

LAB CHRONICLE

OrderID: Q2543	OrderDate: 7/9/2025 12:26:00 PM
Client: CDM Smith	Project: South River WM Replacement
Contact: Marcie Ann Encinas	Location: O42,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2543-01	TP-41	SOIL	Mercury	7471B	07/08/25	07/10/25	07/11/25	07/09/25
			Metals ICP-TAL	6010D		07/10/25	07/11/25	
Q2543-02	TP-49	SOIL	Mercury	7471B	07/09/25	07/10/25	07/11/25	07/09/25
			Metals ICP-TAL	6010D		07/10/25	07/11/25	
Q2543-03	TP-23	SOIL	Mercury	7471B	07/09/25	07/10/25	07/11/25	07/09/25
			Metals ICP-TAL	6010D		07/10/25	07/11/25	
Q2543-04	TP-23-99	SOIL	Mercury	7471B	07/09/25	07/10/25	07/11/25	07/09/25
			Metals ICP-TAL	6010D		07/10/25	07/11/25	

Hit Summary Sheet
SW-846

SDG No.: Q2543 **Order ID:** Q2543
Client: CDM Smith **Project ID:** South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : TP-41								
Q2543-01	TP-41	SOIL	Aluminum	2620		0.85	5.04	mg/Kg
Q2543-01	TP-41	SOIL	Arsenic	0.42	J	0.19	1.01	mg/Kg
Q2543-01	TP-41	SOIL	Barium	21.2		0.74	5.04	mg/Kg
Q2543-01	TP-41	SOIL	Beryllium	0.18	J	0.025	0.30	mg/Kg
Q2543-01	TP-41	SOIL	Calcium	12.7	J	11.2	101	mg/Kg
Q2543-01	TP-41	SOIL	Chromium	4.44		0.047	0.50	mg/Kg
Q2543-01	TP-41	SOIL	Cobalt	0.28	J	0.10	1.51	mg/Kg
Q2543-01	TP-41	SOIL	Copper	1.84		0.22	1.01	mg/Kg
Q2543-01	TP-41	SOIL	Iron	1630		4.02	5.04	mg/Kg
Q2543-01	TP-41	SOIL	Lead	3.14		0.13	0.61	mg/Kg
Q2543-01	TP-41	SOIL	Magnesium	171		12.1	101	mg/Kg
Q2543-01	TP-41	SOIL	Manganese	8.08		0.14	1.01	mg/Kg
Q2543-01	TP-41	SOIL	Nickel	1.08	J	0.13	2.02	mg/Kg
Q2543-01	TP-41	SOIL	Potassium	212		27.9	101	mg/Kg
Q2543-01	TP-41	SOIL	Sodium	242		17.9	101	mg/Kg
Q2543-01	TP-41	SOIL	Vanadium	4.20		0.25	2.02	mg/Kg
Q2543-01	TP-41	SOIL	Zinc	4.48		0.23	2.02	mg/Kg
Client ID : TP-49								
Q2543-02	TP-49	SOIL	Aluminum	4000		1.01	6.04	mg/Kg
Q2543-02	TP-49	SOIL	Arsenic	22.2		0.23	1.21	mg/Kg
Q2543-02	TP-49	SOIL	Barium	21.9		0.88	6.04	mg/Kg
Q2543-02	TP-49	SOIL	Beryllium	0.79		0.030	0.36	mg/Kg
Q2543-02	TP-49	SOIL	Calcium	799		13.4	121	mg/Kg
Q2543-02	TP-49	SOIL	Chromium	11.3		0.057	0.60	mg/Kg
Q2543-02	TP-49	SOIL	Cobalt	1.67	J	0.12	1.81	mg/Kg
Q2543-02	TP-49	SOIL	Copper	19.3		0.27	1.21	mg/Kg
Q2543-02	TP-49	SOIL	Iron	27000		4.82	6.04	mg/Kg
Q2543-02	TP-49	SOIL	Lead	19.1		0.16	0.73	mg/Kg
Q2543-02	TP-49	SOIL	Magnesium	234		14.5	121	mg/Kg
Q2543-02	TP-49	SOIL	Manganese	10.9		0.17	1.21	mg/Kg
Q2543-02	TP-49	SOIL	Mercury	0.037		0.0090	0.017	mg/Kg
Q2543-02	TP-49	SOIL	Nickel	2.31	J	0.16	2.42	mg/Kg
Q2543-02	TP-49	SOIL	Potassium	410		33.5	121	mg/Kg
Q2543-02	TP-49	SOIL	Sodium	487		21.5	121	mg/Kg
Q2543-02	TP-49	SOIL	Thallium	1.42	J	0.28	2.42	mg/Kg
Q2543-02	TP-49	SOIL	Vanadium	48.5		0.30	2.42	mg/Kg
Q2543-02	TP-49	SOIL	Zinc	15.8		0.28	2.42	mg/Kg

Hit Summary Sheet
SW-846

SDG No.:	Q2543	Order ID:	Q2543
Client:	CDM Smith	Project ID:	South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : TP-23								
Q2543-03	TP-23	SOIL	Aluminum	3280		0.84	4.99	mg/Kg
Q2543-03	TP-23	SOIL	Arsenic	2.77		0.19	1.00	mg/Kg
Q2543-03	TP-23	SOIL	Barium	15.7		0.73	4.99	mg/Kg
Q2543-03	TP-23	SOIL	Beryllium	0.43		0.025	0.30	mg/Kg
Q2543-03	TP-23	SOIL	Calcium	238		11.1	99.7	mg/Kg
Q2543-03	TP-23	SOIL	Chromium	3.41		0.047	0.50	mg/Kg
Q2543-03	TP-23	SOIL	Cobalt	1.10	J	0.10	1.50	mg/Kg
Q2543-03	TP-23	SOIL	Copper	6.23		0.22	1.00	mg/Kg
Q2543-03	TP-23	SOIL	Iron	15700		3.98	4.99	mg/Kg
Q2543-03	TP-23	SOIL	Lead	4.31		0.13	0.60	mg/Kg
Q2543-03	TP-23	SOIL	Magnesium	238		12.0	99.7	mg/Kg
Q2543-03	TP-23	SOIL	Manganese	23.6		0.14	1.00	mg/Kg
Q2543-03	TP-23	SOIL	Nickel	1.99		0.13	1.99	mg/Kg
Q2543-03	TP-23	SOIL	Potassium	203		27.6	99.7	mg/Kg
Q2543-03	TP-23	SOIL	Sodium	559		17.7	99.7	mg/Kg
Q2543-03	TP-23	SOIL	Thallium	0.58	J	0.23	1.99	mg/Kg
Q2543-03	TP-23	SOIL	Vanadium	14.2		0.25	1.99	mg/Kg
Q2543-03	TP-23	SOIL	Zinc	9.87		0.23	1.99	mg/Kg
Client ID : TP-23-99								
Q2543-04	TP-23-99	SOIL	Aluminum	3400		0.86	5.11	mg/Kg
Q2543-04	TP-23-99	SOIL	Arsenic	2.44		0.19	1.02	mg/Kg
Q2543-04	TP-23-99	SOIL	Barium	7.93		0.75	5.11	mg/Kg
Q2543-04	TP-23-99	SOIL	Beryllium	0.39		0.026	0.31	mg/Kg
Q2543-04	TP-23-99	SOIL	Calcium	120		11.4	102	mg/Kg
Q2543-04	TP-23-99	SOIL	Chromium	4.73		0.048	0.51	mg/Kg
Q2543-04	TP-23-99	SOIL	Cobalt	1.09	J	0.10	1.53	mg/Kg
Q2543-04	TP-23-99	SOIL	Copper	6.28		0.23	1.02	mg/Kg
Q2543-04	TP-23-99	SOIL	Iron	12400		4.08	5.11	mg/Kg
Q2543-04	TP-23-99	SOIL	Lead	5.18		0.13	0.61	mg/Kg
Q2543-04	TP-23-99	SOIL	Magnesium	244		12.3	102	mg/Kg
Q2543-04	TP-23-99	SOIL	Manganese	17.2		0.14	1.02	mg/Kg
Q2543-04	TP-23-99	SOIL	Nickel	2.17		0.13	2.05	mg/Kg
Q2543-04	TP-23-99	SOIL	Potassium	170		28.3	102	mg/Kg
Q2543-04	TP-23-99	SOIL	Sodium	415		18.2	102	mg/Kg
Q2543-04	TP-23-99	SOIL	Thallium	0.38	J	0.24	2.05	mg/Kg
Q2543-04	TP-23-99	SOIL	Vanadium	13.8		0.26	2.05	mg/Kg
Q2543-04	TP-23-99	SOIL	Zinc	9.37		0.24	2.05	mg/Kg



SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	07/08/25
Project:	South River WM Replacement	Date Received:	07/09/25
Client Sample ID:	TP-41	SDG No.:	Q2543
Lab Sample ID:	Q2543-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	82

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	2620		1	0.85	5.04	mg/Kg	07/10/25 10:15	07/11/25 02:07	6010D	SW3050
7440-36-0	Antimony	0.22	UN	1	0.22	2.52	mg/Kg	07/10/25 10:15	07/11/25 02:07	6010D	SW3050
7440-38-2	Arsenic	0.42	J	1	0.19	1.01	mg/Kg	07/10/25 10:15	07/11/25 02:07	6010D	SW3050
7440-39-3	Barium	21.2	N	1	0.74	5.04	mg/Kg	07/10/25 10:15	07/11/25 02:07	6010D	SW3050
7440-41-7	Beryllium	0.18	J	1	0.025	0.30	mg/Kg	07/10/25 10:15	07/11/25 02:07	6010D	SW3050
7440-43-9	Cadmium	0.024	U	1	0.024	0.30	mg/Kg	07/10/25 10:15	07/11/25 02:07	6010D	SW3050
7440-70-2	Calcium	12.7	J	1	11.2	101	mg/Kg	07/10/25 10:15	07/11/25 02:07	6010D	SW3050
7440-47-3	Chromium	4.44		1	0.047	0.50	mg/Kg	07/10/25 10:15	07/11/25 02:07	6010D	SW3050
7440-48-4	Cobalt	0.28	J	1	0.10	1.51	mg/Kg	07/10/25 10:15	07/11/25 02:07	6010D	SW3050
7440-50-8	Copper	1.84		1	0.22	1.01	mg/Kg	07/10/25 10:15	07/11/25 02:07	6010D	SW3050
7439-89-6	Iron	1630		1	4.02	5.04	mg/Kg	07/10/25 10:15	07/11/25 02:07	6010D	SW3050
7439-92-1	Lead	3.14		1	0.13	0.61	mg/Kg	07/10/25 10:15	07/11/25 02:07	6010D	SW3050
7439-95-4	Magnesium	171		1	12.1	101	mg/Kg	07/10/25 10:15	07/11/25 02:07	6010D	SW3050
7439-96-5	Manganese	8.08		1	0.14	1.01	mg/Kg	07/10/25 10:15	07/11/25 02:07	6010D	SW3050
7439-97-6	Mercury	0.0080	UN	1	0.0080	0.015	mg/Kg	07/10/25 16:00	07/11/25 14:49	7471B	
7440-02-0	Nickel	1.08	J	1	0.13	2.02	mg/Kg	07/10/25 10:15	07/11/25 02:07	6010D	SW3050
7440-09-7	Potassium	212		1	27.9	101	mg/Kg	07/10/25 10:15	07/11/25 02:07	6010D	SW3050
7782-49-2	Selenium	0.26	UN	1	0.26	1.01	mg/Kg	07/10/25 10:15	07/11/25 02:07	6010D	SW3050
7440-22-4	Silver	0.12	U	1	0.12	0.50	mg/Kg	07/10/25 10:15	07/11/25 02:07	6010D	SW3050
7440-23-5	Sodium	242		1	17.9	101	mg/Kg	07/10/25 10:15	07/11/25 02:07	6010D	SW3050
7440-28-0	Thallium	0.23	U	1	0.23	2.02	mg/Kg	07/10/25 10:15	07/11/25 02:07	6010D	SW3050
7440-62-2	Vanadium	4.20	N	1	0.25	2.02	mg/Kg	07/10/25 10:15	07/11/25 02:07	6010D	SW3050
7440-66-6	Zinc	4.48		1	0.23	2.02	mg/Kg	07/10/25 10:15	07/11/25 02:07	6010D	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
Comments:	METALS-TAL			

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:	CDM Smith	Date Collected:	07/09/25
Project:	South River WM Replacement	Date Received:	07/09/25
Client Sample ID:	TP-49	SDG No.:	Q2543
Lab Sample ID:	Q2543-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	73.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	4000		1	1.01	6.04	mg/Kg	07/10/25 10:15	07/11/25 02:11	6010D	SW3050
7440-36-0	Antimony	0.27	UN	1	0.27	3.02	mg/Kg	07/10/25 10:15	07/11/25 02:11	6010D	SW3050
7440-38-2	Arsenic	22.2		1	0.23	1.21	mg/Kg	07/10/25 10:15	07/11/25 02:11	6010D	SW3050
7440-39-3	Barium	21.9	N	1	0.88	6.04	mg/Kg	07/10/25 10:15	07/11/25 02:11	6010D	SW3050
7440-41-7	Beryllium	0.79		1	0.030	0.36	mg/Kg	07/10/25 10:15	07/11/25 02:11	6010D	SW3050
7440-43-9	Cadmium	0.029	U	1	0.029	0.36	mg/Kg	07/10/25 10:15	07/11/25 02:11	6010D	SW3050
7440-70-2	Calcium	799		1	13.4	121	mg/Kg	07/10/25 10:15	07/11/25 02:11	6010D	SW3050
7440-47-3	Chromium	11.3		1	0.057	0.60	mg/Kg	07/10/25 10:15	07/11/25 02:11	6010D	SW3050
7440-48-4	Cobalt	1.67	J	1	0.12	1.81	mg/Kg	07/10/25 10:15	07/11/25 02:11	6010D	SW3050
7440-50-8	Copper	19.3		1	0.27	1.21	mg/Kg	07/10/25 10:15	07/11/25 02:11	6010D	SW3050
7439-89-6	Iron	27000		1	4.82	6.04	mg/Kg	07/10/25 10:15	07/11/25 02:11	6010D	SW3050
7439-92-1	Lead	19.1		1	0.16	0.73	mg/Kg	07/10/25 10:15	07/11/25 02:11	6010D	SW3050
7439-95-4	Magnesium	234		1	14.5	121	mg/Kg	07/10/25 10:15	07/11/25 02:11	6010D	SW3050
7439-96-5	Manganese	10.9		1	0.17	1.21	mg/Kg	07/10/25 10:15	07/11/25 02:11	6010D	SW3050
7439-97-6	Mercury	0.037	N	1	0.0090	0.017	mg/Kg	07/10/25 16:00	07/11/25 14:51	7471B	
7440-02-0	Nickel	2.31	J	1	0.16	2.42	mg/Kg	07/10/25 10:15	07/11/25 02:11	6010D	SW3050
7440-09-7	Potassium	410		1	33.5	121	mg/Kg	07/10/25 10:15	07/11/25 02:11	6010D	SW3050
7782-49-2	Selenium	0.31	UN	1	0.31	1.21	mg/Kg	07/10/25 10:15	07/11/25 02:11	6010D	SW3050
7440-22-4	Silver	0.14	U	1	0.14	0.60	mg/Kg	07/10/25 10:15	07/11/25 02:11	6010D	SW3050
7440-23-5	Sodium	487		1	21.5	121	mg/Kg	07/10/25 10:15	07/11/25 02:11	6010D	SW3050
7440-28-0	Thallium	1.42	J	1	0.28	2.42	mg/Kg	07/10/25 10:15	07/11/25 02:11	6010D	SW3050
7440-62-2	Vanadium	48.5	N	1	0.30	2.42	mg/Kg	07/10/25 10:15	07/11/25 02:11	6010D	SW3050
7440-66-6	Zinc	15.8		1	0.28	2.42	mg/Kg	07/10/25 10:15	07/11/25 02:11	6010D	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
Comments:	METALS-TAL			

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:	CDM Smith	Date Collected:	07/09/25
Project:	South River WM Replacement	Date Received:	07/09/25
Client Sample ID:	TP-23	SDG No.:	Q2543
Lab Sample ID:	Q2543-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	85

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	3280		1	0.84	4.99	mg/Kg	07/10/25 10:15	07/11/25 02:15	6010D	SW3050
7440-36-0	Antimony	0.22	UN	1	0.22	2.49	mg/Kg	07/10/25 10:15	07/11/25 02:15	6010D	SW3050
7440-38-2	Arsenic	2.77		1	0.19	1.00	mg/Kg	07/10/25 10:15	07/11/25 02:15	6010D	SW3050
7440-39-3	Barium	15.7	N	1	0.73	4.99	mg/Kg	07/10/25 10:15	07/11/25 02:15	6010D	SW3050
7440-41-7	Beryllium	0.43		1	0.025	0.30	mg/Kg	07/10/25 10:15	07/11/25 02:15	6010D	SW3050
7440-43-9	Cadmium	0.024	U	1	0.024	0.30	mg/Kg	07/10/25 10:15	07/11/25 02:15	6010D	SW3050
7440-70-2	Calcium	238		1	11.1	99.7	mg/Kg	07/10/25 10:15	07/11/25 02:15	6010D	SW3050
7440-47-3	Chromium	3.41		1	0.047	0.50	mg/Kg	07/10/25 10:15	07/11/25 02:15	6010D	SW3050
7440-48-4	Cobalt	1.10	J	1	0.10	1.50	mg/Kg	07/10/25 10:15	07/11/25 02:15	6010D	SW3050
7440-50-8	Copper	6.23		1	0.22	1.00	mg/Kg	07/10/25 10:15	07/11/25 02:15	6010D	SW3050
7439-89-6	Iron	15700		1	3.98	4.99	mg/Kg	07/10/25 10:15	07/11/25 02:15	6010D	SW3050
7439-92-1	Lead	4.31		1	0.13	0.60	mg/Kg	07/10/25 10:15	07/11/25 02:15	6010D	SW3050
7439-95-4	Magnesium	238		1	12.0	99.7	mg/Kg	07/10/25 10:15	07/11/25 02:15	6010D	SW3050
7439-96-5	Manganese	23.6		1	0.14	1.00	mg/Kg	07/10/25 10:15	07/11/25 02:15	6010D	SW3050
7439-97-6	Mercury	0.0080	UN	1	0.0080	0.014	mg/Kg	07/10/25 16:00	07/11/25 15:04	7471B	
7440-02-0	Nickel	1.99		1	0.13	1.99	mg/Kg	07/10/25 10:15	07/11/25 02:15	6010D	SW3050
7440-09-7	Potassium	203		1	27.6	99.7	mg/Kg	07/10/25 10:15	07/11/25 02:15	6010D	SW3050
7782-49-2	Selenium	0.26	UN	1	0.26	1.00	mg/Kg	07/10/25 10:15	07/11/25 02:15	6010D	SW3050
7440-22-4	Silver	0.12	U	1	0.12	0.50	mg/Kg	07/10/25 10:15	07/11/25 02:15	6010D	SW3050
7440-23-5	Sodium	559		1	17.7	99.7	mg/Kg	07/10/25 10:15	07/11/25 02:15	6010D	SW3050
7440-28-0	Thallium	0.58	J	1	0.23	1.99	mg/Kg	07/10/25 10:15	07/11/25 02:15	6010D	SW3050
7440-62-2	Vanadium	14.2	N	1	0.25	1.99	mg/Kg	07/10/25 10:15	07/11/25 02:15	6010D	SW3050
7440-66-6	Zinc	9.87		1	0.23	1.99	mg/Kg	07/10/25 10:15	07/11/25 02:15	6010D	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
Comments:	METALS-TAL			

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
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Report of Analysis

Client:	CDM Smith	Date Collected:	07/09/25
Project:	South River WM Replacement	Date Received:	07/09/25
Client Sample ID:	TP-23-99	SDG No.:	Q2543
Lab Sample ID:	Q2543-04	Matrix:	SOIL
Level (low/med):	low	% Solid:	85.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	3400		1	0.86	5.11	mg/Kg	07/10/25 10:15	07/11/25 02:19	6010D	SW3050
7440-36-0	Antimony	0.23	UN	1	0.23	2.56	mg/Kg	07/10/25 10:15	07/11/25 02:19	6010D	SW3050
7440-38-2	Arsenic	2.44		1	0.19	1.02	mg/Kg	07/10/25 10:15	07/11/25 02:19	6010D	SW3050
7440-39-3	Barium	7.93	N	1	0.75	5.11	mg/Kg	07/10/25 10:15	07/11/25 02:19	6010D	SW3050
7440-41-7	Beryllium	0.39		1	0.026	0.31	mg/Kg	07/10/25 10:15	07/11/25 02:19	6010D	SW3050
7440-43-9	Cadmium	0.025	U	1	0.025	0.31	mg/Kg	07/10/25 10:15	07/11/25 02:19	6010D	SW3050
7440-70-2	Calcium	120		1	11.4	102	mg/Kg	07/10/25 10:15	07/11/25 02:19	6010D	SW3050
7440-47-3	Chromium	4.73		1	0.048	0.51	mg/Kg	07/10/25 10:15	07/11/25 02:19	6010D	SW3050
7440-48-4	Cobalt	1.09	J	1	0.10	1.53	mg/Kg	07/10/25 10:15	07/11/25 02:19	6010D	SW3050
7440-50-8	Copper	6.28		1	0.23	1.02	mg/Kg	07/10/25 10:15	07/11/25 02:19	6010D	SW3050
7439-89-6	Iron	12400		1	4.08	5.11	mg/Kg	07/10/25 10:15	07/11/25 02:19	6010D	SW3050
7439-92-1	Lead	5.18		1	0.13	0.61	mg/Kg	07/10/25 10:15	07/11/25 02:19	6010D	SW3050
7439-95-4	Magnesium	244		1	12.3	102	mg/Kg	07/10/25 10:15	07/11/25 02:19	6010D	SW3050
7439-96-5	Manganese	17.2		1	0.14	1.02	mg/Kg	07/10/25 10:15	07/11/25 02:19	6010D	SW3050
7439-97-6	Mercury	0.0090	UN	1	0.0090	0.016	mg/Kg	07/10/25 16:00	07/11/25 15:06	7471B	
7440-02-0	Nickel	2.17		1	0.13	2.05	mg/Kg	07/10/25 10:15	07/11/25 02:19	6010D	SW3050
7440-09-7	Potassium	170		1	28.3	102	mg/Kg	07/10/25 10:15	07/11/25 02:19	6010D	SW3050
7782-49-2	Selenium	0.27	UN	1	0.27	1.02	mg/Kg	07/10/25 10:15	07/11/25 02:19	6010D	SW3050
7440-22-4	Silver	0.12	U	1	0.12	0.51	mg/Kg	07/10/25 10:15	07/11/25 02:19	6010D	SW3050
7440-23-5	Sodium	415		1	18.2	102	mg/Kg	07/10/25 10:15	07/11/25 02:19	6010D	SW3050
7440-28-0	Thallium	0.38	J	1	0.24	2.05	mg/Kg	07/10/25 10:15	07/11/25 02:19	6010D	SW3050
7440-62-2	Vanadium	13.8	N	1	0.26	2.05	mg/Kg	07/10/25 10:15	07/11/25 02:19	6010D	SW3050
7440-66-6	Zinc	9.37		1	0.24	2.05	mg/Kg	07/10/25 10:15	07/11/25 02:19	6010D	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
Comments:	METALS-TAL			

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



METAL CALIBRATION DATA

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith

SDG No.: Q2543

Contract: CAMP02

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
ICV25	Mercury	3.77	4.0	94	90 - 110	CV	07/11/2025	14:13	LB136438

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith

SDG No.: Q2543

Contract: CAMP02

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
CCV82	Mercury	5.49	5.0	110	90 - 110	CV	07/11/2025	14:18	LB136438
CCV83	Mercury	4.89	5.0	98	90 - 110	CV	07/11/2025	14:56	LB136438
CCV84	Mercury	5.25	5.0	105	90 - 110	CV	07/11/2025	15:26	LB136438
CCV85	Mercury	4.73	5.0	95	90 - 110	CV	07/11/2025	16:02	LB136438
CCV86	Mercury	4.75	5.0	95	90 - 110	CV	07/11/2025	16:32	LB136438

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith

SDG No.: Q2543

Contract: CAMP02

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	8020	8000	100	90 - 110	P	07/10/2025	17:52	LB136428
	Antimony	4080	4000	102	90 - 110	P	07/10/2025	17:52	LB136428
	Arsenic	3860	4000	97	90 - 110	P	07/10/2025	17:52	LB136428
	Barium	7860	8000	98	90 - 110	P	07/10/2025	17:52	LB136428
	Beryllium	199	200	99	90 - 110	P	07/10/2025	17:52	LB136428
	Cadmium	1910	2000	95	90 - 110	P	07/10/2025	17:52	LB136428
	Calcium	19600	20000	98	90 - 110	P	07/10/2025	17:52	LB136428
	Chromium	790	800	99	90 - 110	P	07/10/2025	17:52	LB136428
	Cobalt	1940	2000	97	90 - 110	P	07/10/2025	17:52	LB136428
	Copper	996	1000	100	90 - 110	P	07/10/2025	17:52	LB136428
	Iron	3980	4000	99	90 - 110	P	07/10/2025	17:52	LB136428
	Lead	3760	4000	94	90 - 110	P	07/10/2025	17:52	LB136428
	Magnesium	19700	20000	99	90 - 110	P	07/10/2025	17:52	LB136428
	Manganese	1970	2000	98	90 - 110	P	07/10/2025	17:52	LB136428
	Nickel	1940	2000	97	90 - 110	P	07/10/2025	17:52	LB136428
	Potassium	20000	20000	100	90 - 110	P	07/10/2025	17:52	LB136428
	Selenium	3930	4000	98	90 - 110	P	07/10/2025	17:52	LB136428
	Silver	1040	1000	104	90 - 110	P	07/10/2025	17:52	LB136428
	Sodium	20100	20000	100	90 - 110	P	07/10/2025	17:52	LB136428
	Thallium	3840	4000	96	90 - 110	P	07/10/2025	17:52	LB136428
	Vanadium	2000	2000	100	90 - 110	P	07/10/2025	17:52	LB136428
	Zinc	1990	2000	100	90 - 110	P	07/10/2025	17:52	LB136428

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith

SDG No.: Q2543

Contract: CAMP02

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	99.6	100	100	80 - 120	P	07/10/2025	18:01	LB136428
	Antimony	53.1	50.0	106	80 - 120	P	07/10/2025	18:01	LB136428
	Arsenic	22.0	20.0	110	80 - 120	P	07/10/2025	18:01	LB136428
	Barium	99.7	100	100	80 - 120	P	07/10/2025	18:01	LB136428
	Beryllium	6.18	6.0	103	80 - 120	P	07/10/2025	18:01	LB136428
	Cadmium	5.90	6.0	98	80 - 120	P	07/10/2025	18:01	LB136428
	Calcium	2020	2000	101	80 - 120	P	07/10/2025	18:01	LB136428
	Chromium	10.4	10.0	104	80 - 120	P	07/10/2025	18:01	LB136428
	Cobalt	29.8	30.0	99	80 - 120	P	07/10/2025	18:01	LB136428
	Copper	21.9	20.0	109	80 - 120	P	07/10/2025	18:01	LB136428
	Iron	99.3	100	99	80 - 120	P	07/10/2025	18:01	LB136428
	Lead	10.9	12.0	91	80 - 120	P	07/10/2025	18:01	LB136428
	Magnesium	2190	2000	109	80 - 120	P	07/10/2025	18:01	LB136428
	Manganese	22.4	20.0	112	80 - 120	P	07/10/2025	18:01	LB136428
	Nickel	40.3	40.0	101	80 - 120	P	07/10/2025	18:01	LB136428
	Potassium	1920	2000	96	80 - 120	P	07/10/2025	18:01	LB136428
	Selenium	23.3	20.0	116	80 - 120	P	07/10/2025	18:01	LB136428
	Silver	8.23	10.0	82	80 - 120	P	07/10/2025	18:01	LB136428
	Sodium	1980	2000	99	80 - 120	P	07/10/2025	18:01	LB136428
	Thallium	40.9	40.0	102	80 - 120	P	07/10/2025	18:01	LB136428
	Vanadium	41.3	40.0	103	80 - 120	P	07/10/2025	18:01	LB136428
	Zinc	40.9	40.0	102	80 - 120	P	07/10/2025	18:01	LB136428

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith

SDG No.: Q2543

Contract: CAMP02

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	10000	10000	100	90 - 110	P	07/10/2025	18:40	LB136428
	Antimony	5060	5000	101	90 - 110	P	07/10/2025	18:40	LB136428
	Arsenic	5090	5000	102	90 - 110	P	07/10/2025	18:40	LB136428
	Barium	9970	10000	100	90 - 110	P	07/10/2025	18:40	LB136428
	Beryllium	249	250	100	90 - 110	P	07/10/2025	18:40	LB136428
	Cadmium	2520	2500	101	90 - 110	P	07/10/2025	18:40	LB136428
	Calcium	25100	25000	100	90 - 110	P	07/10/2025	18:40	LB136428
	Chromium	1020	1000	102	90 - 110	P	07/10/2025	18:40	LB136428
	Cobalt	2500	2500	100	90 - 110	P	07/10/2025	18:40	LB136428
	Copper	1270	1250	101	90 - 110	P	07/10/2025	18:40	LB136428
	Iron	5030	5000	101	90 - 110	P	07/10/2025	18:40	LB136428
	Lead	4990	5000	100	90 - 110	P	07/10/2025	18:40	LB136428
	Magnesium	25000	25000	100	90 - 110	P	07/10/2025	18:40	LB136428
	Manganese	2540	2500	102	90 - 110	P	07/10/2025	18:40	LB136428
	Nickel	2510	2500	101	90 - 110	P	07/10/2025	18:40	LB136428
	Potassium	26100	25000	104	90 - 110	P	07/10/2025	18:40	LB136428
	Selenium	5090	5000	102	90 - 110	P	07/10/2025	18:40	LB136428
	Silver	1250	1250	100	90 - 110	P	07/10/2025	18:40	LB136428
	Sodium	26200	25000	105	90 - 110	P	07/10/2025	18:40	LB136428
	Thallium	5180	5000	104	90 - 110	P	07/10/2025	18:40	LB136428
	Vanadium	2510	2500	100	90 - 110	P	07/10/2025	18:40	LB136428
	Zinc	2600	2500	104	90 - 110	P	07/10/2025	18:40	LB136428
CCV02	Aluminum	9920	10000	99	90 - 110	P	07/10/2025	19:30	LB136428
	Antimony	5080	5000	102	90 - 110	P	07/10/2025	19:30	LB136428
	Arsenic	5100	5000	102	90 - 110	P	07/10/2025	19:30	LB136428
	Barium	9740	10000	97	90 - 110	P	07/10/2025	19:30	LB136428
	Beryllium	245	250	98	90 - 110	P	07/10/2025	19:30	LB136428
	Cadmium	2510	2500	100	90 - 110	P	07/10/2025	19:30	LB136428
	Calcium	24600	25000	99	90 - 110	P	07/10/2025	19:30	LB136428
	Chromium	1010	1000	101	90 - 110	P	07/10/2025	19:30	LB136428
	Cobalt	2500	2500	100	90 - 110	P	07/10/2025	19:30	LB136428
	Copper	1260	1250	101	90 - 110	P	07/10/2025	19:30	LB136428
	Iron	5070	5000	101	90 - 110	P	07/10/2025	19:30	LB136428
	Lead	4980	5000	100	90 - 110	P	07/10/2025	19:30	LB136428

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith

Contract: CAMP02

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

SDG No.: Q2543

Lab Code: ACE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	24500	25000	98	90 - 110	P	07/10/2025	19:30	LB136428
	Manganese	2500	2500	100	90 - 110	P	07/10/2025	19:30	LB136428
	Nickel	2500	2500	100	90 - 110	P	07/10/2025	19:30	LB136428
	Potassium	27000	25000	108	90 - 110	P	07/10/2025	19:30	LB136428
	Selenium	5120	5000	102	90 - 110	P	07/10/2025	19:30	LB136428
	Silver	1260	1250	101	90 - 110	P	07/10/2025	19:30	LB136428
	Sodium	27100	25000	108	90 - 110	P	07/10/2025	19:30	LB136428
	Thallium	5110	5000	102	90 - 110	P	07/10/2025	19:30	LB136428
	Vanadium	2470	2500	99	90 - 110	P	07/10/2025	19:30	LB136428
	Zinc	2630	2500	105	90 - 110	P	07/10/2025	19:30	LB136428
CCV03	Aluminum	9760	10000	98	90 - 110	P	07/10/2025	20:22	LB136428
	Antimony	4980	5000	100	90 - 110	P	07/10/2025	20:22	LB136428
	Arsenic	5000	5000	100	90 - 110	P	07/10/2025	20:22	LB136428
	Barium	9530	10000	95	90 - 110	P	07/10/2025	20:22	LB136428
	Beryllium	241	250	96	90 - 110	P	07/10/2025	20:22	LB136428
	Cadmium	2460	2500	99	90 - 110	P	07/10/2025	20:22	LB136428
	Calcium	24300	25000	97	90 - 110	P	07/10/2025	20:22	LB136428
	Chromium	1000	1000	100	90 - 110	P	07/10/2025	20:22	LB136428
	Cobalt	2450	2500	98	90 - 110	P	07/10/2025	20:22	LB136428
	Copper	1240	1250	99	90 - 110	P	07/10/2025	20:22	LB136428
	Iron	4890	5000	98	90 - 110	P	07/10/2025	20:22	LB136428
	Lead	4890	5000	98	90 - 110	P	07/10/2025	20:22	LB136428
	Magnesium	24200	25000	97	90 - 110	P	07/10/2025	20:22	LB136428
	Manganese	2480	2500	99	90 - 110	P	07/10/2025	20:22	LB136428
	Nickel	2450	2500	98	90 - 110	P	07/10/2025	20:22	LB136428
	Potassium	25700	25000	103	90 - 110	P	07/10/2025	20:22	LB136428
	Selenium	4990	5000	100	90 - 110	P	07/10/2025	20:22	LB136428
	Silver	1240	1250	99	90 - 110	P	07/10/2025	20:22	LB136428
	Sodium	23800	25000	95	90 - 110	P	07/10/2025	20:22	LB136428
	Thallium	5120	5000	102	90 - 110	P	07/10/2025	20:22	LB136428
	Vanadium	2440	2500	98	90 - 110	P	07/10/2025	20:22	LB136428
	Zinc	2590	2500	104	90 - 110	P	07/10/2025	20:22	LB136428
CCV04	Aluminum	9820	10000	98	90 - 110	P	07/10/2025	21:27	LB136428
	Antimony	4960	5000	99	90 - 110	P	07/10/2025	21:27	LB136428

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith

SDG No.: Q2543

Contract: CAMP02

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Arsenic	4990	5000	100	90 - 110	P	07/10/2025	21:27	LB136428
	Barium	9610	10000	96	90 - 110	P	07/10/2025	21:27	LB136428
	Beryllium	247	250	99	90 - 110	P	07/10/2025	21:27	LB136428
	Cadmium	2470	2500	99	90 - 110	P	07/10/2025	21:27	LB136428
	Calcium	24300	25000	97	90 - 110	P	07/10/2025	21:27	LB136428
	Chromium	1010	1000	101	90 - 110	P	07/10/2025	21:27	LB136428
	Cobalt	2450	2500	98	90 - 110	P	07/10/2025	21:27	LB136428
	Copper	1240	1250	99	90 - 110	P	07/10/2025	21:27	LB136428
	Iron	4880	5000	98	90 - 110	P	07/10/2025	21:27	LB136428
	Lead	4880	5000	98	90 - 110	P	07/10/2025	21:27	LB136428
	Magnesium	24100	25000	96	90 - 110	P	07/10/2025	21:27	LB136428
	Manganese	2480	2500	99	90 - 110	P	07/10/2025	21:27	LB136428
	Nickel	2460	2500	98	90 - 110	P	07/10/2025	21:27	LB136428
	Potassium	26300	25000	105	90 - 110	P	07/10/2025	21:27	LB136428
	Selenium	4990	5000	100	90 - 110	P	07/10/2025	21:27	LB136428
	Silver	1240	1250	99	90 - 110	P	07/10/2025	21:27	LB136428
	Sodium	24900	25000	100	90 - 110	P	07/10/2025	21:27	LB136428
	Thallium	5140	5000	103	90 - 110	P	07/10/2025	21:27	LB136428
	Vanadium	2440	2500	98	90 - 110	P	07/10/2025	21:27	LB136428
	Zinc	2650	2500	106	90 - 110	P	07/10/2025	21:27	LB136428
CCV05	Aluminum	9670	10000	97	90 - 110	P	07/10/2025	22:25	LB136428
	Antimony	4960	5000	99	90 - 110	P	07/10/2025	22:25	LB136428
	Arsenic	4990	5000	100	90 - 110	P	07/10/2025	22:25	LB136428
	Barium	9580	10000	96	90 - 110	P	07/10/2025	22:25	LB136428
	Beryllium	244	250	98	90 - 110	P	07/10/2025	22:25	LB136428
	Cadmium	2460	2500	98	90 - 110	P	07/10/2025	22:25	LB136428
	Calcium	24100	25000	96	90 - 110	P	07/10/2025	22:25	LB136428
	Chromium	992	1000	99	90 - 110	P	07/10/2025	22:25	LB136428
	Cobalt	2440	2500	98	90 - 110	P	07/10/2025	22:25	LB136428
	Copper	1230	1250	99	90 - 110	P	07/10/2025	22:25	LB136428
	Iron	4810	5000	96	90 - 110	P	07/10/2025	22:25	LB136428
	Lead	4880	5000	98	90 - 110	P	07/10/2025	22:25	LB136428
	Magnesium	23900	25000	96	90 - 110	P	07/10/2025	22:25	LB136428
	Manganese	2450	2500	98	90 - 110	P	07/10/2025	22:25	LB136428

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith
Contract: CAMP02
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

SDG No.: Q2543
Lab Code: ACE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Nickel	2450	2500	98	90 - 110	P	07/10/2025	22:25	LB136428
	Potassium	26500	25000	106	90 - 110	P	07/10/2025	22:25	LB136428
	Selenium	4970	5000	99	90 - 110	P	07/10/2025	22:25	LB136428
	Silver	1230	1250	98	90 - 110	P	07/10/2025	22:25	LB136428
	Sodium	25900	25000	104	90 - 110	P	07/10/2025	22:25	LB136428
	Thallium	4920	5000	98	90 - 110	P	07/10/2025	22:25	LB136428
	Vanadium	2410	2500	96	90 - 110	P	07/10/2025	22:25	LB136428
	Zinc	2690	2500	108	90 - 110	P	07/10/2025	22:25	LB136428
CCV06	Aluminum	9610	10000	96	90 - 110	P	07/10/2025	23:27	LB136428
	Antimony	4820	5000	96	90 - 110	P	07/10/2025	23:27	LB136428
	Arsenic	4850	5000	97	90 - 110	P	07/10/2025	23:27	LB136428
	Barium	9580	10000	96	90 - 110	P	07/10/2025	23:27	LB136428
	Beryllium	246	250	98	90 - 110	P	07/10/2025	23:27	LB136428
	Cadmium	2430	2500	97	90 - 110	P	07/10/2025	23:27	LB136428
	Calcium	24000	25000	96	90 - 110	P	07/10/2025	23:27	LB136428
	Chromium	984	1000	98	90 - 110	P	07/10/2025	23:27	LB136428
	Cobalt	2410	2500	96	90 - 110	P	07/10/2025	23:27	LB136428
	Copper	1210	1250	97	90 - 110	P	07/10/2025	23:27	LB136428
	Iron	4640	5000	93	90 - 110	P	07/10/2025	23:27	LB136428
	Lead	4810	5000	96	90 - 110	P	07/10/2025	23:27	LB136428
	Magnesium	23900	25000	96	90 - 110	P	07/10/2025	23:27	LB136428
	Manganese	2450	2500	98	90 - 110	P	07/10/2025	23:27	LB136428
	Nickel	2410	2500	96	90 - 110	P	07/10/2025	23:27	LB136428
	Potassium	25000	25000	100	90 - 110	P	07/10/2025	23:27	LB136428
	Selenium	4820	5000	96	90 - 110	P	07/10/2025	23:27	LB136428
	Silver	1210	1250	96	90 - 110	P	07/10/2025	23:27	LB136428
	Sodium	26100	25000	104	90 - 110	P	07/10/2025	23:27	LB136428
	Thallium	4850	5000	97	90 - 110	P	07/10/2025	23:27	LB136428
	Vanadium	2390	2500	95	90 - 110	P	07/10/2025	23:27	LB136428
	Zinc	2660	2500	106	90 - 110	P	07/10/2025	23:27	LB136428
CCV07	Aluminum	9660	10000	97	90 - 110	P	07/11/2025	00:18	LB136428
	Antimony	4870	5000	98	90 - 110	P	07/11/2025	00:18	LB136428
	Arsenic	4890	5000	98	90 - 110	P	07/11/2025	00:18	LB136428
	Barium	9630	10000	96	90 - 110	P	07/11/2025	00:18	LB136428

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith

SDG No.: Q2543

Contract: CAMP02

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV07	Beryllium	246	250	98	90 - 110	P	07/11/2025	00:18	LB136428
	Cadmium	2440	2500	98	90 - 110	P	07/11/2025	00:18	LB136428
	Calcium	24000	25000	96	90 - 110	P	07/11/2025	00:18	LB136428
	Chromium	987	1000	99	90 - 110	P	07/11/2025	00:18	LB136428
	Cobalt	2420	2500	97	90 - 110	P	07/11/2025	00:18	LB136428
	Copper	1220	1250	98	90 - 110	P	07/11/2025	00:18	LB136428
	Iron	4830	5000	97	90 - 110	P	07/11/2025	00:18	LB136428
	Lead	4840	5000	97	90 - 110	P	07/11/2025	00:18	LB136428
	Magnesium	24000	25000	96	90 - 110	P	07/11/2025	00:18	LB136428
	Manganese	2450	2500	98	90 - 110	P	07/11/2025	00:18	LB136428
	Nickel	2420	2500	97	90 - 110	P	07/11/2025	00:18	LB136428
	Potassium	25700	25000	103	90 - 110	P	07/11/2025	00:18	LB136428
	Selenium	4860	5000	97	90 - 110	P	07/11/2025	00:18	LB136428
	Silver	1210	1250	97	90 - 110	P	07/11/2025	00:18	LB136428
	Sodium	24800	25000	99	90 - 110	P	07/11/2025	00:18	LB136428
	Thallium	4830	5000	97	90 - 110	P	07/11/2025	00:18	LB136428
	Vanadium	2400	2500	96	90 - 110	P	07/11/2025	00:18	LB136428
	Zinc	2690	2500	108	90 - 110	P	07/11/2025	00:18	LB136428
CCV08	Aluminum	9610	10000	96	90 - 110	P	07/11/2025	01:09	LB136428
	Antimony	4820	5000	96	90 - 110	P	07/11/2025	01:09	LB136428
	Arsenic	4840	5000	97	90 - 110	P	07/11/2025	01:09	LB136428
	Barium	9520	10000	95	90 - 110	P	07/11/2025	01:09	LB136428
	Beryllium	247	250	99	90 - 110	P	07/11/2025	01:09	LB136428
	Cadmium	2440	2500	98	90 - 110	P	07/11/2025	01:09	LB136428
	Calcium	24100	25000	96	90 - 110	P	07/11/2025	01:09	LB136428
	Chromium	988	1000	99	90 - 110	P	07/11/2025	01:09	LB136428
	Cobalt	2430	2500	97	90 - 110	P	07/11/2025	01:09	LB136428
	Copper	1220	1250	97	90 - 110	P	07/11/2025	01:09	LB136428
	Iron	4700	5000	94	90 - 110	P	07/11/2025	01:09	LB136428
	Lead	4830	5000	97	90 - 110	P	07/11/2025	01:09	LB136428
	Magnesium	24200	25000	97	90 - 110	P	07/11/2025	01:09	LB136428
	Manganese	2460	2500	98	90 - 110	P	07/11/2025	01:09	LB136428
	Nickel	2420	2500	97	90 - 110	P	07/11/2025	01:09	LB136428
	Potassium	25400	25000	102	90 - 110	P	07/11/2025	01:09	LB136428

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith

SDG No.: Q2543

Contract: CAMP02

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV08	Selenium	4790	5000	96	90 - 110	P	07/11/2025	01:09	LB136428
	Silver	1200	1250	96	90 - 110	P	07/11/2025	01:09	LB136428
	Sodium	24800	25000	99	90 - 110	P	07/11/2025	01:09	LB136428
	Thallium	4740	5000	95	90 - 110	P	07/11/2025	01:09	LB136428
	Vanadium	2410	2500	96	90 - 110	P	07/11/2025	01:09	LB136428
	Zinc	2710	2500	108	90 - 110	P	07/11/2025	01:09	LB136428
CCV09	Aluminum	9630	10000	96	90 - 110	P	07/11/2025	01:58	LB136428
	Antimony	4790	5000	96	90 - 110	P	07/11/2025	01:58	LB136428
	Arsenic	4830	5000	97	90 - 110	P	07/11/2025	01:58	LB136428
	Barium	9590	10000	96	90 - 110	P	07/11/2025	01:58	LB136428
	Beryllium	257	250	103	90 - 110	P	07/11/2025	01:58	LB136428
	Cadmium	2450	2500	98	90 - 110	P	07/11/2025	01:58	LB136428
	Calcium	24100	25000	96	90 - 110	P	07/11/2025	01:58	LB136428
	Chromium	999	1000	100	90 - 110	P	07/11/2025	01:58	LB136428
	Cobalt	2430	2500	97	90 - 110	P	07/11/2025	01:58	LB136428
	Copper	1220	1250	97	90 - 110	P	07/11/2025	01:58	LB136428
	Iron	4670	5000	93	90 - 110	P	07/11/2025	01:58	LB136428
	Lead	4860	5000	97	90 - 110	P	07/11/2025	01:58	LB136428
	Magnesium	24500	25000	98	90 - 110	P	07/11/2025	01:58	LB136428
	Manganese	2480	2500	99	90 - 110	P	07/11/2025	01:58	LB136428
	Nickel	2430	2500	97	90 - 110	P	07/11/2025	01:58	LB136428
	Potassium	25100	25000	100	90 - 110	P	07/11/2025	01:58	LB136428
	Selenium	4790	5000	96	90 - 110	P	07/11/2025	01:58	LB136428
	Silver	1220	1250	98	90 - 110	P	07/11/2025	01:58	LB136428
	Sodium	24700	25000	99	90 - 110	P	07/11/2025	01:58	LB136428
	Thallium	4980	5000	100	90 - 110	P	07/11/2025	01:58	LB136428
	Vanadium	2420	2500	97	90 - 110	P	07/11/2025	01:58	LB136428
	Zinc	2740	2500	110	90 - 110	P	07/11/2025	01:58	LB136428
CCV10	Aluminum	9600	10000	96	90 - 110	P	07/11/2025	02:36	LB136428
	Antimony	4790	5000	96	90 - 110	P	07/11/2025	02:36	LB136428
	Arsenic	4840	5000	97	90 - 110	P	07/11/2025	02:36	LB136428
	Barium	9510	10000	95	90 - 110	P	07/11/2025	02:36	LB136428
	Beryllium	257	250	103	90 - 110	P	07/11/2025	02:36	LB136428
	Cadmium	2440	2500	97	90 - 110	P	07/11/2025	02:36	LB136428

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith

Contract: CAMP02

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

SDG No.: Q2543

Lab Code: ACE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV10	Calcium	24000	25000	96	90 - 110	P	07/11/2025	02:36	LB136428
	Chromium	991	1000	99	90 - 110	P	07/11/2025	02:36	LB136428
	Cobalt	2420	2500	97	90 - 110	P	07/11/2025	02:36	LB136428
	Copper	1210	1250	97	90 - 110	P	07/11/2025	02:36	LB136428
	Iron	4680	5000	94	90 - 110	P	07/11/2025	02:36	LB136428
	Lead	4840	5000	97	90 - 110	P	07/11/2025	02:36	LB136428
	Magnesium	24400	25000	98	90 - 110	P	07/11/2025	02:36	LB136428
	Manganese	2470	2500	99	90 - 110	P	07/11/2025	02:36	LB136428
	Nickel	2410	2500	97	90 - 110	P	07/11/2025	02:36	LB136428
	Potassium	24800	25000	99	90 - 110	P	07/11/2025	02:36	LB136428
	Selenium	4810	5000	96	90 - 110	P	07/11/2025	02:36	LB136428
	Silver	1210	1250	96	90 - 110	P	07/11/2025	02:36	LB136428
	Sodium	26700	25000	107	90 - 110	P	07/11/2025	02:36	LB136428
	Thallium	4960	5000	99	90 - 110	P	07/11/2025	02:36	LB136428
	Vanadium	2410	2500	96	90 - 110	P	07/11/2025	02:36	LB136428
	Zinc	2720	2500	109	90 - 110	P	07/11/2025	02:36	LB136428

Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: CDM Smith

SDG No.: Q2543

Contract: CAMP02

Lab Code: ACE

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Aluminum	94.2	100	94	65 - 135	P	07/10/2025	18:09	LB136428
	Antimony	50.0	50.0	100	65 - 135	P	07/10/2025	18:09	LB136428
	Arsenic	22.0	20.0	110	65 - 135	P	07/10/2025	18:09	LB136428
	Barium	101	100	101	65 - 135	P	07/10/2025	18:09	LB136428
	Beryllium	6.42	6.0	107	65 - 135	P	07/10/2025	18:09	LB136428
	Cadmium	5.94	6.0	99	65 - 135	P	07/10/2025	18:09	LB136428
	Calcium	2050	2000	102	65 - 135	P	07/10/2025	18:09	LB136428
	Chromium	10.7	10.0	106	65 - 135	P	07/10/2025	18:09	LB136428
	Cobalt	29.8	30.0	99	65 - 135	P	07/10/2025	18:09	LB136428
	Copper	21.9	20.0	109	65 - 135	P	07/10/2025	18:09	LB136428
	Iron	104	100	104	65 - 135	P	07/10/2025	18:09	LB136428
	Lead	11.2	12.0	93	65 - 135	P	07/10/2025	18:09	LB136428
	Magnesium	2230	2000	111	65 - 135	P	07/10/2025	18:09	LB136428
	Manganese	22.1	20.0	110	65 - 135	P	07/10/2025	18:09	LB136428
	Nickel	40.6	40.0	102	65 - 135	P	07/10/2025	18:09	LB136428
	Potassium	1860	2000	93	65 - 135	P	07/10/2025	18:09	LB136428
	Selenium	24.0	20.0	120	65 - 135	P	07/10/2025	18:09	LB136428
	Silver	8.69	10.0	87	65 - 135	P	07/10/2025	18:09	LB136428
	Sodium	1960	2000	98	65 - 135	P	07/10/2025	18:09	LB136428
	Thallium	45.3	40.0	113	65 - 135	P	07/10/2025	18:09	LB136428
	Vanadium	41.0	40.0	102	65 - 135	P	07/10/2025	18:09	LB136428
	Zinc	40.7	40.0	102	65 - 135	P	07/10/2025	18:09	LB136428
CRA	Mercury	0.23	0.2	116	70 - 130	CV	07/11/2025	14:28	LB136438



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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:

CDM Smith

SDG No.:

Q2543

Contract:

CAMP02

Lab Code:

ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB25	Mercury	0.076	+/-0.2	U	0.20	CV	07/11/2025	14:15	LB136438

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith

SDG No.: Q2543

Contract: CAMP02

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB82	Mercury	0.076	+/-0.2	U	0.20	CV	07/11/2025	14:25	LB136438
CCB83	Mercury	0.076	+/-0.2	U	0.20	CV	07/11/2025	15:01	LB136438
CCB84	Mercury	0.076	+/-0.2	U	0.20	CV	07/11/2025	15:29	LB136438
CCB85	Mercury	0.076	+/-0.2	U	0.20	CV	07/11/2025	16:04	LB136438
CCB86	Mercury	0.076	+/-0.2	U	0.20	CV	07/11/2025	16:34	LB136438

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith

SDG No.: Q2543

Contract: CAMP02

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	11.3	+/-50	U	100	P	07/10/2025	18:05	LB136428
	Antimony	6.76	+/-25	U	50.0	P	07/10/2025	18:05	LB136428
	Arsenic	5.12	+/-10	U	20.0	P	07/10/2025	18:05	LB136428
	Barium	14.6	+/-50	U	100	P	07/10/2025	18:05	LB136428
	Beryllium	0.56	+/-3	U	6.00	P	07/10/2025	18:05	LB136428
	Cadmium	0.50	+/-3	U	6.00	P	07/10/2025	18:05	LB136428
	Calcium	234	+/-1000	U	2000	P	07/10/2025	18:05	LB136428
	Chromium	2.12	+/-5	U	10.0	P	07/10/2025	18:05	LB136428
	Cobalt	2.26	+/-15	U	30.0	P	07/10/2025	18:05	LB136428
	Copper	4.60	+/-10	U	20.0	P	07/10/2025	18:05	LB136428
	Iron	23.4	+/-50	U	100	P	07/10/2025	18:05	LB136428
	Lead	2.30	+/-6	U	12.0	P	07/10/2025	18:05	LB136428
	Magnesium	244	+/-1000	U	2000	P	07/10/2025	18:05	LB136428
	Manganese	5.94	+/-10	U	20.0	P	07/10/2025	18:05	LB136428
	Nickel	3.06	+/-20	U	40.0	P	07/10/2025	18:05	LB136428
	Potassium	918	+/-1000	U	2000	P	07/10/2025	18:05	LB136428
	Selenium	9.64	+/-10	U	20.0	P	07/10/2025	18:05	LB136428
	Silver	1.62	+/-5	U	10.0	P	07/10/2025	18:05	LB136428
	Sodium	868	+/-1000	U	2000	P	07/10/2025	18:05	LB136428
	Thallium	4.38	+/-20	U	40.0	P	07/10/2025	18:05	LB136428
	Vanadium	6.26	+/-20	U	40.0	P	07/10/2025	18:05	LB136428
	Zinc	16.7	+/-20	U	40.0	P	07/10/2025	18:05	LB136428

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2543
Contract: CAMP02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	11.3	+/-50	U	100	P	07/10/2025	18:44	LB136428
	Antimony	6.76	+/-25	U	50.0	P	07/10/2025	18:44	LB136428
	Arsenic	5.12	+/-10	U	20.0	P	07/10/2025	18:44	LB136428
	Barium	14.6	+/-50	U	100	P	07/10/2025	18:44	LB136428
	Beryllium	0.56	+/-3	U	6.00	P	07/10/2025	18:44	LB136428
	Cadmium	0.50	+/-3	U	6.00	P	07/10/2025	18:44	LB136428
	Calcium	234	+/-1000	U	2000	P	07/10/2025	18:44	LB136428
	Chromium	2.12	+/-5	U	10.0	P	07/10/2025	18:44	LB136428
	Cobalt	2.26	+/-15	U	30.0	P	07/10/2025	18:44	LB136428
	Copper	4.60	+/-10	U	20.0	P	07/10/2025	18:44	LB136428
	Iron	23.4	+/-50	U	100	P	07/10/2025	18:44	LB136428
	Lead	2.30	+/-6	U	12.0	P	07/10/2025	18:44	LB136428
	Magnesium	244	+/-1000	U	2000	P	07/10/2025	18:44	LB136428
	Manganese	5.94	+/-10	U	20.0	P	07/10/2025	18:44	LB136428
	Nickel	3.06	+/-20	U	40.0	P	07/10/2025	18:44	LB136428
	Potassium	918	+/-1000	U	2000	P	07/10/2025	18:44	LB136428
	Selenium	9.64	+/-10	U	20.0	P	07/10/2025	18:44	LB136428
	Silver	1.62	+/-5	U	10.0	P	07/10/2025	18:44	LB136428
	Sodium	868	+/-1000	U	2000	P	07/10/2025	18:44	LB136428
	Thallium	4.38	+/-20	U	40.0	P	07/10/2025	18:44	LB136428
	Vanadium	6.26	+/-20	U	40.0	P	07/10/2025	18:44	LB136428
	Zinc	16.7	+/-20	U	40.0	P	07/10/2025	18:44	LB136428
CCB02	Aluminum	11.3	+/-50	U	100	P	07/10/2025	19:34	LB136428
	Antimony	6.76	+/-25	U	50.0	P	07/10/2025	19:34	LB136428
	Arsenic	5.12	+/-10	U	20.0	P	07/10/2025	19:34	LB136428
	Barium	14.6	+/-50	U	100	P	07/10/2025	19:34	LB136428
	Beryllium	0.56	+/-3	U	6.00	P	07/10/2025	19:34	LB136428
	Cadmium	0.50	+/-3	U	6.00	P	07/10/2025	19:34	LB136428
	Calcium	234	+/-1000	U	2000	P	07/10/2025	19:34	LB136428
	Chromium	2.12	+/-5	U	10.0	P	07/10/2025	19:34	LB136428
	Cobalt	2.26	+/-15	U	30.0	P	07/10/2025	19:34	LB136428
	Copper	4.60	+/-10	U	20.0	P	07/10/2025	19:34	LB136428
	Iron	23.4	+/-50	U	100	P	07/10/2025	19:34	LB136428
	Lead	2.30	+/-6	U	12.0	P	07/10/2025	19:34	LB136428
	Magnesium	244	+/-1000	U	2000	P	07/10/2025	19:34	LB136428
	Manganese	5.94	+/-10	U	20.0	P	07/10/2025	19:34	LB136428
	Nickel	3.06	+/-20	U	40.0	P	07/10/2025	19:34	LB136428
	Potassium	918	+/-1000	U	2000	P	07/10/2025	19:34	LB136428
	Selenium	9.64	+/-10	U	20.0	P	07/10/2025	19:34	LB136428

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith

SDG No.: Q2543

Contract: CAMP02

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	1.62	+/-5	U	10.0	P	07/10/2025	19:34	LB136428
	Sodium	868	+/-1000	U	2000	P	07/10/2025	19:34	LB136428
	Thallium	4.38	+/-20	U	40.0	P	07/10/2025	19:34	LB136428
	Vanadium	6.26	+/-20	U	40.0	P	07/10/2025	19:34	LB136428
	Zinc	16.7	+/-20	U	40.0	P	07/10/2025	19:34	LB136428
CCB03	Aluminum	11.3	+/-50	U	100	P	07/10/2025	20:36	LB136428
	Antimony	6.76	+/-25	U	50.0	P	07/10/2025	20:36	LB136428
	Arsenic	5.12	+/-10	U	20.0	P	07/10/2025	20:36	LB136428
	Barium	14.6	+/-50	U	100	P	07/10/2025	20:36	LB136428
	Beryllium	0.56	+/-3	U	6.00	P	07/10/2025	20:36	LB136428
	Cadmium	0.50	+/-3	U	6.00	P	07/10/2025	20:36	LB136428
	Calcium	234	+/-1000	U	2000	P	07/10/2025	20:36	LB136428
	Chromium	2.12	+/-5	U	10.0	P	07/10/2025	20:36	LB136428
	Cobalt	2.26	+/-15	U	30.0	P	07/10/2025	20:36	LB136428
	Copper	4.60	+/-10	U	20.0	P	07/10/2025	20:36	LB136428
	Iron	23.4	+/-50	U	100	P	07/10/2025	20:36	LB136428
	Lead	2.30	+/-6	U	12.0	P	07/10/2025	20:36	LB136428
	Magnesium	244	+/-1000	U	2000	P	07/10/2025	20:36	LB136428
	Manganese	5.94	+/-10	U	20.0	P	07/10/2025	20:36	LB136428
	Nickel	3.06	+/-20	U	40.0	P	07/10/2025	20:36	LB136428
	Potassium	918	+/-1000	U	2000	P	07/10/2025	20:36	LB136428
	Selenium	9.64	+/-10	U	20.0	P	07/10/2025	20:36	LB136428
	Silver	1.62	+/-5	U	10.0	P	07/10/2025	20:36	LB136428
	Sodium	868	+/-1000	U	2000	P	07/10/2025	20:36	LB136428
	Thallium	4.38	+/-20	U	40.0	P	07/10/2025	20:36	LB136428
	Vanadium	6.26	+/-20	U	40.0	P	07/10/2025	20:36	LB136428
	Zinc	16.7	+/-20	U	40.0	P	07/10/2025	20:36	LB136428
CCB04	Aluminum	11.3	+/-50	U	100	P	07/10/2025	21:31	LB136428
	Antimony	6.76	+/-25	U	50.0	P	07/10/2025	21:31	LB136428
	Arsenic	5.12	+/-10	U	20.0	P	07/10/2025	21:31	LB136428
	Barium	14.6	+/-50	U	100	P	07/10/2025	21:31	LB136428
	Beryllium	0.56	+/-3	U	6.00	P	07/10/2025	21:31	LB136428
	Cadmium	0.50	+/-3	U	6.00	P	07/10/2025	21:31	LB136428
	Calcium	234	+/-1000	U	2000	P	07/10/2025	21:31	LB136428
	Chromium	2.12	+/-5	U	10.0	P	07/10/2025	21:31	LB136428
	Cobalt	2.26	+/-15	U	30.0	P	07/10/2025	21:31	LB136428
	Copper	4.60	+/-10	U	20.0	P	07/10/2025	21:31	LB136428
	Iron	23.4	+/-50	U	100	P	07/10/2025	21:31	LB136428
	Lead	2.30	+/-6	U	12.0	P	07/10/2025	21:31	LB136428

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2543
Contract: CAMP02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	244	+/-1000	U	2000	P	07/10/2025	21:31	LB136428
	Manganese	5.94	+/-10	U	20.0	P	07/10/2025	21:31	LB136428
	Nickel	3.06	+/-20	U	40.0	P	07/10/2025	21:31	LB136428
	Potassium	918	+/-1000	U	2000	P	07/10/2025	21:31	LB136428
	Selenium	9.64	+/-10	U	20.0	P	07/10/2025	21:31	LB136428
	Silver	1.62	+/-5	U	10.0	P	07/10/2025	21:31	LB136428
	Sodium	868	+/-1000	U	2000	P	07/10/2025	21:31	LB136428
	Thallium	4.38	+/-20	U	40.0	P	07/10/2025	21:31	LB136428
	Vanadium	6.26	+/-20	U	40.0	P	07/10/2025	21:31	LB136428
	Zinc	16.7	+/-20	U	40.0	P	07/10/2025	21:31	LB136428
CCB05	Aluminum	11.3	+/-50	U	100	P	07/10/2025	22:31	LB136428
	Antimony	6.76	+/-25	U	50.0	P	07/10/2025	22:31	LB136428
	Arsenic	5.12	+/-10	U	20.0	P	07/10/2025	22:31	LB136428
	Barium	14.6	+/-50	U	100	P	07/10/2025	22:31	LB136428
	Beryllium	0.56	+/-3	U	6.00	P	07/10/2025	22:31	LB136428
	Cadmium	0.50	+/-3	U	6.00	P	07/10/2025	22:31	LB136428
	Calcium	234	+/-1000	U	2000	P	07/10/2025	22:31	LB136428
	Chromium	2.12	+/-5	U	10.0	P	07/10/2025	22:31	LB136428
	Cobalt	2.26	+/-15	U	30.0	P	07/10/2025	22:31	LB136428
	Copper	4.60	+/-10	U	20.0	P	07/10/2025	22:31	LB136428
	Iron	23.4	+/-50	U	100	P	07/10/2025	22:31	LB136428
	Lead	2.30	+/-6	U	12.0	P	07/10/2025	22:31	LB136428
	Magnesium	244	+/-1000	U	2000	P	07/10/2025	22:31	LB136428
	Manganese	5.94	+/-10	U	20.0	P	07/10/2025	22:31	LB136428
	Nickel	3.06	+/-20	U	40.0	P	07/10/2025	22:31	LB136428
	Potassium	918	+/-1000	U	2000	P	07/10/2025	22:31	LB136428
	Selenium	9.64	+/-10	U	20.0	P	07/10/2025	22:31	LB136428
	Silver	1.62	+/-5	U	10.0	P	07/10/2025	22:31	LB136428
	Sodium	868	+/-1000	U	2000	P	07/10/2025	22:31	LB136428
	Thallium	4.38	+/-20	U	40.0	P	07/10/2025	22:31	LB136428
	Vanadium	6.26	+/-20	U	40.0	P	07/10/2025	22:31	LB136428
	Zinc	16.7	+/-20	U	40.0	P	07/10/2025	22:31	LB136428
CCB06	Aluminum	11.3	+/-50	U	100	P	07/10/2025	23:31	LB136428
	Antimony	6.76	+/-25	U	50.0	P	07/10/2025	23:31	LB136428
	Arsenic	5.12	+/-10	U	20.0	P	07/10/2025	23:31	LB136428
	Barium	14.6	+/-50	U	100	P	07/10/2025	23:31	LB136428
	Beryllium	0.56	+/-3	U	6.00	P	07/10/2025	23:31	LB136428
	Cadmium	0.50	+/-3	U	6.00	P	07/10/2025	23:31	LB136428
	Calcium	234	+/-1000	U	2000	P	07/10/2025	23:31	LB136428

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith

SDG No.: Q2543

Contract: CAMP02

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Chromium	2.12	+/-5	U	10.0	P	07/10/2025	23:31	LB136428
	Cobalt	2.26	+/-15	U	30.0	P	07/10/2025	23:31	LB136428
	Copper	4.60	+/-10	U	20.0	P	07/10/2025	23:31	LB136428
	Iron	23.4	+/-50	U	100	P	07/10/2025	23:31	LB136428
	Lead	2.30	+/-6	U	12.0	P	07/10/2025	23:31	LB136428
	Magnesium	244	+/-1000	U	2000	P	07/10/2025	23:31	LB136428
	Manganese	5.94	+/-10	U	20.0	P	07/10/2025	23:31	LB136428
	Nickel	3.06	+/-20	U	40.0	P	07/10/2025	23:31	LB136428
	Potassium	918	+/-1000	U	2000	P	07/10/2025	23:31	LB136428
	Selenium	9.64	+/-10	U	20.0	P	07/10/2025	23:31	LB136428
	Silver	1.62	+/-5	U	10.0	P	07/10/2025	23:31	LB136428
	Sodium	868	+/-1000	U	2000	P	07/10/2025	23:31	LB136428
	Thallium	4.38	+/-20	U	40.0	P	07/10/2025	23:31	LB136428
	Vanadium	6.26	+/-20	U	40.0	P	07/10/2025	23:31	LB136428
	Zinc	16.7	+/-20	U	40.0	P	07/10/2025	23:31	LB136428
CCB07	Aluminum	11.3	+/-50	U	100	P	07/11/2025	00:22	LB136428
	Antimony	6.76	+/-25	U	50.0	P	07/11/2025	00:22	LB136428
	Arsenic	5.12	+/-10	U	20.0	P	07/11/2025	00:22	LB136428
	Barium	14.6	+/-50	U	100	P	07/11/2025	00:22	LB136428
	Beryllium	0.56	+/-3	U	6.00	P	07/11/2025	00:22	LB136428
	Cadmium	0.50	+/-3	U	6.00	P	07/11/2025	00:22	LB136428
	Calcium	234	+/-1000	U	2000	P	07/11/2025	00:22	LB136428
	Chromium	2.12	+/-5	U	10.0	P	07/11/2025	00:22	LB136428
	Cobalt	2.26	+/-15	U	30.0	P	07/11/2025	00:22	LB136428
	Copper	4.60	+/-10	U	20.0	P	07/11/2025	00:22	LB136428
	Iron	23.4	+/-50	U	100	P	07/11/2025	00:22	LB136428
	Lead	2.30	+/-6	U	12.0	P	07/11/2025	00:22	LB136428
	Magnesium	244	+/-1000	U	2000	P	07/11/2025	00:22	LB136428
	Manganese	5.94	+/-10	U	20.0	P	07/11/2025	00:22	LB136428
	Nickel	3.06	+/-20	U	40.0	P	07/11/2025	00:22	LB136428
	Potassium	918	+/-1000	U	2000	P	07/11/2025	00:22	LB136428
	Selenium	9.64	+/-10	U	20.0	P	07/11/2025	00:22	LB136428
	Silver	1.62	+/-5	U	10.0	P	07/11/2025	00:22	LB136428
	Sodium	868	+/-1000	U	2000	P	07/11/2025	00:22	LB136428
	Thallium	4.38	+/-20	U	40.0	P	07/11/2025	00:22	LB136428
	Vanadium	6.26	+/-20	U	40.0	P	07/11/2025	00:22	LB136428
	Zinc	16.7	+/-20	U	40.0	P	07/11/2025	00:22	LB136428
CCB08	Aluminum	11.3	+/-50	U	100	P	07/11/2025	01:14	LB136428
	Antimony	6.76	+/-25	U	50.0	P	07/11/2025	01:14	LB136428

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith

SDG No.: Q2543

Contract: CAMP02

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB08	Arsenic	5.12	+/-10	U	20.0	P	07/11/2025	01:14	LB136428
	Barium	14.6	+/-50	U	100	P	07/11/2025	01:14	LB136428
	Beryllium	0.56	+/-3	U	6.00	P	07/11/2025	01:14	LB136428
	Cadmium	0.50	+/-3	U	6.00	P	07/11/2025	01:14	LB136428
	Calcium	234	+/-1000	U	2000	P	07/11/2025	01:14	LB136428
	Chromium	2.12	+/-5	U	10.0	P	07/11/2025	01:14	LB136428
	Cobalt	2.26	+/-15	U	30.0	P	07/11/2025	01:14	LB136428
	Copper	4.60	+/-10	U	20.0	P	07/11/2025	01:14	LB136428
	Iron	23.4	+/-50	U	100	P	07/11/2025	01:14	LB136428
	Lead	2.30	+/-6	U	12.0	P	07/11/2025	01:14	LB136428
	Magnesium	244	+/-1000	U	2000	P	07/11/2025	01:14	LB136428
	Manganese	5.94	+/-10	U	20.0	P	07/11/2025	01:14	LB136428
	Nickel	3.06	+/-20	U	40.0	P	07/11/2025	01:14	LB136428
	Potassium	918	+/-1000	U	2000	P	07/11/2025	01:14	LB136428
	Selenium	9.64	+/-10	U	20.0	P	07/11/2025	01:14	LB136428
	Silver	1.62	+/-5	U	10.0	P	07/11/2025	01:14	LB136428
	Sodium	868	+/-1000	U	2000	P	07/11/2025	01:14	LB136428
	Thallium	4.38	+/-20	U	40.0	P	07/11/2025	01:14	LB136428
	Vanadium	6.26	+/-20	U	40.0	P	07/11/2025	01:14	LB136428
	Zinc	16.7	+/-20	U	40.0	P	07/11/2025	01:14	LB136428
CCB09	Aluminum	11.3	+/-50	U	100	P	07/11/2025	02:03	LB136428
	Antimony	6.76	+/-25	U	50.0	P	07/11/2025	02:03	LB136428
	Arsenic	5.12	+/-10	U	20.0	P	07/11/2025	02:03	LB136428
	Barium	14.6	+/-50	U	100	P	07/11/2025	02:03	LB136428
	Beryllium	0.56	+/-3	U	6.00	P	07/11/2025	02:03	LB136428
	Cadmium	0.50	+/-3	U	6.00	P	07/11/2025	02:03	LB136428
	Calcium	234	+/-1000	U	2000	P	07/11/2025	02:03	LB136428
	Chromium	2.12	+/-5	U	10.0	P	07/11/2025	02:03	LB136428
	Cobalt	2.26	+/-15	U	30.0	P	07/11/2025	02:03	LB136428
	Copper	4.60	+/-10	U	20.0	P	07/11/2025	02:03	LB136428
	Iron	23.4	+/-50	U	100	P	07/11/2025	02:03	LB136428
	Lead	2.30	+/-6	U	12.0	P	07/11/2025	02:03	LB136428
	Magnesium	244	+/-1000	U	2000	P	07/11/2025	02:03	LB136428
	Manganese	5.94	+/-10	U	20.0	P	07/11/2025	02:03	LB136428
	Nickel	3.06	+/-20	U	40.0	P	07/11/2025	02:03	LB136428
	Potassium	918	+/-1000	U	2000	P	07/11/2025	02:03	LB136428
	Selenium	9.64	+/-10	U	20.0	P	07/11/2025	02:03	LB136428
	Silver	1.62	+/-5	U	10.0	P	07/11/2025	02:03	LB136428
	Sodium	868	+/-1000	U	2000	P	07/11/2025	02:03	LB136428

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2543
Contract: CAMP02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB09	Thallium	4.38	+/-20	U	40.0	P	07/11/2025	02:03	LB136428
	Vanadium	6.26	+/-20	U	40.0	P	07/11/2025	02:03	LB136428
	Zinc	16.7	+/-20	U	40.0	P	07/11/2025	02:03	LB136428
CCB10	Aluminum	11.3	+/-50	U	100	P	07/11/2025	02:40	LB136428
	Antimony	6.76	+/-25	U	50.0	P	07/11/2025	02:40	LB136428
	Arsenic	5.12	+/-10	U	20.0	P	07/11/2025	02:40	LB136428
	Barium	14.6	+/-50	U	100	P	07/11/2025	02:40	LB136428
	Beryllium	0.56	+/-3	U	6.00	P	07/11/2025	02:40	LB136428
	Cadmium	0.50	+/-3	U	6.00	P	07/11/2025	02:40	LB136428
	Calcium	234	+/-1000	U	2000	P	07/11/2025	02:40	LB136428
	Chromium	2.12	+/-5	U	10.0	P	07/11/2025	02:40	LB136428
	Cobalt	2.26	+/-15	U	30.0	P	07/11/2025	02:40	LB136428
	Copper	4.60	+/-10	U	20.0	P	07/11/2025	02:40	LB136428
	Iron	23.4	+/-50	U	100	P	07/11/2025	02:40	LB136428
	Lead	2.30	+/-6	U	12.0	P	07/11/2025	02:40	LB136428
	Magnesium	244	+/-1000	U	2000	P	07/11/2025	02:40	LB136428
	Manganese	5.94	+/-10	U	20.0	P	07/11/2025	02:40	LB136428
	Nickel	3.06	+/-20	U	40.0	P	07/11/2025	02:40	LB136428
	Potassium	918	+/-1000	U	2000	P	07/11/2025	02:40	LB136428
	Selenium	9.64	+/-10	U	20.0	P	07/11/2025	02:40	LB136428
	Silver	1.62	+/-5	U	10.0	P	07/11/2025	02:40	LB136428
	Sodium	868	+/-1000	U	2000	P	07/11/2025	02:40	LB136428
	Thallium	4.38	+/-20	U	40.0	P	07/11/2025	02:40	LB136428
	Vanadium	6.26	+/-20	U	40.0	P	07/11/2025	02:40	LB136428
	Zinc	16.7	+/-20	U	40.0	P	07/11/2025	02:40	LB136428

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: CDM Smith

SDG No.: Q2543

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB168821BL		SOLID		Batch Number:	PB168821		Prep Date:	07/10/2025	
	Mercury	0.0080	<0.013	U	0.013	CV	07/11/2025	14:35	LB136438

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: CDM Smith

SDG No.: Q2543

Instrument: P4

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB168790BL	SOLID			Batch Number:	PB168790		Prep Date:	07/10/2025	
	Aluminum	0.84	<2.5	U	5.00	P	07/11/2025	01:18	LB136428
	Antimony	0.22	<1.25	U	2.50	P	07/11/2025	01:18	LB136428
	Arsenic	0.19	<0.5	U	1.00	P	07/11/2025	01:18	LB136428
	Barium	0.73	<2.5	U	5.00	P	07/11/2025	01:18	LB136428
	Beryllium	0.025	<0.15	U	0.30	P	07/11/2025	01:18	LB136428
	Cadmium	0.024	<0.15	U	0.30	P	07/11/2025	01:18	LB136428
	Calcium	11.1	<50	U	100	P	07/11/2025	01:18	LB136428
	Chromium	0.047	<0.25	U	0.50	P	07/11/2025	01:18	LB136428
	Cobalt	0.10	<0.75	U	1.50	P	07/11/2025	01:18	LB136428
	Copper	0.22	<0.5	U	1.00	P	07/11/2025	01:18	LB136428
	Iron	3.99	<2.5	U	5.00	P	07/11/2025	01:18	LB136428
	Lead	0.13	<0.3	U	0.60	P	07/11/2025	01:18	LB136428
	Magnesium	12.0	<50	U	100	P	07/11/2025	01:18	LB136428
	Manganese	0.14	<0.5	U	1.00	P	07/11/2025	01:18	LB136428
	Nickel	0.13	<1	U	2.00	P	07/11/2025	01:18	LB136428
	Potassium	27.7	<50	U	100	P	07/11/2025	01:18	LB136428
	Selenium	0.26	<0.5	U	1.00	P	07/11/2025	01:18	LB136428
	Silver	0.12	<0.25	U	0.50	P	07/11/2025	01:18	LB136428
	Sodium	17.8	<50	U	100	P	07/11/2025	01:18	LB136428
	Thallium	0.23	<1	U	2.00	P	07/11/2025	01:18	LB136428
	Vanadium	0.25	<1	U	2.00	P	07/11/2025	01:18	LB136428
	Zinc	0.23	<1	U	2.00	P	07/11/2025	01:18	LB136428

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: <u>CDM Smith</u>	SDG No.: <u>Q2543</u>
Contract: <u>CAMP02</u>	Lab Code: <u>ACE</u>
ICS Source: <u>EPA</u>	Instrument ID: <u>P4</u>

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Aluminum	261000	255000	102	216000	294000	07/10/2025	18:14	LB136428
	Antimony	-0.046			-50	50	07/10/2025	18:14	LB136428
	Arsenic	9.78			-20	20	07/10/2025	18:14	LB136428
	Barium	1.97	6.0	33	-94	106	07/10/2025	18:14	LB136428
	Beryllium	1.64			-6	6	07/10/2025	18:14	LB136428
	Cadmium	-0.15	1.0	15	-5	7	07/10/2025	18:14	LB136428
	Calcium	243000	245000	99	208000	282000	07/10/2025	18:14	LB136428
	Chromium	58.9	52.0	113	42	62	07/10/2025	18:14	LB136428
	Cobalt	2.92			-30	30	07/10/2025	18:14	LB136428
	Copper	-1.93	2.0	96	-18	22	07/10/2025	18:14	LB136428
	Iron	104000	101000	103	85600	116500	07/10/2025	18:14	LB136428
	Lead	-4.02			-12	12	07/10/2025	18:14	LB136428
	Magnesium	260000	255000	102	216000	294000	07/10/2025	18:14	LB136428
	Manganese	2.39	7.0	34	-13	27	07/10/2025	18:14	LB136428
	Nickel	19.7	2.0	985	-38	42	07/10/2025	18:14	LB136428
	Potassium	253			0	0	07/10/2025	18:14	LB136428
	Selenium	-5.79			-20	20	07/10/2025	18:14	LB136428
	Silver	-0.013			-10	10	07/10/2025	18:14	LB136428
	Sodium	202			0	0	07/10/2025	18:14	LB136428
	Thallium	-1.63			-40	40	07/10/2025	18:14	LB136428
	Vanadium	5.55			-40	40	07/10/2025	18:14	LB136428
	Zinc	4.88			-40	40	07/10/2025	18:14	LB136428
ICSAB01	Aluminum	258000	247000	104	209000	285000	07/10/2025	18:18	LB136428
	Antimony	578	618	94	525	711	07/10/2025	18:18	LB136428
	Arsenic	105	104	101	88.4	120	07/10/2025	18:18	LB136428
	Barium	487	537	91	437	637	07/10/2025	18:18	LB136428
	Beryllium	484	495	98	420	570	07/10/2025	18:18	LB136428
	Cadmium	952	972	98	826	1120	07/10/2025	18:18	LB136428
	Calcium	240000	235000	102	199000	271000	07/10/2025	18:18	LB136428
	Chromium	552	542	102	460	624	07/10/2025	18:18	LB136428
	Cobalt	481	476	101	404	548	07/10/2025	18:18	LB136428
	Copper	461	511	90	434	588	07/10/2025	18:18	LB136428
	Iron	99900	99300	101	84400	114500	07/10/2025	18:18	LB136428
	Lead	39.5	49.0	81	37	61	07/10/2025	18:18	LB136428
	Magnesium	257000	248000	104	210000	286000	07/10/2025	18:18	LB136428
	Manganese	478	507	94	430	584	07/10/2025	18:18	LB136428
	Nickel	974	954	102	810	1100	07/10/2025	18:18	LB136428
	Potassium	87.2			0	0	07/10/2025	18:18	LB136428
	Selenium	48.9	46.0	106	26	66	07/10/2025	18:18	LB136428
	Silver	203	201	101	170	232	07/10/2025	18:18	LB136428
	Sodium	163			0	0	07/10/2025	18:18	LB136428
	Thallium	94.8	108	88	68	148	07/10/2025	18:18	LB136428

Metals

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INTERFERENCE CHECK SAMPLE

Client: CDM Smith

SDG No.: Q2543

Contract: CAMP02

Lab Code: ACE

ICS Source: EPA

Instrument ID: P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB01	Vanadium	475	491	97	417	565	07/10/2025	18:18	LB136428
	Zinc	1070	952	112	809	1095	07/10/2025	18:18	LB136428



METAL QC DATA

metals
- 5a -
MATRIX SPIKE SUMMARY

client: CDM Smith **level:** low **sdg no.:** Q2543
contract: CAMP02 **lab code:** ACE
matrix: Solid **sample id:** Q2542-01 **client id:** VNJ-245MS

Percent Solids for Sample: 95.6 **Spiked ID:** Q2542-01MS **Percent Solids for Spike Sample:** 95.6

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	8040		7410		96.4	650		P
Antimony	mg/Kg	75 - 125	14.5		2.36	U	38.6	38	N	P
Arsenic	mg/Kg	75 - 125	34.3		3.12		38.6	81		P
Barium	mg/Kg	75 - 125	40.7		32.8		9.6	82		P
Beryllium	mg/Kg	75 - 125	8.70		0.54		9.6	85		P
Cadmium	mg/Kg	75 - 125	9.39		0.068	J	9.6	97		P
Calcium	mg/Kg	75 - 125	1000		944		48.2	126		P
Chromium	mg/Kg	75 - 125	31.2		15.0		19.3	84		P
Cobalt	mg/Kg	75 - 125	19.0		8.86		9.6	105		P
Copper	mg/Kg	75 - 125	39.1		25.0		14.5	97		P
Iron	mg/Kg	75 - 125	14600		14500		140	92		P
Lead	mg/Kg	75 - 125	66.4		21.7		48.2	93		P
Magnesium	mg/Kg	75 - 125	2540		2410		96.4	128		P
Manganese	mg/Kg	75 - 125	386		354		9.6	335		P
Nickel	mg/Kg	75 - 125	35.5		12.0		24.1	97		P
Potassium	mg/Kg	75 - 125	787		353		480	90		P
Selenium	mg/Kg	75 - 125	72.3		0.94	U	96.4	75		P
Silver	mg/Kg	75 - 125	3.19		0.47	U	3.6	89		P
Sodium	mg/Kg	75 - 125	444		302		140	101		P
Thallium	mg/Kg	75 - 125	87.4		1.88	U	96.4	91		P
Vanadium	mg/Kg	75 - 125	43.5		31.9		14.5	80		P
Zinc	mg/Kg	75 - 125	51.6		39.6		9.6	125		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: CDM Smith **level:** low **sdg no.:** Q2543
contract: CAMP02 **lab code:** ACE
matrix: Solid **sample id:** Q2542-01 **client id:** VNJ-245MSD

Percent Solids for Sample: 95.6 **Spiked ID:** Q2542-01MSD **Percent Solids for Spike Sample:** 95.6

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	7660		7410		89.4	279		P
Antimony	mg/Kg	75 - 125	13.4		2.36	U	35.8	37	N	P
Arsenic	mg/Kg	75 - 125	31.7		3.12		35.8	80		P
Barium	mg/Kg	75 - 125	38.6		32.8		8.9	64	N	P
Beryllium	mg/Kg	75 - 125	8.23		0.54		8.9	86		P
Cadmium	mg/Kg	75 - 125	8.69		0.068	J	8.9	97		P
Calcium	mg/Kg	75 - 125	967		944		44.7	53		P
Chromium	mg/Kg	75 - 125	29.1		15.0		17.9	78		P
Cobalt	mg/Kg	75 - 125	17.8		8.86		8.9	100		P
Copper	mg/Kg	75 - 125	36.3		25.0		13.4	84		P
Iron	mg/Kg	75 - 125	13600		14500		130	-731		P
Lead	mg/Kg	75 - 125	61.4		21.7		44.7	89		P
Magnesium	mg/Kg	75 - 125	2410		2410		89.4	-10		P
Manganese	mg/Kg	75 - 125	365		354		8.9	120		P
Nickel	mg/Kg	75 - 125	33.0		12.0		22.4	94		P
Potassium	mg/Kg	75 - 125	730		353		450	84		P
Selenium	mg/Kg	75 - 125	66.3		0.94	U	89.4	74	N	P
Silver	mg/Kg	75 - 125	2.85		0.47	U	3.4	84		P
Sodium	mg/Kg	75 - 125	411		302		130	84		P
Thallium	mg/Kg	75 - 125	76.5		1.88	U	89.4	86		P
Vanadium	mg/Kg	75 - 125	41.2		31.9		13.4	69	N	P
Zinc	mg/Kg	75 - 125	48.0		39.6		8.9	95		P

metals
- 5a -
MATRIX SPIKE SUMMARY

client: <u>CDM Smith</u>	level: <u>low</u>	sdg no.: <u>Q2543</u>
contract: <u>CAMP02</u>		lab code: <u>ACE</u>
matrix: <u>Solid</u>	sample id: <u>Q2558-03</u>	client id: <u>OU4-TS-Grillo-OG-070925MS</u>
Percent Solids for Sample: <u>78.7</u>	Spiked ID: <u>Q2558-03MS</u>	Percent Solids for Spike Sample: <u>78.7</u>

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 124	0.29		0.035		0.32	79	N	CV

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client:	<u>CDM Smith</u>	level:	<u>low</u>	sdg no.:	<u>Q2543</u>
contract:	<u>CAMP02</u>			lab code:	<u>ACE</u>
matrix:	<u>Solid</u>	sample id:	<u>Q2558-03</u>	client id:	<u>OU4-TS-Grillo-OG-070925MSD</u>
Percent Solids for Sample:	<u>78.7</u>	Spiked ID:	<u>Q2558-03MSD</u>	Percent Solids for Spike Sample:	<u>78.7</u>

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 124	0.28		0.035		0.32	75	N	CV

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: <u>CDM Smith</u>	SDG No.: <u>Q2543</u>	
Contract: <u>CAMP02</u>	Lab Code: <u>ACE</u>	
Matrix: <u>Solid</u>	Level: <u>LOW</u>	Client ID: <u>VNJ-245A</u>
Sample ID: <u>Q2542-01</u>	Spiked ID: <u>Q2542-01A</u>	

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	mg/Kg	75 - 125	30.2		2.36	U	37.7	80		P
Barium	mg/Kg	75 - 125	39.8		32.8		9.40	74	N	P
Selenium	mg/Kg	75 - 125	72.5		0.94	U	94.2	77		P
Vanadium	mg/Kg	75 - 125	43.3		31.9		14.1	80		P

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client:	<u>CDM Smith</u>	SDG No.:	<u>Q2543</u>
Contract:	<u>CAMP02</u>	Lab Code:	<u>ACE</u>
Matrix:	<u>Solid</u>	Level:	<u>LOW</u>
Sample ID:	<u>Q2558-03</u>	Client ID:	<u>OU4-TS-Grillo-OG-070925A</u>
	Spiked ID:	<u>Q2558-03A</u>	

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 124	0.34		0.035		0.31	99		CV

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	<u>CDM Smith</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q2543</u>
Contract:	<u>CAMP02</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>Q2542-01</u>	Client ID:	<u>VNJ-245DUP</u>
Percent Solids for Sample:	95.6	Duplicate ID	Q2542-01DUP	Percent Solids for Spike Sample:	95.6

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	7410		7040		5		P
Antimony	mg/Kg	20	2.36	U	2.27	U			P
Arsenic	mg/Kg	20	3.12		3.00		4		P
Barium	mg/Kg	20	32.8		32.4		1		P
Beryllium	mg/Kg	20	0.54		0.53		2		P
Cadmium	mg/Kg	20	0.068	J	0.070	J	3		P
Calcium	mg/Kg	20	944		899		5		P
Chromium	mg/Kg	20	15.0		15.0		0		P
Cobalt	mg/Kg	20	8.86		9.11		3		P
Copper	mg/Kg	20	25.0		25.1		0		P
Iron	mg/Kg	20	14500		14200		2		P
Lead	mg/Kg	20	21.7		21.5		1		P
Magnesium	mg/Kg	20	2410		2310		4		P
Manganese	mg/Kg	20	354		362		2		P
Nickel	mg/Kg	20	12.0		11.9		1		P
Potassium	mg/Kg	20	353		345		2		P
Selenium	mg/Kg	20	0.94	U	0.91	U			P
Silver	mg/Kg	20	0.47	U	0.46	U			P
Sodium	mg/Kg	20	302		302		0		P
Thallium	mg/Kg	20	1.88	U	1.82	U			P
Vanadium	mg/Kg	20	31.9		31.7		1		P
Zinc	mg/Kg	20	39.6		39.4		1		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>CDM Smith</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q2543</u>
Contract:	<u>CAMP02</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>Q2542-01MS</u>	Client ID:	<u>VNJ-245MSD</u>
Percent Solids for Sample:	95.6	Duplicate ID	Q2542-01MSD	Percent Solids for Spike Sample:	95.6

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	8040		7660		5		P
Antimony	mg/Kg	20	14.5		13.4		8		P
Arsenic	mg/Kg	20	34.3		31.7		8		P
Barium	mg/Kg	20	40.7		38.6		5		P
Beryllium	mg/Kg	20	8.70		8.23		6		P
Cadmium	mg/Kg	20	9.39		8.69		8		P
Calcium	mg/Kg	20	1000		967		3		P
Chromium	mg/Kg	20	31.2		29.1		7		P
Cobalt	mg/Kg	20	19.0		17.8		7		P
Copper	mg/Kg	20	39.1		36.3		7		P
Iron	mg/Kg	20	14600		13600		7		P
Lead	mg/Kg	20	66.4		61.4		8		P
Magnesium	mg/Kg	20	2540		2410		5		P
Manganese	mg/Kg	20	386		365		6		P
Nickel	mg/Kg	20	35.5		33.0		7		P
Potassium	mg/Kg	20	787		730		8		P
Selenium	mg/Kg	20	72.3		66.3		9		P
Silver	mg/Kg	20	3.19		2.85		11		P
Sodium	mg/Kg	20	444		411		8		P
Thallium	mg/Kg	20	87.4		76.5		13		P
Vanadium	mg/Kg	20	43.5		41.2		5		P
Zinc	mg/Kg	20	51.6		48.0		7		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>CDM Smith</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q2543</u>
Contract:	<u>CAMP02</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>Q2558-03</u>	Client ID:	<u>OU4-TS-Grillo-OG-070925DUP</u>
Percent Solids for Sample:	<u>78.7</u>	Duplicate ID	<u>Q2558-03DUP</u>	Percent Solids for Spike Sample:	<u>78.7</u>

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.035		0.032		9		CV

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	<u>CDM Smith</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q2543</u>
Contract:	<u>CAMP02</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>Q2558-03MS</u>	Client ID:	<u>OU4-TS-Grillo-OG-070925MSD</u>
Percent Solids for Sample:	<u>78.7</u>	Duplicate ID	<u>Q2558-03MSD</u>	Percent Solids for Spike Sample:	<u>78.7</u>

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.29		0.28		4		CV

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client:	<u>CDM Smith</u>	SDG No.:	<u>Q2543</u>
Contract:	<u>CAMP02</u>	Lab Code:	<u>ACE</u>

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168790BS							
Aluminum	mg/Kg	100	99.4		99	80 - 120	P
Antimony	mg/Kg	40.0	40.3		101	80 - 120	P
Arsenic	mg/Kg	40.0	39.2		98	80 - 120	P
Barium	mg/Kg	10.0	10.0		100	80 - 120	P
Beryllium	mg/Kg	10.0	10.9		109	80 - 120	P
Cadmium	mg/Kg	10.0	9.72		97	80 - 120	P
Calcium	mg/Kg	50.0	49.1	J	98	80 - 120	P
Chromium	mg/Kg	20.0	20.9		104	80 - 120	P
Cobalt	mg/Kg	10.0	9.95		100	80 - 120	P
Copper	mg/Kg	15.0	15.6		104	80 - 120	P
Iron	mg/Kg	150	144		96	80 - 120	P
Lead	mg/Kg	50.0	48.6		97	80 - 120	P
Magnesium	mg/Kg	100	103		103	80 - 120	P
Manganese	mg/Kg	10.0	10.6		106	80 - 120	P
Nickel	mg/Kg	25.0	24.9		100	80 - 120	P
Potassium	mg/Kg	500	499		100	80 - 120	P
Selenium	mg/Kg	100	98.4		98	80 - 120	P
Silver	mg/Kg	3.8	3.53		93	80 - 120	P
Sodium	mg/Kg	150	153		102	80 - 120	P
Thallium	mg/Kg	100	102		102	80 - 120	P
Vanadium	mg/Kg	15.0	15.2		101	80 - 120	P
Zinc	mg/Kg	10.0	11.4		114	80 - 120	P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: CDM Smith

SDG No.: Q2543

Contract: CAMP02

Lab Code: ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168821BS Mercury	mg/Kg	0.26	0.24		91	80 - 124	CV

Metals
-9 -
ICP SERIAL DILUTIONS

SAMPLE NO.

VNJ-245L

Lab Name: Alliance **Contract:** CAMP02
Lab Code: ACE **Lb No.:** lb136428 **Lab Sample ID :** Q2542-01L **SDG No.:** Q2543
Matrix (soil/water): Solid **Level (low/med):** LOW
Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Differ-ence	Q	M
Aluminum	7410		8270		12		P
Antimony	2.36	U	11.8	U			P
Arsenic	3.12		2.98	J	4		P
Barium	32.8		37.0		13		P
Beryllium	0.54		0.63	J	17		P
Cadmium	0.068	J	1.41	U	100.0		P
Calcium	944		1080		14		P
Chromium	15.0		17.2		14		P
Cobalt	8.86		8.71		2		P
Copper	25.0		30.1		20		P
Iron	14500		16100		11		P
Lead	21.7		22.3		3		P
Magnesium	2410		2760		14		P
Manganese	354		401		13		P
Nickel	12.0		12.0		1		P
Potassium	353		298	J	16		P
Selenium	0.94	U	4.71	U			P
Silver	0.47	U	2.36	U			P
Sodium	302		298	J	1		P
Thallium	1.88	U	9.42	U			P
Vanadium	31.9		36.3		14		P
Zinc	39.6		42.2		6		P

Metals
-9 -
ICP SERIAL DILUTIONS

SAMPLE NO.

OU4-TS-Grillo-OG-070925L

Lab Name: Alliance **Contract:** CAMP02
Lab Code: ACE **Lb No.:** lb136438 **Lab Sample ID :** Q2558-03L **SDG No.:** Q2543
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	0.035	0.077 U	100.0		CV



METAL PREPARATION & INSTRUMENT DATA

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: CDM Smith

SDG No.: Q2543

Contract: CAMP02

Lab Code: ACE

Instrument ID:

Date:

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Al	Ca	Fe	Mg	Ag
Aluminum	396.100	0.0000000	-0.0002060	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	-0.0000440	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000930	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	-0.0075970	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0007850	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0000920	0.0000000	0.0000380	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	-0.0001440	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	-0.0001490	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0001050	0.0000000	0.0000000

Metals

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ICP INTERELEMEN CORRECTION FACTORS

Client: CDM Smith

SDG No.: Q2543

Contract: CAMP02

Lab Code: ACE

Instrument ID:

Date:

Interement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement Correction Factors For:				
		As	Ba	Be	Cd	Co
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0002870
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0009530
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	-0.0039600
Lead	220.353	0.0000000	0.0003170	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	-0.0003570
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0054900
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: CDM Smith

SDG No.: Q2543

Contract: CAMP02

Lab Code: ACE

Instrument ID:

Date:

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Cr	Cu	K	Mn	Mo
Aluminum	396.100	0.0000000	0.0000000	0.0000590	0.0000000	0.0396900
Antimony	206.833	0.0122000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	-0.0029000	0.0000000	0.0000000	0.0000000	0.0004900
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	-0.0000710	-0.0003400
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000070	0.0002200	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	-0.0007860
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0006510	0.0020500
Iron	240.488	0.0000000	0.0000000	0.0000730	0.0000000	-0.0015250
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0001400	-0.0008600
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0007460	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000120
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0017400	-0.0100400
Vanadium	292.402	-0.0025100	0.0000000	0.0000000	0.0000000	-0.0072000
Zinc	213.800	0.0000000	0.0009010	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMEN CORRECTION FACTORS

Client: CDM Smith

SDG No.: Q2543

Contract: CAMP02

Lab Code: ACE

Instrument ID:

Date:

Interement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement Correction Factors For:				
		Na	Ni	Pb	Sb	Se
Aluminum	396.100	0.0000000	0.0000000	0.0012800	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	-0.0047000	0.0036100	0.0000000	0.0000000
Iron	240.488	0.0000000	-0.0017000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0003330	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0067600	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMEN CORRECTION FACTORS

Client: CDM Smith

SDG No.: Q2543

Contract: CAMP02

Lab Code: ACE

Instrument ID:

Date:

Interement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement Correction Factors For:				
		Sn	Ti	Tl	V	Zn
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	-0.0035600	-0.0007970	0.0000000	-0.0018900	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000630	0.0001280	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0001110	0.0000000
Cobalt	228.616	0.0000000	0.0018800	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0003840	0.0000000	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	-0.0003610	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	-0.0007420	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	-0.0039700	0.0000000	-0.0115600	0.0000000
Vanadium	292.402	0.0000000	0.0005320	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

METAL PREPARATION & ANALYICAL SUMMARY

Metals

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SAMPLE PREPARATION SUMMARY

Client: CDM Smith

SDG No.: Q2543

Contract: CAMP02

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: PB168790							
PB168790BL	PB168790BL	MB	SOLID	07/10/2025	2.00	100.0	100.00
PB168790BS	PB168790BS	LCS	SOLID	07/10/2025	2.00	100.0	100.00
Q2542-01DUP	VNJ-245DUP	DUP	SOLID	07/10/2025	2.30	100.0	95.60
Q2542-01MS	VNJ-245MS	MS	SOLID	07/10/2025	2.17	100.0	95.60
Q2542-01MSD	VNJ-245MSD	MSD	SOLID	07/10/2025	2.34	100.0	95.60
Q2543-01	TP-41	SAM	SOLID	07/10/2025	2.42	100.0	82.00
Q2543-02	TP-49	SAM	SOLID	07/10/2025	2.24	100.0	73.90
Q2543-03	TP-23	SAM	SOLID	07/10/2025	2.36	100.0	85.00
Q2543-04	TP-23-99	SAM	SOLID	07/10/2025	2.29	100.0	85.40

Metals
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SAMPLE PREPARATION SUMMARY

Client: CDM Smith **SDG No.:** Q2543
Contract: CAMP02 **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: PB168821							
PB168821BL	PB168821BL	MB	SOLID	07/10/2025	0.52	35.0	100.00
PB168821BS	PB168821BS	LCS	SOLID	07/10/2025	0.54	35.0	100.00
Q2543-01	TP-41	SAM	SOLID	07/10/2025	0.56	35.0	82.00
Q2543-02	TP-49	SAM	SOLID	07/10/2025	0.56	35.0	73.90
Q2543-03	TP-23	SAM	SOLID	07/10/2025	0.59	35.0	85.00
Q2543-04	TP-23-99	SAM	SOLID	07/10/2025	0.51	35.0	85.40
Q2558-03DUP	OU4-TS-Grillo-OG-070925DUP	DUP	SOLID	07/10/2025	0.57	35.0	78.70
Q2558-03MS	OU4-TS-Grillo-OG-070925MS	MS	SOLID	07/10/2025	0.56	35.0	78.70
Q2558-03MSD	OU4-TS-Grillo-OG-070925MSD	MSD	SOLID	07/10/2025	0.56	35.0	78.70

metals
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ANALYSIS RUN LOG

Client: CDM Smith

Contract: CAMP02

Lab code: ACE

Sdg no.: Q2543

Instrument id number:

Method:

Run number: LB136428

Start date: 07/10/2025

End date: 07/11/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1727	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S1	S1	1	1731	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	1736	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	1740	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	1744	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	1748	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICV01	ICV01	1	1752	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	1801	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	1805	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	1809	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	1814	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	1818	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	1840	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	1844	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	1930	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	1934	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	2022	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	2036	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	2127	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	2131	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	2225	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	2231	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	2327	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	2331	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	0018	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	0022	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV08	CCV08	1	0109	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	0114	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB168790BL	PB168790BL	1	0118	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB168790BS	PB168790BS	1	0122	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2542-01DUP	VNJ-245DUP	1	0138	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2542-01L	VNJ-245L	5	0142	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2542-01MS	VNJ-245MS	1	0147	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2542-01MSD	VNJ-245MSD	1	0151	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2542-01A	VNJ-245A	1	0155	Ba,Sb,Se,V
CCV09	CCV09	1	0158	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	0203	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2543-01	TP-41	1	0207	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2543-02	TP-49	1	0211	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2543-03	TP-23	1	0215	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2543-04	TP-23-99	1	0219	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

metals
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ANALYSIS RUN LOG

Client: CDM Smith

Contract: CAMP02

Lab code: ACE

Sdg no.: Q2543

Instrument id number: _____

Method: _____

Run number: LB136428

Start date: 07/10/2025

End date: 07/11/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
CCV10	CCV10	1	0236	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	0240	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

metals
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ANALYSIS RUN LOG

Client: CDM Smith

Contract: CAMP02

Lab code: ACE

Sdg no.: Q2543

Instrument id number: _____

Method: _____

Run number: LB136438

Start date: 07/11/2025

End date: 07/11/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1356	HG
S0.2	S0.2	1	1358	HG
S2.5	S2.5	1	1400	HG
S5	S5	1	1403	HG
S7.5	S7.5	1	1405	HG
S10	S10	1	1410	HG
ICV25	ICV25	1	1413	HG
ICB25	ICB25	1	1415	HG
CCV82	CCV82	1	1418	HG
CCB82	CCB82	1	1425	HG
CRA	CRA	1	1428	HG
PB168821BL	PB168821BL	1	1435	HG
PB168821BS	PB168821BS	1	1440	HG
Q2543-01	TP-41	1	1449	HG
Q2543-02	TP-49	1	1451	HG
CCV83	CCV83	1	1456	HG
CCB83	CCB83	1	1501	HG
Q2543-03	TP-23	1	1504	HG
Q2543-04	TP-23-99	1	1506	HG
CCV84	CCV84	1	1526	HG
CCB84	CCB84	1	1529	HG
Q2558-03DUP	OU4-TS-Grillo-OG-070925DUP	1	1538	HG
Q2558-03MS	OU4-TS-Grillo-OG-070925MS	1	1541	HG
Q2558-03MSD	OU4-TS-Grillo-OG-070925MSE	1	1543	HG
CCV85	CCV85	1	1602	HG
CCB85	CCB85	1	1604	HG
Q2558-03L	OU4-TS-Grillo-OG-070925L	5	1623	HG
Q2558-03A	OU4-TS-Grillo-OG-070925A	1	1625	HG
CCV86	CCV86	1	1632	HG
CCB86	CCB86	1	1634	HG