



SAMPLE DATA

Report of Analysis

Client:	G Environmental	Date Collected:	06/19/25 10:45
Project:	Buff	Date Received:	06/19/25
Client Sample ID:	RPTY42025	SDG No.:	Q2371
Lab Sample ID:	Q2371-04	Matrix:	SOIL
		% Solid:	89.5

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Sulfate	10.7	J	1	9.70	66.4	mg/Kg		06/20/25 11:52	9056A

Comments:

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 D = Dilution
 Q = indicates LCS control criteria did not meet requirements
 H = Sample Analysis Out Of Hold Time

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 * = indicates the duplicate analysis is not within control limits.
 E = Indicates the reported value is estimated because of the presence of interference.
 OR = Over Range
 N =Spiked sample recovery not within control limits

Report of Analysis

Client:	G Environmental	Date Collected:	06/19/25 11:55
Project:	Buff	Date Received:	06/19/25
Client Sample ID:	BBX42025	SDG No.:	Q2371
Lab Sample ID:	Q2371-05	Matrix:	SOIL
		% Solid:	86.6

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Sulfate	15.1	J	1	10.1	68.9	mg/Kg		06/20/25 12:13	9056A

Comments:

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 D = Dilution
 Q = indicates LCS control criteria did not meet requirements
 H = Sample Analysis Out Of Hold Time

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 * = indicates the duplicate analysis is not within control limits.
 E = Indicates the reported value is estimated because of the presence of interference.
 OR = Over Range
 N =Spiked sample recovery not within control limits

QC RESULT SUMMARY

Initial and Continuing Calibration Verification

Client: G Environmental

SDG No.: Q2371

Project: Buff

RunNo.: LB136233

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1						
Bromide	mg/L	10.2	10	102	90-110	05/22/2025
Chloride	mg/L	3.1	3	103	90-110	05/22/2025
Fluoride	mg/L	2.1	2	105	90-110	05/22/2025
Nitrite	mg/L	3.1	3	103	90-110	05/22/2025
Nitrate	mg/L	2.6	2.5	104	90-110	05/22/2025
Sulfate	mg/L	15.1	15	101	90-110	05/22/2025
Orthophosphate as P	mg/L	5.3	5	106	90-110	05/22/2025
Sample ID: CCV1						
Bromide	mg/L	10.2	10	102	90-110	06/20/2025
Chloride	mg/L	3.1	3	103	90-110	06/20/2025
Fluoride	mg/L	2.1	2	105	90-110	06/20/2025
Nitrite	mg/L	3	3	100	90-110	06/20/2025
Nitrate	mg/L	2.5	2.5	100	90-110	06/20/2025
Sulfate	mg/L	15.1	15	101	90-110	06/20/2025
Orthophosphate as P	mg/L	5.2	5	104	90-110	06/20/2025
Sample ID: CCV2						
Bromide	mg/L	10.2	10	102	90-110	06/20/2025
Chloride	mg/L	3	3	100	90-110	06/20/2025
Fluoride	mg/L	2.1	2	105	90-110	06/20/2025
Nitrite	mg/L	3	3	100	90-110	06/20/2025
Nitrate	mg/L	2.5	2.5	100	90-110	06/20/2025
Sulfate	mg/L	15.1	15	101	90-110	06/20/2025
Orthophosphate as P	mg/L	5.3	5	106	90-110	06/20/2025

Initial and Continuing Calibration Blank Summary

Client: G Environmental

SDG No.: Q2371

Project: Buff

RunNo.: LB136233

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	05/22/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	05/22/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	05/22/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	05/22/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	05/22/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	05/22/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	05/22/2025
Sample ID: CCB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	06/20/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	06/20/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	06/20/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	06/20/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	06/20/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	06/20/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	06/20/2025
Sample ID: CCB2							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	06/20/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	06/20/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	06/20/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	06/20/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	06/20/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	06/20/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	06/20/2025

Preparation Blank Summary

Client: G Environmental

SDG No.: Q2371

Project: Buff

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB136233BLS							
Bromide	mg/Kg	< 20.0000	20.0000	U	7	40	06/20/2025
Chloride	mg/Kg	< 6.0000	6.0000	U	3.5	12	06/20/2025
Fluoride	mg/Kg	< 4.0000	4.0000	U	1.8	8	06/20/2025
Nitrite	mg/Kg	< 6.0000	6.0000	U	1.5	12	06/20/2025
Nitrate	mg/Kg	< 5.0000	5.0000	U	1.8	10	06/20/2025
Sulfate	mg/Kg	< 30.0000	30.0000	U	8.8	60	06/20/2025
Orthophosphate as P	mg/Kg	< 10.0000	10.0000	U	6.7	20	06/20/2025

Matrix Spike Summary

Client:	G Environmental	SDG No.:	Q2371
Project:	Buff	Sample ID:	Q2371-05
Client ID:	BBX42025MS	Percent Solids for Spike Sample:	86.6

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Bromide	mg/Kg	80-120	239		8.10	U	230	1	104		06/20/2025
Chloride	mg/Kg	80-120	73.9		4.00	U	68.5	1	108		06/20/2025
Fluoride	mg/Kg	80-120	44.6		2.00	U	45.6	1	98		06/20/2025
Nitrite	mg/Kg	80-120	71.1		1.80	U	68.5	1	104		06/20/2025
Nitrate	mg/Kg	80-120	59.4		2.10	U	57.1	1	104		06/20/2025
Sulfate	mg/Kg	80-120	358		15.1	J	340	1	101		06/20/2025
Orthophosphate as P	mg/Kg	80-120	108		7.70	U	110	1	98		06/20/2025

Matrix Spike Summary

Client:	G Environmental	SDG No.:	Q2371
Project:	Buff	Sample ID:	Q2371-05
Client ID:	BBX42025MSD	Percent Solids for Spike Sample:	86.6

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Bromide	mg/Kg	80-120	240		8.10	U	230	1	104		06/20/2025
Chloride	mg/Kg	80-120	73.0		4.00	U	68.6	1	106		06/20/2025
Fluoride	mg/Kg	80-120	44.2		2.00	U	45.7	1	97		06/20/2025
Nitrite	mg/Kg	80-120	71.4		1.80	U	68.6	1	104		06/20/2025
Nitrate	mg/Kg	80-120	59.6		2.10	U	57.2	1	104		06/20/2025
Sulfate	mg/Kg	80-120	360		15.1	J	340	1	101		06/20/2025
Orthophosphate as P	mg/Kg	80-120	105		7.70	U	110	1	96		06/20/2025

Duplicate Sample Summary

Client:	G Environmental	SDG No.:	Q2371
Project:	Buff	Sample ID:	Q2371-05
Client ID:	BBX42025MSD	Percent Solids for Spike Sample:	86.6

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Bromide	mg/Kg	+/-15	239		240		1	0		06/20/2025
Nitrate	mg/Kg	+/-15	59.4		59.6		1	0		06/20/2025
Nitrite	mg/Kg	+/-15	71.1		71.4		1	0		06/20/2025
Chloride	mg/Kg	+/-15	73.9		73.0		1	1		06/20/2025
Fluoride	mg/Kg	+/-15	44.6		44.2		1	1		06/20/2025
Sulfate	mg/Kg	+/-15	358		360		1	1		06/20/2025
Orthophosphate as P	mg/Kg	+/-15	108		105		1	3		06/20/2025

Laboratory Control Sample Summary

Client: G Environmental

SDG No.: Q2371

Project: Buff

Run No.: LB136233

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB136233BSS							
Bromide	mg/Kg	200	204		102	1	90-110	06/20/2025
Chloride	mg/Kg	60	60.8		101	1	90-110	06/20/2025
Fluoride	mg/Kg	40	41.3		103	1	90-110	06/20/2025
Nitrite	mg/Kg	60	61.0		102	1	90-110	06/20/2025
Nitrate	mg/Kg	50	50.6		101	1	90-110	06/20/2025
Sulfate	mg/Kg	300	302		101	1	90-110	06/20/2025
Orthophosphate as P	mg/Kg	100	105		105	1	90-110	06/20/2025

Instrument ID: IC-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB136233

Review By	Iwona	Review On	6/23/2025 4:27:21 PM
Supervise By	Sohil	Supervise On	6/23/2025 4:44:35 PM
SubDirectory	LB136233	Test	Anions
STD. NAME	STD REF.#		
ICAL Standard	WP113186,WP113187,WP113188,WP113189,WP113190,WP113191,WP113192		
ICV Standard	WP113193		
CCV Standard	WP113590		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP113591		
Chk Standard	WP113194,WP113195		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	STD1	STD1	CAL1	05/22/25 11:09	All standards, samples, and	NF/IZ	OK
2	STD2	STD2	CAL2	05/22/25 11:30	QC are filtered through	NF/IZ	OK
3	STD3	STD3	CAL3	05/22/25 11:52	0.45um, filter lot W3160	NF/IZ	OK
4	STD4	STD4	CAL4	05/22/25 12:13		NF/IZ	OK
5	STD5	STD5	CAL5	05/22/25 12:35		NF/IZ	OK
6	STD6	STD6	CAL6	05/22/25 12:56		NF/IZ	OK
7	STD7	STD7	CAL7	05/22/25 13:17		NF/IZ	OK
8	ICV1	ICV1	ICV	05/22/25 13:39		NF/IZ	OK
9	ICB1	ICB1	ICB	05/22/25 14:22		NF/IZ	OK
10	CCV1	CCV1	CCV	06/20/25 10:04		NF/IZ	OK
11	CCB1	CCB1	CCB	06/20/25 10:25		NF/IZ	OK
12	LB136233BLS	LB136233BLS	MB	06/20/25 11:30		NF/IZ	OK
13	Q2371-04	RPXY42025	SAM	06/20/25 11:52		NF/IZ	OK
14	Q2371-05	BBX42025	SAM	06/20/25 12:13		NF/IZ	OK
15	Q2371-05MS	BBX42025MS	MS	06/20/25 12:35	5ml W3092	NF/IZ	OK
16	Q2371-05MSD	BBX42025MSD	MSD	06/20/25 12:56	5ml W3092	NF/IZ	OK
17	LB136233BSS	LB136233BSS	LCS	06/20/25 13:18		NF/IZ	OK
18	CCV2	CCV2	CCV	06/20/25 13:39		NF/IZ	OK

Instrument ID: IC-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB136233

Review By	Iwona	Review On	6/23/2025 4:27:21 PM
Supervise By	Sohil	Supervise On	6/23/2025 4:44:35 PM
SubDirectory	LB136233	Test	Anions
STD. NAME	STD REF.#		
ICAL Standard	WP113186,WP113187,WP113188,WP113189,WP113190,WP113191,WP113192		
ICV Standard	WP113193		
CCV Standard	WP113590		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP113591		
Chk Standard	WP113194,WP113195		

19	CCB2	CCB2	CCB	06/20/25 14:01		NF/IZ	OK
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A
B
C
D
E

LAB CHRONICLE

OrderID: Q2371	OrderDate: 6/19/2025 2:53:00 PM
Client: G Environmental	Project: Buff
Contact: Gary Landis	Location: D51,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2371-04	RPXY42025	SOIL			06/19/25 10:45			06/19/25
			Anions Group1	9056A			06/20/25 11:52	
Q2371-05	BBX42025	SOIL			06/19/25 11:55			06/19/25
			Anions Group1	9056A			06/20/25 12:13	