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Hit Summary Sheet
SW-846

SDG No.: Q2743 **Order ID:** Q2743

Client: G Environmental **Project ID:** Capra

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : WC1								
Q2743-02	WC1	TCLP	Barium	2320		72.8	500	ug/L
Q2743-02	WC1	TCLP	Cadmium	7.09	J	2.50	30.0	ug/L
Q2743-02	WC1	TCLP	Lead	1250		11.5	60.0	ug/L
Q2743-02	WC1	TCLP	Mercury	1.32	J	0.76	2.00	ug/L

SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	G Environmental	Date Collected:	07/31/25
Project:	Capra	Date Received:	07/31/25
Client Sample ID:	WC1	SDG No.:	Q2743
Lab Sample ID:	Q2743-02	Matrix:	TCLP
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-38-2	Arsenic	25.6	U	1	25.6	100	ug/L	08/04/25 12:30	08/04/25 16:16	6010D	SW3050
7440-39-3	Barium	2320	N	1	72.8	500	ug/L	08/04/25 12:30	08/04/25 16:16	6010D	SW3050
7440-43-9	Cadmium	7.09	J	1	2.50	30.0	ug/L	08/04/25 12:30	08/04/25 16:16	6010D	SW3050
7440-47-3	Chromium	10.6	U	1	10.6	50.0	ug/L	08/04/25 12:30	08/04/25 16:16	6010D	SW3050
7439-92-1	Lead	1250		1	11.5	60.0	ug/L	08/04/25 12:30	08/04/25 16:16	6010D	SW3050
7439-97-6	Mercury	1.32	J	1	0.76	2.00	ug/L	08/05/25 12:33	08/06/25 09:35	7470A	
7782-49-2	Selenium	48.2	U	1	48.2	100	ug/L	08/04/25 12:30	08/04/25 16:16	6010D	SW3050
7440-22-4	Silver	8.10	U	1	8.10	50.0	ug/L	08/04/25 12:30	08/04/25 16:16	6010D	SW3050

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	TCLP METALS				

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.:** Q2743

Contract: GENV01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB54	Mercury	0.076	+/-0.2	U	0.20	CV	08/06/2025	09:12	LB136721

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q2743

Contract: GENV01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB89	Mercury	0.076	+/-0.2	U	0.20	CV	08/06/2025	09:17	LB136721
CCB90	Mercury	0.076	+/-0.2	U	0.20	CV	08/06/2025	09:51	LB136721
CCB91	Mercury	0.076	+/-0.2	U	0.20	CV	08/06/2025	10:04	LB136721

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q2743

Contract: GENV01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Arsenic	5.12	+/-10	U	20.0	P	08/04/2025	11:52	LB136697
	Barium	14.6	+/-50	U	100	P	08/04/2025	11:52	LB136697
	Cadmium	0.50	+/-3	U	6.00	P	08/04/2025	11:52	LB136697
	Chromium	2.12	+/-5	U	10.0	P	08/04/2025	11:52	LB136697
	Lead	2.30	+/-6	U	12.0	P	08/04/2025	11:52	LB136697
	Selenium	9.64	+/-10	U	20.0	P	08/04/2025	11:52	LB136697
	Silver	1.62	+/-5	U	10.0	P	08/04/2025	11:52	LB136697

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q2743

Contract: GENV01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Arsenic	5.12	+/-10	U	20.0	P	08/04/2025	12:29	LB136697
	Barium	14.6	+/-50	U	100	P	08/04/2025	12:29	LB136697
	Cadmium	0.50	+/-3	U	6.00	P	08/04/2025	12:29	LB136697
	Chromium	2.12	+/-5	U	10.0	P	08/04/2025	12:29	LB136697
	Lead	2.30	+/-6	U	12.0	P	08/04/2025	12:29	LB136697
	Selenium	9.64	+/-10	U	20.0	P	08/04/2025	12:29	LB136697
	Silver	1.62	+/-5	U	10.0	P	08/04/2025	12:29	LB136697
CCB02	Arsenic	5.12	+/-10	U	20.0	P	08/04/2025	13:41	LB136697
	Barium	14.6	+/-50	U	100	P	08/04/2025	13:41	LB136697
	Cadmium	0.50	+/-3	U	6.00	P	08/04/2025	13:41	LB136697
	Chromium	2.12	+/-5	U	10.0	P	08/04/2025	13:41	LB136697
	Lead	2.30	+/-6	U	12.0	P	08/04/2025	13:41	LB136697
	Selenium	9.64	+/-10	U	20.0	P	08/04/2025	13:41	LB136697
	Silver	1.62	+/-5	U	10.0	P	08/04/2025	13:41	LB136697
CCB03	Arsenic	5.12	+/-10	U	20.0	P	08/04/2025	14:54	LB136697
	Barium	14.6	+/-50	U	100	P	08/04/2025	14:54	LB136697
	Cadmium	0.50	+/-3	U	6.00	P	08/04/2025	14:54	LB136697
	Chromium	2.12	+/-5	U	10.0	P	08/04/2025	14:54	LB136697
	Lead	2.30	+/-6	U	12.0	P	08/04/2025	14:54	LB136697
	Selenium	9.64	+/-10	U	20.0	P	08/04/2025	14:54	LB136697
	Silver	1.62	+/-5	U	10.0	P	08/04/2025	14:54	LB136697
CCB04	Arsenic	5.12	+/-10	U	20.0	P	08/04/2025	15:53	LB136697
	Barium	14.6	+/-50	U	100	P	08/04/2025	15:53	LB136697
	Cadmium	0.50	+/-3	U	6.00	P	08/04/2025	15:53	LB136697
	Chromium	2.12	+/-5	U	10.0	P	08/04/2025	15:53	LB136697
	Lead	2.30	+/-6	U	12.0	P	08/04/2025	15:53	LB136697
	Selenium	9.64	+/-10	U	20.0	P	08/04/2025	15:53	LB136697
	Silver	1.62	+/-5	U	10.0	P	08/04/2025	15:53	LB136697
CCB05	Arsenic	5.12	+/-10	U	20.0	P	08/04/2025	16:55	LB136697
	Barium	14.6	+/-50	U	100	P	08/04/2025	16:55	LB136697
	Cadmium	0.50	+/-3	U	6.00	P	08/04/2025	16:55	LB136697
	Chromium	2.12	+/-5	U	10.0	P	08/04/2025	16:55	LB136697
	Lead	2.30	+/-6	U	12.0	P	08/04/2025	16:55	LB136697
	Selenium	9.64	+/-10	U	20.0	P	08/04/2025	16:55	LB136697
	Silver	1.62	+/-5	U	10.0	P	08/04/2025	16:55	LB136697
CCB06	Arsenic	5.12	+/-10	U	20.0	P	08/04/2025	17:45	LB136697
	Barium	14.6	+/-50	U	100	P	08/04/2025	17:45	LB136697
	Cadmium	0.50	+/-3	U	6.00	P	08/04/2025	17:45	LB136697
	Chromium	2.12	+/-5	U	10.0	P	08/04/2025	17:45	LB136697

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q2743

Contract: GENV01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Lead	2.30	+/-6	U	12.0	P	08/04/2025	17:45	LB136697
	Selenium	9.64	+/-10	U	20.0	P	08/04/2025	17:45	LB136697
	Silver	1.62	+/-5	U	10.0	P	08/04/2025	17:45	LB136697
CCB07	Arsenic	5.12	+/-10	U	20.0	P	08/04/2025	18:02	LB136697
	Barium	14.6	+/-50	U	100	P	08/04/2025	18:02	LB136697
	Cadmium	0.50	+/-3	U	6.00	P	08/04/2025	18:02	LB136697
	Chromium	2.12	+/-5	U	10.0	P	08/04/2025	18:02	LB136697
	Lead	2.30	+/-6	U	12.0	P	08/04/2025	18:02	LB136697
	Selenium	9.64	+/-10	U	20.0	P	08/04/2025	18:02	LB136697
	Silver	1.62	+/-5	U	10.0	P	08/04/2025	18:02	LB136697

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q2743

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB169079TB		**WATER**		**Batch Number:**	**PB169140**		**Prep Date:**	**08/05/2025**	
	Mercury	0.76	<2	U	2.00	CV	08/06/2025	09:55	LB136721

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB169140BL		**WATER**		**Batch Number:**	**PB169140**		**Prep Date:**	**08/05/2025**	
	Mercury	0.076	<0.2	U	0.20	CV	08/06/2025	09:28	LB136721

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q2743

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB169079TB		**WATER**		**Batch Number:**	**PB169101**		**Prep Date:**	**08/04/2025**	
	Arsenic	25.6	<50	U	100	P	08/04/2025	16:46	LB136697
	Barium	72.8	<250	U	500	P	08/04/2025	16:46	LB136697
	Cadmium	2.50	<15	U	30.0	P	08/04/2025	16:46	LB136697
	Chromium	10.6	<25	U	50.0	P	08/04/2025	16:46	LB136697
	Lead	11.5	<30	U	60.0	P	08/04/2025	16:46	LB136697
	Selenium	48.2	<50	U	100	P	08/04/2025	16:46	LB136697
	Silver	8.10	<25	U	50.0	P	08/04/2025	16:46	LB136697

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB169101BL		**WATER**		**Batch Number:**	**PB169101**		**Prep Date:**	**08/04/2025**	
	Arsenic	25.6	<50	U	100	P	08/04/2025	16:59	LB136697
	Barium	72.8	<250	U	500	P	08/04/2025	16:59	LB136697
	Cadmium	2.50	<15	U	30.0	P	08/04/2025	16:59	LB136697
	Chromium	10.6	<25	U	50.0	P	08/04/2025	16:59	LB136697
	Lead	11.5	<30	U	60.0	P	08/04/2025	16:59	LB136697
	Selenium	48.2	<50	U	100	P	08/04/2025	16:59	LB136697
	Silver	8.10	<25	U	50.0	P	08/04/2025	16:59	LB136697

METAL CALIBRATION DATA

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q2743

Contract: GENV01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV54	Mercury	4.09	4.0	102	90 - 110	CV	08/06/2025	09:10	LB136721

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q2743

Contract: GENV01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV89	Mercury	4.83	5.0	97	90 - 110	CV	08/06/2025	09:14	LB136721
CCV90	Mercury	4.82	5.0	96	90 - 110	CV	08/06/2025	09:49	LB136721
CCV91	Mercury	4.78	5.0	96	90 - 110	CV	08/06/2025	10:02	LB136721

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q2743

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	Arsenic	3970	4000	99	90 - 110	P	08/04/2025	11:41	LB136697
	Barium	7810	8000	98	90 - 110	P	08/04/2025	11:41	LB136697
	Cadmium	1980	2000	99	90 - 110	P	08/04/2025	11:41	LB136697
	Chromium	812	800	102	90 - 110	P	08/04/2025	11:41	LB136697
	Lead	4080	4000	102	90 - 110	P	08/04/2025	11:41	LB136697
	Selenium	4000	4000	100	90 - 110	P	08/04/2025	11:41	LB136697
	Silver	982	1000	98	90 - 110	P	08/04/2025	11:41	LB136697

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q2743

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	Arsenic	21.5	20.0	108	80 - 120	P	08/04/2025	11:45	LB136697
	Barium	106	100	106	80 - 120	P	08/04/2025	11:45	LB136697
	Cadmium	6.26	6.0	104	80 - 120	P	08/04/2025	11:45	LB136697
	Chromium	8.92	10.0	89	80 - 120	P	08/04/2025	11:45	LB136697
	Lead	12.4	12.0	103	80 - 120	P	08/04/2025	11:45	LB136697
	Selenium	20.1	20.0	101	80 - 120	P	08/04/2025	11:45	LB136697
	Silver	10.7	10.0	106	80 - 120	P	08/04/2025	11:45	LB136697

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q2743

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	Arsenic	5060	5000	101	90 - 110	P	08/04/2025	12:25	LB136697
	Barium	9830	10000	98	90 - 110	P	08/04/2025	12:25	LB136697
	Cadmium	2530	2500	101	90 - 110	P	08/04/2025	12:25	LB136697
	Chromium	969	1000	97	90 - 110	P	08/04/2025	12:25	LB136697
	Lead	5010	5000	100	90 - 110	P	08/04/2025	12:25	LB136697
	Selenium	5080	5000	102	90 - 110	P	08/04/2025	12:25	LB136697
	Silver	1220	1250	98	90 - 110	P	08/04/2025	12:25	LB136697
CCV02	Arsenic	5040	5000	101	90 - 110	P	08/04/2025	13:37	LB136697
	Barium	10100	10000	101	90 - 110	P	08/04/2025	13:37	LB136697
	Cadmium	2530	2500	101	90 - 110	P	08/04/2025	13:37	LB136697
	Chromium	1000	1000	100	90 - 110	P	08/04/2025	13:37	LB136697
	Lead	5020	5000	100	90 - 110	P	08/04/2025	13:37	LB136697
	Selenium	5050	5000	101	90 - 110	P	08/04/2025	13:37	LB136697
	Silver	1250	1250	100	90 - 110	P	08/04/2025	13:37	LB136697
CCV03	Arsenic	4890	5000	98	90 - 110	P	08/04/2025	14:43	LB136697
	Barium	9740	10000	97	90 - 110	P	08/04/2025	14:43	LB136697
	Cadmium	2310	2500	92	90 - 110	P	08/04/2025	14:43	LB136697
	Chromium	907	1000	91	90 - 110	P	08/04/2025	14:43	LB136697
	Lead	4640	5000	93	90 - 110	P	08/04/2025	14:43	LB136697
	Selenium	5050	5000	101	90 - 110	P	08/04/2025	14:43	LB136697
	Silver	1210	1250	97	90 - 110	P	08/04/2025	14:43	LB136697
CCV04	Arsenic	4930	5000	99	90 - 110	P	08/04/2025	15:48	LB136697
	Barium	10100	10000	101	90 - 110	P	08/04/2025	15:48	LB136697
	Cadmium	2340	2500	94	90 - 110	P	08/04/2025	15:48	LB136697
	Chromium	916	1000	92	90 - 110	P	08/04/2025	15:48	LB136697
	Lead	4720	5000	94	90 - 110	P	08/04/2025	15:48	LB136697
	Selenium	5070	5000	101	90 - 110	P	08/04/2025	15:48	LB136697
	Silver	1230	1250	98	90 - 110	P	08/04/2025	15:48	LB136697
CCV05	Arsenic	5050	5000	101	90 - 110	P	08/04/2025	16:51	LB136697
	Barium	10200	10000	102	90 - 110	P	08/04/2025	16:51	LB136697
	Cadmium	2360	2500	94	90 - 110	P	08/04/2025	16:51	LB136697
	Chromium	925	1000	92	90 - 110	P	08/04/2025	16:51	LB136697
	Lead	4760	5000	95	90 - 110	P	08/04/2025	16:51	LB136697
	Selenium	5200	5000	104	90 - 110	P	08/04/2025	16:51	LB136697

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q2743

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
CCV05	Silver	1250	1250	100	90 - 110	P	08/04/2025	16:51	LB136697
CCV06	Arsenic	5210	5000	104	90 - 110	P	08/04/2025	17:41	LB136697
	Barium	10500	10000	105	90 - 110	P	08/04/2025	17:41	LB136697
	Cadmium	2460	2500	98	90 - 110	P	08/04/2025	17:41	LB136697
	Chromium	982	1000	98	90 - 110	P	08/04/2025	17:41	LB136697
	Lead	4950	5000	99	90 - 110	P	08/04/2025	17:41	LB136697
	Selenium	5380	5000	108	90 - 110	P	08/04/2025	17:41	LB136697
	Silver	1300	1250	104	90 - 110	P	08/04/2025	17:41	LB136697
CCV07	Arsenic	5180	5000	104	90 - 110	P	08/04/2025	17:58	LB136697
	Barium	10500	10000	105	90 - 110	P	08/04/2025	17:58	LB136697
	Cadmium	2460	2500	98	90 - 110	P	08/04/2025	17:58	LB136697
	Chromium	966	1000	97	90 - 110	P	08/04/2025	17:58	LB136697
	Lead	4950	5000	99	90 - 110	P	08/04/2025	17:58	LB136697
	Selenium	5300	5000	106	90 - 110	P	08/04/2025	17:58	LB136697
	Silver	1280	1250	103	90 - 110	P	08/04/2025	17:58	LB136697

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Metals

- 2b -
CRDL STANDARD FOR AA & ICP

Client: G Environmental **SDG No.:** Q2743

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	Arsenic	20.1	20.0	101	65 - 135	P	08/04/2025	11:57	LB136697
	Barium	103	100	103	65 - 135	P	08/04/2025	11:57	LB136697
	Cadmium	6.14	6.0	102	65 - 135	P	08/04/2025	11:57	LB136697
	Chromium	9.85	10.0	98	65 - 135	P	08/04/2025	11:57	LB136697
	Lead	11.2	12.0	93	65 - 135	P	08/04/2025	11:57	LB136697
	Selenium	22.0	20.0	110	65 - 135	P	08/04/2025	11:57	LB136697
	Silver	11.1	10.0	110	65 - 135	P	08/04/2025	11:57	LB136697
CRA	Mercury	0.24	0.2	119	70 - 130	CV	08/06/2025	09:19	LB136721

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Metals
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INTERFERENCE CHECK SAMPLE

Client: G Environmental **SDG No.:** Q2743

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	Arsenic	9.45			-20	20	08/04/2025	12:01	LB136697
	Barium	6.24	6.0	104	-94	106	08/04/2025	12:01	LB136697
	Cadmium	-0.56	1.0	56	-5	7	08/04/2025	12:01	LB136697
	Chromium	56.1	52.0	108	42	62	08/04/2025	12:01	LB136697
	Lead	-8.46			-12	12	08/04/2025	12:01	LB136697
	Selenium	0.23			-20	20	08/04/2025	12:01	LB136697
	Silver	2.22			-10	10	08/04/2025	12:01	LB136697
ICSAB01	Arsenic	106	104	102	88.4	120	08/04/2025	12:05	LB136697
	Barium	510	537	95	437	637	08/04/2025	12:05	LB136697
	Cadmium	983	972	101	826	1120	08/04/2025	12:05	LB136697
	Chromium	553	542	102	460	624	08/04/2025	12:05	LB136697
	Lead	37.5	49.0	76	37	61	08/04/2025	12:05	LB136697
	Selenium	42.1	46.0	92	26	66	08/04/2025	12:05	LB136697
	Silver	214	201	106	170	232	08/04/2025	12:05	LB136697

METAL QC DATA

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metals
- 5a -
MATRIX SPIKE SUMMARY

client: G Environmental **level:** low **sdg no.:** Q2743

contract: GENV01 **lab code:** ACE

matrix: Water **sample id:** Q2753-02 **client id:** 289MS

Percent Solids for Sample: NA **Spiked ID:** Q2753-02MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	ug/L	75 - 125	4200		100	U	4000	105		P
Barium	ug/L	75 - 125	1610		348	J	1000	126	N	P
Cadmium	ug/L	75 - 125	954		30.0	U	1000	95		P
Chromium	ug/L	75 - 125	1970		37.4	J	2000	97		P
Lead	ug/L	75 - 125	4560		60.0	U	5000	91		P
Mercury	ug/L	75 - 125	39.9		2.00	U	40.0	100		CV
Selenium	ug/L	75 - 125	10800		100	U	10000	108		P
Silver	ug/L	75 - 125	385		50.0	U	380	101		P

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metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: G Environmental **level:** low **sdg no.:** Q2743

contract: GENV01 **lab code:** ACE

matrix: Water **sample id:** Q2753-02 **client id:** 289MSD

Percent Solids for Sample: NA **Spiked ID:** Q2753-02MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	ug/L	75 - 125	3790		100	U	4000	95		P
Barium	ug/L	75 - 125	1420		348	J	1000	107		P
Cadmium	ug/L	75 - 125	864		30.0	U	1000	86		P
Chromium	ug/L	75 - 125	1820		37.4	J	2000	89		P
Lead	ug/L	75 - 125	4100		60.0	U	5000	82		P
Mercury	ug/L	75 - 125	38.3		2.00	U	40.0	96		CV
Selenium	ug/L	75 - 125	9710		100	U	10000	97		P
Silver	ug/L	75 - 125	337		50.0	U	380	89		P

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Metals
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POST DIGEST SPIKE SUMMARY

Client: G Environmental **SDG No.:** Q2743

Contract: GENV01 **Lab Code:** ACE

Matrix: Water **Level:** LOW **Client ID:** 289A

Sample ID: Q2753-02 **Spiked ID:** Q2753-02A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Barium	ug/L	75 - 125	1520		348	J	1000	117		P

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: G Environmental **Level:** LOW **SDG No.:** Q2743

Contract: GENV01 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q2753-02 **Client ID:** 289DUP

Percent Solids for Sample: NA **Duplicate ID** Q2753-02DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	100	U	100	U			P
Barium	ug/L	20	348	J	587		51		P
Cadmium	ug/L	20	30.0	U	30.0	U			P
Chromium	ug/L	20	37.4	J	67.2		57		P
Lead	ug/L	20	60.0	U	60.0	U			P
Mercury	ug/L	20	2.00	U	2.00	U			CV
Selenium	ug/L	20	100	U	100	U			P
Silver	ug/L	20	50.0	U	50.0	U			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.:** Q2743

Contract: GENV01 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q2753-02MS **Client ID:** 289MSD

Percent Solids for Sample: NA **Duplicate ID** Q2753-02MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	4200		3790		10		P
Barium	ug/L	20	1610		1420		13		P
Cadmium	ug/L	20	954		864		10		P
Chromium	ug/L	20	1970		1820		8		P
Lead	ug/L	20	4560		4100		11		P
Mercury	ug/L	20	39.9		38.3		4		CV
Selenium	ug/L	20	10800		9710		11		P
Silver	ug/L	20	385		337		13		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.:** Q2743

Contract: GENV01 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB169101BS							
Arsenic	ug/L	4000	4170		104	80 - 120	P
Barium	ug/L	1000	1100		110	80 - 120	P
Cadmium	ug/L	1000	965		96	80 - 120	P
Chromium	ug/L	2000	1970		98	80 - 120	P
Lead	ug/L	5000	4900		98	80 - 120	P
Selenium	ug/L	10000	10800		108	80 - 120	P
Silver	ug/L	380	405		107	80 - 120	P

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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: G Environmental **SDG No.:** Q2743

Contract: GENV01 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB169140BS							
Mercury	ug/L	4.0	4.08		102	80 - 120	CV

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

289L

Lab Name: Alliance **Contract:** GENV01

Lab Code: ACE **Lb No.:** lb136697 **Lab Sample ID :** Q2753-02L **SDG No.:** Q2743

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
Arsenic	100	U	500	U			P
Barium	348	J	2500	U	100.0		P
Cadmium	30.0	U	150	U			P
Chromium	37.4	J	250	U	100.0		P
Lead	60.0	U	300	U			P
Mercury	2.00	U	10.0	U			CV
Selenium	100	U	500	U			P
Silver	50.0	U	250	U			P

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metals
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ANALYSIS RUN LOG

Client: G Environmental **Contract:** GENV01

Lab code: ACE **Sdg no.:** Q2743

Instrument id number: **Method:** **Run number:** LB136697

Start date: 08/04/2025 **End date:** 08/04/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1115	Ag,As,Ba,Cd,Cr,Pb,Se
S1	S1	1	1120	Ag,As,Ba,Cd,Cr,Pb,Se
S2	S2	1	1124	Ag,As,Ba,Cd,Cr,Pb,Se
S3	S3	1	1128	Ag,As,Ba,Cd,Cr,Pb,Se
S4	S4	1	1132	Ag,As,Ba,Cd,Cr,Pb,Se
S5	S5	1	1136	Ag,As,Ba,Cd,Cr,Pb,Se
ICV01	ICV01	1	1141	Ag,As,Ba,Cd,Cr,Pb,Se
LLICV01	LLICV01	1	1145	Ag,As,Ba,Cd,Cr,Pb,Se
ICB01	ICB01	1	1152	Ag,As,Ba,Cd,Cr,Pb,Se
CRI01	CRI01	1	1157	Ag,As,Ba,Cd,Cr,Pb,Se
ICSA01	ICSA01	1	1201	Ag,As,Ba,Cd,Cr,Pb,Se
ICSAB01	ICSAB01	1	1205	Ag,As,Ba,Cd,Cr,Pb,Se
CCV01	CCV01	1	1225	Ag,As,Ba,Cd,Cr,Pb,Se
CCB01	CCB01	1	1229	Ag,As,Ba,Cd,Cr,Pb,Se
CCV02	CCV02	1	1337	Ag,As,Ba,Cd,Cr,Pb,Se
CCB02	CCB02	1	1341	Ag,As,Ba,Cd,Cr,Pb,Se
CCV03	CCV03	1	1443	Ag,As,Ba,Cd,Cr,Pb,Se
CCB03	CCB03	1	1454	Ag,As,Ba,Cd,Cr,Pb,Se
CCV04	CCV04	1	1548	Ag,As,Ba,Cd,Cr,Pb,Se
CCB04	CCB04	1	1553	Ag,As,Ba,Cd,Cr,Pb,Se
Q2743-02	WC1	1	1616	Ag,As,Ba,Cd,Cr,Pb,Se
Q2753-02DUP	289DUP	1	1625	Ag,As,Ba,Cd,Cr,Pb,Se
Q2753-02L	289L	5	1630	Ag,As,Ba,Cd,Cr,Pb,Se
Q2753-02MS	289MS	1	1634	Ag,As,Ba,Cd,Cr,Pb,Se
Q2753-02MSD	289MSD	1	1638	Ag,As,Ba,Cd,Cr,Pb,Se
Q2753-02A	289A	1	1642	Ba
PB169079TB	PB169079TB	1	1646	Ag,As,Ba,Cd,Cr,Pb,Se
CCV05	CCV05	1	1651	Ag,As,Ba,Cd,Cr,Pb,Se
CCB05	CCB05	1	1655	Ag,As,Ba,Cd,Cr,Pb,Se
PB169101BL	PB169101BL	1	1659	Ag,As,Ba,Cd,Cr,Pb,Se
PB169101BS	PB169101BS	1	1704	Ag,As,Ba,Cd,Cr,Pb,Se
CCV06	CCV06	1	1741	Ag,As,Ba,Cd,Cr,Pb,Se
CCB06	CCB06	1	1745	Ag,As,Ba,Cd,Cr,Pb,Se
CCV07	CCV07	1	1758	Ag,As,Ba,Cd,Cr,Pb,Se
CCB07	CCB07	1	1802	Ag,As,Ba,Cd,Cr,Pb,Se

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metals
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ANALYSIS RUN LOG

Client: G Environmental **Contract:** GENV01

Lab code: ACE **Sdg no.:** Q2743

Instrument id number: **Method:** **Run number:** LB136721

Start date: 08/06/2025 **End date:** 08/06/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	0855	HG
S0.2	S0.2	1	0858	HG
S2.5	S2.5	1	0900	HG
S5	S5	1	0902	HG
S7.5	S7.5	1	0905	HG
S10	S10	1	0907	HG
ICV54	ICV54	1	0910	HG
ICB54	ICB54	1	0912	HG
CCV89	CCV89	1	0914	HG
CCB89	CCB89	1	0917	HG
CRA	CRA	1	0919	HG
PB169140BL	PB169140BL	1	0928	HG
PB169140BS	PB169140BS	1	0931	HG
Q2743-02	WC1	1	0935	HG
Q2753-02DUP	289DUP	1	0940	HG
Q2753-02MS	289MS	1	0945	HG
CCV90	CCV90	1	0949	HG
CCB90	CCB90	1	0951	HG
Q2753-02MSD	289MSD	1	0953	HG
PB169079TB	PB169079TB	1	0955	HG
Q2753-02L	289L	5	0958	HG
CCV91	CCV91	1	1002	HG
CCB91	CCB91	1	1004	HG

METAL PREPARATION & INSTRUMENT DATA

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental **SDG No.:** Q2743

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
Arsenic	193.759	0.0000000	0.0000000	-0.0000440	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000930	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0000920	0.0000000	0.0000380	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	-0.0001440	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	-0.0001490	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental **SDG No.:** Q2743

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
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0002870
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0003170	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	-0.0003570
Silver	328.068	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.:** Q2743

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
Arsenic	193.759	-0.0029000	0.0000000	0.0000000	0.0000000	0.0004900
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000070	0.0002200	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0001400	-0.0008600
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0007460	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000120

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Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental **SDG No.:** Q2743

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
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290
Selenium	196.090	0.0000000	0.0000000	0.0003330	0.0000000	0.0000000
Silver	328.068	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.:** Q2743

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
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000630	0.0001280	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0001110	0.0000000
Lead	220.353	0.0000000	-0.0003610	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	-0.0007420	0.0000000	0.0000000	0.0000000

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LAB CHRONICLE

OrderID:	Q2743	**OrderDate:**	7/31/2025 4:05:00 PM
Client:	G Environmental	**Project:**	Capra
Contact:	Gary Landis	**Location:**	O13,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2743-01	**WC1**	**SOIL**			**07/31/25**			**07/31/25**
			Mercury	7471B		07/31/25	08/01/25	
			Metals ICP-TAL	6010D		08/04/25	08/04/25	
Q2743-02	**WC1**	**TCLP**			**07/31/25**			**07/31/25**
			TCLP ICP Metals	6010D		08/04/25	08/04/25	
			TCLP Mercury	7470A		08/05/25	08/06/25	

METAL PREPARATION & ANALYICAL SUMMARY

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Metals
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SAMPLE PREPARATION SUMMARY

Client: G Environmental **SDG No.:** Q2743

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:	**PB169101**						
PB169079TB	PB169079TB	MB	WATER	08/04/2025	5.0	25.0	
PB169101BL	PB169101BL	MB	WATER	08/04/2025	5.0	25.0	
PB169101BS	PB169101BS	LCS	WATER	08/04/2025	5.0	25.0	
Q2743-02	WC1	SAM	WATER	08/04/2025	5.0	25.0	
Q2753-02DUP	289DUP	DUP	WATER	08/04/2025	5.0	25.0	
Q2753-02MS	289MS	MS	WATER	08/04/2025	5.0	25.0	
Q2753-02MSD	289MSD	MSD	WATER	08/04/2025	5.0	25.0	

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Metals
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SAMPLE PREPARATION SUMMARY

Client: G Environmental **SDG No.:** Q2743

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:	**PB169140**						
PB169079TB	PB169079TB	MB	WATER	08/05/2025	3.0	30.0	
PB169140BL	PB169140BL	MB	WATER	08/05/2025	30.0	30.0	
PB169140BS	PB169140BS	LCS	WATER	08/05/2025	30.0	30.0	
Q2743-02	WC1	SAM	WATER	08/05/2025	3.0	30.0	
Q2753-02DUP	289DUP	DUP	WATER	08/05/2025	3.0	30.0	
Q2753-02MS	289MS	MS	WATER	08/05/2025	3.0	30.0	
Q2753-02MSD	289MSD	MSD	WATER	08/05/2025	3.0	30.0	

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB136697

Review By	Janvi	Review On	8/5/2025 10:04:40 AM
Supervise By	jaswal	Supervise On	8/6/2025 7:45:51 AM

STD. NAME	STD REF.#
ICAL Standard	MP86452,MP86453,MP86454,MP86455,MP86456,MP86458
ICV Standard	MP86459
CCV Standard	MP86462
ICSA Standard	MP86460,MP86461
CRI Standard	MP86458
LCS Standard	
Chk Standard	MP86463,MP86464

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	08/04/25 11:15		Jaswal	OK
2	S1	S1	CAL2	08/04/25 11:20		Jaswal	OK
3	S2	S2	CAL3	08/04/25 11:24		Jaswal	OK
4	S3	S3	CAL4	08/04/25 11:28		Jaswal	OK
5	S4	S4	CAL5	08/04/25 11:32		Jaswal	OK
6	S5	S5	CAL6	08/04/25 11:36		Jaswal	OK
7	ICV01	ICV01	ICV	08/04/25 11:41		Jaswal	OK
8	LLICV01	LLICV01	LLICV	08/04/25 11:45		Jaswal	OK
9	ICB01	ICB01	ICB	08/04/25 11:52		Jaswal	OK
10	CRI01	CRI01	CRDL	08/04/25 11:57		Jaswal	OK
11	ICSA01	ICSA01	ICSA	08/04/25 12:01		Jaswal	OK
12	ICSAB01	ICSAB01	ICSAB	08/04/25 12:05		Jaswal	OK
13	ICSADL	ICSADL	ICSA	08/04/25 12:09		Jaswal	OK
14	ICSABDL	ICSABDL	ICSAB	08/04/25 12:14		Jaswal	OK
15	CCV01	CCV01	CCV	08/04/25 12:25		Jaswal	OK
16	CCB01	CCB01	CCB	08/04/25 12:29		Jaswal	OK
17	PB169076BL	PB169076BL	MB	08/04/25 12:55		Jaswal	OK
18	PB169076BS	PB169076BS	LCS	08/04/25 13:00		Jaswal	OK

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Fax : 908 789 8922

Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB136697

Review By	Janvi	Review On	8/5/2025 10:04:40 AM
Supervise By	jaswal	Supervise On	8/6/2025 7:45:51 AM

STD. NAME	STD REF.#
ICAL Standard	MP86452,MP86453,MP86454,MP86455,MP86456,MP86458
ICV Standard	MP86459
CCV Standard	MP86462
ICSA Standard	MP86460,MP86461
CRI Standard	MP86458
LCS Standard	
Chk Standard	MP86463,MP86464

19	Q2725-02DL	CompDL	SAM	08/04/25 13:04	Straight 5x dilution for all elements	Jaswal	OK
20	Q2725-02DUPDL	CompDUPDL	DUP	08/04/25 13:08	Straight 5x dilution for all elements	Jaswal	OK
21	Q2725-02LDL	CompLDL	SD	08/04/25 13:12	Straight 25x dilution for all elements	Jaswal	OK
22	Q2725-02MSDL	CompMSDL	MS	08/04/25 13:16	Straight 5x dilution for all elements	Jaswal	OK
23	Q2725-02MSDDL	CompMSDDL	MSD	08/04/25 13:20	Straight 5x dilution for all elements	Jaswal	OK
24	Q2725-02ADL	CompADL	PS	08/04/25 13:24	Straight 5x dilution for all elements (0.1ml m6004,m6013-10ml sample before dilution)	Jaswal	OK
25	PB169078BL	PB169078BL	MB	08/04/25 13:29		Jaswal	OK
26	PB169078BS	PB169078BS	LCS	08/04/25 13:33		Jaswal	OK
27	CCV02	CCV02	CCV	08/04/25 13:37		Jaswal	OK
28	CCB02	CCB02	CCB	08/04/25 13:41		Jaswal	OK
29	Q2733-01	TW-WTS-12	SAM	08/04/25 13:45		Jaswal	OK
30	Q2733-01DUP	TW-WTS-12DUP	DUP	08/04/25 13:50		Jaswal	OK
31	Q2733-01L	TW-WTS-12L	SD	08/04/25 13:54		Jaswal	OK
32	Q2733-01MS	TW-WTS-12MS	MS	08/04/25 13:59		Jaswal	OK
33	Q2733-01MSD	TW-WTS-12MSD	MSD	08/04/25 14:03		Jaswal	OK
34	Q2733-01A	TW-WTS-12A	PS	08/04/25 14:07	0.1ml m6004,m6013-10ml sample	Jaswal	OK
35	Q2742-01	9 Banker	SAM	08/04/25 14:12		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB136697

Review By	Janvi	Review On	8/5/2025 10:04:40 AM
Supervise By	jaswal	Supervise On	8/6/2025 7:45:51 AM

STD. NAME	STD REF.#
ICAL Standard	MP86452,MP86453,MP86454,MP86455,MP86456,MP86458
ICV Standard	MP86459
CCV Standard	MP86462
ICSA Standard	MP86460,MP86461
CRI Standard	MP86458
LCS Standard	
Chk Standard	MP86463,MP86464

36	Q2734-01	VNJ-253	SAM	08/04/25 14:17		Jaswal	OK
37	Q2741-01	TR-05-07312025	SAM	08/04/25 14:21		Jaswal	OK
38	Q2743-01	WC1	SAM	08/04/25 14:25		Jaswal	OK
39	CCV03	CCV03	CCV	08/04/25 14:43		Jaswal	OK
40	CCB03	CCB03	CCB	08/04/25 14:54		Jaswal	OK
41	Q2753-01	289	SAM	08/04/25 14:58		Jaswal	OK
42	Q2758-01	WASTE	SAM	08/04/25 15:03	%soil missing	Jaswal	OK
43	PB169096BL	PB169096BL	MB	08/04/25 15:07		Jaswal	OK
44	Q2740-01	OR-02-07312025	SAM	08/04/25 15:15		Jaswal	OK
45	Q2740-01DUP	OR-02-07312025DUP	DUP	08/04/25 15:19		Jaswal	OK
46	Q2740-01L	OR-02-07312025L	SD	08/04/25 15:23		Jaswal	OK
47	Q2740-01MS	OR-02-07312025MS	MS	08/04/25 15:27		Jaswal	OK
48	Q2740-01MSD	OR-02-07312025MSD	MSD	08/04/25 15:31		Jaswal	OK
49	Q2740-01A	OR-02-07312025A	PS	08/04/25 15:35	0.1ml m6004,m6013-10ml sample	Jaswal	OK
50	PB169096BS	PB169096BS	LCS	08/04/25 15:39		Jaswal	OK
51	CCV04	CCV04	CCV	08/04/25 15:48		Jaswal	OK
52	CCB04	CCB04	CCB	08/04/25 15:53		Jaswal	OK
53	Q2734-02	VNJ-253	SAM	08/04/25 16:08		Jaswal	OK
54	Q2703-05	TP-4	SAM	08/04/25 16:12		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB136697

Review By	Janvi	Review On	8/5/2025 10:04:40 AM
Supervise By	jaswal	Supervise On	8/6/2025 7:45:51 AM

STD. NAME	STD REF.#
ICAL Standard	MP86452,MP86453,MP86454,MP86455,MP86456,MP86458
ICV Standard	MP86459
CCV Standard	MP86462
ICSA Standard	MP86460,MP86461
CRI Standard	MP86458
LCS Standard	
Chk Standard	MP86463,MP86464

55	Q2743-02	WC1	SAM	08/04/25 16:16		Jaswal	OK
56	Q2753-02	289	SAM	08/04/25 16:21		Jaswal	OK
57	Q2753-02DUP	289DUP	DUP	08/04/25 16:25		Jaswal	OK
58	Q2753-02L	289L	SD	08/04/25 16:30		Jaswal	OK
59	Q2753-02MS	289MS	MS	08/04/25 16:34		Jaswal	OK
60	Q2753-02MSD	289MSD	MSD	08/04/25 16:38		Jaswal	OK
61	Q2753-02A	289A	PS	08/04/25 16:42	0.1ml m6004,m6013-10ml sample	Jaswal	OK
62	PB169079TB	PB169079TB	MB	08/04/25 16:46		Jaswal	OK
63	CCV05	CCV05	CCV	08/04/25 16:51		Jaswal	OK
64	CCB05	CCB05	CCB	08/04/25 16:55		Jaswal	OK
65	PB169101BL	PB169101BL	MB	08/04/25 16:59		Jaswal	OK
66	PB169101BS	PB169101BS	LCS	08/04/25 17:04		Jaswal	OK
67	Q2745-01	RW8-SP100-2025073	SAM	08/04/25 17:08		Jaswal	OK
68	Q2745-02	RW8-SP303-2025073	SAM	08/04/25 17:12		Jaswal	OK
69	Q2756-01	71725	SAM	08/04/25 17:16	CCV fail for Tl	Jaswal	Not Ok
70	Q2756-01DUP	71725DUP	DUP	08/04/25 17:20	CCV fail for Tl	Jaswal	Not Ok
71	Q2756-01L	71725L	SD	08/04/25 17:25	CCV fail for Tl	Jaswal	Not Ok
72	Q2756-01MS	71725MS	MS	08/04/25 17:29	CCV fail for Tl	Jaswal	Not Ok
73	Q2756-01MSD	71725MSD	MSD	08/04/25 17:33	CCV fail for Tl	Jaswal	Not Ok

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB136697

Review By	Janvi	Review On	8/5/2025 10:04:40 AM
Supervise By	jaswal	Supervise On	8/6/2025 7:45:51 AM

STD. NAME	STD REF.#
ICAL Standard	MP86452,MP86453,MP86454,MP86455,MP86456,MP86458
ICV Standard	MP86459
CCV Standard	MP86462
ICSA Standard	MP86460,MP86461
CRI Standard	MP86458
LCS Standard	
Chk Standard	MP86463,MP86464

74	Q2756-01A	71725A	PS	08/04/25 17:37	CCV fail for Tl	Jaswal	Not Ok
75	CCV06	CCV06	CCV	08/04/25 17:41	CCV fail for Tl	Jaswal	OK
76	CCB06	CCB06	CCB	08/04/25 17:45		Jaswal	OK
77	PB169098BL	PB169098BL	MB	08/04/25 17:49	CCV fail for Tl	Jaswal	Not Ok
78	PB169098BS	PB169098BS	LCS	08/04/25 17:54	CCV fail for Tl	Jaswal	Not Ok
79	CCV07	CCV07	CCV	08/04/25 17:58		Jaswal	OK
80	CCB07	CCB07	CCB	08/04/25 18:02		Jaswal	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB136721

Review By	MOHAN	Review On	8/8/2025 1:20:55 PM
Supervise By	jaswal	Supervise On	8/8/2025 1:24:44 PM

STD. NAME	STD REF.#
ICAL Standard	MP86620,MP86621,MP86622,MP86623,MP86624,MP86625,MP86626
ICV Standard	MP86628
CCV Standard	MP86631
ICSA Standard	
CRI Standard	MP86633
LCS Standard	
Chk Standard	MP86630,MP86632,MP86634,MP86637

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	08/06/25 08:55		MOHAN	OK
2	S0.2	S0.2	CAL2	08/06/25 08:58		MOHAN	OK
3	S2.5	S2.5	CAL3	08/06/25 09:00		MOHAN	OK
4	S5	S5	CAL4	08/06/25 09:02		MOHAN	OK
5	S7.5	S7.5	CAL5	08/06/25 09:05		MOHAN	OK
6	S10	S10	CAL6	08/06/25 09:07		MOHAN	OK
7	ICV54	ICV54	ICV	08/06/25 09:10		MOHAN	OK
8	ICB54	ICB54	ICB	08/06/25 09:12		MOHAN	OK
9	CCV89	CCV89	CCV	08/06/25 09:14		MOHAN	OK
10	CCB89	CCB89	CCB	08/06/25 09:17		MOHAN	OK
11	CRA	CRA	CRDL	08/06/25 09:19		MOHAN	OK
12	HighStd	HighStd	HIGH STD	08/06/25 09:21		MOHAN	OK
13	ChkStd	ChkStd	SAM	08/06/25 09:26		MOHAN	OK
14	PB169140BL	PB169140BL	MB	08/06/25 09:28		MOHAN	OK
15	PB169140BS	PB169140BS	LCS	08/06/25 09:31		MOHAN	OK
16	Q2734-02	VNJ-253	SAM	08/06/25 09:33		MOHAN	OK
17	Q2743-02	WC1	SAM	08/06/25 09:35		MOHAN	OK
18	Q2753-02	289	SAM	08/06/25 09:38		MOHAN	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB136721

Review By	MOHAN	Review On	8/8/2025 1:20:55 PM
Supervise By	jaswal	Supervise On	8/8/2025 1:24:44 PM

STD. NAME	STD REF.#
ICAL Standard	MP86620,MP86621,MP86622,MP86623,MP86624,MP86625,MP86626
ICV Standard	MP86628
CCV Standard	MP86631
ICSA Standard	
CRI Standard	MP86633
LCS Standard	
Chk Standard	MP86630,MP86632,MP86634,MP86637

19	Q2753-02DUP	289DUP	DUP	08/06/25 09:40		MOHAN	OK
20	Q2753-02MS	289MS	MS	08/06/25 09:45		MOHAN	OK
21	CCV90	CCV90	CCV	08/06/25 09:49		MOHAN	OK
22	CCB90	CCB90	CCB	08/06/25 09:51		MOHAN	OK
23	Q2753-02MSD	289MSD	MSD	08/06/25 09:53		MOHAN	OK
24	PB169079TB	PB169079TB	MB	08/06/25 09:55		MOHAN	OK
25	Q2753-02L	289L	SD	08/06/25 09:58		MOHAN	OK
26	Q2753-02A	289A	PS	08/06/25 10:00		MOHAN	OK
27	CCV91	CCV91	CCV	08/06/25 10:02		MOHAN	OK
28	CCB91	CCB91	CCB	08/06/25 10:04		MOHAN	OK

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB169101

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: 08/04/2025 **Time :** 12:30 **Temp :** 96 °C

End Digest Date: 08/04/2025 **Time :** 15:32 **Temp :** 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: SLS

Supervisor Signature: SO

Temp : 1. 96°C 2. N/A

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

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
08/04/25 ~~16:00~~ 15:50	SLS mod dig	Mark Lee
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB169101

Lab Sample ID	Client Sample ID	pH	Initial Vol (ml)	Final Vol (ml)	Color Before	Color After	Clarity Before	Clarity After	Comment	Prep Pos
PB169079TB	PB169079TB	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	14
PB169101BL	PBW101	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	15
PB169101BS	LCS101	<2	5	25	Colorless	Colorless	Clear	Clear	MP6007,MP6015	16
Q2703-05	TP-4	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	17
Q2734-02	VNJ-253	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	18
Q2743-02	WC1	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	19
Q2753-02	289	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	20
Q2753-02MS	289MS	<2	5	25	Colorless	Colorless	Clear	Clear	MP6007,MP6015	22
Q2753-02MSD	289MSD	<2	5	25	Colorless	Colorless	Clear	Clear	MP6007,MP6015	23
Q2753-02DUP	289DUP	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	21

A B C D E F G H I J

Alliance TECHNICAL GROUP

Water Mercury Preparation Sheet

PB169140

SOP ID : M7470A-Mercury-20

SDG No : N/A

Matrix : WATER

Pippete ID: HG A

Balance ID : N/A

Filter paper ID : N/A

pH Strip ID : M6069

Hood ID : #1

Block ID: 1. HG HOT BLOCK#3 2. N/A

Start Digest Date: 08/05/2025 **Time :** 12:33 **Temp :** 95 °C

End Digest Date: 08/05/2025 **Time :** 14:35 **Temp :** 95 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature: SKG.

Supervisor Signature:

Temp : 1. 95°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP86628
CCV	30mL	MP86631
CRA	30mL	MP86633
Blank Spike	0.48mL	MP86620
Matrix Spike	0.48mL	MP86620

Chemical Used	ML/SAMPLE USED	Lot Number
HNO3/H2SO4(1:2)	2.25mL	MP85892
KMnO4 (5%)	4.5mL	MP85893
K2S2O8 (5%)	2.4mL	MP85894
Hydroxylamine HCL (12%)	1.8mL	MP85895
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

LAB SAMPLE ID	CLIENT SAMPLE ID	Wt(g)/Vol(ml)	Comment
0.0 ppb	S0	30mL	MP86621
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP86622
2.5 ppb	S2.5	30mL	MP86623
5.0 ppb	S5.0	30mL	MP86624
7.5 ppb	S7.5	30mL	MP86625
10.0 ppb	S10.0	30mL	MP86626
ICV	ICV	30mL	MP86628
ICB	ICB	30mL	MP86630
CCV	CCV	30mL	MP86631
CCB	CCB	30mL	MP86632
CRI	CRI	30mL	MP86633
CHK STD	CHK STD	30mL	MP86634

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
08/05/25 15:35	SKG met dig	
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Water Mercury Preparation Sheet

PB169140

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Comment	Prep Pos
PB169079TB	PB169079TB	3	30	<2	N/A	1-1
PB169140BL	PBW140	30	30	<2	MP86620	2
PB169140BS	LCS140	30	30	<2	N/A	3
Q2734-02	VNJ-253	3	30	<2	N/A	4
Q2743-02	WC1	3	30	<2	N/A	5
Q2753-02	289	3	30	<2	N/A	6
Q2753-02MS	289MS	3	30	<2	MP86620	8
Q2753-02MSD	289MSD	3	30	<2	MP86620	9
Q2753-02DUP	289DUP	3	30	<2	N/A	7

A
B
C
D
E
F
G
H
I
J

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB169079

SOP ID : M1311-TCLP-16

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-7

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : WC

Tumbler ID : T-1

TCLP Filter ID : 115525

Start Prep Date : 08/01/2025 **Time :** 17:00

End Prep Date : 08/02/2025 **Time :** 11:25

Combination Ratio : 20

ZHE Cleaning Batch : 10 ~~N/A~~

Initial Room Temperature: 24 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : JP

Supervisor By : JZ

Standared Name	MLS USED	STD REF. # FROM LOG
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

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP112804
HCL-TCLP,1N	N/A	WP112797
HNO3-TCLP,1N	N/A	WP112799
pH Strips	N/A	W1931,W1934,W3171,W3172
pH Strips	W1940,W1941,W1942	W3166,W1938,W1939,
1 Liter Amber	N/A	90924-08
120ml Plastic bottle	N/A	2738
1:1 HNO3	N/A	MP84041

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after fiftration and before preservation. TUMMBLER T-1 checked,30 rpm. Particle size reduction is not required. q2753-02 IS USED FOR MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
08/04/25 10:30	JP / Lab Room	SHS. / RJ/EH
	Preparation Group	**Analysis Group** WetChem

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB169079

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB169079TB	LEB079	05	N/A	2000	N/A	N/A	N/A	4.94	1.0	T-1
Q2703-05	TP-4	01	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q2734-02	VNJ-253	02	100.03	2000	N/A	N/A	N/A	6.2	1.0	T-1
Q2743-02	WC1	03	100.02	2000	N/A	N/A	N/A	5.8	1.5	T-1
Q2753-02	289	04	100.01	2000	N/A	N/A	N/A	6.0	1.5	T-1

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB169079TB	LEB079	N/A	N/A	N/A	N/A	N/A	N/A
Q2703-05	TP-4	N/A	N/A	N/A	N/A	100	N/A
Q2734-02	VNJ-253	N/A	N/A	N/A	N/A	100	N/A
Q2743-02	WC1	N/A	N/A	N/A	N/A	100	N/A
Q2753-02	289	N/A	N/A	N/A	N/A	100	N/A

Alliance TECHNICAL GROUP

TCLP Fluid Determination

PB169079

Hot Block ID : WC S-1 / WC S-2

Thermometer ID : FLASHPOINT

SampleID	ClientID	Sample Weight (g)	Volume DI Water (mL)	PH after 5 min stir	PH after 10 min stir	Extraction Fluid 1 or 2	pH Extraction Fluid
PB169079TB	LEB079	N/A	N/A	N/A	N/A	#1	4.94
Q2703-05	TP-4	5.02	96.5	7.6	2.5	#1	4.94
Q2734-02	VNJ-253	5.03	96.5	8.6	3.0	#1	4.94
Q2743-02	WC1	5.02	96.5	7.6	2.5	#1	4.94
Q2753-02	289	5.01	96.5	8.0	3.0	#1	4.94