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:	11/25/25 09:30
Project:	Buff	Date Received:	11/26/25
Client Sample ID:	MW3	SDG No.:	Q3737
Lab Sample ID:	Q3737-01	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Alkalinity	268		1	1.00	2.00	mg/L		12/03/25 10:44	SM 2320 B-21
Sulfate	128	OR	1	0.46	3.00	mg/L		12/02/25 12:31	300.0

Comments: The alkalinity to pH 4.40=268 mg CaCO3/L

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:	11/25/25 09:30
Project:	Buff	Date Received:	11/26/25
Client Sample ID:	MW3DL	SDG No.:	Q3737
Lab Sample ID:	Q3737-01DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Sulfate	110	D	10	4.60	30.0	mg/L		12/02/25 14:05	300.0

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:	11/25/25 10:05
Project:	Buff	Date Received:	11/26/25
Client Sample ID:	MW4	SDG No.:	Q3737
Lab Sample ID:	Q3737-02	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Alkalinity	31.6		1	1.00	2.00	mg/L		12/03/25 10:53	SM 2320 B-21
Sulfate	1210	OR	1	0.46	3.00	mg/L		12/02/25 12:58	300.0

Comments: The alkalinity to pH 4.43=31.6 mg CaCO3/L

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:	11/25/25 10:05
Project:	Buff	Date Received:	11/26/25
Client Sample ID:	MW4DL	SDG No.:	Q3737
Lab Sample ID:	Q3737-02DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Sulfate	824	D	50	23.0	150	mg/L		12/02/25 14:26	300.0

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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Initial and Continuing Calibration Verification

Client: G Environmental **SDG No.:** Q3737

Project: Buff **RunNo.:** LB138084

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: **ICV1**						
Bromide	mg/L	10.1	10	101	90-110	12/01/2025
Chloride	mg/L	3	3	100	90-110	12/01/2025
Fluoride	mg/L	2	2	100	90-110	12/01/2025
Nitrite	mg/L	3	3	100	90-110	12/01/2025
Nitrate	mg/L	2.5	2.5	100	90-110	12/01/2025
Sulfate	mg/L	14.9	15	99	90-110	12/01/2025
Orthophosphate as P	mg/L	5.4	5	108	90-110	12/01/2025
Sample ID: **CCV1**						
Bromide	mg/L	10.5	10	105	90-110	12/02/2025
Chloride	mg/L	3.1	3	103	90-110	12/02/2025
Fluoride	mg/L	2.1	2	105	90-110	12/02/2025
Nitrite	mg/L	3.1	3	103	90-110	12/02/2025
Nitrate	mg/L	2.6	2.5	104	90-110	12/02/2025
Sulfate	mg/L	15.5	15	103	90-110	12/02/2025
Orthophosphate as P	mg/L	5.1	5	102	90-110	12/02/2025
Sample ID: **CCV2**						
Bromide	mg/L	10.6	10	106	90-110	12/02/2025
Chloride	mg/L	3.2	3	107	90-110	12/02/2025
Fluoride	mg/L	2.1	2	105	90-110	12/02/2025
Nitrite	mg/L	3.2	3	107	90-110	12/02/2025
Nitrate	mg/L	2.6	2.5	104	90-110	12/02/2025
Sulfate	mg/L	15.5	15	103	90-110	12/02/2025
Orthophosphate as P	mg/L	5.8	5	116	90-110	12/02/2025

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Initial and Continuing Calibration Blank Summary

Client: G Environmental **SDG No.:** Q3737

Project: Buff **RunNo.:** LB138084

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	12/01/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	12/01/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	12/01/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	12/01/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	12/01/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	12/01/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	12/01/2025
Sample ID: CCB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	12/02/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	12/02/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	12/02/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	12/02/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	12/02/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	12/02/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	12/02/2025
Sample ID: CCB2							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	12/02/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	12/02/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	12/02/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	12/02/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	12/02/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	12/02/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	12/02/2025

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Preparation Blank Summary

Client: G Environmental **SDG No.:** Q3737

Project: Buff

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB138084BLW							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	12/02/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	12/02/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	12/02/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	12/02/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	12/02/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	12/02/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	12/02/2025
Sample ID: LB138090BLW							
Alkalinity	mg/L	< 1.0000	1.0000	U	1	2	12/03/2025

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Matrix Spike Summary

Client: G Environmental
SDG No.: Q3737
Project: Buff
Sample ID: Q3737-02
Client ID: MW4MS
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Bromide	mg/L	80-120	10.9		0.40	J	10	1	105		12/02/2025
Chloride	mg/L	80-120	19.6	OR	15.8	OR	3	1	127	*	12/02/2025
Fluoride	mg/L	80-120	2.30		0.11	U	2	1	115		12/02/2025
Nitrite	mg/L	80-120	3.40		412	OR	3	1	-13620	*	12/02/2025
Nitrate	mg/L	80-120	3.80		1.20		2.5	1	104		12/02/2025
Sulfate	mg/L	80-120	1180	OR	1210	OR	15	1	-200	*	12/02/2025
Orthophosphate as P	mg/L	80-120	5.40		0.34	U	5	1	108		12/02/2025

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Matrix Spike Summary

Client: G Environmental
Project: Buff
Client ID: MW4MSD

SDG No.: Q3737
Sample ID: Q3737-02
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Bromide	mg/L	80-120	10.5		0.40	J	10	1	101		12/02/2025
Chloride	mg/L	80-120	19.5	OR	15.8	OR	3	1	123	*	12/02/2025
Fluoride	mg/L	80-120	2.30		0.11	U	2	1	115		12/02/2025
Nitrite	mg/L	80-120	3.30		412	OR	3	1	-13623	*	12/02/2025
Nitrate	mg/L	80-120	3.70		1.20		2.5	1	100		12/02/2025
Sulfate	mg/L	80-120	1160	OR	1210	OR	15	1	-333	*	12/02/2025
Orthophosphate as P	mg/L	80-120	5.70		0.34	U	5	1	114		12/02/2025

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Duplicate Sample Summary

Client: G Environmental
Project: Buff
Client ID: MW3DUP

SDG No.: Q3737
Sample ID: Q3737-01
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Alkalinity	mg/L	+/-20	268		267		1	0		12/03/2025

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Duplicate Sample Summary

Client: G Environmental
Project: Buff
Client ID: MW4MSD

SDG No.: Q3737
Sample ID: Q3737-02
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Fluoride	mg/L	+/-20	2.30		2.30		1	0		12/02/2025
Chloride	mg/L	+/-20	19.6	OR	19.5	OR	1	1		12/02/2025
Sulfate	mg/L	+/-20	1180	OR	1160	OR	1	2		12/02/2025
Nitrate	mg/L	+/-20	3.80		3.70		1	3		12/02/2025
Nitrite	mg/L	+/-20	3.40		3.30		1	3		12/02/2025
Bromide	mg/L	+/-20	10.9		10.5		1	4		12/02/2025
Orthophosphate as P	mg/L	+/-20	5.40		5.70		1	5		12/02/2025

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Laboratory Control Sample Summary

Client: G Environmental **SDG No.:** Q3737

Project: Buff **Run No.:** LB138084

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB138084BSW								
Bromide	mg/L	10	10.7		107	1	90-110	12/02/2025
Chloride	mg/L	3	3.20		107	1	90-110	12/02/2025
Fluoride	mg/L	2	2.10		105	1	90-110	12/02/2025
Nitrite	mg/L	3	3.20		107	1	90-110	12/02/2025
Nitrate	mg/L	2.5	2.70		108	1	90-110	12/02/2025
Sulfate	mg/L	15	16.1		107	1	90-110	12/02/2025
Orthophosphate as P	mg/L	5	5.50		110	1	90-110	12/02/2025

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Laboratory Control Sample Summary

Client: G Environmental **SDG No.:** Q3737

Project: Buff **Run No.:** LB138090

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB138090BSW								
Alkalinity	mg/L	50	46.8		94	1	80-120	12/03/2025

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Instrument ID: IC-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB138084

Review By	rubina	Review On	12/3/2025 12:15:39 PM
Supervise By	Iwona	Supervise On	12/3/2025 12:54:42 PM
SubDirectory	LB138084	Test	Anions

STD. NAME	STD REF.#
ICAL Standard	WP115865,WP115866,WP115867,WP115868,WP115869,WP115870,WP115871
ICV Standard	WP115872
CCV Standard	WP115878
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP115879
Chk Standard	WP115873,WP115874

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	STD1	STD1	CAL1	12/01/25 11:48	All standards, samples, and	RM/IZ	OK
2	STD2	STD2	CAL2	12/01/25 12:09	QC are filtered through	RM/IZ	OK
3	STD3	STD3	CAL3	12/01/25 12:52	0.45um, filter lot W3160	RM/IZ	OK
4	STD4	STD4	CAL4	12/01/25 13:13		RM/IZ	OK
5	STD5	STD5	CAL5	12/01/25 13:35		RM/IZ	OK
6	STD6	STD6	CAL6	12/01/25 13:57		RM/IZ	OK
7	STD7	STD7	CAL7	12/01/25 14:18		RM/IZ	OK
8	ICV1	ICV1	ICV	12/01/25 14:40		RM/IZ	OK
9	ICB1	ICB1	ICB	12/01/25 14:58		RM/IZ	OK
10	CCV1	CCV1	CCV	12/02/25 11:05		RM/IZ	OK
11	CCB1	CCB1	CCB	12/02/25 11:26		RM/IZ	OK
12	LB138084BLW	LB138084BLW	MB	12/02/25 11:48		RM/IZ	OK
13	LB138084BSW	LB138084BSW	LCS	12/02/25 12:09		RM/IZ	OK
14	Q3737-01	MW3	SAM	12/02/25 12:31	SO4 high	RM/IZ	Dilution
15	Q3737-02	MW4	SAM	12/02/25 12:58	SO4 high	RM/IZ	Dilution
16	Q3737-02MS	MW4MS	MS	12/02/25 13:21	9.5ml of sample, 0.5mL W3092	RM/IZ	OK
17	Q3737-02MSD	MW4MSD	MSD	12/02/25 13:43	9.5ml of sample, 0.5mL W3092	RM/IZ	OK
18	Q3737-01DL	MW3DL	SAM	12/02/25 14:05	10X for SO4	RM/IZ	Confirms

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Instrument ID: IC-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB138084

Review By	rubina	Review On	12/3/2025 12:15:39 PM
Supervise By	lwona	Supervise On	12/3/2025 12:54:42 PM
SubDirectory	LB138084	Test	Anions

STD. NAME	STD REF.#
ICAL Standard	WP115865,WP115866,WP115867,WP115868,WP115869,WP115870,WP115871
ICV Standard	WP115872
CCV Standard	WP115878
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP115879
Chk Standard	WP115873,WP115874

19	Q3737-02DL	MW4DL	SAM	12/02/25 14:26	50X for SO4	RM/IZ	Confirms
20	CCV2	CCV2	CCV	12/02/25 14:48		RM/IZ	OK
21	CCB2	CCB2	CCB	12/02/25 15:09		RM/IZ	OK

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Instrument ID: TITRATOR

Daily Analysis Runlog For Sequence/QCBatch ID # LB138090

Review By	rubina	Review On	12/3/2025 4:56:22 PM
Supervise By	Iwona	Supervise On	12/4/2025 2:16:21 PM
SubDirectory	LB138090	Test	Alkalinity

STD. NAME	STD REF.#
ICAL Standard	N/A
ICV Standard	N/A
CCV Standard	N/A
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP115894
Chk Standard	W3217,W3178,W3150

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	LB138090BLW	LB138090BLW	MB	12/03/25 10:32	pH=4.42	Iwona	OK
2	LB138090BSW	LB138090BSW	LCS	12/03/25 10:36	pH=4.36	Iwona	OK
3	Q3737-01	MW3	SAM	12/03/25 10:44	pH=4.40	Iwona	OK
4	Q3737-01DUP	MW3DUP	DUP	12/03/25 10:49	pH=4.38	Iwona	OK
5	Q3737-02	MW4	SAM	12/03/25 10:53	pH=4.43	Iwona	OK

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LAB CHRONICLE

OrderID:	Q3737	**OrderDate:**	11/26/2025 4:01:00 PM
Client:	G Environmental	**Project:**	Buff
Contact:	Gary Landis	**Location:**	--Select--,A11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3737-01	**MW3**	**WATER**			**11/25/25 09:30**			**11/26/25**
			Alkalinity	SM2320 B			12/03/25 10:44	
			Anions Group1	300.0			12/02/25 12:31	
Q3737-01DL	**MW3DL**	**WATER**			**11/25/25 09:30**			**11/26/25**
			Anions Group1	300.0			12/02/25 14:05	
Q3737-02	**MW4**	**WATER**			**11/25/25 10:05**			**11/26/25**
			Alkalinity	SM2320 B			12/03/25 10:53	
			Anions Group1	300.0			12/02/25 12:58	
Q3737-02DL	**MW4DL**	**WATER**			**11/25/25 10:05**			**11/26/25**
			Anions Group1	300.0			12/02/25 14:26	