

Hit Summary Sheet SW-846

SDG No.: Q2646 **Order ID:** Q2646
Client: Environmental Restoration, LLC **Project ID:** North Arlington, NJ

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : FRAC TANK								
Q2646-01	FRAC TANK	Water	Aluminum	9280		142	1250	ug/L
Q2646-01	FRAC TANK	Water	Barium	472	J	182	1250	ug/L
Q2646-01	FRAC TANK	Water	Calcium	540000		2930	25000	ug/L
Q2646-01	FRAC TANK	Water	Chromium	92.4	J	26.5	125	ug/L
Q2646-01	FRAC TANK	Water	Copper	703		57.5	250	ug/L
Q2646-01	FRAC TANK	Water	Iron	53500		293	1250	ug/L
Q2646-01	FRAC TANK	Water	Lead	80.2	J	28.8	150	ug/L
Q2646-01	FRAC TANK	Water	Magnesium	49000		3050	25000	ug/L
Q2646-01	FRAC TANK	Water	Manganese	1930		74.3	250	ug/L
Q2646-01	FRAC TANK	Water	Nickel	162	J	38.3	500	ug/L
Q2646-01	FRAC TANK	Water	Potassium	73200		11500	25000	ug/L
Q2646-01	FRAC TANK	Water	Sodium	196000		10900	25000	ug/L
Q2646-01	FRAC TANK	Water	Vanadium	91.7	J	78.3	500	ug/L
Q2646-01	FRAC TANK	Water	Zinc	1950		208	500	ug/L



SAMPLE DATA

Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	07/18/25
Project:	North Arlington, NJ	Date Received:	07/18/25
Client Sample ID:	FRAC TANK	SDG No.:	Q2646
Lab Sample ID:	Q2646-01	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.
7429-90-5	Aluminum	9280		1	142	1250	ug/L	07/21/25 09:55	07/22/25 16:05	6010D	SW3010
7440-36-0	Antimony	84.5	U	1	84.5	625	ug/L	07/21/25 09:55	07/22/25 16:05	6010D	SW3010
7440-38-2	Arsenic	64.0	U	1	64.0	250	ug/L	07/21/25 09:55	07/22/25 16:05	6010D	SW3010
7440-39-3	Barium	472	J	1	182	1250	ug/L	07/21/25 09:55	07/22/25 16:05	6010D	SW3010
7440-41-7	Beryllium	7.00	U	1	7.00	75.0	ug/L	07/21/25 09:55	07/22/25 16:05	6010D	SW3010
7440-43-9	Cadmium	6.25	U	1	6.25	75.0	ug/L	07/21/25 09:55	07/22/25 16:05	6010D	SW3010
7440-70-2	Calcium	540000		1	2930	25000	ug/L	07/21/25 09:55	07/22/25 16:05	6010D	SW3010
7440-47-3	Chromium	92.4	J	1	26.5	125	ug/L	07/21/25 09:55	07/22/25 16:05	6010D	SW3010
7440-48-4	Cobalt	28.3	U	1	28.3	375	ug/L	07/21/25 09:55	07/22/25 16:05	6010D	SW3010
7440-50-8	Copper	703		1	57.5	250	ug/L	07/21/25 09:55	07/22/25 16:05	6010D	SW3010
7439-89-6	Iron	53500		1	293	1250	ug/L	07/21/25 09:55	07/22/25 16:05	6010D	SW3010
7439-92-1	Lead	80.2	J	1	28.8	150	ug/L	07/21/25 09:55	07/22/25 16:05	6010D	SW3010
7439-95-4	Magnesium	49000		1	3050	25000	ug/L	07/21/25 09:55	07/22/25 16:05	6010D	SW3010
7439-96-5	Manganese	1930		1	74.3	250	ug/L	07/21/25 09:55	07/22/25 16:05	6010D	SW3010
7439-97-6	Mercury	0.076	UN	1	0.076	0.20	ug/L	07/21/25 14:15	07/22/25 17:40	7470A	
7440-02-0	Nickel	162	J	1	38.3	500	ug/L	07/21/25 09:55	07/22/25 16:05	6010D	SW3010
7440-09-7	Potassium	73200		1	11500	25000	ug/L	07/21/25 09:55	07/22/25 16:05	6010D	SW3010
7782-49-2	Selenium	121	U	1	121	250	ug/L	07/21/25 09:55	07/22/25 16:05	6010D	SW3010
7440-22-4	Silver	20.3	U	1	20.3	125	ug/L	07/21/25 09:55	07/22/25 16:05	6010D	SW3010
7440-23-5	Sodium	196000		1	10900	25000	ug/L	07/21/25 09:55	07/22/25 16:05	6010D	SW3010
7440-28-0	Thallium	54.8	U	1	54.8	500	ug/L	07/21/25 09:55	07/22/25 16:05	6010D	SW3010
7440-62-2	Vanadium	91.7	J	1	78.3	500	ug/L	07/21/25 09:55	07/22/25 16:05	6010D	SW3010
7440-66-6	Zinc	1950		1	208	500	ug/L	07/21/25 09:55	07/22/25 16:05	6010D	SW3010

Color Before:	Brown	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	Mercury			

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



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:

Environmental Restoration, LLC

SDG No.:

Q2646

Contract:

ENVI60

Lab Code:

ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB36	Mercury	0.076	+/-0.2	U	0.20	CV	07/22/2025	15:15	LB136570

Metals

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SDG No.: Q2646

Contract: ENVI60

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB34	Mercury	0.076	+/-0.2	U	0.20	CV	07/22/2025	15:20	LB136570
CCB35	Mercury	0.076	+/-0.2	U	0.20	CV	07/22/2025	15:59	LB136570
CCB36	Mercury	0.076	+/-0.2	U	0.20	CV	07/22/2025	16:30	LB136570
CCB37	Mercury	0.076	+/-0.2	U	0.20	CV	07/22/2025	17:00	LB136570
CCB38	Mercury	0.076	+/-0.2	U	0.20	CV	07/22/2025	17:33	LB136570
CCB39	Mercury	0.076	+/-0.2	U	0.20	CV	07/22/2025	18:20	LB136570
CCB40	Mercury	0.076	+/-0.2	U	0.20	CV	07/22/2025	18:58	LB136570

Metals

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SDG No.: Q2646

Contract: ENVI60

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	11.3	+/-50	U	100	P	07/22/2025	12:27	LB136571
	Antimony	6.76	+/-25	U	50.0	P	07/22/2025	12:27	LB136571
	Arsenic	5.12	+/-10	U	20.0	P	07/22/2025	12:27	LB136571
	Barium	14.6	+/-50	U	100	P	07/22/2025	12:27	LB136571
	Beryllium	0.56	+/-3	U	6.00	P	07/22/2025	12:27	LB136571
	Cadmium	0.50	+/-3	U	6.00	P	07/22/2025	12:27	LB136571
	Calcium	234	+/-1000	U	2000	P	07/22/2025	12:27	LB136571
	Chromium	2.12	+/-5	U	10.0	P	07/22/2025	12:27	LB136571
	Cobalt	2.26	+/-15	U	30.0	P	07/22/2025	12:27	LB136571
	Copper	4.60	+/-10	U	20.0	P	07/22/2025	12:27	LB136571
	Iron	23.4	+/-50	U	100	P	07/22/2025	12:27	LB136571
	Lead	2.30	+/-6	U	12.0	P	07/22/2025	12:27	LB136571
	Magnesium	244	+/-1000	U	2000	P	07/22/2025	12:27	LB136571
	Manganese	5.94	+/-10	U	20.0	P	07/22/2025	12:27	LB136571
	Nickel	3.06	+/-20	U	40.0	P	07/22/2025	12:27	LB136571
	Potassium	918	+/-1000	U	2000	P	07/22/2025	12:27	LB136571
	Selenium	9.64	+/-10	U	20.0	P	07/22/2025	12:27	LB136571
	Silver	1.62	+/-5	U	10.0	P	07/22/2025	12:27	LB136571
	Sodium	868	+/-1000	U	2000	P	07/22/2025	12:27	LB136571
	Thallium	4.38	+/-20	U	40.0	P	07/22/2025	12:27	LB136571
	Vanadium	6.26	+/-20	U	40.0	P	07/22/2025	12:27	LB136571
	Zinc	16.7	+/-20	U	40.0	P	07/22/2025	12:27	LB136571

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Environmental Restoration, LLC

SDG No.: Q2646

Contract: ENVI60

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	11.3	+/-50	U	100	P	07/22/2025	13:05	LB136571
	Antimony	6.76	+/-25	U	50.0	P	07/22/2025	13:05	LB136571
	Arsenic	5.12	+/-10	U	20.0	P	07/22/2025	13:05	LB136571
	Barium	14.6	+/-50	U	100	P	07/22/2025	13:05	LB136571
	Beryllium	0.56	+/-3	U	6.00	P	07/22/2025	13:05	LB136571
	Cadmium	0.50	+/-3	U	6.00	P	07/22/2025	13:05	LB136571
	Calcium	234	+/-1000	U	2000	P	07/22/2025	13:05	LB136571
	Chromium	2.12	+/-5	U	10.0	P	07/22/2025	13:05	LB136571
	Cobalt	2.26	+/-15	U	30.0	P	07/22/2025	13:05	LB136571
	Copper	4.60	+/-10	U	20.0	P	07/22/2025	13:05	LB136571
	Iron	23.4	+/-50	U	100	P	07/22/2025	13:05	LB136571
	Lead	2.30	+/-6	U	12.0	P	07/22/2025	13:05	LB136571
	Magnesium	244	+/-1000	U	2000	P	07/22/2025	13:05	LB136571
	Manganese	5.94	+/-10	U	20.0	P	07/22/2025	13:05	LB136571
	Nickel	3.06	+/-20	U	40.0	P	07/22/2025	13:05	LB136571
	Potassium	918	+/-1000	U	2000	P	07/22/2025	13:05	LB136571
	Selenium	9.64	+/-10	U	20.0	P	07/22/2025	13:05	LB136571
	Silver	1.62	+/-5	U	10.0	P	07/22/2025	13:05	LB136571
	Sodium	868	+/-1000	U	2000	P	07/22/2025	13:05	LB136571
	Thallium	4.38	+/-20	U	40.0	P	07/22/2025	13:05	LB136571
	Vanadium	6.26	+/-20	U	40.0	P	07/22/2025	13:05	LB136571
	Zinc	16.7	+/-20	U	40.0	P	07/22/2025	13:05	LB136571
CCB02	Aluminum	11.3	+/-50	U	100	P	07/22/2025	14:09	LB136571
	Antimony	6.76	+/-25	U	50.0	P	07/22/2025	14:09	LB136571
	Arsenic	5.12	+/-10	U	20.0	P	07/22/2025	14:09	LB136571
	Barium	14.6	+/-50	U	100	P	07/22/2025	14:09	LB136571
	Beryllium	0.56	+/-3	U	6.00	P	07/22/2025	14:09	LB136571
	Cadmium	0.50	+/-3	U	6.00	P	07/22/2025	14:09	LB136571
	Calcium	234	+/-1000	U	2000	P	07/22/2025	14:09	LB136571
	Chromium	2.12	+/-5	U	10.0	P	07/22/2025	14:09	LB136571
	Cobalt	2.26	+/-15	U	30.0	P	07/22/2025	14:09	LB136571
	Copper	4.60	+/-10	U	20.0	P	07/22/2025	14:09	LB136571
	Iron	23.4	+/-50	U	100	P	07/22/2025	14:09	LB136571
	Lead	2.30	+/-6	U	12.0	P	07/22/2025	14:09	LB136571
	Magnesium	244	+/-1000	U	2000	P	07/22/2025	14:09	LB136571
	Manganese	5.94	+/-10	U	20.0	P	07/22/2025	14:09	LB136571
	Nickel	3.06	+/-20	U	40.0	P	07/22/2025	14:09	LB136571
	Potassium	918	+/-1000	U	2000	P	07/22/2025	14:09	LB136571
	Selenium	9.64	+/-10	U	20.0	P	07/22/2025	14:09	LB136571

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Environmental Restoration, LLC

SDG No.: Q2646

Contract: ENVI60

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	1.62	+/-5	U	10.0	P	07/22/2025	14:09	LB136571
	Sodium	868	+/-1000	U	2000	P	07/22/2025	14:09	LB136571
	Thallium	4.38	+/-20	U	40.0	P	07/22/2025	14:09	LB136571
	Vanadium	6.26	+/-20	U	40.0	P	07/22/2025	14:09	LB136571
	Zinc	16.7	+/-20	U	40.0	P	07/22/2025	14:09	LB136571
CCB03	Aluminum	11.3	+/-50	U	100	P	07/22/2025	15:26	LB136571
	Antimony	6.76	+/-25	U	50.0	P	07/22/2025	15:26	LB136571
	Arsenic	5.12	+/-10	U	20.0	P	07/22/2025	15:26	LB136571
	Barium	14.6	+/-50	U	100	P	07/22/2025	15:26	LB136571
	Beryllium	0.56	+/-3	U	6.00	P	07/22/2025	15:26	LB136571
	Cadmium	0.50	+/-3	U	6.00	P	07/22/2025	15:26	LB136571
	Calcium	234	+/-1000	U	2000	P	07/22/2025	15:26	LB136571
	Chromium	2.12	+/-5	U	10.0	P	07/22/2025	15:26	LB136571
	Cobalt	2.26	+/-15	U	30.0	P	07/22/2025	15:26	LB136571
	Copper	4.60	+/-10	U	20.0	P	07/22/2025	15:26	LB136571
	Iron	23.4	+/-50	U	100	P	07/22/2025	15:26	LB136571
	Lead	2.30	+/-6	U	12.0	P	07/22/2025	15:26	LB136571
	Magnesium	244	+/-1000	U	2000	P	07/22/2025	15:26	LB136571
	Manganese	5.94	+/-10	U	20.0	P	07/22/2025	15:26	LB136571
	Nickel	3.06	+/-20	U	40.0	P	07/22/2025	15:26	LB136571
	Potassium	918	+/-1000	U	2000	P	07/22/2025	15:26	LB136571
	Selenium	9.64	+/-10	U	20.0	P	07/22/2025	15:26	LB136571
	Silver	1.62	+/-5	U	10.0	P	07/22/2025	15:26	LB136571
	Sodium	868	+/-1000	U	2000	P	07/22/2025	15:26	LB136571
	Thallium	4.38	+/-20	U	40.0	P	07/22/2025	15:26	LB136571
	Vanadium	6.26	+/-20	U	40.0	P	07/22/2025	15:26	LB136571
	Zinc	16.7	+/-20	U	40.0	P	07/22/2025	15:26	LB136571
CCB04	Aluminum	11.3	+/-50	U	100	P	07/22/2025	16:17	LB136571
	Antimony	6.76	+/-25	U	50.0	P	07/22/2025	16:17	LB136571
	Arsenic	5.12	+/-10	U	20.0	P	07/22/2025	16:17	LB136571
	Barium	14.6	+/-50	U	100	P	07/22/2025	16:17	LB136571
	Beryllium	0.56	+/-3	U	6.00	P	07/22/2025	16:17	LB136571
	Cadmium	0.50	+/-3	U	6.00	P	07/22/2025	16:17	LB136571
	Calcium	234	+/-1000	U	2000	P	07/22/2025	16:17	LB136571
	Chromium	2.12	+/-5	U	10.0	P	07/22/2025	16:17	LB136571
	Cobalt	2.26	+/-15	U	30.0	P	07/22/2025	16:17	LB136571
	Copper	4.60	+/-10	U	20.0	P	07/22/2025	16:17	LB136571
	Iron	23.4	+/-50	U	100	P	07/22/2025	16:17	LB136571
	Lead	2.30	+/-6	U	12.0	P	07/22/2025	16:17	LB136571

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Environmental Restoration, LLC

SDG No.: Q2646

Contract: ENVI60

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	244	+/-1000	U	2000	P	07/22/2025	16:17	LB136571
	Manganese	5.94	+/-10	U	20.0	P	07/22/2025	16:17	LB136571
	Nickel	3.06	+/-20	U	40.0	P	07/22/2025	16:17	LB136571
	Potassium	918	+/-1000	U	2000	P	07/22/2025	16:17	LB136571
	Selenium	9.64	+/-10	U	20.0	P	07/22/2025	16:17	LB136571
	Silver	1.62	+/-5	U	10.0	P	07/22/2025	16:17	LB136571
	Sodium	868	+/-1000	U	2000	P	07/22/2025	16:17	LB136571
	Thallium	4.38	+/-20	U	40.0	P	07/22/2025	16:17	LB136571
	Vanadium	6.26	+/-20	U	40.0	P	07/22/2025	16:17	LB136571
	Zinc	16.7	+/-20	U	40.0	P	07/22/2025	16:17	LB136571
CCB05	Aluminum	11.3	+/-50	U	100	P	07/22/2025	17:18	LB136571
	Antimony	6.76	+/-25	U	50.0	P	07/22/2025	17:18	LB136571
	Arsenic	5.12	+/-10	U	20.0	P	07/22/2025	17:18	LB136571
	Barium	14.6	+/-50	U	100	P	07/22/2025	17:18	LB136571
	Beryllium	0.56	+/-3	U	6.00	P	07/22/2025	17:18	LB136571
	Cadmium	0.50	+/-3	U	6.00	P	07/22/2025	17:18	LB136571
	Calcium	234	+/-1000	U	2000	P	07/22/2025	17:18	LB136571
	Chromium	2.12	+/-5	U	10.0	P	07/22/2025	17:18	LB136571
	Cobalt	2.26	+/-15	U	30.0	P	07/22/2025	17:18	LB136571
	Copper	4.60	+/-10	U	20.0	P	07/22/2025	17:18	LB136571
	Iron	23.4	+/-50	U	100	P	07/22/2025	17:18	LB136571
	Lead	2.30	+/-6	U	12.0	P	07/22/2025	17:18	LB136571
	Magnesium	244	+/-1000	U	2000	P	07/22/2025	17:18	LB136571
	Manganese	5.94	+/-10	U	20.0	P	07/22/2025	17:18	LB136571
	Nickel	3.06	+/-20	U	40.0	P	07/22/2025	17:18	LB136571
	Potassium	918	+/-1000	U	2000	P	07/22/2025	17:18	LB136571
	Selenium	9.64	+/-10	U	20.0	P	07/22/2025	17:18	LB136571
	Silver	1.62	+/-5	U	10.0	P	07/22/2025	17:18	LB136571
	Sodium	868	+/-1000	U	2000	P	07/22/2025	17:18	LB136571
	Thallium	4.38	+/-20	U	40.0	P	07/22/2025	17:18	LB136571
	Vanadium	6.26	+/-20	U	40.0	P	07/22/2025	17:18	LB136571
	Zinc	16.7	+/-20	U	40.0	P	07/22/2025	17:18	LB136571
CCB06	Aluminum	11.3	+/-50	U	100	P	07/22/2025	18:09	LB136571
	Antimony	6.76	+/-25	U	50.0	P	07/22/2025	18:09	LB136571
	Arsenic	5.12	+/-10	U	20.0	P	07/22/2025	18:09	LB136571
	Barium	14.6	+/-50	U	100	P	07/22/2025	18:09	LB136571
	Beryllium	0.56	+/-3	U	6.00	P	07/22/2025	18:09	LB136571
	Cadmium	0.50	+/-3	U	6.00	P	07/22/2025	18:09	LB136571
	Calcium	234	+/-1000	U	2000	P	07/22/2025	18:09	LB136571

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Environmental Restoration, LLC

SDG No.: Q2646

Contract: ENVI60

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Chromium	2.12	+/-5	U	10.0	P	07/22/2025	18:09	LB136571
	Cobalt	2.26	+/-15	U	30.0	P	07/22/2025	18:09	LB136571
	Copper	4.60	+/-10	U	20.0	P	07/22/2025	18:09	LB136571
	Iron	23.4	+/-50	U	100	P	07/22/2025	18:09	LB136571
	Lead	2.30	+/-6	U	12.0	P	07/22/2025	18:09	LB136571
	Magnesium	244	+/-1000	U	2000	P	07/22/2025	18:09	LB136571
	Manganese	5.94	+/-10	U	20.0	P	07/22/2025	18:09	LB136571
	Nickel	3.06	+/-20	U	40.0	P	07/22/2025	18:09	LB136571
	Potassium	918	+/-1000	U	2000	P	07/22/2025	18:09	LB136571
	Selenium	9.64	+/-10	U	20.0	P	07/22/2025	18:09	LB136571
	Silver	1.62	+/-5	U	10.0	P	07/22/2025	18:09	LB136571
	Sodium	868	+/-1000	U	2000	P	07/22/2025	18:09	LB136571
	Thallium	4.38	+/-20	U	40.0	P	07/22/2025	18:09	LB136571
	Vanadium	6.26	+/-20	U	40.0	P	07/22/2025	18:09	LB136571
	Zinc	16.7	+/-20	U	40.0	P	07/22/2025	18:09	LB136571
CCB07	Aluminum	11.3	+/-50	U	100	P	07/22/2025	18:58	LB136571
	Antimony	6.76	+/-25	U	50.0	P	07/22/2025	18:58	LB136571
	Arsenic	5.12	+/-10	U	20.0	P	07/22/2025	18:58	LB136571
	Barium	14.6	+/-50	U	100	P	07/22/2025	18:58	LB136571
	Beryllium	0.56	+/-3	U	6.00	P	07/22/2025	18:58	LB136571
	Cadmium	0.50	+/-3	U	6.00	P	07/22/2025	18:58	LB136571
	Calcium	234	+/-1000	U	2000	P	07/22/2025	18:58	LB136571
	Chromium	2.12	+/-5	U	10.0	P	07/22/2025	18:58	LB136571
	Cobalt	2.26	+/-15	U	30.0	P	07/22/2025	18:58	LB136571
	Copper	4.60	+/-10	U	20.0	P	07/22/2025	18:58	LB136571
	Iron	25.2	+/-50	J	100	P	07/22/2025	18:58	LB136571
	Lead	2.30	+/-6	U	12.0	P	07/22/2025	18:58	LB136571
	Magnesium	244	+/-1000	U	2000	P	07/22/2025	18:58	LB136571
	Manganese	5.94	+/-10	U	20.0	P	07/22/2025	18:58	LB136571
	Nickel	3.06	+/-20	U	40.0	P	07/22/2025	18:58	LB136571
	Potassium	918	+/-1000	U	2000	P	07/22/2025	18:58	LB136571
	Selenium	9.64	+/-10	U	20.0	P	07/22/2025	18:58	LB136571
	Silver	1.62	+/-5	U	10.0	P	07/22/2025	18:58	LB136571
	Sodium	868	+/-1000	U	2000	P	07/22/2025	18:58	LB136571
	Thallium	4.38	+/-20	U	40.0	P	07/22/2025	18:58	LB136571
	Vanadium	6.26	+/-20	U	40.0	P	07/22/2025	18:58	LB136571
	Zinc	17.9	+/-20	J	40.0	P	07/22/2025	18:58	LB136571
CCB08	Aluminum	11.3	+/-50	U	100	P	07/22/2025	19:23	LB136571
	Antimony	6.76	+/-25	U	50.0	P	07/22/2025	19:23	LB136571

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Environmental Restoration, LLC

SDG No.: Q2646

Contract: ENVI60

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB08	Arsenic	5.12	+/-10	U	20.0	P	07/22/2025	19:23	LB136571
	Barium	14.6	+/-50	U	100	P	07/22/2025	19:23	LB136571
	Beryllium	0.56	+/-3	U	6.00	P	07/22/2025	19:23	LB136571
	Cadmium	0.50	+/-3	U	6.00	P	07/22/2025	19:23	LB136571
	Calcium	234	+/-1000	U	2000	P	07/22/2025	19:23	LB136571
	Chromium	2.12	+/-5	U	10.0	P	07/22/2025	19:23	LB136571
	Cobalt	2.26	+/-15	U	30.0	P	07/22/2025	19:23	LB136571
	Copper	4.60	+/-10	U	20.0	P	07/22/2025	19:23	LB136571
	Iron	23.4	+/-50	U	100	P	07/22/2025	19:23	LB136571
	Lead	2.30	+/-6	U	12.0	P	07/22/2025	19:23	LB136571
	Magnesium	244	+/-1000	U	2000	P	07/22/2025	19:23	LB136571
	Manganese	5.94	+/-10	U	20.0	P	07/22/2025	19:23	LB136571
	Nickel	3.06	+/-20	U	40.0	P	07/22/2025	19:23	LB136571
	Potassium	918	+/-1000	U	2000	P	07/22/2025	19:23	LB136571
	Selenium	9.64	+/-10	U	20.0	P	07/22/2025	19:23	LB136571
	Silver	1.62	+/-5	U	10.0	P	07/22/2025	19:23	LB136571
	Sodium	868	+/-1000	U	2000	P	07/22/2025	19:23	LB136571
	Thallium	4.38	+/-20	U	40.0	P	07/22/2025	19:23	LB136571
	Vanadium	6.26	+/-20	U	40.0	P	07/22/2025	19:23	LB136571
	Zinc	16.7	+/-20	U	40.0	P	07/22/2025	19:23	LB136571

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Environmental Restoration, LLC

SDG No.: Q2646

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168961BL		WATER		Batch Number:	PB168961		Prep Date:	07/21/2025	
	Mercury	0.076	<0.2	U	0.20	CV	07/22/2025	17:21	LB136570

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Environmental Restoration, LLC

SDG No.: Q2646

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168932BL	WATER			Batch Number:	PB168932		Prep Date:	07/21/2025	
	Aluminum	5.67	<25	U	50.0	P	07/22/2025	15:05	LB136571
	Antimony	3.38	<12.5	U	25.0	P	07/22/2025	15:05	LB136571
	Arsenic	2.56	<5	U	10.0	P	07/22/2025	15:05	LB136571
	Barium	7.28	<25	U	50.0	P	07/22/2025	15:05	LB136571
	Beryllium	0.28	<1.5	U	3.00	P	07/22/2025	15:05	LB136571
	Cadmium	0.25	<1.5	U	3.00	P	07/22/2025	15:05	LB136571
	Calcium	117	<500	U	1000	P	07/22/2025	15:05	LB136571
	Chromium	1.06	<2.5	U	5.00	P	07/22/2025	15:05	LB136571
	Cobalt	1.13	<7.5	U	15.0	P	07/22/2025	15:05	LB136571
	Copper	2.30	<5	U	10.0	P	07/22/2025	15:05	LB136571
	Iron	11.7	<25	U	50.0	P	07/22/2025	15:05	LB136571
	Lead	1.15	<3	U	6.00	P	07/22/2025	15:05	LB136571
	Magnesium	122	<500	U	1000	P	07/22/2025	15:05	LB136571
	Manganese	2.97	<5	U	10.0	P	07/22/2025	15:05	LB136571
	Nickel	1.53	<10	U	20.0	P	07/22/2025	15:05	LB136571
	Potassium	459	<500	U	1000	P	07/22/2025	15:05	LB136571
	Selenium	4.82	<5	U	10.0	P	07/22/2025	15:05	LB136571
	Silver	0.81	<2.5	U	5.00	P	07/22/2025	15:05	LB136571
	Sodium	434	<500	U	1000	P	07/22/2025	15:05	LB136571
	Thallium	2.19	<10	U	20.0	P	07/22/2025	15:05	LB136571
	Vanadium	3.13	<10	U	20.0	P	07/22/2025	15:05	LB136571
	Zinc	8.33	<10	U	20.0	P	07/22/2025	15:05	LB136571



METAL CALIBRATION DATA

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Environmental Restoration, LLC

SDG No.: Q2646

Contract: ENVI60

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
ICV36	Mercury	3.82	4.0	96	90 - 110	CV	07/22/2025	15:13	LB136570

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Environmental Restoration, LLC

SDG No.: Q2646

Contract: ENVI60

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
CCV34	Mercury	4.50	5.0	90	90 - 110	CV	07/22/2025	15:17	LB136570
CCV35	Mercury	4.91	5.0	98	90 - 110	CV	07/22/2025	15:54	LB136570
CCV36	Mercury	5.27	5.0	105	90 - 110	CV	07/22/2025	16:28	LB136570
CCV37	Mercury	5.14	5.0	103	90 - 110	CV	07/22/2025	16:58	LB136570
CCV38	Mercury	4.98	5.0	100	90 - 110	CV	07/22/2025	17:31	LB136570
CCV39	Mercury	4.96	5.0	99	90 - 110	CV	07/22/2025	18:15	LB136570
CCV40	Mercury	5.05	5.0	101	90 - 110	CV	07/22/2025	18:56	LB136570

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Environmental Restoration, LLC

SDG No.: Q2646

Contract: ENVI60

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	Aluminum	8040	8000	100	90 - 110	P	07/22/2025	12:03	LB136571
	Antimony	4100	4000	103	90 - 110	P	07/22/2025	12:03	LB136571
	Arsenic	3880	4000	97	90 - 110	P	07/22/2025	12:03	LB136571
	Barium	8140	8000	102	90 - 110	P	07/22/2025	12:03	LB136571
	Beryllium	203	200	102	90 - 110	P	07/22/2025	12:03	LB136571
	Cadmium	1950	2000	98	90 - 110	P	07/22/2025	12:03	LB136571
	Calcium	20300	20000	102	90 - 110	P	07/22/2025	12:03	LB136571
	Chromium	819	800	102	90 - 110	P	07/22/2025	12:03	LB136571
	Cobalt	2030	2000	102	90 - 110	P	07/22/2025	12:03	LB136571
	Copper	1030	1000	103	90 - 110	P	07/22/2025	12:03	LB136571
	Iron	4060	4000	102	90 - 110	P	07/22/2025	12:03	LB136571
	Lead	3800	4000	95	90 - 110	P	07/22/2025	12:03	LB136571
	Magnesium	20200	20000	101	90 - 110	P	07/22/2025	12:03	LB136571
	Manganese	2030	2000	102	90 - 110	P	07/22/2025	12:03	LB136571
	Nickel	2040	2000	102	90 - 110	P	07/22/2025	12:03	LB136571
	Potassium	19900	20000	99	90 - 110	P	07/22/2025	12:03	LB136571
	Selenium	3880	4000	97	90 - 110	P	07/22/2025	12:03	LB136571
	Silver	1040	1000	104	90 - 110	P	07/22/2025	12:03	LB136571
	Sodium	19600	20000	98	90 - 110	P	07/22/2025	12:03	LB136571
	Thallium	3770	4000	94	90 - 110	P	07/22/2025	12:03	LB136571
	Vanadium	2010	2000	100	90 - 110	P	07/22/2025	12:03	LB136571
	Zinc	2050	2000	102	90 - 110	P	07/22/2025	12:03	LB136571

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Environmental Restoration, LLC

SDG No.: Q2646

Contract: ENVI60

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	Aluminum	108	100	108	80 - 120	P	07/22/2025	12:10	LB136571
	Antimony	52.5	50.0	105	80 - 120	P	07/22/2025	12:10	LB136571
	Arsenic	21.8	20.0	109	80 - 120	P	07/22/2025	12:10	LB136571
	Barium	101	100	102	80 - 120	P	07/22/2025	12:10	LB136571
	Beryllium	6.30	6.0	105	80 - 120	P	07/22/2025	12:10	LB136571
	Cadmium	5.75	6.0	96	80 - 120	P	07/22/2025	12:10	LB136571
	Calcium	2130	2000	107	80 - 120	P	07/22/2025	12:10	LB136571
	Chromium	10.8	10.0	108	80 - 120	P	07/22/2025	12:10	LB136571
	Cobalt	29.8	30.0	99	80 - 120	P	07/22/2025	12:10	LB136571
	Copper	21.7	20.0	108	80 - 120	P	07/22/2025	12:10	LB136571
	Iron	107	100	107	80 - 120	P	07/22/2025	12:10	LB136571
	Lead	13.2	12.0	110	80 - 120	P	07/22/2025	12:10	LB136571
	Magnesium	2200	2000	110	80 - 120	P	07/22/2025	12:10	LB136571
	Manganese	22.0	20.0	110	80 - 120	P	07/22/2025	12:10	LB136571
	Nickel	40.9	40.0	102	80 - 120	P	07/22/2025	12:10	LB136571
	Potassium	2100	2000	105	80 - 120	P	07/22/2025	12:10	LB136571
	Selenium	21.7	20.0	109	80 - 120	P	07/22/2025	12:10	LB136571
	Silver	10.4	10.0	104	80 - 120	P	07/22/2025	12:10	LB136571
	Sodium	1840	2000	92	80 - 120	P	07/22/2025	12:10	LB136571
	Thallium	39.5	40.0	99	80 - 120	P	07/22/2025	12:10	LB136571
	Vanadium	40.4	40.0	101	80 - 120	P	07/22/2025	12:10	LB136571
	Zinc	42.6	40.0	106	80 - 120	P	07/22/2025	12:10	LB136571

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Environmental Restoration, LLC

Contract: ENVI60

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

SDG No.: Q2646

Lab Code: ACE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	10000	10000	100	90 - 110	P	07/22/2025	13:00	LB136571
	Antimony	5050	5000	101	90 - 110	P	07/22/2025	13:00	LB136571
	Arsenic	5010	5000	100	90 - 110	P	07/22/2025	13:00	LB136571
	Barium	10100	10000	101	90 - 110	P	07/22/2025	13:00	LB136571
	Beryllium	247	250	99	90 - 110	P	07/22/2025	13:00	LB136571
	Cadmium	2470	2500	99	90 - 110	P	07/22/2025	13:00	LB136571
	Calcium	25500	25000	102	90 - 110	P	07/22/2025	13:00	LB136571
	Chromium	984	1000	98	90 - 110	P	07/22/2025	13:00	LB136571
	Cobalt	2480	2500	99	90 - 110	P	07/22/2025	13:00	LB136571
	Copper	1260	1250	101	90 - 110	P	07/22/2025	13:00	LB136571
	Iron	5030	5000	101	90 - 110	P	07/22/2025	13:00	LB136571
	Lead	4920	5000	98	90 - 110	P	07/22/2025	13:00	LB136571
	Magnesium	25000	25000	100	90 - 110	P	07/22/2025	13:00	LB136571
	Manganese	2530	2500	101	90 - 110	P	07/22/2025	13:00	LB136571
	Nickel	2490	2500	100	90 - 110	P	07/22/2025	13:00	LB136571
	Potassium	24900	25000	100	90 - 110	P	07/22/2025	13:00	LB136571
	Selenium	5030	5000	101	90 - 110	P	07/22/2025	13:00	LB136571
	Silver	1260	1250	100	90 - 110	P	07/22/2025	13:00	LB136571
	Sodium	24500	25000	98	90 - 110	P	07/22/2025	13:00	LB136571
	Thallium	5170	5000	103	90 - 110	P	07/22/2025	13:00	LB136571
	Vanadium	2500	2500	100	90 - 110	P	07/22/2025	13:00	LB136571
	Zinc	2530	2500	101	90 - 110	P	07/22/2025	13:00	LB136571
CCV02	Aluminum	10100	10000	101	90 - 110	P	07/22/2025	14:05	LB136571
	Antimony	5150	5000	103	90 - 110	P	07/22/2025	14:05	LB136571
	Arsenic	5090	5000	102	90 - 110	P	07/22/2025	14:05	LB136571
	Barium	10500	10000	105	90 - 110	P	07/22/2025	14:05	LB136571
	Beryllium	250	250	100	90 - 110	P	07/22/2025	14:05	LB136571
	Cadmium	2490	2500	100	90 - 110	P	07/22/2025	14:05	LB136571
	Calcium	26000	25000	104	90 - 110	P	07/22/2025	14:05	LB136571
	Chromium	976	1000	98	90 - 110	P	07/22/2025	14:05	LB136571
	Cobalt	2510	2500	100	90 - 110	P	07/22/2025	14:05	LB136571
	Copper	1280	1250	102	90 - 110	P	07/22/2025	14:05	LB136571
	Iron	5020	5000	100	90 - 110	P	07/22/2025	14:05	LB136571
	Lead	4970	5000	99	90 - 110	P	07/22/2025	14:05	LB136571

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Environmental Restoration, LLC

Contract: ENVI60

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

SDG No.: Q2646

Lab Code: ACE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	24700	25000	99	90 - 110	P	07/22/2025	14:05	LB136571
	Manganese	2570	2500	103	90 - 110	P	07/22/2025	14:05	LB136571
	Nickel	2520	2500	101	90 - 110	P	07/22/2025	14:05	LB136571
	Potassium	25600	25000	102	90 - 110	P	07/22/2025	14:05	LB136571
	Selenium	5100	5000	102	90 - 110	P	07/22/2025	14:05	LB136571
	Silver	1280	1250	102	90 - 110	P	07/22/2025	14:05	LB136571
	Sodium	23100	25000	93	90 - 110	P	07/22/2025	14:05	LB136571
	Thallium	4810	5000	96	90 - 110	P	07/22/2025	14:05	LB136571
	Vanadium	2510	2500	100	90 - 110	P	07/22/2025	14:05	LB136571
	Zinc	2570	2500	103	90 - 110	P	07/22/2025	14:05	LB136571
CCV03	Aluminum	10500	10000	105	90 - 110	P	07/22/2025	15:20	LB136571
	Antimony	5250	5000	105	90 - 110	P	07/22/2025	15:20	LB136571
	Arsenic	5210	5000	104	90 - 110	P	07/22/2025	15:20	LB136571
	Barium	10600	10000	106	90 - 110	P	07/22/2025	15:20	LB136571
	Beryllium	262	250	105	90 - 110	P	07/22/2025	15:20	LB136571
	Cadmium	2560	2500	102	90 - 110	P	07/22/2025	15:20	LB136571
	Calcium	26800	25000	107	90 - 110	P	07/22/2025	15:20	LB136571
	Chromium	1010	1000	101	90 - 110	P	07/22/2025	15:20	LB136571
	Cobalt	2560	2500	103	90 - 110	P	07/22/2025	15:20	LB136571
	Copper	1310	1250	104	90 - 110	P	07/22/2025	15:20	LB136571
	Iron	5150	5000	103	90 - 110	P	07/22/2025	15:20	LB136571
	Lead	5110	5000	102	90 - 110	P	07/22/2025	15:20	LB136571
	Magnesium	25900	25000	104	90 - 110	P	07/22/2025	15:20	LB136571
	Manganese	2660	2500	107	90 - 110	P	07/22/2025	15:20	LB136571
	Nickel	2590	2500	103	90 - 110	P	07/22/2025	15:20	LB136571
	Potassium	25800	25000	103	90 - 110	P	07/22/2025	15:20	LB136571
	Selenium	5230	5000	104	90 - 110	P	07/22/2025	15:20	LB136571
	Silver	1310	1250	105	90 - 110	P	07/22/2025	15:20	LB136571
	Sodium	23600	25000	94	90 - 110	P	07/22/2025	15:20	LB136571
	Thallium	5070	5000	102	90 - 110	P	07/22/2025	15:20	LB136571
CCV04	Vanadium	2610	2500	104	90 - 110	P	07/22/2025	15:20	LB136571
	Zinc	2650	2500	106	90 - 110	P	07/22/2025	15:20	LB136571
	Aluminum	10500	10000	105	90 - 110	P	07/22/2025	16:13	LB136571
	Antimony	5280	5000	106	90 - 110	P	07/22/2025	16:13	LB136571

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Environmental Restoration, LLC

Contract: ENVI60

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

SDG No.: Q2646

Lab Code: ACE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Arsenic	5220	5000	104	90 - 110	P	07/22/2025	16:13	LB136571
	Barium	10800	10000	108	90 - 110	P	07/22/2025	16:13	LB136571
	Beryllium	257	250	103	90 - 110	P	07/22/2025	16:13	LB136571
	Cadmium	2560	2500	102	90 - 110	P	07/22/2025	16:13	LB136571
	Calcium	27000	25000	108	90 - 110	P	07/22/2025	16:13	LB136571
	Chromium	1010	1000	101	90 - 110	P	07/22/2025	16:13	LB136571
	Cobalt	2570	2500	103	90 - 110	P	07/22/2025	16:13	LB136571
	Copper	1310	1250	105	90 - 110	P	07/22/2025	16:13	LB136571
	Iron	5270	5000	105	90 - 110	P	07/22/2025	16:13	LB136571
	Lead	5100	5000	102	90 - 110	P	07/22/2025	16:13	LB136571
	Magnesium	25900	25000	104	90 - 110	P	07/22/2025	16:13	LB136571
	Manganese	2670	2500	107	90 - 110	P	07/22/2025	16:13	LB136571
	Nickel	2590	2500	104	90 - 110	P	07/22/2025	16:13	LB136571
	Potassium	26500	25000	106	90 - 110	P	07/22/2025	16:13	LB136571
	Selenium	5240	5000	105	90 - 110	P	07/22/2025	16:13	LB136571
	Silver	1320	1250	105	90 - 110	P	07/22/2025	16:13	LB136571
	Sodium	23800	25000	95	90 - 110	P	07/22/2025	16:13	LB136571
	Thallium	5150	5000	103	90 - 110	P	07/22/2025	16:13	LB136571
	Vanadium	2620	2500	105	90 - 110	P	07/22/2025	16:13	LB136571
	Zinc	2660	2500	106	90 - 110	P	07/22/2025	16:13	LB136571
CCV05	Aluminum	10400	10000	104	90 - 110	P	07/22/2025	17:14	LB136571
	Antimony	5210	5000	104	90 - 110	P	07/22/2025	17:14	LB136571
	Arsenic	5170	5000	104	90 - 110	P	07/22/2025	17:14	LB136571
	Barium	10700	10000	107	90 - 110	P	07/22/2025	17:14	LB136571
	Beryllium	263	250	105	90 - 110	P	07/22/2025	17:14	LB136571
	Cadmium	2560	2500	102	90 - 110	P	07/22/2025	17:14	LB136571
	Calcium	27100	25000	108	90 - 110	P	07/22/2025	17:14	LB136571
	Chromium	1020	1000	102	90 - 110	P	07/22/2025	17:14	LB136571
	Cobalt	2560	2500	103	90 - 110	P	07/22/2025	17:14	LB136571
	Copper	1300	1250	104	90 - 110	P	07/22/2025	17:14	LB136571
	Iron	5300	5000	106	90 - 110	P	07/22/2025	17:14	LB136571
	Lead	5120	5000	102	90 - 110	P	07/22/2025	17:14	LB136571
	Magnesium	26100	25000	104	90 - 110	P	07/22/2025	17:14	LB136571
	Manganese	2680	2500	107	90 - 110	P	07/22/2025	17:14	LB136571

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Environmental Restoration, LLC

Contract: ENVI60

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

SDG No.: Q2646

Lab Code: ACE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Nickel	2590	2500	103	90 - 110	P	07/22/2025	17:14	LB136571
	Potassium	26000	25000	104	90 - 110	P	07/22/2025	17:14	LB136571
	Selenium	5180	5000	104	90 - 110	P	07/22/2025	17:14	LB136571
	Silver	1320	1250	106	90 - 110	P	07/22/2025	17:14	LB136571
	Sodium	23800	25000	95	90 - 110	P	07/22/2025	17:14	LB136571
	Thallium	5000	5000	100	90 - 110	P	07/22/2025	17:14	LB136571
	Vanadium	2610	2500	104	90 - 110	P	07/22/2025	17:14	LB136571
	Zinc	2650	2500	106	90 - 110	P	07/22/2025	17:14	LB136571
CCV06	Aluminum	10500	10000	105	90 - 110	P	07/22/2025	18:05	LB136571
	Antimony	5240	5000	105	90 - 110	P	07/22/2025	18:05	LB136571
	Arsenic	5170	5000	103	90 - 110	P	07/22/2025	18:05	LB136571
	Barium	10700	10000	107	90 - 110	P	07/22/2025	18:05	LB136571
	Beryllium	264	250	106	90 - 110	P	07/22/2025	18:05	LB136571
	Cadmium	2560	2500	102	90 - 110	P	07/22/2025	18:05	LB136571
	Calcium	27100	25000	108	90 - 110	P	07/22/2025	18:05	LB136571
	Chromium	1040	1000	104	90 - 110	P	07/22/2025	18:05	LB136571
	Cobalt	2570	2500	103	90 - 110	P	07/22/2025	18:05	LB136571
	Copper	1300	1250	104	90 - 110	P	07/22/2025	18:05	LB136571
	Iron	5390	5000	108	90 - 110	P	07/22/2025	18:05	LB136571
	Lead	5120	5000	102	90 - 110	P	07/22/2025	18:05	LB136571
	Magnesium	26400	25000	106	90 - 110	P	07/22/2025	18:05	LB136571
	Manganese	2700	2500	108	90 - 110	P	07/22/2025	18:05	LB136571
	Nickel	2590	2500	104	90 - 110	P	07/22/2025	18:05	LB136571
	Potassium	26300	25000	105	90 - 110	P	07/22/2025	18:05	LB136571
	Selenium	5170	5000	103	90 - 110	P	07/22/2025	18:05	LB136571
	Silver	1330	1250	107	90 - 110	P	07/22/2025	18:05	LB136571
	Sodium	24600	25000	98	90 - 110	P	07/22/2025	18:05	LB136571
	Thallium	4640	5000	93	90 - 110	P	07/22/2025	18:05	LB136571
	Vanadium	2630	2500	105	90 - 110	P	07/22/2025	18:05	LB136571
	Zinc	2690	2500	108	90 - 110	P	07/22/2025	18:05	LB136571
CCV07	Aluminum	10400	10000	104	90 - 110	P	07/22/2025	18:54	LB136571
	Antimony	5250	5000	105	90 - 110	P	07/22/2025	18:54	LB136571
	Arsenic	5190	5000	104	90 - 110	P	07/22/2025	18:54	LB136571
	Barium	10600	10000	106	90 - 110	P	07/22/2025	18:54	LB136571

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Environmental Restoration, LLC

Contract: ENVI60

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

SDG No.: Q2646

Lab Code: ACE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV07	Beryllium	267	250	107	90 - 110	P	07/22/2025	18:54	LB136571
	Cadmium	2570	2500	103	90 - 110	P	07/22/2025	18:54	LB136571
	Calcium	26900	25000	107	90 - 110	P	07/22/2025	18:54	LB136571
	Chromium	1010	1000	101	90 - 110	P	07/22/2025	18:54	LB136571
	Cobalt	2580	2500	103	90 - 110	P	07/22/2025	18:54	LB136571
	Copper	1310	1250	105	90 - 110	P	07/22/2025	18:54	LB136571
	Iron	5140	5000	103	90 - 110	P	07/22/2025	18:54	LB136571
	Lead	5130	5000	103	90 - 110	P	07/22/2025	18:54	LB136571
	Magnesium	26200	25000	105	90 - 110	P	07/22/2025	18:54	LB136571
	Manganese	2680	2500	107	90 - 110	P	07/22/2025	18:54	LB136571
	Nickel	2600	2500	104	90 - 110	P	07/22/2025	18:54	LB136571
	Potassium	25200	25000	101	90 - 110	P	07/22/2025	18:54	LB136571
	Selenium	5190	5000	104	90 - 110	P	07/22/2025	18:54	LB136571
	Silver	1320	1250	105	90 - 110	P	07/22/2025	18:54	LB136571
	Sodium	23300	25000	93	90 - 110	P	07/22/2025	18:54	LB136571
	Thallium	4570	5000	91	90 - 110	P	07/22/2025	18:54	LB136571
	Vanadium	2620	2500	105	90 - 110	P	07/22/2025	18:54	LB136571
	Zinc	2650	2500	106	90 - 110	P	07/22/2025	18:54	LB136571
CCV08	Aluminum	10600	10000	106	90 - 110	P	07/22/2025	19:19	LB136571
	Antimony	5340	5000	107	90 - 110	P	07/22/2025	19:19	LB136571
	Arsenic	5260	5000	105	90 - 110	P	07/22/2025	19:19	LB136571
	Barium	10800	10000	108	90 - 110	P	07/22/2025	19:19	LB136571
	Beryllium	270	250	108	90 - 110	P	07/22/2025	19:19	LB136571
	Cadmium	2580	2500	103	90 - 110	P	07/22/2025	19:19	LB136571
	Calcium	27200	25000	109	90 - 110	P	07/22/2025	19:19	LB136571
	Chromium	1050	1000	105	90 - 110	P	07/22/2025	19:19	LB136571
	Cobalt	2600	2500	104	90 - 110	P	07/22/2025	19:19	LB136571
	Copper	1320	1250	105	90 - 110	P	07/22/2025	19:19	LB136571
	Iron	5340	5000	107	90 - 110	P	07/22/2025	19:19	LB136571
	Lead	5150	5000	103	90 - 110	P	07/22/2025	19:19	LB136571
	Magnesium	26600	25000	106	90 - 110	P	07/22/2025	19:19	LB136571
	Manganese	2720	2500	109	90 - 110	P	07/22/2025	19:19	LB136571
	Nickel	2610	2500	104	90 - 110	P	07/22/2025	19:19	LB136571
	Potassium	25900	25000	104	90 - 110	P	07/22/2025	19:19	LB136571

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Environmental Restoration, LLC

SDG No.: Q2646

Contract: ENVI60

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
CCV08	Selenium	5290	5000	106	90 - 110	P	07/22/2025	19:19	LB136571
	Silver	1330	1250	107	90 - 110	P	07/22/2025	19:19	LB136571
	Sodium	24500	25000	98	90 - 110	P	07/22/2025	19:19	LB136571
	Thallium	5010	5000	100	90 - 110	P	07/22/2025	19:19	LB136571
	Vanadium	2660	2500	106	90 - 110	P	07/22/2025	19:19	LB136571
	Zinc	2710	2500	108	90 - 110	P	07/22/2025	19:19	LB136571

Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: Environmental Restoration, LLC

SDG No.: Q2646

Contract: ENVI60

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	Aluminum	102	100	102	65 - 135	P	07/22/2025	12:32	LB136571
	Antimony	54.5	50.0	109	65 - 135	P	07/22/2025	12:32	LB136571
	Arsenic	20.5	20.0	103	65 - 135	P	07/22/2025	12:32	LB136571
	Barium	99.5	100	100	65 - 135	P	07/22/2025	12:32	LB136571
	Beryllium	6.00	6.0	100	65 - 135	P	07/22/2025	12:32	LB136571
	Cadmium	5.65	6.0	94	65 - 135	P	07/22/2025	12:32	LB136571
	Calcium	2100	2000	105	65 - 135	P	07/22/2025	12:32	LB136571
	Chromium	10.5	10.0	106	65 - 135	P	07/22/2025	12:32	LB136571
	Cobalt	29.6	30.0	99	65 - 135	P	07/22/2025	12:32	LB136571
	Copper	21.6	20.0	108	65 - 135	P	07/22/2025	12:32	LB136571
	Iron	108	100	108	65 - 135	P	07/22/2025	12:32	LB136571
	Lead	12.4	12.0	103	65 - 135	P	07/22/2025	12:32	LB136571
	Magnesium	2170	2000	109	65 - 135	P	07/22/2025	12:32	LB136571
	Manganese	22.5	20.0	113	65 - 135	P	07/22/2025	12:32	LB136571
	Nickel	41.2	40.0	103	65 - 135	P	07/22/2025	12:32	LB136571
	Potassium	2030	2000	102	65 - 135	P	07/22/2025	12:32	LB136571
	Selenium	21.2	20.0	106	65 - 135	P	07/22/2025	12:32	LB136571
	Silver	9.69	10.0	97	65 - 135	P	07/22/2025	12:32	LB136571
	Sodium	1770	2000	88	65 - 135	P	07/22/2025	12:32	LB136571
	Thallium	39.6	40.0	99	65 - 135	P	07/22/2025	12:32	LB136571
	Vanadium	35.2	40.0	88	65 - 135	P	07/22/2025	12:32	LB136571
	Zinc	43.8	40.0	110	65 - 135	P	07/22/2025	12:32	LB136571
CRA	Mercury	0.19	0.2	93	70 - 130	CV	07/22/2025	15:22	LB136570

Metals
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INTERFERENCE CHECK SAMPLE

Client: <u>Environmental Restoration, LLC</u>	SDG No.: <u>Q2646</u>
Contract: <u>ENVI60</u>	Lab Code: <u>ACE</u>
ICS Source: <u>EPA</u>	Instrument ID: <u>P4</u>

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Aluminum	252000	255000	99	216000	294000	07/22/2025	12:37	LB136571
	Antimony	-2.10			-50	50	07/22/2025	12:37	LB136571
	Arsenic	10.7			-20	20	07/22/2025	12:37	LB136571
	Barium	2.26	6.0	38	-94	106	07/22/2025	12:37	LB136571
	Beryllium	0.54			-6	6	07/22/2025	12:37	LB136571
	Cadmium	-1.25	1.0	125	-5	7	07/22/2025	12:37	LB136571
	Calcium	242000	245000	99	208000	282000	07/22/2025	12:37	LB136571
	Chromium	55.9	52.0	108	42	62	07/22/2025	12:37	LB136571
	Cobalt	2.22			-30	30	07/22/2025	12:37	LB136571
	Copper	20.9	2.0	1045	-18	22	07/22/2025	12:37	LB136571
	Iron	102000	101000	101	85600	116500	07/22/2025	12:37	LB136571
	Lead	-3.81			-12	12	07/22/2025	12:37	LB136571
	Magnesium	256000	255000	100	216000	294000	07/22/2025	12:37	LB136571
	Manganese	7.79	7.0	111	-13	27	07/22/2025	12:37	LB136571
	Nickel	3.78	2.0	189	-38	42	07/22/2025	12:37	LB136571
	Potassium	199			0	0	07/22/2025	12:37	LB136571
	Selenium	-9.01			-20	20	07/22/2025	12:37	LB136571
	Silver	3.81			-10	10	07/22/2025	12:37	LB136571
	Sodium	63.1			0	0	07/22/2025	12:37	LB136571
	Thallium	9.30			-40	40	07/22/2025	12:37	LB136571
	Vanadium	4.76			-40	40	07/22/2025	12:37	LB136571
	Zinc	2.48			-40	40	07/22/2025	12:37	LB136571
ICSAB01	Aluminum	251000	247000	102	209000	285000	07/22/2025	12:48	LB136571
	Antimony	583	618	94	525	711	07/22/2025	12:48	LB136571
	Arsenic	103	104	99	88.4	120	07/22/2025	12:48	LB136571
	Barium	494	537	92	437	637	07/22/2025	12:48	LB136571
	Beryllium	474	495	96	420	570	07/22/2025	12:48	LB136571
	Cadmium	914	972	94	826	1120	07/22/2025	12:48	LB136571
	Calcium	243000	235000	103	199000	271000	07/22/2025	12:48	LB136571
	Chromium	536	542	99	460	624	07/22/2025	12:48	LB136571
	Cobalt	480	476	101	404	548	07/22/2025	12:48	LB136571
	Copper	476	511	93	434	588	07/22/2025	12:48	LB136571
	Iron	101000	99300	102	84400	114500	07/22/2025	12:48	LB136571
	Lead	42.1	49.0	86	37	61	07/22/2025	12:48	LB136571
	Magnesium	255000	248000	103	210000	286000	07/22/2025	12:48	LB136571
	Manganese	486	507	96	430	584	07/22/2025	12:48	LB136571
	Nickel	961	954	101	810	1100	07/22/2025	12:48	LB136571
	Potassium	-46.0			0	0	07/22/2025	12:48	LB136571
	Selenium	40.7	46.0	88	26	66	07/22/2025	12:48	LB136571
	Silver	210	201	104	170	232	07/22/2025	12:48	LB136571
	Sodium	3.98			0	0	07/22/2025	12:48	LB136571
	Thallium	104	108	96	68	148	07/22/2025	12:48	LB136571

Metals

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INTERFERENCE CHECK SAMPLE

Client: Environmental Restoration, LLC

SDG No.: Q2646

Contract: ENVI60

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
ICSAB01	Vanadium	461	491	94	417	565	07/22/2025	12:48	LB136571
	Zinc	1020	952	107	809	1095	07/22/2025	12:48	LB136571



METAL QC DATA



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

metals
- 5a -
MATRIX SPIKE SUMMARY

client:	Environmental Restoration, LLC	level:	low	sdg no.:	Q2646
contract:	ENVI60			lab code:	ACE
matrix:	Water	sample id:	Q2640-01	client id:	ELMORA-WATERMS
Percent Solids for Sample:	NA	Spiked ID:	Q2640-01MS	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	75 - 125	2.62		0.20	U	4.0	66	N	CV



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client:	Environmental Restoration, LLC	level:	low	sdg no.:	Q2646
contract:	ENVI60			lab code:	ACE
matrix:	Water	sample id:	Q2640-01	client id:	ELMORA-WATERMSD
Percent Solids for Sample:	NA	Spiked ID:	Q2640-01MSD	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	75 - 125	2.41		0.20	U	4.0	60	N	CV

metals
- 5a -
MATRIX SPIKE SUMMARY

client: Environmental Restoration, LLC **level:** low **sdg no.:** Q2646
contract: ENVI60 **lab code:** ACE
matrix: Water **sample id:** Q2644-02 **client id:** RW8-SP303-20250717MS
Percent Solids for Sample: NA **Spiked ID:** Q2644-02MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	86 - 115	1010		25.3	J	1000	99		P
Antimony	ug/L	88 - 113	394		25.0	U	400	98		P
Arsenic	ug/L	87 - 113	371		10.0	U	400	93		P
Barium	ug/L	88 - 113	103		50.0	U	100	103		P
Beryllium	ug/L	89 - 112	95.5		3.00	U	100	96		P
Cadmium	ug/L	88 - 113	89.7		3.00	U	100	90		P
Calcium	ug/L	87 - 113	2760		2250		500	102		P
Chromium	ug/L	90 - 113	194		5.00	U	200	97		P
Cobalt	ug/L	89 - 114	98.9		3.54	J	100	95		P
Copper	ug/L	86 - 114	151		2.60	J	150	99		P
Iron	ug/L	87 - 115	1530		54.6		1500	98		P
Lead	ug/L	86 - 113	447		6.00	U	500	89		P
Magnesium	ug/L	85 - 113	1840		874	J	1000	97		P
Manganese	ug/L	90 - 114	113		9.95	J	100	103		P
Nickel	ug/L	88 - 113	245		4.63	J	250	96		P
Potassium	ug/L	86 - 114	5130		1000	U	5000	103		P
Selenium	ug/L	83 - 114	909		10.0	U	1000	91		P
Silver	ug/L	84 - 115	36.0		5.00	U	37.5	96		P
Sodium	ug/L	87 - 115	8460		6990		1500	98		P
Thallium	ug/L	85 - 114	851		20.0	U	1000	85		P
Vanadium	ug/L	90 - 111	149		20.0	U	150	99		P
Zinc	ug/L	87 - 115	121		19.4	J	100	102		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: Environmental Restoration, LLC **level:** low **sdg no.:** Q2646
contract: ENVI60 **lab code:** ACE
matrix: Water **sample id:** Q2644-02 **client id:** RW8-SP303-20250717MSD
Percent Solids for Sample: NA **Spiked ID:** Q2644-02MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	86 - 115	1060		25.3	J	1000	103		P
Antimony	ug/L	88 - 113	413		25.0	U	400	103		P
Arsenic	ug/L	87 - 113	390		10.0	U	400	98		P
Barium	ug/L	88 - 113	107		50.0	U	100	107		P
Beryllium	ug/L	89 - 112	99.6		3.00	U	100	100		P
Cadmium	ug/L	88 - 113	94.1		3.00	U	100	94		P
Calcium	ug/L	87 - 113	2890		2250		500	128		P
Chromium	ug/L	90 - 113	204		5.00	U	200	102		P
Cobalt	ug/L	89 - 114	104		3.54	J	100	100		P
Copper	ug/L	86 - 114	158		2.60	J	150	104		P
Iron	ug/L	87 - 115	1600		54.6		1500	103		P
Lead	ug/L	86 - 113	469		6.00	U	500	94		P
Magnesium	ug/L	85 - 113	1920		874	J	1000	105		P
Manganese	ug/L	90 - 114	118		9.95	J	100	108		P
Nickel	ug/L	88 - 113	256		4.63	J	250	101		P
Potassium	ug/L	86 - 114	5380		1000	U	5000	108		P
Selenium	ug/L	83 - 114	964		10.0	U	1000	96		P
Silver	ug/L	84 - 115	37.3		5.00	U	37.5	100		P
Sodium	ug/L	87 - 115	9020		6990		1500	136		P
Thallium	ug/L	85 - 114	974		20.0	U	1000	97		P
Vanadium	ug/L	90 - 111	156		20.0	U	150	104		P
Zinc	ug/L	87 - 115	128		19.4	J	100	108		P

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: Environmental Restoration, LLC

SDG No.: Q2646

Contract: ENVI60

Lab Code: ACE

Matrix: Water

Level: LOW

Client ID: ELMORA-WATERA

Sample ID: Q2640-01 **Spiked ID:** Q2640-01A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	75 - 125	3.33		0.20	U	4.00	83		CV

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Environmental Restoration, LLC **Level:** LOW **SDG No.:** Q2646
Contract: ENVI60 **Lab Code:** ACE
Matrix: Water **Sample ID:** Q2640-01 **Client ID:** ELMORA-WATERDUP
Percent Solids for Sample: NA **Duplicate ID** Q2640-01DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	0.20	U	0.20	U			CV

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>Environmental Restoration, LLC</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q2646</u>
Contract:	<u>ENVI60</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q2640-01MS</u>	Client ID:	<u>ELMORA-WATERMSD</u>
Percent Solids for Sample:	NA	Duplicate ID	Q2640-01MSD	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	2.62		2.41		8		CV

Metals

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DUPLICATE SAMPLE SUMMARY

Client: Environmental Restoration, LLC **Level:** LOW **SDG No.:** Q2646
Contract: ENVI60 **Lab Code:** ACE
Matrix: Water **Sample ID:** Q2644-02 **Client ID:** RW8-SP303-20250717DUP
Percent Solids for Sample: NA **Duplicate ID** Q2644-02DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	25.3	J	31.7	J	22		P
Antimony	ug/L	20	25.0	U	25.0	U			P
Arsenic	ug/L	20	10.0	U	10.0	U			P
Barium	ug/L	20	50.0	U	50.0	U			P
Beryllium	ug/L	20	3.00	U	3.00	U			P
Cadmium	ug/L	20	3.00	U	3.00	U			P
Calcium	ug/L	20	2250		2360		5		P
Chromium	ug/L	20	5.00	U	5.00	U			P
Cobalt	ug/L	20	3.54	J	3.69	J	4		P
Copper	ug/L	20	2.60	J	2.88	J	10		P
Iron	ug/L	20	54.6		58.1		6		P
Lead	ug/L	20	6.00	U	6.00	U			P
Magnesium	ug/L	20	874	J	892	J	2		P
Manganese	ug/L	20	9.95	J	10.5		6		P
Nickel	ug/L	20	4.63	J	4.77	J	3		P
Potassium	ug/L	20	1000	U	465	J	200.0		P
Selenium	ug/L	20	10.0	U	10.0	U			P
Silver	ug/L	20	5.00	U	5.00	U			P
Sodium	ug/L	20	6990		7270		4		P
Thallium	ug/L	20	20.0	U	20.0	U			P
Vanadium	ug/L	20	20.0	U	20.0	U			P
Zinc	ug/L	20	19.4	J	20.3		5		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client: Environmental Restoration, LLC **Level:** LOW **SDG No.:** Q2646
Contract: ENVI60 **Lab Code:** ACE
Matrix: Water **Sample ID:** Q2644-02MS **Client ID:** RW8-SP303-20250717MSD
Percent Solids for Sample: NA **Duplicate ID** Q2644-02MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	1010		1060		5		P
Antimony	ug/L	20	394		413		5		P
Arsenic	ug/L	20	371		390		5		P
Barium	ug/L	20	103		107		4		P
Beryllium	ug/L	20	95.5		99.6		4		P
Cadmium	ug/L	20	89.7		94.1		5		P
Calcium	ug/L	20	2760		2890		5		P
Chromium	ug/L	20	194		204		5		P
Cobalt	ug/L	20	98.9		104		5		P
Copper	ug/L	20	151		158		5		P
Iron	ug/L	20	1530		1600		4		P
Lead	ug/L	20	447		469		5		P
Magnesium	ug/L	20	1840		1920		4		P
Manganese	ug/L	20	113		118		4		P
Nickel	ug/L	20	245		256		4		P
Potassium	ug/L	20	5130		5380		5		P
Selenium	ug/L	20	909		964		6		P
Silver	ug/L	20	36.0		37.3		4		P
Sodium	ug/L	20	8460		9020		6		P
Thallium	ug/L	20	851		974		13		P
Vanadium	ug/L	20	149		156		5		P
Zinc	ug/L	20	121		128		6		P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client:	<u>Environmental Restoration, LLC</u>	SDG No.:	<u>Q2646</u>
Contract:	<u>ENVI60</u>	Lab Code:	<u>ACE</u>

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168932BS							
Aluminum	ug/L	1000	1050		105	86 - 115	P
Antimony	ug/L	400	431		108	88 - 113	P
Arsenic	ug/L	400	403		101	87 - 113	P
Barium	ug/L	100	108		108	88 - 113	P
Beryllium	ug/L	100	106		106	89 - 112	P
Cadmium	ug/L	100	97.7		98	88 - 113	P
Calcium	ug/L	500	559	J	112	87 - 113	P
Chromium	ug/L	200	208		104	90 - 113	P
Cobalt	ug/L	100	103		103	89 - 114	P
Copper	ug/L	150	162		108	86 - 114	P
Iron	ug/L	1500	1580		105	87 - 115	P
Lead	ug/L	500	491		98	86 - 113	P
Magnesium	ug/L	1000	1060		106	85 - 113	P
Manganese	ug/L	100	109		109	90 - 114	P
Nickel	ug/L	250	260		104	88 - 113	P
Potassium	ug/L	5000	5170		103	86 - 114	P
Selenium	ug/L	1000	1020		102	83 - 114	P
Silver	ug/L	37.5	40.0		107	84 - 115	P
Sodium	ug/L	1500	1480		99	87 - 115	P
Thallium	ug/L	1000	1070		107	85 - 114	P
Vanadium	ug/L	150	157		105	90 - 111	P
Zinc	ug/L	100	110		110	87 - 115	P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Environmental Restoration, LLC

SDG No.: Q2646

Contract: ENVI60

Lab Code: ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168961BS Mercury	ug/L	4.0	3.84		96	80 - 120	CV

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

ELMORA-WATERL

Lab Name: Alliance **Contract:** ENVI60
Lab Code: ACE **Lb No.:** lb136570 **Lab Sample ID :** Q2640-01L **SDG No.:** Q2646
Matrix (soil/water): Water **Level (low/med):** LOW
Concentration Units: ug/L

Analyte	Initial Sample Result (I) C	Serial Dilution Result (S) C	% Differ- ence	Q	M
Mercury	0.20 U	1.00 U			CV

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

RW8-SP303-20250717L

Lab Name: Alliance

Contract: ENVI60

Lab Code: ACE Lb No.: lb136571 Lab Sample ID : Q2644-02L SDG No.: Q2646

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

Concentration Units: ug/L

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Differ-ence	Q	M
		C		C			
Aluminum	25.3	J	45.2	J	78		P
Antimony	25.0	U	125	U			P
Arsenic	10.0	U	50.0	U			P
Barium	50.0	U	250	U			P
Beryllium	3.00	U	15.0	U			P
Cadmium	3.00	U	15.0	U			P
Calcium	2250		2240	J	1		P
Chromium	5.00	U	25.0	U			P
Cobalt	3.54	J	75.0	U	100.0		P
Copper	2.60	J	50.0	U	100.0		P
Iron	54.6		250	U	100.0		P
Lead	6.00	U	30.0	U			P
Magnesium	874	J	858	J	2		P
Manganese	9.95	J	50.0	U	100.0		P
Nickel	4.63	J	100	U	100.0		P
Potassium	1000	U	5000	U			P
Selenium	10.0	U	50.0	U			P
Silver	5.00	U	25.0	U			P
Sodium	6990		6630		5		P
Thallium	20.0	U	100	U			P
Vanadium	20.0	U	100	U			P
Zinc	19.4	J	100	U	100.0		P

metals
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ANALYSIS RUN LOG

Client: Environmental Restoration, LLC

Contract: ENVI60

Lab code: ACE

Sdg no.: Q2646

Instrument id number: _____

Method: _____

Run number: LB136570

Start date: 07/22/2025

End date: 07/22/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1429	HG
S0.2	S0.2	1	1431	HG
S2.5	S2.5	1	1434	HG
S5	S5	1	1436	HG
S7.5	S7.5	1	1438	HG
S10	S10	1	1452	HG
ICV36	ICV36	1	1513	HG
ICB36	ICB36	1	1515	HG
CCV34	CCV34	1	1517	HG
CCB34	CCB34	1	1520	HG
CRA	CRA	1	1522	HG
CCV35	CCV35	1	1554	HG
CCB35	CCB35	1	1559	HG
CCV36	CCV36	1	1628	HG
CCB36	CCB36	1	1630	HG
CCV37	CCV37	1	1658	HG
CCB37	CCB37	1	1700	HG
PB168961BL	PB168961BL	1	1721	HG
PB168961BS	PB168961BS	1	1724	HG
Q2640-01DUP	ELMORA-WATERDUP	1	1728	HG
CCV38	CCV38	1	1731	HG
CCB38	CCB38	1	1733	HG
Q2640-01MS	ELMORA-WATERMS	1	1735	HG
Q2640-01MSD	ELMORA-WATERMSD	1	1737	HG
Q2646-01	FRAC TANK	1	1740	HG
CCV39	CCV39	1	1815	HG
CCB39	CCB39	1	1820	HG
Q2640-01L	ELMORA-WATERL	5	1831	HG
Q2640-01A	ELMORA-WATERA	1	1833	HG
CCV40	CCV40	1	1856	HG
CCB40	CCB40	1	1858	HG

metals
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ANALYSIS RUN LOG

Client: Environmental Restoration, LLC

Contract: ENVI60

Lab code: ACE

Sdg no.: Q2646

Instrument id number:

Method:

Run number: LB136571

Start date: 07/22/2025

End date: 07/22/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1111	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S1	S1	1	1116	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1120	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1124	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1128	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1133	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICV01	ICV01	1	1203	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1210	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1227	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI01	CRI01	1	1232	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1237	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1248	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1300	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1305	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1405	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1409	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB168932BL	PB168932BL	1	1505	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB168932BS	PB168932BS	1	1515	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	1520	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1526	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2644-02DUP	RW8-SP303-20250717DUP	1	1544	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2644-02L	RW8-SP303-20250717L	5	1548	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2644-02MS	RW8-SP303-20250717MS	1	1553	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2644-02MSD	RW8-SP303-20250717MSD	1	1557	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2646-01	FRAC TANK	1	1605	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1613	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1617	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV05	CCV05	1	1714	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB05	CCB05	1	1718	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV06	CCV06	1	1805	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB06	CCB06	1	1809	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV07	CCV07	1	1854	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB07	CCB07	1	1858	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV08	CCV08	1	1919	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB08	CCB08	1	1923	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn



METAL PREPARATION & INSTRUMENT DATA

Metals

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ICP INTERELEMEN CORRECTION FACTORS

Client: Environmental Restoration, LLC

SDG No.: Q2646

Contract: ENVI60

Lab Code: ACE

Instrument ID:

Date:

Interement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement Correction Factors For:				
		Al	Ca	Fe	Mg	Ag
Aluminum	396.100	0.0000000	-0.0002060	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
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
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000930	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	-0.0075970	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0007850	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0000920	0.0000000	0.0000380	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	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
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0001050	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Environmental Restoration, LLC

SDG No.: Q2646

Contract: ENVI60

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
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
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
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0002870
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0009530
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	-0.0039600
Lead	220.353	0.0000000	0.0003170	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	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
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0054900
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMEN CORRECTION FACTORS

Client: Environmental Restoration, LLC

SDG No.: Q2646

Contract: ENVI60

Lab Code: ACE

Instrument ID:

Date:

Interement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement Correction Factors For:				
		Cr	Cu	K	Mn	Mo
Aluminum	396.100	0.0000000	0.0000000	0.0000590	0.0000000	0.0396900
Antimony	206.833	0.0122000	0.0000000	0.0000000	0.0000000	0.0000000
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
Beryllium	234.861	0.0000000	0.0000000	0.0000000	-0.0000710	-0.0003400
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000070	0.0002200	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	-0.0007860
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0006510	0.0020500
Iron	240.488	0.0000000	0.0000000	0.0000730	0.0000000	-0.0015250
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0001400	-0.0008600
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
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
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0017400	-0.0100400
Vanadium	292.402	-0.0025100	0.0000000	0.0000000	0.0000000	-0.0072000
Zinc	213.800	0.0000000	0.0009010	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Environmental Restoration, LLC

SDG No.: Q2646

Contract: ENVI60

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
Aluminum	396.100	0.0000000	0.0000000	0.0012800	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
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
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	-0.0047000	0.0036100	0.0000000	0.0000000
Iron	240.488	0.0000000	-0.0017000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
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
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0067600	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Environmental Restoration, LLC

SDG No.: Q2646

Contract: ENVI60

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
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	-0.0035600	-0.0007970	0.0000000	-0.0018900	0.0000000
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
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000630	0.0001280	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0001110	0.0000000
Cobalt	228.616	0.0000000	0.0018800	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0003840	0.0000000	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	-0.0003610	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	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
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	-0.0039700	0.0000000	-0.0115600	0.0000000
Vanadium	292.402	0.0000000	0.0005320	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000



LAB CHRONICLE

OrderID:	Q2646	OrderDate:	7/18/2025 11:47:00 AM
Client:	Environmental Restoration, LLC	Project:	North Arlington, NJ
Contact:	Steve Motta	Location:	O11,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2646-01	FRAC TANK	Water	Mercury Metals ICP-TAL	7470A 6010D	07/18/25	07/21/25 07/21/25	07/22/25 07/22/25	07/18/25



METAL PREPARATION & ANALYICAL SUMMARY

Metals
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SAMPLE PREPARATION SUMMARY

Client: Environmental Restoration, LLC

SDG No.: Q2646

Contract: ENVI60

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: PB168932							
PB168932BL	PB168932BL	MB	WATER	07/21/2025	50.0	25.0	
PB168932BS	PB168932BS	LCS	WATER	07/21/2025	50.0	25.0	
Q2644-02DUP	RW8-SP303-20250717DUP	DUP	WATER	07/21/2025	50.0	25.0	
Q2644-02MS	RW8-SP303-20250717MS	MS	WATER	07/21/2025	50.0	25.0	
Q2644-02MSD	RW8-SP303-20250717MSD	MSD	WATER	07/21/2025	50.0	25.0	
Q2646-01	FRAC TANK	SAM	WATER	07/21/2025	2.0	25.0	

Metals

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SAMPLE PREPARATION SUMMARY

Client: Environmental Restoration, LLC

SDG No.: Q2646

Contract: ENVI60

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: PB168961							
PB168961BL	PB168961BL	MB	WATER	07/21/2025	30.0	30.0	
PB168961BS	PB168961BS	LCS	WATER	07/21/2025	30.0	30.0	
Q2640-01DUP	ELMORA-WATERDUP	DUP	WATER	07/21/2025	30.0	30.0	
Q2640-01MS	ELMORA-WATERMS	MS	WATER	07/21/2025	30.0	30.0	
Q2640-01MSD	ELMORA-WATERMSD	MSD	WATER	07/21/2025	30.0	30.0	
Q2646-01	FRAC TANK	SAM	WATER	07/21/2025	30.0	30.0	

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB136570

Review By	MOHAN	Review On	7/23/2025 3:54:41 PM
Supervise By	jaswal	Supervise On	7/23/2025 3:56:59 PM
STD. NAME	STD REF.#		
ICAL Standard	MP86427,MP86428,MP86429,MP86430,MP86431,MP86432		
ICV Standard	MP86433		
CCV Standard	MP86435		
ICSA Standard			
CRI Standard	MP86437		
LCS Standard			
Chk Standard	MP86434,MP86436,MP8646538,MP86423		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	07/22/25 14:29		MOHAN	OK
2	S0.2	S0.2	CAL2	07/22/25 14:31		MOHAN	OK
3	S2.5	S2.5	CAL3	07/22/25 14:34		MOHAN	OK
4	S5	S5	CAL4	07/22/25 14:36		MOHAN	OK
5	S7.5	S7.5	CAL5	07/22/25 14:38		MOHAN	OK
6	S10	S10	CAL6	07/22/25 14:52		MOHAN	OK
7	ICV36	ICV36	ICV	07/22/25 15:13		MOHAN	OK
8	ICB36	ICB36	ICB	07/22/25 15:15		MOHAN	OK
9	CCV34	CCV34	CCV	07/22/25 15:17		MOHAN	OK
10	CCB34	CCB34	CCB	07/22/25 15:20		MOHAN	OK
11	CRA	CRA	CRDL	07/22/25 15:22		MOHAN	OK
12	HighStd	HighStd	HIGH STD	07/22/25 15:24		MOHAN	OK
13	ChkStd	ChkStd	SAM	07/22/25 15:26		MOHAN	OK
14	PB168959BL	PB168959BL	MB	07/22/25 15:32		MOHAN	OK
15	PB168959BS	PB168959BS	LCS	07/22/25 15:37		MOHAN	OK
16	Q2638-02	OU4-TS-31-071725	SAM	07/22/25 15:39		MOHAN	OK
17	Q2638-04	OU4-TS-32-071725	SAM	07/22/25 15:42		MOHAN	OK
18	Q2638-06	OU4-TS-33-071725	SAM	07/22/25 15:44		MOHAN	OK

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB136570

Review By	MOHAN	Review On	7/23/2025 3:54:41 PM
Supervise By	jaswal	Supervise On	7/23/2025 3:56:59 PM
STD. NAME	STD REF.#		
ICAL Standard	MP86427,MP86428,MP86429,MP86430,MP86431,MP86432		
ICV Standard	MP86433		
CCV Standard	MP86435		
ICSA Standard			
CRI Standard	MP86437		
LCS Standard			
Chk Standard	MP86434,MP86436,MP8646538,MP86423		

19	Q2638-08	OU4-TS-34-071725	SAM	07/22/25 15:46		MOHAN	OK
20	Q2638-10	OU4-TS-35-071725	SAM	07/22/25 15:48		MOHAN	OK
21	CCV35	CCV35	CCV	07/22/25 15:54		MOHAN	OK
22	CCB35	CCB35	CCB	07/22/25 15:59		MOHAN	OK
23	Q2638-12	OU4-TS-36-071725	SAM	07/22/25 16:01		MOHAN	OK
24	Q2638-14	OU4-TS-37-071725	SAM	07/22/25 16:03		MOHAN	OK
25	Q2639-02	OU4-TS-38-071725	SAM	07/22/25 16:06		MOHAN	OK
26	Q2639-04	OU4-TS-39-071725	SAM	07/22/25 16:08		MOHAN	OK
27	Q2639-06	OU4-TS-40-071725	SAM	07/22/25 16:10		MOHAN	OK
28	Q2639-08	OU4-TS-41-071725	SAM	07/22/25 16:12		MOHAN	OK
29	Q2639-10	OU4-TS-42-071725	SAM	07/22/25 16:15		MOHAN	OK
30	Q2639-12	OU4-TS-43-071725	SAM	07/22/25 16:17		MOHAN	OK
31	Q2639-14	OU4-TS-44-071725	SAM	07/22/25 16:19		MOHAN	OK
32	Q2639-14DUP	OU4-TS-44-071725DUP	DUP	07/22/25 16:22		MOHAN	OK
33	CCV36	CCV36	CCV	07/22/25 16:28		MOHAN	OK
34	CCB36	CCB36	CCB	07/22/25 16:30		MOHAN	OK
35	Q2639-14MS	OU4-TS-44-071725MS	MS	07/22/25 16:32		MOHAN	OK
36	Q2639-14MSD	OU4-TS-44-071725MSD	MSD	07/22/25 16:35		MOHAN	OK
37	PB168960BL	PB168960BL	MB	07/22/25 16:37		MOHAN	OK
38	PB168960BS	PB168960BS	LCS	07/22/25 16:42		MOHAN	OK

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB136570

Review By	MOHAN	Review On	7/23/2025 3:54:41 PM
Supervise By	jaswal	Supervise On	7/23/2025 3:56:59 PM
STD. NAME	STD REF.#		
ICAL Standard	MP86427,MP86428,MP86429,MP86430,MP86431,MP86432		
ICV Standard	MP86433		
CCV Standard	MP86435		
ICSA Standard			
CRI Standard	MP86437		
LCS Standard			
Chk Standard	MP86434,MP86436,MP8646538,MP86423		

39	Q2641-02	P001-CONCRETE001	SAM	07/22/25 16:44		MOHAN	OK
40	Q2645-03	RW5B-CARBON-2025	SAM	07/22/25 16:46		MOHAN	OK
41	Q2646-03	FRAC TANK	SAM	07/22/25 16:49		MOHAN	OK
42	Q2649-04	WC-1	SAM	07/22/25 16:51		MOHAN	OK
43	Q2649-08	WC-2	SAM	07/22/25 16:53		MOHAN	OK
44	Q2649-12	WC-3	SAM	07/22/25 16:56		MOHAN	OK
45	CCV37	CCV37	CCV	07/22/25 16:58		MOHAN	OK
46	CCB37	CCB37	CCB	07/22/25 17:00		MOHAN	OK
47	Q2649-16	WC-4	SAM	07/22/25 17:02		MOHAN	OK
48	Q2649-20	WC-5	SAM	07/22/25 17:05		MOHAN	OK
49	Q2649-24	WC-6	SAM	07/22/25 17:07		MOHAN	OK
50	Q2649-24DUP	WC-6DUP	DUP	07/22/25 17:09		MOHAN	OK
51	Q2649-24MS	WC-6MS	MS	07/22/25 17:11		MOHAN	OK
52	Q2649-24MSD	WC-6MSD	MSD	07/22/25 17:14		MOHAN	OK
53	PB168961BL	PB168961BL	MB	07/22/25 17:21		MOHAN	OK
54	PB168961BS	PB168961BS	LCS	07/22/25 17:24		MOHAN	OK
55	Q2640-01	ELMORA-WATER	SAM	07/22/25 17:26		MOHAN	OK
56	Q2640-01DUP	ELMORA-WATERDUP	DUP	07/22/25 17:28		MOHAN	OK
57	CCV38	CCV38	CCV	07/22/25 17:31		MOHAN	OK
58	CCB38	CCB38	CCB	07/22/25 17:33		MOHAN	OK

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB136570

Review By	MOHAN	Review On	7/23/2025 3:54:41 PM
Supervise By	jaswal	Supervise On	7/23/2025 3:56:59 PM
STD. NAME	STD REF.#		
ICAL Standard	MP86427,MP86428,MP86429,MP86430,MP86431,MP86432		
ICV Standard	MP86433		
CCV Standard	MP86435		
ICSA Standard			
CRI Standard	MP86437		
LCS Standard			
Chk Standard	MP86434,MP86436,MP8646538,MP86423		

59	Q2640-01MS	ELMORA-WATERMS	MS	07/22/25 17:35		MOHAN	OK
60	Q2640-01MSD	ELMORA-WATERMS	MSD	07/22/25 17:37		MOHAN	OK
61	Q2646-01	FRAC TANK	SAM	07/22/25 17:40		MOHAN	OK
62	Q2655-03	71125	SAM	07/22/25 17:42	Hg high	MOHAN	Dilution
63	Q2655-04	71425	SAM	07/22/25 17:44		MOHAN	OK
64	Q2660-05	MOO-25-0220	SAM	07/22/25 17:48		MOHAN	OK
65	PB168959TB	PB168959TB	MB	07/22/25 17:53		MOHAN	OK
66	PB168919TB	PB168919TB	MB	07/22/25 17:55		MOHAN	OK
67	PB168926TB	PB168926TB	MB	07/22/25 17:57		MOHAN	OK
68	CCV39	CCV39	CCV	07/22/25 18:15		MOHAN	OK
69	CCB39	CCB39	CCB	07/22/25 18:20		MOHAN	OK
70	Q2639-14L	OU4-TS-44-071725L	SD	07/22/25 18:22		MOHAN	OK
71	Q2639-14A	OU4-TS-44-071725A	PS	07/22/25 18:24		MOHAN	OK
72	Q2649-24L	WC-6L	SD	07/22/25 18:27		MOHAN	OK
73	Q2649-24A	WC-6A	PS	07/22/25 18:29		MOHAN	OK
74	Q2640-01L	ELMORA-WATERL	SD	07/22/25 18:31		MOHAN	OK
75	Q2640-01A	ELMORA-WATERA	PS	07/22/25 18:33		MOHAN	OK
76	Q2655-03DL	71125DL	SAM	07/22/25 18:48	10X for Hg	MOHAN	Confirms
77	CCV40	CCV40	CCV	07/22/25 18:56		MOHAN	OK
78	CCB40	CCB40	CCB	07/22/25 18:58		MOHAN	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB136571

Review By	Janvi	Review On	7/23/2025 3:54:08 PM
Supervise By	jaswal	Supervise On	7/23/2025 3:53:24 PM
STD. NAME	STD REF.#		
ICAL Standard	MP86452,MP86453,MP86454,MP86455,MP86456,MP86458		
ICV Standard	MP86494		
CCV Standard	MP86462		
ICSA Standard	MP86460,MP86495		
CRI Standard	MP86458		
LCS Standard			
Chk Standard	MP86463,MP86464		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	07/22/25 11:11		Jaswal	OK
2	S1	S1	CAL2	07/22/25 11:16		Jaswal	OK
3	S2	S2	CAL3	07/22/25 11:20		Jaswal	OK
4	S3	S3	CAL4	07/22/25 11:24		Jaswal	OK
5	S4	S4	CAL5	07/22/25 11:28		Jaswal	OK
6	S5	S5	CAL6	07/22/25 11:33		Jaswal	OK
7	ICV01	ICV01	ICV	07/22/25 12:03		Jaswal	OK
8	LLICV01	LLICV01	LLICV	07/22/25 12:10		Jaswal	OK
9	ICB01	ICB01	ICB	07/22/25 12:27		Jaswal	OK
10	CRI01	CRI01	CRDL	07/22/25 12:32		Jaswal	OK
11	ICSA01	ICSA01	ICSA	07/22/25 12:37		Jaswal	OK
12	ICSAB01	ICSAB01	ICSAB	07/22/25 12:48		Jaswal	OK
13	ICSADL	ICSADL	ICSA	07/22/25 12:52		Jaswal	OK
14	ICSABDL	ICSABDL	ICSAB	07/22/25 12:56		Jaswal	OK
15	CCV01	CCV01	CCV	07/22/25 13:00		Jaswal	OK
16	CCB01	CCB01	CCB	07/22/25 13:05		Jaswal	OK
17	Q2640-01	ELMORA-WATER	SAM	07/22/25 13:11		Jaswal	OK
18	Q2641-02	P001-CONCRETE001	SAM	07/22/25 13:15		Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB136571

Review By	Janvi	Review On	7/23/2025 3:54:08 PM
Supervise By	jaswal	Supervise On	7/23/2025 3:53:24 PM
STD. NAME	STD REF.#		
ICAL Standard	MP86452,MP86453,MP86454,MP86455,MP86456,MP86458		
ICV Standard	MP86494		
CCV Standard	MP86462		
ICSA Standard	MP86460,MP86495		
CRI Standard	MP86458		
LCS Standard			
Chk Standard	MP86463,MP86464		

19	Q2645-03	RW5B-CARBON-2024	SAM	07/22/25 13:20		Jaswal	OK
20	Q2649-04	WC-1	SAM	07/22/25 13:24		Jaswal	OK
21	Q2649-08	WC-2	SAM	07/22/25 13:29		Jaswal	OK
22	Q2649-12	WC-3	SAM	07/22/25 13:33		Jaswal	OK
23	Q2649-16	WC-4	SAM	07/22/25 13:38		Jaswal	OK
24	Q2649-20	WC-5	SAM	07/22/25 13:42	Confirm TCLP (Ba,Zn)	Jaswal	Not Ok
25	Q2646-03	FRAC TANK	SAM	07/22/25 13:46		Jaswal	OK
26	Q2649-24	WC-6	SAM	07/22/25 13:51		Jaswal	OK
27	CCV02	CCV02	CCV	07/22/25 14:05		Jaswal	OK
28	CCB02	CCB02	CCB	07/22/25 14:09		Jaswal	OK
29	Q2649-24DUP	WC-6DUP	DUP	07/22/25 14:25		Jaswal	OK
30	Q2649-24L	WC-6L	SD	07/22/25 14:30		Jaswal	OK
31	Q2649-24MS	WC-6MS	MS	07/22/25 14:34		Jaswal	OK
32	Q2649-24MSD	WC-6MSD	MSD	07/22/25 14:38		Jaswal	OK
33	Q2649-24A	WC-6A	PS	07/22/25 14:42	0.1ml of M6004,M6013 in 10ml sample	Jaswal	OK
34	PB168919TB	PB168919TB	MB	07/22/25 14:47		Jaswal	OK
35	PB168941BL	PB168941BL	MB	07/22/25 14:56		Jaswal	OK
36	PB168941BS	PB168941BS	LCS	07/22/25 15:01		Jaswal	OK
37	PB168932BL	PB168932BL	MB	07/22/25 15:05		Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB136571

Review By	Janvi	Review On	7/23/2025 3:54:08 PM
Supervise By	jaswal	Supervise On	7/23/2025 3:53:24 PM
STD. NAME	STD REF.#		
ICAL Standard	MP86452,MP86453,MP86454,MP86455,MP86456,MP86458		
ICV Standard	MP86494		
CCV Standard	MP86462		
ICSA Standard	MP86460,MP86495		
CRI Standard	MP86458		
LCS Standard			
Chk Standard	MP86463,MP86464		

38	PB168932BS	PB168932BS	LCS	07/22/25 15:15		Jaswal	OK
39	CCV03	CCV03	CCV	07/22/25 15:20		Jaswal	OK
40	CCB03	CCB03	CCB	07/22/25 15:26		Jaswal	OK
41	Q2633-02	FIBER-GLASS-TANK	SAM	07/22/25 15:31		Jaswal	OK
42	Q2644-01	RW8-SP100-2025071	SAM	07/22/25 15:36		Jaswal	OK
43	Q2644-02	RW8-SP303-2025071	SAM	07/22/25 15:40		Jaswal	OK
44	Q2644-02DUP	RW8-SP303-2025071	DUP	07/22/25 15:44		Jaswal	OK
45	Q2644-02L	RW8-SP303-2025071	SD	07/22/25 15:48		Jaswal	OK
46	Q2644-02MS	RW8-SP303-2025071	MS	07/22/25 15:53		Jaswal	OK
47	Q2644-02MSD	RW8-SP303-2025071	MSD	07/22/25 15:57		Jaswal	OK
48	Q2644-02A	RW8-SP303-2025071	PS	07/22/25 16:01	0.1ml of M6004,M6013 in 10ml sample	Jaswal	OK
49	Q2646-01	FRAC TANK	SAM	07/22/25 16:05		Jaswal	OK
50	PB168926TB	PB168926TB	MB	07/22/25 16:09		Jaswal	OK
51	CCV04	CCV04	CCV	07/22/25 16:13		Jaswal	OK
52	CCB04	CCB04	CCB	07/22/25 16:17		Jaswal	OK
53	PB168933BL	PB168933BL	MB	07/22/25 16:22		Jaswal	OK
54	Q2649-01	WC-1	SAM	07/22/25 16:36		Jaswal	OK
55	Q2649-05	WC-2	SAM	07/22/25 16:40		Jaswal	OK
56	Q2649-09	WC-3	SAM	07/22/25 16:45		Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB136571

Review By	Janvi	Review On	7/23/2025 3:54:08 PM
Supervise By	jaswal	Supervise On	7/23/2025 3:53:24 PM
STD. NAME	STD REF.#		
ICAL Standard	MP86452,MP86453,MP86454,MP86455,MP86456,MP86458		
ICV Standard	MP86494		
CCV Standard	MP86462		
ICSA Standard	MP86460,MP86495		
CRI Standard	MP86458		
LCS Standard			
Chk Standard	MP86463,MP86464		

57	PB168933BS	PB168933BS	LCS	07/22/25 16:49		Jaswal	OK
58	Q2649-13	WC-4	SAM	07/22/25 16:53		Jaswal	OK
59	Q2649-17	WC-5	SAM	07/22/25 16:57		Jaswal	OK
60	Q2649-17DUP	WC-5DUP	DUP	07/22/25 17:01		Jaswal	OK
61	Q2649-17L	WC-5L	SD	07/22/25 17:06		Jaswal	OK
62	Q2649-17MS	WC-5MS	MS	07/22/25 17:10	MS/MSD, DUP RPD fail for 50% parameters	Jaswal	OK
63	CCV05	CCV05	CCV	07/22/25 17:14		Jaswal	OK
64	CCB05	CCB05	CCB	07/22/25 17:18		Jaswal	OK
65	Q2649-17MSD	WC-5MSD	MSD	07/22/25 17:22	MS/MSD, DUP RPD fail for 50% parameters	Jaswal	OK
66	Q2649-17A	WC-5A	PS	07/22/25 17:26	0.1ml of M6004,M6013 in 10ml sample.	Jaswal	OK
67	Q2649-21	WC-6	SAM	07/22/25 17:30	Ag oversaturated	Jaswal	Dilution
68	Q2658-01	PAD-072125-1	SAM	07/22/25 17:35		Jaswal	OK
69	Q2658-02	PAD-072125-2	SAM	07/22/25 17:39		Jaswal	OK
70	PB168951BL	PB168951BL	MB	07/22/25 17:43		Jaswal	OK
71	PB168951BS	PB168951BS	LCS	07/22/25 17:48		Jaswal	OK
72	Q2639-01	OU4-TS-38-071725	SAM	07/22/25 17:52		Jaswal	OK
73	Q2639-03	OU4-TS-39-071725	SAM	07/22/25 17:56		Jaswal	OK
74	Q2639-05	OU4-TS-40-071725	SAM	07/22/25 18:00		Jaswal	OK
75	CCV06	CCV06	CCV	07/22/25 18:05		Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB136571

Review By	Janvi	Review On	7/23/2025 3:54:08 PM
Supervise By	jaswal	Supervise On	7/23/2025 3:53:24 PM
STD. NAME	STD REF.#		
ICAL Standard	MP86452,MP86453,MP86454,MP86455,MP86456,MP86458		
ICV Standard	MP86494		
CCV Standard	MP86462		
ICSA Standard	MP86460,MP86495		
CRI Standard	MP86458		
LCS Standard			
Chk Standard	MP86463,MP86464		

76	CCB06	CCB06	CCB	07/22/25 18:09		Jaswal	OK
77	Q2639-07	OU4-TS-41-071725	SAM	07/22/25 18:13		Jaswal	OK
78	Q2639-09	OU4-TS-42-071725	SAM	07/22/25 18:17	Confirm result	Jaswal	Not Ok
79	Q2639-11	OU4-TS-43-071725	SAM	07/22/25 18:22		Jaswal	OK
80	Q2639-13	OU4-TS-44-071725	SAM	07/22/25 18:26		Jaswal	OK
81	Q2651-01	MH 2-1	SAM	07/22/25 18:30		Jaswal	OK
82	Q2651-01DUP	MH 2-1DUP	DUP	07/22/25 18:34		Jaswal	OK
83	Q2651-01L	MH 2-1L	SD	07/22/25 18:38		Jaswal	OK
84	Q2651-01MS	MH 2-1MS	MS	07/22/25 18:42		Jaswal	OK
85	Q2651-01MSD	MH 2-1MSD	MSD	07/22/25 18:46		Jaswal	OK
86	Q2651-01A	MH 2-1A	PS	07/22/25 18:50	0.1ml of M0.1ml of M6004,M6013 in 10ml sample.	Jaswal	OK
87	CCV07	CCV07	CCV	07/22/25 18:54		Jaswal	OK
88	CCB07	CCB07	CCB	07/22/25 18:58		Jaswal	OK
89	Q2651-02	MH 6-5	SAM	07/22/25 19:03		Jaswal	OK
90	Q2651-03	MH 7-6	SAM	07/22/25 19:07		Jaswal	OK
91	Q2651-04	MH 8-7	SAM	07/22/25 19:11		Jaswal	OK
92	Q2651-05	MH 9-8	SAM	07/22/25 19:15		Jaswal	OK
93	CCV08	CCV08	CCV	07/22/25 19:19		Jaswal	OK
94	CCB08	CCB08	CCB	07/22/25 19:23		Jaswal	OK

SOP ID : M3010A-Digestion-17

SDG No : N/A

Matrix : WATER

Pipette 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: 07/21/2025 Time : 09:55 Temp : 96 °C

End Digest Date: 07/21/2025 Time : 12:56 Temp : 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: *[Signature]*

Supervisor Signature: *[Signature]*

Temp : 1. 96°C 2. N/A

Standard 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
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
07/21/25 13:56	<i>[Signature]</i> S/K-Met Lab	<i>[Signature]</i> Met Lab
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	pH	Initial Vol (ml)	Final Vol (ml)	Color Before	Color After	Clarity Before	Clarity After	Comment	Prep Pos
PB168932BL	PBW932	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	1
PB168932BS	LCS932	<2	50	25	Colorless	Colorless	Clear	Clear	M6007,M6015	2
Q2633-02	FIBER-GLASS-TANK	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	3
Q2640-01	ELMORA-WATER	<2	50	25	Brown	Colorless	Cloudy	Clear	N/A	4
Q2644-01	RW8-SP100-20250717	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	5
Q2644-02	RW8-SP303-20250717	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	6
Q2644-02MS	RW8-SP303-20250717MS	<2	50	25	Colorless	Colorless	Clear	Clear	M6007,M6015	8
Q2644-02MSD	RW8-SP303-20250717MSD	<2	50	25	Colorless	Colorless	Clear	Clear	M6007,M6015	9
Q2644-02DUP	RW8-SP303-20250717DUP	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	7
Q2646-01	FRAC TANK	<2	2	25	Brown	Colorless	Clear	Clear	N/A	10

SOP ID : M7470A-Mercury-20

SDG No : N/A

Matrix : WATER

Pipette 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: 07/21/2025 Time : 14:15 Temp : 95 °C

End Digest Date: 07/21/2025 Time : 16:15 Temp : 95 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature: *[Signature]*

Supervisor Signature: *[Signature]*

Temp : 1. 95°C 2. N/A

Standardized Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP86433
CCV	30mL	MP86435
CRA	30mL	MP86437
Blank Spike	0.48mL	MP86425
Matrix Spike	0.48mL	MP86425

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
N/A	N/A	N/A

LAB SAMPLE ID	CLIENT SAMPLE ID	Wt(g)/Vol(ml)	Comment
0.0 ppb	S0	30mL	MP86426
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP86428
2.5 ppb	S2.5	30mL	MP86429
5.0 ppb	S5.0	30mL	MP86430
7.5 ppb	S7.5	30mL	MP86431
10.0 ppb	S10.0	30mL	MP86432
ICV	ICV	30mL	MP86433
ICB	ICB	30mL	MP86434
CCV	CCV	30mL	MP86435
CCB	CCB	30mL	MP86436
CRI	CRI	30mL	MP86437
CHK STD	CHK STD	30mL	MP86438

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
7/21/25 14:15	<i>[Signature]</i>	<i>[Signature]</i>
17:10	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Comment	Prep Pos
PB168961BL	PBW961	30	30	<2	N/A	3-39
PB168961BS	LCS961	30	30	<2	MP86425	40
Q2640-01DUP	ELMORA-WATERDUP	30	30	<2	N/A	42
Q2640-01MS	ELMORA-WATERMS	30	30	<2	MP86425	43
Q2640-01MSD	ELMORA-WATERMSD	30	30	<2	MP86425	44
Q2640-01	ELMORA-WATER	30	30	<2	N/A	41
Q2646-01	FRAC TANK	30	30	<2	N/A	45
Q2655-03	71125	30	30	<2	N/A	46
Q2655-04	71425	30	30	<2	N/A	47
Q2660-05	MOO-25-0220	30	30	<2	N/A	48