

LAB CHRONICLE

OrderID:	Q3363	OrderDate:	10/16/2025 10:56:42 AM
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
Q3363-01	PR132-SO1-085011-2 0251015	SOIL			10/15/25			10/15/25
			Mercury	7471B		10/17/25	10/17/25	
			Metals ICP-TAL	6020B		10/16/25	10/22/25	
Q3363-02	PR132-SO1-039085-2 0251015	SOIL			10/15/25			10/15/25
			Mercury	7471B		10/17/25	10/17/25	
			Metals ICP-TAL	6020B		10/16/25	10/22/25	
Q3363-03	PR132-SO3-028010-2 0251015	SOIL			10/15/25			10/15/25
			Mercury	7471B		10/17/25	10/17/25	
			Metals ICP-TAL	6020B		10/16/25	10/22/25	
Q3363-04	PR132-SO3-010013-2 0251015	SOIL			10/15/25			10/15/25
			Mercury	7471B		10/17/25	10/17/25	
			Metals ICP-TAL	6020B		10/16/25	10/22/25	
Q3363-05	COMP01-20251015	SOIL			10/15/25			10/15/25
			Mercury	7471B		10/17/25	10/17/25	
			Metals ICP-TAL	6020B		10/16/25	10/22/25	

Hit Summary Sheet
SW-846

SDG No.: Q3363 **Order ID:** Q3363
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-SO1-085011-20251015							
Q3363-01	PR132-SO1-085011-20251015	SOIL	Aluminum	11600	J	0.67	3.70	mg/Kg
Q3363-01	PR132-SO1-085011-20251015	SOIL	Antimony	0.33		0.083	0.37	mg/Kg
Q3363-01	PR132-SO1-085011-20251015	SOIL	Arsenic	43.8		0.022	0.19	mg/Kg
Q3363-01	PR132-SO1-085011-20251015	SOIL	Barium	378		0.061	1.85	mg/Kg
Q3363-01	PR132-SO1-085011-20251015	SOIL	Beryllium	0.85		0.059	0.19	mg/Kg
Q3363-01	PR132-SO1-085011-20251015	SOIL	Cadmium	5.52		0.033	0.19	mg/Kg
Q3363-01	PR132-SO1-085011-20251015	SOIL	Calcium	4900		8.85	92.4	mg/Kg
Q3363-01	PR132-SO1-085011-20251015	SOIL	Chromium	166		0.048	0.37	mg/Kg
Q3363-01	PR132-SO1-085011-20251015	SOIL	Cobalt	9.74		0.017	0.19	mg/Kg
Q3363-01	PR132-SO1-085011-20251015	SOIL	Copper	336		0.12	0.37	mg/Kg
Q3363-01	PR132-SO1-085011-20251015	SOIL	Iron	31700		1.70	9.24	mg/Kg
Q3363-01	PR132-SO1-085011-20251015	SOIL	Lead	536		0.059	0.19	mg/Kg
Q3363-01	PR132-SO1-085011-20251015	SOIL	Magnesium	6070		3.57	92.4	mg/Kg
Q3363-01	PR132-SO1-085011-20251015	SOIL	Manganese	304		0.063	0.19	mg/Kg
Q3363-01	PR132-SO1-085011-20251015	SOIL	Nickel	47.2		0.079	0.19	mg/Kg
Q3363-01	PR132-SO1-085011-20251015	SOIL	Mercury	4.21	D	0.13	0.23	mg/Kg
Q3363-01	PR132-SO1-085011-20251015	SOIL	Potassium	2650		7.10	92.4	mg/Kg
Q3363-01	PR132-SO1-085011-20251015	SOIL	Selenium	3.28		0.52	0.92	mg/Kg
Q3363-01	PR132-SO1-085011-20251015	SOIL	Silver	5.94		0.048	0.19	mg/Kg
Q3363-01	PR132-SO1-085011-20251015	SOIL	Sodium	4340		13.0	92.4	mg/Kg
Q3363-01	PR132-SO1-085011-20251015	SOIL	Thallium	0.45		0.026	0.19	mg/Kg
Q3363-01	PR132-SO1-085011-20251015	SOIL	Vanadium	40.4		0.020	0.92	mg/Kg
Q3363-01	PR132-SO1-085011-20251015	SOIL	Zinc	604		0.17	0.92	mg/Kg
Client ID :	PR132-SO1-039085-20251015							
Q3363-02	PR132-SO1-039085-20251015	SOIL	Aluminum	12000	D	0.56	3.10	mg/Kg
Q3363-02	PR132-SO1-039085-20251015	SOIL	Antimony	0.62		0.070	0.31	mg/Kg
Q3363-02	PR132-SO1-039085-20251015	SOIL	Arsenic	40.7		0.019	0.16	mg/Kg
Q3363-02	PR132-SO1-039085-20251015	SOIL	Barium	327		0.051	1.55	mg/Kg
Q3363-02	PR132-SO1-039085-20251015	SOIL	Beryllium	1.11		0.050	0.16	mg/Kg
Q3363-02	PR132-SO1-039085-20251015	SOIL	Cadmium	10.3		0.028	0.16	mg/Kg
Q3363-02	PR132-SO1-039085-20251015	SOIL	Calcium	8020		7.42	77.5	mg/Kg
Q3363-02	PR132-SO1-039085-20251015	SOIL	Chromium	369		0.20	1.55	mg/Kg
Q3363-02	PR132-SO1-039085-20251015	SOIL	Cobalt	12.7		0.014	0.16	mg/Kg
Q3363-02	PR132-SO1-039085-20251015	SOIL	Copper	375		0.10	0.31	mg/Kg
Q3363-02	PR132-SO1-039085-20251015	SOIL	Iron	35300		1.43	7.75	mg/Kg
Q3363-02	PR132-SO1-039085-20251015	SOIL	Lead	548		0.050	0.16	mg/Kg
Q3363-02	PR132-SO1-039085-20251015	SOIL	Magnesium	7460		2.99	77.5	mg/Kg

Hit Summary Sheet
SW-846

SDG No.:	Q3363	Order ID:	Q3363
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
Q3363-02	PR132-SO1-039085-20251015	SOIL	Manganese	322		0.053	0.16	mg/Kg
Q3363-02	PR132-SO1-039085-20251015	SOIL	Nickel	83.0		0.067	0.16	mg/Kg
Q3363-02	PR132-SO1-039085-20251015	SOIL	Mercury	18.4	D	0.57	1.03	mg/Kg
Q3363-02	PR132-SO1-039085-20251015	SOIL	Potassium	2530		5.95	77.5	mg/Kg
Q3363-02	PR132-SO1-039085-20251015	SOIL	Selenium	2.37		0.43	0.78	mg/Kg
Q3363-02	PR132-SO1-039085-20251015	SOIL	Silver	8.31		0.040	0.16	mg/Kg
Q3363-02	PR132-SO1-039085-20251015	SOIL	Sodium	5680		10.9	77.5	mg/Kg
Q3363-02	PR132-SO1-039085-20251015	SOIL	Thallium	0.36		0.022	0.16	mg/Kg
Q3363-02	PR132-SO1-039085-20251015	SOIL	Vanadium	65.6		0.017	0.78	mg/Kg
Q3363-02	PR132-SO1-039085-20251015	SOIL	Zinc	647		0.14	0.78	mg/Kg

Client ID : PR132-SO3-028010-20251015

Q3363-03	PR132-SO3-028010-20251015	SOIL	Aluminum	8670		0.61	3.38	mg/Kg
Q3363-03	PR132-SO3-028010-20251015	SOIL	Antimony	0.77		0.076	0.34	mg/Kg
Q3363-03	PR132-SO3-028010-20251015	SOIL	Arsenic	26.8		0.020	0.17	mg/Kg
Q3363-03	PR132-SO3-028010-20251015	SOIL	Barium	247		0.056	1.69	mg/Kg
Q3363-03	PR132-SO3-028010-20251015	SOIL	Beryllium	0.74		0.054	0.17	mg/Kg
Q3363-03	PR132-SO3-028010-20251015	SOIL	Cadmium	8.00		0.030	0.17	mg/Kg
Q3363-03	PR132-SO3-028010-20251015	SOIL	Calcium	6840		8.09	84.5	mg/Kg
Q3363-03	PR132-SO3-028010-20251015	SOIL	Chromium	226	D	0.22	1.69	mg/Kg
Q3363-03	PR132-SO3-028010-20251015	SOIL	Cobalt	10.7		0.015	0.17	mg/Kg
Q3363-03	PR132-SO3-028010-20251015	SOIL	Copper	305		0.11	0.34	mg/Kg
Q3363-03	PR132-SO3-028010-20251015	SOIL	Iron	23700		1.55	8.45	mg/Kg
Q3363-03	PR132-SO3-028010-20251015	SOIL	Lead	701		0.054	0.17	mg/Kg
Q3363-03	PR132-SO3-028010-20251015	SOIL	Magnesium	7250		3.26	84.5	mg/Kg
Q3363-03	PR132-SO3-028010-20251015	SOIL	Manganese	193		0.057	0.17	mg/Kg
Q3363-03	PR132-SO3-028010-20251015	SOIL	Nickel	85.3		0.073	0.17	mg/Kg
Q3363-03	PR132-SO3-028010-20251015	SOIL	Mercury	6.99	D	0.14	0.26	mg/Kg
Q3363-03	PR132-SO3-028010-20251015	SOIL	Potassium	1780		6.49	84.5	mg/Kg
Q3363-03	PR132-SO3-028010-20251015	SOIL	Selenium	1.67		0.47	0.85	mg/Kg
Q3363-03	PR132-SO3-028010-20251015	SOIL	Silver	5.78		0.044	0.17	mg/Kg
Q3363-03	PR132-SO3-028010-20251015	SOIL	Sodium	5540		11.9	84.5	mg/Kg
Q3363-03	PR132-SO3-028010-20251015	SOIL	Thallium	0.25		0.024	0.17	mg/Kg
Q3363-03	PR132-SO3-028010-20251015	SOIL	Vanadium	62.0		0.019	0.85	mg/Kg
Q3363-03	PR132-SO3-028010-20251015	SOIL	Zinc	597		0.15	0.85	mg/Kg

Client ID : PR132-SO3-010013-20251015

Q3363-04	PR132-SO3-010013-20251015	SOIL	Aluminum	13100		0.58	3.24	mg/Kg
Q3363-04	PR132-SO3-010013-20251015	SOIL	Antimony	0.29	J	0.073	0.32	mg/Kg
Q3363-04	PR132-SO3-010013-20251015	SOIL	Arsenic	54.4		0.019	0.16	mg/Kg
Q3363-04	PR132-SO3-010013-20251015	SOIL	Barium	391		0.053	1.62	mg/Kg

Hit Summary Sheet
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SDG No.:	Q3363	Order ID:	Q3363
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
Q3363-04	PR132-SO3-010013-20251015	SOIL	Beryllium	0.97		0.052	0.16	mg/Kg
Q3363-04	PR132-SO3-010013-20251015	SOIL	Cadmium	3.09		0.029	0.16	mg/Kg
Q3363-04	PR132-SO3-010013-20251015	SOIL	Calcium	6360		7.75	80.9	mg/Kg
Q3363-04	PR132-SO3-010013-20251015	SOIL	Chromium	157		0.042	0.32	mg/Kg
Q3363-04	PR132-SO3-010013-20251015	SOIL	Cobalt	11.4		0.015	0.16	mg/Kg
Q3363-04	PR132-SO3-010013-20251015	SOIL	Copper	325		0.11	0.32	mg/Kg
Q3363-04	PR132-SO3-010013-20251015	SOIL	Iron	33500		1.49	8.09	mg/Kg
Q3363-04	PR132-SO3-010013-20251015	SOIL	Lead	574		0.052	0.16	mg/Kg
Q3363-04	PR132-SO3-010013-20251015	SOIL	Magnesium	7150		3.12	80.9	mg/Kg
Q3363-04	PR132-SO3-010013-20251015	SOIL	Manganese	402		0.055	0.16	mg/Kg
Q3363-04	PR132-SO3-010013-20251015	SOIL	Nickel	49.2		0.070	0.16	mg/Kg
Q3363-04	PR132-SO3-010013-20251015	SOIL	Mercury	5.84	D	0.13	0.23	mg/Kg
Q3363-04	PR132-SO3-010013-20251015	SOIL	Potassium	2870		6.21	80.9	mg/Kg
Q3363-04	PR132-SO3-010013-20251015	SOIL	Selenium	4.91	D	2.27	4.05	mg/Kg
Q3363-04	PR132-SO3-010013-20251015	SOIL	Silver	4.66		0.042	0.16	mg/Kg
Q3363-04	PR132-SO3-010013-20251015	SOIL	Sodium	4850		11.4	80.9	mg/Kg
Q3363-04	PR132-SO3-010013-20251015	SOIL	Thallium	0.48		0.023	0.16	mg/Kg
Q3363-04	PR132-SO3-010013-20251015	SOIL	Vanadium	45.6		0.018	0.81	mg/Kg
Q3363-04	PR132-SO3-010013-20251015	SOIL	Zinc	526		0.15	0.81	mg/Kg

Client ID : COMP01-20251015

Q3363-05	COMP01-20251015	SOIL	Aluminum	18800	D	2.80	15.6	mg/Kg
Q3363-05	COMP01-20251015	SOIL	Antimony	0.15	J	0.070	0.31	mg/Kg
Q3363-05	COMP01-20251015	SOIL	Arsenic	72.7	D	0.093	0.78	mg/Kg
Q3363-05	COMP01-20251015	SOIL	Barium	137		0.051	1.56	mg/Kg
Q3363-05	COMP01-20251015	SOIL	Beryllium	1.10		0.050	0.16	mg/Kg
Q3363-05	COMP01-20251015	SOIL	Cadmium	0.98		0.028	0.16	mg/Kg
Q3363-05	COMP01-20251015	SOIL	Calcium	5160		7.45	77.8	mg/Kg
Q3363-05	COMP01-20251015	SOIL	Chromium	81.8		0.040	0.31	mg/Kg
Q3363-05	COMP01-20251015	SOIL	Cobalt	13.9		0.014	0.16	mg/Kg
Q3363-05	COMP01-20251015	SOIL	Copper	207		0.10	0.31	mg/Kg
Q3363-05	COMP01-20251015	SOIL	Iron	45900	D	7.16	38.9	mg/Kg
Q3363-05	COMP01-20251015	SOIL	Lead	406		0.050	0.16	mg/Kg
Q3363-05	COMP01-20251015	SOIL	Magnesium	7760		3.00	77.8	mg/Kg
Q3363-05	COMP01-20251015	SOIL	Manganese	836		0.053	0.16	mg/Kg
Q3363-05	COMP01-20251015	SOIL	Nickel	45.6		0.067	0.16	mg/Kg
Q3363-05	COMP01-20251015	SOIL	Mercury	6.07	D	0.14	0.25	mg/Kg
Q3363-05	COMP01-20251015	SOIL	Potassium	3190		5.98	77.8	mg/Kg
Q3363-05	COMP01-20251015	SOIL	Silver	1.34		0.040	0.16	mg/Kg
Q3363-05	COMP01-20251015	SOIL	Sodium	3530		10.9	77.8	mg/Kg
Q3363-05	COMP01-20251015	SOIL	Thallium	0.24		0.022	0.16	mg/Kg

Hit Summary Sheet
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SDG No.: Q3363

Order ID: Q3363

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
Q3363-05	COMP01-20251015	SOIL	Vanadium	45.6		0.017	0.78	mg/Kg
Q3363-05	COMP01-20251015	SOIL	Zinc	308		0.14	0.78	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-SO1-085011-20251015
Lab Sample ID: Q3363-01
Level (low/med): low

Date Collected: 10/15/25
Date Received: 10/15/25
SDG No.: Q3363
Matrix: SOIL
% Solid: 50.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	11600		1	0.67	3.70	mg/Kg	10/16/25 14:05	10/22/25 14:21	6020B	SW3050
7440-36-0	Antimony	0.33	J	1	0.083	0.37	mg/Kg	10/16/25 14:05	10/22/25 14:21	6020B	SW3050
7440-38-2	Arsenic	43.8	N	1	0.022	0.19	mg/Kg	10/16/25 14:05	10/22/25 14:21	6020B	SW3050
7440-39-3	Barium	378		1	0.061	1.85	mg/Kg	10/16/25 14:05	10/22/25 14:21	6020B	SW3050
7440-41-7	Beryllium	0.85		1	0.059	0.19	mg/Kg	10/16/25 14:05	10/22/25 14:21	6020B	SW3050
7440-43-9	Cadmium	5.52		1	0.033	0.19	mg/Kg	10/16/25 14:05	10/22/25 14:21	6020B	SW3050
7440-70-2	Calcium	4900	N	1	8.85	92.4	mg/Kg	10/16/25 14:05	10/22/25 14:21	6020B	SW3050
7440-47-3	Chromium	166	N	1	0.048	0.37	mg/Kg	10/16/25 14:05	10/22/25 14:21	6020B	SW3050
7440-48-4	Cobalt	9.74		1	0.017	0.19	mg/Kg	10/16/25 14:05	10/22/25 14:21	6020B	SW3050
7440-50-8	Copper	336	N	1	0.12	0.37	mg/Kg	10/16/25 14:05	10/22/25 14:21	6020B	SW3050
7439-89-6	Iron	31700		1	1.70	9.24	mg/Kg	10/16/25 14:05	10/22/25 14:21	6020B	SW3050
7439-92-1	Lead	536		1	0.059	0.19	mg/Kg	10/16/25 14:05	10/22/25 14:21	6020B	SW3050
7439-95-4	Magnesium	6070	N	1	3.57	92.4	mg/Kg	10/16/25 14:05	10/22/25 14:21	6020B	SW3050
7439-96-5	Manganese	304	N	1	0.063	0.19	mg/Kg	10/16/25 14:05	10/22/25 14:21	6020B	SW3050
7439-97-6	Mercury	4.21	D	10	0.13	0.23	mg/Kg	10/17/25 08:10	10/17/25 11:27	7471B	7471B
7440-02-0	Nickel	47.2	N	1	0.079	0.19	mg/Kg	10/16/25 14:05	10/22/25 14:21	6020B	SW3050
7440-09-7	Potassium	2650	N	1	7.10	92.4	mg/Kg	10/16/25 14:05	10/22/25 14:21	6020B	SW3050
7782-49-2	Selenium	3.28		1	0.52	0.92	mg/Kg	10/16/25 14:05	10/22/25 14:21	6020B	SW3050
7440-22-4	Silver	5.94	N	1	0.048	0.19	mg/Kg	10/16/25 14:05	10/22/25 14:21	6020B	SW3050
7440-23-5	Sodium	4340		1	13.0	92.4	mg/Kg	10/16/25 14:05	10/22/25 14:21	6020B	SW3050
7440-28-0	Thallium	0.45		1	0.026	0.19	mg/Kg	10/16/25 14:05	10/22/25 14:21	6020B	SW3050
7440-62-2	Vanadium	40.4		1	0.020	0.92	mg/Kg	10/16/25 14:05	10/22/25 14:21	6020B	SW3050
7440-66-6	Zinc	604	N	1	0.17	0.92	mg/Kg	10/16/25 14:05	10/22/25 14:21	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-SO1-039085-20251015
Lab Sample ID: Q3363-02
Level (low/med): low

Date Collected: 10/15/25
Date Received: 10/15/25
SDG No.: Q3363
Matrix: SOIL
% Solid: 56.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	12000		1	0.56	3.10	mg/Kg	10/16/25 14:05	10/22/25 14:24	6020B	SW3050
7440-36-0	Antimony	0.62		1	0.070	0.31	mg/Kg	10/16/25 14:05	10/22/25 14:24	6020B	SW3050
7440-38-2	Arsenic	40.7	N	1	0.019	0.16	mg/Kg	10/16/25 14:05	10/22/25 14:24	6020B	SW3050
7440-39-3	Barium	327		1	0.051	1.55	mg/Kg	10/16/25 14:05	10/22/25 14:24	6020B	SW3050
7440-41-7	Beryllium	1.11		1	0.050	0.16	mg/Kg	10/16/25 14:05	10/22/25 14:24	6020B	SW3050
7440-43-9	Cadmium	10.3		1	0.028	0.16	mg/Kg	10/16/25 14:05	10/22/25 14:24	6020B	SW3050
7440-70-2	Calcium	8020	N	1	7.42	77.5	mg/Kg	10/16/25 14:05	10/22/25 14:24	6020B	SW3050
7440-47-3	Chromium	369	DN	5	0.20	1.55	mg/Kg	10/16/25 14:05	10/22/25 19:12	6020B	SW3050
7440-48-4	Cobalt	12.7		1	0.014	0.16	mg/Kg	10/16/25 14:05	10/22/25 14:24	6020B	SW3050
7440-50-8	Copper	375	N	1	0.10	0.31	mg/Kg	10/16/25 14:05	10/22/25 14:24	6020B	SW3050
7439-89-6	Iron	35300		1	1.43	7.75	mg/Kg	10/16/25 14:05	10/22/25 14:24	6020B	SW3050
7439-92-1	Lead	548		1	0.050	0.16	mg/Kg	10/16/25 14:05	10/22/25 14:24	6020B	SW3050
7439-95-4	Magnesium	7460	N	1	2.99	77.5	mg/Kg	10/16/25 14:05	10/22/25 14:24	6020B	SW3050
7439-96-5	Manganese	322	N	1	0.053	0.16	mg/Kg	10/16/25 14:05	10/22/25 14:24	6020B	SW3050
7439-97-6	Mercury	18.4	D	50	0.57	1.03	mg/Kg	10/17/25 08:10	10/17/25 11:41	7471B	7471B
7440-02-0	Nickel	83.0	N	1	0.067	0.16	mg/Kg	10/16/25 14:05	10/22/25 14:24	6020B	SW3050
7440-09-7	Potassium	2530	N	1	5.95	77.5	mg/Kg	10/16/25 14:05	10/22/25 14:24	6020B	SW3050
7782-49-2	Selenium	2.37		1	0.43	0.78	mg/Kg	10/16/25 14:05	10/22/25 14:24	6020B	SW3050
7440-22-4	Silver	8.31	N	1	0.040	0.16	mg/Kg	10/16/25 14:05	10/22/25 14:24	6020B	SW3050
7440-23-5	Sodium	5680		1	10.9	77.5	mg/Kg	10/16/25 14:05	10/22/25 14:24	6020B	SW3050
7440-28-0	Thallium	0.36		1	0.022	0.16	mg/Kg	10/16/25 14:05	10/22/25 14:24	6020B	SW3050
7440-62-2	Vanadium	65.6		1	0.017	0.78	mg/Kg	10/16/25 14:05	10/22/25 14:24	6020B	SW3050
7440-66-6	Zinc	647	N	1	0.14	0.78	mg/Kg	10/16/25 14:05	10/22/25 14:24	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-SO3-028010-20251015
Lab Sample ID: Q3363-03
Level (low/med): low

Date Collected: 10/15/25
Date Received: 10/15/25
SDG No.: Q3363
Matrix: SOIL
% Solid: 54.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	8670		1	0.61	3.38	mg/Kg	10/16/25 14:05	10/22/25 14:27	6020B	SW3050
7440-36-0	Antimony	0.77		1	0.076	0.34	mg/Kg	10/16/25 14:05	10/22/25 14:27	6020B	SW3050
7440-38-2	Arsenic	26.8	N	1	0.020	0.17	mg/Kg	10/16/25 14:05	10/22/25 14:27	6020B	SW3050
7440-39-3	Barium	247		1	0.056	1.69	mg/Kg	10/16/25 14:05	10/22/25 14:27	6020B	SW3050
7440-41-7	Beryllium	0.74		1	0.054	0.17	mg/Kg	10/16/25 14:05	10/22/25 14:27	6020B	SW3050
7440-43-9	Cadmium	8.00		1	0.030	0.17	mg/Kg	10/16/25 14:05	10/22/25 14:27	6020B	SW3050
7440-70-2	Calcium	6840	N	1	8.09	84.5	mg/Kg	10/16/25 14:05	10/22/25 14:27	6020B	SW3050
7440-47-3	Chromium	226	DN	5	0.22	1.69	mg/Kg	10/16/25 14:05	10/22/25 19:15	6020B	SW3050
7440-48-4	Cobalt	10.7		1	0.015	0.17	mg/Kg	10/16/25 14:05	10/22/25 14:27	6020B	SW3050
7440-50-8	Copper	305	N	1	0.11	0.34	mg/Kg	10/16/25 14:05	10/22/25 14:27	6020B	SW3050
7439-89-6	Iron	23700		1	1.55	8.45	mg/Kg	10/16/25 14:05	10/22/25 14:27	6020B	SW3050
7439-92-1	Lead	701		1	0.054	0.17	mg/Kg	10/16/25 14:05	10/22/25 14:27	6020B	SW3050
7439-95-4	Magnesium	7250	N	1	3.26	84.5	mg/Kg	10/16/25 14:05	10/22/25 14:27	6020B	SW3050
7439-96-5	Manganese	193	N	1	0.057	0.17	mg/Kg	10/16/25 14:05	10/22/25 14:27	6020B	SW3050
7439-97-6	Mercury	6.99	D	10	0.14	0.26	mg/Kg	10/17/25 08:10	10/17/25 11:33	7471B	7471B
7440-02-0	Nickel	85.3	N	1	0.073	0.17	mg/Kg	10/16/25 14:05	10/22/25 14:27	6020B	SW3050
7440-09-7	Potassium	1780	N	1	6.49	84.5	mg/Kg	10/16/25 14:05	10/22/25 14:27	6020B	SW3050
7782-49-2	Selenium	1.67		1	0.47	0.85	mg/Kg	10/16/25 14:05	10/22/25 14:27	6020B	SW3050
7440-22-4	Silver	5.78	N	1	0.044	0.17	mg/Kg	10/16/25 14:05	10/22/25 14:27	6020B	SW3050
7440-23-5	Sodium	5540		1	11.9	84.5	mg/Kg	10/16/25 14:05	10/22/25 14:27	6020B	SW3050
7440-28-0	Thallium	0.25		1	0.024	0.17	mg/Kg	10/16/25 14:05	10/22/25 14:27	6020B	SW3050
7440-62-2	Vanadium	62.0		1	0.019	0.85	mg/Kg	10/16/25 14:05	10/22/25 14:27	6020B	SW3050
7440-66-6	Zinc	597	N	1	0.15	0.85	mg/Kg	10/16/25 14:05	10/22/25 14:27	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-SO3-010013-20251015
Lab Sample ID: Q3363-04
Level (low/med): low

Date Collected: 10/15/25
Date Received: 10/15/25
SDG No.: Q3363
Matrix: SOIL
% Solid: 51.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	13100		1	0.58	3.24	mg/Kg	10/16/25 14:05	10/22/25 14:30	6020B	SW3050
7440-36-0	Antimony	0.29	J	1	0.073	0.32	mg/Kg	10/16/25 14:05	10/22/25 14:30	6020B	SW3050
7440-38-2	Arsenic	54.4	N	1	0.019	0.16	mg/Kg	10/16/25 14:05	10/22/25 14:30	6020B	SW3050
7440-39-3	Barium	391		1	0.053	1.62	mg/Kg	10/16/25 14:05	10/22/25 14:30	6020B	SW3050
7440-41-7	Beryllium	0.97		1	0.052	0.16	mg/Kg	10/16/25 14:05	10/22/25 14:30	6020B	SW3050
7440-43-9	Cadmium	3.09		1	0.029	0.16	mg/Kg	10/16/25 14:05	10/22/25 14:30	6020B	SW3050
7440-70-2	Calcium	6360	N	1	7.75	80.9	mg/Kg	10/16/25 14:05	10/22/25 14:30	6020B	SW3050
7440-47-3	Chromium	157	N	1	0.042	0.32	mg/Kg	10/16/25 14:05	10/22/25 14:30	6020B	SW3050
7440-48-4	Cobalt	11.4		1	0.015	0.16	mg/Kg	10/16/25 14:05	10/22/25 14:30	6020B	SW3050
7440-50-8	Copper	325	N	1	0.11	0.32	mg/Kg	10/16/25 14:05	10/22/25 14:30	6020B	SW3050
7439-89-6	Iron	33500		1	1.49	8.09	mg/Kg	10/16/25 14:05	10/22/25 14:30	6020B	SW3050
7439-92-1	Lead	574		1	0.052	0.16	mg/Kg	10/16/25 14:05	10/22/25 14:30	6020B	SW3050
7439-95-4	Magnesium	7150	N	1	3.12	80.9	mg/Kg	10/16/25 14:05	10/22/25 14:30	6020B	SW3050
7439-96-5	Manganese	402	N	1	0.055	0.16	mg/Kg	10/16/25 14:05	10/22/25 14:30	6020B	SW3050
7439-97-6	Mercury	5.84	D	10	0.13	0.23	mg/Kg	10/17/25 08:10	10/17/25 11:35	7471B	7471B
7440-02-0	Nickel	49.2	N	1	0.070	0.16	mg/Kg	10/16/25 14:05	10/22/25 14:30	6020B	SW3050
7440-09-7	Potassium	2870	N	1	6.21	80.9	mg/Kg	10/16/25 14:05	10/22/25 14:30	6020B	SW3050
7782-49-2	Selenium	4.91	D	5	2.27	4.05	mg/Kg	10/16/25 14:05	10/22/25 19:18	6020B	SW3050
7440-22-4	Silver	4.66	N	1	0.042	0.16	mg/Kg	10/16/25 14:05	10/22/25 14:30	6020B	SW3050
7440-23-5	Sodium	4850		1	11.4	80.9	mg/Kg	10/16/25 14:05	10/22/25 14:30	6020B	SW3050
7440-28-0	Thallium	0.48		1	0.023	0.16	mg/Kg	10/16/25 14:05	10/22/25 14:30	6020B	SW3050
7440-62-2	Vanadium	45.6		1	0.018	0.81	mg/Kg	10/16/25 14:05	10/22/25 14:30	6020B	SW3050
7440-66-6	Zinc	526	N	1	0.15	0.81	mg/Kg	10/16/25 14:05	10/22/25 14:30	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: COMP01-20251015
Lab Sample ID: Q3363-05
Level (low/med): low

Date Collected: 10/15/25
Date Received: 10/15/25
SDG No.: Q3363
Matrix: SOIL
% Solid: 55.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	18800	D	5	2.80	15.6	mg/Kg	10/16/25 14:05	10/22/25 19:22	6020B	SW3050
7440-36-0	Antimony	0.15	J	1	0.070	0.31	mg/Kg	10/16/25 14:05	10/22/25 14:34	6020B	SW3050
7440-38-2	Arsenic	72.7	DN	5	0.093	0.78	mg/Kg	10/16/25 14:05	10/22/25 19:22	6020B	SW3050
7440-39-3	Barium	137		1	0.051	1.56	mg/Kg	10/16/25 14:05	10/22/25 14:34	6020B	SW3050
7440-41-7	Beryllium	1.10		1	0.050	0.16	mg/Kg	10/16/25 14:05	10/22/25 14:34	6020B	SW3050
7440-43-9	Cadmium	0.98		1	0.028	0.16	mg/Kg	10/16/25 14:05	10/22/25 14:34	6020B	SW3050
7440-70-2	Calcium	5160	N	1	7.45	77.8	mg/Kg	10/16/25 14:05	10/22/25 14:34	6020B	SW3050
7440-47-3	Chromium	81.8	N	1	0.040	0.31	mg/Kg	10/16/25 14:05	10/22/25 14:34	6020B	SW3050
7440-48-4	Cobalt	13.9		1	0.014	0.16	mg/Kg	10/16/25 14:05	10/22/25 14:34	6020B	SW3050
7440-50-8	Copper	207	N	1	0.10	0.31	mg/Kg	10/16/25 14:05	10/22/25 14:34	6020B	SW3050
7439-89-6	Iron	45900	D	5	7.16	38.9	mg/Kg	10/16/25 14:05	10/22/25 19:22	6020B	SW3050
7439-92-1	Lead	406		1	0.050	0.16	mg/Kg	10/16/25 14:05	10/22/25 14:34	6020B	SW3050
7439-95-4	Magnesium	7760	N	1	3.00	77.8	mg/Kg	10/16/25 14:05	10/22/25 14:34	6020B	SW3050
7439-96-5	Manganese	836	N	1	0.053	0.16	mg/Kg	10/16/25 14:05	10/22/25 14:34	6020B	SW3050
7439-97-6	Mercury	6.07	D	10	0.14	0.25	mg/Kg	10/17/25 08:10	10/17/25 11:38	7471B	7471B
7440-02-0	Nickel	45.6	N	1	0.067	0.16	mg/Kg	10/16/25 14:05	10/22/25 14:34	6020B	SW3050
7440-09-7	Potassium	3190	N	1	5.98	77.8	mg/Kg	10/16/25 14:05	10/22/25 14:34	6020B	SW3050
7782-49-2	Selenium	3.89	UD	5	2.18	3.89	mg/Kg	10/16/25 14:05	10/22/25 19:22	6020B	SW3050
7440-22-4	Silver	1.34	N	1	0.040	0.16	mg/Kg	10/16/25 14:05	10/22/25 14:34	6020B	SW3050
7440-23-5	Sodium	3530		1	10.9	77.8	mg/Kg	10/16/25 14:05	10/22/25 14:34	6020B	SW3050
7440-28-0	Thallium	0.24		1	0.022	0.16	mg/Kg	10/16/25 14:05	10/22/25 14:34	6020B	SW3050
7440-62-2	Vanadium	45.6		1	0.017	0.78	mg/Kg	10/16/25 14:05	10/22/25 14:34	6020B	SW3050
7440-66-6	Zinc	308	N	1	0.14	0.78	mg/Kg	10/16/25 14:05	10/22/25 14:34	6020B	SW3050

U = Not Detected

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D = Dilution

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J = Estimated Value

B = Analyte Found in Associated Method Blank

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METAL CALIBRATION DATA

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM

SDG No.: Q3363

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
ICV77	Mercury	3.87	4.0	97	90 - 110	CV	10/17/2025	10:10	LB137570

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM

SDG No.: Q3363

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
CCV50	Mercury	4.76	5.0	95	90 - 110	CV	10/17/2025	10:15	LB137570
CCV51	Mercury	4.98	5.0	100	90 - 110	CV	10/17/2025	10:44	LB137570
CCV52	Mercury	5.12	5.0	102	90 - 110	CV	10/17/2025	11:16	LB137570
CCV53	Mercury	5.24	5.0	105	90 - 110	CV	10/17/2025	11:43	LB137570

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM

SDG No.: Q3363

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.: Q3363

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.: Q3363

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

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM

SDG No.: Q3363

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
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.: Q3363
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

SDG No.: Q3363

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
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.: Q3363

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

SDG No.: Q3363

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
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

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM

SDG No.: Q3363

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.:** Q3363
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	0.16	0.2	80	70 - 130	CV	10/17/2025	10:20	LB137570
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.: Q3363

Contract: AECO02

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB77	Mercury	0.076	+/-0.2	U	0.20	CV	10/17/2025	10:12	LB137570

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM

SDG No.: Q3363

Contract: AECO02

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB50	Mercury	0.076	+/-0.2	U	0.20	CV	10/17/2025	10:17	LB137570
CCB51	Mercury	0.076	+/-0.2	U	0.20	CV	10/17/2025	10:47	LB137570
CCB52	Mercury	0.076	+/-0.2	U	0.20	CV	10/17/2025	11:18	LB137570
CCB53	Mercury	0.076	+/-0.2	U	0.20	CV	10/17/2025	11:46	LB137570

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM

SDG No.: Q3363

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.: Q3363

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.: Q3363

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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM

SDG No.: Q3363

Contract: AECO02

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.: Q3363

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.: Q3363

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.:** Q3363
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.: Q3363

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB170143BL		SOLID		Batch Number:	PB170143		Prep Date:	10/17/2025	
	Mercury	0.0070	<0.013	U	0.013	CV	10/17/2025	10:27	LB137570

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: AECOM

SDG No.: Q3363

Instrument: P7

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB170139BL	SOLID			Batch Number:	PB170139		Prep Date:	10/16/2025	
	Aluminum	0.36	<1	U	2.00	P	10/22/2025	15:14	LB137619
	Antimony	0.045	<0.1	U	0.20	P	10/22/2025	15:14	LB137619
	Arsenic	0.012	<0.05	U	0.10	P	10/22/2025	15:14	LB137619
	Barium	0.033	<0.5	U	1.00	P	10/22/2025	15:14	LB137619
	Beryllium	0.032	<0.05	U	0.10	P	10/22/2025	15:14	LB137619
	Cadmium	0.018	<0.05	U	0.10	P	10/22/2025	15:14	LB137619
	Calcium	4.79	<25	U	50.0	P	10/22/2025	15:14	LB137619
	Chromium	0.026	<0.1	U	0.20	P	10/22/2025	15:14	LB137619
	Cobalt	0.0090	<0.05	U	0.10	P	10/22/2025	15:14	LB137619
	Copper	0.065	<0.1	U	0.20	P	10/22/2025	15:14	LB137619
	Iron	0.92	<2.5	U	5.00	P	10/22/2025	15:14	LB137619
	Lead	0.032	<0.05	U	0.10	P	10/22/2025	15:14	LB137619
	Magnesium	1.93	<25	U	50.0	P	10/22/2025	15:14	LB137619
	Manganese	0.034	<0.05	U	0.10	P	10/22/2025	15:14	LB137619
	Nickel	0.043	<0.05	U	0.10	P	10/22/2025	15:14	LB137619
	Potassium	3.84	<25	U	50.0	P	10/22/2025	15:14	LB137619
	Selenium	0.28	<0.25	U	0.50	P	10/22/2025	15:14	LB137619
	Silver	0.026	<0.05	U	0.10	P	10/22/2025	15:14	LB137619
	Sodium	7.02	<25	U	50.0	P	10/22/2025	15:14	LB137619
	Thallium	0.014	<0.05	U	0.10	P	10/22/2025	15:14	LB137619
	Vanadium	0.011	<0.25	U	0.50	P	10/22/2025	15:14	LB137619
	Zinc	0.090	<0.25	U	0.50	P	10/22/2025	15:14	LB137619

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: <u>AECOM</u>	SDG No.: <u>Q3363</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.: Q3363

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.: Q3363
contract: AECO02 lab code: ACE
matrix: Solid sample id: Q3352-01 client id: TP-3MS
Percent Solids for Sample: 89.8 Spiked ID: Q3352-01MS Percent Solids for Spike Sample: 89.8

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.30		0.014	U	0.28	105		CV

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client:	<u>AECOM</u>	level:	<u>low</u>	sdg no.:	<u>Q3363</u>
contract:	<u>AECO02</u>			lab code:	<u>ACE</u>
matrix:	<u>Solid</u>	sample id:	<u>Q3352-01</u>	client id:	<u>TP-3MSD</u>
Percent Solids for Sample:	89.8	Spiked ID:	Q3352-01MSD	Percent Solids for Spike Sample:	89.8

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.30		0.014	U	0.28	106		CV

metals
- 5a -
MATRIX SPIKE SUMMARY

client: AECOM **level:** low **sdg no.:** Q3363
contract: AECO02 **lab code:** ACE
matrix: Solid **sample id:** Q3363-05 **client id:** COMP01-20251015MS

Percent Solids for Sample: 55.4 **Spiked ID:** Q3363-05MS **Percent Solids for Spike Sample:** 55.4

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	17500	D	18800	D	1600	-83		P
Antimony	mg/Kg	75 - 125	77.8		0.15	J	80.6	96		P
Arsenic	mg/Kg	75 - 125	61.4	D	72.7	D	80.6	-14	N	P
Barium	mg/Kg	75 - 125	452		137		400	78		P
Beryllium	mg/Kg	75 - 125	74.6		1.10		80.6	91		P
Cadmium	mg/Kg	75 - 125	76.5		0.98		80.6	94		P
Calcium	mg/Kg	75 - 125	11100		5160		8100	74	N	P
Chromium	mg/Kg	75 - 125	135		81.8		80.6	66	N	P
Cobalt	mg/Kg	75 - 125	80.3		13.9		80.6	82		P
Copper	mg/Kg	75 - 125	785		207		810	72	N	P
Iron	mg/Kg	75 - 125	42000	D	45900	D	4000	-96		P
Lead	mg/Kg	75 - 125	730	D	414	D	400	78		P
Magnesium	mg/Kg	75 - 125	13600		7760		8100	73	N	P
Manganese	mg/Kg	75 - 125	1360		836		810	65	N	P
Nickel	mg/Kg	75 - 125	103		45.6		80.6	71	N	P
Potassium	mg/Kg	75 - 125	5920		3190		4000	68	N	P
Selenium	mg/Kg	75 - 125	73.7	D	3.89	UD	80.6	89		P
Silver	mg/Kg	75 - 125	13.8		1.34		80.6	15	N	P
Sodium	mg/Kg	75 - 125	9970		3530		8100	80		P
Thallium	mg/Kg	75 - 125	74.6		0.24		80.6	92		P
Vanadium	mg/Kg	75 - 125	111		45.6		80.6	81		P
Zinc	mg/Kg	75 - 125	885		308		810	72	N	P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: <u>AECOM</u>	level: <u>low</u>	sdg no.: <u>Q3363</u>
contract: <u>AECO02</u>		lab code: <u>ACE</u>
matrix: <u>Solid</u>	sample id: <u>Q3363-05</u>	client id: <u>COMP01-20251015MSD</u>
Percent Solids for Sample: 55.4	Spiked ID: Q3363-05MSD	Percent Solids for Spike Sample: 55.4

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	17300	D	18800	D	1600	-99		P
Antimony	mg/Kg	75 - 125	74.2		0.15	J	77.8	95		P
Arsenic	mg/Kg	75 - 125	61.8	D	72.7	D	77.8	-14	N	P
Barium	mg/Kg	75 - 125	464		137		390	84		P
Beryllium	mg/Kg	75 - 125	68.7		1.10		77.8	87		P
Cadmium	mg/Kg	75 - 125	72.6		0.98		77.8	92		P
Calcium	mg/Kg	75 - 125	12200		5160		7800	91		P
Chromium	mg/Kg	75 - 125	138		81.8		77.8	72	N	P
Cobalt	mg/Kg	75 - 125	77.3		13.9		77.8	82		P
Copper	mg/Kg	75 - 125	804		207		780	77		P
Iron	mg/Kg	75 - 125	42100	D	45900	D	3900	-98		P
Lead	mg/Kg	75 - 125	725	D	414	D	390	80		P
Magnesium	mg/Kg	75 - 125	14500		7760		7800	86		P
Manganese	mg/Kg	75 - 125	1360		836		780	68	N	P
Nickel	mg/Kg	75 - 125	108		45.6		77.8	80		P
Potassium	mg/Kg	75 - 125	6120		3190		3900	75		P
Selenium	mg/Kg	75 - 125	74.6	D	3.89	UD	77.8	94		P
Silver	mg/Kg	75 - 125	13.3		1.34		77.8	15	N	P
Sodium	mg/Kg	75 - 125	10500		3530		7800	89		P
Thallium	mg/Kg	75 - 125	70.7		0.24		77.8	91		P
Vanadium	mg/Kg	75 - 125	109		45.6		77.8	82		P
Zinc	mg/Kg	75 - 125	873		308		780	73	N	P

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client:

AECOM

Contract:

AECO02

Matrix:

Solid

Sample ID:

Q3363-05

SDG No.:

Q3363

Lab Code:

ACE

Client ID:

COMP01-20251015A

Level:

LOW

Spiked ID:

Q3363-05A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	mg/Kg	75 - 125	54.0	D	72.7	D	77.8	-24	N	P
Calcium	mg/Kg	75 - 125	10600		5160		7800	70	N	P
Chromium	mg/Kg	75 - 125	126		81.8		77.8	56	N	P
Copper	mg/Kg	75 - 125	755		207		780	70	N	P
Magnesium	mg/Kg	75 - 125	12800		7760		7800	64	N	P
Manganese	mg/Kg	75 - 125	1280		836		780	57	N	P
Nickel	mg/Kg	75 - 125	97.8		45.6		77.8	67	N	P
Potassium	mg/Kg	75 - 125	5640		3190		3900	63	N	P
Silver	mg/Kg	75 - 125	13.0		1.34		77.8	15	N	P
Zinc	mg/Kg	75 - 125	853		308		780	70	N	P

A
B
C
D
E
F
G
H

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: <u>AECOM</u>	Level: <u>LOW</u>	SDG No.: <u>Q3363</u>
Contract: <u>AECO02</u>		Lab Code: <u>ACE</u>
Matrix: <u>Solid</u>	Sample ID: <u>Q3352-01</u>	Client ID: <u>TP-3DUP</u>
Percent Solids for Sample: 89.8	Duplicate ID Q3352-01DUP	Percent Solids for Spike Sample: 89.8

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.014	U	0.014	U			CV

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: <u>AECOM</u>	Level: <u>LOW</u>	SDG No.: <u>Q3363</u>
Contract: <u>AECO02</u>		Lab Code: <u>ACE</u>
Matrix: <u>Solid</u>	Sample ID: <u>Q3352-01MS</u>	Client ID: <u>TP-3MSD</u>
Percent Solids for Sample: 89.8	Duplicate ID Q3352-01MSD	Percent Solids for Spike Sample: 89.8

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.30		0.30		1		CV

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: AECOM **Level:** LOW **SDG No.:** Q3363
Contract: AECO02 **Lab Code:** ACE
Matrix: Solid **Sample ID:** Q3363-05 **Client ID:** COMP01-20251015DUP
Percent Solids for Sample: 55.4 **Duplicate ID** Q3363-05DUP **Percent Solids for Spike Sample:** 55.4

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	18800	D	18700	D	1		P
Antimony	mg/Kg	20	0.15	J	0.11	J	25		P
Arsenic	mg/Kg	20	72.7	D	72.4	D	0		P
Barium	mg/Kg	20	137		152		10		P
Beryllium	mg/Kg	20	1.10		1.23		11		P
Cadmium	mg/Kg	20	0.98		1.09		11		P
Calcium	mg/Kg	20	5160		5590		8		P
Chromium	mg/Kg	20	81.8		92.4		12		P
Cobalt	mg/Kg	20	13.9		15.1		8		P
Copper	mg/Kg	20	207		211		2		P
Iron	mg/Kg	20	45900	D	45900	D	0		P
Lead	mg/Kg	20	406		452		11		P
Magnesium	mg/Kg	20	7760		8530		9		P
Manganese	mg/Kg	20	836		886		6		P
Nickel	mg/Kg	20	45.6		47.9		5		P
Potassium	mg/Kg	20	3190		3460		8		P
Selenium	mg/Kg	20	3.89	UD	3.82	UD			P
Silver	mg/Kg	20	1.34		1.49		11		P
Sodium	mg/Kg	20	3530		3800		7		P
Thallium	mg/Kg	20	0.24		0.27		14		P
Vanadium	mg/Kg	20	45.6		50.1		9		P
Zinc	mg/Kg	20	308		323		5		P

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: AECOM **Level:** LOW **SDG No.:** Q3363
Contract: AECO02 **Lab Code:** ACE
Matrix: Solid **Sample ID:** Q3363-05MS **Client ID:** COMP01-20251015MSD
Percent Solids for Sample: 55.4 **Duplicate ID** Q3363-05MSD **Percent Solids for Spike Sample:** 55.4

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	17500	D	17300	D	1		P
Antimony	mg/Kg	20	77.8		74.2		5		P
Arsenic	mg/Kg	20	61.4	D	61.8	D	1		P
Barium	mg/Kg	20	452		464		3		P
Beryllium	mg/Kg	20	74.6		68.7		8		P
Cadmium	mg/Kg	20	76.5		72.6		5		P
Calcium	mg/Kg	20	11100		12200		9		P
Chromium	mg/Kg	20	135		138		2		P
Cobalt	mg/Kg	20	80.3		77.3		4		P
Copper	mg/Kg	20	785		804		2		P
Iron	mg/Kg	20	42000	D	42100	D	0		P
Lead	mg/Kg	20	730	D	725	D	1		P
Magnesium	mg/Kg	20	13600		14500		6		P
Manganese	mg/Kg	20	1360		1360		0		P
Nickel	mg/Kg	20	103		108		5		P
Potassium	mg/Kg	20	5920		6120		3		P
Selenium	mg/Kg	20	73.7	D	74.6	D	1		P
Silver	mg/Kg	20	13.8		13.3		4		P
Sodium	mg/Kg	20	9970		10500		5		P
Thallium	mg/Kg	20	74.6		70.7		5		P
Vanadium	mg/Kg	20	111		109		2		P
Zinc	mg/Kg	20	885		873		1		P

Metals

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client:	<u>AECOM</u>	SDG No.:	<u>Q3363</u>
Contract:	<u>AECO02</u>	Lab Code:	<u>ACE</u>

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB170139BS							
Aluminum	mg/Kg	1000	1080		108	80 - 120	P
Antimony	mg/Kg	50.0	52.7		105	80 - 120	P
Arsenic	mg/Kg	50.0	51.0		102	80 - 120	P
Barium	mg/Kg	250	260		104	80 - 120	P
Beryllium	mg/Kg	50.0	52.4		105	80 - 120	P
Cadmium	mg/Kg	50.0	52.5		105	80 - 120	P
Calcium	mg/Kg	5000	5360		107	80 - 120	P
Chromium	mg/Kg	50.0	55.3		111	80 - 120	P
Cobalt	mg/Kg	50.0	52.3		105	80 - 120	P
Copper	mg/Kg	500	533		107	80 - 120	P
Iron	mg/Kg	2500	2830		113	80 - 120	P
Lead	mg/Kg	250	258		103	80 - 120	P
Magnesium	mg/Kg	5000	5240		105	80 - 120	P
Manganese	mg/Kg	500	529		106	80 - 120	P
Nickel	mg/Kg	50.0	54.2		108	80 - 120	P
Potassium	mg/Kg	2500	2640		106	80 - 120	P
Selenium	mg/Kg	50.0	52.6		105	80 - 120	P
Silver	mg/Kg	50.0	53.8		108	80 - 120	P
Sodium	mg/Kg	5000	5370		107	80 - 120	P
Thallium	mg/Kg	50.0	52.6		105	80 - 120	P
Vanadium	mg/Kg	50.0	51.8		104	80 - 120	P
Zinc	mg/Kg	500	536		107	80 - 120	P

Metals

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: AECOM

SDG No.: Q3363

Contract: AECO02

Lab Code: ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB170143BS Mercury	mg/Kg	0.26	0.22		83	80 - 120	CV

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM

Contract: AECO02

Lab Code: ACE

SDG No.: Q3363

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	
Q3363-01	PR132-SO1-01	1421	101		116		127		105		108	
Q3363-02	PR132-SO1-02	1424	96		117		129		104		105	
Q3363-03	PR132-SO3-01	1427	93		113		123		103		103	
Q3363-04	PR132-SO3-01	1430	96		117		131	*	101		103	
Q3363-05	COMP01-2025	1434	95		117		135	*	99		102	
Q3363-05DUP	COMP01-2025	1437	97		119		138	*	100		103	
Q3363-05L	COMP01-2025	1440	92		106		110		103		102	
Q3363-05MS	COMP01-2025	1443	98		119		133	*	100		105	
Q3363-05MSD	COMP01-2025	1446	99		119		136	*	100		104	

Internal Standard %RI Limit: 70 - 130

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM

Contract: AECO02

Lab Code: ACE

SDG No.: Q3363

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
Q3363-05A	COMP01-2025	1449	97		113		128		101		104	
CCV03	CCV03	1454	90		100		102		96		101	
CCB03	CCB03	1505	89		99		101		100		100	
PB170139BL	PB170139BL	1514	87		96		98		98		97	
PB170139BS	PB170139BS	1517	89		95		98		97		99	
ZZZZZZ	ZZZZZZ	1520										
ZZZZZZ	ZZZZZZ	1524										
ZZZZZZ	ZZZZZZ	1527										
ZZZZZZ	ZZZZZZ	1530										
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										
ZZZZZZ	ZZZZZZ	1715										
ZZZZZZ	ZZZZZZ	1718										
ZZZZZZ	ZZZZZZ	1722										
ZZZZZZ	ZZZZZZ	1725										
ZZZZZZ	ZZZZZZ	1728										
ZZZZZZ	ZZZZZZ	1731										
ZZZZZZ	ZZZZZZ	1734										
ZZZZZZ	ZZZZZZ	1741										

Internal Standard %RI Limit: 70 - 130

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM

Contract: AECO02

Lab Code: ACE

SDG No.: Q3363

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	1744										
CCV06	CCV06	1759	85		95		97		93		102	
CCB06	CCB06	1810	82		90		93		94		97	
ZZZZZZ	ZZZZZZ	1815										
ZZZZZZ	ZZZZZZ	1818										
ZZZZZZ	ZZZZZZ	1821										
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	
Q3363-02	PR132-SO1-0	1912	79		92		99		94		97	
Q3363-03	PR132-SO3-0	1915	81		94		97		95		95	
Q3363-04	PR132-SO3-0	1918	82		95		100		95		96	
Q3363-05	COMP01-2025	1922	84		98		103		95		98	
Q3363-05DUP	COMP01-2025	1925	83		97		103		95		96	
Q3363-05L	COMP01-2025	1928	80		93		97		94		96	
Q3363-05MS	COMP01-2025	1931	82		95		101		95		96	
Q3363-05MSD	COMP01-2025	1934	81		95		100		93		96	
Q3363-05A	COMP01-2025	1937	82		95		100		93		98	
ZZZZZZ	ZZZZZZ	1941										
CCV08	CCV08	1944	84		92		96		92		98	
CCB08	CCB08	1952	78		89		92		92		94	

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM

Contract: AECO02

Lab Code: ACE

SDG No.: Q3363

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	
Q3363-01	PR132-SO1-01	1421	117		128		107		110		113	
Q3363-02	PR132-SO1-01	1424	118		130		102		107		109	
Q3363-03	PR132-SO3-01	1427	111		121		103		106		107	
Q3363-04	PR132-SO3-01	1430	116		129		101		107		107	
Q3363-05	COMP01-2025	1434	117		135	*	99		105		105	
Q3363-05DUP	COMP01-2025	1437	120		139	*	99		106		106	
Q3363-05L	COMP01-2025	1440	106		110		102		105		106	
Q3363-05MS	COMP01-2025	1443	118		130		100		107		108	
Q3363-05MSD	COMP01-2025	1446	119		134	*	99		106		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.: Q3363

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
Q3363-05A	COMP01-2025	1449	115		128		99		106		106	
CCV03	CCV03	1454	101		101		96		104		103	
CCB03	CCB03	1505	97		100		99		102		102	
PB170139BL	PB170139BL	1514	95		95		97		96		97	
PB170139BS	PB170139BS	1517	95		96		95		100		101	
ZZZZZZ	ZZZZZZ	1520										
ZZZZZZ	ZZZZZZ	1524										
ZZZZZZ	ZZZZZZ	1527										
ZZZZZZ	ZZZZZZ	1530										
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										
ZZZZZZ	ZZZZZZ	1715										
ZZZZZZ	ZZZZZZ	1718										
ZZZZZZ	ZZZZZZ	1722										
ZZZZZZ	ZZZZZZ	1725										
ZZZZZZ	ZZZZZZ	1728										
ZZZZZZ	ZZZZZZ	1731										
ZZZZZZ	ZZZZZZ	1734										
ZZZZZZ	ZZZZZZ	1741										

Internal Standard %RI Limit: 70 - 130

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM

Contract: AECO02

Lab Code: ACE

SDG No.: Q3363

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	1744										
CCV06	CCV06	1759	96		96		93		102		102	
CCB06	CCB06	1810	89		93		93		97		97	
ZZZZZZ	ZZZZZZ	1815										
ZZZZZZ	ZZZZZZ	1818										
ZZZZZZ	ZZZZZZ	1821										
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	
Q3363-02	PR132-SO1-0	1912	93		97		94		97		99	
Q3363-03	PR132-SO3-0	1915	95		97		95		99		98	
Q3363-04	PR132-SO3-0	1918	97		101		98		99		99	
Q3363-05	COMP01-2025	1922	97		103		97		99		100	
Q3363-05DUP	COMP01-2025	1925	97		100		95		99		99	
Q3363-05L	COMP01-2025	1928	94		97		96		99		99	
Q3363-05MS	COMP01-2025	1931	96		102		95		99		98	
Q3363-05MSD	COMP01-2025	1934	96		101		95		97		99	
Q3363-05A	COMP01-2025	1937	96		102		95		99		98	
ZZZZZZ	ZZZZZZ	1941										
CCV08	CCV08	1944	93		95		91		100		100	
CCB08	CCB08	1952	89		93		93		95		95	

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

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

Contract: AECO02
SDG No.: Q3363
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							
Q3363-01	PR132-SO1-08	1421	108		111							
Q3363-02	PR132-SO1-03	1424	104		105							
Q3363-03	PR132-SO3-02	1427	101		104							
Q3363-04	PR132-SO3-01	1430	103		105							
Q3363-05	COMP01-20251	1434	101		99							
Q3363-05DUP	COMP01-20251	1437	104		98							
Q3363-05L	COMP01-20251	1440	101		98							

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.: Q3363
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
Q3363-05MS	COMP01-20251	1443	107		100							
Q3363-05MSD	COMP01-20251	1446	104		101							
Q3363-05A	COMP01-20251	1449	104		99							
CCV03	CCV03	1454	101		94							
CCB03	CCB03	1505	100		97							
PB170139BL	PB170139BL	1514	96		95							
PB170139BS	PB170139BS	1517	98		96							
ZZZZZZ	ZZZZZZ	1520										
ZZZZZZ	ZZZZZZ	1524										
ZZZZZZ	ZZZZZZ	1527										
ZZZZZZ	ZZZZZZ	1530										
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										
ZZZZZZ	ZZZZZZ	1715										
ZZZZZZ	ZZZZZZ	1718										
ZZZZZZ	ZZZZZZ	1722										
ZZZZZZ	ZZZZZZ	1725										

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.: Q3363
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
ZZZZZZ	ZZZZZZ	1728										
ZZZZZZ	ZZZZZZ	1731										
ZZZZZZ	ZZZZZZ	1734										
ZZZZZZ	ZZZZZZ	1741										
ZZZZZZ	ZZZZZZ	1744										
CCV06	CCV06	1759	101		94							
CCB06	CCB06	1810	97		95							
ZZZZZZ	ZZZZZZ	1815										
ZZZZZZ	ZZZZZZ	1818										
ZZZZZZ	ZZZZZZ	1821										
ZZZZZZ	ZZZZZZ	1823										
ZZZZZZ	ZZZZZZ	1826										
ZZZZZZ	ZZZZZZ	1829										
CCV07	CCV07	1841	100		93							
CCB07	CCB07	1849	96		95							
Q3363-02	PR132-SO1-03	1912	95		96							
Q3363-03	PR132-SO3-02	1915	97		95							
Q3363-04	PR132-SO3-01	1918	97		97							
Q3363-05	COMP01-20251	1922	99		95							
Q3363-05DUP	COMP01-20251	1925	97		96							
Q3363-05L	COMP01-20251	1928	95		93							
Q3363-05MS	COMP01-20251	1931	97		92							
Q3363-05MSD	COMP01-20251	1934	96		91							
Q3363-05A	COMP01-20251	1937	95		95							
ZZZZZZ	ZZZZZZ	1941										
CCV08	CCV08	1944	100		93							
CCB08	CCB08	1952	93		93							

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: AECOM

Contract: AECO02

Lab Code: ACE

SDG No.: Q3363

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									
Q3363-01	PR132-SO1-08	1421	110									
Q3363-02	PR132-SO1-03	1424	105									
Q3363-03	PR132-SO3-02	1427	105									
Q3363-04	PR132-SO3-01	1430	105									
Q3363-05	COMP01-20251	1434	99									
Q3363-05DUP	COMP01-20251	1437	99									
Q3363-05L	COMP01-20251	1440	100									

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.: Q3363
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
Q3363-05MS	COMP01-20251	1443	100									
Q3363-05MSD	COMP01-20251	1446	100									
Q3363-05A	COMP01-20251	1449	100									
CCV03	CCV03	1454	93									
CCB03	CCB03	1505	99									
PB170139BL	PB170139BL	1514	95									
PB170139BS	PB170139BS	1517	94									
ZZZZZZ	ZZZZZZ	1520										
ZZZZZZ	ZZZZZZ	1524										
ZZZZZZ	ZZZZZZ	1527										
ZZZZZZ	ZZZZZZ	1530										
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										
ZZZZZZ	ZZZZZZ	1715										
ZZZZZZ	ZZZZZZ	1718										
ZZZZZZ	ZZZZZZ	1722										
ZZZZZZ	ZZZZZZ	1725										

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.: Q3363
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
ZZZZZZ	ZZZZZZ	1728										
ZZZZZZ	ZZZZZZ	1731										
ZZZZZZ	ZZZZZZ	1734										
ZZZZZZ	ZZZZZZ	1741										
ZZZZZZ	ZZZZZZ	1744										
CCV06	CCV06	1759	93									
CCB06	CCB06	1810	93									
ZZZZZZ	ZZZZZZ	1815										
ZZZZZZ	ZZZZZZ	1818										
ZZZZZZ	ZZZZZZ	1821										
ZZZZZZ	ZZZZZZ	1823										
ZZZZZZ	ZZZZZZ	1826										
ZZZZZZ	ZZZZZZ	1829										
CCV07	CCV07	1841	91									
CCB07	CCB07	1849	93									
Q3363-02	PR132-SO1-03	1912	94									
Q3363-03	PR132-SO3-02	1915	94									
Q3363-04	PR132-SO3-01	1918	96									
Q3363-05	COMP01-20251	1922	95									
Q3363-05DUP	COMP01-20251	1925	95									
Q3363-05L	COMP01-20251	1928	93									
Q3363-05MS	COMP01-20251	1931	92									
Q3363-05MSD	COMP01-20251	1934	92									
Q3363-05A	COMP01-20251	1937	93									
ZZZZZZ	ZZZZZZ	1941										
CCV08	CCV08	1944	89									
CCB08	CCB08	1952	93									

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

TP-3L

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **Lb No.:** lb137570 **Lab Sample ID :** Q3352-01L **SDG No.:** Q3363
Matrix (soil/water): Solid **Level (low/med):** LOW
Concentration Units: mg/Kg

Analyte	Initial Sample Result (I) C	Serial Dilution Result (S) C	% Differ- ence	Q	M
Mercury	0.014 U	0.071 U			CV

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

COMP01-20251015L

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **Lb No.:** lb137619 **Lab Sample ID :** Q3363-05L **SDG No.:** Q3363
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
		C		C			
Aluminum	18800	D	18800	D	0		P
Antimony	0.15	J	1.56	U	100.0		P
Arsenic	72.7	D	72.9	D	0		P
Barium	137		142		4		P
Beryllium	1.10		1.24		13		P
Cadmium	0.98		1.04		7		P
Calcium	5160		5960		16		P
Chromium	81.8		96.2		18		P
Cobalt	13.9		16.2		17		P
Copper	207		240		16		P
Iron	45900	D	47400	D	3		P
Lead	406		430		6		P
Magnesium	7760		9030		16		P
Manganese	836		996		19		P
Nickel	45.6		54.2		19		P
Potassium	3190		3750		18		P
Selenium	3.89	UD	19.5	UD	17		P
Silver	1.34		1.46		9		P
Sodium	3530		4080		16		P
Thallium	0.24		0.27	J	13		P
Vanadium	45.6		53.3		17		P
Zinc	308		371		20		P



METAL PREPARATION & INSTRUMENT DATA

METAL
PREPARATION &
ANALYICAL
SUMMARY

Metals
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SAMPLE PREPARATION SUMMARY

Client: AECOM

SDG No.: Q3363

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: PB170139							
PB170139BL	PB170139BL	MB	SOLID	10/16/2025	1.00	100.0	100.00
PB170139BS	PB170139BS	LCS	SOLID	10/16/2025	1.00	100.0	100.00
Q3363-01	PR132-SO1-085011-20251015	SAM	SOLID	10/16/2025	1.08	100.0	50.10
Q3363-02	PR132-SO1-039085-20251015	SAM	SOLID	10/16/2025	1.14	100.0	56.60
Q3363-03	PR132-SO3-028010-20251015	SAM	SOLID	10/16/2025	1.08	100.0	54.80
Q3363-04	PR132-SO3-010013-20251015	SAM	SOLID	10/16/2025	1.20	100.0	51.50
Q3363-05	COMP01-20251015	SAM	SOLID	10/16/2025	1.16	100.0	55.40
Q3363-05DUP	COMP01-20251015DUP	DUP	SOLID	10/16/2025	1.18	100.0	55.40
Q3363-05MS	COMP01-20251015MS	MS	SOLID	10/16/2025	1.12	100.0	55.40
Q3363-05MSD	COMP01-20251015MSD	MSD	SOLID	10/16/2025	1.16	100.0	55.40

Metals
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SAMPLE PREPARATION SUMMARY

Client: AECOM

SDG No.: Q3363

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: PB170143							
PB170143BL	PB170143BL	MB	SOLID	10/17/2025	0.55	35.0	100.00
PB170143BS	PB170143BS	LCS	SOLID	10/17/2025	0.53	35.0	100.00
Q3352-01DUP	TP-3DUP	DUP	SOLID	10/17/2025	0.55	35.0	89.80
Q3352-01MS	TP-3MS	MS	SOLID	10/17/2025	0.55	35.0	89.80
Q3352-01MSD	TP-3MSD	MSD	SOLID	10/17/2025	0.55	35.0	89.80
Q3363-01	PR132-SO1-085011-20251015	SAM	SOLID	10/17/2025	0.60	35.0	50.10
Q3363-02	PR132-SO1-039085-20251015	SAM	SOLID	10/17/2025	0.60	35.0	56.60
Q3363-03	PR132-SO3-028010-20251015	SAM	SOLID	10/17/2025	0.50	35.0	54.80
Q3363-04	PR132-SO3-010013-20251015	SAM	SOLID	10/17/2025	0.60	35.0	51.50
Q3363-05	COMP01-20251015	SAM	SOLID	10/17/2025	0.51	35.0	55.40

metals
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ANALYSIS RUN LOG

Client: AECOM

Contract: AECO02

Lab code: ACE

Sdg no.: Q3363

Instrument id number: _____

Method: _____

Run number: LB137570

Start date: 10/17/2025

End date: 10/17/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	0954	HG
S0.2	S0.2	1	0956	HG
S2.5	S2.5	1	0959	HG
S5	S5	1	1001	HG
S7.5	S7.5	1	1004	HG
S10	S10	1	1006	HG
ICV77	ICV77	1	1010	HG
ICB77	ICB77	1	1012	HG
CCV50	CCV50	1	1015	HG
CCB50	CCB50	1	1017	HG
CRA	CRA	1	1020	HG
PB170143BL	PB170143BL	1	1027	HG
PB170143BS	PB170143BS	1	1030	HG
Q3352-01DUP	TP-3DUP	1	1034	HG
Q3352-01MS	TP-3MS	1	1037	HG
Q3352-01MSD	TP-3MSD	1	1039	HG
CCV51	CCV51	1	1044	HG
CCB51	CCB51	1	1047	HG
CCV52	CCV52	1	1116	HG
CCB52	CCB52	1	1118	HG
Q3352-01L	TP-3L	5	1123	HG
Q3363-01	PR132-SO1-085011-20251015	10	1127	HG
Q3363-03	PR132-SO3-028010-20251015	10	1133	HG
Q3363-04	PR132-SO3-010013-20251015	10	1135	HG
Q3363-05	COMP01-20251015	10	1138	HG
Q3363-02	PR132-SO1-039085-20251015	50	1141	HG
CCV53	CCV53	1	1143	HG
CCB53	CCB53	1	1146	HG

metals
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ANALYSIS RUN LOG

Client: AECOM

Contract: AECO02

Lab code: ACE

Sdg no.: Q3363

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
Q3363-01	PR132-SO1-085011-20251015	1	1421	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3363-02	PR132-SO1-039085-20251015	1	1424	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3363-03	PR132-SO3-028010-20251015	1	1427	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3363-04	PR132-SO3-010013-20251015	1	1430	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Tl,V,Zn
Q3363-05	COMP01-20251015	1	1434	Ag,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Tl,V,Zn
Q3363-05DUP	COMP01-20251015DUP	1	1437	Ag,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Tl,V,Zn
Q3363-05L	COMP01-20251015L	5	1440	Ag,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Tl,V,Zn
Q3363-05MS	COMP01-20251015MS	1	1443	Ag,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Sb,Tl,V,Zn
Q3363-05MSD	COMP01-20251015MSD	1	1446	Ag,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Sb,Tl,V,Zn
Q3363-05A	COMP01-20251015A	1	1449	Ag,Ca,Cr,Cu,K,Mg,Mn,Ni,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
PB170139BL	PB170139BL	1	1514	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB170139BS	PB170139BS	1	1517	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
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
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
Q3363-02	PR132-SO1-039085-20251015	5	1912	Cr

metals
- 14 -
ANALYSIS RUN LOG

Client: AECOM

Contract: AECO02

Lab code: ACE

Sdg no.: Q3363

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
Q3363-03	PR132-SO3-028010-20251015	5	1915	Cr
Q3363-04	PR132-SO3-010013-20251015	5	1918	Se
Q3363-05	COMP01-20251015	5	1922	Al,As,Fe,Se
Q3363-05DUP	COMP01-20251015DUP	5	1925	Al,As,Fe,Se
Q3363-05L	COMP01-20251015L	25	1928	Al,As,Fe,Se
Q3363-05MS	COMP01-20251015MS	5	1931	Al,As,Fe,Pb,Se
Q3363-05MSD	COMP01-20251015MSD	5	1934	Al,As,Fe,Pb,Se
Q3363-05A	COMP01-20251015A	5	1937	As
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
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
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
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