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Hit Summary Sheet
SW-846

SDG No.: Q2964 **Order ID:** Q2964

Client: G Environmental **Project ID:** Buff

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : MW3								
Q2964-02	MW3	Water	Iron	2810		11.7	50.0	ug/L
Q2964-02	MW3	Water	Manganese	376		2.97	10.0	ug/L
Q2964-02	MW3	Water	Sodium	5230000	D	2170	5000	ug/L

SAMPLE DATA

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Report of Analysis

Client:	G Environmental	Date Collected:	08/25/25
Project:	Buff	Date Received:	08/26/25
Client Sample ID:	MW3	SDG No.:	Q2964
Lab Sample ID:	Q2964-02	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7439-89-6	Iron	2810		1	11.7	50.0	ug/L	08/27/25 10:40	08/27/25 15:44	6010D	SW3010
7439-96-5	Manganese	376		1	2.97	10.0	ug/L	08/27/25 10:40	08/27/25 15:44	6010D	SW3010
7440-23-5	Sodium	5230000	D	5	2170	5000	ug/L	08/27/25 10:40	08/27/25 16:43	6010D	SW3010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	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

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q2964

Contract: GENV01 **Lab Code:** ACE

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	08/27/2025	11:40	LB136987
	Manganese	5.94	+/-10	U	20.0	P	08/27/2025	11:40	LB136987
	Sodium	868	+/-1000	U	2000	P	08/27/2025	11:40	LB136987

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q2964

Contract: GENV01 **Lab Code:** ACE

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	08/27/2025	12:13	LB136987
	Manganese	5.94	+/-10	U	20.0	P	08/27/2025	12:13	LB136987
	Sodium	868	+/-1000	U	2000	P	08/27/2025	12:13	LB136987
CCB02	Iron	23.4	+/-50	U	100	P	08/27/2025	13:12	LB136987
	Manganese	5.94	+/-10	U	20.0	P	08/27/2025	13:12	LB136987
	Sodium	868	+/-1000	U	2000	P	08/27/2025	13:12	LB136987
CCB03	Iron	23.4	+/-50	U	100	P	08/27/2025	14:13	LB136987
	Manganese	5.94	+/-10	U	20.0	P	08/27/2025	14:13	LB136987
	Sodium	868	+/-1000	U	2000	P	08/27/2025	14:13	LB136987
CCB04	Iron	23.4	+/-50	U	100	P	08/27/2025	14:57	LB136987
	Manganese	5.94	+/-10	U	20.0	P	08/27/2025	14:57	LB136987
	Sodium	868	+/-1000	U	2000	P	08/27/2025	14:57	LB136987
CCB05	Iron	23.4	+/-50	U	100	P	08/27/2025	16:39	LB136987
	Manganese	5.94	+/-10	U	20.0	P	08/27/2025	16:39	LB136987
	Sodium	868	+/-1000	U	2000	P	08/27/2025	16:39	LB136987
CCB06	Iron	23.4	+/-50	U	100	P	08/27/2025	17:14	LB136987
	Manganese	5.94	+/-10	U	20.0	P	08/27/2025	17:14	LB136987
	Sodium	868	+/-1000	U	2000	P	08/27/2025	17:14	LB136987

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q2964

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB169418BL		**WATER**		**Batch Number:**	**PB169418**		**Prep Date:**	**08/27/2025**	
	Iron	11.7	<25	U	50.0	P	08/27/2025	15:34	LB136987
	Manganese	2.97	<5	U	10.0	P	08/27/2025	15:34	LB136987
	Sodium	434	<500	U	1000	P	08/27/2025	15:34	LB136987

METAL CALIBRATION DATA

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q2964

Contract: GENV01 **Lab Code:** ACE

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	4210	4000	105	90 - 110	P	08/27/2025	11:28	LB136987
	Manganese	2010	2000	100	90 - 110	P	08/27/2025	11:28	LB136987
	Sodium	21800	20000	109	90 - 110	P	08/27/2025	11:28	LB136987

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q2964

Contract: GENV01 **Lab Code:** ACE

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	106	100	106	80 - 120	P	08/27/2025	11:34	LB136987
	Manganese	21.3	20.0	107	80 - 120	P	08/27/2025	11:34	LB136987
	Sodium	1970	2000	98	80 - 120	P	08/27/2025	11:34	LB136987

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q2964

Contract: GENV01 **Lab Code:** ACE

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	5290	5000	106	90 - 110	P	08/27/2025	12:05	LB136987
	Manganese	2500	2500	100	90 - 110	P	08/27/2025	12:05	LB136987
	Sodium	27000	25000	108	90 - 110	P	08/27/2025	12:05	LB136987
CCV02	Iron	5200	5000	104	90 - 110	P	08/27/2025	13:07	LB136987
	Manganese	2440	2500	98	90 - 110	P	08/27/2025	13:07	LB136987
	Sodium	25600	25000	102	90 - 110	P	08/27/2025	13:07	LB136987
CCV03	Iron	5200	5000	104	90 - 110	P	08/27/2025	14:09	LB136987
	Manganese	2440	2500	98	90 - 110	P	08/27/2025	14:09	LB136987
	Sodium	24600	25000	98	90 - 110	P	08/27/2025	14:09	LB136987
CCV04	Iron	5340	5000	107	90 - 110	P	08/27/2025	14:53	LB136987
	Manganese	2470	2500	99	90 - 110	P	08/27/2025	14:53	LB136987
	Sodium	25800	25000	103	90 - 110	P	08/27/2025	14:53	LB136987
CCV05	Iron	5080	5000	102	90 - 110	P	08/27/2025	16:24	LB136987
	Manganese	2410	2500	96	90 - 110	P	08/27/2025	16:24	LB136987
	Sodium	26000	25000	104	90 - 110	P	08/27/2025	16:24	LB136987
CCV06	Iron	5140	5000	103	90 - 110	P	08/27/2025	17:10	LB136987
	Manganese	2380	2500	95	90 - 110	P	08/27/2025	17:10	LB136987
	Sodium	27000	25000	108	90 - 110	P	08/27/2025	17:10	LB136987

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Metals

- 2b -
CRDL STANDARD FOR AA & ICP

Client: G Environmental **SDG No.:** Q2964

Contract: GENV01 **Lab Code:** ACE

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	106	100	106	65 - 135	P	08/27/2025	11:44	LB136987
	Manganese	21.7	20.0	109	65 - 135	P	08/27/2025	11:44	LB136987
	Sodium	2060	2000	103	65 - 135	P	08/27/2025	11:44	LB136987

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Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: G Environmental **SDG No.:** Q2964

Contract: GENV01 **Lab Code:** ACE

ICS Source: EPA **Instrument ID:** P4

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	99200	101000	98	85600	116500	08/27/2025	11:48	LB136987
	Manganese	8.32	7.0	119	-13	27	08/27/2025	11:48	LB136987
	Sodium	129			0	0	08/27/2025	11:48	LB136987
ICSAB01	Iron	101000	99300	102	84400	114500	08/27/2025	11:53	LB136987
	Manganese	484	507	96	430	584	08/27/2025	11:53	LB136987
	Sodium	101			0	0	08/27/2025	11:53	LB136987

METAL QC DATA

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metals
- 5a -
MATRIX SPIKE SUMMARY

client: G Environmental **level:** low **sdg no.:** Q2964

contract: GENV01 **lab code:** ACE

matrix: Water **sample id:** Q2964-02 **client id:** MW3MS

Percent Solids for Sample: NA **Spiked ID:** Q2964-02MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Iron	ug/L	75 - 125	4450		2810		1500	109		P
Manganese	ug/L	75 - 125	476		376		100	100		P
Sodium	ug/L	75 - 125	5510000	D	5230000	D	1500	18699		P

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metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: G Environmental **level:** low **sdg no.:** Q2964

contract: GENV01 **lab code:** ACE

matrix: Water **sample id:** Q2964-02 **client id:** MW3MSD

Percent Solids for Sample: NA **Spiked ID:** Q2964-02MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Iron	ug/L	75 - 125	4660		2810		1500	123		P
Manganese	ug/L	75 - 125	466		376		100	90		P
Sodium	ug/L	75 - 125	4980000	D	5230000	D	1500	-16599		P

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Metals
- 5b -

Client: G Environmental **SDG No.:** Q2964

Contract: GENV01 **Lab Code:** ACE

Matrix: **Level:** LOW **Client ID:**

Sample ID: **Spiked ID:**

Analyte	Units	Acceptance Limit %R	C	Sample Result	C	Spike Added	% Recovery	Qual	M

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Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: G Environmental **Level:** LOW **SDG No.:** Q2964

Contract: GENV01 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q2964-02 **Client ID:** MW3DUP

Percent Solids for Sample: NA **Duplicate ID** Q2964-02DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Iron	ug/L	20	2810		2670		5		P
Manganese	ug/L	20	376		377		0		P
Sodium	ug/L	20	5230000	D	4660000	D	12		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: G Environmental **Level:** LOW **SDG No.:** Q2964

Contract: GENV01 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q2964-02MS **Client ID:** MW3MSD

Percent Solids for Sample: NA **Duplicate ID** Q2964-02MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Iron	ug/L	20	4450		4660		5		P
Manganese	ug/L	20	476		466		2		P
Sodium	ug/L	20	5510000	D	4980000	D	10		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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LABORATORY CONTROL SAMPLE SUMMARY

Client: G Environmental **SDG No.:** Q2964

Contract: GENV01 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB169418BS							
Iron	ug/L	1500	1490		99	80 - 120	P
Manganese	ug/L	100	102		102	80 - 120	P
Sodium	ug/L	1500	1410		94	80 - 120	P

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Metals

-9 -

ICP SERIAL DILUTIONS

SAMPLE NO.

MW3L

Lab Name: Alliance **Contract:** GENV01

Lab Code: ACE **Lb No.:** lb136987 **Lab Sample ID :** Q2964-02L **SDG No.:** Q2964

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

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Iron	2810		2850		1		P
Manganese	376		430		14		P
Sodium	2990000	OR	5620000		88		P

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metals
- 14 -
ANALYSIS RUN LOG

Client: G Environmental **Contract:** GENV01

Lab code: ACE **Sdg no.:** Q2964

Instrument id number: **Method:** **Run number:** LB136987

Start date: 08/27/2025 **End date:** 08/27/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1102	Fe,Mn,Na
S1	S1	1	1107	Fe,Mn,Na
S2	S2	1	1111	Fe,Mn,Na
S3	S3	1	1115	Fe,Mn,Na
S4	S4	1	1119	Fe,Mn,Na
S5	S5	1	1123	Fe,Mn,Na
ICV01	ICV01	1	1128	Fe,Mn,Na
LLICV01	LLICV01	1	1134	Fe,Mn,Na
ICB01	ICB01	1	1140	Fe,Mn,Na
CRI01	CRI01	1	1144	Fe,Mn,Na
ICSA01	ICSA01	1	1148	Fe,Mn,Na
ICSAB01	ICSAB01	1	1153	Fe,Mn,Na
CCV01	CCV01	1	1205	Fe,Mn,Na
CCB01	CCB01	1	1213	Fe,Mn,Na
CCV02	CCV02	1	1307	Fe,Mn,Na
CCB02	CCB02	1	1312	Fe,Mn,Na
CCV03	CCV03	1	1409	Fe,Mn,Na
CCB03	CCB03	1	1413	Fe,Mn,Na
CCV04	CCV04	1	1453	Fe,Mn,Na
CCB04	CCB04	1	1457	Fe,Mn,Na
PB169418BL	PB169418BL	1	1534	Fe,Mn,Na
PB169418BS	PB169418BS	1	1540	Fe,Mn,Na
Q2964-02	MW3	1	1544	Fe,Mn
Q2964-02DUP	MW3DUP	1	1548	Fe,Mn
Q2964-02L	MW3L	5	1553	Fe,Mn,Na
Q2964-02MS	MW3MS	1	1557	Fe,Mn
Q2964-02MSD	MW3MSD	1	1602	Fe,Mn
CCV05	CCV05	1	1624	Fe,Mn,Na
CCB05	CCB05	1	1639	Fe,Mn,Na
Q2964-02	MW3	5	1643	Na
Q2964-02DUP	MW3DUP	5	1648	Na
Q2964-02MS	MW3MS	5	1656	Na
Q2964-02MSD	MW3MSD	5	1701	Na
CCV06	CCV06	1	1710	Fe,Mn,Na
CCB06	CCB06	1	1714	Fe,Mn,Na

METAL PREPARATION & INSTRUMENT DATA

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Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental **SDG No.:** Q2964

Contract: GENV01 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement 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

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Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental **SDG No.:** Q2964

Contract: GENV01 **Lab Code:** ACE

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	-0.0039600
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

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Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental **SDG No.:** Q2964

Contract: GENV01 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Cr	Cu	K	Mn	Mo
Iron	240.488	0.0000000	0.0000000	0.0000730	0.0000000	-0.0015250
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

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Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental **SDG No.:** Q2964

Contract: GENV01 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Na	Ni	Pb	Sb	Se
Iron	240.488	0.0000000	-0.0017000	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

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Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental **SDG No.:** Q2964

Contract: GENV01 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement 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

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LAB CHRONICLE

OrderID:	Q2964	**OrderDate:**	8/26/2025 2:35:00 PM
Client:	G Environmental	**Project:**	Buff
Contact:	Gary Landis	**Location:**	D41,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2964-02	**MW3**	**Water**			**08/25/25**			**08/26/25**
			Metals Group4	6010D		08/27/25	08/27/25	

METAL PREPARATION & ANALYICAL SUMMARY

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Metals
- 13 -
SAMPLE PREPARATION SUMMARY

Client: G Environmental **SDG No.:** Q2964

Contract: GENV01 **Lab Code:** ACE **Method:**

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB169418**						
PB169418BL	PB169418BL	MB	WATER	08/27/2025	50.0	25.0	
PB169418BS	PB169418BS	LCS	WATER	08/27/2025	50.0	25.0	
Q2964-02	MW3	SAM	WATER	08/27/2025	50.0	25.0	
Q2964-02DUP	MW3DUP	DUP	WATER	08/27/2025	50.0	25.0	
Q2964-02MS	MW3MS	MS	WATER	08/27/2025	50.0	25.0	
Q2964-02MSD	MW3MSD	MSD	WATER	08/27/2025	50.0	25.0	

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB136987

Review By	jaswal	Review On	8/28/2025 11:41:53 AM
Supervise By	Janvi	Supervise On	8/28/2025 12:07:16 PM

STD. NAME	STD REF.#
ICAL Standard	MP86640,MP86656,MP86653,MP86643,MP86642,MP86641
ICV Standard	MP86752,MP86656
CCV Standard	MP86646
ICSA Standard	MP86651,MP86753
CRI Standard	MP86656
LCS Standard	
Chk Standard	MP86647,MP86648

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	08/27/25 11:02		Jaswal	OK
2	S1	S1	CAL2	08/27/25 11:07		Jaswal	OK
3	S2	S2	CAL3	08/27/25 11:11		Jaswal	OK
4	S3	S3	CAL4	08/27/25 11:15		Jaswal	OK
5	S4	S4	CAL5	08/27/25 11:19		Jaswal	OK
6	S5	S5	CAL6	08/27/25 11:23		Jaswal	OK
7	ICV01	ICV01	ICV	08/27/25 11:28		Jaswal	OK
8	LLICV01	LLICV01	LLICV	08/27/25 11:34		Jaswal	OK
9	ICB01	ICB01	ICB	08/27/25 11:40		Jaswal	OK
10	CRI01	CRI01	CRDL	08/27/25 11:44		Jaswal	OK
11	ICSA01	ICSA01	ICSA	08/27/25 11:48		Jaswal	OK
12	ICSAB01	ICSAB01	ICSAB	08/27/25 11:53		Jaswal	OK
13	ICSADL	ICSADL	ICSA	08/27/25 11:57		Jaswal	OK
14	ICSABDL	ICSABDL	ICSAB	08/27/25 12:01		Jaswal	OK
15	CCV01	CCV01	CCV	08/27/25 12:05		Jaswal	OK
16	CCB01	CCB01	CCB	08/27/25 12:13		Jaswal	OK
17	LR-1	LR-1	HIGH STD	08/27/25 12:17		Jaswal	OK
18	LR-2	LR-2	HIGH STD	08/27/25 12:22		Jaswal	OK

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Fax : 908 789 8922

Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB136987

Review By	jaswal	Review On	8/28/2025 11:41:53 AM
Supervise By	Janvi	Supervise On	8/28/2025 12:07:16 PM

STD. NAME	STD REF.#
ICAL Standard	MP86640,MP86656,MP86653,MP86643,MP86642,MP86641
ICV Standard	MP86752,MP86656
CCV Standard	MP86646
ICSA Standard	MP86651,MP86753
CRI Standard	MP86656
LCS Standard	
Chk Standard	MP86647,MP86648

19	LR-3	LR-3	HIGH STD	08/27/25 12:26		Jaswal	OK
20	PB169396BL	PB169396BL	MB	08/27/25 12:31		Jaswal	OK
21	PB169396BS	PB169396BS	LCS	08/27/25 12:35		Jaswal	OK
22	PB169397BL	PB169397BL	MB	08/27/25 12:39		Jaswal	OK
23	PB169397BS	PB169397BS	LCS	08/27/25 12:44		Jaswal	OK
24	Q2950-01	402	SAM	08/27/25 12:48		Jaswal	OK
25	Q2950-01DUP	402DUP	DUP	08/27/25 12:52		Jaswal	OK
26	Q2950-01L	402L	SD	08/27/25 12:56		Jaswal	OK
27	CCV02	CCV02	CCV	08/27/25 13:07		Jaswal	OK
28	CCB02	CCB02	CCB	08/27/25 13:12		Jaswal	OK
29	Q2950-01MS	402MS	MS	08/27/25 13:16		Jaswal	OK
30	Q2950-01MSD	402MSD	MSD	08/27/25 13:20		Jaswal	OK
31	Q2950-01A	402A	PS	08/27/25 13:24		Jaswal	OK
32	Q2954-11	BRIDGE	SAM	08/27/25 13:28		Jaswal	OK
33	Q2954-11DUP	BRIDGEDUP	DUP	08/27/25 13:32		Jaswal	OK
34	Q2954-11L	BRIDGEL	SD	08/27/25 13:37		Jaswal	OK
35	Q2954-11MS	BRIDGEMS	MS	08/27/25 13:41		Jaswal	OK
36	Q2954-11MSD	BRIDGEMSD	MSD	08/27/25 13:45		Jaswal	OK
37	Q2954-11A	BRIDGEA	PS	08/27/25 13:49		Jaswal	OK
38	PB169417BL	PB169417BL	MB	08/27/25 13:53		Jaswal	OK

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CCV Standard	MP86646
ICSA Standard	MP86651,MP86753
CRI Standard	MP86656
LCS Standard	
Chk Standard	MP86647,MP86648

39	CCV03	CCV03	CCV	08/27/25 14:09		Jaswal	OK
40	CCB03	CCB03	CCB	08/27/25 14:13		Jaswal	OK
41	PB169417BS	PB169417BS	LCS	08/27/25 14:17		Jaswal	OK
42	Q2954-01	BRIDGE-NORTH	SAM	08/27/25 14:21		Jaswal	OK
43	Q2954-06	BRIDGE-SOUTH	SAM	08/27/25 14:25		Jaswal	OK
44	Q2960-01	SU-03-08262025	SAM	08/27/25 14:29		Jaswal	OK
45	Q2960-01DUP	SU-03-08262025DUP	DUP	08/27/25 14:33		Jaswal	OK
46	Q2960-01L	SU-03-08262025L	SD	08/27/25 14:37		Jaswal	OK
47	Q2960-01MS	SU-03-08262025MS	MS	08/27/25 14:41		Jaswal	OK
48	Q2960-01MSD	SU-03-08262025MSD	MSD	08/27/25 14:45		Jaswal	OK
49	Q2960-01A	SU-03-08262025A	PS	08/27/25 14:49		Jaswal	OK
50	CCV04	CCV04	CCV	08/27/25 14:53		Jaswal	OK
51	CCB04	CCB04	CCB	08/27/25 14:57		Jaswal	OK
52	PB169418BL	PB169418BL	MB	08/27/25 15:34		Jaswal	OK
53	PB169418BS	PB169418BS	LCS	08/27/25 15:40		Jaswal	OK
54	Q2964-02	MW3	SAM	08/27/25 15:44	Na high	Jaswal	Dilution
55	Q2964-02DUP	MW3DUP	DUP	08/27/25 15:48	Na high	Jaswal	Dilution
56	Q2964-02L	MW3L	SD	08/27/25 15:53		Jaswal	OK
57	Q2964-02MS	MW3MS	MS	08/27/25 15:57	Na high	Jaswal	Dilution
58	Q2964-02MSD	MW3MSD	MSD	08/27/25 16:02	Na high	Jaswal	Dilution

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CCV Standard	MP86646
ICSA Standard	MP86651,MP86753
CRI Standard	MP86656
LCS Standard	
Chk Standard	MP86647,MP86648

59	Q2964-02A	MW3A	PS	08/27/25 16:06		Jaswal	OK
60	CCV05	CCV05	CCV	08/27/25 16:24		Jaswal	OK
61	CCB05	CCB05	CCB	08/27/25 16:39		Jaswal	OK
62	Q2964-02DL	MW3DL	SAM	08/27/25 16:43	5x for Na	Jaswal	Confirms
63	Q2964-02DUPDL	MW3DUPDL	DUP	08/27/25 16:48	5x for Na	Jaswal	Confirms
64	Q2964-02LDL	MW3LDL	SD	08/27/25 16:52	Not required	Jaswal	Not Ok
65	Q2964-02MSDL	MW3MSDL	MS	08/27/25 16:56	5x for Na	Jaswal	Confirms
66	Q2964-02MSDDL	MW3MSDDL	MSD	08/27/25 17:01	5x for Na	Jaswal	Confirms
67	Q2964-02ADL	MW3ADL	PS	08/27/25 17:05	Not required	Jaswal	Not Ok
68	CCV06	CCV06	CCV	08/27/25 17:10	CCV fail for K	Jaswal	OK
69	CCB06	CCB06	CCB	08/27/25 17:14		Jaswal	OK

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB169418

SOP ID : M3010A-Digestion-17

SDG No : N/A

Matrix : WATER

Pippete ID: ICP A

Balance ID : N/A

Filter paper ID : N/A

pH Strip ID : M6069

Hood ID : #3

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

Start Digest Date: 08/27/2025 **Time :** 10:40 **Temp :** 97 °C

End Digest Date: 08/27/2025 **Time :** 13:45 **Temp :** 98 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: SJ

Supervisor Signature:

Temp : 1. 96°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
LFS-1	0.25	M6180
LFS-2	0.25	M6181
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	3.00	M6158
1:1 HCL	5.00	MP85156
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
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#1 CELL#50 97C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
08/27/25 14:45	SJ met dig	met lab
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB169418

Lab Sample ID	Client Sample ID	pH	Initial Vol (ml)	Final Vol (ml)	Color Before	Color After	Clarity Before	Clarity After	Comment	Prep Pos
PB169418BL	PBW418	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	1
PB169418BS	LCS418	<2	50	25	Colorless	Colorless	Clear	Clear	M6180,M6181	2
Q2964-02MS	MW3MS	<2	50	25	Colorless	Colorless	Clear	Clear	M6180,M6181	5
Q2964-02MSD	MW3MSD	<2	50	25	Colorless	Colorless	Clear	Clear	M6180,M6181	6
Q2964-02DUP	MW3DUP	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	4
Q2964-02	MW3	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	3

A
B
C
D
E
F
G
H
I
J