

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Earth Engineering Inc. **SDG No.:** Q2392
Contract: EARTH03 **Lab Code:** CHEM **Case No.:** Q2392 **SAS No.:** Q2392
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
ICV06	Mercury	3.93	4.0	98	90 - 110	CV	06/26/2025	10:05	LB136362

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Earth Engineering Inc. **SDG No.:** Q2392
Contract: EARTH03 **Lab Code:** CHEM **Case No.:** Q2392 **SAS No.:** Q2392
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
CCV16	Mercury	5.16	5.0	103	90 - 110	CV	06/26/2025	10:09	LB136362
CCV17	Mercury	5.46	5.0	109	90 - 110	CV	06/26/2025	10:37	LB136362
CCV18	Mercury	5.19	5.0	104	90 - 110	CV	06/26/2025	11:07	LB136362
CCV19	Mercury	4.98	5.0	100	90 - 110	CV	06/26/2025	11:27	LB136362

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Earth Engineering Inc. **SDG No.:** Q2392

Contract: EARTH03 **Lab Code:** CHEM **Case No.:** Q2392 **SAS No.:** Q2392

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	8070	8000	101	95 - 105	P	06/25/2025	13:08	LB136273
	Antimony	4210	4000	105	95 - 105	P	06/25/2025	13:08	LB136273
	Arsenic	3960	4000	99	95 - 105	P	06/25/2025	13:08	LB136273
	Barium	8170	8000	102	95 - 105	P	06/25/2025	13:08	LB136273
	Beryllium	207	200	104	95 - 105	P	06/25/2025	13:08	LB136273
	Cadmium	2020	2000	101	95 - 105	P	06/25/2025	13:08	LB136273
	Calcium	20100	20000	101	95 - 105	P	06/25/2025	13:08	LB136273
	Chromium	831	800	104	95 - 105	P	06/25/2025	13:08	LB136273
	Cobalt	2050	2000	102	95 - 105	P	06/25/2025	13:08	LB136273
	Copper	1060	1000	106	95 - 105	P	06/25/2025	13:08	LB136273
	Iron	4100	4000	103	95 - 105	P	06/25/2025	13:08	LB136273
	Lead	3990	4000	100	95 - 105	P	06/25/2025	13:08	LB136273
	Magnesium	20300	20000	102	95 - 105	P	06/25/2025	13:08	LB136273
	Manganese	2030	2000	101	95 - 105	P	06/25/2025	13:08	LB136273
	Nickel	2040	2000	102	95 - 105	P	06/25/2025	13:08	LB136273
	Potassium	19500	20000	98	95 - 105	P	06/25/2025	13:08	LB136273
	Selenium	4090	4000	102	95 - 105	P	06/25/2025	13:08	LB136273
	Silver	1020	1000	102	95 - 105	P	06/25/2025	13:08	LB136273
	Sodium	20100	20000	100	95 - 105	P	06/25/2025	13:08	LB136273
	Thallium	3950	4000	99	95 - 105	P	06/25/2025	13:08	LB136273
	Vanadium	2040	2000	102	95 - 105	P	06/25/2025	13:08	LB136273
	Zinc	2060	2000	103	95 - 105	P	06/25/2025	13:08	LB136273

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Earth Engineering Inc. SDG No.: Q2392
Contract: EARTH03 Lab Code: CHEM Case No.: Q2392 SAS No.: Q2392
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	99.0	100	99	80 - 120	P	06/25/2025	13:20	LB136273
	Antimony	55.5	50.0	111	80 - 120	P	06/25/2025	13:20	LB136273
	Arsenic	20.3	20.0	102	80 - 120	P	06/25/2025	13:20	LB136273
	Barium	106	100	106	80 - 120	P	06/25/2025	13:20	LB136273
	Beryllium	6.62	6.0	110	80 - 120	P	06/25/2025	13:20	LB136273
	Cadmium	5.93	6.0	99	80 - 120	P	06/25/2025	13:20	LB136273
	Calcium	2100	2000	105	80 - 120	P	06/25/2025	13:20	LB136273
	Chromium	10.1	10.0	101	80 - 120	P	06/25/2025	13:20	LB136273
	Cobalt	31.1	30.0	104	80 - 120	P	06/25/2025	13:20	LB136273
	Copper	22.0	20.0	110	80 - 120	P	06/25/2025	13:20	LB136273
	Iron	92.0	100	92	80 - 120	P	06/25/2025	13:20	LB136273
	Lead	13.2	12.0	110	80 - 120	P	06/25/2025	13:20	LB136273
	Magnesium	2340	2000	117	80 - 120	P	06/25/2025	13:20	LB136273
	Manganese	24.0	20.0	120	80 - 120	P	06/25/2025	13:20	LB136273
	Nickel	41.4	40.0	103	80 - 120	P	06/25/2025	13:20	LB136273
	Potassium	1700	2000	85	80 - 120	P	06/25/2025	13:20	LB136273
	Selenium	22.8	20.0	114	80 - 120	P	06/25/2025	13:20	LB136273
	Silver	10.6	10.0	106	80 - 120	P	06/25/2025	13:20	LB136273
	Sodium	1920	2000	96	80 - 120	P	06/25/2025	13:20	LB136273
	Thallium	41.7	40.0	104	80 - 120	P	06/25/2025	13:20	LB136273
	Vanadium	36.5	40.0	91	80 - 120	P	06/25/2025	13:20	LB136273
	Zinc	42.1	40.0	105	80 - 120	P	06/25/2025	13:20	LB136273

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Earth Engineering Inc. SDG No.: Q2392
Contract: EARTH03 Lab Code: CHEM Case No.: Q2392 SAS No.: Q2392
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	Aluminum	10100	10000	101	90 - 110	P	06/25/2025	16:04	LB136273
	Antimony	5110	5000	102	90 - 110	P	06/25/2025	16:04	LB136273
	Arsenic	5030	5000	101	90 - 110	P	06/25/2025	16:04	LB136273
	Barium	10100	10000	102	90 - 110	P	06/25/2025	16:04	LB136273
	Beryllium	266	250	106	90 - 110	P	06/25/2025	16:04	LB136273
	Cadmium	2530	2500	101	90 - 110	P	06/25/2025	16:04	LB136273
	Calcium	25500	25000	102	90 - 110	P	06/25/2025	16:04	LB136273
	Chromium	1040	1000	104	90 - 110	P	06/25/2025	16:04	LB136273
	Cobalt	2530	2500	101	90 - 110	P	06/25/2025	16:04	LB136273
	Copper	1310	1250	105	90 - 110	P	06/25/2025	16:04	LB136273
	Iron	5120	5000	102	90 - 110	P	06/25/2025	16:04	LB136273
	Lead	5060	5000	101	90 - 110	P	06/25/2025	16:04	LB136273
	Magnesium	25400	25000	102	90 - 110	P	06/25/2025	16:04	LB136273
	Manganese	2560	2500	102	90 - 110	P	06/25/2025	16:04	LB136273
	Nickel	2520	2500	101	90 - 110	P	06/25/2025	16:04	LB136273
	Potassium	25600	25000	102	90 - 110	P	06/25/2025	16:04	LB136273
	Selenium	5090	5000	102	90 - 110	P	06/25/2025	16:04	LB136273
	Silver	1280	1250	102	90 - 110	P	06/25/2025	16:04	LB136273
	Sodium	25600	25000	102	90 - 110	P	06/25/2025	16:04	LB136273
	Thallium	5070	5000	101	90 - 110	P	06/25/2025	16:04	LB136273
	Vanadium	2560	2500	102	90 - 110	P	06/25/2025	16:04	LB136273
	Zinc	2560	2500	102	90 - 110	P	06/25/2025	16:04	LB136273
CCV02	Aluminum	10200	10000	102	90 - 110	P	06/25/2025	16:57	LB136273
	Antimony	5100	5000	102	90 - 110	P	06/25/2025	16:57	LB136273
	Arsenic	5030	5000	100	90 - 110	P	06/25/2025	16:57	LB136273
	Barium	10200	10000	102	90 - 110	P	06/25/2025	16:57	LB136273
	Beryllium	267	250	107	90 - 110	P	06/25/2025	16:57	LB136273
	Cadmium	2530	2500	101	90 - 110	P	06/25/2025	16:57	LB136273
	Calcium	25600	25000	102	90 - 110	P	06/25/2025	16:57	LB136273
	Chromium	1040	1000	104	90 - 110	P	06/25/2025	16:57	LB136273
	Cobalt	2530	2500	101	90 - 110	P	06/25/2025	16:57	LB136273
	Copper	1320	1250	106	90 - 110	P	06/25/2025	16:57	LB136273
	Iron	5120	5000	102	90 - 110	P	06/25/2025	16:57	LB136273
	Lead	5050	5000	101	90 - 110	P	06/25/2025	16:57	LB136273

Metals

- 2a -

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Contract: EARTH03 **Lab Code:** CHEM **Case No.:** Q2392 **SAS No.:** Q2392

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
CCV02	Magnesium	25500	25000	102	90 - 110	P	06/25/2025	16:57	LB136273
	Manganese	2570	2500	103	90 - 110	P	06/25/2025	16:57	LB136273
	Nickel	2510	2500	100	90 - 110	P	06/25/2025	16:57	LB136273
	Potassium	25600	25000	102	90 - 110	P	06/25/2025	16:57	LB136273
	Selenium	5090	5000	102	90 - 110	P	06/25/2025	16:57	LB136273
	Silver	1290	1250	103	90 - 110	P	06/25/2025	16:57	LB136273
	Sodium	25700	25000	103	90 - 110	P	06/25/2025	16:57	LB136273
	Thallium	5050	5000	101	90 - 110	P	06/25/2025	16:57	LB136273
	Vanadium	2560	2500	102	90 - 110	P	06/25/2025	16:57	LB136273
	Zinc	2560	2500	102	90 - 110	P	06/25/2025	16:57	LB136273
CCV03	Aluminum	10200	10000	102	90 - 110	P	06/25/2025	18:00	LB136273
	Antimony	5150	5000	103	90 - 110	P	06/25/2025	18:00	LB136273
	Arsenic	5110	5000	102	90 - 110	P	06/25/2025	18:00	LB136273
	Barium	10200	10000	102	90 - 110	P	06/25/2025	18:00	LB136273
	Beryllium	258	250	103	90 - 110	P	06/25/2025	18:00	LB136273
	Cadmium	2550	2500	102	90 - 110	P	06/25/2025	18:00	LB136273
	Calcium	25700	25000	103	90 - 110	P	06/25/2025	18:00	LB136273
	Chromium	1040	1000	104	90 - 110	P	06/25/2025	18:00	LB136273
	Cobalt	2530	2500	101	90 - 110	P	06/25/2025	18:00	LB136273
	Copper	1270	1250	102	90 - 110	P	06/25/2025	18:00	LB136273
	Iron	5130	5000	103	90 - 110	P	06/25/2025	18:00	LB136273
	Lead	5070	5000	101	90 - 110	P	06/25/2025	18:00	LB136273
	Magnesium	25600	25000	103	90 - 110	P	06/25/2025	18:00	LB136273
	Manganese	2560	2500	102	90 - 110	P	06/25/2025	18:00	LB136273
	Nickel	2520	2500	101	90 - 110	P	06/25/2025	18:00	LB136273
	Potassium	26900	25000	108	90 - 110	P	06/25/2025	18:00	LB136273
	Selenium	5180	5000	104	90 - 110	P	06/25/2025	18:00	LB136273
	Silver	1300	1250	104	90 - 110	P	06/25/2025	18:00	LB136273
	Sodium	25500	25000	102	90 - 110	P	06/25/2025	18:00	LB136273
	Thallium	5070	5000	101	90 - 110	P	06/25/2025	18:00	LB136273
	Vanadium	2570	2500	103	90 - 110	P	06/25/2025	18:00	LB136273
	Zinc	2600	2500	104	90 - 110	P	06/25/2025	18:00	LB136273
CCV04	Aluminum	10200	10000	102	90 - 110	P	06/25/2025	18:55	LB136273
	Antimony	5090	5000	102	90 - 110	P	06/25/2025	18:55	LB136273

Metals

- 2a -

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Client: Earth Engineering Inc. SDG No.: Q2392
Contract: EARTH03 Lab Code: CHEM Case No.: Q2392 SAS No.: Q2392
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
CCV04	Arsenic	5010	5000	100	90 - 110	P	06/25/2025	18:55	LB136273
	Barium	10200	10000	102	90 - 110	P	06/25/2025	18:55	LB136273
	Beryllium	269	250	108	90 - 110	P	06/25/2025	18:55	LB136273
	Cadmium	2530	2500	101	90 - 110	P	06/25/2025	18:55	LB136273
	Calcium	25600	25000	102	90 - 110	P	06/25/2025	18:55	LB136273
	Chromium	1040	1000	104	90 - 110	P	06/25/2025	18:55	LB136273
	Cobalt	2520	2500	101	90 - 110	P	06/25/2025	18:55	LB136273
	Copper	1330	1250	106	90 - 110	P	06/25/2025	18:55	LB136273
	Iron	5150	5000	103	90 - 110	P	06/25/2025	18:55	LB136273
	Lead	5030	5000	101	90 - 110	P	06/25/2025	18:55	LB136273
	Magnesium	25600	25000	102	90 - 110	P	06/25/2025	18:55	LB136273
	Manganese	2550	2500	102	90 - 110	P	06/25/2025	18:55	LB136273
	Nickel	2510	2500	100	90 - 110	P	06/25/2025	18:55	LB136273
	Potassium	25600	25000	102	90 - 110	P	06/25/2025	18:55	LB136273
	Selenium	5060	5000	101	90 - 110	P	06/25/2025	18:55	LB136273
	Silver	1280	1250	103	90 - 110	P	06/25/2025	18:55	LB136273
	Sodium	25900	25000	104	90 - 110	P	06/25/2025	18:55	LB136273
	Thallium	5020	5000	100	90 - 110	P	06/25/2025	18:55	LB136273
	Vanadium	2550	2500	102	90 - 110	P	06/25/2025	18:55	LB136273
	Zinc	2560	2500	102	90 - 110	P	06/25/2025	18:55	LB136273
CCV05	Aluminum	10300	10000	103	90 - 110	P	06/25/2025	19:52	LB136273
	Antimony	5150	5000	103	90 - 110	P	06/25/2025	19:52	LB136273
	Arsenic	5070	5000	101	90 - 110	P	06/25/2025	19:52	LB136273
	Barium	10300	10000	103	90 - 110	P	06/25/2025	19:52	LB136273
	Beryllium	271	250	108	90 - 110	P	06/25/2025	19:52	LB136273
	Cadmium	2550	2500	102	90 - 110	P	06/25/2025	19:52	LB136273
	Calcium	25800	25000	103	90 - 110	P	06/25/2025	19:52	LB136273
	Chromium	1050	1000	105	90 - 110	P	06/25/2025	19:52	LB136273
	Cobalt	2540	2500	102	90 - 110	P	06/25/2025	19:52	LB136273
	Copper	1340	1250	107	90 - 110	P	06/25/2025	19:52	LB136273
	Iron	5120	5000	102	90 - 110	P	06/25/2025	19:52	LB136273
	Lead	5080	5000	102	90 - 110	P	06/25/2025	19:52	LB136273
	Magnesium	25600	25000	102	90 - 110	P	06/25/2025	19:52	LB136273
	Manganese	2560	2500	102	90 - 110	P	06/25/2025	19:52	LB136273

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Earth Engineering Inc. **SDG No.:** Q2392

Contract: EARTH03 **Lab Code:** CHEM **Case No.:** Q2392 **SAS No.:** Q2392

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	Nickel	2530	2500	101	90 - 110	P	06/25/2025	19:52	LB136273
	Potassium	25600	25000	102	90 - 110	P	06/25/2025	19:52	LB136273
	Selenium	5120	5000	102	90 - 110	P	06/25/2025	19:52	LB136273
	Silver	1290	1250	103	90 - 110	P	06/25/2025	19:52	LB136273
	Sodium	26100	25000	104	90 - 110	P	06/25/2025	19:52	LB136273
	Thallium	5060	5000	101	90 - 110	P	06/25/2025	19:52	LB136273
	Vanadium	2570	2500	103	90 - 110	P	06/25/2025	19:52	LB136273
	Zinc	2570	2500	103	90 - 110	P	06/25/2025	19:52	LB136273
CCV06	Aluminum	10200	10000	102	90 - 110	P	06/25/2025	20:46	LB136273
	Antimony	5170	5000	103	90 - 110	P	06/25/2025	20:46	LB136273
	Arsenic	5080	5000	102	90 - 110	P	06/25/2025	20:46	LB136273
	Barium	10200	10000	102	90 - 110	P	06/25/2025	20:46	LB136273
	Beryllium	267	250	107	90 - 110	P	06/25/2025	20:46	LB136273
	Cadmium	2550	2500	102	90 - 110	P	06/25/2025	20:46	LB136273
	Calcium	25400	25000	102	90 - 110	P	06/25/2025	20:46	LB136273
	Chromium	1030	1000	103	90 - 110	P	06/25/2025	20:46	LB136273
	Cobalt	2550	2500	102	90 - 110	P	06/25/2025	20:46	LB136273
	Copper	1330	1250	106	90 - 110	P	06/25/2025	20:46	LB136273
	Iron	5040	5000	101	90 - 110	P	06/25/2025	20:46	LB136273
	Lead	5100	5000	102	90 - 110	P	06/25/2025	20:46	LB136273
	Magnesium	25200	25000	101	90 - 110	P	06/25/2025	20:46	LB136273
	Manganese	2510	2500	100	90 - 110	P	06/25/2025	20:46	LB136273
	Nickel	2550	2500	102	90 - 110	P	06/25/2025	20:46	LB136273
	Potassium	25200	25000	101	90 - 110	P	06/25/2025	20:46	LB136273
	Selenium	5160	5000	103	90 - 110	P	06/25/2025	20:46	LB136273
	Silver	1270	1250	102	90 - 110	P	06/25/2025	20:46	LB136273
	Sodium	25600	25000	103	90 - 110	P	06/25/2025	20:46	LB136273
	Thallium	5110	5000	102	90 - 110	P	06/25/2025	20:46	LB136273
	Vanadium	2540	2500	102	90 - 110	P	06/25/2025	20:46	LB136273
	Zinc	2570	2500	103	90 - 110	P	06/25/2025	20:46	LB136273
CCV07	Aluminum	10100	10000	101	90 - 110	P	06/25/2025	21:12	LB136273
	Antimony	5120	5000	102	90 - 110	P	06/25/2025	21:12	LB136273
	Arsenic	5040	5000	101	90 - 110	P	06/25/2025	21:12	LB136273
	Barium	10100	10000	102	90 - 110	P	06/25/2025	21:12	LB136273

Metals

- 2a -

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Client: Earth Engineering Inc. SDG No.: Q2392
Contract: EARTH03 Lab Code: CHEM Case No.: Q2392 SAS No.: Q2392
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
CCV07	Beryllium	259	250	104	90 - 110	P	06/25/2025	21:12	LB136273
	Cadmium	2540	2500	101	90 - 110	P	06/25/2025	21:12	LB136273
	Calcium	25000	25000	100	90 - 110	P	06/25/2025	21:12	LB136273
	Chromium	1020	1000	102	90 - 110	P	06/25/2025	21:12	LB136273
	Cobalt	2530	2500	101	90 - 110	P	06/25/2025	21:12	LB136273
	Copper	1290	1250	103	90 - 110	P	06/25/2025	21:12	LB136273
	Iron	5050	5000	101	90 - 110	P	06/25/2025	21:12	LB136273
	Lead	5060	5000	101	90 - 110	P	06/25/2025	21:12	LB136273
	Magnesium	24800	25000	99	90 - 110	P	06/25/2025	21:12	LB136273
	Manganese	2480	2500	99	90 - 110	P	06/25/2025	21:12	LB136273
	Nickel	2540	2500	102	90 - 110	P	06/25/2025	21:12	LB136273
	Potassium	24900	25000	100	90 - 110	P	06/25/2025	21:12	LB136273
	Selenium	5120	5000	102	90 - 110	P	06/25/2025	21:12	LB136273
	Silver	1250	1250	100	90 - 110	P	06/25/2025	21:12	LB136273
	Sodium	25200	25000	101	90 - 110	P	06/25/2025	21:12	LB136273
	Thallium	5080	5000	102	90 - 110	P	06/25/2025	21:12	LB136273
	Vanadium	2520	2500	101	90 - 110	P	06/25/2025	21:12	LB136273
	Zinc	2560	2500	102	90 - 110	P	06/25/2025	21:12	LB136273

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- 2a -

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Contract: EARTH03 **Lab Code:** CHEM **Case No.:** Q2392 **SAS No.:** Q2392

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	7840	8000	98	95 - 105	P	06/27/2025	11:45	LB136319
	Antimony	4280	4000	107	95 - 105	P	06/27/2025	11:45	LB136319
	Arsenic	3910	4000	98	95 - 105	P	06/27/2025	11:45	LB136319
	Barium	8020	8000	100	95 - 105	P	06/27/2025	11:45	LB136319
	Beryllium	204	200	102	95 - 105	P	06/27/2025	11:45	LB136319
	Cadmium	1990	2000	100	95 - 105	P	06/27/2025	11:45	LB136319
	Calcium	19600	20000	98	95 - 105	P	06/27/2025	11:45	LB136319
	Chromium	757	800	95	95 - 105	P	06/27/2025	11:45	LB136319
	Cobalt	1970	2000	99	95 - 105	P	06/27/2025	11:45	LB136319
	Copper	1040	1000	104	95 - 105	P	06/27/2025	11:45	LB136319
	Iron	3850	4000	96	95 - 105	P	06/27/2025	11:45	LB136319
	Lead	3950	4000	99	95 - 105	P	06/27/2025	11:45	LB136319
	Magnesium	20200	20000	101	95 - 105	P	06/27/2025	11:45	LB136319
	Manganese	1990	2000	100	95 - 105	P	06/27/2025	11:45	LB136319
	Nickel	1950	2000	98	95 - 105	P	06/27/2025	11:45	LB136319
	Potassium	19500	20000	97	95 - 105	P	06/27/2025	11:45	LB136319
	Selenium	4050	4000	101	95 - 105	P	06/27/2025	11:45	LB136319
	Silver	941	1000	94	95 - 105	P	06/27/2025	11:45	LB136319
	Sodium	20500	20000	102	95 - 105	P	06/27/2025	11:45	LB136319
	Thallium	3950	4000	99	95 - 105	P	06/27/2025	11:45	LB136319
	Vanadium	2020	2000	101	95 - 105	P	06/27/2025	11:45	LB136319
	Zinc	2030	2000	101	95 - 105	P	06/27/2025	11:45	LB136319

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Earth Engineering Inc. **SDG No.:** Q2392

Contract: EARTH03 **Lab Code:** CHEM **Case No.:** Q2392 **SAS No.:** Q2392

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	94.7	100	95	80 - 120	P	06/27/2025	12:03	LB136319
	Antimony	57.4	50.0	115	80 - 120	P	06/27/2025	12:03	LB136319
	Arsenic	16.7	20.0	84	80 - 120	P	06/27/2025	12:03	LB136319
	Barium	99.9	100	100	80 - 120	P	06/27/2025	12:03	LB136319
	Beryllium	6.43	6.0	107	80 - 120	P	06/27/2025	12:03	LB136319
	Cadmium	5.74	6.0	96	80 - 120	P	06/27/2025	12:03	LB136319
	Calcium	2080	2000	104	80 - 120	P	06/27/2025	12:03	LB136319
	Chromium	11.1	10.0	112	80 - 120	P	06/27/2025	12:03	LB136319
	Cobalt	30.3	30.0	101	80 - 120	P	06/27/2025	12:03	LB136319
	Copper	22.3	20.0	112	80 - 120	P	06/27/2025	12:03	LB136319
	Iron	111	100	111	80 - 120	P	06/27/2025	12:03	LB136319
	Lead	10.3	12.0	86	80 - 120	P	06/27/2025	12:03	LB136319
	Magnesium	2270	2000	114	80 - 120	P	06/27/2025	12:03	LB136319
	Manganese	22.8	20.0	114	80 - 120	P	06/27/2025	12:03	LB136319
	Nickel	39.8	40.0	100	80 - 120	P	06/27/2025	12:03	LB136319
	Potassium	1800	2000	90	80 - 120	P	06/27/2025	12:03	LB136319
	Selenium	19.5	20.0	98	80 - 120	P	06/27/2025	12:03	LB136319
	Silver	10.7	10.0	107	80 - 120	P	06/27/2025	12:03	LB136319
	Sodium	1900	2000	95	80 - 120	P	06/27/2025	12:03	LB136319
	Thallium	40.7	40.0	102	80 - 120	P	06/27/2025	12:03	LB136319
	Vanadium	47.8	40.0	119	80 - 120	P	06/27/2025	12:03	LB136319
	Zinc	34.2	40.0	85	80 - 120	P	06/27/2025	12:03	LB136319

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Earth Engineering Inc. SDG No.: Q2392
Contract: EARTH03 Lab Code: CHEM Case No.: Q2392 SAS No.: Q2392
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	Aluminum	9460	10000	95	90 - 110	P	06/27/2025	13:22	LB136319
	Antimony	5000	5000	100	90 - 110	P	06/27/2025	13:22	LB136319
	Arsenic	4830	5000	97	90 - 110	P	06/27/2025	13:22	LB136319
	Barium	10100	10000	101	90 - 110	P	06/27/2025	13:22	LB136319
	Beryllium	250	250	100	90 - 110	P	06/27/2025	13:22	LB136319
	Cadmium	2460	2500	99	90 - 110	P	06/27/2025	13:22	LB136319
	Calcium	24700	25000	99	90 - 110	P	06/27/2025	13:22	LB136319
	Chromium	1030	1000	103	90 - 110	P	06/27/2025	13:22	LB136319
	Cobalt	2470	2500	99	90 - 110	P	06/27/2025	13:22	LB136319
	Copper	1250	1250	100	90 - 110	P	06/27/2025	13:22	LB136319
	Iron	5370	5000	108	90 - 110	P	06/27/2025	13:22	LB136319
	Lead	4980	5000	100	90 - 110	P	06/27/2025	13:22	LB136319
	Magnesium	25700	25000	103	90 - 110	P	06/27/2025	13:22	LB136319
	Manganese	2520	2500	101	90 - 110	P	06/27/2025	13:22	LB136319
	Nickel	2510	2500	100	90 - 110	P	06/27/2025	13:22	LB136319
	Potassium	24900	25000	99	90 - 110	P	06/27/2025	13:22	LB136319
	Selenium	5040	5000	101	90 - 110	P	06/27/2025	13:22	LB136319
	Silver	1230	1250	99	90 - 110	P	06/27/2025	13:22	LB136319
	Sodium	25000	25000	100	90 - 110	P	06/27/2025	13:22	LB136319
	Thallium	5000	5000	100	90 - 110	P	06/27/2025	13:22	LB136319
	Vanadium	2480	2500	99	90 - 110	P	06/27/2025	13:22	LB136319
	Zinc	2510	2500	101	90 - 110	P	06/27/2025	13:22	LB136319
CCV02	Aluminum	9650	10000	96	90 - 110	P	06/27/2025	14:19	LB136319
	Antimony	5050	5000	101	90 - 110	P	06/27/2025	14:19	LB136319
	Arsenic	4900	5000	98	90 - 110	P	06/27/2025	14:19	LB136319
	Barium	10200	10000	102	90 - 110	P	06/27/2025	14:19	LB136319
	Beryllium	256	250	102	90 - 110	P	06/27/2025	14:19	LB136319
	Cadmium	2500	2500	100	90 - 110	P	06/27/2025	14:19	LB136319
	Calcium	25000	25000	100	90 - 110	P	06/27/2025	14:19	LB136319
	Chromium	1010	1000	101	90 - 110	P	06/27/2025	14:19	LB136319
	Cobalt	2510	2500	100	90 - 110	P	06/27/2025	14:19	LB136319
	Copper	1290	1250	103	90 - 110	P	06/27/2025	14:19	LB136319
	Iron	5250	5000	105	90 - 110	P	06/27/2025	14:19	LB136319
	Lead	5070	5000	101	90 - 110	P	06/27/2025	14:19	LB136319

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Earth Engineering Inc. **SDG No.:** Q2392

Contract: EARTH03 **Lab Code:** CHEM **Case No.:** Q2392 **SAS No.:** Q2392

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
CCV02	Magnesium	26100	25000	104	90 - 110	P	06/27/2025	14:19	LB136319
	Manganese	2540	2500	102	90 - 110	P	06/27/2025	14:19	LB136319
	Nickel	2530	2500	101	90 - 110	P	06/27/2025	14:19	LB136319
	Potassium	25600	25000	102	90 - 110	P	06/27/2025	14:19	LB136319
	Selenium	5100	5000	102	90 - 110	P	06/27/2025	14:19	LB136319
	Silver	1260	1250	101	90 - 110	P	06/27/2025	14:19	LB136319
	Sodium	25800	25000	103	90 - 110	P	06/27/2025	14:19	LB136319
	Thallium	5080	5000	102	90 - 110	P	06/27/2025	14:19	LB136319
	Vanadium	2500	2500	100	90 - 110	P	06/27/2025	14:19	LB136319
	Zinc	2550	2500	102	90 - 110	P	06/27/2025	14:19	LB136319
CCV03	Aluminum	9690	10000	97	90 - 110	P	06/27/2025	15:12	LB136319
	Antimony	5100	5000	102	90 - 110	P	06/27/2025	15:12	LB136319
	Arsenic	4930	5000	99	90 - 110	P	06/27/2025	15:12	LB136319
	Barium	10300	10000	103	90 - 110	P	06/27/2025	15:12	LB136319
	Beryllium	257	250	103	90 - 110	P	06/27/2025	15:12	LB136319
	Cadmium	2530	2500	101	90 - 110	P	06/27/2025	15:12	LB136319
	Calcium	25400	25000	102	90 - 110	P	06/27/2025	15:12	LB136319
	Chromium	1040	1000	104	90 - 110	P	06/27/2025	15:12	LB136319
	Cobalt	2540	2500	102	90 - 110	P	06/27/2025	15:12	LB136319
	Copper	1290	1250	103	90 - 110	P	06/27/2025	15:12	LB136319
	Iron	5340	5000	107	90 - 110	P	06/27/2025	15:12	LB136319
	Lead	5120	5000	102	90 - 110	P	06/27/2025	15:12	LB136319
	Magnesium	26300	25000	105	90 - 110	P	06/27/2025	15:12	LB136319
	Manganese	2560	2500	103	90 - 110	P	06/27/2025	15:12	LB136319
	Nickel	2560	2500	103	90 - 110	P	06/27/2025	15:12	LB136319
	Potassium	25800	25000	103	90 - 110	P	06/27/2025	15:12	LB136319
	Selenium	5170	5000	103	90 - 110	P	06/27/2025	15:12	LB136319
	Silver	1270	1250	102	90 - 110	P	06/27/2025	15:12	LB136319
	Sodium	26000	25000	104	90 - 110	P	06/27/2025	15:12	LB136319
	Thallium	5140	5000	103	90 - 110	P	06/27/2025	15:12	LB136319
	Vanadium	2550	2500	102	90 - 110	P	06/27/2025	15:12	LB136319
	Zinc	2560	2500	102	90 - 110	P	06/27/2025	15:12	LB136319
CCV04	Aluminum	10300	10000	103	90 - 110	P	06/27/2025	16:04	LB136319
	Antimony	5110	5000	102	90 - 110	P	06/27/2025	16:04	LB136319

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Earth Engineering Inc. **SDG No.:** Q2392

Contract: EARTH03 **Lab Code:** CHEM **Case No.:** Q2392 **SAS No.:** Q2392

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
CCV04	Arsenic	4940	5000	99	90 - 110	P	06/27/2025	16:04	LB136319
	Barium	10300	10000	103	90 - 110	P	06/27/2025	16:04	LB136319
	Beryllium	256	250	102	90 - 110	P	06/27/2025	16:04	LB136319
	Cadmium	2530	2500	101	90 - 110	P	06/27/2025	16:04	LB136319
	Calcium	25400	25000	102	90 - 110	P	06/27/2025	16:04	LB136319
	Chromium	1010	1000	101	90 - 110	P	06/27/2025	16:04	LB136319
	Cobalt	2540	2500	102	90 - 110	P	06/27/2025	16:04	LB136319
	Copper	1290	1250	103	90 - 110	P	06/27/2025	16:04	LB136319
	Iron	5250	5000	105	90 - 110	P	06/27/2025	16:04	LB136319
	Lead	5120	5000	102	90 - 110	P	06/27/2025	16:04	LB136319
	Magnesium	26100	25000	105	90 - 110	P	06/27/2025	16:04	LB136319
	Manganese	2580	2500	103	90 - 110	P	06/27/2025	16:04	LB136319
	Nickel	2550	2500	102	90 - 110	P	06/27/2025	16:04	LB136319
	Potassium	25800	25000	103	90 - 110	P	06/27/2025	16:04	LB136319
	Selenium	5160	5000	103	90 - 110	P	06/27/2025	16:04	LB136319
	Silver	1260	1250	101	90 - 110	P	06/27/2025	16:04	LB136319
	Sodium	26000	25000	104	90 - 110	P	06/27/2025	16:04	LB136319
	Thallium	5130	5000	102	90 - 110	P	06/27/2025	16:04	LB136319
	Vanadium	2550	2500	102	90 - 110	P	06/27/2025	16:04	LB136319
	Zinc	2570	2500	103	90 - 110	P	06/27/2025	16:04	LB136319
CCV05	Aluminum	9590	10000	96	90 - 110	P	06/27/2025	16:56	LB136319
	Antimony	4950	5000	99	90 - 110	P	06/27/2025	16:56	LB136319
	Arsenic	4820	5000	96	90 - 110	P	06/27/2025	16:56	LB136319
	Barium	10200	10000	102	90 - 110	P	06/27/2025	16:56	LB136319
	Beryllium	255	250	102	90 - 110	P	06/27/2025	16:56	LB136319
	Cadmium	2460	2500	98	90 - 110	P	06/27/2025	16:56	LB136319
	Calcium	24800	25000	99	90 - 110	P	06/27/2025	16:56	LB136319
	Chromium	1040	1000	104	90 - 110	P	06/27/2025	16:56	LB136319
	Cobalt	2460	2500	98	90 - 110	P	06/27/2025	16:56	LB136319
	Copper	1280	1250	102	90 - 110	P	06/27/2025	16:56	LB136319
	Iron	5380	5000	108	90 - 110	P	06/27/2025	16:56	LB136319
	Lead	4960	5000	99	90 - 110	P	06/27/2025	16:56	LB136319
	Magnesium	25300	25000	101	90 - 110	P	06/27/2025	16:56	LB136319
	Manganese	2490	2500	100	90 - 110	P	06/27/2025	16:56	LB136319

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Earth Engineering Inc. **SDG No.:** Q2392

Contract: EARTH03 **Lab Code:** CHEM **Case No.:** Q2392 **SAS No.:** Q2392

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	Nickel	2500	2500	100	90 - 110	P	06/27/2025	16:56	LB136319
	Potassium	25700	25000	103	90 - 110	P	06/27/2025	16:56	LB136319
	Selenium	4980	5000	100	90 - 110	P	06/27/2025	16:56	LB136319
	Silver	1230	1250	98	90 - 110	P	06/27/2025	16:56	LB136319
	Sodium	25900	25000	104	90 - 110	P	06/27/2025	16:56	LB136319
	Thallium	4980	5000	100	90 - 110	P	06/27/2025	16:56	LB136319
	Vanadium	2470	2500	99	90 - 110	P	06/27/2025	16:56	LB136319
	Zinc	2480	2500	99	90 - 110	P	06/27/2025	16:56	LB136319
CCV06	Aluminum	9580	10000	96	90 - 110	P	06/27/2025	17:49	LB136319
	Antimony	5020	5000	100	90 - 110	P	06/27/2025	17:49	LB136319
	Arsenic	4880	5000	98	90 - 110	P	06/27/2025	17:49	LB136319
	Barium	10400	10000	104	90 - 110	P	06/27/2025	17:49	LB136319
	Beryllium	254	250	102	90 - 110	P	06/27/2025	17:49	LB136319
	Cadmium	2480	2500	99	90 - 110	P	06/27/2025	17:49	LB136319
	Calcium	24900	25000	100	90 - 110	P	06/27/2025	17:49	LB136319
	Chromium	1030	1000	103	90 - 110	P	06/27/2025	17:49	LB136319
	Cobalt	2480	2500	99	90 - 110	P	06/27/2025	17:49	LB136319
	Copper	1280	1250	102	90 - 110	P	06/27/2025	17:49	LB136319
	Iron	5430	5000	109	90 - 110	P	06/27/2025	17:49	LB136319
	Lead	5000	5000	100	90 - 110	P	06/27/2025	17:49	LB136319
	Magnesium	25800	25000	103	90 - 110	P	06/27/2025	17:49	LB136319
	Manganese	2540	2500	102	90 - 110	P	06/27/2025	17:49	LB136319
	Nickel	2530	2500	101	90 - 110	P	06/27/2025	17:49	LB136319
	Potassium	25700	25000	103	90 - 110	P	06/27/2025	17:49	LB136319
	Selenium	5030	5000	101	90 - 110	P	06/27/2025	17:49	LB136319
	Silver	1220	1250	97	90 - 110	P	06/27/2025	17:49	LB136319
	Sodium	26100	25000	105	90 - 110	P	06/27/2025	17:49	LB136319
	Thallium	5060	5000	101	90 - 110	P	06/27/2025	17:49	LB136319
	Vanadium	2520	2500	101	90 - 110	P	06/27/2025	17:49	LB136319
	Zinc	2560	2500	102	90 - 110	P	06/27/2025	17:49	LB136319
CCV07	Aluminum	9940	10000	99	90 - 110	P	06/27/2025	18:41	LB136319
	Antimony	5140	5000	103	90 - 110	P	06/27/2025	18:41	LB136319
	Arsenic	5050	5000	101	90 - 110	P	06/27/2025	18:41	LB136319
	Barium	10600	10000	106	90 - 110	P	06/27/2025	18:41	LB136319

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Earth Engineering Inc. **SDG No.:** Q2392

Contract: EARTH03 **Lab Code:** CHEM **Case No.:** Q2392 **SAS No.:** Q2392

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
CCV07	Beryllium	260	250	104	90 - 110	P	06/27/2025	18:41	LB136319
	Cadmium	2550	2500	102	90 - 110	P	06/27/2025	18:41	LB136319
	Calcium	25300	25000	101	90 - 110	P	06/27/2025	18:41	LB136319
	Chromium	1030	1000	103	90 - 110	P	06/27/2025	18:41	LB136319
	Cobalt	2540	2500	102	90 - 110	P	06/27/2025	18:41	LB136319
	Copper	1310	1250	105	90 - 110	P	06/27/2025	18:41	LB136319
	Iron	5380	5000	108	90 - 110	P	06/27/2025	18:41	LB136319
	Lead	5120	5000	102	90 - 110	P	06/27/2025	18:41	LB136319
	Magnesium	26100	25000	104	90 - 110	P	06/27/2025	18:41	LB136319
	Manganese	2590	2500	103	90 - 110	P	06/27/2025	18:41	LB136319
	Nickel	2570	2500	103	90 - 110	P	06/27/2025	18:41	LB136319
	Potassium	26400	25000	106	90 - 110	P	06/27/2025	18:41	LB136319
	Selenium	5140	5000	103	90 - 110	P	06/27/2025	18:41	LB136319
	Silver	1240	1250	99	90 - 110	P	06/27/2025	18:41	LB136319
	Sodium	26800	25000	107	90 - 110	P	06/27/2025	18:41	LB136319
	Thallium	5190	5000	104	90 - 110	P	06/27/2025	18:41	LB136319
	Vanadium	2610	2500	104	90 - 110	P	06/27/2025	18:41	LB136319
	Zinc	2630	2500	105	90 - 110	P	06/27/2025	18:41	LB136319
CCV08	Aluminum	9930	10000	99	90 - 110	P	06/27/2025	19:29	LB136319
	Antimony	5100	5000	102	90 - 110	P	06/27/2025	19:29	LB136319
	Arsenic	5000	5000	100	90 - 110	P	06/27/2025	19:29	LB136319
	Barium	10500	10000	105	90 - 110	P	06/27/2025	19:29	LB136319
	Beryllium	256	250	102	90 - 110	P	06/27/2025	19:29	LB136319
	Cadmium	2520	2500	101	90 - 110	P	06/27/2025	19:29	LB136319
	Calcium	25100	25000	100	90 - 110	P	06/27/2025	19:29	LB136319
	Chromium	1010	1000	100	90 - 110	P	06/27/2025	19:29	LB136319
	Cobalt	2520	2500	101	90 - 110	P	06/27/2025	19:29	LB136319
	Copper	1290	1250	104	90 - 110	P	06/27/2025	19:29	LB136319
	Iron	5200	5000	104	90 - 110	P	06/27/2025	19:29	LB136319
	Lead	5040	5000	101	90 - 110	P	06/27/2025	19:29	LB136319
	Magnesium	25600	25000	102	90 - 110	P	06/27/2025	19:29	LB136319
	Manganese	2530	2500	101	90 - 110	P	06/27/2025	19:29	LB136319
	Nickel	2530	2500	101	90 - 110	P	06/27/2025	19:29	LB136319
	Potassium	26300	25000	105	90 - 110	P	06/27/2025	19:29	LB136319

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Earth Engineering Inc. **SDG No.:** Q2392
Contract: EARTH03 **Lab Code:** CHEM **Case No.:** Q2392 **SAS No.:** Q2392
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	5060	5000	101	90 - 110	P	06/27/2025	19:29	LB136319
	Silver	1220	1250	98	90 - 110	P	06/27/2025	19:29	LB136319
	Sodium	26500	25000	106	90 - 110	P	06/27/2025	19:29	LB136319
	Thallium	5130	5000	103	90 - 110	P	06/27/2025	19:29	LB136319
	Vanadium	2550	2500	102	90 - 110	P	06/27/2025	19:29	LB136319
	Zinc	2610	2500	104	90 - 110	P	06/27/2025	19:29	LB136319
