

June 01, 2021

**Impetro Resources**

**Sam Bradley**

**2820 Logan Dr.**

**Loveland CO 80538**

**Project Name - Flessner #14**

**Project Number - [none]**

Attached are your analytical results for Flessner #14 received by Origins Laboratory, Inc. May 20, 2021. This project is associated with Origins project number Y105407-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.  
303.433.1322  
o-squad@oelabinc.com



Impetro Resources  
2820 Logan Dr.  
Loveland CO 80538

Sam Bradley  
Project Number: [none]  
Project: Flessner #14

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
159114 Flessner #14	Y105407-01	Water	May 20, 2021 13:00	05/20/2021 16:50

Origins Laboratory, Inc.



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Impetro Resources  
 2820 Logan Dr.  
 Loveland CO 80538

Sam Bradley  
 Project Number: [none]  
 Project: Flessner #14

Origins Laboratory F-012207-01-R1  
Effective Date: 01/09/12

**Sample Receipt Checklist**

Origins Work Order: Y105407 Client: Impetro  
 Client Project ID: Flessner #14  
 Checklist Completed by: JG Shipped Via: HS  
 Date/time completed: 5/21/21 Airbill #: N/A  
(UPS, FedEx, Hand Delivered, Pick-up, etc.)  
 Matrix(s) Received: (Check all that apply):  Soil/Solid  Water  Other: \_\_\_\_\_  
 Cooler Number/Temperature: 1, 38.1 °C / \_\_\_\_\_ °C / \_\_\_\_\_ °C (Describe) \_\_\_\_\_ °C  
 Thermometer ID: T003

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C <sup>(1)</sup> ?		<input checked="" type="checkbox"/>		<u>Same Day</u>
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Were all samples received intact <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.		<input checked="" type="checkbox"/>		
Are samples preserved that require preservation and was it checked <sup>(1)</sup> ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO <sub>3</sub> , HCL, H <sub>2</sub> SO <sub>4</sub> ) / (pH >10 for samples preserved with NaAsO <sub>2</sub> +NaOH, ZnAc+NaOH).		<input checked="" type="checkbox"/>		
Additional Comments (if any):				

<sup>(1)</sup>If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by: Jm (Project Manager)

5-24-21  
Date/Time Reviewed

Origins Laboratory, Inc.



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Impetro Resources  
 2820 Logan Dr.  
 Loveland CO 80538

Sam Bradley  
 Project Number: [none]  
 Project: Flessner #14

**159114 Flessner #14**  
**5/20/2021 1:00:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y105407-01 (Water)**

**Total Dissolved Solids by 2540C**

Total Dissolved Solids	<b>4580</b>	5.00	mg/L	1	B1E2612	DJL	05/26/2021	05/27/2021	
------------------------	-------------	------	------	---	---------	-----	------------	------------	--

**Total Metals by 200.8**

Barium	<b>8.29</b>	0.0400	mg/L	10	2131466	SKJ	05/25/2021	05/26/2021	
Boron	<b>6.92</b>	0.750	"	50	"	SKJ	"	05/27/2021	
Calcium	<b>5.01</b>	0.200	"	1	"	SKJ	"	05/26/2021	
Iron	<b>2.38</b>	0.100	"	"	"	SKJ	"	"	
Magnesium	<b>0.832</b>	0.0300	"	"	"	SKJ	"	"	
Manganese	<b>0.0315</b>	0.00500	"	"	"	SKJ	"	"	
Potassium	<b>7.54</b>	0.300	"	"	"	SKJ	"	"	
Selenium	ND	0.00500	"	"	"	SKJ	"	"	U
Sodium	<b>2140</b>	12.5	"	50	"	SKJ	"	05/27/2021	
Strontium	<b>0.889</b>	0.0100	"	1	"	SKJ	"	05/26/2021	

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Sam Bradley  
 Project Number: [none]  
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**Classical Chemistry Parameters - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B1E2612 - NO PREP</b>										
<b>Blank (B1E2612-BLK1)</b>					Prepared: 05/26/2021 Analyzed: 05/27/2021					
Total Dissolved Solids	ND	5.00	mg/L							
<b>LCS (B1E2612-BS1)</b>					Prepared: 05/26/2021 Analyzed: 05/27/2021					
Total Dissolved Solids	761	5.00	mg/L	716		106	85-115			
<b>Duplicate (B1E2612-DUP1)</b>		<b>Source: Y105417-01</b>			Prepared: 05/26/2021 Analyzed: 05/27/2021					
Total Dissolved Solids	3810	5.00	mg/L		3820			0.341	20	

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 Project Number: [none]  
 Project: Flessner #14

**Total Metals by 200.8 - Quality Control**  
**GEL Laboratories, LLC**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch 2131466 - EPA 200.2**

**BLANK (1204828920-BLK)**

Prepared: 05/25/2021 Analyzed: 05/26/2021

Potassium	ND	0.300	mg/L				-			U
Strontium	ND	0.0100	"				-			U
Selenium	ND	0.00500	"				-			U
Manganese	ND	0.00500	"				-			U
Magnesium	ND	0.0300	"				-			U
Iron	ND	0.100	"				-			U
Calcium	ND	0.200	"				-			U
Boron	ND	0.0150	"				-			U
Barium	ND	0.00400	"				-			U
Sodium	ND	0.250	"				-			U

**LCS (1204828921-BKS)**

Prepared: 05/25/2021 Analyzed: 05/26/2021

Strontium	0.0498	0.0100	mg/L	0.0500		99.6	85-115			
Barium	0.0516	0.00400	"	0.0500		103	85-115			
Boron	0.0963	0.0150	"	0.100		96.3	85-115			
Calcium	2.09	0.200	"	2.00		104	85-115			
Iron	2.11	0.100	"	2.00		106	85-115			
Magnesium	2.06	0.0300	"	2.00		103	85-115			
Manganese	0.0507	0.00500	"	0.0500		101	85-115			
Potassium	2.03	0.300	"	2.00		102	85-115			
Selenium	0.0527	0.00500	"	0.0500		105	85-115			
Sodium	2.08	0.250	"	2.00		104	85-115			

**DUP (1204828922 D)**

Source: Y105407-01

Prepared: 05/25/2021 Analyzed: 05/27/2021

Sodium	2220	12.5	mg/L		2140		0-20	3.95	20	
Strontium	0.930	0.0100	"		0.889		0-20	4.57	20	
Selenium	ND	0.00500	"		<0.00200		0-20	27.1	20	U

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**Total Metals by 200.8 - Quality Control**  
**GEL Laboratories, LLC**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch 2131466 - EPA 200.2**

<b>DUP (1204828922 D)</b>		<b>Source: Y105407-01</b>			<b>Prepared: 05/25/2021 Analyzed: 05/26/2021</b>					
Potassium	7.69	0.300	mg/L		7.54		0-20	1.94	20	
Manganese	0.0323	0.00500	"		0.0315		0-20	2.57	20	
Magnesium	0.869	0.0300	"		0.832		0-20	4.35	20	
Iron	2.35	0.100	"		2.38		0-20	1.41	20	
Calcium	5.25	0.200	"		5.01		0-20	4.6	20	
Boron	7.36	0.750	"		6.92		0-20	6.19	20	
Barium	8.46	0.0400	"		8.29		0-20	2.1	20	
<b>MS (1204828923 S)</b>		<b>Source: Y105407-01</b>			<b>Prepared: 05/25/2021 Analyzed: 05/26/2021</b>					
Strontium	0.982	0.0100	mg/L	0.0500	0.889	0	75-125			
Boron	7.49	0.750	"	0.100	6.92	0	75-125			
Calcium	7.12	0.200	"	2.00	5.01	105	75-125			
Iron	4.00	0.100	"	2.00	2.38	80.6	75-125			
Magnesium	2.65	0.0300	"	2.00	0.832	90.7	75-125			
Manganese	0.0770	0.00500	"	0.0500	0.0315	91.1	75-125			
Potassium	9.27	0.300	"	2.00	7.54	86.6	75-125			
Selenium	0.0123	0.00500	"	0.0500	<0.00200	23.8	75-125			
Sodium	2220	12.5	"	2.00	2140	0	75-125			
Barium	8.43	0.0400	"	0.0500	8.29	0	75-125			

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2820 Logan Dr.  
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Sam Bradley  
Project Number: [none]  
Project: Flessner #14

---

**Notes and Definitions**

U Result not detected above the detection limit

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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The results set forth herein are provided by SGS North America Inc.

*e-Hardcopy 2.0*  
*Automated Report*

## Technical Report for

### Origins Laboratory

Y105407

SGS Job Number: DA34664

Sampling Date: 05/20/21

#### Report to:

Origins Laboratory  
1725 Elk Place  
Denver, CO 80211  
ndoyle@originslab.com; jpellegrini@originslab.com;  
jmerrill@originslab.com  
ATTN: Noelle Doyle

Total number of pages in report: 14



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.



**Jason Savoie**  
General Manager

**Client Service contact: Carissa Cumine 303-425-6021**

Certifications: CO (CO00049), NE (NE-OS-06-04), ND (R-027), UT (NELAP CO00049)  
LA (LA150028), TX (T104704511), WY (8TMS-L)

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Test results relate only to samples analyzed.

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## Sample Summary

Origins Laboratory

Y105407

Job No: DA34664

Sample Number	Collected		Matrix			Client Sample ID
	Date	Time By	Received	Code	Type	
DA34664-1	05/20/21	13:00	05/21/21	AQ	Water	Y105407-01



## CASE NARRATIVE / CONFORMANCE SUMMARY

**Client:** Origins Laboratory

**Job No:** DA34664

**Site:** Y105407

**Report Date** 5/28/2021 4:58:36 PM

On 05/21/2021, 1 sample(s), 0 Trip Blank(s), and 0 Field Blank(s) were received at SGS North America Inc. (SGS) at a temperature of 5.8 °C. The samples were intact and properly preserved, unless noted below. An SGS Job Number of DA34664 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

### General Chemistry By Method EPA300.0

**Matrix:** AQ

**Batch ID:** GP29169

- All samples were prepared within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) DA34631-2MS, DA34631-2MSD were used as the QC samples for the Bromide, Chloride, Fluoride, Nitrogen, Nitrate, Nitrogen, Nitrite, Sulfate, Bromide analysis.
- DA34664-1 for Nitrogen, Nitrate: Elevated detection limit due to matrix interference.
- DA34664-1 for Nitrogen, Nitrite: Elevated detection limit due to matrix interference.

SGS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting SGS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by SGS indicated via signature on the report cover.

Friday, May 28, 2021

Page 1 of 1

## Summary of Hits

**Job Number:** DA34664  
**Account:** Origins Laboratory  
**Project:** Y105407  
**Collected:** 05/20/21



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
---------------	------------------	-----------------	----	-----	-------	--------

**DA34664-1      Y105407-01**

Fluoride	3.1	1.0	0.50	mg/l	EPA300.0
Chloride	1770	130	100	mg/l	EPA300.0
Bromide	12.4	0.50	0.25	mg/l	EPA300.0
Sulfate	9.0	5.0	4.0	mg/l	EPA300.0

Sample Results

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Report of Analysis

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## Report of Analysis

<b>Client Sample ID:</b> Y105407-01	<b>Date Sampled:</b> 05/20/21
<b>Lab Sample ID:</b> DA34664-1	<b>Date Received:</b> 05/21/21
<b>Matrix:</b> AQ - Water	<b>Percent Solids:</b> n/a
<b>Project:</b> Y105407	

### General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
<b>300.0</b>								
Fluoride	3.1	1.0	0.50	mg/l	10	05/21/21 19:39 JB		EPA300.0
Chloride	1770	130	100	mg/l	250	05/21/21 19:53 JB		EPA300.0
Nitrogen, Nitrite <sup>a</sup>	0.75 U	1.0	0.75	mg/l	250	05/21/21 19:53 JB		EPA300.0
Bromide	12.4	0.50	0.25	mg/l	10	05/21/21 19:39 JB		EPA300.0
Nitrogen, Nitrate <sup>a</sup>	0.060 U	0.10	0.060	mg/l	10	05/21/21 19:39 JB		EPA300.0
Sulfate	9.0	5.0	4.0	mg/l	10	05/21/21 19:39 JB		EPA300.0

(a) Elevated detection limit due to matrix interference.

RL = Reporting Limit  
 MDL = Method Detection Limit

U = Indicates a result < MDL  
 B = Indicates a result > = MDL but < RL

4.1  
4

Misc. Forms

Custody Documents and Other Forms

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Includes the following where applicable:

- Chain of Custody



Your Lab's Letterhead here...  
Address City, St. Zip Phone/Fax

# SUBCONTRACT ORDER

DA34664

DA34664

**Sending Laboratory:**

Origins Laboratory, Inc.  
1725 West Elk Place  
Denver, CO 80211  
Phone: 303.433.1322  
Fax: 303.265.9645  
Project Manager: Noelle Doyle Mathis

**Subcontracted Laboratory:**

Accutest Laboratories  
4036 Youngfield St.  
Wheat Ridge, CO 80033  
Phone: (303) 425-6021  
Fax: (303) 425-6854

**Work Order: Y105407**

Analysis	Due	Expires	Comments
<b>Sample ID: Y105407-01 Water Sampled: 05/20/2021 13:00</b>			

Nitrite by 300.0	05/27/2021	05/22/2021 13:00	
Nitrate by 300.0	05/27/2021	05/22/2021 13:00	
Fluoride by 300.0	05/27/2021	05/22/2021 13:00	
Chloride by 300.0	05/27/2021	05/22/2021 13:00	
Sulfate by 300.0	05/27/2021	06/17/2021 13:00	
Bromide by 300.0	05/27/2021	06/17/2021 13:00	

Containers Supplied:

5-8 7680

Released By

Date

5/21/21 1305

Received By

Date

5/21/21

# SGS Sample Receipt Summary

**Job Number:** DA34664

**Client:** ORIGINS LABORATORY

**Project:** Y105407

**Date / Time Received:** 5/21/2021 1:05:00 PM

**Delivery Method:**

**Airbill #'s:** HD

**Cooler Temps (Initial/Adjusted):** #1: (5.8/5.8):

**Cooler Security**

- |                           | Y or N                              |                          |                       | Y or N                              |                          |
|---------------------------|-------------------------------------|--------------------------|-----------------------|-------------------------------------|--------------------------|
| 1. Custody Seals Present: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3. COC Present:       | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Custody Seals Intact:  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 4. Smpl Dates/Time OK | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

**Cooler Temperature**

- |                              | Y or N                              |                          |
|------------------------------|-------------------------------------|--------------------------|
| 1. Temp criteria achieved:   | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Cooler temp verification: | IR Gun;                             |                          |
| 3. Cooler media:             | Ice (Bag)                           |                          |
| 4. No. Coolers:              | 1                                   |                          |

**Quality Control Preservation**

- |                                 | Y                                   | N                        | N/A                                 |
|---------------------------------|-------------------------------------|--------------------------|-------------------------------------|
| 1. Trip Blank present / cooler: | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 2. Trip Blank listed on COC:    | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3. Samples preserved properly:  | <input checked="" type="checkbox"/> | <input type="checkbox"/> |                                     |
| 4. VOCs headspace free:         | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Comments

**Sample Integrity - Documentation**

- |  | Y                                   | N                        |
|--|-------------------------------------|--------------------------|
| 1. Sample labels present on bottles:   | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Container labeling complete:        | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Sample container label / COC agree: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

**Sample Integrity - Condition**

- |                                  | Y                                   | N                        |
|----------------------------------|-------------------------------------|--------------------------|
| 1. Sample recvd within HT:       | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. All containers accounted for: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Condition of sample:          | Intact                              |                          |

**Sample Integrity - Instructions**

- |   | Y                                   | N                                   | N/A                                 |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Analysis requested is clear:           | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                                     |
| 2. Bottles received for unspecified tests | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                                     |
| 3. Sufficient volume recvd for analysis:  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                                     |
| 4. Compositing instructions clear:        | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 5. Filtering instructions clear:          | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

5.1  
5

**DA34664: Chain of Custody**

Page 2 of 2

## General Chemistry

### QC Data Summaries

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Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY  
GENERAL CHEMISTRY

Login Number: DA34664  
Account: ORIGLCOD - Origins Laboratory  
Project: Y105407

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Bromide	GP29169/GN53299	0.050	0.0	mg/l	0.5	0.458	91.6	90-110%
Chloride	GP29169/GN53299	0.50	0.0	mg/l	5	5.36	107.2	90-110%
Fluoride	GP29169/GN53299	0.10	0.0	mg/l	1	0.922	92.2	90-110%
Nitrogen, Nitrate	GP29169/GN53299	0.010	0.0	mg/l	0.1	0.101	101.0	90-110%
Nitrogen, Nitrite	GP29169/GN53299	0.0040	0.0	mg/l	0.05	0.0484	96.8	90-110%
Sulfate	GP29169/GN53299	0.50	0.0	mg/l	5	4.76	95.2	90-110%

Associated Samples:  
Batch GP29169: DA34664-1  
(\* ) Outside of QC limits

6.1  
6

MATRIX SPIKE RESULTS SUMMARY  
GENERAL CHEMISTRY

Login Number: DA34664  
Account: ORIGLCOD - Origins Laboratory  
Project: Y105407

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Bromide	GP29169/GN53299	DA34631-2	mg/l	0.15	12.5	11.8	94.4	80-120%
Bromide	GP29169/GN53299	DA34631-2	mg/l	0.63 U	12.5	11.8	94.4	80-120%
Chloride	GP29169/GN53299	DA34631-2	mg/l	41.6	125	180	101.4	80-120%
Chloride	GP29169/GN53299	DA34631-2	mg/l	53.3	125	180	101.4	80-120%
Fluoride	GP29169/GN53299	DA34631-2	mg/l	1.3 U	25	24.5	98.0	80-120%
Fluoride	GP29169/GN53299	DA34631-2	mg/l	0.15	25	24.5	98.0	80-120%
Nitrogen, Nitrate	GP29169/GN53299	DA34631-2	mg/l	3.1	2.5	5.6	100.0	80-120%
Nitrogen, Nitrate	GP29169/GN53299	DA34631-2	mg/l	3.3	2.5	5.6	100.0	80-120%
Nitrogen, Nitrite	GP29169/GN53299	DA34631-2	mg/l	0.0030 U	1.25	1.2	96.0	80-120%
Sulfate	GP29169/GN53299	DA34631-2	mg/l	15.4	125	137	97.3	80-120%
Sulfate	GP29169/GN53299	DA34631-2	mg/l	12.5	125	137	97.3	80-120%

Associated Samples:

Batch GP29169: DA34664-1

(\*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

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MATRIX SPIKE DUPLICATE RESULTS SUMMARY  
GENERAL CHEMISTRY

Login Number: DA34664  
Account: ORIGLCOD - Origins Laboratory  
Project: Y105407

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Bromide	GP29169/GN53299	DA34631-2	mg/l	0.15	12.5	11.9	0.8	20%
Bromide	GP29169/GN53299	DA34631-2	mg/l	0.63 U	12.5	11.9	0.8	20%
Chloride	GP29169/GN53299	DA34631-2	mg/l	41.6	125	181	0.6	20%
Chloride	GP29169/GN53299	DA34631-2	mg/l	53.3	125	181	0.6	20%
Fluoride	GP29169/GN53299	DA34631-2	mg/l	1.3 U	25	24.4	0.4	20%
Fluoride	GP29169/GN53299	DA34631-2	mg/l	0.15	25	24.4	0.4	20%
Nitrogen, Nitrate	GP29169/GN53299	DA34631-2	mg/l	3.1	2.5	5.6	0.0	20%
Nitrogen, Nitrate	GP29169/GN53299	DA34631-2	mg/l	3.3	2.5	5.6	0.0	20%
Nitrogen, Nitrite	GP29169/GN53299	DA34631-2	mg/l	0.0030 U	1.25	1.2	0.0	20%
Sulfate	GP29169/GN53299	DA34631-2	mg/l	15.4	125	137	0.0	20%
Sulfate	GP29169/GN53299	DA34631-2	mg/l	12.5	125	137	0.0	20%

Associated Samples:

Batch GP29169: DA34664-1

(\*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

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