



Date of Report: 01/03/2023

Andy Lapostol

GSI Water Solutions, Inc.  
5855 Capistran Avenue, Suite C  
Atascadero, CA 93422

Client Project: [none]  
BCL Project: Los Olivos GW Monitoring  
BCL Work Order: 2228010  
Invoice ID: B466581

Enclosed are the results of analyses for samples received by the laboratory on 11/22/2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

---

Contact Person: Ragen Schallock  
Client Service Rep

Certifications: CA ELAP #1186; NV #CA00014; OR ELAP #4032-001; AK UST101

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ANALYTICAL SERVICES 4100 Atlas Ct. - Bakersfield, CA 93308 - 661.327.4911 - Fax: 661.327.1918 - www.pacelabs.com

DAB-03, 11/22, 3A,1  
**Chain of Custody Form**

Page 1 of 1

Report To: Client: GSI Water Solutions, Inc.		Project #:		<b>Analysis Requested</b>				Comments:			
Attn: Tim Nicely, Andy Lapostol		Project Name: Los Olivos		Nitrate (EPA 300.0) TDS (EPA 160.1) Chloride (EPA 300.0) Sulfate 9EPA 300.0 Total Metals: Fe, Mn, B, Al, As							
Street Address: 418 Chapala Sreet, Suite H		BID# 00126506									
City, State, Zip: Santa Barbara CA 93101		Sampler(s) Name Printed: <i>John Gauthier</i>									
Phone: 805.979.3084 Fax:											
Email: alapostol@gsiws.com											
Work Order #: 22-78010											
Sample #	Description	Date Sampled	Time Sampled	Nitrate (EPA 300.0)	TDS (EPA 160.1)	Chloride (EPA 300.0)	Sulfate 9EPA 300.0)	Total Metals: Fe, Mn, B, Al, As	Sample Matrix	Result Request **Surcharge	Notes
-1	MW-1	11/22/22	1130	X	X	X	X	X	Sludge	X STD 5 Day 1 Day	
-2	MW-2	11/22/22	1140	X	X	X	X	X	Drinking Water	3 Day 2 Day 1 Day	
									Ground Water		
									Waste Water		
									Other		

SHORT HOLDING TIME

OP NO OP SS

ED O<sub>2</sub> BOD MBAS COT

CHK BY: *John Gauthier*

DISTRIBUTION: *Tim Nicely*

SUB OUT

<b>Billing</b>	<input type="checkbox"/> Same as above	EDF Required Geotracker <input type="checkbox"/> Yes <input type="checkbox"/> No	Global ID
Client:		1. Relinquished By: <i>John Gauthier</i>	Date: 11/22/22 Time: 1400
Address:		2. Relinquished By: <i>Daniel Begalla</i>	Date: 11/22/22 Time: 1800
City: State Zip:		3. Relinquished By: <i>Isabel Olivero</i>	Date: 11/22/22 Time: 1453
Attn:			
P.O. #:			

Pace Analytical Bakersfield does not accept samples containing radioactive material above background levels. Samples containing radioactive material must be disclosed prior to receipt. Any samples suspected of containing radioactive material above background levels will not be accepted and will be returned to client.

REV 12/2021

PACE ANALYTICAL		COOLER RECEIPT FORM		Page	Of						
Submission #: <u>22-28010</u>											
SHIPPING INFORMATION Fed Ex <input type="checkbox"/> UPS <input type="checkbox"/> GSO / GLS <input type="checkbox"/> Hand Delivery <input type="checkbox"/> Pace Lab Field Service <input checked="" type="checkbox"/> Other <input type="checkbox"/> (Specify) _____			SHIPPING CONTAINER Ice Chest <input checked="" type="checkbox"/> None <input type="checkbox"/> Box <input type="checkbox"/> Other <input type="checkbox"/> (Specify) _____		FREE LIQUID YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> W / S						
Refrigerant: Ice <input checked="" type="checkbox"/> Blue Ice <input type="checkbox"/> None <input type="checkbox"/> Other <input type="checkbox"/> Comments: _____											
Custody Seals: Ice Chest <input type="checkbox"/> Containers <input type="checkbox"/> None <input checked="" type="checkbox"/> Comments: _____ Intact? Yes <input type="checkbox"/> No <input type="checkbox"/> Intact? Yes <input type="checkbox"/> No <input type="checkbox"/>											
All samples received? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> All samples containers intact? Yes <input type="checkbox"/> No <input type="checkbox"/> Description(s) match COC? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>											
COC Received <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		Emissivity: <u>0.97</u> Container: <u>clear</u> Thermometer ID: <u>274</u> Temperature: (A) <u>0.8</u> °C / (C) <u>0.9</u> °C		Date/Time <u>11/22/22</u> Analyst Init <u>JG 21953</u>							
SAMPLE CONTAINERS		SAMPLE NUMBERS									
		1	2	3	4	5	6	7	8	9	10
QT PE UNPRES		A	A								
4oz / 8oz / 16oz PE UNPRES											
2oz Cr <sup>6</sup>											
QT INORGANIC CHEMICAL METALS											
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz		B	B								
PT CYANIDE											
PT NITROGEN FORMS											
PT TOTAL SULFIDE											
2oz. NITRATE / NITRITE											
PT TOTAL ORGANIC CARBON											
PT CHEMICAL OXYGEN DEMAND											
PT PHENOLICS											
40ml VOA VIAL TRAVEL BLANK											
40ml VOA VIAL											
QT EPA 1664B											
PT ODOR											
RADIOLOGICAL											
BACTERIOLOGICAL											
40 ml VOA VIAL- 504											
QT EPA 568/608, 3/8051A											
QT EPA 515.1/8151A											
QT EPA 525.2											
QT EPA 525.2 TRAVEL BLANK											
40ml EPA 547											
40ml EPA 531.1											
8oz EPA 548.1											
QT EPA 549.2											
QT EPA 8015M											
QT EPA 5270C											
8oz / 16oz / 32oz AMBER											
8oz / 16oz / 32oz JAR											
SOIL SLEEVE											
PCB VIAL											
PLASTIC BAG											
TEDLAR BAG											
FERROUS IRON											
ENCORE											
SMART KIT											
SUMMA CANISTER											

Comments: \_\_\_\_\_  
 Sample Numbering Completed By: JG Date/Time: 11/22/22 0710  
 A = Actual / C = Corrected



GSI Water Solutions, Inc.  
5855 Capistran Avenue, Suite C  
Atascadero, CA 93422

**Reported:** 01/03/2023 11:52  
**Project:** Los Olivos GW Monitoring  
**Project Number:** [none]  
**Project Manager:** Andy Lapostol

### Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
2228010-01	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/22/2022 19:53
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/22/2022 11:30
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	MW-1	<b>Lab Matrix:</b>	Water
	<b>Sampled By:</b>	John Gauthier	<b>Sample Type:</b>	Groundwater
	<hr/>			
2228010-02	<b>COC Number:</b>	---	<b>Receive Date:</b>	11/22/2022 19:53
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	11/22/2022 11:40
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	MW-2	<b>Lab Matrix:</b>	Water
	<b>Sampled By:</b>	John Gauthier	<b>Sample Type:</b>	Groundwater
	<hr/>			

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**Reported:** 01/03/2023 11:52  
 Project: Los Olivos GW Monitoring  
 Project Number: [none]  
 Project Manager: Andy Lapostol

## Water Analysis (General Chemistry)

<b>BCL Sample ID:</b> 2228010-01	<b>Client Sample Name:</b> MW-1, 11/22/2022 11:30:00AM, John Gauthier							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Chloride	110	mg/L	0.50	0.13	EPA-300.0	0.21		1
Nitrate as N	2.6	mg/L	0.10	0.024	EPA-300.0	ND		1
Sulfate	40	mg/L	1.0	0.14	EPA-300.0	ND		1
Total Dissolved Solids @ 180 C	450	mg/L	20	10	EPA-160.1	ND	A10	2

DCN	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC	
			Date/Time					Batch ID	Prep Method
1	EPA-300.0	11/23/22 09:00	11/23/22 16:06		RC1	IC2	1	B154472	No Prep
2	EPA-160.1	11/28/22 14:00	11/28/22 14:00		CAD	MANUAL	2	B154566	No Prep

DCN = Data Continuation Number



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**Reported:** 01/03/2023 11:52  
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**Project Number:** [none]  
**Project Manager:** Andy Lapostol

## Metals Analysis

<b>BCL Sample ID:</b> 2228010-01	<b>Client Sample Name:</b> MW-1, 11/22/2022 11:30:00AM, John Gauthier
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Total Recoverable Aluminum	11000	ug/L	20	14	EPA-200.8	ND		1
Total Recoverable Arsenic	11	ug/L	2.0	0.70	EPA-200.8	ND		1
Total Recoverable Boron	78	ug/L	20	1.7	EPA-200.8	ND		1
Total Recoverable Iron	22	mg/L	0.050	0.030	EPA-200.7	ND		2
Total Recoverable Manganese	370	ug/L	1.0	0.45	EPA-200.8	ND		1

DCN	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC	
			Date/Time					Batch ID	Prep Method
1	EPA-200.8	12/06/22 09:50	12/14/22 10:04		KHS	PE-EL4	1	B155264	EPA 200.2
2	EPA-200.7	12/06/22 21:50	12/09/22 13:24		JRG	PE-OP4	1	B155345	EPA 200.2

DCN = Data Continuation Number

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**Reported:** 01/03/2023 11:52  
 Project: Los Olivos GW Monitoring  
 Project Number: [none]  
 Project Manager: Andy Lapostol

## Water Analysis (General Chemistry)

<b>BCL Sample ID:</b> 2228010-02	<b>Client Sample Name:</b> MW-2, 11/22/2022 11:40:00AM, John Gauthier							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Chloride	130	mg/L	0.50	0.13	EPA-300.0	0.28		1
Nitrate as N	10	mg/L	0.10	0.024	EPA-300.0	ND		1
Sulfate	120	mg/L	1.0	0.14	EPA-300.0	0.39		1
Total Dissolved Solids @ 180 C	840	mg/L	50	25	EPA-160.1	ND	A10	2

DCN	Method	Prep Date	Run		Analyst	Instrument	Dilution	QC	
			Date/Time					Batch ID	Prep Method
1	EPA-300.0	11/23/22 14:00	11/23/22	14:04	KSA	IC5	1	B154473	No Prep
2	EPA-160.1	11/28/22 14:00	11/28/22	14:00	CAD	MANUAL	5	B154566	No Prep

DCN = Data Continuation Number





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Reported: 01/03/2023 11:52  
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 Project Number: [none]  
 Project Manager: Andy Lapostol

## Metals Analysis

BCL Sample ID: 2228010-02	Client Sample Name: MW-2, 11/22/2022 11:40:00AM, John Gauthier
---------------------------	--

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Total Recoverable Aluminum	1100	ug/L	20	14	EPA-200.8	ND		1
Total Recoverable Arsenic	3.8	ug/L	2.0	0.70	EPA-200.8	ND		1
Total Recoverable Boron	290	ug/L	20	1.7	EPA-200.8	ND		1
Total Recoverable Iron	2.0	mg/L	0.050	0.030	EPA-200.7	ND		2
Total Recoverable Manganese	110	ug/L	1.0	0.45	EPA-200.8	ND		1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-200.8	12/06/22 09:50	12/14/22 10:06	KHS	PE-EL4	1	B155264	EPA 200.2
2	EPA-200.7	12/06/22 21:50	12/09/22 13:27	JRG	PE-OP4	1	B155345	EPA 200.2

DCN = Data Continuation Number



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 Project Number: [none]  
 Project Manager: Andy Lapostol

## Water Analysis (General Chemistry)

### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals	Run #
<b>QC Batch ID: B154472</b>							
Chloride	B154472-BLK1	0.21200	mg/L	0.50	0.13	J	1
Nitrate as N	B154472-BLK1	ND	mg/L	0.10	0.024		1
Sulfate	B154472-BLK1	ND	mg/L	1.0	0.14		1
<b>QC Batch ID: B154473</b>							
Chloride	B154473-BLK1	0.27600	mg/L	0.50	0.13	J,M02	2
Nitrate as N	B154473-BLK1	ND	mg/L	0.10	0.024		2
Sulfate	B154473-BLK1	0.38600	mg/L	1.0	0.14	J	2
<b>QC Batch ID: B154566</b>							
Total Dissolved Solids @ 180 C	B154566-BLK1	ND	mg/L	6.7	3.3		3

Run #	QC Sample ID	QC Type	Method	Prep Date	Run Date Time	Analyst	Instrument	Dilution
1	B154472-BLK1	PB	EPA-300.0	11/23/22	11/23/22 10:15	SAV	IC2	1
1	B154472-BLK1	PB	EPA-300.0	11/23/22	11/23/22 10:15	SAV	IC2	1
2	B154473-BLK1	PB	EPA-300.0	11/23/22	11/23/22 10:12	SAV	IC5	1
2	B154473-BLK1	PB	EPA-300.0	11/23/22	11/23/22 10:12	SAV	IC5	1
3	B154566-BLK1	PB	EPA-160.1	11/28/22	11/28/22 14:00	CAD	MANUAL	0.667

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 Project Number: [none]  
 Project Manager: Andy Lapostol

## Water Analysis (General Chemistry)

### Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab	Run #
								Percent Recovery	RPD		
<b>QC Batch ID: B154472</b>											
Chloride	B154472-BS1	LCS	48.186	50.000	mg/L	96.4		90 - 110			1
Nitrate as N	B154472-BS1	LCS	4.7370	5.0000	mg/L	94.7		90 - 110			1
Sulfate	B154472-BS1	LCS	96.932	100.00	mg/L	96.9		90 - 110			1
<b>QC Batch ID: B154473</b>											
Chloride	B154473-BS1	LCS	49.341	50.000	mg/L	98.7		90 - 110			2
Nitrate as N	B154473-BS1	LCS	4.8420	5.0000	mg/L	96.8		90 - 110			2
Sulfate	B154473-BS1	LCS	98.538	100.00	mg/L	98.5		90 - 110			2
<b>QC Batch ID: B154566</b>											
Total Dissolved Solids @ 180 C	B154566-BS1	LCS	585.00	586.00	mg/L	99.8		90 - 110			3

Run #	QC Sample ID	QC Type	Method	Prep Date	Run		Analyst	Instrument	Dilution
					Date	Time			
1	B154472-BS1	LCS	EPA-300.0	11/23/22	11/23/22	10:36	SAV	IC2	1
1	B154472-BS1	LCS	EPA-300.0	11/23/22	11/23/22	10:36	SAV	IC2	1
2	B154473-BS1	LCS	EPA-300.0	11/23/22	11/23/22	10:29	SAV	IC5	1
2	B154473-BS1	LCS	EPA-300.0	11/23/22	11/23/22	10:29	SAV	IC5	1
3	B154566-BS1	LCS	EPA-160.1	11/28/22	11/28/22	14:00	CAD	MANUAL	5

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 Project Manager: Andy Lapostol

## Water Analysis (General Chemistry)

### Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits		Lab Quals	R#
									RPD	Percent Recovery		
<b>QC Batch ID: B154472</b>		Used client sample: N										
Chloride	DUP	2228007-02	152.41	152.80		mg/L	0.3		10			1
	MS	2228007-02	152.41	202.08	50.505	mg/L		98.4		80 - 120		2
	MSD	2228007-02	152.41	202.00	50.505	mg/L	0.0	98.2	10	80 - 120		3
Nitrate as N	DUP	2228007-02	6.8600	6.8510		mg/L	0.1		10			1
	MS	2228007-02	6.8600	11.820	5.0505	mg/L		98.2		80 - 120		2
	MSD	2228007-02	6.8600	11.830	5.0505	mg/L	0.1	98.4	10	80 - 120		3
Sulfate	DUP	2228007-02	42.030	42.105		mg/L	0.2		10			1
	MS	2228007-02	42.030	147.32	101.01	mg/L		104		80 - 120		2
	MSD	2228007-02	42.030	147.40	101.01	mg/L	0.1	104	10	80 - 120		3
<b>QC Batch ID: B154473</b>		Used client sample: N										
Chloride	DUP	2227969-01	51.686	51.574		mg/L	0.2		10			4
	MS	2227969-01	51.686	105.93	50.505	mg/L		107		80 - 120		5
	MSD	2227969-01	51.686	105.85	50.505	mg/L	0.1	107	10	80 - 120		6
Nitrate as N	DUP	2227969-01	2.5930	2.5950		mg/L	0.1		10			4
	MS	2227969-01	2.5930	7.5394	5.0505	mg/L		97.9		80 - 120		5
	MSD	2227969-01	2.5930	7.5364	5.0505	mg/L	0.0	97.9	10	80 - 120		6
Sulfate	DUP	2227969-01	165.40	164.94		mg/L	0.3		10			4
	MS	2227969-01	165.40	269.72	101.01	mg/L		103		80 - 120		5
	MSD	2227969-01	165.40	269.60	101.01	mg/L	0.0	103	10	80 - 120		6
<b>QC Batch ID: B154566</b>		Used client sample: Y - Description: MW-2, 11/22/2022 11:40										
Total Dissolved Solids @ 180 C	DUP	2228010-02	845.00	835.00		mg/L	1.2		10			7

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 Project Manager: Andy Lapostol

## Water Analysis (General Chemistry)

### Quality Control Report - Precision & Accuracy

Run #	QC Sample ID	QC Type	Method	Prep Date	Run Date Time	Analyst	Instrument	Dilution
1	B154472-DUP1	DUP	EPA-300.0	11/23/22	11/23/22 11:17	KSA	IC2	1
1	B154472-DUP1	DUP	EPA-300.0	11/23/22	11/23/22 11:17	KSA	IC2	1
2	B154472-MS1	MS	EPA-300.0	11/23/22	11/23/22 11:38	KSA	IC2	1.010
2	B154472-MS1	MS	EPA-300.0	11/23/22	11/23/22 11:38	KSA	IC2	1.010
3	B154472-MSD1	MSD	EPA-300.0	11/23/22	11/23/22 11:58	KSA	IC2	1.010
3	B154472-MSD1	MSD	EPA-300.0	11/23/22	11/23/22 11:58	KSA	IC2	1.010
4	B154473-DUP1	DUP	EPA-300.0	11/23/22	11/23/22 11:05	KSA	IC5	1
4	B154473-DUP1	DUP	EPA-300.0	11/23/22	11/23/22 11:05	KSA	IC5	1
5	B154473-MS1	MS	EPA-300.0	11/23/22	11/23/22 11:23	KSA	IC5	1.010
5	B154473-MS1	MS	EPA-300.0	11/23/22	11/23/22 11:23	KSA	IC5	1.010
6	B154473-MSD1	MSD	EPA-300.0	11/23/22	11/23/22 11:41	KSA	IC5	1.010
6	B154473-MSD1	MSD	EPA-300.0	11/23/22	11/23/22 11:41	KSA	IC5	1.010
7	B154566-DUP1	DUP	EPA-160.1	11/28/22	11/28/22 14:00	CAD	MANUAL	5

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 Project: Los Olivos GW Monitoring  
 Project Number: [none]  
 Project Manager: Andy Lapostol

## Metals Analysis

### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals	Run #
<b>QC Batch ID: B155264</b>							
Total Recoverable Aluminum	B155264-BLK1	ND	ug/L	20	14		1
Total Recoverable Arsenic	B155264-BLK1	ND	ug/L	2.0	0.70		1
Total Recoverable Boron	B155264-BLK2	ND	ug/L	20	1.7		2
Total Recoverable Manganese	B155264-BLK1	ND	ug/L	1.0	0.45		1

<b>QC Batch ID: B155345</b>							
Total Recoverable Iron	B155345-BLK1	ND	mg/L	0.050	0.030		3

Run #	QC Sample ID	QC Type	Method	Prep Date	Run Date Time	Analyst	Instrument	Dilution
1	B155264-BLK1	PB	EPA-200.8	12/06/22	12/14/22 09:08	KHS	PE-EL4	1
2	B155264-BLK2	PB	EPA-200.8	12/06/22	12/14/22 09:08	KHS	PE-EL4	1
3	B155345-BLK1	PB	EPA-200.7	12/06/22	12/09/22 13:00	JRG	PE-OP4	1

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GSI Water Solutions, Inc.  
 5855 Capistran Avenue, Suite C  
 Atascadero, CA 93422

Reported: 01/03/2023 11:52  
 Project: Los Olivos GW Monitoring  
 Project Number: [none]  
 Project Manager: Andy Lapostol

## Metals Analysis

### Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab	Run #
								Percent Recovery	RPD		
<b>QC Batch ID: B155264</b>											
Total Recoverable Aluminum	B155264-BS1	LCS	317.73	300.00	ug/L	106		85 - 115			1
Total Recoverable Arsenic	B155264-BS1	LCS	99.998	100.00	ug/L	100		85 - 115			1
Total Recoverable Boron	B155264-BS2	LCS	418.93	400.00	ug/L	105		85 - 115			2
Total Recoverable Manganese	B155264-BS1	LCS	109.17	100.00	ug/L	109		85 - 115			1
<b>QC Batch ID: B155345</b>											
Total Recoverable Iron	B155345-BS1	LCS	1.0099	1.0000	mg/L	101		85 - 115			3

Run #	QC Sample ID	QC Type	Method	Prep Date	Run		Analyst	Instrument	Dilution
					Date	Time			
1	B155264-BS1	LCS	EPA-200.8	12/06/22	12/14/22	09:15	KHS	PE-EL4	1
2	B155264-BS2	LCS	EPA-200.8	12/06/22	12/14/22	13:08	KHS	PE-EL4	1
3	B155345-BS1	LCS	EPA-200.7	12/06/22	12/09/22	13:02	JRG	PE-OP4	1

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## Metals Analysis

### Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits		Lab	R#
									RPD	Percent Recovery		
<b>QC Batch ID: B155264</b>		Used client sample: N										
Total Recoverable Aluminum	DUP	2228467-01	ND	ND		ug/L			20			1
	MS	2228467-01	ND	329.46	300.00	ug/L		110		70 - 130		2
	MSD	2228467-01	ND	338.71	300.00	ug/L	2.8	113	20	70 - 130		3
Total Recoverable Arsenic	DUP	2228467-01	79.043	80.002		ug/L	1.2		20			1
	MS	2228467-01	79.043	194.95	100.00	ug/L		116		70 - 130		2
	MSD	2228467-01	79.043	195.67	100.00	ug/L	0.4	117	20	70 - 130		3
Total Recoverable Boron	DUP	2228467-01	191.98	204.91		ug/L	6.5		20			4
	MS	2228467-01	191.98	644.48	400.00	ug/L		113		70 - 130		5
	MSD	2228467-01	191.98	721.96	400.00	ug/L	11.3	132	20	70 - 130	Q03	6
Total Recoverable Manganese	DUP	2228467-01	1.4080	1.2010		ug/L	15.9		20			1
	MS	2228467-01	1.4080	108.25	100.00	ug/L		107		70 - 130		2
	MSD	2228467-01	1.4080	115.81	100.00	ug/L	6.7	114	20	70 - 130		3
<b>QC Batch ID: B155345</b>		Used client sample: N										
Total Recoverable Iron	DUP	2228212-01	ND	ND		mg/L			20			7
	MS	2228212-01	ND	0.98376	1.0000	mg/L		98.4		75 - 125		8
	MSD	2228212-01	ND	1.0077	1.0000	mg/L	2.4	101	20	75 - 125		9

Run #	QC Sample ID	QC Type	Method	Prep Date	Run Date Time	Analyst	Instrument	Dilution
1	B155264-DUP1	DUP	EPA-200.8	12/06/22	12/14/22 09:12	KHS	PE-EL4	1
2	B155264-MS1	MS	EPA-200.8	12/06/22	12/14/22 09:17	KHS	PE-EL4	1
3	B155264-MSD1	MSD	EPA-200.8	12/06/22	12/14/22 09:19	KHS	PE-EL4	1
4	B155264-DUP2	DUP	EPA-200.8	12/06/22	12/14/22 09:12	KHS	PE-EL4	1
5	B155264-MS2	MS	EPA-200.8	12/06/22	12/14/22 09:17	KHS	PE-EL4	1
6	B155264-MSD2	MSD	EPA-200.8	12/06/22	12/14/22 09:19	KHS	PE-EL4	1
7	B155345-DUP1	DUP	EPA-200.7	12/06/22	12/09/22 13:07	JRG	PE-OP4	1
8	B155345-MS1	MS	EPA-200.7	12/06/22	12/09/22 13:11	JRG	PE-OP4	1
9	B155345-MSD1	MSD	EPA-200.7	12/06/22	12/09/22 13:14	JRG	PE-OP4	1

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### Notes And Definitions

- J Estimated Value (CLP Flag)
- MDL Method Detection Limit
- ND Analyte Not Detected
- PQL Practical Quantitation Limit
- A10 Detection and quantitation limits were raised due to matrix interference.
- M02 Analyte detected in the Method Blank at a level between the PQL and > 1/2 the PQL.
- Q03 Matrix spike recovery(s) was(were) not within the control limits.