



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Hit Summary Sheet
SW-846

SDG No.: Q2371 **Order ID:** Q2371
Client: G Environmental **Project ID:** Buff

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : RPXY42025								
Q2371-04	RPXY42025	SOIL	Iron	11000		3.96	4.97	mg/Kg
Q2371-04	RPXY42025	SOIL	Manganese	253		0.14	0.99	mg/Kg
Q2371-04	RPXY42025	SOIL	Sodium	403		17.7	99.3	mg/Kg
Client ID : BBX42025								
Q2371-05	BBX42025	SOIL	Iron	11900		4.01	5.02	mg/Kg
Q2371-05	BBX42025	SOIL	Manganese	185		0.14	1.00	mg/Kg
Q2371-05	BBX42025	SOIL	Sodium	50.8	J	17.9	100	mg/Kg



SAMPLE DATA

Report of Analysis

Client:	G Environmental	Date Collected:	06/19/25
Project:	Buff	Date Received:	06/19/25
Client Sample ID:	RPHY42025	SDG No.:	Q2371
Lab Sample ID:	Q2371-04	Matrix:	SOIL
Level (low/med):	low	% Solid:	89.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7439-89-6	Iron	11000		1	3.96	4.97	mg/Kg	06/20/25 10:05	06/23/25 17:41	6010D	SW3050
7439-96-5	Manganese	253	N*	1	0.14	0.99	mg/Kg	06/20/25 10:05	06/23/25 17:41	6010D	SW3050
7440-23-5	Sodium	403	N	1	17.7	99.3	mg/Kg	06/20/25 10:05	06/23/25 17:41	6010D	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
Comments:	Metals Group4			

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

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
Project:	Buff	Date Received:	06/19/25
Client Sample ID:	BBX42025	SDG No.:	Q2371
Lab Sample ID:	Q2371-05	Matrix:	SOIL
Level (low/med):	low	% Solid:	86.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7439-89-6	Iron	11900		1	4.01	5.02	mg/Kg	06/20/25 10:05	06/23/25 17:54	6010D	SW3050
7439-96-5	Manganese	185	N*	1	0.14	1.00	mg/Kg	06/20/25 10:05	06/23/25 17:54	6010D	SW3050
7440-23-5	Sodium	50.8	JN	1	17.9	100	mg/Kg	06/20/25 10:05	06/23/25 17:54	6010D	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
Comments:	Metals Group4			

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

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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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:	G Environmental				SDG No.:	Q2371					
Contract:	GENV01		Lab Code:	CHEM		Case No.:	Q2371		SAS No.:	Q2371	
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number		
ICB01	Iron	23.4	+/-50	U	100	P	06/23/2025	13:19	LB136236		
	Manganese	5.94	+/-10	U	20.0	P	06/23/2025	13:19	LB136236		
	Sodium	868	+/-1000	U	2000	P	06/23/2025	13:19	LB136236		

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental		SDG No.: Q2371							
Contract: GENV01	Lab Code: CHEM	Case No.: Q2371	SAS No.: Q2371						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Iron	23.4	+/-50	U	100	P	06/23/2025	14:05	LB136236
	Manganese	5.94	+/-10	U	20.0	P	06/23/2025	14:05	LB136236
	Sodium	868	+/-1000	U	2000	P	06/23/2025	14:05	LB136236
CCB02	Iron	23.4	+/-50	U	100	P	06/23/2025	14:58	LB136236
	Manganese	5.94	+/-10	U	20.0	P	06/23/2025	14:58	LB136236
	Sodium	868	+/-1000	U	2000	P	06/23/2025	14:58	LB136236
CCB03	Iron	23.4	+/-50	U	100	P	06/23/2025	15:52	LB136236
	Manganese	5.94	+/-10	U	20.0	P	06/23/2025	15:52	LB136236
	Sodium	868	+/-1000	U	2000	P	06/23/2025	15:52	LB136236
CCB04	Iron	23.4	+/-50	U	100	P	06/23/2025	16:56	LB136236
	Manganese	5.94	+/-10	U	20.0	P	06/23/2025	16:56	LB136236
	Sodium	868	+/-1000	U	2000	P	06/23/2025	16:56	LB136236
CCB05	Iron	23.4	+/-50	U	100	P	06/23/2025	17:49	LB136236
	Manganese	5.94	+/-10	U	20.0	P	06/23/2025	17:49	LB136236
	Sodium	868	+/-1000	U	2000	P	06/23/2025	17:49	LB136236
CCB06	Iron	23.4	+/-50	U	100	P	06/23/2025	18:43	LB136236
	Manganese	5.94	+/-10	U	20.0	P	06/23/2025	18:43	LB136236
	Sodium	868	+/-1000	U	2000	P	06/23/2025	18:43	LB136236
CCB07	Iron	23.4	+/-50	U	100	P	06/23/2025	19:28	LB136236
	Manganese	5.94	+/-10	U	20.0	P	06/23/2025	19:28	LB136236
	Sodium	868	+/-1000	U	2000	P	06/23/2025	19:28	LB136236

Metals
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PREPARATION BLANK SUMMARY

Client: G Environmental

SDG No.: Q2371

Instrument: P5

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB168564BL	SOLID			Batch Number:	PB168564		Prep Date:	06/20/2025	
	Iron	3.99	<2.5	U	5.00	P	06/23/2025	15:11	LB136236
	Manganese	0.14	<0.5	U	1.00	P	06/23/2025	15:11	LB136236
	Sodium	17.8	<50	U	100	P	06/23/2025	15:11	LB136236



METAL CALIBRATION DATA

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q2371
Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q2371 **SAS No.:** Q2371
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Iron	3920	4000	98	90 - 110	P	06/23/2025	12:34	LB136236
	Manganese	1960	2000	98	90 - 110	P	06/23/2025	12:34	LB136236
	Sodium	20000	20000	100	90 - 110	P	06/23/2025	12:34	LB136236

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q2371
Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q2371 **SAS No.:** Q2371
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Iron	102	100	102	80 - 120	P	06/23/2025	13:09	LB136236
	Manganese	20.2	20.0	101	80 - 120	P	06/23/2025	13:09	LB136236
	Sodium	1890	2000	94	80 - 120	P	06/23/2025	13:09	LB136236

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q2371
Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q2371 **SAS No.:** Q2371
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Iron	4900	5000	98	90 - 110	P	06/23/2025	13:56	LB136236
	Manganese	2450	2500	98	90 - 110	P	06/23/2025	13:56	LB136236
	Sodium	24500	25000	98	90 - 110	P	06/23/2025	13:56	LB136236
CCV02	Iron	4910	5000	98	90 - 110	P	06/23/2025	14:54	LB136236
	Manganese	2470	2500	99	90 - 110	P	06/23/2025	14:54	LB136236
	Sodium	24100	25000	96	90 - 110	P	06/23/2025	14:54	LB136236
CCV03	Iron	4960	5000	99	90 - 110	P	06/23/2025	15:47	LB136236
	Manganese	2500	2500	100	90 - 110	P	06/23/2025	15:47	LB136236
	Sodium	24700	25000	99	90 - 110	P	06/23/2025	15:47	LB136236
CCV04	Iron	4900	5000	98	90 - 110	P	06/23/2025	16:51	LB136236
	Manganese	2490	2500	100	90 - 110	P	06/23/2025	16:51	LB136236
	Sodium	24800	25000	99	90 - 110	P	06/23/2025	16:51	LB136236
CCV05	Iron	4880	5000	98	90 - 110	P	06/23/2025	17:45	LB136236
	Manganese	2470	2500	99	90 - 110	P	06/23/2025	17:45	LB136236
	Sodium	25000	25000	100	90 - 110	P	06/23/2025	17:45	LB136236
CCV06	Iron	4860	5000	97	90 - 110	P	06/23/2025	18:39	LB136236
	Manganese	2450	2500	98	90 - 110	P	06/23/2025	18:39	LB136236
	Sodium	25000	25000	100	90 - 110	P	06/23/2025	18:39	LB136236
CCV07	Iron	4880	5000	98	90 - 110	P	06/23/2025	19:24	LB136236
	Manganese	2440	2500	98	90 - 110	P	06/23/2025	19:24	LB136236
	Sodium	25300	25000	101	90 - 110	P	06/23/2025	19:24	LB136236



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Metals

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CRDL STANDARD FOR AA & ICP

Client: G Environmental **SDG No.:** Q2371
Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q2371 **SAS No.:** Q2371
Initial Calibration Source: _____
Continuing Calibration Source: _____

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Iron	94.8	100	95	65 - 135	P	06/23/2025	13:23	LB136236
	Manganese	20.4	20.0	102	65 - 135	P	06/23/2025	13:23	LB136236
	Sodium	1870	2000	93	65 - 135	P	06/23/2025	13:23	LB136236

Metals
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INTERFERENCE CHECK SAMPLE

Client: <u>G Environmental</u>	SDG No.: <u>Q2371</u>
Contract: <u>GENV01</u> Lab Code: <u>CHEM</u>	Case No.: <u>Q2371</u> SAS No.: <u>Q2371</u>
ICS Source: <u>EPA</u>	Instrument ID: <u>P5</u>

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Iron	98400	100000	98	85600	116500	06/23/2025	13:27	LB136236
	Manganese	4.76	7.0	68	-13	27	06/23/2025	13:27	LB136236
	Sodium	196			0	0	06/23/2025	13:27	LB136236
ICSAB01	Iron	96200	99000	97	84400	114500	06/23/2025	13:43	LB136236
	Manganese	486	510	95	430	584	06/23/2025	13:43	LB136236
	Sodium	192			0	0	06/23/2025	13:43	LB136236



METAL QC DATA

metals
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MATRIX SPIKE SUMMARY

client: <u>G Environmental</u>	level: <u>low</u>	sdg no.: <u>Q2371</u>
contract: <u>GENV01</u>	lab code: <u>CHEM</u>	case no.: <u>Q2371</u> sas no.: <u>Q2371</u>
matrix: <u>Solid</u>	sample id: <u>Q2364-02</u>	client id: <u>GAV1BMS</u>
Percent Solids for Sample: 85.5	Spiked ID: Q2364-02MS	Percent Solids for Spike Sample: 85.5

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Iron	mg/Kg	75 - 125	4830		5660		150	-544		P
Manganese	mg/Kg	75 - 125	36.7		40.5		10.3	-36	N	P
Sodium	mg/Kg	75 - 125	213		111		150	66	N	P

metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: <u>G Environmental</u>	level: <u>low</u>	sdg no.: <u>Q2371</u>
contract: <u>GENV01</u>	lab code: <u>CHEM</u>	case no.: <u>Q2371</u> sas no.: <u>Q2371</u>
matrix: <u>Solid</u>	sample id: <u>Q2364-02</u>	client id: <u>GAV1BMSD</u>
Percent Solids for Sample: 85.5	Spiked ID: Q2364-02MSD	Percent Solids for Spike Sample: 85.5

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Iron	mg/Kg	75 - 125	4990		5660		150	-463		P
Manganese	mg/Kg	75 - 125	39.7		40.5		9.7	-8		P
Sodium	mg/Kg	75 - 125	200		111		150	61	N	P

Metals
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POST DIGEST SPIKE SUMMARY

Client: <u>G Environmental</u>	SDG No.: <u>Q2371</u>	
Contract: <u>GENV01</u>	Lab Code: <u>CHEM</u>	Case No.: <u>Q2371</u> SAS No.: <u>Q2371</u>
Matrix: <u>Solid</u>	Level: <u>LOW</u>	Client ID: <u>GAV1BA</u>
Sample ID: <u>Q2364-02</u>	Spiked ID: <u>Q2364-02A</u>	

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Manganese	mg/Kg	75 - 125	48.0		40.5		10.4	73	N	P
Sodium	mg/Kg	75 - 125	233		111		160	76		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>G Environmental</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q2371</u>
Contract:	<u>GENV01</u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>Q2371</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>Q2364-02</u>	Client ID:	<u>GAV1BDUP</u>
Percent Solids for Sample:	85.5	Duplicate ID	Q2364-02DUP	Percent Solids for Spike Sample:	85.5

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Iron	mg/Kg	20	5660		4870		15		P
Manganese	mg/Kg	20	40.5		31.8		24	*	P
Sodium	mg/Kg	20	111		70.0	J	45		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>G Environmental</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q2371</u>
Contract:	<u>GENV01</u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>Q2371</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>Q2364-02MS</u>	Client ID:	<u>GAV1BMSD</u>
Percent Solids for Sample:	85.5	Duplicate ID	Q2364-02MSD	Percent Solids for Spike Sample:	85.5

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Iron	mg/Kg	20	4830		4990		3		P
Manganese	mg/Kg	20	36.7		39.7		8		P
Sodium	mg/Kg	20	213		200		6		P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: G Environmental

SDG No.: Q2371

Contract: GENV01

Lab Code: CHEM

Case No.: Q2371

SAS No.: Q2371

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168564BS							
Iron	mg/Kg	150	155		103	80 - 120	P
Manganese	mg/Kg	10.0	10.2		102	80 - 120	P
Sodium	mg/Kg	150	142		95	80 - 120	P

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

GAV1BL

Lab Name: Chemtech Consulting Group

Contract: GENV01

Lab Code: CHEM **Lb No.:** lb136236 **Lab Sample ID :** Q2364-02L **SDG No.:** Q2371

Matrix (soil/water): Solid **Level (low/med):** LOW

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Difference	Q	M
		C		C			
Iron		5660		6200	10		P
Manganese		40.5		44.7	11		P
Sodium		111		123	11		P

metals
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ANALYSIS RUN LOG

Client: G Environmental **Contract:** GENV01

Lab code: CHEM **Case no.:** Q2371 **Sas no.:** Q2371 **Sdg no.:** Q2371

Instrument id number: **Method:** **Run number:** LB136236

Start date: 06/23/2025 **End date:** 06/23/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1153	Fe,Mn,Na
S1	S1	1	1158	Fe,Mn,Na
S2	S2	1	1202	Fe,Mn,Na
S3	S3	1	1207	Fe,Mn,Na
S4	S4	1	1211	Fe,Mn,Na
S5	S5	1	1215	Fe,Mn,Na
ICV01	ICV01	1	1234	Fe,Mn,Na
LLICV01	LLICV01	1	1309	Fe,Mn,Na
ICB01	ICB01	1	1319	Fe,Mn,Na
CRI01	CRI01	1	1323	Fe,Mn,Na
ICSA01	ICSA01	1	1327	Fe,Mn,Na
ICSAB01	ICSAB01	1	1343	Fe,Mn,Na
CCV01	CCV01	1	1356	Fe,Mn,Na
CCB01	CCB01	1	1405	Fe,Mn,Na
CCV02	CCV02	1	1454	Fe,Mn,Na
CCB02	CCB02	1	1458	Fe,Mn,Na
PB168564BL	PB168564BL	1	1511	Fe,Mn,Na
PB168564BS	PB168564BS	1	1516	Fe,Mn,Na
CCV03	CCV03	1	1547	Fe,Mn,Na
CCB03	CCB03	1	1552	Fe,Mn,Na
CCV04	CCV04	1	1651	Fe,Mn,Na
CCB04	CCB04	1	1656	Fe,Mn,Na
Q2364-02DUP	GAV1BDUP	1	1701	Fe,Mn,Na
Q2364-02L	GAV1BL	5	1706	Fe,Mn,Na
Q2364-02MS	GAV1BMS	1	1710	Fe,Mn,Na
Q2364-02MSD	GAV1BMSD	1	1714	Fe,Mn,Na
Q2364-02A	GAV1BA	1	1719	Mn,Na
Q2371-04	RPXY42025	1	1741	Fe,Mn,Na
CCV05	CCV05	1	1745	Fe,Mn,Na
CCB05	CCB05	1	1749	Fe,Mn,Na
Q2371-05	BBX42025	1	1754	Fe,Mn,Na
CCV06	CCV06	1	1839	Fe,Mn,Na
CCB06	CCB06	1	1843	Fe,Mn,Na
CCV07	CCV07	1	1924	Fe,Mn,Na
CCB07	CCB07	1	1928	Fe,Mn,Na



METAL PREPARATION & INSTRUMENT DATA

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental

SDG No.: Q2371

Contract: GENV01

Lab Code: CHEM

Case No.: Q2371

SAS No.: Q2371

Instrument ID: _____

Date: _____

Interement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement Correction Factors For:				
		Al	Ca	Fe	Mg	Ag
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental

SDG No.: Q2371

Contract: GENV01

Lab Code: CHEM

Case No.: Q2371

SAS No.: Q2371

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		As	Ba	Be	Cd	Co
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental

SDG No.: Q2371

Contract: GENV01

Lab Code: CHEM

Case No.: Q2371

SAS No.: Q2371

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement Correction Factors For:				
		Cr	Cu	K	Mn	Mo
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMEN CORRECTION FACTORS

Client: G Environmental

SDG No.: Q2371

Contract: GENV01

Lab Code: CHEM

Case No.: Q2371

SAS No.: Q2371

Instrument ID: _____

Date: _____

Interement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement Correction Factors For:				
		Na	Ni	Pb	Sb	Se
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental

SDG No.: Q2371

Contract: GENV01

Lab Code: CHEM

Case No.: Q2371

SAS No.: Q2371

Instrument ID: _____

Date: _____

Interement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement Correction Factors For:				
		Sn	Ti	Tl	V	Zn
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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	Metals Group4	6010D	06/19/25	06/20/25	06/23/25	06/19/25
Q2371-05	BBX42025	SOIL	Metals Group4	6010D	06/19/25	06/20/25	06/23/25	06/19/25



METAL PREPARATION & ANALYICAL SUMMARY

Metals
- 13 -

SAMPLE PREPARATION SUMMARY

Client:	<u>G Environmental</u>	SDG No.:	<u>Q2371</u>
Contract:	<u>GENV01</u>	Lab Code:	<u>CHEM</u>
		Method:	<u></u>
		Case No.:	<u>Q2371</u>
		SAS No.:	<u>Q2371</u>

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB168564							
PB168564BL	PB168564BL	MB	SOLID	06/20/2025	2.00	100.0	100.00
PB168564BS	PB168564BS	LCS	SOLID	06/20/2025	2.00	100.0	100.00
Q2364-02DUP	GAV1BDUP	DUP	SOLID	06/20/2025	2.44	100.0	85.50
Q2364-02MS	GAV1BMS	MS	SOLID	06/20/2025	2.28	100.0	85.50
Q2364-02MSD	GAV1BMSD	MSD	SOLID	06/20/2025	2.40	100.0	85.50
Q2371-04	RPXY42025	SAM	SOLID	06/20/2025	2.25	100.0	89.50
Q2371-05	BBX42025	SAM	SOLID	06/20/2025	2.30	100.0	86.60

Instrument ID: P5

Daily Analysis Runlog For Sequence/QC Batch ID # LB136236

Review By	jaswal	Review On	6/24/2025 4:50:49 AM
Supervise By	Janvi	Supervise On	6/24/2025 9:15:41 AM
STD. NAME	STD REF.#		
ICAL Standard	MP85867,MP85897,MP85871,MP85870,MP85869,MP85868		
ICV Standard	MP85872,MP85897		
CCV Standard	MP85875		
ICSA Standard	MP85873,MP85874		
CRI Standard	MP85897		
LCS Standard			
Chk Standard	MP85876,MP85877		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	06/23/25 11:53		Jaswal	OK
2	S1	S1	CAL2	06/23/25 11:58		Jaswal	OK
3	S2	S2	CAL3	06/23/25 12:02		Jaswal	OK
4	S3	S3	CAL4	06/23/25 12:07		Jaswal	OK
5	S4	S4	CAL5	06/23/25 12:11		Jaswal	OK
6	S5	S5	CAL6	06/23/25 12:15		Jaswal	OK
7	ICV01	ICV01	ICV	06/23/25 12:34		Jaswal	OK
8	LLICV01	LLICV01	LLICV	06/23/25 13:09		Jaswal	OK
9	ICB01	ICB01	ICB	06/23/25 13:19		Jaswal	OK
10	CRI01	CRI01	CRDL	06/23/25 13:23		Jaswal	OK
11	ICSA01	ICSA01	ICSA	06/23/25 13:27		Jaswal	OK
12	ICSAB01	ICSAB01	ICSAB	06/23/25 13:43		Jaswal	OK
13	ICSADL	ICSADL	ICSA	06/23/25 13:47		Jaswal	OK
14	ICSABDL	ICSABDL	ICSAB	06/23/25 13:52		Jaswal	OK
15	CCV01	CCV01	CCV	06/23/25 13:56		Jaswal	OK
16	CCB01	CCB01	CCB	06/23/25 14:05		Jaswal	OK
17	Q2347-01	TP-10	SAM	06/23/25 14:09		Jaswal	OK
18	Q2354-01	3321	SAM	06/23/25 14:14		Jaswal	OK

Instrument ID: P5

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CCV Standard	MP85875		
ICSA Standard	MP85873,MP85874		
CRI Standard	MP85897		
LCS Standard			
Chk Standard	MP85876,MP85877		

19	Q2355-01	3897	SAM	06/23/25 14:18		Jaswal	OK
20	Q2355-03	20071	SAM	06/23/25 14:22		Jaswal	OK
21	PB168553BL	PB168553BL	MB	06/23/25 14:27		Jaswal	OK
22	PB168553BS	PB168553BS	LCS	06/23/25 14:31		Jaswal	OK
23	PB168535BL	PB168535BL	MB	06/23/25 14:36		Jaswal	OK
24	PB168535BS	PB168535BS	LCS	06/23/25 14:40		Jaswal	OK
25	PB168514TB	PB168514TB	MB	06/23/25 14:44		Jaswal	OK
26	PB168544TB	PB168544TB	MB	06/23/25 14:49		Jaswal	OK
27	CCV02	CCV02	CCV	06/23/25 14:54		Jaswal	OK
28	CCB02	CCB02	CCB	06/23/25 14:58		Jaswal	OK
29	PB168565BL	PB168565BL	MB	06/23/25 15:02		Jaswal	OK
30	PB168565BS	PB168565BS	LCS	06/23/25 15:07		Jaswal	OK
31	PB168564BL	PB168564BL	MB	06/23/25 15:11		Jaswal	OK
32	PB168564BS	PB168564BS	LCS	06/23/25 15:16		Jaswal	OK
33	Q2354-02	3321	SAM	06/23/25 15:20		Jaswal	OK
34	Q2355-02	3897	SAM	06/23/25 15:25		Jaswal	OK
35	Q2362-04	TP-11	SAM	06/23/25 15:29		Jaswal	OK
36	Q2362-08	EP-6	SAM	06/23/25 15:34		Jaswal	OK
37	Q2367-04	EP-4	SAM	06/23/25 15:38		Jaswal	OK
38	Q2367-08	EP-5	SAM	06/23/25 15:43		Jaswal	OK

Instrument ID: P5

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CCV Standard	MP85875		
ICSA Standard	MP85873,MP85874		
CRI Standard	MP85897		
LCS Standard			
Chk Standard	MP85876,MP85877		

39	CCV03	CCV03	CCV	06/23/25 15:47		Jaswal	OK
40	CCB03	CCB03	CCB	06/23/25 15:52		Jaswal	OK
41	Q2367-08DUP	EP-5DUP	DUP	06/23/25 15:57		Jaswal	OK
42	Q2367-08L	EP-5L	SD	06/23/25 16:02		Jaswal	OK
43	Q2367-08MS	EP-5MS	MS	06/23/25 16:06		Jaswal	OK
44	Q2367-08MSD	EP-5MSD	MSD	06/23/25 16:11		Jaswal	OK
45	Q2367-08A	EP-5A	PS	06/23/25 16:15		Jaswal	OK
46	Q2362-01	TP-11	SAM	06/23/25 16:20		Jaswal	OK
47	Q2362-05	EP-6	SAM	06/23/25 16:24		Jaswal	OK
48	Q2363-01	GCAP1	SAM	06/23/25 16:28		Jaswal	OK
49	Q2364-01	GAV1A	SAM	06/23/25 16:33		Jaswal	OK
50	Q2364-02	GAV1B	SAM	06/23/25 16:37		Jaswal	OK
51	CCV04	CCV04	CCV	06/23/25 16:51		Jaswal	OK
52	CCB04	CCB04	CCB	06/23/25 16:56		Jaswal	OK
53	Q2364-02DUP	GAV1BDUP	DUP	06/23/25 17:01		Jaswal	OK
54	Q2364-02L	GAV1BL	SD	06/23/25 17:06		Jaswal	OK
55	Q2364-02MS	GAV1BMS	MS	06/23/25 17:10		Jaswal	OK
56	Q2364-02MSD	GAV1BMSD	MSD	06/23/25 17:14		Jaswal	OK
57	Q2364-02A	GAV1BA	PS	06/23/25 17:19		Jaswal	OK
58	Q2364-03	GAV2A	SAM	06/23/25 17:23		Jaswal	OK

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CCV Standard	MP85875		
ICSA Standard	MP85873,MP85874		
CRI Standard	MP85897		
LCS Standard			
Chk Standard	MP85876,MP85877		

59	Q2364-04	GAV2B	SAM	06/23/25 17:27	Zn high	Jaswal	Dilution
60	Q2367-01	EP-4	SAM	06/23/25 17:32		Jaswal	OK
61	Q2367-05	EP-5	SAM	06/23/25 17:36		Jaswal	OK
62	Q2371-04	RPXY42025	SAM	06/23/25 17:41		Jaswal	OK
63	CCV05	CCV05	CCV	06/23/25 17:45		Jaswal	OK
64	CCB05	CCB05	CCB	06/23/25 17:49		Jaswal	OK
65	Q2371-05	BBX42025	SAM	06/23/25 17:54		Jaswal	OK
66	PB168551BL	PB168551BL	MB	06/23/25 17:58	Not Use	Jaswal	Not Ok
67	PB168551BS	PB168551BS	LCS	06/23/25 18:03	Not Use	Jaswal	Not Ok
68	Q2351-01	FAIRLAWN-SUMP	SAM	06/23/25 18:07		Jaswal	OK
69	Q2354-05	3311	SAM	06/23/25 18:12	K oversaturated	Jaswal	Dilution
70	Q2344-01	MW-1	SAM	06/23/25 18:16		Jaswal	OK
71	Q2344-02	MW-1	SAM	06/23/25 18:20		Jaswal	OK
72	Q2344-03	MW-3	SAM	06/23/25 18:25		Jaswal	OK
73	Q2344-04	MW-3	SAM	06/23/25 18:30		Jaswal	OK
74	Q2344-05	MW-4	SAM	06/23/25 18:34		Jaswal	OK
75	CCV06	CCV06	CCV	06/23/25 18:39		Jaswal	OK
76	CCB06	CCB06	CCB	06/23/25 18:43		Jaswal	OK
77	Q2344-06	MW-4	SAM	06/23/25 18:48		Jaswal	OK
78	Q2344-07	MW-2	SAM	06/23/25 18:52		Jaswal	OK

Instrument ID: P5

Daily Analysis Runlog For Sequence/QC Batch ID # LB136236

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CCV Standard	MP85875		
ICSA Standard	MP85873,MP85874		
CRI Standard	MP85897		
LCS Standard			
Chk Standard	MP85876,MP85877		

79	Q2344-07DUP	MW-2DUP	DUP	06/23/25 18:57		Jaswal	OK
80	Q2344-07L	MW-2L	SD	06/23/25 19:02		Jaswal	OK
81	Q2344-07MS	MW-2MS	MS	06/23/25 19:06		Jaswal	OK
82	Q2344-07MSD	MW-2MSD	MSD	06/23/25 19:10		Jaswal	OK
83	Q2344-07A	MW-2A	PS	06/23/25 19:15		Jaswal	OK
84	Q2344-08	MW-2	SAM	06/23/25 19:19		Jaswal	OK
85	CCV07	CCV07	CCV	06/23/25 19:24		Jaswal	OK
86	CCB07	CCB07	CCB	06/23/25 19:28		Jaswal	OK

SOP ID : M3050B-Digestion-20

SDG No : N/A

Matrix : SOIL

Pipette ID: ICP A

Balance ID : M SC-2

Filter paper ID : N/A

pH Strip ID : N/A

Hood ID : #3

Block ID: 1. HOT BLOCK #2 2. N/A

Start Digest Date: 06/20/2025 Time : 10:05 Temp : 96 °C

End Digest Date: 06/20/2025 Time : 12:10 Temp : 96 °C

Digestion tube ID: M6054

Block thermometer ID: MET-DIG. #2

Dig Technician Signature: *SKS.*

Supervisor Signature: *JP*

Temp : 1. 96°C 2. N/A

Standard Name	MLS USED	STD REF. # FROM LOG
LFS-1	1.00	M6007
LFS-2	1.00	M6015
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
CONC: HNO3	5.00	M6158
1:1 HNO3	10.00	MP84041
30% H2O2	3.00	M6162
Conc. HCL	10.00	M6151
PTFE Boiling Stones	N/A	M5581
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

HOT BLOCK#2 CELL#35 96 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
06/20/25 13:10	<i>SKS, met. dis</i>	<i>JP Met Lab</i>
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	pH	Initial Weight (g)	Final Vol (ml)	Color Before	Color After	Texture	Artifact	Comment	Prep Pos
PB168564BL	PBS564	N/A	2.00	100	Colorless	Colorless	Fine	N/A	N/A	1
PB168564BS	LCS564	N/A	2.00	100	Colorless	Colorless	Fine	N/A	M6007,M6015	2
Q2362-01	TP-11	N/A	2.16	100	Brown	Yellow	Medium	N/A	N/A	3
Q2362-05	EP-6	N/A	2.12	100	Brown	Yellow	Medium	N/A	N/A	4
Q2363-01	GCAP1	N/A	2.21	100	Brown	Yellow	Medium	N/A	N/A	5
Q2364-01	GAV1A	N/A	2.41	100	Brown	Yellow	Medium	N/A	N/A	6
Q2364-02	GAV1B	N/A	2.26	100	Brown	Yellow	Medium	N/A	N/A	7
Q2364-02MS	GAV1BMS	N/A	2.28	100	Brown	Yellow	Medium	N/A	M6007,M6015	9
Q2364-02MSD	GAV1BMSD	N/A	2.40	100	Brown	Yellow	Medium	N/A	M6007,M6015	10
Q2364-02DUP	GAV1BDUP	N/A	2.44	100	Brown	Yellow	Medium	N/A	N/A	8
Q2364-03	GAV2A	N/A	2.13	100	Brown	Yellow	Medium	N/A	N/A	11
Q2364-04	GAV2B	N/A	2.20	100	Brown	Yellow	Medium	N/A	N/A	12
Q2367-01	EP-4	N/A	2.29	100	Brown	Yellow	Medium	N/A	N/A	13
Q2367-05	EP-5	N/A	2.49	100	Brown	Yellow	Medium	N/A	N/A	14
Q2371-04	RPXY42025	N/A	2.25	100	Brown	Yellow	Medium	N/A	N/A	15
Q2371-05	BBXY42025	N/A	2.30	100	Brown	Yellow	Medium	N/A	N/A	16