	Drinking Water	
Synthetic Organic Compound (SOC)	Standard	Drinking Water	Title 22 SOCs - NO 123-TCP
Volatile Organic Compounds (VOCs)	Standard	Drinking Water	Title 22 VOCs

Relinquished by: ~~Shane Burr~~ Shane Burr Date/Time: 12/19/24 1300  
 Received by: Maylene T. Doyano & Date/Time: 12/19/24 1300  
 Relinquished by: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Received by: \_\_\_\_\_ Date/Time: \_\_\_\_\_

- CLIP Requested (see PWS above)
- Report to County (Environmental Health) \_\_\_\_\_

For questions or information, call Le Tran at 916-281-9730 or Shane Burr at 530-277-2770.



# Sample Integrity

BSK Bottles: Yes No Page 1 of 1

COC Info	Was temperature within range? Chemistry $\leq 6^{\circ}\text{C}$ Micro $< 8^{\circ}\text{C}$			Were correct containers and preservatives received for the tests requested?			
		<u>Yes</u>	No	NA	<u>Yes</u>	No	NA
COC Info	If samples were taken today, is there evidence that chilling has begun?			Bubbles Present VOAs (524.2/TTHM/TCP)?			
	<u>Yes</u>	No	NA	Yes	<u>No</u>	NA	
COC Info	Did all bottles arrive unbroken and intact?			Was a sufficient amount of sample received?			
	<u>Yes</u>	No	NA	<u>Yes</u>	No	NA	
COC Info	Did all bottle labels agree with COC?			Do samples have a hold time <72 hours?			
	<u>Yes</u>	No	NA	Yes	<u>No</u>	NA	
COC Info	Was sodium thiosulfate added to CN sample(s) until chlorine was no longer present?			Was PM notified of discrepancies?			
	Yes	<u>NA</u>	NA	Yes	No	<u>NA</u>	
				PM:	dt:	email scan copy	
Bottles Received <small>means preservation/chlorine checks are either N/A or are performed in the lab</small>	250ml(A) 500ml(B) 1Liter(C) 40mlVOA(V) 125ml(D)	Checks*	Passed?				
	<b>Bacti Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub></b>	---	---				
	None (P) White Label	---	---				
	<b>Cr6 (P) Lt. Green Label/Blue Cap NH<sub>4</sub>OH(NH<sub>4</sub>)<sub>2</sub>SO<sub>4</sub> DW</b>	Cl, pH > 8	P	F			
	Cr6 (P) Pink Label/Blue Cap NH <sub>4</sub> OH(NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> WW	pH 9.3-9.7	P	F			
	<b>Cr6 (P) Black Label/Blue Cap NH<sub>4</sub>OH(NH<sub>4</sub>)<sub>2</sub>SO<sub>4</sub> 7199</b> <b>***24 HOUR HOLD TIME***</b>	pH 9.0-9.5	P	F			
	HNO <sub>3</sub> (P) Red Label or HCl (P) Purple Cap/Lt. Blue Label	---	---				1A(Z)
	<b>H<sub>2</sub>SO<sub>4</sub> (P) or (AG) Yellow Label</b>	pH < 2	P	F			
	NaOH (P) Green Cap/Label	Cl, pH > 10	P	F			1B(Z)
	<b>NaOH + ZnAc (P)</b>	pH > 9	P	F			
	Dissolved Oxygen 300ml (g)	---	---				
	<b>None (AG) 608/8081/8082, 625, 632/8321, 8151, 8270</b>	---	---				2C
	HCl (AG) Lt. Blue Label O&G, Diesel, TCP	---	---				3V
	<b>Ascorbic, EDTA, KH<sub>2</sub>Ct (AG) Pink Label 525</b>	---	---				2C
	Na <sub>2</sub> SO <sub>3</sub> 250mL (AG) Neon Green Label 515	---	---				1A
	<b>Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> 1 Liter (Brown P) 549</b>	---	---				1C
	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (AG) Blue Label 548, THM, 524	---	---				1A
	<b>Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> (CG) Blue Label 504, 505, 547</b>	---	---				7V
	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> + MCAA (CG) Orange Label 531	pH < 3	P	F			1V
	<b>NH<sub>4</sub>Cl (AG) Purple Label 552</b>	---	---				
	EDA (P) or (AG) Brown Label DBPs	---	---				
	<b>HCL (CG) 524.2, BTEX, Gas, MTBE, 8260/624</b>	---	---				3V
	Buffer pH 4 (CG)	---	---				
	<b>H<sub>3</sub>PO<sub>4</sub> (CG) Salmon Label</b>	---	---				
	Trizma - EPA 537.1 Light Blue Label FB	---	---				
<b>Ammonia Acetate - EPA 533 Purple Label FB</b>	---	---					
Bottled Water	---	---					
<b>Clear Glass: Jar / VOA</b>	---	---					
OTHER:	---	---					
OTHER:	---	---					
Split	Container	Preservative	Lot #	Initials	Date/Time	Preservation Check	
	S P					pH Lot # Cl Lot #	
Comments	*Preservation check completed by lab performing analysis.			<input checked="" type="checkbox"/> Indicates Blanks Received 504 ___ 524.2 ___ TTHM ___ 537/533 ___ TCP ___ <input checked="" type="checkbox"/> MS/MSD Received Method: _____			
	Labeled by: _____			Checked by: _____			

Scanned: \_\_\_\_\_ Rush/Short HT Page: \_\_\_\_\_ Time: \_\_\_\_\_



SAMPLE TRANSIT ORDER

SHL0410

Alejandra Gomez



EW

Receipt temp @ FAL: 3.9°C Thermometer/ IR Gun ID: 69

SENDING LABORATORY:

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

Project Manager: Alejandra Gomez
E-mail: agomez@bskassociates.com

RECEIVING LABORATORY:

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

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

Client: 49er Water Services

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

SHL0410-01 Treated Plant Effluent

Client Matrix Drinking Water 12/19/2024 13:00

Lab Matrix: Water

Analysis:

- Aluminum, CA DW ICP
Antimony, CA DW ICPMS
Beryllium, CA DW ICPMS
Cyanide, Total
EPA 504.1 - (EDB/DBCP)
EPA 505 - Organohalide Pesticide & PCBs
EPA 515.4 - Chlorinated Acids
EPA 524.2 - Regulated Compounds - Subtest
EPA 525.3 - Full list
EPA 531.1
EPA 547
EPA 548.1
EPA 549.2
Nickel, CA DW ICPMS
Thallium, CA DW ICPMS



Containers Included

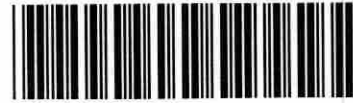
SHL0410-01	A \	Z- 250mL P / HNO3
SHL0410-01	B \	Z- 500mL P / NaOH
SHL0410-01	E \	40mL AG VOA / HCL
SHL0410-01	F \	40mL AG VOA / HCL
SHL0410-01	G \	40mL AG VOA / HCL
SHL0410-01	H \	1L AG / Ascorbic,EDTA,KH2Ct
SHL0410-01	I \	1L AG / Ascorbic,EDTA,KH2Ct
SHL0410-01	J \	250mL AG / Na2S2O3
SHL0410-01	K \	1L AP / Na2S2O3
SHL0410-01	L \	250mL AG / Na2SO3
SHL0410-01	M \	40mL VOA / Na2S2O3
SHL0410-01	N \	40mL VOA / Na2S2O3
SHL0410-01	O \	40mL VOA / Na2S2O3
SHL0410-01	P \	40mL VOA / Na2S2O3
SHL0410-01	Q \	40mL VOA / Na2S2O3
SHL0410-01	R \	40mL VOA / Na2S2O3
SHL0410-01	S \	40mL VOA / Na2S2O3
SHL0410-01	T \	40mL VOA / MCAA + Na2S2O3
SHL0410-01	U \	40mL VOA / HCL
SHL0410-01	V \	40mL VOA / HCL
SHL0410-01	W \	40mL VOA / HCL

Released By *[Signature]* Date 12/20/24 Received By \_\_\_\_\_ Date \_\_\_\_\_

Released By \_\_\_\_\_ Date \_\_\_\_\_ Received By *Evan Hunter* Date 12/20/24

**SAMPLE TRANSIT INTEGRITY**

SHL0410  
12/19/2024  
49erw2770  
10



PM: Alejandra Gomez

BSK Bottles: Yes ~~No~~ Page 1 of 1

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

<b>Bottles Received</b>	250ml(A) 500ml(B) 1Liter(C) 40ml VOA(V)	Checks	Passed?						
	Bacti Na2S2O3	---	---						
	None (P) White Cap	---	---						
	Cr6 (P) Lt. Green Label/Blue Cap NH4OH(NH4)SO4 DW	Cl, pH > 8	P	F					
	Cr6 (P) Pink Label/Blue Cap NH4OH(NH4)SO4 WW	pH 9.3 - 9.7	P	F					
	Cr6 (P) Black Label/Blue Cap NH4OH(NH4)SO4 7199 ***24 HOUR HOLD TIME***	pH 9.0 - 9.5	P	F					
	<del>MNO3</del> (P) Red Cap or HCl (P) Purple Cap/Lt. Blue Label	---	---		LA*				
	H2SO4 (P) or (AG) Yellow Cap/Label	pH < 2	P	F					
	NaOH (P) Green Cap	Cl, pH > 10	P	F	LB*				
	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, Dicsel, TCP	---	---		3V				
	Ascorbic, EDTA, KH2Ct (AG) Pink Label 525	---	---		2C				
	Na2SO3 250ml (AG) Neon Green Label 515	---	---		1A				
	Na2S2O3 1 Liter (Brown P) 549	---	---		1C				
	Na2S2O3 (AG) Blue Label 548, THM, 524	---	---		1A				
	Na2S2O3 (CG) Blue Label 504, 505, 547	---	---		7V				
	Na2S2O3 + MCAA (CG) Orange Label 531	pH < 3	P	F	IV				
	NH4Cl (AG) Purple Label 552	---	---						
	EDA (AG) Brown Label DBPs	---	---						
	HCL (CG) 524.2, BTEX, Gas, MTBE, 8260/624	---	---		3V				
	Buffer pH 4 (CG)	---	---						
	H3PO4 (CG) Salmon Label	---	---						
250mL P / Trizma 531.1	---	---							
Other:									
Asbestos 1L (P) w/Foil / LL Metals Bottle	---	---							
Bottled Water	---	---							
Clear Glass 250ml / 500ml / 1 Liter	---	---							
Solids: Brass / Steel / Plastic Bag	---	---							

<b>Split</b>	Container	Preservative	Date/Time/Initials	Container	Preservative	Date/Time/Initials
	S P			S P		
	S P			S P		

<b>Comments</b>	✓ Indicates Blanks Received		
	504	524.2	TCP
	TTHM	537	8260/624

Preservation Check: pH Lot# AA 09999 CI Lot# AA 11378  
 Labels Checked by: AK @ 1432 Scanned by: JC @ 0758 RUSH Paged by: @



**CERES Analytical Laboratory, Inc.**

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



December 27, 2024

Ceres ID: 18918

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

The following report contains the results for the one drinking water sample received on December 20, 2024. This sample was analyzed for 2,3,7,8-TCDD by EPA method 1613. Routine turn-around time was provided for this work.

This work was authorized under your Subcontract Order # SHL0410.

**Continuing Calibration Verification (CCV) Requirements**

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

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

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

Sincerely,

James M. Hedin  
Director of Operations/CEO  
[jhedin@ceres-lab.com](mailto:jhedin@ceres-lab.com)

## Section I: Sample Inventory

<u>Ceres Sample ID:</u>	<u>Sample ID</u>	<u>Date Received</u>	<u>Collection Date &amp; Time</u>
18918-001	Treated Plant Effluent	12/20/2024	12/19/2024 8:34

## Section II: Data Summary



### EPA Method 1613

<b>Quality Assurance Sample Method Blank</b>  <b>Project ID: SHL0410</b>	<b>Ceres Sample ID:</b> 0-3389-MB <b>QC Batch #:</b> 3389 <b>Matrix:</b> Drinking Water <b>Sample Size:</b> 1.000 L	<b>Date Received:</b> NA <b>Date Extracted:</b> 12/26/2024 <b>Date Analyzed:</b> 12/26/2024
--	--	---

Analyte	Conc. (pg/L)	MDL	RL	Qual.	Labeled Standards	% R	LCL-UCL (a)	Qualifiers
2,3,7,8-TCDD	ND< 4.56	4.02	5.00		13C-2378-TCDD	86.0	31-137	
					<b>CRS</b>			
					37Cl4-2378-TCDD	83.7	42-164	
EMPC - Estimated Maximum Possible Concentration due to ion abundance ratio failure. (a) - Lower control limit - Upper control limit								

Analyst: JMH

Reviewed by: BS



### EPA Method 1613

<b>Quality Assurance Sample</b> <b>Ongoing Precision and Recovery</b>  <b>Project ID: SHL0410</b>	<b>Ceres Sample ID:</b> 0-3389-OPR <b>QC Batch #:</b> 3389 <b>Matrix:</b> Drinking Water <b>Sample Size:</b> 1.000 L	<b>Date Received:</b> NA <b>Date Extracted:</b> 12/26/2024 <b>Date Analyzed:</b> 12/26/2024
--	---	---

Analyte	Conc. (ng/mL)	Limits (a)	Labeled Standards	% Rec.	Limits (a)
2,3,7,8-TCDD	9.66	7.3-14.6	13C-2378-TCDD	78.7	25-141
			<b>CRS</b>		
			37Cl4-2378-TCDD	81.8	37-158
(a) Limits based on method acceptance criteria.					

**Analyst: JMH**

**Reviewed by: BS**



### EPA Method 1613

<b>Client Sample ID:</b> Treated Plant Effluent		
<b>Project ID:</b> SHL0410	<b>Ceres Sample ID:</b> 18918-001	<b>Date Received:</b> 12/20/2024
<b>Date Collected:</b> 12/19/2024	<b>QC Batch #:</b> 3389	<b>Date Extracted:</b> 12/26/2024
<b>Time Collected:</b> 8:34	<b>Matrix:</b> Drinking Water	<b>Date Analyzed:</b> 12/26/2024
	<b>Sample Size:</b> 1.019 L	

Analyte	Conc. (pg/L)	MDL	RL	Qual.	Labeled Standards	% R	LCL-UCL (a)	Qualifiers
2,3,7,8-TCDD	ND < 3.86	4.10	4.91		13C-2378-TCDD	72.3	31-137	
					<b>CRS</b>			
					37Cl4-2378-TCDD	86.4	42-164	
EMPC - Estimated Maximum Possible Concentration due to ion abundance ratio failure.								
(a) - Lower control limit - Upper control limit								

**Analyst:** JMH

**Reviewed by:** BS



## Section VI: Sample Tracking



SUBCONTRACT ORDER

SHL0410

SENDING LABORATORY:

BSK Associates Sacramento  
9332 Tech Center Dr, Suite 100  
Sacramento, CA 95826  
Phone: 916-853-9293  
Fax: 916.853.9297  
Project Manager: Alejandra Gomez  
E-mail: BSKSubcontract@bskassociates.com

RECEIVING LABORATORY:

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

SEND INVOICE TO:

BSKSubcontract@bskassociates.com

Sample ID	Samp Desc	Sample Date
-----------	-----------	-------------

SHL0410-01	Treated Plant Effluent	Client Matrix Drinking Water Sampled By: Client	12/19/2024 08:34
------------	------------------------	--	------------------

Sample Alias: 64910  
Lab Matrix: Water System Number: CA3110034\_001\_001

Analysis:  
EXT-Dioxin-DW matrix, EPA 1613 2,3,7,8-TCDD

Containers Included  
SHL0410-01 C 1L AG / None  
SHL0410-01 D 1L AG / None

State Forms: Yes System Name: \_\_\_\_\_

	12/20/24		12/20/24 1405
Released By	Date	Received By	Date

Released By	Date	Received By	Date
-------------	------	-------------	------

Sample Receipt Check List    Logged by: J (initials)

Ceres ID: <u>18918</u>	Date/Time: <u>12/20/24 1405</u>
Client Project ID: <u>SHL0410</u>	Received Temp: <u>3.4</u> °C Acceptable: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N
Chain of Custody Relinquished by signed?	<input checked="" type="checkbox"/> Y / <input type="checkbox"/> N
Chain of Custody Received by signed?	<input checked="" type="checkbox"/> Y / <input type="checkbox"/> N
Custody Seals? Present?	Y / <input type="checkbox"/> N
Intact?	Y / <input type="checkbox"/> N
NA:	<input checked="" type="checkbox"/> NA
Unlabeled / Illegible Samples	Y / <input checked="" type="checkbox"/> N
Proper Containers:	<input checked="" type="checkbox"/> Y / <input type="checkbox"/> N
Preservation Acceptable (Chemical or <u>Temperature</u> )?	<input checked="" type="checkbox"/> Y / <input type="checkbox"/> N
Drinking Water, Sodium Thiosulfate present? Residual Cl?	Y / <input checked="" type="checkbox"/> N / NA Y / <input checked="" type="checkbox"/> N / NA
Aqueous sample pH: <u>7</u>	NA
List COC discrepancies: <u>J 12/20/24</u>	
List Damaged Samples: <u>J 12/20/24</u>	

## Section VII: Qualifiers/Abbreviations

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



245 New York Ranch Rd, Suite A, Jackson, CA 95642 (209) 418-3175  
 email: atranle@49erwaterlab.com / www.49erwaterlab.com

**QC Data**

Batch #: 9361 Prepared - 12/20/2024 Analyzed - 12/23/2024

Total Dissolved Solids SM 2540C-1997/2011

Analyte	Results	Units	Spike Level	Source		% REC			RPD		Source/Notes
				Results	RL	MDL	% REC	Limits	RPD	Limits	
TDS - Blank	0.0	mg/L			2.0	2.0					
TDS - BS1	228.4	mg/L	228.5		2.0	2.0	99.956	90-110	0	20	
TDS - BS2		mg/L			2.0	2.0	#####	90-110	###	20	
TDS - BS3		mg/L			2.0	2.0	#####	90-110	###	20	
TDS - Dup1	1441	mg/L		1430	2.0	2.0	100.77	80-120	0.8	20	64850
TDS - Dup2		mg/L			2.0	2.0	#####	80-120	###	20	
TDS - Dup3		mg/L			2.0	2.0	#####	80-120	###	20	
TDS - BS CCV	205.0	mg/L	208.4		2.0	2.0	98.369	90-110	1.6	20	

B - Blank value out of acceptable limits \* - Fixed Dissolved Solids  
 D - Duplicate value out of acceptable limits  
 C - CCV value out of acceptable limits  
 S - Standard spike level out of acceptable limits  
 Source - denotes the source sample for MS or Duplicate  
 ##### - denotes no value/results for calculations in section

Reagents/Standards	Product-ID #	Equipments
TDS Std	1124-L057-03	Oven-1/2/3
TDS Std	1124-L057-04	OvenTemp-1
TDS Std		BAL-3
TDS Std		Dry-2
TDS Filter	78-1526	AP3



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 email: atranle@49erwaterlab.com / www.49erwaterlab.com

**Wet Chemistry QC Data**

pH											
SM 4500-H+ B-2000											
Batch #:	9348	Prepared - 12/19/2024			Analyzed - 12/19/2024						
Analyte	Results	Units	Spike Level	Source Results	RL	MDL	% REC	% REC Limits	RPD	RPD Limits	Source/Notes
ICCV_4.0	4.005	mg/L	4.00		0.5	0.1	100.125	90-110	0.1249	20	
ICCV_7.0	7.012	mg/L	7.00		0.5	0.1	100.171	90-110	0.1713	20	
ICCV_10.0	10.059	mg/L	10.00		0.5	0.1	100.59	90-110	0.5883	20	
BS_8.0	8.045	mg/L	8.00		0.5	0.1	100.563	90-110	0.5609	20	
pH - Dup1	7.60	mg/L		7.61	0.5	0.1	99.8686	80-120	0.1315	20	64975
pH - Dup2	7.63	mg/L		7.64	0.5	0.1	99.8691	80-120	0.131	20	64978
pH - Dup3		mg/L			0.5	0.1	#REF!	80-120	#REF!	20	
CCCV_8.0	8.11	mg/L	8.00		0.5	0.1	101.375	90-110	1.3656	20	
Slope	97.0	%	100							95-105	
Reagents/Standards	Product-ID #			Equipments							
pH 4.0 Std	71-1563			pH Meter-1							
pH 7.0 Std	72-1564			pH Probe-2							
pH 10.0 Std	73-1565			TempProbe-1							
pH BS 8.0 Std	7-1601			DO/pH HQ40d							

B - Blank value out of acceptable limits

D - Duplicate value out of acceptable limits

C - CCV value out of acceptable limits

M- Matrix spike level out of acceptable limits

S - Standard spike level out of acceptable limits

#### - denotes no value/results for calculations in section

Source - denotes the source sample for MS or Duplicate