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Hit Summary Sheet
SW-846

SDG No.: Q2134 **Order ID:** Q2134

Client: G Environmental **Project ID:** DPW

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : MW10								
Q2134-01	MW10	Water	Iron	87700		11.7	50.0	ug/L
Q2134-01	MW10	Water	Manganese	22200		2.97	10.0	ug/L
Q2134-01	MW10	Water	Sodium	590000		434	1000	ug/L

SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	G Environmental	Date Collected:	05/27/25
Project:	DPW	Date Received:	05/28/25
Client Sample ID:	MW10	SDG No.:	Q2134
Lab Sample ID:	Q2134-01	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	87700		1	11.7	50.0	ug/L	05/29/25 10:15	06/03/25 16:24	6010D	SW3010
7439-96-5	Manganese	22200	N	1	2.97	10.0	ug/L	05/29/25 10:15	06/03/25 16:24	6010D	SW3010
7440-23-5	Sodium	590000	*	1	434	1000	ug/L	05/29/25 10:15	06/03/25 16:24	6010D	SW3010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:		Artifacts:	
Comments:	Metals Group3				

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.:** Q2134

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q2134 **SAS No.:** Q2134

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Iron	100	+/-100	U	100	P	06/02/2025	13:03	LB135981
	Manganese	20.0	+/-20.0	U	20.0	P	06/02/2025	13:03	LB135981
	Sodium	2000	+/-2000	U	2000	P	06/02/2025	13:03	LB135981

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q2134

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q2134 **SAS No.:** Q2134

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Iron	100	+/-100	U	100	P	06/02/2025	14:28	LB135981
	Manganese	20.0	+/-20.0	U	20.0	P	06/02/2025	14:28	LB135981
	Sodium	2000	+/-2000	U	2000	P	06/02/2025	14:28	LB135981
CCB02	Iron	100	+/-100	U	100	P	06/02/2025	15:16	LB135981
	Manganese	20.0	+/-20.0	U	20.0	P	06/02/2025	15:16	LB135981
	Sodium	2000	+/-2000	U	2000	P	06/02/2025	15:16	LB135981
CCB03	Iron	100	+/-100	U	100	P	06/02/2025	16:02	LB135981
	Manganese	20.0	+/-20.0	U	20.0	P	06/02/2025	16:02	LB135981
	Sodium	2000	+/-2000	U	2000	P	06/02/2025	16:02	LB135981
CCB04	Iron	100	+/-100	U	100	P	06/02/2025	16:55	LB135981
	Manganese	20.0	+/-20.0	U	20.0	P	06/02/2025	16:55	LB135981
	Sodium	2000	+/-2000	U	2000	P	06/02/2025	16:55	LB135981
CCB05	Iron	100	+/-100	U	100	P	06/02/2025	17:42	LB135981
	Manganese	20.0	+/-20.0	U	20.0	P	06/02/2025	17:42	LB135981
	Sodium	2000	+/-2000	U	2000	P	06/02/2025	17:42	LB135981
CCB06	Iron	100	+/-100	U	100	P	06/02/2025	18:28	LB135981
	Manganese	20.0	+/-20.0	U	20.0	P	06/02/2025	18:28	LB135981
	Sodium	2000	+/-2000	U	2000	P	06/02/2025	18:28	LB135981
CCB07	Iron	100	+/-100	U	100	P	06/02/2025	19:15	LB135981
	Manganese	20.0	+/-20.0	U	20.0	P	06/02/2025	19:15	LB135981
	Sodium	2000	+/-2000	U	2000	P	06/02/2025	19:15	LB135981
CCB08	Iron	100	+/-100	U	100	P	06/02/2025	20:01	LB135981
	Manganese	20.0	+/-20.0	U	20.0	P	06/02/2025	20:01	LB135981
	Sodium	2000	+/-2000	U	2000	P	06/02/2025	20:01	LB135981
CCB09	Iron	100	+/-100	U	100	P	06/02/2025	20:49	LB135981
	Manganese	20.0	+/-20.0	U	20.0	P	06/02/2025	20:49	LB135981
	Sodium	2000	+/-2000	U	2000	P	06/02/2025	20:49	LB135981
CCB10	Iron	100	+/-100	U	100	P	06/02/2025	21:11	LB135981
	Manganese	20.0	+/-20.0	U	20.0	P	06/02/2025	21:11	LB135981
	Sodium	2000	+/-2000	U	2000	P	06/02/2025	21:11	LB135981

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q2134

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q2134 **SAS No.:** Q2134

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Iron	100	+/-100	U	100	P	06/03/2025	14:16	LB135993
	Manganese	20.0	+/-20.0	U	20.0	P	06/03/2025	14:16	LB135993
	Sodium	2000	+/-2000	U	2000	P	06/03/2025	14:16	LB135993

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q2134

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q2134 **SAS No.:** Q2134

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Iron	100	+/-100	U	100	P	06/03/2025	15:34	LB135993
	Manganese	20.0	+/-20.0	U	20.0	P	06/03/2025	15:34	LB135993
	Sodium	2000	+/-2000	U	2000	P	06/03/2025	15:34	LB135993
CCB02	Iron	100	+/-100	U	100	P	06/03/2025	16:20	LB135993
	Manganese	20.0	+/-20.0	U	20.0	P	06/03/2025	16:20	LB135993
	Sodium	2000	+/-2000	U	2000	P	06/03/2025	16:20	LB135993
CCB03	Iron	100	+/-100	U	100	P	06/03/2025	17:10	LB135993
	Manganese	20.0	+/-20.0	U	20.0	P	06/03/2025	17:10	LB135993
	Sodium	2000	+/-2000	U	2000	P	06/03/2025	17:10	LB135993
CCB04	Iron	100	+/-100	U	100	P	06/03/2025	19:01	LB135993
	Manganese	20.0	+/-20.0	U	20.0	P	06/03/2025	19:01	LB135993
	Sodium	2000	+/-2000	U	2000	P	06/03/2025	19:01	LB135993
CCB05	Iron	100	+/-100	U	100	P	06/03/2025	19:39	LB135993
	Manganese	20.0	+/-20.0	U	20.0	P	06/03/2025	19:39	LB135993
	Sodium	2000	+/-2000	U	2000	P	06/03/2025	19:39	LB135993

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q2134

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168200BL		**WATER**		**Batch Number:**	**PB168200**		**Prep Date:**	**05/29/2025**	
	Iron	50.0	<50.0	U	50.0	P	06/02/2025	17:29	LB135981
	Manganese	10.0	<10.0	U	10.0	P	06/02/2025	17:29	LB135981
	Sodium	1000	<1000	U	1000	P	06/02/2025	17:29	LB135981

METAL CALIBRATION DATA

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q2134

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q2134 **SAS No.:** Q2134

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	10100	10000	100	90 - 110	P	06/02/2025	12:37	LB135981
	Manganese	516	520	99	90 - 110	P	06/02/2025	12:37	LB135981
	Sodium	9470	10000	95	90 - 110	P	06/02/2025	12:37	LB135981

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q2134

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q2134 **SAS No.:** Q2134

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	06/02/2025	12:59	LB135981
	Manganese	20.4	20.0	102	80 - 120	P	06/02/2025	12:59	LB135981
	Sodium	1720	2000	86	80 - 120	P	06/02/2025	12:59	LB135981

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q2134

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q2134 **SAS No.:** Q2134

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	5070	5000	101	90 - 110	P	06/02/2025	14:14	LB135981
	Manganese	2460	2500	98	90 - 110	P	06/02/2025	14:14	LB135981
	Sodium	25500	25000	102	90 - 110	P	06/02/2025	14:14	LB135981
CCV02	Iron	4790	5000	96	90 - 110	P	06/02/2025	15:11	LB135981
	Manganese	2470	2500	99	90 - 110	P	06/02/2025	15:11	LB135981
	Sodium	23600	25000	94	90 - 110	P	06/02/2025	15:11	LB135981
CCV03	Iron	4860	5000	97	90 - 110	P	06/02/2025	15:58	LB135981
	Manganese	2390	2500	96	90 - 110	P	06/02/2025	15:58	LB135981
	Sodium	24600	25000	98	90 - 110	P	06/02/2025	15:58	LB135981
CCV04	Iron	4730	5000	95	90 - 110	P	06/02/2025	16:49	LB135981
	Manganese	2390	2500	96	90 - 110	P	06/02/2025	16:49	LB135981
	Sodium	22900	25000	92	90 - 110	P	06/02/2025	16:49	LB135981
CCV05	Iron	4810	5000	96	90 - 110	P	06/02/2025	17:38	LB135981
	Manganese	2330	2500	93	90 - 110	P	06/02/2025	17:38	LB135981
	Sodium	23600	25000	94	90 - 110	P	06/02/2025	17:38	LB135981
CCV06	Iron	5170	5000	103	90 - 110	P	06/02/2025	18:24	LB135981
	Manganese	2370	2500	95	90 - 110	P	06/02/2025	18:24	LB135981
	Sodium	25500	25000	102	90 - 110	P	06/02/2025	18:24	LB135981
CCV07	Iron	4830	5000	97	90 - 110	P	06/02/2025	19:11	LB135981
	Manganese	2380	2500	95	90 - 110	P	06/02/2025	19:11	LB135981
	Sodium	23700	25000	95	90 - 110	P	06/02/2025	19:11	LB135981
CCV08	Iron	4930	5000	99	90 - 110	P	06/02/2025	19:57	LB135981
	Manganese	2400	2500	96	90 - 110	P	06/02/2025	19:57	LB135981
	Sodium	24100	25000	96	90 - 110	P	06/02/2025	19:57	LB135981
CCV09	Iron	4890	5000	98	90 - 110	P	06/02/2025	20:45	LB135981
	Manganese	2410	2500	96	90 - 110	P	06/02/2025	20:45	LB135981
	Sodium	24000	25000	96	90 - 110	P	06/02/2025	20:45	LB135981
CCV10	Iron	23.4	5000	0	90 - 110	P	06/02/2025	21:06	LB135981
	Manganese	5.94	2500	0	90 - 110	P	06/02/2025	21:06	LB135981
	Sodium	868	25000	0	90 - 110	P	06/02/2025	21:06	LB135981

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q2134

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q2134 **SAS No.:** Q2134

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	9500	10000	95	90 - 110	P	06/03/2025	13:57	LB135993
	Manganese	504	520	97	90 - 110	P	06/03/2025	13:57	LB135993
	Sodium	9300	10000	93	90 - 110	P	06/03/2025	13:57	LB135993

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q2134

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q2134 **SAS No.:** Q2134

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	112	100	112	80 - 120	P	06/03/2025	14:11	LB135993
	Manganese	18.7	20.0	93	80 - 120	P	06/03/2025	14:11	LB135993
	Sodium	1750	2000	87	80 - 120	P	06/03/2025	14:11	LB135993

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q2134

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q2134 **SAS No.:** Q2134

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	5010	5000	100	90 - 110	P	06/03/2025	15:28	LB135993
	Manganese	2370	2500	95	90 - 110	P	06/03/2025	15:28	LB135993
	Sodium	24500	25000	98	90 - 110	P	06/03/2025	15:28	LB135993
CCV02	Iron	4680	5000	94	90 - 110	P	06/03/2025	16:16	LB135993
	Manganese	2310	2500	92	90 - 110	P	06/03/2025	16:16	LB135993
	Sodium	22600	25000	90	90 - 110	P	06/03/2025	16:16	LB135993
CCV03	Iron	4830	5000	96	90 - 110	P	06/03/2025	17:06	LB135993
	Manganese	2300	2500	92	90 - 110	P	06/03/2025	17:06	LB135993
	Sodium	23400	25000	94	90 - 110	P	06/03/2025	17:06	LB135993
CCV04	Iron	5080	5000	102	90 - 110	P	06/03/2025	18:57	LB135993
	Manganese	2310	2500	92	90 - 110	P	06/03/2025	18:57	LB135993
	Sodium	24700	25000	99	90 - 110	P	06/03/2025	18:57	LB135993
CCV05	Iron	4800	5000	96	90 - 110	P	06/03/2025	19:35	LB135993
	Manganese	2290	2500	92	90 - 110	P	06/03/2025	19:35	LB135993
	Sodium	23300	25000	93	90 - 110	P	06/03/2025	19:35	LB135993

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Metals

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CRDL STANDARD FOR AA & ICP

Client: G Environmental **SDG No.:** Q2134

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q2134 **SAS No.:** Q2134

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	06/02/2025	13:08	LB135981
	Manganese	20.1	20.0	101	65 - 135	P	06/02/2025	13:08	LB135981
	Sodium	1690	2000	85	65 - 135	P	06/02/2025	13:08	LB135981
CRI01	Iron	119	100	119	65 - 135	P	06/03/2025	14:36	LB135993
	Manganese	19.4	20.0	97	65 - 135	P	06/03/2025	14:36	LB135993
	Sodium	1810	2000	90	65 - 135	P	06/03/2025	14:36	LB135993

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Metals
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INTERFERENCE CHECK SAMPLE

Client: G Environmental **SDG No.:** Q2134

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q2134 **SAS No.:** Q2134

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	95800	101000	95	85600	116500	06/02/2025	13:12	LB135981
	Manganese	0.90	7.0	13	-13	27	06/02/2025	13:12	LB135981
	Sodium	24.0			0	0	06/02/2025	13:12	LB135981
ICSAB01	Iron	104000	99300	105	84400	114500	06/02/2025	13:35	LB135981
	Manganese	483	507	95	430	584	06/02/2025	13:35	LB135981
	Sodium	-31.0			0	0	06/02/2025	13:35	LB135981
ICSA01	Iron	99500	101000	98	85600	116500	06/03/2025	14:46	LB135993
	Manganese	2.69	7.0	38	-13	27	06/03/2025	14:46	LB135993
	Sodium	-11.2			0	0	06/03/2025	14:46	LB135993
ICSAB01	Iron	101000	99300	102	84400	114500	06/03/2025	15:06	LB135993
	Manganese	466	507	92	430	584	06/03/2025	15:06	LB135993
	Sodium	-54.6			0	0	06/03/2025	15:06	LB135993

METAL QC DATA

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metals
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MATRIX SPIKE SUMMARY

client: G Environmental **level:** low **sdg no.:** Q2134

contract: GENV01 **lab code:** CHEM **case no.:** Q2134 **sas no.:** Q2134

matrix: Water **sample id:** Q2133-03 **client id:** SUPPLYMS

Percent Solids for Sample: NA **Spiked ID:** Q2133-03MS **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	1200		51.1		1500	77		P
Manganese	ug/L	75 - 125	81.3		13.7		100	68	N	P
Sodium	ug/L	75 - 125	46700		57500		1500	-722		P

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metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: G Environmental **level:** low **sdg no.:** Q2134

contract: GENV01 **lab code:** CHEM **case no.:** Q2134 **sas no.:** Q2134

matrix: Water **sample id:** Q2133-03 **client id:** SUPPLYMSD

Percent Solids for Sample: NA **Spiked ID:** Q2133-03MSD **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	1430		51.1		1500	92		P
Manganese	ug/L	75 - 125	88.4		13.7		100	75		P
Sodium	ug/L	75 - 125	57400		57500		1500	-5		P

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Metals
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POST DIGEST SPIKE SUMMARY

Client: G Environmental **SDG No.:** Q2134

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q2134 **SAS No.:** Q2134

Matrix: Water **Level:** LOW **Client ID:** SUPPLYA

Sample ID: Q2133-03 **Spiked ID:** Q2133-03A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Manganese	ug/L	75 - 125	106		13.7		100	92		P

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: G Environmental **Level:** LOW **SDG No.:** Q2134

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q2134 **SAS No.:** Q2134

Matrix: Water **Sample ID:** Q2133-03 **Client ID:** SUPPLYDUP

Percent Solids for Sample: NA **Duplicate ID** Q2133-03DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Iron	ug/L	20	51.1		41.3	J	21		P
Manganese	ug/L	20	13.7		8.19	J	50		P
Sodium	ug/L	20	57500		53500		7		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

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DUPLICATE SAMPLE SUMMARY

Client: G Environmental **Level:** LOW **SDG No.:** Q2134

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q2134 **SAS No.:** Q2134

Matrix: Water **Sample ID:** Q2133-03MS **Client ID:** SUPPLYMSD

Percent Solids for Sample: NA **Duplicate ID** Q2133-03MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Iron	ug/L	20	1200		1430		17		P
Manganese	ug/L	20	81.3		88.4		8		P
Sodium	ug/L	20	46700		57400		21	*	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.:** Q2134

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q2134 **SAS No.:** Q2134

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168200BS							
Iron	ug/L	1500	1450		97	80 - 120	P
Manganese	ug/L	100	96.5		96	80 - 120	P
Sodium	ug/L	1500	1350		90	80 - 120	P

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

SUPPLYL

Lab Name: Chemtech Consulting Group **Contract:** GENV01

Lab Code: CHEM **Lb No.:** lb135993 **Lab Sample ID :** Q2133-03L **SDG No.:** Q2134

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	51.1		74.1	J	45		P
Manganese	13.7		19.6	J	43		P
Sodium	57500		52700		8		P

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metals
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ANALYSIS RUN LOG

Client: G Environmental **Contract:** GENV01

Lab code: CHEM **Case no.:** Q2134 **Sas no.:** Q2134 **Sdg no.:** Q2134

Instrument id number: **Method:** **Run number:** LB135981

Start date: 06/02/2025 **End date:** 06/02/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1212	Fe,Mn,Na
S1	S1	1	1216	Fe,Mn,Na
S2	S2	1	1221	Fe,Mn,Na
S3	S3	1	1225	Fe,Mn,Na
S4	S4	1	1229	Fe,Mn,Na
S5	S5	1	1233	Fe,Mn,Na
ICV01	ICV01	1	1237	Fe,Mn,Na
LLICV01	LLICV01	1	1259	Fe,Mn,Na
ICB01	ICB01	1	1303	Fe,Mn,Na
CRI01	CRI01	1	1308	Fe,Mn,Na
ICSA01	ICSA01	1	1312	Fe,Mn,Na
ICSAB01	ICSAB01	1	1335	Fe,Mn,Na
CCV01	CCV01	1	1414	Fe,Mn,Na
CCB01	CCB01	1	1428	Fe,Mn,Na
CCV02	CCV02	1	1511	Fe,Mn,Na
CCB02	CCB02	1	1516	Fe,Mn,Na
CCV03	CCV03	1	1558	Fe,Mn,Na
CCB03	CCB03	1	1602	Fe,Mn,Na
CCV04	CCV04	1	1649	Fe,Mn,Na
CCB04	CCB04	1	1655	Fe,Mn,Na
PB168200BL	PB168200BL	1	1729	Fe,Mn,Na
PB168200BS	PB168200BS	1	1734	Fe,Mn,Na
CCV05	CCV05	1	1738	Fe,Mn,Na
CCB05	CCB05	1	1742	Fe,Mn,Na
CCV06	CCV06	1	1824	Fe,Mn,Na
CCB06	CCB06	1	1828	Fe,Mn,Na
CCV07	CCV07	1	1911	Fe,Mn,Na
CCB07	CCB07	1	1915	Fe,Mn,Na
CCV08	CCV08	1	1957	Fe,Mn,Na
CCB08	CCB08	1	2001	Fe,Mn,Na
CCV09	CCV09	1	2045	Fe,Mn,Na
CCB09	CCB09	1	2049	Fe,Mn,Na
CCV10	CCV10	1	2106	Fe,Mn,Na
CCB10	CCB10	1	2111	Fe,Mn,Na

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metals
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ANALYSIS RUN LOG

Client: G Environmental **Contract:** GENV01

Lab code: CHEM **Case no.:** Q2134 **Sas no.:** Q2134 **Sdg no.:** Q2134

Instrument id number: **Method:** **Run number:** LB135993

Start date: 06/03/2025 **End date:** 06/03/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1259	Fe,Mn,Na
S1	S1	1	1303	Fe,Mn,Na
S2	S2	1	1307	Fe,Mn,Na
S3	S3	1	1312	Fe,Mn,Na
S4	S4	1	1316	Fe,Mn,Na
S5	S5	1	1320	Fe,Mn,Na
ICV01	ICV01	1	1357	Fe,Mn,Na
LLICV01	LLICV01	1	1411	Fe,Mn,Na
ICB01	ICB01	1	1416	Fe,Mn,Na
CRI01	CRI01	1	1436	Fe,Mn,Na
ICSA01	ICSA01	1	1446	Fe,Mn,Na
ICSAB01	ICSAB01	1	1506	Fe,Mn,Na
CCV01	CCV01	1	1528	Fe,Mn,Na
CCB01	CCB01	1	1534	Fe,Mn,Na
Q2133-03DUP	SUPPLYDUP	1	1551	Fe,Mn,Na
Q2133-03L	SUPPLYL	5	1555	Fe,Mn,Na
Q2133-03MS	SUPPLYMS	1	1559	Fe,Mn,Na
Q2133-03MSD	SUPPLYMSD	1	1603	Fe,Mn,Na
Q2133-03A	SUPPLYA	1	1607	Mn
CCV02	CCV02	1	1616	Fe,Mn,Na
CCB02	CCB02	1	1620	Fe,Mn,Na
Q2134-01	MW10	1	1624	Fe,Mn,Na
CCV03	CCV03	1	1706	Fe,Mn,Na
CCB03	CCB03	1	1710	Fe,Mn,Na
CCV04	CCV04	1	1857	Fe,Mn,Na
CCB04	CCB04	1	1901	Fe,Mn,Na
CCV05	CCV05	1	1935	Fe,Mn,Na
CCB05	CCB05	1	1939	Fe,Mn,Na

METAL PREPARATION & INSTRUMENT DATA

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental **SDG No.:** Q2134

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q2134 **SAS No.:** Q2134

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
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ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental **SDG No.:** Q2134

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q2134 **SAS No.:** Q2134

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
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ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental **SDG No.:** Q2134

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q2134 **SAS No.:** Q2134

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
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ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental **SDG No.:** Q2134

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q2134 **SAS No.:** Q2134

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
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ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental **SDG No.:** Q2134

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q2134 **SAS No.:** Q2134

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:	Q2134	**OrderDate:**	5/28/2025 11:45:10 AM
Client:	G Environmental	**Project:**	DPW
Contact:	Gary Landis	**Location:**	L31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2134-01	**MW10**	**Water**			**05/27/25**			**05/28/25**
			Metals Group3	6010D		05/29/25	06/03/25	

METAL PREPARATION & ANALYICAL SUMMARY

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SAMPLE PREPARATION SUMMARY

Client: G Environmental **SDG No.:** Q2134

Contract: GENV01 **Lab Code:** CHEM **Method:**

Case No.: Q2134 **SAS No.:** Q2134

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB168200**						
PB168200BL	PB168200BL	MB	WATER	05/29/2025	50.0	25.0	
PB168200BS	PB168200BS	LCS	WATER	05/29/2025	50.0	25.0	
Q2133-03DUP	SUPPLYDUP	DUP	WATER	05/29/2025	50.0	25.0	
Q2133-03MS	SUPPLYMS	MS	WATER	05/29/2025	50.0	25.0	
Q2133-03MSD	SUPPLYMSD	MSD	WATER	05/29/2025	50.0	25.0	
Q2134-01	MW10	SAM	WATER	05/29/2025	50.0	25.0	

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135981

Review By	jaswal	Review On	6/3/2025 4:30:35 PM
Supervise By	Janvi	Supervise On	6/4/2025 10:58:40 AM

STD. NAME	STD REF.#
ICAL Standard	MP85545,MP85552,MP85549,MP85548,MP85547,MP85546
ICV Standard	MP85553
CCV Standard	MP85556
ICSA Standard	MP85554,MP85555
CRI Standard	MP85552
LCS Standard	
Chk Standard	MP85557,MP85558

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	06/02/25 12:12		Jaswal	OK
2	S1	S1	CAL2	06/02/25 12:16		Jaswal	OK
3	S2	S2	CAL3	06/02/25 12:21		Jaswal	OK
4	S3	S3	CAL4	06/02/25 12:25		Jaswal	OK
5	S4	S4	CAL5	06/02/25 12:29		Jaswal	OK
6	S5	S5	CAL6	06/02/25 12:33		Jaswal	OK
7	ICV01	ICV01	ICV	06/02/25 12:37		Jaswal	OK
8	LLICV01	LLICV01	LLICV	06/02/25 12:59		Jaswal	OK
9	ICB01	ICB01	ICB	06/02/25 13:03		Jaswal	OK
10	CRI01	CRI01	CRDL	06/02/25 13:08		Jaswal	OK
11	ICSA01	ICSA01	ICSA	06/02/25 13:12		Jaswal	OK
12	ICSAB01	ICSAB01	ICSAB	06/02/25 13:35		Jaswal	OK
13	ICSADL	ICSADL	ICSA	06/02/25 13:45		Jaswal	OK
14	ICSABDL	ICSABDL	ICSAB	06/02/25 13:56		Jaswal	OK
15	CCV01	CCV01	CCV	06/02/25 14:14		Jaswal	OK
16	CCB01	CCB01	CCB	06/02/25 14:28		Jaswal	OK
17	Q2136-05	OR-646-COMP-52	SAM	06/02/25 14:32		Jaswal	OK
18	Q2143-01	ELI-46-36-25-58-53	SAM	06/02/25 14:37		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135981

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Supervise By	Janvi	Supervise On	6/4/2025 10:58:40 AM

STD. NAME	STD REF.#
ICAL Standard	MP85545,MP85552,MP85549,MP85548,MP85547,MP85546
ICV Standard	MP85553
CCV Standard	MP85556
ICSA Standard	MP85554,MP85555
CRI Standard	MP85552
LCS Standard	
Chk Standard	MP85557,MP85558

19	Q2143-02	ELI-57-43-35-26	SAM	06/02/25 14:41		Jaswal	OK
20	Q2146-04	TP04-MHN-WC	SAM	06/02/25 14:46		Jaswal	OK
21	Q2146-01	TP04-MHN-WC	SAM	06/02/25 14:50		Jaswal	OK
22	Q2146-01DUP	TP04-MHN-WCDUP	DUP	06/02/25 14:54		Jaswal	OK
23	Q2146-01L	TP04-MHN-WCL	SD	06/02/25 14:59		Jaswal	OK
24	Q2146-01MS	TP04-MHN-WCMS	MS	06/02/25 15:03		Jaswal	OK
25	Q2146-01MSD	TP04-MHN-WCMSD	MSD	06/02/25 15:07		Jaswal	OK
26	CCV02	CCV02	CCV	06/02/25 15:11		Jaswal	OK
27	CCB02	CCB02	CCB	06/02/25 15:16		Jaswal	OK
28	Q2146-01A	TP04-MHN-WCA	PS	06/02/25 15:20		Jaswal	OK
29	Q2102-05	LAW-25-0077	SAM	06/02/25 15:24		Jaswal	OK
30	Q2144-01	OILY-DEBRIS-COMP-	SAM	06/02/25 15:28		Jaswal	OK
31	Q2144-02	OILY-DEBRIS-COMP-	SAM	06/02/25 15:33		Jaswal	OK
32	Q2149-01	FILTER-CAKE	SAM	06/02/25 15:37		Jaswal	OK
33	Q2153-01	TR-04-0592025	SAM	06/02/25 15:42		Jaswal	OK
34	Q2152-01	OK-02-05292025	SAM	06/02/25 15:46		Jaswal	OK
35	Q2152-01DUP	OK-02-05292025DUP	DUP	06/02/25 15:50		Jaswal	OK
36	Q2152-01L	OK-02-05292025L	SD	06/02/25 15:54		Jaswal	OK
37	CCV03	CCV03	CCV	06/02/25 15:58		Jaswal	OK
38	CCB03	CCB03	CCB	06/02/25 16:02		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135981

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Supervise By	Janvi	Supervise On	6/4/2025 10:58:40 AM

STD. NAME	STD REF.#
ICAL Standard	MP85545,MP85552,MP85549,MP85548,MP85547,MP85546
ICV Standard	MP85553
CCV Standard	MP85556
ICSA Standard	MP85554,MP85555
CRI Standard	MP85552
LCS Standard	
Chk Standard	MP85557,MP85558

39	Q2152-01MS	OK-02-05292025MS	MS	06/02/25 16:06		Jaswal	OK
40	Q2152-01MSD	OK-02-05292025MSD	MSD	06/02/25 16:10		Jaswal	OK
41	Q2152-01A	OK-02-05292025A	PS	06/02/25 16:14		Jaswal	OK
42	Q2151-01	WC-1	SAM	06/02/25 16:18		Jaswal	OK
43	Q2151-04	WC-1	SAM	06/02/25 16:22		Jaswal	OK
44	Q2151-04DUP	WC-1DUP	DUP	06/02/25 16:27		Jaswal	OK
45	Q2151-04L	WC-1L	SD	06/02/25 16:31		Jaswal	OK
46	Q2151-04MS	WC-1MS	MS	06/02/25 16:36		Jaswal	OK
47	Q2151-04MSD	WC-1MSD	MSD	06/02/25 16:40		Jaswal	OK
48	CCV04	CCV04	CCV	06/02/25 16:49		Jaswal	OK
49	CCB04	CCB04	CCB	06/02/25 16:55		Jaswal	OK
50	Q2151-04A	WC-1A	PS	06/02/25 17:00		Jaswal	OK
51	Q2137-03DL	MOO-25-0149DL	SAM	06/02/25 17:04	Straight 5x for all elements	Jaswal	OK
52	PB168190TB	PB168190TB	MB	06/02/25 17:08		Jaswal	OK
53	PB168214BL	PB168214BL	MB	06/02/25 17:13		Jaswal	OK
54	PB168214BS	PB168214BS	LCS	06/02/25 17:17		Jaswal	OK
55	PB168215BL	PB168215BL	MB	06/02/25 17:21		Jaswal	OK
56	PB168215BS	PB168215BS	LCS	06/02/25 17:25		Jaswal	OK
57	PB168200BL	PB168200BL	MB	06/02/25 17:29		Jaswal	OK
58	PB168200BS	PB168200BS	LCS	06/02/25 17:34		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135981

Review By	jaswal	Review On	6/3/2025 4:30:35 PM
Supervise By	Janvi	Supervise On	6/4/2025 10:58:40 AM

STD. NAME	STD REF.#
ICAL Standard	MP85545,MP85552,MP85549,MP85548,MP85547,MP85546
ICV Standard	MP85553
CCV Standard	MP85556
ICSA Standard	MP85554,MP85555
CRI Standard	MP85552
LCS Standard	
Chk Standard	MP85557,MP85558

59	CCV05	CCV05	CCV	06/02/25 17:38		Jaswal	OK
60	CCB05	CCB05	CCB	06/02/25 17:42		Jaswal	OK
61	Q2150-01	TP-44	SAM	06/02/25 17:47		Jaswal	OK
62	Q2150-02	TP-42	SAM	06/02/25 17:51		Jaswal	OK
63	Q2150-03	TP-39	SAM	06/02/25 17:55		Jaswal	OK
64	Q2150-04	TP-48	SAM	06/02/25 17:59		Jaswal	OK
65	Q2150-05	TP-47	SAM	06/02/25 18:03		Jaswal	OK
66	Q2150-06	TP-50	SAM	06/02/25 18:07		Jaswal	OK
67	Q2150-07	TP-51	SAM	06/02/25 18:12		Jaswal	OK
68	Q2150-08	TP-52	SAM	06/02/25 18:16		Jaswal	OK
69	Q2150-09	TP-54	SAM	06/02/25 18:20		Jaswal	OK
70	CCV06	CCV06	CCV	06/02/25 18:24		Jaswal	OK
71	CCB06	CCB06	CCB	06/02/25 18:28		Jaswal	OK
72	Q2150-10	TP-53	SAM	06/02/25 18:33		Jaswal	OK
73	Q2133-01	MW1	SAM	06/02/25 18:37		Jaswal	OK
74	Q2133-02	MW5	SAM	06/02/25 18:41	NOT USE	Jaswal	Not Ok
75	Q2133-03	SUPPLY	SAM	06/02/25 18:45	NOT USE	Jaswal	Not Ok
76	Q2133-03DUP	SUPPLYDUP	DUP	06/02/25 18:50	NOT USE	Jaswal	Not Ok
77	Q2133-03L	SUPPLYL	SD	06/02/25 18:54	NOT USE	Jaswal	Not Ok
78	Q2133-03MS	SUPPLYMS	MS	06/02/25 18:59	NOT USE	Jaswal	Not Ok

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135981

Review By	jaswal	Review On	6/3/2025 4:30:35 PM
Supervise By	Janvi	Supervise On	6/4/2025 10:58:40 AM

STD. NAME	STD REF.#
ICAL Standard	MP85545,MP85552,MP85549,MP85548,MP85547,MP85546
ICV Standard	MP85553
CCV Standard	MP85556
ICSA Standard	MP85554,MP85555
CRI Standard	MP85552
LCS Standard	
Chk Standard	MP85557,MP85558

79	Q2133-03MSD	SUPPLYMSD	MSD	06/02/25 19:03	NOT USE	Jaswal	Not Ok
80	Q2133-03A	SUPPLYA	PS	06/02/25 19:07	NOT USE	Jaswal	Not Ok
81	CCV07	CCV07	CCV	06/02/25 19:11		Jaswal	OK
82	CCB07	CCB07	CCB	06/02/25 19:15		Jaswal	OK
83	Q2134-01	MW10	SAM	06/02/25 19:19	NOT USE	Jaswal	Not Ok
84	Q2101-01	TP-1-MHE	SAM	06/02/25 19:24	NOT USE	Jaswal	Not Ok
85	Q2101-01DUP	TP-1-MHEDUP	DUP	06/02/25 19:28	NOT USE	Jaswal	Not Ok
86	Q2101-01L	TP-1-MHEL	SD	06/02/25 19:32	NOT USE	Jaswal	Not Ok
87	Q2101-01MS	TP-1-MHEMS	MS	06/02/25 19:36	NOT USE	Jaswal	Not Ok
88	Q2101-01MSD	TP-1-MHEMSD	MSD	06/02/25 19:40	NOT USE	Jaswal	Not Ok
89	Q2101-01A	TP-1-MHEA	PS	06/02/25 19:45	NOT USE	Jaswal	Not Ok
90	Q2159-01	TP05-MHO-WC	SAM	06/02/25 19:49	NOT USE	Jaswal	Not Ok
91	Q2160-01	TP04-MHG-WC	SAM	06/02/25 19:53		Jaswal	OK
92	CCV08	CCV08	CCV	06/02/25 19:57		Jaswal	OK
93	CCB08	CCB08	CCB	06/02/25 20:01		Jaswal	OK
94	Q2172-01	TP06-MHQ	SAM	06/02/25 20:06	NOT USE	Jaswal	Not Ok
95	Q2172-01DUP	TP06-MHQDUP	DUP	06/02/25 20:10	NOT USE	Jaswal	Not Ok
96	Q2172-01L	TP06-MHQL	SD	06/02/25 20:14	NOT USE	Jaswal	Not Ok
97	Q2172-01MS	TP06-MHQMS	MS	06/02/25 20:18	NOT USE	Jaswal	Not Ok
98	Q2172-01MSD	TP06-MHQMSD	MSD	06/02/25 20:23	NOT USE	Jaswal	Not Ok

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135981

Review By	jaswal	Review On	6/3/2025 4:30:35 PM
Supervise By	Janvi	Supervise On	6/4/2025 10:58:40 AM

STD. NAME	STD REF.#
ICAL Standard	MP85545,MP85552,MP85549,MP85548,MP85547,MP85546
ICV Standard	MP85553
CCV Standard	MP85556
ICSA Standard	MP85554,MP85555
CRI Standard	MP85552
LCS Standard	
Chk Standard	MP85557,MP85558

99	Q2172-01A	TP06-MHQA	PS	06/02/25 20:27	NOT USE	Jaswal	Not Ok
100	Q2173-01	OR-400-CF-402B-CO	SAM	06/02/25 20:32	NOT USE	Jaswal	Not Ok
101	Q2173-07	OR-400-CF-402B-CO	SAM	06/02/25 20:36	NOT USE	Jaswal	Not Ok
102	Q2173-13	OR-400-CF-402B-CO	SAM	06/02/25 20:41	NOT USE	Jaswal	Not Ok
103	CCV09	CCV09	CCV	06/02/25 20:45		Jaswal	OK
104	CCB09	CCB09	CCB	06/02/25 20:49		Jaswal	OK
105	PB168236BL	PB168236BL	MB	06/02/25 20:54	NOT USE	Jaswal	Not Ok
106	PB168236BS	PB168236BS	LCS	06/02/25 20:58	NOT USE	Jaswal	Not Ok
107	Q2175-02	52725	SAM	06/02/25 21:02	NOT USE	Jaswal	Not Ok
108	CCV10	CCV10	CCV	06/02/25 21:06	CCV fail for all elements	Jaswal	OK
109	CCB10	CCB10	CCB	06/02/25 21:11		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135993

Review By	jaswal	Review On	6/4/2025 11:10:08 AM
Supervise By	mohan	Supervise On	6/4/2025 11:30:02 AM

STD. NAME	STD REF.#
ICAL Standard	MP85545,MP85552,MP85549,MP85548,MP85547,MP85546
ICV Standard	MP85553
CCV Standard	MP85556
ICSA Standard	MP85554,MP85555
CRI Standard	MP85552
LCS Standard	
Chk Standard	MP85557,MP85558

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	06/03/25 12:59		Jaswal	OK
2	S1	S1	CAL2	06/03/25 13:03		Jaswal	OK
3	S2	S2	CAL3	06/03/25 13:07		Jaswal	OK
4	S3	S3	CAL4	06/03/25 13:12		Jaswal	OK
5	S4	S4	CAL5	06/03/25 13:16		Jaswal	OK
6	S5	S5	CAL6	06/03/25 13:20		Jaswal	OK
7	ICV01	ICV01	ICV	06/03/25 13:57		Jaswal	OK
8	LLICV01	LLICV01	LLICV	06/03/25 14:11		Jaswal	OK
9	ICB01	ICB01	ICB	06/03/25 14:16		Jaswal	OK
10	CRI01	CRI01	CRDL	06/03/25 14:36		Jaswal	OK
11	ICSA01	ICSA01	ICSA	06/03/25 14:46		Jaswal	OK
12	ICSAB01	ICSAB01	ICSAB	06/03/25 15:06		Jaswal	OK
13	ICSADL	ICSADL	ICSA	06/03/25 15:16		Jaswal	OK
14	ICSABDL	ICSABDL	ICSAB	06/03/25 15:22		Jaswal	OK
15	CCV01	CCV01	CCV	06/03/25 15:28		Jaswal	OK
16	CCB01	CCB01	CCB	06/03/25 15:34		Jaswal	OK
17	Q2130-02	TP-3	SAM	06/03/25 15:38		Jaswal	OK
18	Q2133-02	MW5	SAM	06/03/25 15:42	Na oversaturated	Jaswal	Dilution

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135993

Review By	jaswal	Review On	6/4/2025 11:10:08 AM
Supervise By	mohan	Supervise On	6/4/2025 11:30:02 AM

STD. NAME	STD REF.#
ICAL Standard	MP85545,MP85552,MP85549,MP85548,MP85547,MP85546
ICV Standard	MP85553
CCV Standard	MP85556
ICSA Standard	MP85554,MP85555
CRI Standard	MP85552
LCS Standard	
Chk Standard	MP85557,MP85558

19	Q2133-03	SUPPLY	SAM	06/03/25 15:47		Jaswal	OK
20	Q2133-03DUP	SUPPLYDUP	DUP	06/03/25 15:51		Jaswal	OK
21	Q2133-03L	SUPPLYL	SD	06/03/25 15:55		Jaswal	OK
22	Q2133-03MS	SUPPLYMS	MS	06/03/25 15:59		Jaswal	OK
23	Q2133-03MSD	SUPPLYMSD	MSD	06/03/25 16:03		Jaswal	OK
24	Q2133-03A	SUPPLYA	PS	06/03/25 16:07		Jaswal	OK
25	Q2175-02	52725	SAM	06/03/25 16:11		Jaswal	OK
26	CCV02	CCV02	CCV	06/03/25 16:16		Jaswal	OK
27	CCB02	CCB02	CCB	06/03/25 16:20		Jaswal	OK
28	Q2134-01	MW10	SAM	06/03/25 16:24		Jaswal	OK
29	Q2101-01	TP-1-MHE	SAM	06/03/25 16:29		Jaswal	OK
30	Q2101-01DUP	TP-1-MHEDUP	DUP	06/03/25 16:33		Jaswal	OK
31	Q2101-01L	TP-1-MHEL	SD	06/03/25 16:37		Jaswal	OK
32	Q2101-01MS	TP-1-MHEMS	MS	06/03/25 16:41		Jaswal	OK
33	Q2101-01MSD	TP-1-MHEMSD	MSD	06/03/25 16:45		Jaswal	OK
34	Q2101-01A	TP-1-MHEA	PS	06/03/25 16:49		Jaswal	OK
35	PB168236BL	PB168236BL	MB	06/03/25 16:53		Jaswal	OK
36	PB168236BS	PB168236BS	LCS	06/03/25 16:58		Jaswal	OK
37	Q2133-02DL	MW5DL	SAM	06/03/25 17:02	5x for Na	Jaswal	Confirms
38	CCV03	CCV03	CCV	06/03/25 17:06		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135993

Review By	jaswal	Review On	6/4/2025 11:10:08 AM
Supervise By	mohan	Supervise On	6/4/2025 11:30:02 AM

STD. NAME	STD REF.#
ICAL Standard	MP85545,MP85552,MP85549,MP85548,MP85547,MP85546
ICV Standard	MP85553
CCV Standard	MP85556
ICSA Standard	MP85554,MP85555
CRI Standard	MP85552
LCS Standard	
Chk Standard	MP85557,MP85558

39	CCB03	CCB03	CCB	06/03/25 17:10		Jaswal	OK
40	Q2172-01	TP06-MHQ	SAM	06/03/25 17:15	DUP fail for many parameters	Jaswal	Not Ok
41	Q2172-01DUP	TP06-MHQDUP	DUP	06/03/25 17:19	DUP fail for many parameters	Jaswal	Not Ok
42	Q2172-01L	TP06-MHQL	SD	06/03/25 17:33	DUP fail for many parameters	Jaswal	Not Ok
43	Q2172-01MS	TP06-MHQMS	MS	06/03/25 17:37	DUP fail for many parameters	Jaswal	Not Ok
44	Q2172-01MSD	TP06-MHQMSD	MSD	06/03/25 17:41	DUP fail for many parameters	Jaswal	Not Ok
45	Q2172-01A	TP06-MHQA	PS	06/03/25 17:45	DUP fail for many parameters	Jaswal	Not Ok
46	Q2173-07	OR-400-CF-402B-CO	SAM	06/03/25 17:49		Jaswal	OK
47	Q2173-13	OR-400-CF-402B-CO	SAM	06/03/25 17:53		Jaswal	OK
48	Q2159-01	TP05-MHO-WC	SAM	06/03/25 17:57		Jaswal	OK
49	Q2173-01	OR-400-CF-402B-CO	SAM	06/03/25 18:01		Jaswal	OK
50	CCV04	CCV04	CCV	06/03/25 18:57		Jaswal	OK
51	CCB04	CCB04	CCB	06/03/25 19:01		Jaswal	OK
52	Q2159-04	TP05-MHO-WC	SAM	06/03/25 19:06		Jaswal	OK
53	Q2160-04	TP04-MHG-WC	SAM	06/03/25 19:10		Jaswal	OK
54	Q2160-08	TP05-MHH-WC	SAM	06/03/25 19:15		Jaswal	OK
55	Q2173-06	OR-400-CF-402B-CO	SAM	06/03/25 19:22		Jaswal	OK
56	Q2173-12	OR-400-CF-402B-CO	SAM	06/03/25 19:26		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135993

Review By	jaswal	Review On	6/4/2025 11:10:08 AM
Supervise By	mohan	Supervise On	6/4/2025 11:30:02 AM

STD. NAME	STD REF.#
ICAL Standard	MP85545,MP85552,MP85549,MP85548,MP85547,MP85546
ICV Standard	MP85553
CCV Standard	MP85556
ICSA Standard	MP85554,MP85555
CRI Standard	MP85552
LCS Standard	
Chk Standard	MP85557,MP85558

57	Q2173-18	OR-400-CF-402B-CO	SAM	06/03/25 19:31		Jaswal	OK
58	CCV05	CCV05	CCV	06/03/25 19:35		Jaswal	OK
59	CCB05	CCB05	CCB	06/03/25 19:39		Jaswal	OK

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB168200

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: 05/29/2025 **Time :** 10:15 **Temp :** 96 °C

End Digest Date: 05/29/2025 **Time :** 13:21 **Temp :** 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: SKG.

Supervisor Signature:

Temp : 1. 96°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
LFS-1	0.25	M6007
LFS-2	0.25	M6016
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#1CELL#50 96 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
05/29/25 14:21	SKG. met. dig.	MB. metal Lab
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB168200

Lab Sample ID	Client Sample ID	pH	Initial Vol (ml)	Final Vol (ml)	Color Before	Color After	Clarity Before	Clarity After	Comment	Prep Pos
PB168200BL	PBW200	<2	50	25	Colorless	Colorless	Clear	N/A	N/A	22
PB168200BS	LCS200	<2	50	25	Colorless	Colorless	Clear	N/A	M6007,M6016	23
Q2133-01	MW1	<2	50	25	light Brown	Colorless	Cloudy	N/A	N/A	24
Q2133-02	MW5	<2	50	25	light Brown	Colorless	Cloudy	N/A	N/A	25
Q2133-03	SUPPLY	<2	50	25	Colorless	Colorless	Clear	N/A	N/A	26
Q2133-03MS	SUPPLYMS	<2	50	25	Colorless	Colorless	Clear	N/A	M6007,M6016	28
Q2133-03MSD	SUPPLYMSD	<2	50	25	Colorless	Colorless	Clear	N/A	M6007,M6016	29
Q2133-03DUP	SUPPLYDUP	<2	50	25	Colorless	Colorless	Clear	N/A	N/A	27
Q2134-01	MW10	<2	50	25	Colorless	Colorless	Clear	N/A	N/A	30
Q2137-03	MOO-25-0149	<2	50	50	Pink	Colorless	Clear	N/A	N/A	31

A B C D E F G H I J