

LAB CHRONICLE

OrderID:	Q3393	OrderDate:	10/17/2025 4:23:00 PM
Client:	AECOM	Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC -
Contact:	Rob Forstner	Location:	60993705-1719208 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3393-01	PR132-S10-000022-2 0251017	SOIL			10/17/25			10/17/25
			Mercury	7471B		10/21/25	10/22/25	
			Metals ICP-TAL	6020B		10/21/25	10/22/25	
Q3393-02	PR132-S10-022047-2 0251017	SOIL			10/17/25			10/17/25
			Mercury	7471B		10/21/25	10/22/25	
			Metals ICP-TAL	6020B		10/21/25	10/22/25	
Q3393-03	PR132-S08-013038-2 0251017	SOIL			10/17/25			10/17/25
			Mercury	7471B		10/21/25	10/22/25	
			Metals ICP-TAL	6020B		10/21/25	10/22/25	
Q3393-04	PR132-S06-000021-2 0251017	SOIL			10/17/25			10/17/25
			Mercury	7471B		10/21/25	10/22/25	
			Metals ICP-TAL	6020B		10/21/25	10/22/25	
Q3393-05	PR132-S08-000013-2 0251017	SOIL			10/17/25			10/17/25
			Mercury	7471B		10/21/25	10/22/25	
			Metals ICP-TAL	6020B		10/21/25	10/22/25	

Hit Summary Sheet
SW-846

SDG No.: Q3393 **Order ID:** Q3393
Client: AECOM **Project ID:** AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : PR132-S10-000022-20251017								
Q3393-01	PR132-S10-000022-20251017	SOIL	Aluminum	7740		0.51	2.81	mg/Kg
Q3393-01	PR132-S10-000022-20251017	SOIL	Antimony	0.40		0.063	0.28	mg/Kg
Q3393-01	PR132-S10-000022-20251017	SOIL	Arsenic	19.5		0.017	0.14	mg/Kg
Q3393-01	PR132-S10-000022-20251017	SOIL	Barium	140		0.046	1.41	mg/Kg
Q3393-01	PR132-S10-000022-20251017	SOIL	Beryllium	0.97		0.045	0.14	mg/Kg
Q3393-01	PR132-S10-000022-20251017	SOIL	Cadmium	6.56		0.025	0.14	mg/Kg
Q3393-01	PR132-S10-000022-20251017	SOIL	Calcium	14000		6.74	70.3	mg/Kg
Q3393-01	PR132-S10-000022-20251017	SOIL	Chromium	233	D	0.18	1.41	mg/Kg
Q3393-01	PR132-S10-000022-20251017	SOIL	Cobalt	11.8		0.013	0.14	mg/Kg
Q3393-01	PR132-S10-000022-20251017	SOIL	Copper	237		0.091	0.28	mg/Kg
Q3393-01	PR132-S10-000022-20251017	SOIL	Iron	28700		1.29	7.03	mg/Kg
Q3393-01	PR132-S10-000022-20251017	SOIL	Lead	346		0.045	0.14	mg/Kg
Q3393-01	PR132-S10-000022-20251017	SOIL	Magnesium	5510		2.71	70.3	mg/Kg
Q3393-01	PR132-S10-000022-20251017	SOIL	Manganese	260		0.048	0.14	mg/Kg
Q3393-01	PR132-S10-000022-20251017	SOIL	Nickel	62.5		0.060	0.14	mg/Kg
Q3393-01	PR132-S10-000022-20251017	SOIL	Mercury	0.78	D	0.058	0.10	mg/Kg
Q3393-01	PR132-S10-000022-20251017	SOIL	Potassium	1930		5.40	70.3	mg/Kg
Q3393-01	PR132-S10-000022-20251017	SOIL	Selenium	1.69		0.39	0.70	mg/Kg
Q3393-01	PR132-S10-000022-20251017	SOIL	Silver	5.53		0.037	0.14	mg/Kg
Q3393-01	PR132-S10-000022-20251017	SOIL	Sodium	5520		9.87	70.3	mg/Kg
Q3393-01	PR132-S10-000022-20251017	SOIL	Thallium	0.23		0.020	0.14	mg/Kg
Q3393-01	PR132-S10-000022-20251017	SOIL	Vanadium	39.9		0.015	0.70	mg/Kg
Q3393-01	PR132-S10-000022-20251017	SOIL	Zinc	481		0.13	0.70	mg/Kg
Client ID : PR132-S10-022047-20251017								
Q3393-02	PR132-S10-022047-20251017	SOIL	Aluminum	10100		0.56	3.09	mg/Kg
Q3393-02	PR132-S10-022047-20251017	SOIL	Antimony	0.30	J	0.069	0.31	mg/Kg
Q3393-02	PR132-S10-022047-20251017	SOIL	Arsenic	35.2		0.019	0.15	mg/Kg
Q3393-02	PR132-S10-022047-20251017	SOIL	Barium	277		0.051	1.54	mg/Kg
Q3393-02	PR132-S10-022047-20251017	SOIL	Beryllium	0.72		0.049	0.15	mg/Kg
Q3393-02	PR132-S10-022047-20251017	SOIL	Cadmium	7.23		0.028	0.15	mg/Kg
Q3393-02	PR132-S10-022047-20251017	SOIL	Calcium	5220		7.39	77.2	mg/Kg
Q3393-02	PR132-S10-022047-20251017	SOIL	Chromium	280	D	0.20	1.54	mg/Kg
Q3393-02	PR132-S10-022047-20251017	SOIL	Cobalt	9.11		0.014	0.15	mg/Kg
Q3393-02	PR132-S10-022047-20251017	SOIL	Copper	341		0.10	0.31	mg/Kg
Q3393-02	PR132-S10-022047-20251017	SOIL	Iron	28000		1.42	7.72	mg/Kg
Q3393-02	PR132-S10-022047-20251017	SOIL	Lead	413		0.049	0.15	mg/Kg
Q3393-02	PR132-S10-022047-20251017	SOIL	Magnesium	5340		2.98	77.2	mg/Kg

Hit Summary Sheet
SW-846

SDG No.:	Q3393	Order ID:	Q3393
Client:	AECOM	Project ID:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q3393-02	PR132-S10-022047-20251017	SOIL	Manganese	261		0.052	0.15	mg/Kg
Q3393-02	PR132-S10-022047-20251017	SOIL	Nickel	44.1		0.066	0.15	mg/Kg
Q3393-02	PR132-S10-022047-20251017	SOIL	Mercury	4.32	D	0.069	0.13	mg/Kg
Q3393-02	PR132-S10-022047-20251017	SOIL	Potassium	2230		5.93	77.2	mg/Kg
Q3393-02	PR132-S10-022047-20251017	SOIL	Selenium	2.54		0.43	0.77	mg/Kg
Q3393-02	PR132-S10-022047-20251017	SOIL	Silver	6.49		0.040	0.15	mg/Kg
Q3393-02	PR132-S10-022047-20251017	SOIL	Sodium	2880		10.8	77.2	mg/Kg
Q3393-02	PR132-S10-022047-20251017	SOIL	Thallium	0.36		0.022	0.15	mg/Kg
Q3393-02	PR132-S10-022047-20251017	SOIL	Vanadium	37.4		0.017	0.77	mg/Kg
Q3393-02	PR132-S10-022047-20251017	SOIL	Zinc	484		0.14	0.77	mg/Kg

Client ID : PR132-S08-013038-20251017

Q3393-03	PR132-S08-013038-20251017	SOIL	Aluminum	19700	D	2.94	16.3	mg/Kg
Q3393-03	PR132-S08-013038-20251017	SOIL	Antimony	0.22	J	0.073	0.33	mg/Kg
Q3393-03	PR132-S08-013038-20251017	SOIL	Arsenic	44.7	D	0.098	0.82	mg/Kg
Q3393-03	PR132-S08-013038-20251017	SOIL	Barium	268		0.054	1.63	mg/Kg
Q3393-03	PR132-S08-013038-20251017	SOIL	Beryllium	1.26		0.052	0.16	mg/Kg
Q3393-03	PR132-S08-013038-20251017	SOIL	Cadmium	2.15		0.029	0.16	mg/Kg
Q3393-03	PR132-S08-013038-20251017	SOIL	Calcium	5380		7.82	81.6	mg/Kg
Q3393-03	PR132-S08-013038-20251017	SOIL	Chromium	110		0.042	0.33	mg/Kg
Q3393-03	PR132-S08-013038-20251017	SOIL	Cobalt	14.6		0.015	0.16	mg/Kg
Q3393-03	PR132-S08-013038-20251017	SOIL	Copper	199		0.11	0.33	mg/Kg
Q3393-03	PR132-S08-013038-20251017	SOIL	Iron	49500	D	7.51	40.8	mg/Kg
Q3393-03	PR132-S08-013038-20251017	SOIL	Lead	308		0.052	0.16	mg/Kg
Q3393-03	PR132-S08-013038-20251017	SOIL	Magnesium	7700		3.15	81.6	mg/Kg
Q3393-03	PR132-S08-013038-20251017	SOIL	Manganese	1230		0.056	0.16	mg/Kg
Q3393-03	PR132-S08-013038-20251017	SOIL	Nickel	44.1		0.070	0.16	mg/Kg
Q3393-03	PR132-S08-013038-20251017	SOIL	Mercury	6.19	D	0.070	0.13	mg/Kg
Q3393-03	PR132-S08-013038-20251017	SOIL	Potassium	3160		6.27	81.6	mg/Kg
Q3393-03	PR132-S08-013038-20251017	SOIL	Selenium	3.12	JD	2.29	4.08	mg/Kg
Q3393-03	PR132-S08-013038-20251017	SOIL	Silver	3.11		0.042	0.16	mg/Kg
Q3393-03	PR132-S08-013038-20251017	SOIL	Sodium	2710		11.5	81.6	mg/Kg
Q3393-03	PR132-S08-013038-20251017	SOIL	Thallium	0.40		0.023	0.16	mg/Kg
Q3393-03	PR132-S08-013038-20251017	SOIL	Vanadium	49.9		0.018	0.82	mg/Kg
Q3393-03	PR132-S08-013038-20251017	SOIL	Zinc	370		0.15	0.82	mg/Kg

Client ID : PR132-S06-000021-20251017

Q3393-04	PR132-S06-000021-20251017	SOIL	Aluminum	10200		0.56	3.12	mg/Kg
Q3393-04	PR132-S06-000021-20251017	SOIL	Antimony	0.40		0.070	0.31	mg/Kg
Q3393-04	PR132-S06-000021-20251017	SOIL	Arsenic	30.3		0.019	0.16	mg/Kg
Q3393-04	PR132-S06-000021-20251017	SOIL	Barium	227		0.052	1.56	mg/Kg

Hit Summary Sheet
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SDG No.:	Q3393	Order ID:	Q3393
Client:	AECOM	Project ID:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q3393-04	PR132-S06-000021-20251017	SOIL	Beryllium	0.83		0.050	0.16	mg/Kg
Q3393-04	PR132-S06-000021-20251017	SOIL	Cadmium	7.77		0.028	0.16	mg/Kg
Q3393-04	PR132-S06-000021-20251017	SOIL	Calcium	4990		7.48	78.0	mg/Kg
Q3393-04	PR132-S06-000021-20251017	SOIL	Chromium	311	D	0.20	1.56	mg/Kg
Q3393-04	PR132-S06-000021-20251017	SOIL	Cobalt	9.74		0.014	0.16	mg/Kg
Q3393-04	PR132-S06-000021-20251017	SOIL	Copper	305		0.10	0.31	mg/Kg
Q3393-04	PR132-S06-000021-20251017	SOIL	Iron	28700		1.44	7.80	mg/Kg
Q3393-04	PR132-S06-000021-20251017	SOIL	Lead	413		0.050	0.16	mg/Kg
Q3393-04	PR132-S06-000021-20251017	SOIL	Magnesium	5760		3.01	78.0	mg/Kg
Q3393-04	PR132-S06-000021-20251017	SOIL	Manganese	287		0.053	0.16	mg/Kg
Q3393-04	PR132-S06-000021-20251017	SOIL	Nickel	48.8		0.067	0.16	mg/Kg
Q3393-04	PR132-S06-000021-20251017	SOIL	Mercury	4.12	D	0.063	0.11	mg/Kg
Q3393-04	PR132-S06-000021-20251017	SOIL	Potassium	2130		5.99	78.0	mg/Kg
Q3393-04	PR132-S06-000021-20251017	SOIL	Selenium	1.91		0.44	0.78	mg/Kg
Q3393-04	PR132-S06-000021-20251017	SOIL	Silver	7.40		0.041	0.16	mg/Kg
Q3393-04	PR132-S06-000021-20251017	SOIL	Sodium	2010		11.0	78.0	mg/Kg
Q3393-04	PR132-S06-000021-20251017	SOIL	Thallium	0.30		0.022	0.16	mg/Kg
Q3393-04	PR132-S06-000021-20251017	SOIL	Vanadium	45.2		0.017	0.78	mg/Kg
Q3393-04	PR132-S06-000021-20251017	SOIL	Zinc	477		0.14	0.78	mg/Kg

Client ID : PR132-S08-000013-20251017

Q3393-05	PR132-S08-000013-20251017	SOIL	Aluminum	15700		0.58	3.21	mg/Kg
Q3393-05	PR132-S08-000013-20251017	SOIL	Antimony	0.53		0.072	0.32	mg/Kg
Q3393-05	PR132-S08-000013-20251017	SOIL	Arsenic	48.0	D	0.096	0.80	mg/Kg
Q3393-05	PR132-S08-000013-20251017	SOIL	Barium	331		0.053	1.60	mg/Kg
Q3393-05	PR132-S08-000013-20251017	SOIL	Beryllium	1.49		0.051	0.16	mg/Kg
Q3393-05	PR132-S08-000013-20251017	SOIL	Cadmium	17.3		0.029	0.16	mg/Kg
Q3393-05	PR132-S08-000013-20251017	SOIL	Calcium	10900		7.68	80.1	mg/Kg
Q3393-05	PR132-S08-000013-20251017	SOIL	Chromium	618	D	0.21	1.60	mg/Kg
Q3393-05	PR132-S08-000013-20251017	SOIL	Cobalt	17.6		0.014	0.16	mg/Kg
Q3393-05	PR132-S08-000013-20251017	SOIL	Copper	559		0.10	0.32	mg/Kg
Q3393-05	PR132-S08-000013-20251017	SOIL	Iron	51300	D	7.37	40.1	mg/Kg
Q3393-05	PR132-S08-000013-20251017	SOIL	Lead	572		0.051	0.16	mg/Kg
Q3393-05	PR132-S08-000013-20251017	SOIL	Magnesium	10700		3.09	80.1	mg/Kg
Q3393-05	PR132-S08-000013-20251017	SOIL	Manganese	412		0.054	0.16	mg/Kg
Q3393-05	PR132-S08-000013-20251017	SOIL	Nickel	120		0.069	0.16	mg/Kg
Q3393-05	PR132-S08-000013-20251017	SOIL	Mercury	5.00	D	0.13	0.23	mg/Kg
Q3393-05	PR132-S08-000013-20251017	SOIL	Potassium	3780		6.15	80.1	mg/Kg
Q3393-05	PR132-S08-000013-20251017	SOIL	Selenium	2.85		0.45	0.80	mg/Kg
Q3393-05	PR132-S08-000013-20251017	SOIL	Silver	7.46		0.042	0.16	mg/Kg
Q3393-05	PR132-S08-000013-20251017	SOIL	Sodium	10800		11.3	80.1	mg/Kg

Hit Summary Sheet
SW-846

SDG No.: Q3393

Order ID: Q3393

Client: AECOM

Project ID: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q3393-05	PR132-S08-000013-20251017	SOIL	Thallium	0.47		0.022	0.16	mg/Kg
Q3393-05	PR132-S08-000013-20251017	SOIL	Vanadium	91.9		0.018	0.80	mg/Kg
Q3393-05	PR132-S08-000013-20251017	SOIL	Zinc	905		0.14	0.80	mg/Kg



SAMPLE DATA

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S10-000022-20251017
Lab Sample ID: Q3393-01
Level (low/med): low

Date Collected: 10/17/25
Date Received: 10/17/25
SDG No.: Q3393
Matrix: SOIL
% Solid: 56

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	7740		1	0.51	2.81	mg/Kg	10/21/25 10:45	10/22/25 17:15	6020B	SW3050
7440-36-0	Antimony	0.40		1	0.063	0.28	mg/Kg	10/21/25 10:45	10/22/25 17:15	6020B	SW3050
7440-38-2	Arsenic	19.5		1	0.017	0.14	mg/Kg	10/21/25 10:45	10/22/25 17:15	6020B	SW3050
7440-39-3	Barium	140	N	1	0.046	1.41	mg/Kg	10/21/25 10:45	10/22/25 17:15	6020B	SW3050
7440-41-7	Beryllium	0.97		1	0.045	0.14	mg/Kg	10/21/25 10:45	10/22/25 17:15	6020B	SW3050
7440-43-9	Cadmium	6.56		1	0.025	0.14	mg/Kg	10/21/25 10:45	10/22/25 17:15	6020B	SW3050
7440-70-2	Calcium	14000		1	6.74	70.3	mg/Kg	10/21/25 10:45	10/22/25 17:15	6020B	SW3050
7440-47-3	Chromium	233	D	5	0.18	1.41	mg/Kg	10/21/25 10:45	10/22/25 20:12	6020B	SW3050
7440-48-4	Cobalt	11.8		1	0.013	0.14	mg/Kg	10/21/25 10:45	10/22/25 17:15	6020B	SW3050
7440-50-8	Copper	237		1	0.091	0.28	mg/Kg	10/21/25 10:45	10/22/25 17:15	6020B	SW3050
7439-89-6	Iron	28700		1	1.29	7.03	mg/Kg	10/21/25 10:45	10/22/25 17:15	6020B	SW3050
7439-92-1	Lead	346	N	1	0.045	0.14	mg/Kg	10/21/25 10:45	10/22/25 17:15	6020B	SW3050
7439-95-4	Magnesium	5510		1	2.71	70.3	mg/Kg	10/21/25 10:45	10/22/25 17:15	6020B	SW3050
7439-96-5	Manganese	260		1	0.048	0.14	mg/Kg	10/21/25 10:45	10/22/25 17:15	6020B	SW3050
7439-97-6	Mercury	0.78	D	5	0.058	0.10	mg/Kg	10/21/25 11:20	10/22/25 13:13	7471B	7471B
7440-02-0	Nickel	62.5	N	1	0.060	0.14	mg/Kg	10/21/25 10:45	10/22/25 17:15	6020B	SW3050
7440-09-7	Potassium	1930		1	5.40	70.3	mg/Kg	10/21/25 10:45	10/22/25 17:15	6020B	SW3050
7782-49-2	Selenium	1.69	N	1	0.39	0.70	mg/Kg	10/21/25 10:45	10/22/25 17:15	6020B	SW3050
7440-22-4	Silver	5.53	N	1	0.037	0.14	mg/Kg	10/21/25 10:45	10/22/25 17:15	6020B	SW3050
7440-23-5	Sodium	5520		1	9.87	70.3	mg/Kg	10/21/25 10:45	10/22/25 17:15	6020B	SW3050
7440-28-0	Thallium	0.23		1	0.020	0.14	mg/Kg	10/21/25 10:45	10/22/25 17:15	6020B	SW3050
7440-62-2	Vanadium	39.9		1	0.015	0.70	mg/Kg	10/21/25 10:45	10/22/25 17:15	6020B	SW3050
7440-66-6	Zinc	481		1	0.13	0.70	mg/Kg	10/21/25 10:45	10/22/25 17:15	6020B	SW3050

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

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S10-022047-20251017
Lab Sample ID: Q3393-02
Level (low/med): low

Date Collected: 10/17/25
Date Received: 10/17/25
SDG No.: Q3393
Matrix: SOIL
% Solid: 54

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	10100		1	0.56	3.09	mg/Kg	10/21/25 10:45	10/22/25 17:18	6020B	SW3050
7440-36-0	Antimony	0.30	J	1	0.069	0.31	mg/Kg	10/21/25 10:45	10/22/25 17:18	6020B	SW3050
7440-38-2	Arsenic	35.2		1	0.019	0.15	mg/Kg	10/21/25 10:45	10/22/25 17:18	6020B	SW3050
7440-39-3	Barium	277	N	1	0.051	1.54	mg/Kg	10/21/25 10:45	10/22/25 17:18	6020B	SW3050
7440-41-7	Beryllium	0.72		1	0.049	0.15	mg/Kg	10/21/25 10:45	10/22/25 17:18	6020B	SW3050
7440-43-9	Cadmium	7.23		1	0.028	0.15	mg/Kg	10/21/25 10:45	10/22/25 17:18	6020B	SW3050
7440-70-2	Calcium	5220		1	7.39	77.2	mg/Kg	10/21/25 10:45	10/22/25 17:18	6020B	SW3050
7440-47-3	Chromium	280	D	5	0.20	1.54	mg/Kg	10/21/25 10:45	10/22/25 20:16	6020B	SW3050
7440-48-4	Cobalt	9.11		1	0.014	0.15	mg/Kg	10/21/25 10:45	10/22/25 17:18	6020B	SW3050
7440-50-8	Copper	341		1	0.10	0.31	mg/Kg	10/21/25 10:45	10/22/25 17:18	6020B	SW3050
7439-89-6	Iron	28000		1	1.42	7.72	mg/Kg	10/21/25 10:45	10/22/25 17:18	6020B	SW3050
7439-92-1	Lead	413	N	1	0.049	0.15	mg/Kg	10/21/25 10:45	10/22/25 17:18	6020B	SW3050
7439-95-4	Magnesium	5340		1	2.98	77.2	mg/Kg	10/21/25 10:45	10/22/25 17:18	6020B	SW3050
7439-96-5	Manganese	261		1	0.052	0.15	mg/Kg	10/21/25 10:45	10/22/25 17:18	6020B	SW3050
7439-97-6	Mercury	4.32	D	5	0.069	0.13	mg/Kg	10/21/25 11:20	10/22/25 13:15	7471B	7471B
7440-02-0	Nickel	44.1	N	1	0.066	0.15	mg/Kg	10/21/25 10:45	10/22/25 17:18	6020B	SW3050
7440-09-7	Potassium	2230		1	5.93	77.2	mg/Kg	10/21/25 10:45	10/22/25 17:18	6020B	SW3050
7782-49-2	Selenium	2.54	N	1	0.43	0.77	mg/Kg	10/21/25 10:45	10/22/25 17:18	6020B	SW3050
7440-22-4	Silver	6.49	N	1	0.040	0.15	mg/Kg	10/21/25 10:45	10/22/25 17:18	6020B	SW3050
7440-23-5	Sodium	2880		1	10.8	77.2	mg/Kg	10/21/25 10:45	10/22/25 17:18	6020B	SW3050
7440-28-0	Thallium	0.36		1	0.022	0.15	mg/Kg	10/21/25 10:45	10/22/25 17:18	6020B	SW3050
7440-62-2	Vanadium	37.4		1	0.017	0.77	mg/Kg	10/21/25 10:45	10/22/25 17:18	6020B	SW3050
7440-66-6	Zinc	484		1	0.14	0.77	mg/Kg	10/21/25 10:45	10/22/25 17:18	6020B	SW3050

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

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S08-013038-20251017
Lab Sample ID: Q3393-03
Level (low/med): low

Date Collected: 10/17/25
Date Received: 10/17/25
SDG No.: Q3393
Matrix: SOIL
% Solid: 52.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	19700	D	5	2.94	16.3	mg/Kg	10/21/25 10:45	10/22/25 20:19	6020B	SW3050
7440-36-0	Antimony	0.22	J	1	0.073	0.33	mg/Kg	10/21/25 10:45	10/22/25 17:22	6020B	SW3050
7440-38-2	Arsenic	44.7	D	5	0.098	0.82	mg/Kg	10/21/25 10:45	10/22/25 20:19	6020B	SW3050
7440-39-3	Barium	268	N	1	0.054	1.63	mg/Kg	10/21/25 10:45	10/22/25 17:22	6020B	SW3050
7440-41-7	Beryllium	1.26		1	0.052	0.16	mg/Kg	10/21/25 10:45	10/22/25 17:22	6020B	SW3050
7440-43-9	Cadmium	2.15		1	0.029	0.16	mg/Kg	10/21/25 10:45	10/22/25 17:22	6020B	SW3050
7440-70-2	Calcium	5380		1	7.82	81.6	mg/Kg	10/21/25 10:45	10/22/25 17:22	6020B	SW3050
7440-47-3	Chromium	110		1	0.042	0.33	mg/Kg	10/21/25 10:45	10/22/25 17:22	6020B	SW3050
7440-48-4	Cobalt	14.6		1	0.015	0.16	mg/Kg	10/21/25 10:45	10/22/25 17:22	6020B	SW3050
7440-50-8	Copper	199		1	0.11	0.33	mg/Kg	10/21/25 10:45	10/22/25 17:22	6020B	SW3050
7439-89-6	Iron	49500	D	5	7.51	40.8	mg/Kg	10/21/25 10:45	10/22/25 20:19	6020B	SW3050
7439-92-1	Lead	308	N	1	0.052	0.16	mg/Kg	10/21/25 10:45	10/22/25 17:22	6020B	SW3050
7439-95-4	Magnesium	7700		1	3.15	81.6	mg/Kg	10/21/25 10:45	10/22/25 17:22	6020B	SW3050
7439-96-5	Manganese	1230		1	0.056	0.16	mg/Kg	10/21/25 10:45	10/22/25 17:22	6020B	SW3050
7439-97-6	Mercury	6.19	D	5	0.070	0.13	mg/Kg	10/21/25 11:20	10/22/25 13:18	7471B	7471B
7440-02-0	Nickel	44.1	N	1	0.070	0.16	mg/Kg	10/21/25 10:45	10/22/25 17:22	6020B	SW3050
7440-09-7	Potassium	3160		1	6.27	81.6	mg/Kg	10/21/25 10:45	10/22/25 17:22	6020B	SW3050
7782-49-2	Selenium	3.12	JDN	5	2.29	4.08	mg/Kg	10/21/25 10:45	10/22/25 20:19	6020B	SW3050
7440-22-4	Silver	3.11	N	1	0.042	0.16	mg/Kg	10/21/25 10:45	10/22/25 17:22	6020B	SW3050
7440-23-5	Sodium	2710		1	11.5	81.6	mg/Kg	10/21/25 10:45	10/22/25 17:22	6020B	SW3050
7440-28-0	Thallium	0.40		1	0.023	0.16	mg/Kg	10/21/25 10:45	10/22/25 17:22	6020B	SW3050
7440-62-2	Vanadium	49.9		1	0.018	0.82	mg/Kg	10/21/25 10:45	10/22/25 17:22	6020B	SW3050
7440-66-6	Zinc	370		1	0.15	0.82	mg/Kg	10/21/25 10:45	10/22/25 17:22	6020B	SW3050

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

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S06-000021-20251017
Lab Sample ID: Q3393-04
Level (low/med): low

Date Collected: 10/17/25
Date Received: 10/17/25
SDG No.: Q3393
Matrix: SOIL
% Solid: 56.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	10200		1	0.56	3.12	mg/Kg	10/21/25 10:45	10/22/25 17:25	6020B	SW3050
7440-36-0	Antimony	0.40		1	0.070	0.31	mg/Kg	10/21/25 10:45	10/22/25 17:25	6020B	SW3050
7440-38-2	Arsenic	30.3		1	0.019	0.16	mg/Kg	10/21/25 10:45	10/22/25 17:25	6020B	SW3050
7440-39-3	Barium	227	N	1	0.052	1.56	mg/Kg	10/21/25 10:45	10/22/25 17:25	6020B	SW3050
7440-41-7	Beryllium	0.83		1	0.050	0.16	mg/Kg	10/21/25 10:45	10/22/25 17:25	6020B	SW3050
7440-43-9	Cadmium	7.77		1	0.028	0.16	mg/Kg	10/21/25 10:45	10/22/25 17:25	6020B	SW3050
7440-70-2	Calcium	4990		1	7.48	78.0	mg/Kg	10/21/25 10:45	10/22/25 17:25	6020B	SW3050
7440-47-3	Chromium	311	D	5	0.20	1.56	mg/Kg	10/21/25 10:45	10/22/25 20:22	6020B	SW3050
7440-48-4	Cobalt	9.74		1	0.014	0.16	mg/Kg	10/21/25 10:45	10/22/25 17:25	6020B	SW3050
7440-50-8	Copper	305		1	0.10	0.31	mg/Kg	10/21/25 10:45	10/22/25 17:25	6020B	SW3050
7439-89-6	Iron	28700		1	1.44	7.80	mg/Kg	10/21/25 10:45	10/22/25 17:25	6020B	SW3050
7439-92-1	Lead	413	N	1	0.050	0.16	mg/Kg	10/21/25 10:45	10/22/25 17:25	6020B	SW3050
7439-95-4	Magnesium	5760		1	3.01	78.0	mg/Kg	10/21/25 10:45	10/22/25 17:25	6020B	SW3050
7439-96-5	Manganese	287		1	0.053	0.16	mg/Kg	10/21/25 10:45	10/22/25 17:25	6020B	SW3050
7439-97-6	Mercury	4.12	D	5	0.063	0.11	mg/Kg	10/21/25 11:20	10/22/25 13:20	7471B	7471B
7440-02-0	Nickel	48.8	N	1	0.067	0.16	mg/Kg	10/21/25 10:45	10/22/25 17:25	6020B	SW3050
7440-09-7	Potassium	2130		1	5.99	78.0	mg/Kg	10/21/25 10:45	10/22/25 17:25	6020B	SW3050
7782-49-2	Selenium	1.91	N	1	0.44	0.78	mg/Kg	10/21/25 10:45	10/22/25 17:25	6020B	SW3050
7440-22-4	Silver	7.40	N	1	0.041	0.16	mg/Kg	10/21/25 10:45	10/22/25 17:25	6020B	SW3050
7440-23-5	Sodium	2010		1	11.0	78.0	mg/Kg	10/21/25 10:45	10/22/25 17:25	6020B	SW3050
7440-28-0	Thallium	0.30		1	0.022	0.16	mg/Kg	10/21/25 10:45	10/22/25 17:25	6020B	SW3050
7440-62-2	Vanadium	45.2		1	0.017	0.78	mg/Kg	10/21/25 10:45	10/22/25 17:25	6020B	SW3050
7440-66-6	Zinc	477		1	0.14	0.78	mg/Kg	10/21/25 10:45	10/22/25 17:25	6020B	SW3050

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

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S08-000013-20251017
Lab Sample ID: Q3393-05
Level (low/med): low

Date Collected: 10/17/25
Date Received: 10/17/25
SDG No.: Q3393
Matrix: SOIL
% Solid: 52

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	15700		1	0.58	3.21	mg/Kg	10/21/25 10:45	10/22/25 17:28	6020B	SW3050
7440-36-0	Antimony	0.53		1	0.072	0.32	mg/Kg	10/21/25 10:45	10/22/25 17:28	6020B	SW3050
7440-38-2	Arsenic	48.0	D	5	0.096	0.80	mg/Kg	10/21/25 10:45	10/22/25 20:25	6020B	SW3050
7440-39-3	Barium	331	N	1	0.053	1.60	mg/Kg	10/21/25 10:45	10/22/25 17:28	6020B	SW3050
7440-41-7	Beryllium	1.49		1	0.051	0.16	mg/Kg	10/21/25 10:45	10/22/25 17:28	6020B	SW3050
7440-43-9	Cadmium	17.3		1	0.029	0.16	mg/Kg	10/21/25 10:45	10/22/25 17:28	6020B	SW3050
7440-70-2	Calcium	10900		1	7.68	80.1	mg/Kg	10/21/25 10:45	10/22/25 17:28	6020B	SW3050
7440-47-3	Chromium	618	D	5	0.21	1.60	mg/Kg	10/21/25 10:45	10/22/25 20:25	6020B	SW3050
7440-48-4	Cobalt	17.6		1	0.014	0.16	mg/Kg	10/21/25 10:45	10/22/25 17:28	6020B	SW3050
7440-50-8	Copper	559		1	0.10	0.32	mg/Kg	10/21/25 10:45	10/22/25 17:28	6020B	SW3050
7439-89-6	Iron	51300	D	5	7.37	40.1	mg/Kg	10/21/25 10:45	10/22/25 20:25	6020B	SW3050
7439-92-1	Lead	572	N	1	0.051	0.16	mg/Kg	10/21/25 10:45	10/22/25 17:28	6020B	SW3050
7439-95-4	Magnesium	10700		1	3.09	80.1	mg/Kg	10/21/25 10:45	10/22/25 17:28	6020B	SW3050
7439-96-5	Manganese	412		1	0.054	0.16	mg/Kg	10/21/25 10:45	10/22/25 17:28	6020B	SW3050
7439-97-6	Mercury	5.00	D	10	0.13	0.23	mg/Kg	10/21/25 11:20	10/22/25 13:35	7471B	7471B
7440-02-0	Nickel	120	N	1	0.069	0.16	mg/Kg	10/21/25 10:45	10/22/25 17:28	6020B	SW3050
7440-09-7	Potassium	3780		1	6.15	80.1	mg/Kg	10/21/25 10:45	10/22/25 17:28	6020B	SW3050
7782-49-2	Selenium	2.85	N	1	0.45	0.80	mg/Kg	10/21/25 10:45	10/22/25 17:28	6020B	SW3050
7440-22-4	Silver	7.46	N	1	0.042	0.16	mg/Kg	10/21/25 10:45	10/22/25 17:28	6020B	SW3050
7440-23-5	Sodium	10800		1	11.3	80.1	mg/Kg	10/21/25 10:45	10/22/25 17:28	6020B	SW3050
7440-28-0	Thallium	0.47		1	0.022	0.16	mg/Kg	10/21/25 10:45	10/22/25 17:28	6020B	SW3050
7440-62-2	Vanadium	91.9		1	0.018	0.80	mg/Kg	10/21/25 10:45	10/22/25 17:28	6020B	SW3050
7440-66-6	Zinc	905		1	0.14	0.80	mg/Kg	10/21/25 10:45	10/22/25 17:28	6020B	SW3050

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

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OR = Over Range

N = Spiked sample recovery not within control limits



METAL CALIBRATION DATA

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM

SDG No.: Q3393

Contract: AECO02

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
ICV83	Mercury	3.78	4.0	94	90 - 110	CV	10/22/2025	11:29	LB137610

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM

SDG No.: Q3393

Contract: AECO02

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
CCV71	Mercury	4.98	5.0	100	90 - 110	CV	10/22/2025	11:34	LB137610
CCV72	Mercury	4.71	5.0	94	90 - 110	CV	10/22/2025	12:14	LB137610
CCV73	Mercury	4.89	5.0	98	90 - 110	CV	10/22/2025	12:48	LB137610
CCV74	Mercury	5.24	5.0	105	90 - 110	CV	10/22/2025	13:23	LB137610
CCV75	Mercury	5.38	5.0	108	90 - 110	CV	10/22/2025	14:11	LB137610
CCV76	Mercury	5.22	5.0	104	90 - 110	CV	10/22/2025	14:42	LB137610
CCV77	Mercury	5.43	5.0	109	90 - 110	CV	10/22/2025	14:59	LB137610

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM

SDG No.: Q3393

Contract: AECO02

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
ICV01	Aluminum	1540	1600	96	90 - 110	P	10/22/2025	12:38	LB137619
	Antimony	422	400	106	90 - 110	P	10/22/2025	12:38	LB137619
	Arsenic	362	400	90	90 - 110	P	10/22/2025	12:38	LB137619
	Barium	1640	1600	103	90 - 110	P	10/22/2025	12:38	LB137619
	Beryllium	42.9	40.0	107	90 - 110	P	10/22/2025	12:38	LB137619
	Cadmium	215	200	107	90 - 110	P	10/22/2025	12:38	LB137619
	Calcium	4260	4000	106	90 - 110	P	10/22/2025	12:38	LB137619
	Chromium	160	160	100	90 - 110	P	10/22/2025	12:38	LB137619
	Cobalt	406	400	101	90 - 110	P	10/22/2025	12:38	LB137619
	Copper	189	200	95	90 - 110	P	10/22/2025	12:38	LB137619
	Iron	863	800	108	90 - 110	P	10/22/2025	12:38	LB137619
	Lead	383	400	96	90 - 110	P	10/22/2025	12:38	LB137619
	Magnesium	3720	4000	93	90 - 110	P	10/22/2025	12:38	LB137619
	Manganese	363	400	91	90 - 110	P	10/22/2025	12:38	LB137619
	Nickel	404	400	101	90 - 110	P	10/22/2025	12:38	LB137619
	Potassium	4110	4000	103	90 - 110	P	10/22/2025	12:38	LB137619
	Selenium	417	400	104	90 - 110	P	10/22/2025	12:38	LB137619
	Silver	213	200	106	90 - 110	P	10/22/2025	12:38	LB137619
	Sodium	4030	4000	101	90 - 110	P	10/22/2025	12:38	LB137619
	Thallium	389	400	97	90 - 110	P	10/22/2025	12:38	LB137619
	Vanadium	402	400	101	90 - 110	P	10/22/2025	12:38	LB137619
	Zinc	380	400	95	90 - 110	P	10/22/2025	12:38	LB137619

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM

SDG No.: Q3393

Contract: AECO02

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
LLICV01	Aluminum	20.7	20.0	104	80 - 120	P	10/22/2025	13:12	LB137619
	Antimony	2.09	2.0	104	80 - 120	P	10/22/2025	13:12	LB137619
	Arsenic	1.20	1.0	120	80 - 120	P	10/22/2025	13:12	LB137619
	Barium	9.64	10.0	96	80 - 120	P	10/22/2025	13:12	LB137619
	Beryllium	1.11	1.0	111	80 - 120	P	10/22/2025	13:12	LB137619
	Cadmium	0.81	1.0	81	80 - 120	P	10/22/2025	13:12	LB137619
	Calcium	528	500	106	80 - 120	P	10/22/2025	13:12	LB137619
	Chromium	1.93	2.0	96	80 - 120	P	10/22/2025	13:12	LB137619
	Cobalt	1.03	1.0	103	80 - 120	P	10/22/2025	13:12	LB137619
	Copper	1.95	2.0	98	80 - 120	P	10/22/2025	13:12	LB137619
	Iron	59.8	50.0	120	80 - 120	P	10/22/2025	13:12	LB137619
	Lead	0.82	1.0	82	80 - 120	P	10/22/2025	13:12	LB137619
	Magnesium	479	500	96	80 - 120	P	10/22/2025	13:12	LB137619
	Manganese	1.03	1.0	103	80 - 120	P	10/22/2025	13:12	LB137619
	Nickel	1.07	1.0	107	80 - 120	P	10/22/2025	13:12	LB137619
	Potassium	524	500	105	80 - 120	P	10/22/2025	13:12	LB137619
	Selenium	4.39	5.0	88	80 - 120	P	10/22/2025	13:12	LB137619
	Silver	1.10	1.0	110	80 - 120	P	10/22/2025	13:12	LB137619
	Sodium	492	500	98	80 - 120	P	10/22/2025	13:12	LB137619
	Thallium	0.95	1.0	95	80 - 120	P	10/22/2025	13:12	LB137619
	Vanadium	4.93	5.0	99	80 - 120	P	10/22/2025	13:12	LB137619
	Zinc	5.69	5.0	114	80 - 120	P	10/22/2025	13:12	LB137619

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM

SDG No.: Q3393

Contract: AECO02

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
CCV01	Aluminum	50200	50000	100	90 - 110	P	10/22/2025	13:27	LB137619
	Antimony	504	500	101	90 - 110	P	10/22/2025	13:27	LB137619
	Arsenic	491	500	98	90 - 110	P	10/22/2025	13:27	LB137619
	Barium	2490	2500	100	90 - 110	P	10/22/2025	13:27	LB137619
	Beryllium	490	500	98	90 - 110	P	10/22/2025	13:27	LB137619
	Cadmium	482	500	96	90 - 110	P	10/22/2025	13:27	LB137619
	Calcium	241000	250000	96	90 - 110	P	10/22/2025	13:27	LB137619
	Chromium	489	500	98	90 - 110	P	10/22/2025	13:27	LB137619
	Cobalt	499	500	100	90 - 110	P	10/22/2025	13:27	LB137619
	Copper	4850	5000	97	90 - 110	P	10/22/2025	13:27	LB137619
	Iron	129000	125000	103	90 - 110	P	10/22/2025	13:27	LB137619
	Lead	2470	2500	99	90 - 110	P	10/22/2025	13:27	LB137619
	Magnesium	252000	250000	101	90 - 110	P	10/22/2025	13:27	LB137619
	Manganese	4970	5000	99	90 - 110	P	10/22/2025	13:27	LB137619
	Nickel	481	500	96	90 - 110	P	10/22/2025	13:27	LB137619
	Potassium	126000	125000	101	90 - 110	P	10/22/2025	13:27	LB137619
	Selenium	460	500	92	90 - 110	P	10/22/2025	13:27	LB137619
	Silver	495	500	99	90 - 110	P	10/22/2025	13:27	LB137619
	Sodium	252000	250000	101	90 - 110	P	10/22/2025	13:27	LB137619
	Thallium	502	500	100	90 - 110	P	10/22/2025	13:27	LB137619
	Vanadium	506	500	101	90 - 110	P	10/22/2025	13:27	LB137619
	Zinc	4780	5000	96	90 - 110	P	10/22/2025	13:27	LB137619
CCV02	Aluminum	50600	50000	101	90 - 110	P	10/22/2025	14:11	LB137619
	Antimony	515	500	103	90 - 110	P	10/22/2025	14:11	LB137619
	Arsenic	488	500	98	90 - 110	P	10/22/2025	14:11	LB137619
	Barium	2590	2500	104	90 - 110	P	10/22/2025	14:11	LB137619
	Beryllium	504	500	101	90 - 110	P	10/22/2025	14:11	LB137619
	Cadmium	497	500	99	90 - 110	P	10/22/2025	14:11	LB137619
	Calcium	251000	250000	100	90 - 110	P	10/22/2025	14:11	LB137619
	Chromium	494	500	99	90 - 110	P	10/22/2025	14:11	LB137619
	Cobalt	494	500	99	90 - 110	P	10/22/2025	14:11	LB137619
	Copper	4940	5000	99	90 - 110	P	10/22/2025	14:11	LB137619
	Iron	129000	125000	103	90 - 110	P	10/22/2025	14:11	LB137619
	Lead	2550	2500	102	90 - 110	P	10/22/2025	14:11	LB137619

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM
Contract: AECO02
Initial Calibration Source: EPA
Continuing Calibration Source: PLASMA-PURE

SDG No.: Q3393
Lab Code: ACE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	252000	250000	101	90 - 110	P	10/22/2025	14:11	LB137619
	Manganese	5010	5000	100	90 - 110	P	10/22/2025	14:11	LB137619
	Nickel	486	500	97	90 - 110	P	10/22/2025	14:11	LB137619
	Potassium	128000	125000	102	90 - 110	P	10/22/2025	14:11	LB137619
	Selenium	469	500	94	90 - 110	P	10/22/2025	14:11	LB137619
	Silver	511	500	102	90 - 110	P	10/22/2025	14:11	LB137619
	Sodium	254000	250000	102	90 - 110	P	10/22/2025	14:11	LB137619
	Thallium	527	500	106	90 - 110	P	10/22/2025	14:11	LB137619
	Vanadium	507	500	101	90 - 110	P	10/22/2025	14:11	LB137619
	Zinc	4770	5000	96	90 - 110	P	10/22/2025	14:11	LB137619
CCV03	Aluminum	49800	50000	100	90 - 110	P	10/22/2025	14:54	LB137619
	Antimony	522	500	104	90 - 110	P	10/22/2025	14:54	LB137619
	Arsenic	493	500	99	90 - 110	P	10/22/2025	14:54	LB137619
	Barium	2570	2500	103	90 - 110	P	10/22/2025	14:54	LB137619
	Beryllium	511	500	102	90 - 110	P	10/22/2025	14:54	LB137619
	Cadmium	504	500	101	90 - 110	P	10/22/2025	14:54	LB137619
	Calcium	256000	250000	102	90 - 110	P	10/22/2025	14:54	LB137619
	Chromium	494	500	99	90 - 110	P	10/22/2025	14:54	LB137619
	Cobalt	496	500	99	90 - 110	P	10/22/2025	14:54	LB137619
	Copper	4940	5000	99	90 - 110	P	10/22/2025	14:54	LB137619
	Iron	130000	125000	104	90 - 110	P	10/22/2025	14:54	LB137619
	Lead	2570	2500	103	90 - 110	P	10/22/2025	14:54	LB137619
	Magnesium	254000	250000	102	90 - 110	P	10/22/2025	14:54	LB137619
	Manganese	5110	5000	102	90 - 110	P	10/22/2025	14:54	LB137619
	Nickel	484	500	97	90 - 110	P	10/22/2025	14:54	LB137619
	Potassium	126000	125000	101	90 - 110	P	10/22/2025	14:54	LB137619
	Selenium	480	500	96	90 - 110	P	10/22/2025	14:54	LB137619
	Silver	522	500	104	90 - 110	P	10/22/2025	14:54	LB137619
	Sodium	251000	250000	100	90 - 110	P	10/22/2025	14:54	LB137619
	Thallium	524	500	105	90 - 110	P	10/22/2025	14:54	LB137619
CCV04	Vanadium	508	500	102	90 - 110	P	10/22/2025	14:54	LB137619
	Zinc	4800	5000	96	90 - 110	P	10/22/2025	14:54	LB137619
	Aluminum	51200	50000	102	90 - 110	P	10/22/2025	15:45	LB137619
	Antimony	514	500	103	90 - 110	P	10/22/2025	15:45	LB137619

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM
Contract: AECO02
Initial Calibration Source: EPA
Continuing Calibration Source: PLASMA-PURE

SDG No.: Q3393
Lab Code: ACE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Arsenic	493	500	99	90 - 110	P	10/22/2025	15:45	LB137619
	Barium	2560	2500	102	90 - 110	P	10/22/2025	15:45	LB137619
	Beryllium	511	500	102	90 - 110	P	10/22/2025	15:45	LB137619
	Cadmium	497	500	99	90 - 110	P	10/22/2025	15:45	LB137619
	Calcium	257000	250000	103	90 - 110	P	10/22/2025	15:45	LB137619
	Chromium	505	500	101	90 - 110	P	10/22/2025	15:45	LB137619
	Cobalt	497	500	99	90 - 110	P	10/22/2025	15:45	LB137619
	Copper	5000	5000	100	90 - 110	P	10/22/2025	15:45	LB137619
	Iron	131000	125000	105	90 - 110	P	10/22/2025	15:45	LB137619
	Lead	2530	2500	101	90 - 110	P	10/22/2025	15:45	LB137619
	Magnesium	253000	250000	101	90 - 110	P	10/22/2025	15:45	LB137619
	Manganese	5090	5000	102	90 - 110	P	10/22/2025	15:45	LB137619
	Nickel	487	500	98	90 - 110	P	10/22/2025	15:45	LB137619
	Potassium	128000	125000	102	90 - 110	P	10/22/2025	15:45	LB137619
	Selenium	480	500	96	90 - 110	P	10/22/2025	15:45	LB137619
	Silver	513	500	103	90 - 110	P	10/22/2025	15:45	LB137619
	Sodium	253000	250000	101	90 - 110	P	10/22/2025	15:45	LB137619
	Thallium	522	500	104	90 - 110	P	10/22/2025	15:45	LB137619
	Vanadium	508	500	102	90 - 110	P	10/22/2025	15:45	LB137619
	Zinc	4860	5000	97	90 - 110	P	10/22/2025	15:45	LB137619
CCV05	Aluminum	50100	50000	100	90 - 110	P	10/22/2025	16:46	LB137619
	Antimony	513	500	103	90 - 110	P	10/22/2025	16:46	LB137619
	Arsenic	488	500	98	90 - 110	P	10/22/2025	16:46	LB137619
	Barium	2570	2500	103	90 - 110	P	10/22/2025	16:46	LB137619
	Beryllium	490	500	98	90 - 110	P	10/22/2025	16:46	LB137619
	Cadmium	493	500	99	90 - 110	P	10/22/2025	16:46	LB137619
	Calcium	248000	250000	99	90 - 110	P	10/22/2025	16:46	LB137619
	Chromium	496	500	99	90 - 110	P	10/22/2025	16:46	LB137619
	Cobalt	498	500	100	90 - 110	P	10/22/2025	16:46	LB137619
	Copper	4940	5000	99	90 - 110	P	10/22/2025	16:46	LB137619
	Iron	131000	125000	104	90 - 110	P	10/22/2025	16:46	LB137619
	Lead	2580	2500	103	90 - 110	P	10/22/2025	16:46	LB137619
	Magnesium	250000	250000	100	90 - 110	P	10/22/2025	16:46	LB137619
	Manganese	4980	5000	100	90 - 110	P	10/22/2025	16:46	LB137619

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM
Contract: AECO02
Initial Calibration Source: EPA
Continuing Calibration Source: PLASMA-PURE

SDG No.: Q3393
Lab Code: ACE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Nickel	481	500	96	90 - 110	P	10/22/2025	16:46	LB137619
	Potassium	126000	125000	101	90 - 110	P	10/22/2025	16:46	LB137619
	Selenium	473	500	95	90 - 110	P	10/22/2025	16:46	LB137619
	Silver	508	500	102	90 - 110	P	10/22/2025	16:46	LB137619
	Sodium	252000	250000	101	90 - 110	P	10/22/2025	16:46	LB137619
	Thallium	518	500	104	90 - 110	P	10/22/2025	16:46	LB137619
	Vanadium	503	500	101	90 - 110	P	10/22/2025	16:46	LB137619
	Zinc	4810	5000	96	90 - 110	P	10/22/2025	16:46	LB137619
CCV06	Aluminum	50300	50000	101	90 - 110	P	10/22/2025	17:59	LB137619
	Antimony	490	500	98	90 - 110	P	10/22/2025	17:59	LB137619
	Arsenic	484	500	97	90 - 110	P	10/22/2025	17:59	LB137619
	Barium	2460	2500	98	90 - 110	P	10/22/2025	17:59	LB137619
	Beryllium	514	500	103	90 - 110	P	10/22/2025	17:59	LB137619
	Cadmium	468	500	94	90 - 110	P	10/22/2025	17:59	LB137619
	Calcium	255000	250000	102	90 - 110	P	10/22/2025	17:59	LB137619
	Chromium	494	500	99	90 - 110	P	10/22/2025	17:59	LB137619
	Cobalt	495	500	99	90 - 110	P	10/22/2025	17:59	LB137619
	Copper	4930	5000	99	90 - 110	P	10/22/2025	17:59	LB137619
	Iron	130000	125000	104	90 - 110	P	10/22/2025	17:59	LB137619
	Lead	2550	2500	102	90 - 110	P	10/22/2025	17:59	LB137619
	Magnesium	256000	250000	102	90 - 110	P	10/22/2025	17:59	LB137619
	Manganese	5040	5000	101	90 - 110	P	10/22/2025	17:59	LB137619
	Nickel	481	500	96	90 - 110	P	10/22/2025	17:59	LB137619
	Potassium	125000	125000	100	90 - 110	P	10/22/2025	17:59	LB137619
	Selenium	470	500	94	90 - 110	P	10/22/2025	17:59	LB137619
	Silver	484	500	97	90 - 110	P	10/22/2025	17:59	LB137619
	Sodium	252000	250000	101	90 - 110	P	10/22/2025	17:59	LB137619
	Thallium	510	500	102	90 - 110	P	10/22/2025	17:59	LB137619
	Vanadium	503	500	101	90 - 110	P	10/22/2025	17:59	LB137619
	Zinc	4870	5000	98	90 - 110	P	10/22/2025	17:59	LB137619
CCV07	Aluminum	49700	50000	99	90 - 110	P	10/22/2025	18:41	LB137619
	Antimony	505	500	101	90 - 110	P	10/22/2025	18:41	LB137619
	Arsenic	487	500	97	90 - 110	P	10/22/2025	18:41	LB137619
	Barium	2530	2500	101	90 - 110	P	10/22/2025	18:41	LB137619

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM
Contract: AECO02
Initial Calibration Source: EPA
Continuing Calibration Source: PLASMA-PURE

SDG No.: Q3393
Lab Code: ACE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV07	Beryllium	504	500	101	90 - 110	P	10/22/2025	18:41	LB137619
	Cadmium	484	500	97	90 - 110	P	10/22/2025	18:41	LB137619
	Calcium	256000	250000	102	90 - 110	P	10/22/2025	18:41	LB137619
	Chromium	496	500	99	90 - 110	P	10/22/2025	18:41	LB137619
	Cobalt	497	500	99	90 - 110	P	10/22/2025	18:41	LB137619
	Copper	5000	5000	100	90 - 110	P	10/22/2025	18:41	LB137619
	Iron	132000	125000	105	90 - 110	P	10/22/2025	18:41	LB137619
	Lead	2550	2500	102	90 - 110	P	10/22/2025	18:41	LB137619
	Magnesium	253000	250000	101	90 - 110	P	10/22/2025	18:41	LB137619
	Manganese	5030	5000	101	90 - 110	P	10/22/2025	18:41	LB137619
	Nickel	482	500	96	90 - 110	P	10/22/2025	18:41	LB137619
	Potassium	126000	125000	101	90 - 110	P	10/22/2025	18:41	LB137619
	Selenium	467	500	93	90 - 110	P	10/22/2025	18:41	LB137619
	Silver	500	500	100	90 - 110	P	10/22/2025	18:41	LB137619
	Sodium	253000	250000	101	90 - 110	P	10/22/2025	18:41	LB137619
	Thallium	530	500	106	90 - 110	P	10/22/2025	18:41	LB137619
	Vanadium	502	500	100	90 - 110	P	10/22/2025	18:41	LB137619
	Zinc	4890	5000	98	90 - 110	P	10/22/2025	18:41	LB137619
CCV08	Aluminum	50200	50000	100	90 - 110	P	10/22/2025	19:44	LB137619
	Antimony	512	500	102	90 - 110	P	10/22/2025	19:44	LB137619
	Arsenic	486	500	97	90 - 110	P	10/22/2025	19:44	LB137619
	Barium	2540	2500	102	90 - 110	P	10/22/2025	19:44	LB137619
	Beryllium	513	500	102	90 - 110	P	10/22/2025	19:44	LB137619
	Cadmium	483	500	97	90 - 110	P	10/22/2025	19:44	LB137619
	Calcium	256000	250000	103	90 - 110	P	10/22/2025	19:44	LB137619
	Chromium	504	500	101	90 - 110	P	10/22/2025	19:44	LB137619
	Cobalt	508	500	102	90 - 110	P	10/22/2025	19:44	LB137619
	Copper	5120	5000	102	90 - 110	P	10/22/2025	19:44	LB137619
	Iron	132000	125000	106	90 - 110	P	10/22/2025	19:44	LB137619
	Lead	2560	2500	102	90 - 110	P	10/22/2025	19:44	LB137619
	Magnesium	255000	250000	102	90 - 110	P	10/22/2025	19:44	LB137619
	Manganese	5090	5000	102	90 - 110	P	10/22/2025	19:44	LB137619
	Nickel	492	500	98	90 - 110	P	10/22/2025	19:44	LB137619
	Potassium	128000	125000	102	90 - 110	P	10/22/2025	19:44	LB137619

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM

Contract: AECO02

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

SDG No.: Q3393

Lab Code: ACE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV08	Selenium	473	500	95	90 - 110	P	10/22/2025	19:44	LB137619
	Silver	504	500	101	90 - 110	P	10/22/2025	19:44	LB137619
	Sodium	256000	250000	102	90 - 110	P	10/22/2025	19:44	LB137619
	Thallium	525	500	105	90 - 110	P	10/22/2025	19:44	LB137619
	Vanadium	510	500	102	90 - 110	P	10/22/2025	19:44	LB137619
	Zinc	4950	5000	99	90 - 110	P	10/22/2025	19:44	LB137619
CCV09	Aluminum	52600	50000	105	90 - 110	P	10/22/2025	20:28	LB137619
	Antimony	536	500	107	90 - 110	P	10/22/2025	20:28	LB137619
	Arsenic	508	500	102	90 - 110	P	10/22/2025	20:28	LB137619
	Barium	2660	2500	106	90 - 110	P	10/22/2025	20:28	LB137619
	Beryllium	534	500	107	90 - 110	P	10/22/2025	20:28	LB137619
	Cadmium	504	500	101	90 - 110	P	10/22/2025	20:28	LB137619
	Calcium	261000	250000	104	90 - 110	P	10/22/2025	20:28	LB137619
	Chromium	521	500	104	90 - 110	P	10/22/2025	20:28	LB137619
	Cobalt	527	500	105	90 - 110	P	10/22/2025	20:28	LB137619
	Copper	5240	5000	105	90 - 110	P	10/22/2025	20:28	LB137619
	Iron	137000	125000	109	90 - 110	P	10/22/2025	20:28	LB137619
	Lead	2650	2500	106	90 - 110	P	10/22/2025	20:28	LB137619
	Magnesium	263000	250000	105	90 - 110	P	10/22/2025	20:28	LB137619
	Manganese	5330	5000	107	90 - 110	P	10/22/2025	20:28	LB137619
	Nickel	507	500	102	90 - 110	P	10/22/2025	20:28	LB137619
	Potassium	130000	125000	104	90 - 110	P	10/22/2025	20:28	LB137619
	Selenium	489	500	98	90 - 110	P	10/22/2025	20:28	LB137619
	Silver	530	500	106	90 - 110	P	10/22/2025	20:28	LB137619
	Sodium	262000	250000	105	90 - 110	P	10/22/2025	20:28	LB137619
	Thallium	542	500	108	90 - 110	P	10/22/2025	20:28	LB137619
	Vanadium	529	500	106	90 - 110	P	10/22/2025	20:28	LB137619
	Zinc	5160	5000	103	90 - 110	P	10/22/2025	20:28	LB137619
CCV10	Aluminum	50800	50000	102	90 - 110	P	10/22/2025	21:03	LB137619
	Antimony	520	500	104	90 - 110	P	10/22/2025	21:03	LB137619
	Arsenic	496	500	99	90 - 110	P	10/22/2025	21:03	LB137619
	Barium	2600	2500	104	90 - 110	P	10/22/2025	21:03	LB137619
	Beryllium	519	500	104	90 - 110	P	10/22/2025	21:03	LB137619
	Cadmium	492	500	98	90 - 110	P	10/22/2025	21:03	LB137619

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM

SDG No.: Q3393

Contract: AECO02

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
CCV10	Calcium	256000	250000	102	90 - 110	P	10/22/2025	21:03	LB137619
	Chromium	516	500	103	90 - 110	P	10/22/2025	21:03	LB137619
	Cobalt	528	500	106	90 - 110	P	10/22/2025	21:03	LB137619
	Copper	5240	5000	105	90 - 110	P	10/22/2025	21:03	LB137619
	Iron	137000	125000	110	90 - 110	P	10/22/2025	21:03	LB137619
	Lead	2650	2500	106	90 - 110	P	10/22/2025	21:03	LB137619
	Magnesium	259000	250000	104	90 - 110	P	10/22/2025	21:03	LB137619
	Manganese	5280	5000	106	90 - 110	P	10/22/2025	21:03	LB137619
	Nickel	501	500	100	90 - 110	P	10/22/2025	21:03	LB137619
	Potassium	130000	125000	104	90 - 110	P	10/22/2025	21:03	LB137619
	Selenium	495	500	99	90 - 110	P	10/22/2025	21:03	LB137619
	Silver	516	500	103	90 - 110	P	10/22/2025	21:03	LB137619
	Sodium	260000	250000	104	90 - 110	P	10/22/2025	21:03	LB137619
	Thallium	535	500	107	90 - 110	P	10/22/2025	21:03	LB137619
	Vanadium	527	500	106	90 - 110	P	10/22/2025	21:03	LB137619
	Zinc	5100	5000	102	90 - 110	P	10/22/2025	21:03	LB137619

Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: AECOM

SDG No.: Q3393

Contract: AECO02

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
CRA	Mercury	0.17	0.2	86	70 - 130	CV	10/22/2025	11:39	LB137610
CRI01	Aluminum	20.9	20.0	105	70 - 130	P	10/22/2025	13:33	LB137619
	Antimony	2.06	2.0	103	70 - 130	P	10/22/2025	13:33	LB137619
	Arsenic	1.12	1.0	112	70 - 130	P	10/22/2025	13:33	LB137619
	Barium	9.63	10.0	96	70 - 130	P	10/22/2025	13:33	LB137619
	Beryllium	1.08	1.0	108	70 - 130	P	10/22/2025	13:33	LB137619
	Cadmium	0.86	1.0	86	70 - 130	P	10/22/2025	13:33	LB137619
	Calcium	532	500	106	70 - 130	P	10/22/2025	13:33	LB137619
	Chromium	1.99	2.0	100	70 - 130	P	10/22/2025	13:33	LB137619
	Cobalt	1.05	1.0	105	50 - 150	P	10/22/2025	13:33	LB137619
	Copper	2.06	2.0	103	70 - 130	P	10/22/2025	13:33	LB137619
	Iron	60.0	50.0	120	70 - 130	P	10/22/2025	13:33	LB137619
	Lead	0.86	1.0	86	70 - 130	P	10/22/2025	13:33	LB137619
	Magnesium	489	500	98	70 - 130	P	10/22/2025	13:33	LB137619
	Manganese	1.05	1.0	105	50 - 150	P	10/22/2025	13:33	LB137619
	Nickel	1.13	1.0	113	70 - 130	P	10/22/2025	13:33	LB137619
	Potassium	537	500	108	70 - 130	P	10/22/2025	13:33	LB137619
	Selenium	4.66	5.0	93	70 - 130	P	10/22/2025	13:33	LB137619
	Silver	1.12	1.0	112	70 - 130	P	10/22/2025	13:33	LB137619
	Sodium	532	500	106	70 - 130	P	10/22/2025	13:33	LB137619
	Thallium	1.00	1.0	100	70 - 130	P	10/22/2025	13:33	LB137619
	Vanadium	4.93	5.0	99	70 - 130	P	10/22/2025	13:33	LB137619
	Zinc	5.85	5.0	117	50 - 150	P	10/22/2025	13:33	LB137619



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:

AECOM

SDG No.:

Q3393

Contract:

AECO02

Lab Code:

ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB83	Mercury	0.076	+/-0.2	U	0.20	CV	10/22/2025	11:31	LB137610

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM

SDG No.: Q3393

Contract: AECO02

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB71	Mercury	0.076	+/-0.2	U	0.20	CV	10/22/2025	11:36	LB137610
CCB72	Mercury	0.076	+/-0.2	U	0.20	CV	10/22/2025	12:16	LB137610
CCB73	Mercury	0.076	+/-0.2	U	0.20	CV	10/22/2025	12:54	LB137610
CCB74	Mercury	0.076	+/-0.2	U	0.20	CV	10/22/2025	13:26	LB137610
CCB75	Mercury	0.076	+/-0.2	U	0.20	CV	10/22/2025	14:13	LB137610
CCB76	Mercury	0.076	+/-0.2	U	0.20	CV	10/22/2025	14:44	LB137610
CCB77	Mercury	0.076	+/-0.2	U	0.20	CV	10/22/2025	15:02	LB137610

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM

SDG No.: Q3393

Contract: AECO02

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	1.94	+/-10	U	20.0	P	10/22/2025	13:16	LB137619
	Antimony	0.11	+/-1	U	2.00	P	10/22/2025	13:16	LB137619
	Arsenic	0.089	+/-0.5	U	1.00	P	10/22/2025	13:16	LB137619
	Barium	0.21	+/-5	U	10.0	P	10/22/2025	13:16	LB137619
	Beryllium	0.32	+/-0.5	U	1.00	P	10/22/2025	13:16	LB137619
	Cadmium	0.34	+/-0.5	U	1.00	P	10/22/2025	13:16	LB137619
	Calcium	45.7	+/-250	U	500	P	10/22/2025	13:16	LB137619
	Chromium	0.21	+/-1	U	2.00	P	10/22/2025	13:16	LB137619
	Cobalt	0.070	+/-0.5	U	1.00	P	10/22/2025	13:16	LB137619
	Copper	0.30	+/-1	U	2.00	P	10/22/2025	13:16	LB137619
	Iron	7.81	+/-25	U	50.0	P	10/22/2025	13:16	LB137619
	Lead	0.21	+/-0.5	U	1.00	P	10/22/2025	13:16	LB137619
	Magnesium	19.5	+/-250	U	500	P	10/22/2025	13:16	LB137619
	Manganese	0.43	+/-0.5	U	1.00	P	10/22/2025	13:16	LB137619
	Nickel	0.27	+/-0.5	U	1.00	P	10/22/2025	13:16	LB137619
	Potassium	36.4	+/-250	U	500	P	10/22/2025	13:16	LB137619
	Selenium	2.90	+/-2.5	U	5.00	P	10/22/2025	13:16	LB137619
	Silver	0.060	+/-0.5	U	1.00	P	10/22/2025	13:16	LB137619
	Sodium	128	+/-250	U	500	P	10/22/2025	13:16	LB137619
	Thallium	0.060	+/-0.5	U	1.00	P	10/22/2025	13:16	LB137619
	Vanadium	0.077	+/-2.5	U	5.00	P	10/22/2025	13:16	LB137619
	Zinc	1.25	+/-2.5	U	5.00	P	10/22/2025	13:16	LB137619

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3393
Contract: AECO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	1.94	+/-10	U	20.0	P	10/22/2025	13:30	LB137619
	Antimony	0.17	+/-1	J	2.00	P	10/22/2025	13:30	LB137619
	Arsenic	0.089	+/-0.5	U	1.00	P	10/22/2025	13:30	LB137619
	Barium	0.21	+/-5	U	10.0	P	10/22/2025	13:30	LB137619
	Beryllium	0.32	+/-0.5	U	1.00	P	10/22/2025	13:30	LB137619
	Cadmium	0.34	+/-0.5	U	1.00	P	10/22/2025	13:30	LB137619
	Calcium	45.7	+/-250	U	500	P	10/22/2025	13:30	LB137619
	Chromium	0.21	+/-1	U	2.00	P	10/22/2025	13:30	LB137619
	Cobalt	0.070	+/-0.5	U	1.00	P	10/22/2025	13:30	LB137619
	Copper	0.30	+/-1	U	2.00	P	10/22/2025	13:30	LB137619
	Iron	7.81	+/-25	U	50.0	P	10/22/2025	13:30	LB137619
	Lead	0.21	+/-0.5	U	1.00	P	10/22/2025	13:30	LB137619
	Magnesium	19.5	+/-250	U	500	P	10/22/2025	13:30	LB137619
	Manganese	0.43	+/-0.5	U	1.00	P	10/22/2025	13:30	LB137619
	Nickel	0.27	+/-0.5	U	1.00	P	10/22/2025	13:30	LB137619
	Potassium	36.4	+/-250	U	500	P	10/22/2025	13:30	LB137619
	Selenium	2.90	+/-2.5	U	5.00	P	10/22/2025	13:30	LB137619
	Silver	0.060	+/-0.5	U	1.00	P	10/22/2025	13:30	LB137619
	Sodium	128	+/-250	U	500	P	10/22/2025	13:30	LB137619
	Thallium	0.080	+/-0.5	J	1.00	P	10/22/2025	13:30	LB137619
	Vanadium	0.077	+/-2.5	U	5.00	P	10/22/2025	13:30	LB137619
	Zinc	1.25	+/-2.5	U	5.00	P	10/22/2025	13:30	LB137619
CCB02	Aluminum	1.94	+/-10	U	20.0	P	10/22/2025	14:18	LB137619
	Antimony	0.11	+/-1	U	2.00	P	10/22/2025	14:18	LB137619
	Arsenic	0.089	+/-0.5	U	1.00	P	10/22/2025	14:18	LB137619
	Barium	0.21	+/-5	U	10.0	P	10/22/2025	14:18	LB137619
	Beryllium	0.32	+/-0.5	U	1.00	P	10/22/2025	14:18	LB137619
	Cadmium	0.34	+/-0.5	U	1.00	P	10/22/2025	14:18	LB137619
	Calcium	45.7	+/-250	U	500	P	10/22/2025	14:18	LB137619
	Chromium	0.21	+/-1	U	2.00	P	10/22/2025	14:18	LB137619
	Cobalt	0.070	+/-0.5	U	1.00	P	10/22/2025	14:18	LB137619
	Copper	0.30	+/-1	U	2.00	P	10/22/2025	14:18	LB137619
	Iron	7.81	+/-25	U	50.0	P	10/22/2025	14:18	LB137619
	Lead	0.21	+/-0.5	U	1.00	P	10/22/2025	14:18	LB137619
	Magnesium	19.5	+/-250	U	500	P	10/22/2025	14:18	LB137619
	Manganese	0.43	+/-0.5	U	1.00	P	10/22/2025	14:18	LB137619
	Nickel	0.27	+/-0.5	U	1.00	P	10/22/2025	14:18	LB137619
	Potassium	36.4	+/-250	U	500	P	10/22/2025	14:18	LB137619
	Selenium	2.90	+/-2.5	U	5.00	P	10/22/2025	14:18	LB137619

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM

SDG No.: Q3393

Contract: AECO02

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	0.060	+/-0.5	U	1.00	P	10/22/2025	14:18	LB137619
	Sodium	128	+/-250	U	500	P	10/22/2025	14:18	LB137619
	Thallium	0.060	+/-0.5	U	1.00	P	10/22/2025	14:18	LB137619
	Vanadium	0.077	+/-2.5	U	5.00	P	10/22/2025	14:18	LB137619
	Zinc	1.25	+/-2.5	U	5.00	P	10/22/2025	14:18	LB137619
CCB03	Aluminum	1.94	+/-10	U	20.0	P	10/22/2025	15:05	LB137619
	Antimony	0.11	+/-1	U	2.00	P	10/22/2025	15:05	LB137619
	Arsenic	0.089	+/-0.5	U	1.00	P	10/22/2025	15:05	LB137619
	Barium	0.21	+/-5	U	10.0	P	10/22/2025	15:05	LB137619
	Beryllium	0.32	+/-0.5	U	1.00	P	10/22/2025	15:05	LB137619
	Cadmium	0.34	+/-0.5	U	1.00	P	10/22/2025	15:05	LB137619
	Calcium	45.7	+/-250	U	500	P	10/22/2025	15:05	LB137619
	Chromium	0.21	+/-1	U	2.00	P	10/22/2025	15:05	LB137619
	Cobalt	0.070	+/-0.5	U	1.00	P	10/22/2025	15:05	LB137619
	Copper	0.30	+/-1	U	2.00	P	10/22/2025	15:05	LB137619
	Iron	7.81	+/-25	U	50.0	P	10/22/2025	15:05	LB137619
	Lead	0.21	+/-0.5	U	1.00	P	10/22/2025	15:05	LB137619
	Magnesium	19.5	+/-250	U	500	P	10/22/2025	15:05	LB137619
	Manganese	0.43	+/-0.5	U	1.00	P	10/22/2025	15:05	LB137619
	Nickel	0.27	+/-0.5	U	1.00	P	10/22/2025	15:05	LB137619
	Potassium	36.4	+/-250	U	500	P	10/22/2025	15:05	LB137619
	Selenium	2.90	+/-2.5	U	5.00	P	10/22/2025	15:05	LB137619
	Silver	0.060	+/-0.5	U	1.00	P	10/22/2025	15:05	LB137619
	Sodium	128	+/-250	U	500	P	10/22/2025	15:05	LB137619
	Thallium	0.060	+/-0.5	U	1.00	P	10/22/2025	15:05	LB137619
	Vanadium	0.077	+/-2.5	U	5.00	P	10/22/2025	15:05	LB137619
	Zinc	1.25	+/-2.5	U	5.00	P	10/22/2025	15:05	LB137619
CCB04	Aluminum	1.94	+/-10	U	20.0	P	10/22/2025	16:00	LB137619
	Antimony	0.11	+/-1	U	2.00	P	10/22/2025	16:00	LB137619
	Arsenic	0.089	+/-0.5	U	1.00	P	10/22/2025	16:00	LB137619
	Barium	0.21	+/-5	U	10.0	P	10/22/2025	16:00	LB137619
	Beryllium	0.32	+/-0.5	U	1.00	P	10/22/2025	16:00	LB137619
	Cadmium	0.34	+/-0.5	U	1.00	P	10/22/2025	16:00	LB137619
	Calcium	45.7	+/-250	U	500	P	10/22/2025	16:00	LB137619
	Chromium	0.21	+/-1	U	2.00	P	10/22/2025	16:00	LB137619
	Cobalt	0.070	+/-0.5	U	1.00	P	10/22/2025	16:00	LB137619
	Copper	0.30	+/-1	U	2.00	P	10/22/2025	16:00	LB137619
	Iron	7.81	+/-25	U	50.0	P	10/22/2025	16:00	LB137619
	Lead	0.21	+/-0.5	U	1.00	P	10/22/2025	16:00	LB137619



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Client: AECOM

Contract: AECO02

SDG No.: Q3393

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	19.5	+/-250	U	500	P	10/22/2025	16:00	LB137619
	Manganese	0.43	+/-0.5	U	1.00	P	10/22/2025	16:00	LB137619
	Nickel	0.27	+/-0.5	U	1.00	P	10/22/2025	16:00	LB137619
	Potassium	36.4	+/-250	U	500	P	10/22/2025	16:00	LB137619
	Selenium	2.90	+/-2.5	U	5.00	P	10/22/2025	16:00	LB137619
	Silver	0.060	+/-0.5	U	1.00	P	10/22/2025	16:00	LB137619
	Sodium	128	+/-250	U	500	P	10/22/2025	16:00	LB137619
	Thallium	0.060	+/-0.5	U	1.00	P	10/22/2025	16:00	LB137619
	Vanadium	0.077	+/-2.5	U	5.00	P	10/22/2025	16:00	LB137619
	Zinc	1.25	+/-2.5	U	5.00	P	10/22/2025	16:00	LB137619
CCB05	Aluminum	1.94	+/-10	U	20.0	P	10/22/2025	16:55	LB137619
	Antimony	0.11	+/-1	U	2.00	P	10/22/2025	16:55	LB137619
	Arsenic	0.089	+/-0.5	U	1.00	P	10/22/2025	16:55	LB137619
	Barium	0.21	+/-5	U	10.0	P	10/22/2025	16:55	LB137619
	Beryllium	0.32	+/-0.5	U	1.00	P	10/22/2025	16:55	LB137619
	Cadmium	0.34	+/-0.5	U	1.00	P	10/22/2025	16:55	LB137619
	Calcium	45.7	+/-250	U	500	P	10/22/2025	16:55	LB137619
	Chromium	0.21	+/-1	U	2.00	P	10/22/2025	16:55	LB137619
	Cobalt	0.070	+/-0.5	U	1.00	P	10/22/2025	16:55	LB137619
	Copper	0.30	+/-1	U	2.00	P	10/22/2025	16:55	LB137619
	Iron	7.81	+/-25	U	50.0	P	10/22/2025	16:55	LB137619
	Lead	0.21	+/-0.5	U	1.00	P	10/22/2025	16:55	LB137619
	Magnesium	19.5	+/-250	U	500	P	10/22/2025	16:55	LB137619
	Manganese	0.43	+/-0.5	U	1.00	P	10/22/2025	16:55	LB137619
	Nickel	0.27	+/-0.5	U	1.00	P	10/22/2025	16:55	LB137619
	Potassium	36.4	+/-250	U	500	P	10/22/2025	16:55	LB137619
	Selenium	2.90	+/-2.5	U	5.00	P	10/22/2025	16:55	LB137619
	Silver	0.060	+/-0.5	U	1.00	P	10/22/2025	16:55	LB137619
	Sodium	182	+/-250	J	500	P	10/22/2025	16:55	LB137619
	Thallium	0.060	+/-0.5	U	1.00	P	10/22/2025	16:55	LB137619
Vanadium	0.077	+/-2.5	U	5.00	P	10/22/2025	16:55	LB137619	
Zinc	1.25	+/-2.5	U	5.00	P	10/22/2025	16:55	LB137619	
CCB06	Aluminum	1.94	+/-10	U	20.0	P	10/22/2025	18:10	LB137619
	Antimony	0.11	+/-1	U	2.00	P	10/22/2025	18:10	LB137619
	Arsenic	0.089	+/-0.5	U	1.00	P	10/22/2025	18:10	LB137619
	Barium	0.21	+/-5	U	10.0	P	10/22/2025	18:10	LB137619
	Beryllium	0.32	+/-0.5	U	1.00	P	10/22/2025	18:10	LB137619
	Cadmium	0.34	+/-0.5	U	1.00	P	10/22/2025	18:10	LB137619
	Calcium	45.7	+/-250	U	500	P	10/22/2025	18:10	LB137619

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM

SDG No.: Q3393

Contract: AECO02

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Chromium	0.21	+/-1	U	2.00	P	10/22/2025	18:10	LB137619
	Cobalt	0.070	+/-0.5	U	1.00	P	10/22/2025	18:10	LB137619
	Copper	0.30	+/-1	U	2.00	P	10/22/2025	18:10	LB137619
	Iron	7.81	+/-25	U	50.0	P	10/22/2025	18:10	LB137619
	Lead	0.21	+/-0.5	U	1.00	P	10/22/2025	18:10	LB137619
	Magnesium	19.5	+/-250	U	500	P	10/22/2025	18:10	LB137619
	Manganese	0.43	+/-0.5	U	1.00	P	10/22/2025	18:10	LB137619
	Nickel	0.27	+/-0.5	U	1.00	P	10/22/2025	18:10	LB137619
	Potassium	36.4	+/-250	U	500	P	10/22/2025	18:10	LB137619
	Selenium	2.90	+/-2.5	U	5.00	P	10/22/2025	18:10	LB137619
	Silver	0.060	+/-0.5	U	1.00	P	10/22/2025	18:10	LB137619
	Sodium	128	+/-250	U	500	P	10/22/2025	18:10	LB137619
	Thallium	0.060	+/-0.5	U	1.00	P	10/22/2025	18:10	LB137619
	Vanadium	0.077	+/-2.5	U	5.00	P	10/22/2025	18:10	LB137619
	Zinc	1.25	+/-2.5	U	5.00	P	10/22/2025	18:10	LB137619
CCB07	Aluminum	1.94	+/-10	U	20.0	P	10/22/2025	18:49	LB137619
	Antimony	0.11	+/-1	U	2.00	P	10/22/2025	18:49	LB137619
	Arsenic	0.089	+/-0.5	U	1.00	P	10/22/2025	18:49	LB137619
	Barium	0.21	+/-5	U	10.0	P	10/22/2025	18:49	LB137619
	Beryllium	0.32	+/-0.5	U	1.00	P	10/22/2025	18:49	LB137619
	Cadmium	0.34	+/-0.5	U	1.00	P	10/22/2025	18:49	LB137619
	Calcium	45.7	+/-250	U	500	P	10/22/2025	18:49	LB137619
	Chromium	0.21	+/-1	U	2.00	P	10/22/2025	18:49	LB137619
	Cobalt	0.070	+/-0.5	U	1.00	P	10/22/2025	18:49	LB137619
	Copper	0.30	+/-1	U	2.00	P	10/22/2025	18:49	LB137619
	Iron	7.81	+/-25	U	50.0	P	10/22/2025	18:49	LB137619
	Lead	0.21	+/-0.5	U	1.00	P	10/22/2025	18:49	LB137619
	Magnesium	19.5	+/-250	U	500	P	10/22/2025	18:49	LB137619
	Manganese	0.43	+/-0.5	U	1.00	P	10/22/2025	18:49	LB137619
	Nickel	0.27	+/-0.5	U	1.00	P	10/22/2025	18:49	LB137619
	Potassium	36.4	+/-250	U	500	P	10/22/2025	18:49	LB137619
	Selenium	2.90	+/-2.5	U	5.00	P	10/22/2025	18:49	LB137619
	Silver	0.060	+/-0.5	U	1.00	P	10/22/2025	18:49	LB137619
	Sodium	128	+/-250	U	500	P	10/22/2025	18:49	LB137619
	Thallium	0.060	+/-0.5	U	1.00	P	10/22/2025	18:49	LB137619
	Vanadium	0.077	+/-2.5	U	5.00	P	10/22/2025	18:49	LB137619
	Zinc	1.25	+/-2.5	U	5.00	P	10/22/2025	18:49	LB137619
CCB08	Aluminum	1.94	+/-10	U	20.0	P	10/22/2025	19:52	LB137619
	Antimony	0.11	+/-1	U	2.00	P	10/22/2025	19:52	LB137619

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM

SDG No.: Q3393

Contract: AECO02

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB08	Arsenic	0.089	+/-0.5	U	1.00	P	10/22/2025	19:52	LB137619
	Barium	0.21	+/-5	U	10.0	P	10/22/2025	19:52	LB137619
	Beryllium	0.32	+/-0.5	U	1.00	P	10/22/2025	19:52	LB137619
	Cadmium	0.34	+/-0.5	U	1.00	P	10/22/2025	19:52	LB137619
	Calcium	45.7	+/-250	U	500	P	10/22/2025	19:52	LB137619
	Chromium	0.21	+/-1	U	2.00	P	10/22/2025	19:52	LB137619
	Cobalt	0.070	+/-0.5	U	1.00	P	10/22/2025	19:52	LB137619
	Copper	0.30	+/-1	U	2.00	P	10/22/2025	19:52	LB137619
	Iron	7.81	+/-25	U	50.0	P	10/22/2025	19:52	LB137619
	Lead	0.21	+/-0.5	U	1.00	P	10/22/2025	19:52	LB137619
	Magnesium	19.5	+/-250	U	500	P	10/22/2025	19:52	LB137619
	Manganese	0.43	+/-0.5	U	1.00	P	10/22/2025	19:52	LB137619
	Nickel	0.27	+/-0.5	U	1.00	P	10/22/2025	19:52	LB137619
	Potassium	36.4	+/-250	U	500	P	10/22/2025	19:52	LB137619
	Selenium	2.90	+/-2.5	U	5.00	P	10/22/2025	19:52	LB137619
	Silver	0.060	+/-0.5	U	1.00	P	10/22/2025	19:52	LB137619
	Sodium	128	+/-250	U	500	P	10/22/2025	19:52	LB137619
	Thallium	0.060	+/-0.5	U	1.00	P	10/22/2025	19:52	LB137619
	Vanadium	0.077	+/-2.5	U	5.00	P	10/22/2025	19:52	LB137619
	Zinc	1.25	+/-2.5	U	5.00	P	10/22/2025	19:52	LB137619
CCB09	Aluminum	1.94	+/-10	U	20.0	P	10/22/2025	20:31	LB137619
	Antimony	0.18	+/-1	J	2.00	P	10/22/2025	20:31	LB137619
	Arsenic	0.089	+/-0.5	U	1.00	P	10/22/2025	20:31	LB137619
	Barium	0.21	+/-5	U	10.0	P	10/22/2025	20:31	LB137619
	Beryllium	0.32	+/-0.5	U	1.00	P	10/22/2025	20:31	LB137619
	Cadmium	0.34	+/-0.5	U	1.00	P	10/22/2025	20:31	LB137619
	Calcium	45.7	+/-250	U	500	P	10/22/2025	20:31	LB137619
	Chromium	0.21	+/-1	U	2.00	P	10/22/2025	20:31	LB137619
	Cobalt	0.070	+/-0.5	U	1.00	P	10/22/2025	20:31	LB137619
	Copper	0.30	+/-1	U	2.00	P	10/22/2025	20:31	LB137619
	Iron	7.81	+/-25	U	50.0	P	10/22/2025	20:31	LB137619
	Lead	0.21	+/-0.5	U	1.00	P	10/22/2025	20:31	LB137619
	Magnesium	19.5	+/-250	U	500	P	10/22/2025	20:31	LB137619
	Manganese	0.43	+/-0.5	U	1.00	P	10/22/2025	20:31	LB137619
	Nickel	0.27	+/-0.5	U	1.00	P	10/22/2025	20:31	LB137619
	Potassium	43.9	+/-250	J	500	P	10/22/2025	20:31	LB137619
	Selenium	2.90	+/-2.5	U	5.00	P	10/22/2025	20:31	LB137619
	Silver	0.060	+/-0.5	U	1.00	P	10/22/2025	20:31	LB137619
	Sodium	128	+/-250	U	500	P	10/22/2025	20:31	LB137619

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** Q3393
Contract: AECO02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB09	Thallium	0.060	+/-0.5	U	1.00	P	10/22/2025	20:31	LB137619
	Vanadium	0.077	+/-2.5	U	5.00	P	10/22/2025	20:31	LB137619
	Zinc	1.25	+/-2.5	U	5.00	P	10/22/2025	20:31	LB137619
CCB10	Aluminum	1.94	+/-10	U	20.0	P	10/22/2025	21:06	LB137619
	Antimony	0.19	+/-1	J	2.00	P	10/22/2025	21:06	LB137619
	Arsenic	0.089	+/-0.5	U	1.00	P	10/22/2025	21:06	LB137619
	Barium	0.21	+/-5	U	10.0	P	10/22/2025	21:06	LB137619
	Beryllium	0.32	+/-0.5	U	1.00	P	10/22/2025	21:06	LB137619
	Cadmium	0.34	+/-0.5	U	1.00	P	10/22/2025	21:06	LB137619
	Calcium	45.7	+/-250	U	500	P	10/22/2025	21:06	LB137619
	Chromium	0.21	+/-1	U	2.00	P	10/22/2025	21:06	LB137619
	Cobalt	0.070	+/-0.5	U	1.00	P	10/22/2025	21:06	LB137619
	Copper	0.30	+/-1	U	2.00	P	10/22/2025	21:06	LB137619
	Iron	7.81	+/-25	U	50.0	P	10/22/2025	21:06	LB137619
	Lead	0.21	+/-0.5	U	1.00	P	10/22/2025	21:06	LB137619
	Magnesium	19.5	+/-250	U	500	P	10/22/2025	21:06	LB137619
	Manganese	0.43	+/-0.5	U	1.00	P	10/22/2025	21:06	LB137619
	Nickel	0.27	+/-0.5	U	1.00	P	10/22/2025	21:06	LB137619
	Potassium	36.4	+/-250	U	500	P	10/22/2025	21:06	LB137619
	Selenium	2.90	+/-2.5	U	5.00	P	10/22/2025	21:06	LB137619
	Silver	0.060	+/-0.5	U	1.00	P	10/22/2025	21:06	LB137619
	Sodium	128	+/-250	U	500	P	10/22/2025	21:06	LB137619
	Thallium	0.060	+/-0.5	U	1.00	P	10/22/2025	21:06	LB137619
	Vanadium	0.077	+/-2.5	U	5.00	P	10/22/2025	21:06	LB137619
	Zinc	1.25	+/-2.5	U	5.00	P	10/22/2025	21:06	LB137619

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: AECOM

SDG No.: Q3393

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB170201BL		SOLID		Batch Number:	PB170201		Prep Date:	10/21/2025	
	Mercury	0.0070	<0.013	U	0.013	CV	10/22/2025	11:49	LB137610

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: AECOM

SDG No.: Q3393

Instrument: P7

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB170186BL	SOLID			Batch Number:	PB170186		Prep Date:	10/21/2025	
	Aluminum	0.36	<1	U	2.00	P	10/22/2025	15:27	LB137619
	Antimony	0.045	<0.1	U	0.20	P	10/22/2025	15:27	LB137619
	Arsenic	0.012	<0.05	U	0.10	P	10/22/2025	15:27	LB137619
	Barium	0.033	<0.5	U	1.00	P	10/22/2025	15:27	LB137619
	Beryllium	0.032	<0.05	U	0.10	P	10/22/2025	15:27	LB137619
	Cadmium	0.018	<0.05	U	0.10	P	10/22/2025	15:27	LB137619
	Calcium	4.79	<25	U	50.0	P	10/22/2025	15:27	LB137619
	Chromium	0.026	<0.1	U	0.20	P	10/22/2025	15:27	LB137619
	Cobalt	0.0090	<0.05	U	0.10	P	10/22/2025	15:27	LB137619
	Copper	0.065	<0.1	U	0.20	P	10/22/2025	15:27	LB137619
	Iron	0.92	<2.5	U	5.00	P	10/22/2025	15:27	LB137619
	Lead	0.032	<0.05	U	0.10	P	10/22/2025	15:27	LB137619
	Magnesium	1.93	<25	U	50.0	P	10/22/2025	15:27	LB137619
	Manganese	0.034	<0.05	U	0.10	P	10/22/2025	15:27	LB137619
	Nickel	0.043	<0.05	U	0.10	P	10/22/2025	15:27	LB137619
	Potassium	3.84	<25	U	50.0	P	10/22/2025	15:27	LB137619
	Selenium	0.28	<0.25	U	0.50	P	10/22/2025	15:27	LB137619
	Silver	0.026	<0.05	U	0.10	P	10/22/2025	15:27	LB137619
	Sodium	7.02	<25	U	50.0	P	10/22/2025	15:27	LB137619
	Thallium	0.014	<0.05	U	0.10	P	10/22/2025	15:27	LB137619
	Vanadium	0.011	<0.25	U	0.50	P	10/22/2025	15:27	LB137619
	Zinc	0.090	<0.25	U	0.50	P	10/22/2025	15:27	LB137619

Metals
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INTERFERENCE CHECK SAMPLE

Client: <u>AECOM</u>	SDG No.: <u>Q3393</u>
Contract: <u>AECO02</u>	Lab Code: <u>ACE</u>
ICS Source: <u>EPA</u>	Instrument ID: <u>P7</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	94400	100000	94	0	0	10/22/2025	13:20	LB137619
	Antimony	1.18	1.5	79	-2.5	5.5	10/22/2025	13:20	LB137619
	Arsenic	0.41	0.1	410	-1.9	2.1	10/22/2025	13:20	LB137619
	Barium	1.43	1.2	119	-18.8	21.2	10/22/2025	13:20	LB137619
	Beryllium	0.34			-2	2	10/22/2025	13:20	LB137619
	Cadmium	0.22	0.7	31	-1.3	2.7	10/22/2025	13:20	LB137619
	Calcium	103000	100000	103	0	0	10/22/2025	13:20	LB137619
	Chromium	20.4	21.0	97	17	25	10/22/2025	13:20	LB137619
	Cobalt	1.30	1.0	130	-1	3	10/22/2025	13:20	LB137619
	Copper	7.49	8.0	94	4	12	10/22/2025	13:20	LB137619
	Iron	106000	100000	106	0	0	10/22/2025	13:20	LB137619
	Lead	4.32	4.0	108	2	6	10/22/2025	13:20	LB137619
	Magnesium	96600	100000	97	0	0	10/22/2025	13:20	LB137619
	Manganese	7.76	7.0	111	5	9	10/22/2025	13:20	LB137619
	Nickel	5.51	6.0	92	4	8	10/22/2025	13:20	LB137619
	Potassium	104000	100000	104	0	0	10/22/2025	13:20	LB137619
	Selenium	0	0.3		-9.7	10	10/22/2025	13:20	LB137619
	Silver	0.040			-2	2	10/22/2025	13:20	LB137619
	Sodium	104000	100000	104	0	0	10/22/2025	13:20	LB137619
	Thallium	0.060			-2	2	10/22/2025	13:20	LB137619
	Vanadium	0.24	0.5	48	-9.5	10.5	10/22/2025	13:20	LB137619
	Zinc	10.7	11.0	98	1	21	10/22/2025	13:20	LB137619
ICSAB01	Aluminum	95400	100000	95	0	0	10/22/2025	13:23	LB137619
	Antimony	21.2	22.0	96	18	26	10/22/2025	13:23	LB137619
	Arsenic	18.9	19.0	100	16.2	21.9	10/22/2025	13:23	LB137619
	Barium	21.4	22.0	97	2	42	10/22/2025	13:23	LB137619
	Beryllium	21.6	19.0	114	16.2	21.9	10/22/2025	13:23	LB137619
	Cadmium	20.1	20.0	100	17	23	10/22/2025	13:23	LB137619
	Calcium	101000	100000	101	0	0	10/22/2025	13:23	LB137619
	Chromium	41.2	40.0	103	34	46	10/22/2025	13:23	LB137619
	Cobalt	22.1	20.0	110	17	23	10/22/2025	13:23	LB137619
	Copper	26.8	25.0	107	21	29	10/22/2025	13:23	LB137619
	Iron	106000	100000	106	0	0	10/22/2025	13:23	LB137619
	Lead	23.0	25.0	92	21.3	28.8	10/22/2025	13:23	LB137619
	Magnesium	96100	100000	96	0	0	10/22/2025	13:23	LB137619
	Manganese	26.8	27.0	99	23	31.1	10/22/2025	13:23	LB137619
	Nickel	26.6	24.0	111	20.4	27.6	10/22/2025	13:23	LB137619
	Potassium	104000	100000	104	0	0	10/22/2025	13:23	LB137619
	Selenium	19.1	19.0	100	9	29	10/22/2025	13:23	LB137619
	Silver	19.8	18.0	110	15.3	20.7	10/22/2025	13:23	LB137619
	Sodium	104000	100000	104	0	0	10/22/2025	13:23	LB137619
	Thallium	19.9	21.0	95	17.9	24.2	10/22/2025	13:23	LB137619

Metals

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INTERFERENCE CHECK SAMPLE

Client: AECOM

SDG No.: Q3393

Contract: AECO02

Lab Code: ACE

ICS Source: EPA

Instrument ID: P7

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	20.9	19.0	110	9	29	10/22/2025	13:23	LB137619
	Zinc	31.0	29.0	107	19	39	10/22/2025	13:23	LB137619



METAL QC DATA

metals
- 5a -
MATRIX SPIKE SUMMARY

client: AECOM **level:** low **sdg no.:** Q3393
contract: AECO02 **lab code:** ACE
matrix: Solid **sample id:** Q3395-02 **client id:** PR132-S07-000102-20251017MS
Percent Solids for Sample: 47.9 **Spiked ID:** Q3395-03 **Percent Solids for Spike Sample:** 47.9

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	16800		15400		1700	84		P
Antimony	mg/Kg	75 - 125	80.1		0.23	J	87.0	92		P
Arsenic	mg/Kg	75 - 125	118		40.2		87.0	89		P
Barium	mg/Kg	75 - 125	850		294		430	128	N	P
Beryllium	mg/Kg	75 - 125	80.7		1.15		87.0	91		P
Cadmium	mg/Kg	75 - 125	92.6		10.4		87.0	94		P
Calcium	mg/Kg	75 - 125	16200		6070		8700	117		P
Chromium	mg/Kg	75 - 125	599	D	437	D	87.0	186		P
Cobalt	mg/Kg	75 - 125	91.2		13.1		87.0	90		P
Copper	mg/Kg	75 - 125	1200		417		870	90		P
Iron	mg/Kg	75 - 125	50900	D	48500	D	4300	56		P
Lead	mg/Kg	75 - 125	1230	D	546	D	430	157	N	P
Magnesium	mg/Kg	75 - 125	19200		8620		8700	122		P
Manganese	mg/Kg	75 - 125	1060		400		870	76		P
Nickel	mg/Kg	75 - 125	205	D	72.8	D	87.0	152	N	P
Mercury	mg/Kg	80 - 120	8.41	D	4.52	D	0.5	777		CV
Potassium	mg/Kg	75 - 125	6790		3350		4300	79		P
Selenium	mg/Kg	75 - 125	65.5		2.47		87.0	72	N	P
Silver	mg/Kg	75 - 125	18.1		8.09		87.0	11	N	P
Sodium	mg/Kg	75 - 125	19800		9850		8700	114		P
Thallium	mg/Kg	75 - 125	74.7		0.43		87.0	85		P
Vanadium	mg/Kg	75 - 125	159		66.4		87.0	106		P
Zinc	mg/Kg	75 - 125	1560		574		870	114		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: <u>AECOM</u>	level: <u>low</u>	sdg no.: <u>Q3393</u>
contract: <u>AECO02</u>		lab code: <u>ACE</u>
matrix: <u>Solid</u>	sample id: <u>Q3395-02</u>	client id: <u>PR132-S07-000102-20251017MSD</u>
Percent Solids for Sample: 47.9	Spiked ID: Q3395-04	Percent Solids for Spike Sample: 47.9

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	16600		15400		1700	72		P
Antimony	mg/Kg	75 - 125	81.8		0.23	J	85.6	95		P
Arsenic	mg/Kg	75 - 125	115		40.2		85.6	88		P
Barium	mg/Kg	75 - 125	848		294		430	129	N	P
Beryllium	mg/Kg	75 - 125	77.1		1.15		85.6	89		P
Cadmium	mg/Kg	75 - 125	93.0		10.4		85.6	96		P
Calcium	mg/Kg	75 - 125	16200		6070		8600	119		P
Chromium	mg/Kg	75 - 125	586	D	437	D	85.6	174		P
Cobalt	mg/Kg	75 - 125	89.5		13.1		85.6	89		P
Copper	mg/Kg	75 - 125	1180		417		860	90		P
Iron	mg/Kg	75 - 125	49500	D	48500	D	4300	25		P
Lead	mg/Kg	75 - 125	1210	D	546	D	430	154	N	P
Magnesium	mg/Kg	75 - 125	18900		8620		8600	121		P
Manganese	mg/Kg	75 - 125	1050		400		860	76		P
Nickel	mg/Kg	75 - 125	201	D	72.8	D	85.6	150	N	P
Mercury	mg/Kg	80 - 120	8.56	D	4.52	D	0.49	824		CV
Potassium	mg/Kg	75 - 125	6680		3350		4300	78		P
Selenium	mg/Kg	75 - 125	64.8		2.47		85.6	73	N	P
Silver	mg/Kg	75 - 125	18.6		8.09		85.6	12	N	P
Sodium	mg/Kg	75 - 125	19500		9850		8600	113		P
Thallium	mg/Kg	75 - 125	71.9		0.43		85.6	83		P
Vanadium	mg/Kg	75 - 125	154		66.4		85.6	102		P
Zinc	mg/Kg	75 - 125	1540		574		860	113		P

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: AECOM

Contract: AECO02

Matrix: Solid

Sample ID: Q3395-02

SDG No.: Q3393

Lab Code: ACE

Client ID: PR132-S07-000102-20251017A

Level: LOW

Spiked ID: Q3395-02A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Barium	mg/Kg	75 - 125	652		294		450	79		P
Lead	mg/Kg	75 - 125	955	D	546	D	450	91		P
Nickel	mg/Kg	75 - 125	148	D	72.8	D	90.0	84		P
Selenium	mg/Kg	75 - 125	69.5		2.47		90.0	74	N	P
Silver	mg/Kg	75 - 125	20.7		8.09		90.0	14	N	P

A
B
C
D
E
F
G
H

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: AECOM **Level:** LOW **SDG No.:** Q3393
Contract: AECO02 **Lab Code:** ACE
Matrix: Solid **Sample ID:** Q3395-02 **Client ID:** PR132-S07-000102-20251017DUP
Percent Solids for Sample: 47.9 **Duplicate ID** Q3395-02DUP **Percent Solids for Spike Sample:** 47.9

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	15400		14800		4		P
Antimony	mg/Kg	20	0.23	J	0.29	J	22		P
Arsenic	mg/Kg	20	40.2		37.7		6		P
Barium	mg/Kg	20	294		283		4		P
Beryllium	mg/Kg	20	1.15		1.10		4		P
Cadmium	mg/Kg	20	10.4		9.88		5		P
Calcium	mg/Kg	20	6070		5820		4		P
Chromium	mg/Kg	20	437	D	411	D	6		P
Cobalt	mg/Kg	20	13.1		12.5		5		P
Copper	mg/Kg	20	417		395		5		P
Iron	mg/Kg	20	41500		40600		2		P
Lead	mg/Kg	20	502		489		3		P
Magnesium	mg/Kg	20	8620		8290		4		P
Manganese	mg/Kg	20	400		383		4		P
Nickel	mg/Kg	20	61.2		59.3		3		P
Mercury	mg/Kg	20	4.52	D	5.12	D	12		CV
Potassium	mg/Kg	20	3350		3220		4		P
Selenium	mg/Kg	20	2.47		2.32		6		P
Silver	mg/Kg	20	8.09		7.61		6		P
Sodium	mg/Kg	20	9850		9460		4		P
Thallium	mg/Kg	20	0.43		0.41		3		P
Vanadium	mg/Kg	20	66.4		62.8		6		P
Zinc	mg/Kg	20	574		545		5		P

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: AECOM **Level:** LOW **SDG No.:** Q3393
Contract: AECO02 **Lab Code:** ACE
Matrix: Solid **Sample ID:** Q3395-03 **Client ID:** PR132-S07-000102-20251017MSD
Percent Solids for Sample: 47.9 **Duplicate ID** Q3395-04 **Percent Solids for Spike Sample:** 47.9

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	16800		16600		1		P
Antimony	mg/Kg	20	80.1		81.8		2		P
Arsenic	mg/Kg	20	118		115		3		P
Barium	mg/Kg	20	850		848		0		P
Beryllium	mg/Kg	20	80.7		77.1		5		P
Cadmium	mg/Kg	20	92.6		93.0		0		P
Calcium	mg/Kg	20	16200		16200		0		P
Chromium	mg/Kg	20	599	D	586	D	2		P
Cobalt	mg/Kg	20	91.2		89.5		2		P
Copper	mg/Kg	20	1200		1180		2		P
Iron	mg/Kg	20	50900	D	49500	D	3		P
Lead	mg/Kg	20	1230	D	1210	D	2		P
Magnesium	mg/Kg	20	19200		18900		2		P
Manganese	mg/Kg	20	1060		1050		1		P
Nickel	mg/Kg	20	205	D	201	D	2		P
Mercury	mg/Kg	20	8.41	D	8.56	D	2		CV
Potassium	mg/Kg	20	6790		6680		2		P
Selenium	mg/Kg	20	65.5		64.8		1		P
Silver	mg/Kg	20	18.1		18.6		3		P
Sodium	mg/Kg	20	19800		19500		2		P
Thallium	mg/Kg	20	74.7		71.9		4		P
Vanadium	mg/Kg	20	159		154		3		P
Zinc	mg/Kg	20	1560		1540		1		P

Metals

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client:	<u>AECOM</u>	SDG No.:	<u>Q3393</u>
Contract:	<u>AECO02</u>	Lab Code:	<u>ACE</u>

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB170186BS							
Aluminum	mg/Kg	1000	1070		107	80 - 120	P
Antimony	mg/Kg	50.0	52.8		106	80 - 120	P
Arsenic	mg/Kg	50.0	51.2		102	80 - 120	P
Barium	mg/Kg	250	261		104	80 - 120	P
Beryllium	mg/Kg	50.0	52.4		105	80 - 120	P
Cadmium	mg/Kg	50.0	52.9		106	80 - 120	P
Calcium	mg/Kg	5000	5370		107	80 - 120	P
Chromium	mg/Kg	50.0	55.3		111	80 - 120	P
Cobalt	mg/Kg	50.0	52.4		105	80 - 120	P
Copper	mg/Kg	500	531		106	80 - 120	P
Iron	mg/Kg	2500	2800		112	80 - 120	P
Lead	mg/Kg	250	260		104	80 - 120	P
Magnesium	mg/Kg	5000	5270		105	80 - 120	P
Manganese	mg/Kg	500	530		106	80 - 120	P
Nickel	mg/Kg	50.0	54.6		109	80 - 120	P
Potassium	mg/Kg	2500	2670		107	80 - 120	P
Selenium	mg/Kg	50.0	52.5		105	80 - 120	P
Silver	mg/Kg	50.0	49.7		99	80 - 120	P
Sodium	mg/Kg	5000	5370		107	80 - 120	P
Thallium	mg/Kg	50.0	52.8		106	80 - 120	P
Vanadium	mg/Kg	50.0	52.0		104	80 - 120	P
Zinc	mg/Kg	500	540		108	80 - 120	P

Metals

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: AECOM

SDG No.: Q3393

Contract: AECO02

Lab Code: ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB170201BS Mercury	mg/Kg	0.25	0.20		82	80 - 120	CV

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM

Contract: AECO02

Lab Code: ACE

SDG No.: Q3393

Instrument ID: P7

Start Date : 10/22/2025

Run Number: LB137619

End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q
S0	S0	1154	100		100		100		100		100	
S2	S2	1157	99		98		101		99		99	
S3	S3	1204	98		99		99		98		97	
S4	S4	1207	96		96		99		98		99	
S5	S5	1210	96		94		96		95		99	
S6	S6	1213	97		93		96		95		100	
S7	S7	1216	98		95		97		96		102	
S8	S8	1219	101		101		101		94		104	
ICV01	ICV01	1238	96		100		102		101		100	
LLICV01	LLICV01	1312	92		97		100		98		97	
ICB01	ICB01	1316	93		99		99		98		97	
ICSA01	ICSA01	1320	94		100		101		97		102	
ICSAB01	ICSAB01	1323	95		104		107		103		108	
CCV01	CCV01	1327	95		105		106		100		105	
CCB01	CCB01	1330	90		98		101		99		99	
CRI01	CRI01	1333	92		100		101		101		101	
ZZZZZZ	ZZZZZZ	1340										
ZZZZZZ	ZZZZZZ	1343										
ZZZZZZ	ZZZZZZ	1346										
ZZZZZZ	ZZZZZZ	1349										
ZZZZZZ	ZZZZZZ	1353										
ZZZZZZ	ZZZZZZ	1356										
ZZZZZZ	ZZZZZZ	1359										
ZZZZZZ	ZZZZZZ	1402										
ZZZZZZ	ZZZZZZ	1408										
CCV02	CCV02	1411	95		104		105		99		104	
CCB02	CCB02	1418	92		99		101		103		100	
ZZZZZZ	ZZZZZZ	1421										
ZZZZZZ	ZZZZZZ	1424										
ZZZZZZ	ZZZZZZ	1427										
ZZZZZZ	ZZZZZZ	1430										
ZZZZZZ	ZZZZZZ	1434										
ZZZZZZ	ZZZZZZ	1437										
ZZZZZZ	ZZZZZZ	1440										
ZZZZZZ	ZZZZZZ	1443										
ZZZZZZ	ZZZZZZ	1446										

Internal Standard %RI Limit: 70 - 130

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM

Contract: AECO02

Lab Code: ACE

SDG No.: Q3393

Instrument ID: P7

Start Date : 10/22/2025

Run Number: LB137619

End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q
ZZZZZZ	ZZZZZZ	1449										
CCV03	CCV03	1454	90		100		102		96		101	
CCB03	CCB03	1505	89		99		101		100		100	
ZZZZZZ	ZZZZZZ	1514										
ZZZZZZ	ZZZZZZ	1517										
ZZZZZZ	ZZZZZZ	1520										
ZZZZZZ	ZZZZZZ	1524										
PB170186BL	PB170186BL	1527	90		96		98		98		98	
PB170186BS	PB170186BS	1530	91		95		97		97		100	
ZZZZZZ	ZZZZZZ	1533										
ZZZZZZ	ZZZZZZ	1536										
ZZZZZZ	ZZZZZZ	1539										
ZZZZZZ	ZZZZZZ	1542										
CCV04	CCV04	1545	92		99		101		96		101	
CCB04	CCB04	1600	87		96		98		98		97	
ZZZZZZ	ZZZZZZ	1603										
ZZZZZZ	ZZZZZZ	1606										
ZZZZZZ	ZZZZZZ	1609										
ZZZZZZ	ZZZZZZ	1613										
ZZZZZZ	ZZZZZZ	1616										
ZZZZZZ	ZZZZZZ	1619										
ZZZZZZ	ZZZZZZ	1625										
ZZZZZZ	ZZZZZZ	1631										
ZZZZZZ	ZZZZZZ	1640										
ZZZZZZ	ZZZZZZ	1643										
CCV05	CCV05	1646	94		102		103		99		105	
CCB05	CCB05	1655	87		95		98		98		100	
ZZZZZZ	ZZZZZZ	1700										
Q3393-01	PR132-S10-01	1715	88		104		116		96		101	
Q3393-02	PR132-S10-01	1718	92		107		119		99		104	
Q3393-03	PR132-S08-01	1722	95		117		135	*	101		108	
Q3393-04	PR132-S06-01	1725	92		108		122		100		105	
Q3393-05	PR132-S08-01	1728	93		113		130		98		104	
ZZZZZZ	ZZZZZZ	1731										
ZZZZZZ	ZZZZZZ	1734										
Q3395-02DUP	PR132-S07-01	1741	92		110		126		99		106	

Internal Standard %RI Limit: 70 - 130

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM

Contract: AECO02

Lab Code: ACE

SDG No.: Q3393

Instrument ID: P7

Start Date : 10/22/2025

Run Number: LB137619

End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q
Q3395-02L	PR132-S07-01	1744	89		100		106		97		104	
CCV06	CCV06	1759	85		95		97		93		102	
CCB06	CCB06	1810	82		90		93		94		97	
Q3395-03	PR132-S07-01	1815	89		107		123		92		101	
Q3395-04	PR132-S07-01	1818	92		108		124		95		101	
Q3395-02A	PR132-S07-01	1821	91		105		121		95		103	
ZZZZZZ	ZZZZZZ	1823										
ZZZZZZ	ZZZZZZ	1826										
ZZZZZZ	ZZZZZZ	1829										
CCV07	CCV07	1841	84		94		98		93		99	
CCB07	CCB07	1849	80		90		94		95		96	
ZZZZZZ	ZZZZZZ	1912										
ZZZZZZ	ZZZZZZ	1915										
ZZZZZZ	ZZZZZZ	1918										
ZZZZZZ	ZZZZZZ	1922										
ZZZZZZ	ZZZZZZ	1925										
ZZZZZZ	ZZZZZZ	1928										
ZZZZZZ	ZZZZZZ	1931										
ZZZZZZ	ZZZZZZ	1934										
ZZZZZZ	ZZZZZZ	1937										
ZZZZZZ	ZZZZZZ	1941										
CCV08	CCV08	1944	84		92		96		92		98	
CCB08	CCB08	1952	78		89		92		92		94	
ZZZZZZ	ZZZZZZ	1957										
ZZZZZZ	ZZZZZZ	2000										
ZZZZZZ	ZZZZZZ	2003										
ZZZZZZ	ZZZZZZ	2006										
ZZZZZZ	ZZZZZZ	2009										
Q3393-01	PR132-S10-01	2012	80		93		97		94		94	
Q3393-02	PR132-S10-01	2016	81		93		99		95		96	
Q3393-03	PR132-S08-01	2019	82		96		101		94		95	
Q3393-04	PR132-S06-01	2022	83		95		100		95		97	
Q3393-05	PR132-S08-01	2025	83		96		101		95		96	
CCV09	CCV09	2028	83		92		94		91		97	
CCB09	CCB09	2031	80		89		92		91		95	
ZZZZZZ	ZZZZZZ	2035										

Internal Standard %RI Limit: 70 - 130

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM

Contract: AECO02

Lab Code: ACE

SDG No.: Q3393

Instrument ID: P7

Start Date : 10/22/2025

Run Number: LB137619

End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q
ZZZZZZ	ZZZZZZ	2038										
Q3395-02DUP	PR132-S07-0	2041	84		95		100		95		99	
Q3395-02L	PR132-S07-0	2044	83		93		97		97		98	
Q3395-03	PR132-S07-0	2048	84		96		105		97		98	
Q3395-04	PR132-S07-0	2051	84		96		102		94		98	
Q3395-02A	PR132-S07-0	2054	83		95		99		95		97	
ZZZZZZ	ZZZZZZ	2057										
ZZZZZZ	ZZZZZZ	2100										
CCV10	CCV10	2103	83		92		94		91		99	
CCB10	CCB10	2106	83		90		93		95		99	

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM

Contract: AECO02

Lab Code: ACE

SDG No.: Q3393

Instrument ID: P7

Start Date : 10/22/2025

Run Number: LB137619

End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q	Element 165Ho	Q
S0	S0	1154	100		100		100		100		100	
S2	S2	1157	99		99		100		98		99	
S3	S3	1204	98		97		97		98		97	
S4	S4	1207	96		97		94		97		99	
S5	S5	1210	95		95		93		96		97	
S6	S6	1213	96		95		95		99		100	
S7	S7	1216	97		95		94		100		101	
S8	S8	1219	105		104		94		103		105	
ICV01	ICV01	1238	101		102		100		101		102	
LLICV01	LLICV01	1312	98		99		97		98		99	
ICB01	ICB01	1316	99		101		99		99		100	
ICSA01	ICSA01	1320	101		100		97		101		103	
ICSAB01	ICSAB01	1323	104		102		100		104		105	
CCV01	CCV01	1327	103		102		97		103		105	
CCB01	CCB01	1330	98		100		99		99		100	
CRI01	CRI01	1333	99		99		99		101		101	
ZZZZZZ	ZZZZZZ	1340										
ZZZZZZ	ZZZZZZ	1343										
ZZZZZZ	ZZZZZZ	1346										
ZZZZZZ	ZZZZZZ	1349										
ZZZZZZ	ZZZZZZ	1353										
ZZZZZZ	ZZZZZZ	1356										
ZZZZZZ	ZZZZZZ	1359										
ZZZZZZ	ZZZZZZ	1402										
ZZZZZZ	ZZZZZZ	1408										
CCV02	CCV02	1411	104		104		98		105		105	
CCB02	CCB02	1418	100		102		102		103		104	
ZZZZZZ	ZZZZZZ	1421										
ZZZZZZ	ZZZZZZ	1424										
ZZZZZZ	ZZZZZZ	1427										
ZZZZZZ	ZZZZZZ	1430										
ZZZZZZ	ZZZZZZ	1434										
ZZZZZZ	ZZZZZZ	1437										
ZZZZZZ	ZZZZZZ	1440										
ZZZZZZ	ZZZZZZ	1443										
ZZZZZZ	ZZZZZZ	1446										

Internal Standard %RI Limit: 70 - 130

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM

Contract: AECO02

Lab Code: ACE

SDG No.: Q3393

Instrument ID: P7

Start Date : 10/22/2025

Run Number: LB137619

End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q	Element 165Ho	Q
ZZZZZZ	ZZZZZZ	1449										
CCV03	CCV03	1454	101		101		96		104		103	
CCB03	CCB03	1505	97		100		99		102		102	
ZZZZZZ	ZZZZZZ	1514										
ZZZZZZ	ZZZZZZ	1517										
ZZZZZZ	ZZZZZZ	1520										
ZZZZZZ	ZZZZZZ	1524										
PB170186BL	PB170186BL	1527	94		98		98		100		100	
PB170186BS	PB170186BS	1530	96		98		95		101		104	
ZZZZZZ	ZZZZZZ	1533										
ZZZZZZ	ZZZZZZ	1536										
ZZZZZZ	ZZZZZZ	1539										
ZZZZZZ	ZZZZZZ	1542										
CCV04	CCV04	1545	99		98		95		101		102	
CCB04	CCB04	1600	94		97		96		98		100	
ZZZZZZ	ZZZZZZ	1603										
ZZZZZZ	ZZZZZZ	1606										
ZZZZZZ	ZZZZZZ	1609										
ZZZZZZ	ZZZZZZ	1613										
ZZZZZZ	ZZZZZZ	1616										
ZZZZZZ	ZZZZZZ	1619										
ZZZZZZ	ZZZZZZ	1625										
ZZZZZZ	ZZZZZZ	1631										
ZZZZZZ	ZZZZZZ	1640										
ZZZZZZ	ZZZZZZ	1643										
CCV05	CCV05	1646	103		102		99		107		108	
CCB05	CCB05	1655	94		98		98		101		102	
ZZZZZZ	ZZZZZZ	1700										
Q3393-01	PR132-S10-01	1715	103		115		96		104		104	
Q3393-02	PR132-S10-01	1718	104		116		96		101		103	
Q3393-03	PR132-S08-01	1722	117		137	*	101		109		110	
Q3393-04	PR132-S06-01	1725	110		122		101		108		109	
Q3393-05	PR132-S08-01	1728	113		131	*	98		107		108	
ZZZZZZ	ZZZZZZ	1731										
ZZZZZZ	ZZZZZZ	1734										
Q3395-02DUP	PR132-S07-01	1741	112		127		99		106		108	

Internal Standard %RI Limit: 70 - 130

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM

Contract: AECO02

Lab Code: ACE

SDG No.: Q3393

Instrument ID: P7

Start Date : 10/22/2025

Run Number: LB137619

End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q	Element 165Ho	Q
Q3395-02L	PR132-S07-01	1744	101		106		102		104		106	
CCV06	CCV06	1759	96		96		93		102		102	
CCB06	CCB06	1810	89		93		93		97		97	
Q3395-03	PR132-S07-01	1815	108		121		94		104		103	
Q3395-04	PR132-S07-01	1818	109		123		97		104		104	
Q3395-02A	PR132-S07-01	1821	107		119		96		103		103	
ZZZZZZ	ZZZZZZ	1823										
ZZZZZZ	ZZZZZZ	1826										
ZZZZZZ	ZZZZZZ	1829										
CCV07	CCV07	1841	95		95		92		99		100	
CCB07	CCB07	1849	90		94		95		97		96	
ZZZZZZ	ZZZZZZ	1912										
ZZZZZZ	ZZZZZZ	1915										
ZZZZZZ	ZZZZZZ	1918										
ZZZZZZ	ZZZZZZ	1922										
ZZZZZZ	ZZZZZZ	1925										
ZZZZZZ	ZZZZZZ	1928										
ZZZZZZ	ZZZZZZ	1931										
ZZZZZZ	ZZZZZZ	1934										
ZZZZZZ	ZZZZZZ	1937										
ZZZZZZ	ZZZZZZ	1941										
CCV08	CCV08	1944	93		95		91		100		100	
CCB08	CCB08	1952	89		93		93		95		95	
ZZZZZZ	ZZZZZZ	1957										
ZZZZZZ	ZZZZZZ	2000										
ZZZZZZ	ZZZZZZ	2003										
ZZZZZZ	ZZZZZZ	2006										
ZZZZZZ	ZZZZZZ	2009										
Q3393-01	PR132-S10-01	2012	94		97		94		98		97	
Q3393-02	PR132-S10-01	2016	95		99		95		100		98	
Q3393-03	PR132-S08-01	2019	96		103		97		100		99	
Q3393-04	PR132-S06-01	2022	95		100		96		97		98	
Q3393-05	PR132-S08-01	2025	95		99		94		99		99	
CCV09	CCV09	2028	92		93		90		98		98	
CCB09	CCB09	2031	89		94		93		97		96	
ZZZZZZ	ZZZZZZ	2035										

Internal Standard %RI Limit: 70 - 130

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM

Contract: AECO02

Lab Code: ACE

SDG No.: Q3393

Instrument ID: P7

Start Date : 10/22/2025

Run Number: LB137619

End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q	Element 165Ho	Q
ZZZZZZ	ZZZZZZ	2038										
Q3395-02DUP	PR132-S07-0	2041	95		101		95		100		100	
Q3395-02L	PR132-S07-0	2044	94		97		96		98		99	
Q3395-03	PR132-S07-0	2048	96		102		95		100		100	
Q3395-04	PR132-S07-0	2051	96		100		96		100		100	
Q3395-02A	PR132-S07-0	2054	96		100		95		98		99	
ZZZZZZ	ZZZZZZ	2057										
ZZZZZZ	ZZZZZZ	2100										
CCV10	CCV10	2103	92		94		91		101		101	
CCB10	CCB10	2106	89		94		96		99		98	

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM
Lab Code: ACE
Instrument ID: P7
Run Number: LB137619

Contract: AECO02
SDG No.: Q3393
Start Date : 10/22/2025
End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 165Ho	Q	Element 209Bi	Q	Element	Q	Element	Q	Element	Q
S0	S0	1154	100		100							
S2	S2	1157	98		99							
S3	S3	1204	97		99							
S4	S4	1207	99		100							
S5	S5	1210	99		99							
S6	S6	1213	101		102							
S7	S7	1216	102		103							
S8	S8	1219	103		95							
ICV01	ICV01	1238	100		100							
LLICV01	LLICV01	1312	97		96							
ICB01	ICB01	1316	97		95							
ICSA01	ICSA01	1320	101		98							
ICSAB01	ICSAB01	1323	105		100							
CCV01	CCV01	1327	106		100							
CCB01	CCB01	1330	99		97							
CRI01	CRI01	1333	101		99							
ZZZZZZ	ZZZZZZ	1340										
ZZZZZZ	ZZZZZZ	1343										
ZZZZZZ	ZZZZZZ	1346										
ZZZZZZ	ZZZZZZ	1349										
ZZZZZZ	ZZZZZZ	1353										
ZZZZZZ	ZZZZZZ	1356										
ZZZZZZ	ZZZZZZ	1359										
ZZZZZZ	ZZZZZZ	1402										
ZZZZZZ	ZZZZZZ	1408										
CCV02	CCV02	1411	104		98							
CCB02	CCB02	1418	101		99							
ZZZZZZ	ZZZZZZ	1421										
ZZZZZZ	ZZZZZZ	1424										
ZZZZZZ	ZZZZZZ	1427										
ZZZZZZ	ZZZZZZ	1430										
ZZZZZZ	ZZZZZZ	1434										
ZZZZZZ	ZZZZZZ	1437										
ZZZZZZ	ZZZZZZ	1440										

Internal Standard %RI Limit: 70 -130

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM

Contract: AECO02

Lab Code: ACE

SDG No.: Q3393

Instrument ID: P7

Start Date : 10/22/2025

Run Number: LB137619

End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 165Ho	Q	Element 209Bi	Q	Element	Q	Element	Q	Element	Q
ZZZZZZ	ZZZZZZ	1443										
ZZZZZZ	ZZZZZZ	1446										
ZZZZZZ	ZZZZZZ	1449										
CCV03	CCV03	1454	101		94							
CCB03	CCB03	1505	100		97							
ZZZZZZ	ZZZZZZ	1514										
ZZZZZZ	ZZZZZZ	1517										
ZZZZZZ	ZZZZZZ	1520										
ZZZZZZ	ZZZZZZ	1524										
PB170186BL	PB170186BL	1527	97		97							
PB170186BS	PB170186BS	1530	101		97							
ZZZZZZ	ZZZZZZ	1533										
ZZZZZZ	ZZZZZZ	1536										
ZZZZZZ	ZZZZZZ	1539										
ZZZZZZ	ZZZZZZ	1542										
CCV04	CCV04	1545	101		96							
CCB04	CCB04	1600	95		96							
ZZZZZZ	ZZZZZZ	1603										
ZZZZZZ	ZZZZZZ	1606										
ZZZZZZ	ZZZZZZ	1609										
ZZZZZZ	ZZZZZZ	1613										
ZZZZZZ	ZZZZZZ	1616										
ZZZZZZ	ZZZZZZ	1619										
ZZZZZZ	ZZZZZZ	1625										
ZZZZZZ	ZZZZZZ	1631										
ZZZZZZ	ZZZZZZ	1640										
ZZZZZZ	ZZZZZZ	1643										
CCV05	CCV05	1646	107		99							
CCB05	CCB05	1655	100		98							
ZZZZZZ	ZZZZZZ	1700										
Q3393-01	PR132-S10-00	1715	100		100							
Q3393-02	PR132-S10-02	1718	104		106							
Q3393-03	PR132-S08-01	1722	106		105							
Q3393-04	PR132-S06-00	1725	106		107							

Internal Standard %RI Limit: 70 -130

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM
Lab Code: ACE
Instrument ID: P7
Run Number: LB137619

Contract: AECO02
SDG No.: Q3393
Start Date : 10/22/2025
End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 165Ho	Q	Element 209Bi	Q	Element	Q	Element	Q	Element	Q
Q3393-05	PR132-S08-00	1728	105		106							
ZZZZZZ	ZZZZZZ	1731										
ZZZZZZ	ZZZZZZ	1734										
Q3395-02DUP	PR132-S07-00	1741	106		105							
Q3395-02L	PR132-S07-00	1744	103		101							
CCV06	CCV06	1759	101		94							
CCB06	CCB06	1810	97		95							
Q3395-03	PR132-S07-00	1815	101		106							
Q3395-04	PR132-S07-00	1818	103		111							
Q3395-02A	PR132-S07-00	1821	103		104							
ZZZZZZ	ZZZZZZ	1823										
ZZZZZZ	ZZZZZZ	1826										
ZZZZZZ	ZZZZZZ	1829										
CCV07	CCV07	1841	100		93							
CCB07	CCB07	1849	96		95							
ZZZZZZ	ZZZZZZ	1912										
ZZZZZZ	ZZZZZZ	1915										
ZZZZZZ	ZZZZZZ	1918										
ZZZZZZ	ZZZZZZ	1922										
ZZZZZZ	ZZZZZZ	1925										
ZZZZZZ	ZZZZZZ	1928										
ZZZZZZ	ZZZZZZ	1931										
ZZZZZZ	ZZZZZZ	1934										
ZZZZZZ	ZZZZZZ	1937										
ZZZZZZ	ZZZZZZ	1941										
CCV08	CCV08	1944	100		93							
CCB08	CCB08	1952	93		93							
ZZZZZZ	ZZZZZZ	1957										
ZZZZZZ	ZZZZZZ	2000										
ZZZZZZ	ZZZZZZ	2003										
ZZZZZZ	ZZZZZZ	2006										
ZZZZZZ	ZZZZZZ	2009										
Q3393-01	PR132-S10-00	2012	95		93							
Q3393-02	PR132-S10-02	2016	96		95							

Internal Standard %RI Limit: 70 -130

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM
Lab Code: ACE
Instrument ID: P7
Run Number: LB137619

Contract: AECO02
SDG No.: Q3393
Start Date : 10/22/2025
End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 165Ho	Q	Element 209Bi	Q	Element	Q	Element	Q	Element	Q
Q3393-03	PR132-S08-01	2019	96		94							
Q3393-04	PR132-S06-00	2022	97		96							
Q3393-05	PR132-S08-00	2025	96		96							
CCV09	CCV09	2028	98		91							
CCB09	CCB09	2031	93		92							
ZZZZZZ	ZZZZZZ	2035										
ZZZZZZ	ZZZZZZ	2038										
Q3395-02DUP	PR132-S07-00	2041	98		97							
Q3395-02L	PR132-S07-00	2044	97		95							
Q3395-03	PR132-S07-00	2048	99		97							
Q3395-04	PR132-S07-00	2051	98		99							
Q3395-02A	PR132-S07-00	2054	97		95							
ZZZZZZ	ZZZZZZ	2057										
ZZZZZZ	ZZZZZZ	2100										
CCV10	CCV10	2103	98		92							
CCB10	CCB10	2106	98		97							

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM

Contract: AECO02

Lab Code: ACE

SDG No.: Q3393

Instrument ID: P7

Start Date : 10/22/2025

Run Number: LB137619

End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
S0	S0	1154	100									
S2	S2	1157	101									
S3	S3	1204	99									
S4	S4	1207	97									
S5	S5	1210	97									
S6	S6	1213	98									
S7	S7	1216	97									
S8	S8	1219	94									
ICV01	ICV01	1238	102									
LLICV01	LLICV01	1312	97									
ICB01	ICB01	1316	99									
ICSA01	ICSA01	1320	95									
ICSAB01	ICSAB01	1323	99									
CCV01	CCV01	1327	96									
CCB01	CCB01	1330	98									
CRI01	CRI01	1333	99									
ZZZZZZ	ZZZZZZ	1340										
ZZZZZZ	ZZZZZZ	1343										
ZZZZZZ	ZZZZZZ	1346										
ZZZZZZ	ZZZZZZ	1349										
ZZZZZZ	ZZZZZZ	1353										
ZZZZZZ	ZZZZZZ	1356										
ZZZZZZ	ZZZZZZ	1359										
ZZZZZZ	ZZZZZZ	1402										
ZZZZZZ	ZZZZZZ	1408										
CCV02	CCV02	1411	97									
CCB02	CCB02	1418	100									
ZZZZZZ	ZZZZZZ	1421										
ZZZZZZ	ZZZZZZ	1424										
ZZZZZZ	ZZZZZZ	1427										
ZZZZZZ	ZZZZZZ	1430										
ZZZZZZ	ZZZZZZ	1434										
ZZZZZZ	ZZZZZZ	1437										
ZZZZZZ	ZZZZZZ	1440										

Internal Standard %RI Limit: 70 -130

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM

Contract: AECO02

Lab Code: ACE

SDG No.: Q3393

Instrument ID: P7

Start Date : 10/22/2025

Run Number: LB137619

End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
ZZZZZZ	ZZZZZZ	1443										
ZZZZZZ	ZZZZZZ	1446										
ZZZZZZ	ZZZZZZ	1449										
CCV03	CCV03	1454	93									
CCB03	CCB03	1505	99									
ZZZZZZ	ZZZZZZ	1514										
ZZZZZZ	ZZZZZZ	1517										
ZZZZZZ	ZZZZZZ	1520										
ZZZZZZ	ZZZZZZ	1524										
PB170186BL	PB170186BL	1527	98									
PB170186BS	PB170186BS	1530	97									
ZZZZZZ	ZZZZZZ	1533										
ZZZZZZ	ZZZZZZ	1536										
ZZZZZZ	ZZZZZZ	1539										
ZZZZZZ	ZZZZZZ	1542										
CCV04	CCV04	1545	93									
CCB04	CCB04	1600	95									
ZZZZZZ	ZZZZZZ	1603										
ZZZZZZ	ZZZZZZ	1606										
ZZZZZZ	ZZZZZZ	1609										
ZZZZZZ	ZZZZZZ	1613										
ZZZZZZ	ZZZZZZ	1616										
ZZZZZZ	ZZZZZZ	1619										
ZZZZZZ	ZZZZZZ	1625										
ZZZZZZ	ZZZZZZ	1631										
ZZZZZZ	ZZZZZZ	1640										
ZZZZZZ	ZZZZZZ	1643										
CCV05	CCV05	1646	97									
CCB05	CCB05	1655	96									
ZZZZZZ	ZZZZZZ	1700										
Q3393-01	PR132-S10-00	1715	101									
Q3393-02	PR132-S10-02	1718	101									
Q3393-03	PR132-S08-01	1722	104									
Q3393-04	PR132-S06-00	1725	106									

Internal Standard %RI Limit: 70 -130

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM

Contract: AECO02

Lab Code: ACE

SDG No.: Q3393

Instrument ID: P7

Start Date : 10/22/2025

Run Number: LB137619

End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
Q3393-05	PR132-S08-00	1728	105									
ZZZZZZ	ZZZZZZ	1731										
ZZZZZZ	ZZZZZZ	1734										
Q3395-02DUP	PR132-S07-00	1741	103									
Q3395-02L	PR132-S07-00	1744	99									
CCV06	CCV06	1759	93									
CCB06	CCB06	1810	93									
Q3395-03	PR132-S07-00	1815	106									
Q3395-04	PR132-S07-00	1818	107									
Q3395-02A	PR132-S07-00	1821	100									
ZZZZZZ	ZZZZZZ	1823										
ZZZZZZ	ZZZZZZ	1826										
ZZZZZZ	ZZZZZZ	1829										
CCV07	CCV07	1841	91									
CCB07	CCB07	1849	93									
ZZZZZZ	ZZZZZZ	1912										
ZZZZZZ	ZZZZZZ	1915										
ZZZZZZ	ZZZZZZ	1918										
ZZZZZZ	ZZZZZZ	1922										
ZZZZZZ	ZZZZZZ	1925										
ZZZZZZ	ZZZZZZ	1928										
ZZZZZZ	ZZZZZZ	1931										
ZZZZZZ	ZZZZZZ	1934										
ZZZZZZ	ZZZZZZ	1937										
ZZZZZZ	ZZZZZZ	1941										
CCV08	CCV08	1944	89									
CCB08	CCB08	1952	93									
ZZZZZZ	ZZZZZZ	1957										
ZZZZZZ	ZZZZZZ	2000										
ZZZZZZ	ZZZZZZ	2003										
ZZZZZZ	ZZZZZZ	2006										
ZZZZZZ	ZZZZZZ	2009										
Q3393-01	PR132-S10-00	2012	93									
Q3393-02	PR132-S10-02	2016	95									

Internal Standard %RI Limit: 70 -130

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM
Lab Code: ACE
Instrument ID: P7
Run Number: LB137619

Contract: AECO02
SDG No.: Q3393
Start Date : 10/22/2025
End Date : 10/22/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
Q3393-03	PR132-S08-01	2019	94									
Q3393-04	PR132-S06-00	2022	95									
Q3393-05	PR132-S08-00	2025	94									
CCV09	CCV09	2028	88									
CCB09	CCB09	2031	93									
ZZZZZZ	ZZZZZZ	2035										
ZZZZZZ	ZZZZZZ	2038										
Q3395-02DUP	PR132-S07-00	2041	96									
Q3395-02L	PR132-S07-00	2044	93									
Q3395-03	PR132-S07-00	2048	97									
Q3395-04	PR132-S07-00	2051	97									
Q3395-02A	PR132-S07-00	2054	94									
ZZZZZZ	ZZZZZZ	2057										
ZZZZZZ	ZZZZZZ	2100										
CCV10	CCV10	2103	90									
CCB10	CCB10	2106	96									

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

PR132-S07-000102-20251017L

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **Lb No.:** lb137619 **Lab Sample ID :** Q3395-02L **SDG No.:** Q3393
Matrix (soil/water): Solid **Level (low/med):** LOW
Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Differ-ence	Q	M
Aluminum	15400		16500		7		P
Antimony	0.23	J	1.80	U	100.0		P
Arsenic	40.2		45.9		14		P
Barium	294		275		6		P
Beryllium	1.15		1.16		1		P
Cadmium	10.4		10.3		1		P
Calcium	6070		6560		8		P
Chromium	383	OR	407		6		P
Cobalt	13.1		14.0		8		P
Copper	417		446		7		P
Iron	41500		44800		8		P
Lead	502		516		3		P
Magnesium	8620		9240		7		P
Manganese	400		422		6		P
Nickel	61.2		66.0		8		P
Mercury	5.01	OR	5.77		15		CV
Potassium	3350		3600		8		P
Selenium	2.47		3.07	J	24		P
Silver	8.09		8.11		0		P
Sodium	9850		10700		9		P
Thallium	0.43		0.43	J	2		P
Vanadium	66.4		70.0		5		P
Zinc	574		623		9		P



METAL PREPARATION & INSTRUMENT DATA

METAL PREPARATION & ANALYICAL SUMMARY

Metals

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SAMPLE PREPARATION SUMMARY

Client: AECOM

SDG No.: Q3393

Contract: AECO02

Lab Code: ACE

Method: _____

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB170186							
PB170186BL	PB170186BL	MB	SOLID	10/21/2025	1.00	100.0	100.00
PB170186BS	PB170186BS	LCS	SOLID	10/21/2025	1.00	100.0	100.00
Q3393-01	PR132-S10-000022-20251017	SAM	SOLID	10/21/2025	1.27	100.0	56.00
Q3393-02	PR132-S10-022047-20251017	SAM	SOLID	10/21/2025	1.20	100.0	54.00
Q3393-03	PR132-S08-013038-20251017	SAM	SOLID	10/21/2025	1.16	100.0	52.80
Q3393-04	PR132-S06-000021-20251017	SAM	SOLID	10/21/2025	1.14	100.0	56.20
Q3393-05	PR132-S08-000013-20251017	SAM	SOLID	10/21/2025	1.20	100.0	52.00
Q3395-02DUP	PR132-S07-000102-20251017DUP	DUP	SOLID	10/21/2025	1.23	100.0	47.90
Q3395-03	PR132-S07-000102-20251017MS	MS	SOLID	10/21/2025	1.20	100.0	47.90
Q3395-04	PR132-S07-000102-20251017MSD	MSD	SOLID	10/21/2025	1.22	100.0	47.90

Metals

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SAMPLE PREPARATION SUMMARY

Client: AECOM

SDG No.: Q3393

Contract: AECO02

Lab Code: ACE

Method: _____

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB170201							
PB170201BL	PB170201BL	MB	SOLID	10/21/2025	0.54	35.0	100.00
PB170201BS	PB170201BS	LCS	SOLID	10/21/2025	0.57	35.0	100.00
Q3393-01	PR132-S10-000022-20251017	SAM	SOLID	10/21/2025	0.60	35.0	56.00
Q3393-02	PR132-S10-022047-20251017	SAM	SOLID	10/21/2025	0.52	35.0	54.00
Q3393-03	PR132-S08-013038-20251017	SAM	SOLID	10/21/2025	0.53	35.0	52.80
Q3393-04	PR132-S06-000021-20251017	SAM	SOLID	10/21/2025	0.55	35.0	56.20
Q3393-05	PR132-S08-000013-20251017	SAM	SOLID	10/21/2025	0.59	35.0	52.00
Q3395-02DUP	PR132-S07-000102-20251017DUP	DUP	SOLID	10/21/2025	0.57	35.0	47.90
Q3395-03	PR132-S07-000102-20251017MS	MS	SOLID	10/21/2025	0.59	35.0	47.90
Q3395-04	PR132-S07-000102-20251017MSD	MSD	SOLID	10/21/2025	0.60	35.0	47.90

metals
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ANALYSIS RUN LOG

Client: AECOM

Contract: AECO02

Lab code: ACE

Sdg no.: Q3393

Instrument id number: _____

Method: _____

Run number: LB137610

Start date: 10/22/2025

End date: 10/22/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1113	HG
S0.2	S0.2	1	1116	HG
S2.5	S2.5	1	1118	HG
S5	S5	1	1120	HG
S7.5	S7.5	1	1123	HG
S10	S10	1	1125	HG
ICV83	ICV83	1	1129	HG
ICB83	ICB83	1	1131	HG
CCV71	CCV71	1	1134	HG
CCB71	CCB71	1	1136	HG
CRA	CRA	1	1139	HG
PB170201BL	PB170201BL	1	1149	HG
PB170201BS	PB170201BS	1	1151	HG
CCV72	CCV72	1	1214	HG
CCB72	CCB72	1	1216	HG
CCV73	CCV73	1	1248	HG
CCB73	CCB73	1	1254	HG
Q3395-02L	PR132-S07-000102-20251017L	5	1308	HG
Q3393-01	PR132-S10-000022-20251017	5	1313	HG
Q3393-02	PR132-S10-022047-20251017	5	1315	HG
Q3393-03	PR132-S08-013038-20251017	5	1318	HG
Q3393-04	PR132-S06-000021-20251017	5	1320	HG
CCV74	CCV74	1	1323	HG
CCB74	CCB74	1	1326	HG
Q3393-05	PR132-S08-000013-20251017	10	1335	HG
Q3395-02DUP	PR132-S07-000102-20251017DI	10	1352	HG
Q3395-03	PR132-S07-000102-20251017M	10	1354	HG
Q3395-04	PR132-S07-000102-20251017M	10	1357	HG
CCV75	CCV75	1	1411	HG
CCB75	CCB75	1	1413	HG
CCV76	CCV76	1	1442	HG
CCB76	CCB76	1	1444	HG
CCV77	CCV77	1	1459	HG
CCB77	CCB77	1	1502	HG

metals
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ANALYSIS RUN LOG

Client: AECOM

Contract: AECO02

Lab code: ACE

Sdg no.: Q3393

Instrument id number: _____

Method: _____

Run number: LB137619

Start date: 10/22/2025

End date: 10/22/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1154	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	1157	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	1204	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	1207	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	1210	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S6	S6	1	1213	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S7	S7	1	1216	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S8	S8	1	1219	Al,Ca,Fe,K,Mg,Na
ICV01	ICV01	1	1238	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	1312	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	1316	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	1320	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	1323	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	1327	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	1330	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	1333	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	1411	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	1418	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	1454	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	1505	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB170186BL	PB170186BL	1	1527	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB170186BS	PB170186BS	1	1530	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	1545	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	1600	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	1646	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	1655	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3393-01	PR132-S10-000022-20251017	1	1715	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3393-02	PR132-S10-022047-20251017	1	1718	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3393-03	PR132-S08-013038-20251017	1	1722	Ag,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Tl,V,Zn
Q3393-04	PR132-S06-000021-20251017	1	1725	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3393-05	PR132-S08-000013-20251017	1	1728	Ag,Al,Ba,Be,Ca,Cd,Co,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3395-02DUP	PR132-S07-000102-20251017DI	1	1741	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3395-02L	PR132-S07-000102-20251017L	5	1744	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	1759	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	1810	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3395-03	PR132-S07-000102-20251017M	1	1815	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cu,K,Mg,Mn,Na,Sb,Se,Tl,V,Zn
Q3395-04	PR132-S07-000102-20251017M	1	1818	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cu,K,Mg,Mn,Na,Sb,Se,Tl,V,Zn
Q3395-02A	PR132-S07-000102-20251017A	1	1821	Ag,Ba,Se
CCV07	CCV07	1	1841	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	1849	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	1944	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

metals
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ANALYSIS RUN LOG

Client: AECOM

Contract: AECO02

Lab code: ACE

Sdg no.: Q3393

Instrument id number: _____

Method: _____

Run number: LB137619

Start date: 10/22/2025

End date: 10/22/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
CCB08	CCB08	1	1952	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3393-01	PR132-S10-000022-20251017	5	2012	Cr
Q3393-02	PR132-S10-022047-20251017	5	2016	Cr
Q3393-03	PR132-S08-013038-20251017	5	2019	Al,As,Fe,Se
Q3393-04	PR132-S06-000021-20251017	5	2022	Cr
Q3393-05	PR132-S08-000013-20251017	5	2025	As,Cr,Fe
CCV09	CCV09	1	2028	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB09	CCB09	1	2031	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3395-02DUP	PR132-S07-000102-20251017DI	5	2041	Cr
Q3395-03	PR132-S07-000102-20251017M	5	2048	Cr,Fe,Ni,Pb
Q3395-04	PR132-S07-000102-20251017M	5	2051	Cr,Fe,Ni,Pb
Q3395-02A	PR132-S07-000102-20251017A	5	2054	Ni,Pb
CCV10	CCV10	1	2103	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB10	CCB10	1	2106	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn