SAMPLE DATA

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	09/25/25 09:20
Project:	Buffington	Date Received:	09/25/25
Client Sample ID:	RPXY1	SDG No.:	Q3174
Lab Sample ID:	Q3174-01	Matrix:	SOIL
		% Solid:	85.4

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Sulfate	736		1	10.2	69.7	mg/Kg		09/26/25 11:21	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

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Report of Analysis

Client:	G Environmental	Date Collected:	09/25/25 10:00
Project:	Buffington	Date Received:	09/25/25
Client Sample ID:	SBF1	SDG No.:	Q3174
Lab Sample ID:	Q3174-02	Matrix:	SOIL
		% Solid:	86.5

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Sulfate	370		1	10.1	68.8	mg/Kg		09/26/25 12:26	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

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Initial and Continuing Calibration Verification

Client: G Environmental **SDG No.:** Q3174

Project: Buffington **RunNo.:** LB137344

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1						
Bromide	mg/L	10	10	100	90-110	09/09/2025
Chloride	mg/L	3	3	100	90-110	09/09/2025
Fluoride	mg/L	2	2	100	90-110	09/09/2025
Nitrite	mg/L	3	3	100	90-110	09/09/2025
Nitrate	mg/L	2.5	2.5	100	90-110	09/09/2025
Sulfate	mg/L	14.8	15	99	90-110	09/09/2025
Orthophosphate as P	mg/L	5	5	100	90-110	09/09/2025
Sample ID: CCV1						
Bromide	mg/L	10.1	10	101	90-110	09/26/2025
Chloride	mg/L	3	3	100	90-110	09/26/2025
Fluoride	mg/L	2	2	100	90-110	09/26/2025
Nitrite	mg/L	3	3	100	90-110	09/26/2025
Nitrate	mg/L	2.4	2.5	96	90-110	09/26/2025
Sulfate	mg/L	14.8	15	99	90-110	09/26/2025
Orthophosphate as P	mg/L	4.9	5	98	90-110	09/26/2025
Sample ID: CCV2						
Bromide	mg/L	10.1	10	101	90-110	09/26/2025
Chloride	mg/L	3	3	100	90-110	09/26/2025
Fluoride	mg/L	2	2	100	90-110	09/26/2025
Nitrite	mg/L	3	3	100	90-110	09/26/2025
Nitrate	mg/L	2.4	2.5	96	90-110	09/26/2025
Sulfate	mg/L	14.8	15	99	90-110	09/26/2025
Orthophosphate as P	mg/L	5.1	5	102	90-110	09/26/2025

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Initial and Continuing Calibration Blank Summary

Client: G Environmental **SDG No.:** Q3174

Project: Buffington **RunNo.:** LB137344

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	09/09/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	09/09/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	09/09/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	09/09/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	09/09/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	09/09/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	09/09/2025
Sample ID: CCB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	09/26/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	09/26/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	09/26/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	09/26/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	09/26/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	09/26/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	09/26/2025
Sample ID: CCB2							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	09/26/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	09/26/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	09/26/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	09/26/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	09/26/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	09/26/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	09/26/2025

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Preparation Blank Summary

Client: G Environmental **SDG No.:** Q3174

Project: Buffington

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID:	**LB137344BLS**						
Bromide	mg/Kg	< 20.0000	20.0000	U	7	40	09/26/2025
Chloride	mg/Kg	< 6.0000	6.0000	U	3.5	12	09/26/2025
Fluoride	mg/Kg	< 4.0000	4.0000	U	1.8	8	09/26/2025
Nitrite	mg/Kg	< 6.0000	6.0000	U	1.5	12	09/26/2025
Nitrate	mg/Kg	< 5.0000	5.0000	U	1.8	10	09/26/2025
Sulfate	mg/Kg	< 30.0000	30.0000	U	8.8	60	09/26/2025
Orthophosphate as P	mg/Kg	< 10.0000	10.0000	U	6.7	20	09/26/2025

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Matrix Spike Summary

Client: G Environmental
Project: Buffington
Client ID: RPXY1MS

SDG No.: Q3174
Sample ID: Q3174-01
Percent Solids for Spike Sample: 85.4

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	231		8.20	U	230	1	100		09/26/2025
Chloride	mg/Kg	80-120	69.7		4.00	U	69.8	1	100		09/26/2025
Fluoride	mg/Kg	80-120	6.20	J	2.00	U	46.6	1	13	*	09/26/2025
Nitrite	mg/Kg	80-120	68.7		1.80	U	69.8	1	98		09/26/2025
Nitrate	mg/Kg	80-120	56.8		2.10	U	58.2	1	98		09/26/2025
Sulfate	mg/Kg	80-120	1120	OR	736		350	1	110		09/26/2025
Orthophosphate as P	mg/Kg	80-120	7.80	U	7.80	U	120	1	0	*	09/26/2025

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Matrix Spike Summary

Client: G Environmental
Project: Buffington
Client ID: RPXY1MSD

SDG No.: Q3174
Sample ID: Q3174-01
Percent Solids for Spike Sample: 85.4

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	230		8.20	U	230	1	100		09/26/2025
Chloride	mg/Kg	80-120	70.4		4.00	U	69.6	1	101		09/26/2025
Fluoride	mg/Kg	80-120	32.8		2.00	U	46.4	1	71	*	09/26/2025
Nitrite	mg/Kg	80-120	68.3		1.80	U	69.6	1	98		09/26/2025
Nitrate	mg/Kg	80-120	56.6		2.10	U	58	1	98		09/26/2025
Sulfate	mg/Kg	80-120	1110	OR	736		350	1	107		09/26/2025
Orthophosphate as P	mg/Kg	80-120	74.1		7.80	U	120	1	62	*	09/26/2025

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Duplicate Sample Summary

Client: G Environmental
Project: Buffington
Client ID: RPXY1MSD
SDG No.: Q3174
Sample ID: Q3174-01
Percent Solids for Spike Sample: 85.4

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Bromide	mg/Kg	+/-15	231		230		1	0		09/26/2025
Nitrate	mg/Kg	+/-15	56.8		56.6		1	0		09/26/2025
Chloride	mg/Kg	+/-15	69.7		70.4		1	1		09/26/2025
Nitrite	mg/Kg	+/-15	68.7		68.3		1	1		09/26/2025
Sulfate	mg/Kg	+/-15	1120	OR	1110	OR	1	1		09/26/2025
Fluoride	mg/Kg	+/-15	6.20	J	32.8		1	136	*	09/26/2025
Orthophosphate as P	mg/Kg	+/-15	7.80	U	74.1		1	175	*	09/26/2025

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Laboratory Control Sample Summary

Client: G Environmental **SDG No.:** Q3174

Project: Buffington **Run No.:** LB137344

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB137344BSS								
Bromide	mg/Kg	200	202		101	1	90-110	09/26/2025
Chloride	mg/Kg	60	59.2		99	1	90-110	09/26/2025
Fluoride	mg/Kg	40	40.6		102	1	90-110	09/26/2025
Nitrite	mg/Kg	60	60.3		100	1	90-110	09/26/2025
Nitrate	mg/Kg	50	48.8		98	1	90-110	09/26/2025
Sulfate	mg/Kg	300	296		99	1	90-110	09/26/2025
Orthophosphate as P	mg/Kg	100	98.5		98	1	90-110	09/26/2025

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Instrument ID: IC-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB137344

Review By	rubina	Review On	10/1/2025 10:00:10 AM
Supervise By	Iwona	Supervise On	10/2/2025 9:24:47 AM
SubDirectory	LB137344	Test	Anions

STD. NAME	STD REF.#
ICAL Standard	WP114677,WP114678,WP114679,WP114680,WP114681,WP114682,WP114683
ICV Standard	WP114684
CCV Standard	WP114932
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP114933
Chk Standard	WP114685,WP114686

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	STD1	STD1	CAL1	09/09/25 10:21	All standards, samples, and	RM/IZ	OK
2	STD2	STD2	CAL2	09/09/25 10:42	QC are filtered through	RM/IZ	OK
3	STD3	STD3	CAL3	09/09/25 11:25	0.45um, filter lot W3160	RM/IZ	OK
4	STD4	STD4	CAL4	09/09/25 11:47		RM/IZ	OK
5	STD5	STD5	CAL5	09/09/25 13:36		RM/IZ	OK
6	STD6	STD6	CAL6	09/09/25 13:58		RM/IZ	OK
7	STD7	STD7	CAL7	09/09/25 14:41		RM/IZ	OK
8	ICV1	ICV1	ICV	09/09/25 15:02		RM/IZ	OK
9	ICB1	ICB1	ICB	09/09/25 15:45		RM/IZ	OK
10	CCV1	CCV1	CCV	09/26/25 09:22		RM/IZ	OK
11	CCB1	CCB1	CCB	09/26/25 09:44		RM/IZ	OK
12	LB137344BLS	LB137344BLS	MB	09/26/25 10:05		RM/IZ	OK
13	LB137344BSS	LB137344BSS	LCS	09/26/25 10:27		RM/IZ	OK
14	Q3174-01	RPXY1	SAM	09/26/25 11:21		RM/IZ	OK
15	Q3174-01MS	RPXY1MS	MS	09/26/25 11:43	5ml W3096	RM/IZ	OK
16	Q3174-01MSD	RPXY1MSD	MSD	09/26/25 12:04	5ml W3096	RM/IZ	OK
17	Q3174-02	SBF1	SAM	09/26/25 12:26		RM/IZ	OK
18	CCV2	CCV2	CCV	09/26/25 12:48		RM/IZ	OK

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Instrument ID: IC-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB137344

Review By	rubina	Review On	10/1/2025 10:00:10 AM
Supervise By	lwona	Supervise On	10/2/2025 9:24:47 AM
SubDirectory	LB137344	Test	Anions

STD. NAME	STD REF.#
ICAL Standard	WP114677,WP114678,WP114679,WP114680,WP114681,WP114682,WP114683
ICV Standard	WP114684
CCV Standard	WP114932
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP114933
Chk Standard	WP114685,WP114686

19	CCB2	CCB2	CCB	09/26/25 13:09		RM/IZ	OK

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LAB CHRONICLE

OrderID:	Q3174	**OrderDate:**	9/24/2025 9:56:00 AM
Client:	G Environmental	**Project:**	Buffington
Contact:	Gary Landis	**Location:**	J33,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3174-01	**RPXY1**	**SOIL**			**09/25/25 09:20**			**09/25/25**
			Anions Group1	9056A			09/26/25 11:21	
Q3174-02	**SBF1**	**SOIL**			**09/25/25 10:00**			**09/25/25**
			Anions Group1	9056A			09/26/25 12:26	