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LAB CHRONICLE

OrderID:	Q2529	**OrderDate:**	7/8/2025 3:36:00 PM
Client:	CDM Smith	**Project:**	South River WM Replacement
Contact:	Marcie Ann Encinas	**Location:**	O11,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2529-01	**TP-91**	**SOIL**			**07/03/25**			**07/08/25**
			Mercury	7471B		07/09/25	07/10/25	
			Metals ICP-TAL	6010D		07/09/25	07/10/25	
Q2529-02	**TP-80**	**SOIL**			**07/07/25**			**07/08/25**
			Mercury	7471B		07/09/25	07/10/25	
			Metals ICP-TAL	6010D		07/09/25	07/10/25	
Q2529-03	**TP-79**	**SOIL**			**07/07/25**			**07/08/25**
			Mercury	7471B		07/09/25	07/10/25	
			Metals ICP-TAL	6010D		07/09/25	07/10/25	
Q2529-04	**TP-95**	**SOIL**			**07/07/25**			**07/08/25**
			Mercury	7471B		07/09/25	07/10/25	
			Metals ICP-TAL	6010D		07/09/25	07/10/25	
Q2529-05	**TP-98**	**SOIL**			**07/07/25**			**07/08/25**
			Mercury	7471B		07/09/25	07/10/25	
			Metals ICP-TAL	6010D		07/09/25	07/10/25	
Q2529-06	**TP-102**	**SOIL**			**07/07/25**			**07/08/25**
			Mercury	7471B		07/09/25	07/10/25	
			Metals ICP-TAL	6010D		07/09/25	07/10/25	
Q2529-07	**TP-101**	**SOIL**			**07/07/25**			**07/08/25**
			Mercury	7471B		07/09/25	07/10/25	
			Metals ICP-TAL	6010D		07/09/25	07/10/25	
Q2529-08	**TP-89**	**SOIL**			**07/08/25**			**07/08/25**
			Mercury	7471B		07/09/25	07/10/25	
			Metals ICP-TAL	6010D		07/09/25	07/10/25	
Q2529-09	**TP-33**	**SOIL**			**07/08/25**			**07/08/25**

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LAB CHRONICLE

			Mercury	7471B		07/09/25	07/10/25
			Metals ICP-TAL	6010D		07/09/25	07/10/25
Q2529-10	**TP-30**	**SOIL**			**07/08/25**		**07/08/25**
			Mercury	7471B		07/09/25	07/10/25
			Metals ICP-TAL	6010D		07/09/25	07/10/25

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Hit Summary Sheet
SW-846

SDG No.: Q2529 **Order ID:** Q2529

Client: CDM Smith **Project ID:** South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : TP-91								
Q2529-01	TP-91	SOIL	Aluminum	6380		0.82	4.87	mg/Kg
Q2529-01	TP-91	SOIL	Arsenic	14.1		0.19	0.97	mg/Kg
Q2529-01	TP-91	SOIL	Barium	14.3		0.71	4.87	mg/Kg
Q2529-01	TP-91	SOIL	Beryllium	1.39		0.024	0.29	mg/Kg
Q2529-01	TP-91	SOIL	Chromium	13.0		0.046	0.49	mg/Kg
Q2529-01	TP-91	SOIL	Cobalt	2.63		0.097	1.46	mg/Kg
Q2529-01	TP-91	SOIL	Copper	6.67		0.21	0.97	mg/Kg
Q2529-01	TP-91	SOIL	Iron	38900		3.88	4.87	mg/Kg
Q2529-01	TP-91	SOIL	Lead	11.1		0.13	0.58	mg/Kg
Q2529-01	TP-91	SOIL	Magnesium	329		11.7	97.4	mg/Kg
Q2529-01	TP-91	SOIL	Manganese	24.0		0.14	0.97	mg/Kg
Q2529-01	TP-91	SOIL	Mercury	0.041		0.0080	0.015	mg/Kg
Q2529-01	TP-91	SOIL	Nickel	5.31		0.13	1.95	mg/Kg
Q2529-01	TP-91	SOIL	Potassium	851		27.0	97.4	mg/Kg
Q2529-01	TP-91	SOIL	Silver	0.28	J	0.12	0.49	mg/Kg
Q2529-01	TP-91	SOIL	Sodium	422		17.3	97.4	mg/Kg
Q2529-01	TP-91	SOIL	Thallium	1.56	J	0.22	1.95	mg/Kg
Q2529-01	TP-91	SOIL	Vanadium	36.0		0.24	1.95	mg/Kg
Q2529-01	TP-91	SOIL	Zinc	29.3		0.22	1.95	mg/Kg
Client ID : TP-80								
Q2529-02	TP-80	SOIL	Aluminum	5340		0.77	4.59	mg/Kg
Q2529-02	TP-80	SOIL	Arsenic	5.90		0.18	0.92	mg/Kg
Q2529-02	TP-80	SOIL	Barium	16.7		0.67	4.59	mg/Kg
Q2529-02	TP-80	SOIL	Beryllium	0.60		0.023	0.28	mg/Kg
Q2529-02	TP-80	SOIL	Cadmium	0.14	J	0.022	0.28	mg/Kg
Q2529-02	TP-80	SOIL	Calcium	552		10.2	91.9	mg/Kg
Q2529-02	TP-80	SOIL	Chromium	17.3		0.043	0.46	mg/Kg
Q2529-02	TP-80	SOIL	Cobalt	2.83		0.092	1.38	mg/Kg
Q2529-02	TP-80	SOIL	Copper	7.87		0.20	0.92	mg/Kg
Q2529-02	TP-80	SOIL	Iron	15900		3.67	4.59	mg/Kg
Q2529-02	TP-80	SOIL	Lead	15.1		0.12	0.55	mg/Kg
Q2529-02	TP-80	SOIL	Magnesium	662		11.0	91.9	mg/Kg
Q2529-02	TP-80	SOIL	Manganese	38.8		0.13	0.92	mg/Kg
Q2529-02	TP-80	SOIL	Mercury	0.060		0.0080	0.015	mg/Kg
Q2529-02	TP-80	SOIL	Nickel	5.05		0.12	1.84	mg/Kg
Q2529-02	TP-80	SOIL	Potassium	271		25.5	91.9	mg/Kg
Q2529-02	TP-80	SOIL	Sodium	352		16.4	91.9	mg/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q2529 **Order ID:** Q2529

Client: CDM Smith **Project ID:** South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2529-02	TP-80	SOIL	Thallium	0.23	J	0.21	1.84	mg/Kg
Q2529-02	TP-80	SOIL	Vanadium	25.0		0.23	1.84	mg/Kg
Q2529-02	TP-80	SOIL	Zinc	18.1		0.21	1.84	mg/Kg
Client ID : TP-79								
Q2529-03	TP-79	SOIL	Aluminum	8420		0.81	4.84	mg/Kg
Q2529-03	TP-79	SOIL	Arsenic	7.49		0.18	0.97	mg/Kg
Q2529-03	TP-79	SOIL	Barium	14.5		0.71	4.84	mg/Kg
Q2529-03	TP-79	SOIL	Beryllium	0.81		0.024	0.29	mg/Kg
Q2529-03	TP-79	SOIL	Calcium	48.7	J	10.8	96.8	mg/Kg
Q2529-03	TP-79	SOIL	Chromium	20.2		0.046	0.48	mg/Kg
Q2529-03	TP-79	SOIL	Cobalt	3.56		0.097	1.45	mg/Kg
Q2529-03	TP-79	SOIL	Copper	4.83		0.21	0.97	mg/Kg
Q2529-03	TP-79	SOIL	Iron	22300		3.86	4.84	mg/Kg
Q2529-03	TP-79	SOIL	Lead	7.21		0.13	0.58	mg/Kg
Q2529-03	TP-79	SOIL	Magnesium	397		11.6	96.8	mg/Kg
Q2529-03	TP-79	SOIL	Manganese	43.2		0.14	0.97	mg/Kg
Q2529-03	TP-79	SOIL	Mercury	0.063		0.0090	0.015	mg/Kg
Q2529-03	TP-79	SOIL	Nickel	6.07		0.13	1.94	mg/Kg
Q2529-03	TP-79	SOIL	Potassium	377		26.8	96.8	mg/Kg
Q2529-03	TP-79	SOIL	Silver	0.23	J	0.12	0.48	mg/Kg
Q2529-03	TP-79	SOIL	Sodium	465		17.2	96.8	mg/Kg
Q2529-03	TP-79	SOIL	Vanadium	34.4		0.24	1.94	mg/Kg
Q2529-03	TP-79	SOIL	Zinc	18.7		0.22	1.94	mg/Kg
Client ID : TP-95								
Q2529-04	TP-95	SOIL	Aluminum	10700		0.92	5.46	mg/Kg
Q2529-04	TP-95	SOIL	Arsenic	8.96		0.21	1.09	mg/Kg
Q2529-04	TP-95	SOIL	Barium	133		0.80	5.46	mg/Kg
Q2529-04	TP-95	SOIL	Beryllium	0.80		0.027	0.33	mg/Kg
Q2529-04	TP-95	SOIL	Chromium	12.4		0.051	0.55	mg/Kg
Q2529-04	TP-95	SOIL	Cobalt	4.08		0.11	1.64	mg/Kg
Q2529-04	TP-95	SOIL	Copper	6.77		0.24	1.09	mg/Kg
Q2529-04	TP-95	SOIL	Iron	21300		4.35	5.46	mg/Kg
Q2529-04	TP-95	SOIL	Lead	206		0.14	0.66	mg/Kg
Q2529-04	TP-95	SOIL	Magnesium	955		13.1	109	mg/Kg
Q2529-04	TP-95	SOIL	Manganese	66.4		0.15	1.09	mg/Kg
Q2529-04	TP-95	SOIL	Mercury	0.11		0.0090	0.016	mg/Kg
Q2529-04	TP-95	SOIL	Nickel	7.68		0.14	2.18	mg/Kg
Q2529-04	TP-95	SOIL	Potassium	380		30.2	109	mg/Kg
Q2529-04	TP-95	SOIL	Silver	0.27	J	0.13	0.55	mg/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q2529 **Order ID:** Q2529

Client: CDM Smith **Project ID:** South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2529-04	TP-95	SOIL	Sodium	309		19.4	109	mg/Kg
Q2529-04	TP-95	SOIL	Vanadium	29.3		0.27	2.18	mg/Kg
Q2529-04	TP-95	SOIL	Zinc	53.1		0.25	2.18	mg/Kg
Client ID : TP-98								
Q2529-05	TP-98	SOIL	Aluminum	7580		0.79	4.72	mg/Kg
Q2529-05	TP-98	SOIL	Arsenic	7.69		0.18	0.94	mg/Kg
Q2529-05	TP-98	SOIL	Barium	23.1		0.69	4.72	mg/Kg
Q2529-05	TP-98	SOIL	Beryllium	0.72		0.024	0.28	mg/Kg
Q2529-05	TP-98	SOIL	Cadmium	0.13	J	0.023	0.28	mg/Kg
Q2529-05	TP-98	SOIL	Calcium	47.5	J	10.5	94.3	mg/Kg
Q2529-05	TP-98	SOIL	Chromium	9.49		0.044	0.47	mg/Kg
Q2529-05	TP-98	SOIL	Cobalt	4.26		0.094	1.41	mg/Kg
Q2529-05	TP-98	SOIL	Copper	5.76		0.21	0.94	mg/Kg
Q2529-05	TP-98	SOIL	Iron	16800		3.76	4.72	mg/Kg
Q2529-05	TP-98	SOIL	Lead	11.4		0.12	0.57	mg/Kg
Q2529-05	TP-98	SOIL	Magnesium	647		11.3	94.3	mg/Kg
Q2529-05	TP-98	SOIL	Manganese	89.8		0.13	0.94	mg/Kg
Q2529-05	TP-98	SOIL	Mercury	0.078		0.0080	0.015	mg/Kg
Q2529-05	TP-98	SOIL	Nickel	6.52		0.12	1.89	mg/Kg
Q2529-05	TP-98	SOIL	Potassium	274		26.1	94.3	mg/Kg
Q2529-05	TP-98	SOIL	Sodium	207		16.8	94.3	mg/Kg
Q2529-05	TP-98	SOIL	Vanadium	23.6		0.24	1.89	mg/Kg
Q2529-05	TP-98	SOIL	Zinc	20.9		0.22	1.89	mg/Kg
Client ID : TP-102								
Q2529-06	TP-102	SOIL	Aluminum	2060		0.77	4.57	mg/Kg
Q2529-06	TP-102	SOIL	Arsenic	2.65		0.17	0.91	mg/Kg
Q2529-06	TP-102	SOIL	Barium	8.89		0.67	4.57	mg/Kg
Q2529-06	TP-102	SOIL	Beryllium	0.36		0.023	0.27	mg/Kg
Q2529-06	TP-102	SOIL	Calcium	41.6	J	10.1	91.4	mg/Kg
Q2529-06	TP-102	SOIL	Chromium	3.17		0.043	0.46	mg/Kg
Q2529-06	TP-102	SOIL	Cobalt	1.54		0.091	1.37	mg/Kg
Q2529-06	TP-102	SOIL	Copper	2.26		0.20	0.91	mg/Kg
Q2529-06	TP-102	SOIL	Iron	9030		3.65	4.57	mg/Kg
Q2529-06	TP-102	SOIL	Lead	2.41		0.12	0.55	mg/Kg
Q2529-06	TP-102	SOIL	Magnesium	158		11.0	91.4	mg/Kg
Q2529-06	TP-102	SOIL	Manganese	30.5		0.13	0.91	mg/Kg
Q2529-06	TP-102	SOIL	Nickel	1.60	J	0.12	1.83	mg/Kg
Q2529-06	TP-102	SOIL	Potassium	142		25.3	91.4	mg/Kg
Q2529-06	TP-102	SOIL	Sodium	210		16.3	91.4	mg/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q2529 **Order ID:** Q2529

Client: CDM Smith **Project ID:** South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2529-06	TP-102	SOIL	Vanadium	13.2		0.23	1.83	mg/Kg
Q2529-06	TP-102	SOIL	Zinc	7.14		0.21	1.83	mg/Kg
Client ID : TP-101								
Q2529-07	TP-101	SOIL	Aluminum	13500		0.81	4.83	mg/Kg
Q2529-07	TP-101	SOIL	Arsenic	4.58		0.18	0.97	mg/Kg
Q2529-07	TP-101	SOIL	Barium	74.2		0.71	4.83	mg/Kg
Q2529-07	TP-101	SOIL	Beryllium	1.15		0.024	0.29	mg/Kg
Q2529-07	TP-101	SOIL	Cadmium	0.057	J	0.023	0.29	mg/Kg
Q2529-07	TP-101	SOIL	Chromium	6.21		0.045	0.48	mg/Kg
Q2529-07	TP-101	SOIL	Cobalt	4.62		0.097	1.45	mg/Kg
Q2529-07	TP-101	SOIL	Copper	2.57		0.21	0.97	mg/Kg
Q2529-07	TP-101	SOIL	Iron	18500		3.85	4.83	mg/Kg
Q2529-07	TP-101	SOIL	Lead	4.60		0.13	0.58	mg/Kg
Q2529-07	TP-101	SOIL	Magnesium	184		11.6	96.5	mg/Kg
Q2529-07	TP-101	SOIL	Manganese	42.9		0.14	0.97	mg/Kg
Q2529-07	TP-101	SOIL	Mercury	0.030		0.0080	0.015	mg/Kg
Q2529-07	TP-101	SOIL	Nickel	7.84		0.13	1.93	mg/Kg
Q2529-07	TP-101	SOIL	Potassium	168		26.7	96.5	mg/Kg
Q2529-07	TP-101	SOIL	Silver	0.12	J	0.12	0.48	mg/Kg
Q2529-07	TP-101	SOIL	Sodium	240		17.2	96.5	mg/Kg
Q2529-07	TP-101	SOIL	Vanadium	18.2		0.24	1.93	mg/Kg
Q2529-07	TP-101	SOIL	Zinc	17.8		0.22	1.93	mg/Kg
Client ID : TP-89								
Q2529-08	TP-89	SOIL	Aluminum	8870		0.84	4.98	mg/Kg
Q2529-08	TP-89	SOIL	Arsenic	6.60		0.19	1.00	mg/Kg
Q2529-08	TP-89	SOIL	Barium	14.2		0.73	4.98	mg/Kg
Q2529-08	TP-89	SOIL	Beryllium	0.63		0.025	0.30	mg/Kg
Q2529-08	TP-89	SOIL	Calcium	289		11.0	99.5	mg/Kg
Q2529-08	TP-89	SOIL	Chromium	15.8		0.047	0.50	mg/Kg
Q2529-08	TP-89	SOIL	Cobalt	1.74		0.10	1.49	mg/Kg
Q2529-08	TP-89	SOIL	Copper	3.87		0.22	1.00	mg/Kg
Q2529-08	TP-89	SOIL	Iron	17600		3.97	4.98	mg/Kg
Q2529-08	TP-89	SOIL	Lead	5.91		0.13	0.60	mg/Kg
Q2529-08	TP-89	SOIL	Magnesium	207		11.9	99.5	mg/Kg
Q2529-08	TP-89	SOIL	Manganese	17.4		0.14	1.00	mg/Kg
Q2529-08	TP-89	SOIL	Mercury	0.042		0.0090	0.016	mg/Kg
Q2529-08	TP-89	SOIL	Nickel	3.57		0.13	1.99	mg/Kg
Q2529-08	TP-89	SOIL	Potassium	394		27.6	99.5	mg/Kg
Q2529-08	TP-89	SOIL	Sodium	392		17.7	99.5	mg/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q2529 **Order ID:** Q2529

Client: CDM Smith **Project ID:** South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2529-08	TP-89	SOIL	Vanadium	44.6		0.25	1.99	mg/Kg
Q2529-08	TP-89	SOIL	Zinc	8.81		0.23	1.99	mg/Kg
Client ID : TP-33								
Q2529-09	TP-33	SOIL	Aluminum	9180		0.80	4.78	mg/Kg
Q2529-09	TP-33	SOIL	Arsenic	2.79		0.18	0.96	mg/Kg
Q2529-09	TP-33	SOIL	Barium	34.9		0.70	4.78	mg/Kg
Q2529-09	TP-33	SOIL	Beryllium	0.74		0.024	0.29	mg/Kg
Q2529-09	TP-33	SOIL	Chromium	3.67		0.045	0.48	mg/Kg
Q2529-09	TP-33	SOIL	Cobalt	4.00		0.096	1.44	mg/Kg
Q2529-09	TP-33	SOIL	Copper	2.30		0.21	0.96	mg/Kg
Q2529-09	TP-33	SOIL	Iron	11900		3.82	4.78	mg/Kg
Q2529-09	TP-33	SOIL	Lead	3.50		0.12	0.57	mg/Kg
Q2529-09	TP-33	SOIL	Magnesium	281		11.5	95.7	mg/Kg
Q2529-09	TP-33	SOIL	Manganese	305		0.13	0.96	mg/Kg
Q2529-09	TP-33	SOIL	Mercury	0.011	J	0.0070	0.013	mg/Kg
Q2529-09	TP-33	SOIL	Nickel	5.08		0.12	1.91	mg/Kg
Q2529-09	TP-33	SOIL	Potassium	155		26.5	95.7	mg/Kg
Q2529-09	TP-33	SOIL	Sodium	275		17.0	95.7	mg/Kg
Q2529-09	TP-33	SOIL	Vanadium	16.3		0.24	1.91	mg/Kg
Q2529-09	TP-33	SOIL	Zinc	17.0		0.22	1.91	mg/Kg
Client ID : TP-30								
Q2529-10	TP-30	SOIL	Aluminum	6310		0.86	5.09	mg/Kg
Q2529-10	TP-30	SOIL	Arsenic	4.59		0.19	1.02	mg/Kg
Q2529-10	TP-30	SOIL	Barium	4.62	J	0.74	5.09	mg/Kg
Q2529-10	TP-30	SOIL	Beryllium	0.93		0.025	0.31	mg/Kg
Q2529-10	TP-30	SOIL	Chromium	5.90		0.048	0.51	mg/Kg
Q2529-10	TP-30	SOIL	Cobalt	5.07		0.10	1.53	mg/Kg
Q2529-10	TP-30	SOIL	Copper	2.43		0.22	1.02	mg/Kg
Q2529-10	TP-30	SOIL	Iron	13800		4.06	5.09	mg/Kg
Q2529-10	TP-30	SOIL	Lead	2.66		0.13	0.61	mg/Kg
Q2529-10	TP-30	SOIL	Magnesium	128		12.2	102	mg/Kg
Q2529-10	TP-30	SOIL	Manganese	112		0.14	1.02	mg/Kg
Q2529-10	TP-30	SOIL	Mercury	0.020		0.0080	0.014	mg/Kg
Q2529-10	TP-30	SOIL	Nickel	5.95		0.13	2.04	mg/Kg
Q2529-10	TP-30	SOIL	Potassium	68.5	J	28.2	102	mg/Kg
Q2529-10	TP-30	SOIL	Sodium	154		18.1	102	mg/Kg
Q2529-10	TP-30	SOIL	Vanadium	16.2		0.25	2.04	mg/Kg
Q2529-10	TP-30	SOIL	Zinc	15.6		0.23	2.04	mg/Kg

SAMPLE DATA

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

Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/08/25
Client Sample ID:	TP-91	SDG No.:	Q2529
Lab Sample ID:	Q2529-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	90.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	6380		1	0.82	4.87	mg/Kg	07/09/25 10:35	07/10/25 20:58	6010D	SW3050
7440-36-0	Antimony	0.21	UN	1	0.21	2.43	mg/Kg	07/09/25 10:35	07/10/25 20:58	6010D	SW3050
7440-38-2	Arsenic	14.1		1	0.19	0.97	mg/Kg	07/09/25 10:35	07/10/25 20:58	6010D	SW3050
7440-39-3	Barium	14.3		1	0.71	4.87	mg/Kg	07/09/25 10:35	07/10/25 20:58	6010D	SW3050
7440-41-7	Beryllium	1.39		1	0.024	0.29	mg/Kg	07/09/25 10:35	07/10/25 20:58	6010D	SW3050
7440-43-9	Cadmium	0.023	U	1	0.023	0.29	mg/Kg	07/09/25 10:35	07/10/25 20:58	6010D	SW3050
7440-70-2	Calcium	10.8	UN	1	10.8	97.4	mg/Kg	07/09/25 10:35	07/10/25 20:58	6010D	SW3050
7440-47-3	Chromium	13.0		1	0.046	0.49	mg/Kg	07/09/25 10:35	07/10/25 20:58	6010D	SW3050
7440-48-4	Cobalt	2.63		1	0.097	1.46	mg/Kg	07/09/25 10:35	07/10/25 20:58	6010D	SW3050
7440-50-8	Copper	6.67		1	0.21	0.97	mg/Kg	07/09/25 10:35	07/10/25 20:58	6010D	SW3050
7439-89-6	Iron	38900		1	3.88	4.87	mg/Kg	07/09/25 10:35	07/10/25 20:58	6010D	SW3050
7439-92-1	Lead	11.1		1	0.13	0.58	mg/Kg	07/09/25 10:35	07/10/25 20:58	6010D	SW3050
7439-95-4	Magnesium	329	N	1	11.7	97.4	mg/Kg	07/09/25 10:35	07/10/25 20:58	6010D	SW3050
7439-96-5	Manganese	24.0	N	1	0.14	0.97	mg/Kg	07/09/25 10:35	07/10/25 20:58	6010D	SW3050
7439-97-6	Mercury	0.041		1	0.0080	0.015	mg/Kg	07/09/25 14:40	07/10/25 10:08	7471B	
7440-02-0	Nickel	5.31		1	0.13	1.95	mg/Kg	07/09/25 10:35	07/10/25 20:58	6010D	SW3050
7440-09-7	Potassium	851		1	27.0	97.4	mg/Kg	07/09/25 10:35	07/10/25 20:58	6010D	SW3050
7782-49-2	Selenium	0.25	U	1	0.25	0.97	mg/Kg	07/09/25 10:35	07/10/25 20:58	6010D	SW3050
7440-22-4	Silver	0.28	J	1	0.12	0.49	mg/Kg	07/09/25 10:35	07/10/25 20:58	6010D	SW3050
7440-23-5	Sodium	422	N	1	17.3	97.4	mg/Kg	07/09/25 10:35	07/10/25 20:58	6010D	SW3050
7440-28-0	Thallium	1.56	J	1	0.22	1.95	mg/Kg	07/09/25 10:35	07/10/25 20:58	6010D	SW3050
7440-62-2	Vanadium	36.0		1	0.24	1.95	mg/Kg	07/09/25 10:35	07/10/25 20:58	6010D	SW3050
7440-66-6	Zinc	29.3		1	0.22	1.95	mg/Kg	07/09/25 10:35	07/10/25 20:58	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

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

Report of Analysis

Client:	CDM Smith	Date Collected:	07/07/25
Project:	South River WM Replacement	Date Received:	07/08/25
Client Sample ID:	TP-80	SDG No.:	Q2529
Lab Sample ID:	Q2529-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	90.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	5340		1	0.77	4.59	mg/Kg	07/09/25 10:35	07/10/25 21:03	6010D	SW3050
7440-36-0	Antimony	0.20	UN	1	0.20	2.30	mg/Kg	07/09/25 10:35	07/10/25 21:03	6010D	SW3050
7440-38-2	Arsenic	5.90		1	0.18	0.92	mg/Kg	07/09/25 10:35	07/10/25 21:03	6010D	SW3050
7440-39-3	Barium	16.7		1	0.67	4.59	mg/Kg	07/09/25 10:35	07/10/25 21:03	6010D	SW3050
7440-41-7	Beryllium	0.60		1	0.023	0.28	mg/Kg	07/09/25 10:35	07/10/25 21:03	6010D	SW3050
7440-43-9	Cadmium	0.14	J	1	0.022	0.28	mg/Kg	07/09/25 10:35	07/10/25 21:03	6010D	SW3050
7440-70-2	Calcium	552	N	1	10.2	91.9	mg/Kg	07/09/25 10:35	07/10/25 21:03	6010D	SW3050
7440-47-3	Chromium	17.3		1	0.043	0.46	mg/Kg	07/09/25 10:35	07/10/25 21:03	6010D	SW3050
7440-48-4	Cobalt	2.83		1	0.092	1.38	mg/Kg	07/09/25 10:35	07/10/25 21:03	6010D	SW3050
7440-50-8	Copper	7.87		1	0.20	0.92	mg/Kg	07/09/25 10:35	07/10/25 21:03	6010D	SW3050
7439-89-6	Iron	15900		1	3.67	4.59	mg/Kg	07/09/25 10:35	07/10/25 21:03	6010D	SW3050
7439-92-1	Lead	15.1		1	0.12	0.55	mg/Kg	07/09/25 10:35	07/10/25 21:03	6010D	SW3050
7439-95-4	Magnesium	662	N	1	11.0	91.9	mg/Kg	07/09/25 10:35	07/10/25 21:03	6010D	SW3050
7439-96-5	Manganese	38.8	N	1	0.13	0.92	mg/Kg	07/09/25 10:35	07/10/25 21:03	6010D	SW3050
7439-97-6	Mercury	0.060		1	0.0080	0.015	mg/Kg	07/09/25 14:40	07/10/25 10:10	7471B	
7440-02-0	Nickel	5.05		1	0.12	1.84	mg/Kg	07/09/25 10:35	07/10/25 21:03	6010D	SW3050
7440-09-7	Potassium	271		1	25.5	91.9	mg/Kg	07/09/25 10:35	07/10/25 21:03	6010D	SW3050
7782-49-2	Selenium	0.24	U	1	0.24	0.92	mg/Kg	07/09/25 10:35	07/10/25 21:03	6010D	SW3050
7440-22-4	Silver	0.11	U	1	0.11	0.46	mg/Kg	07/09/25 10:35	07/10/25 21:03	6010D	SW3050
7440-23-5	Sodium	352	N	1	16.4	91.9	mg/Kg	07/09/25 10:35	07/10/25 21:03	6010D	SW3050
7440-28-0	Thallium	0.23	J	1	0.21	1.84	mg/Kg	07/09/25 10:35	07/10/25 21:03	6010D	SW3050
7440-62-2	Vanadium	25.0		1	0.23	1.84	mg/Kg	07/09/25 10:35	07/10/25 21:03	6010D	SW3050
7440-66-6	Zinc	18.1		1	0.21	1.84	mg/Kg	07/09/25 10:35	07/10/25 21:03	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

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	CDM Smith	Date Collected:	07/07/25
Project:	South River WM Replacement	Date Received:	07/08/25
Client Sample ID:	TP-79	SDG No.:	Q2529
Lab Sample ID:	Q2529-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	90.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	8420		1	0.81	4.84	mg/Kg	07/09/25 10:35	07/10/25 21:07	6010D	SW3050
7440-36-0	Antimony	0.21	UN	1	0.21	2.42	mg/Kg	07/09/25 10:35	07/10/25 21:07	6010D	SW3050
7440-38-2	Arsenic	7.49		1	0.18	0.97	mg/Kg	07/09/25 10:35	07/10/25 21:07	6010D	SW3050
7440-39-3	Barium	14.5		1	0.71	4.84	mg/Kg	07/09/25 10:35	07/10/25 21:07	6010D	SW3050
7440-41-7	Beryllium	0.81		1	0.024	0.29	mg/Kg	07/09/25 10:35	07/10/25 21:07	6010D	SW3050
7440-43-9	Cadmium	0.023	U	1	0.023	0.29	mg/Kg	07/09/25 10:35	07/10/25 21:07	6010D	SW3050
7440-70-2	Calcium	48.7	JN	1	10.8	96.8	mg/Kg	07/09/25 10:35	07/10/25 21:07	6010D	SW3050
7440-47-3	Chromium	20.2		1	0.046	0.48	mg/Kg	07/09/25 10:35	07/10/25 21:07	6010D	SW3050
7440-48-4	Cobalt	3.56		1	0.097	1.45	mg/Kg	07/09/25 10:35	07/10/25 21:07	6010D	SW3050
7440-50-8	Copper	4.83		1	0.21	0.97	mg/Kg	07/09/25 10:35	07/10/25 21:07	6010D	SW3050
7439-89-6	Iron	22300		1	3.86	4.84	mg/Kg	07/09/25 10:35	07/10/25 21:07	6010D	SW3050
7439-92-1	Lead	7.21		1	0.13	0.58	mg/Kg	07/09/25 10:35	07/10/25 21:07	6010D	SW3050
7439-95-4	Magnesium	397	N	1	11.6	96.8	mg/Kg	07/09/25 10:35	07/10/25 21:07	6010D	SW3050
7439-96-5	Manganese	43.2	N	1	0.14	0.97	mg/Kg	07/09/25 10:35	07/10/25 21:07	6010D	SW3050
7439-97-6	Mercury	0.063		1	0.0090	0.015	mg/Kg	07/09/25 14:40	07/10/25 10:13	7471B	
7440-02-0	Nickel	6.07		1	0.13	1.94	mg/Kg	07/09/25 10:35	07/10/25 21:07	6010D	SW3050
7440-09-7	Potassium	377		1	26.8	96.8	mg/Kg	07/09/25 10:35	07/10/25 21:07	6010D	SW3050
7782-49-2	Selenium	0.25	U	1	0.25	0.97	mg/Kg	07/09/25 10:35	07/10/25 21:07	6010D	SW3050
7440-22-4	Silver	0.23	J	1	0.12	0.48	mg/Kg	07/09/25 10:35	07/10/25 21:07	6010D	SW3050
7440-23-5	Sodium	465	N	1	17.2	96.8	mg/Kg	07/09/25 10:35	07/10/25 21:07	6010D	SW3050
7440-28-0	Thallium	0.22	U	1	0.22	1.94	mg/Kg	07/09/25 10:35	07/10/25 21:07	6010D	SW3050
7440-62-2	Vanadium	34.4		1	0.24	1.94	mg/Kg	07/09/25 10:35	07/10/25 21:07	6010D	SW3050
7440-66-6	Zinc	18.7		1	0.22	1.94	mg/Kg	07/09/25 10:35	07/10/25 21:07	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
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Report of Analysis

Client:	CDM Smith	Date Collected:	07/07/25
Project:	South River WM Replacement	Date Received:	07/08/25
Client Sample ID:	TP-95	SDG No.:	Q2529
Lab Sample ID:	Q2529-04	Matrix:	SOIL
Level (low/med):	low	% Solid:	83.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	10700		1	0.92	5.46	mg/Kg	07/09/25 10:35	07/10/25 21:11	6010D	SW3050
7440-36-0	Antimony	0.24	UN	1	0.24	2.73	mg/Kg	07/09/25 10:35	07/10/25 21:11	6010D	SW3050
7440-38-2	Arsenic	8.96		1	0.21	1.09	mg/Kg	07/09/25 10:35	07/10/25 21:11	6010D	SW3050
7440-39-3	Barium	133		1	0.80	5.46	mg/Kg	07/09/25 10:35	07/10/25 21:11	6010D	SW3050
7440-41-7	Beryllium	0.80		1	0.027	0.33	mg/Kg	07/09/25 10:35	07/10/25 21:11	6010D	SW3050
7440-43-9	Cadmium	0.026	U	1	0.026	0.33	mg/Kg	07/09/25 10:35	07/10/25 21:11	6010D	SW3050
7440-70-2	Calcium	12.1	UN	1	12.1	109	mg/Kg	07/09/25 10:35	07/10/25 21:11	6010D	SW3050
7440-47-3	Chromium	12.4		1	0.051	0.55	mg/Kg	07/09/25 10:35	07/10/25 21:11	6010D	SW3050
7440-48-4	Cobalt	4.08		1	0.11	1.64	mg/Kg	07/09/25 10:35	07/10/25 21:11	6010D	SW3050
7440-50-8	Copper	6.77		1	0.24	1.09	mg/Kg	07/09/25 10:35	07/10/25 21:11	6010D	SW3050
7439-89-6	Iron	21300		1	4.35	5.46	mg/Kg	07/09/25 10:35	07/10/25 21:11	6010D	SW3050
7439-92-1	Lead	206		1	0.14	0.66	mg/Kg	07/09/25 10:35	07/10/25 21:11	6010D	SW3050
7439-95-4	Magnesium	955	N	1	13.1	109	mg/Kg	07/09/25 10:35	07/10/25 21:11	6010D	SW3050
7439-96-5	Manganese	66.4	N	1	0.15	1.09	mg/Kg	07/09/25 10:35	07/10/25 21:11	6010D	SW3050
7439-97-6	Mercury	0.11		1	0.0090	0.016	mg/Kg	07/09/25 14:40	07/10/25 10:15	7471B	
7440-02-0	Nickel	7.68		1	0.14	2.18	mg/Kg	07/09/25 10:35	07/10/25 21:11	6010D	SW3050
7440-09-7	Potassium	380		1	30.2	109	mg/Kg	07/09/25 10:35	07/10/25 21:11	6010D	SW3050
7782-49-2	Selenium	0.28	U	1	0.28	1.09	mg/Kg	07/09/25 10:35	07/10/25 21:11	6010D	SW3050
7440-22-4	Silver	0.27	J	1	0.13	0.55	mg/Kg	07/09/25 10:35	07/10/25 21:11	6010D	SW3050
7440-23-5	Sodium	309	N	1	19.4	109	mg/Kg	07/09/25 10:35	07/10/25 21:11	6010D	SW3050
7440-28-0	Thallium	0.25	U	1	0.25	2.18	mg/Kg	07/09/25 10:35	07/10/25 21:11	6010D	SW3050
7440-62-2	Vanadium	29.3		1	0.27	2.18	mg/Kg	07/09/25 10:35	07/10/25 21:11	6010D	SW3050
7440-66-6	Zinc	53.1		1	0.25	2.18	mg/Kg	07/09/25 10:35	07/10/25 21:11	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
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Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
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OR = Over Range
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Report of Analysis

Client:	CDM Smith	Date Collected:	07/07/25
Project:	South River WM Replacement	Date Received:	07/08/25
Client Sample ID:	TP-98	SDG No.:	Q2529
Lab Sample ID:	Q2529-05	Matrix:	SOIL
Level (low/med):	low	% Solid:	86.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	7580		1	0.79	4.72	mg/Kg	07/09/25 10:35	07/10/25 21:15	6010D	SW3050
7440-36-0	Antimony	0.21	UN	1	0.21	2.36	mg/Kg	07/09/25 10:35	07/10/25 21:15	6010D	SW3050
7440-38-2	Arsenic	7.69		1	0.18	0.94	mg/Kg	07/09/25 10:35	07/10/25 21:15	6010D	SW3050
7440-39-3	Barium	23.1		1	0.69	4.72	mg/Kg	07/09/25 10:35	07/10/25 21:15	6010D	SW3050
7440-41-7	Beryllium	0.72		1	0.024	0.28	mg/Kg	07/09/25 10:35	07/10/25 21:15	6010D	SW3050
7440-43-9	Cadmium	0.13	J	1	0.023	0.28	mg/Kg	07/09/25 10:35	07/10/25 21:15	6010D	SW3050
7440-70-2	Calcium	47.5	JN	1	10.5	94.3	mg/Kg	07/09/25 10:35	07/10/25 21:15	6010D	SW3050
7440-47-3	Chromium	9.49		1	0.044	0.47	mg/Kg	07/09/25 10:35	07/10/25 21:15	6010D	SW3050
7440-48-4	Cobalt	4.26		1	0.094	1.41	mg/Kg	07/09/25 10:35	07/10/25 21:15	6010D	SW3050
7440-50-8	Copper	5.76		1	0.21	0.94	mg/Kg	07/09/25 10:35	07/10/25 21:15	6010D	SW3050
7439-89-6	Iron	16800		1	3.76	4.72	mg/Kg	07/09/25 10:35	07/10/25 21:15	6010D	SW3050
7439-92-1	Lead	11.4		1	0.12	0.57	mg/Kg	07/09/25 10:35	07/10/25 21:15	6010D	SW3050
7439-95-4	Magnesium	647	N	1	11.3	94.3	mg/Kg	07/09/25 10:35	07/10/25 21:15	6010D	SW3050
7439-96-5	Manganese	89.8	N	1	0.13	0.94	mg/Kg	07/09/25 10:35	07/10/25 21:15	6010D	SW3050
7439-97-6	Mercury	0.078		1	0.0080	0.015	mg/Kg	07/09/25 14:40	07/10/25 10:17	7471B	
7440-02-0	Nickel	6.52		1	0.12	1.89	mg/Kg	07/09/25 10:35	07/10/25 21:15	6010D	SW3050
7440-09-7	Potassium	274		1	26.1	94.3	mg/Kg	07/09/25 10:35	07/10/25 21:15	6010D	SW3050
7782-49-2	Selenium	0.25	U	1	0.25	0.94	mg/Kg	07/09/25 10:35	07/10/25 21:15	6010D	SW3050
7440-22-4	Silver	0.11	U	1	0.11	0.47	mg/Kg	07/09/25 10:35	07/10/25 21:15	6010D	SW3050
7440-23-5	Sodium	207	N	1	16.8	94.3	mg/Kg	07/09/25 10:35	07/10/25 21:15	6010D	SW3050
7440-28-0	Thallium	0.22	U	1	0.22	1.89	mg/Kg	07/09/25 10:35	07/10/25 21:15	6010D	SW3050
7440-62-2	Vanadium	23.6		1	0.24	1.89	mg/Kg	07/09/25 10:35	07/10/25 21:15	6010D	SW3050
7440-66-6	Zinc	20.9		1	0.22	1.89	mg/Kg	07/09/25 10:35	07/10/25 21:15	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
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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

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

Report of Analysis

Client:	CDM Smith	Date Collected:	07/07/25
Project:	South River WM Replacement	Date Received:	07/08/25
Client Sample ID:	TP-102	SDG No.:	Q2529
Lab Sample ID:	Q2529-06	Matrix:	SOIL
Level (low/med):	low	% Solid:	95.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	2060		1	0.77	4.57	mg/Kg	07/09/25 10:35	07/10/25 21:19	6010D	SW3050
7440-36-0	Antimony	0.20	UN	1	0.20	2.28	mg/Kg	07/09/25 10:35	07/10/25 21:19	6010D	SW3050
7440-38-2	Arsenic	2.65		1	0.17	0.91	mg/Kg	07/09/25 10:35	07/10/25 21:19	6010D	SW3050
7440-39-3	Barium	8.89		1	0.67	4.57	mg/Kg	07/09/25 10:35	07/10/25 21:19	6010D	SW3050
7440-41-7	Beryllium	0.36		1	0.023	0.27	mg/Kg	07/09/25 10:35	07/10/25 21:19	6010D	SW3050
7440-43-9	Cadmium	0.022	U	1	0.022	0.27	mg/Kg	07/09/25 10:35	07/10/25 21:19	6010D	SW3050
7440-70-2	Calcium	41.6	JN	1	10.1	91.4	mg/Kg	07/09/25 10:35	07/10/25 21:19	6010D	SW3050
7440-47-3	Chromium	3.17		1	0.043	0.46	mg/Kg	07/09/25 10:35	07/10/25 21:19	6010D	SW3050
7440-48-4	Cobalt	1.54		1	0.091	1.37	mg/Kg	07/09/25 10:35	07/10/25 21:19	6010D	SW3050
7440-50-8	Copper	2.26		1	0.20	0.91	mg/Kg	07/09/25 10:35	07/10/25 21:19	6010D	SW3050
7439-89-6	Iron	9030		1	3.65	4.57	mg/Kg	07/09/25 10:35	07/10/25 21:19	6010D	SW3050
7439-92-1	Lead	2.41		1	0.12	0.55	mg/Kg	07/09/25 10:35	07/10/25 21:19	6010D	SW3050
7439-95-4	Magnesium	158	N	1	11.0	91.4	mg/Kg	07/09/25 10:35	07/10/25 21:19	6010D	SW3050
7439-96-5	Manganese	30.5	N	1	0.13	0.91	mg/Kg	07/09/25 10:35	07/10/25 21:19	6010D	SW3050
7439-97-6	Mercury	0.0070	U	1	0.0070	0.013	mg/Kg	07/09/25 14:40	07/10/25 10:20	7471B	
7440-02-0	Nickel	1.60	J	1	0.12	1.83	mg/Kg	07/09/25 10:35	07/10/25 21:19	6010D	SW3050
7440-09-7	Potassium	142		1	25.3	91.4	mg/Kg	07/09/25 10:35	07/10/25 21:19	6010D	SW3050
7782-49-2	Selenium	0.24	U	1	0.24	0.91	mg/Kg	07/09/25 10:35	07/10/25 21:19	6010D	SW3050
7440-22-4	Silver	0.11	U	1	0.11	0.46	mg/Kg	07/09/25 10:35	07/10/25 21:19	6010D	SW3050
7440-23-5	Sodium	210	N	1	16.3	91.4	mg/Kg	07/09/25 10:35	07/10/25 21:19	6010D	SW3050
7440-28-0	Thallium	0.21	U	1	0.21	1.83	mg/Kg	07/09/25 10:35	07/10/25 21:19	6010D	SW3050
7440-62-2	Vanadium	13.2		1	0.23	1.83	mg/Kg	07/09/25 10:35	07/10/25 21:19	6010D	SW3050
7440-66-6	Zinc	7.14		1	0.21	1.83	mg/Kg	07/09/25 10:35	07/10/25 21:19	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
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E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
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Alliance TECHNICAL GROUP
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Report of Analysis

Client:	CDM Smith	Date Collected:	07/07/25
Project:	South River WM Replacement	Date Received:	07/08/25
Client Sample ID:	TP-101	SDG No.:	Q2529
Lab Sample ID:	Q2529-07	Matrix:	SOIL
Level (low/med):	low	% Solid:	89.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	13500		1	0.81	4.83	mg/Kg	07/09/25 10:35	07/10/25 21:56	6010D	SW3050
7440-36-0	Antimony	0.21	UN	1	0.21	2.41	mg/Kg	07/09/25 10:35	07/10/25 21:56	6010D	SW3050
7440-38-2	Arsenic	4.58		1	0.18	0.97	mg/Kg	07/09/25 10:35	07/10/25 21:56	6010D	SW3050
7440-39-3	Barium	74.2		1	0.71	4.83	mg/Kg	07/09/25 10:35	07/10/25 21:56	6010D	SW3050
7440-41-7	Beryllium	1.15		1	0.024	0.29	mg/Kg	07/09/25 10:35	07/10/25 21:56	6010D	SW3050
7440-43-9	Cadmium	0.057	J	1	0.023	0.29	mg/Kg	07/09/25 10:35	07/10/25 21:56	6010D	SW3050
7440-70-2	Calcium	10.7	UN	1	10.7	96.5	mg/Kg	07/09/25 10:35	07/10/25 21:56	6010D	SW3050
7440-47-3	Chromium	6.21		1	0.045	0.48	mg/Kg	07/09/25 10:35	07/10/25 21:56	6010D	SW3050
7440-48-4	Cobalt	4.62		1	0.097	1.45	mg/Kg	07/09/25 10:35	07/10/25 21:56	6010D	SW3050
7440-50-8	Copper	2.57		1	0.21	0.97	mg/Kg	07/09/25 10:35	07/10/25 21:56	6010D	SW3050
7439-89-6	Iron	18500		1	3.85	4.83	mg/Kg	07/09/25 10:35	07/10/25 21:56	6010D	SW3050
7439-92-1	Lead	4.60		1	0.13	0.58	mg/Kg	07/09/25 10:35	07/10/25 21:56	6010D	SW3050
7439-95-4	Magnesium	184	N	1	11.6	96.5	mg/Kg	07/09/25 10:35	07/10/25 21:56	6010D	SW3050
7439-96-5	Manganese	42.9	N	1	0.14	0.97	mg/Kg	07/09/25 10:35	07/10/25 21:56	6010D	SW3050
7439-97-6	Mercury	0.030		1	0.0080	0.015	mg/Kg	07/09/25 14:40	07/10/25 10:22	7471B	
7440-02-0	Nickel	7.84		1	0.13	1.93	mg/Kg	07/09/25 10:35	07/10/25 21:56	6010D	SW3050
7440-09-7	Potassium	168		1	26.7	96.5	mg/Kg	07/09/25 10:35	07/10/25 21:56	6010D	SW3050
7782-49-2	Selenium	0.25	U	1	0.25	0.97	mg/Kg	07/09/25 10:35	07/10/25 21:56	6010D	SW3050
7440-22-4	Silver	0.12	J	1	0.12	0.48	mg/Kg	07/09/25 10:35	07/10/25 21:56	6010D	SW3050
7440-23-5	Sodium	240	N	1	17.2	96.5	mg/Kg	07/09/25 10:35	07/10/25 21:56	6010D	SW3050
7440-28-0	Thallium	0.22	U	1	0.22	1.93	mg/Kg	07/09/25 10:35	07/10/25 21:56	6010D	SW3050
7440-62-2	Vanadium	18.2		1	0.24	1.93	mg/Kg	07/09/25 10:35	07/10/25 21:56	6010D	SW3050
7440-66-6	Zinc	17.8		1	0.22	1.93	mg/Kg	07/09/25 10:35	07/10/25 21:56	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
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Alliance TECHNICAL GROUP
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Report of Analysis

Client:	CDM Smith	Date Collected:	07/08/25
Project:	South River WM Replacement	Date Received:	07/08/25
Client Sample ID:	TP-89	SDG No.:	Q2529
Lab Sample ID:	Q2529-08	Matrix:	SOIL
Level (low/med):	low	% Solid:	90.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	8870		1	0.84	4.98	mg/Kg	07/09/25 10:35	07/10/25 22:00	6010D	SW3050
7440-36-0	Antimony	0.22	UN	1	0.22	2.49	mg/Kg	07/09/25 10:35	07/10/25 22:00	6010D	SW3050
7440-38-2	Arsenic	6.60		1	0.19	1.00	mg/Kg	07/09/25 10:35	07/10/25 22:00	6010D	SW3050
7440-39-3	Barium	14.2		1	0.73	4.98	mg/Kg	07/09/25 10:35	07/10/25 22:00	6010D	SW3050
7440-41-7	Beryllium	0.63		1	0.025	0.30	mg/Kg	07/09/25 10:35	07/10/25 22:00	6010D	SW3050
7440-43-9	Cadmium	0.024	U	1	0.024	0.30	mg/Kg	07/09/25 10:35	07/10/25 22:00	6010D	SW3050
7440-70-2	Calcium	289	N	1	11.0	99.5	mg/Kg	07/09/25 10:35	07/10/25 22:00	6010D	SW3050
7440-47-3	Chromium	15.8		1	0.047	0.50	mg/Kg	07/09/25 10:35	07/10/25 22:00	6010D	SW3050
7440-48-4	Cobalt	1.74		1	0.10	1.49	mg/Kg	07/09/25 10:35	07/10/25 22:00	6010D	SW3050
7440-50-8	Copper	3.87		1	0.22	1.00	mg/Kg	07/09/25 10:35	07/10/25 22:00	6010D	SW3050
7439-89-6	Iron	17600		1	3.97	4.98	mg/Kg	07/09/25 10:35	07/10/25 22:00	6010D	SW3050
7439-92-1	Lead	5.91		1	0.13	0.60	mg/Kg	07/09/25 10:35	07/10/25 22:00	6010D	SW3050
7439-95-4	Magnesium	207	N	1	11.9	99.5	mg/Kg	07/09/25 10:35	07/10/25 22:00	6010D	SW3050
7439-96-5	Manganese	17.4	N	1	0.14	1.00	mg/Kg	07/09/25 10:35	07/10/25 22:00	6010D	SW3050
7439-97-6	Mercury	0.042		1	0.0090	0.016	mg/Kg	07/09/25 14:40	07/10/25 10:24	7471B	
7440-02-0	Nickel	3.57		1	0.13	1.99	mg/Kg	07/09/25 10:35	07/10/25 22:00	6010D	SW3050
7440-09-7	Potassium	394		1	27.6	99.5	mg/Kg	07/09/25 10:35	07/10/25 22:00	6010D	SW3050
7782-49-2	Selenium	0.26	U	1	0.26	1.00	mg/Kg	07/09/25 10:35	07/10/25 22:00	6010D	SW3050
7440-22-4	Silver	0.12	U	1	0.12	0.50	mg/Kg	07/09/25 10:35	07/10/25 22:00	6010D	SW3050
7440-23-5	Sodium	392	N	1	17.7	99.5	mg/Kg	07/09/25 10:35	07/10/25 22:00	6010D	SW3050
7440-28-0	Thallium	0.23	U	1	0.23	1.99	mg/Kg	07/09/25 10:35	07/10/25 22:00	6010D	SW3050
7440-62-2	Vanadium	44.6		1	0.25	1.99	mg/Kg	07/09/25 10:35	07/10/25 22:00	6010D	SW3050
7440-66-6	Zinc	8.81		1	0.23	1.99	mg/Kg	07/09/25 10:35	07/10/25 22:00	6010D	SW3050

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

U = Not Detected
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Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	CDM Smith	Date Collected:	07/08/25
Project:	South River WM Replacement	Date Received:	07/08/25
Client Sample ID:	TP-33	SDG No.:	Q2529
Lab Sample ID:	Q2529-09	Matrix:	SOIL
Level (low/med):	low	% Solid:	90.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	9180		1	0.80	4.78	mg/Kg	07/09/25 10:35	07/10/25 22:04	6010D	SW3050
7440-36-0	Antimony	0.21	UN	1	0.21	2.39	mg/Kg	07/09/25 10:35	07/10/25 22:04	6010D	SW3050
7440-38-2	Arsenic	2.79		1	0.18	0.96	mg/Kg	07/09/25 10:35	07/10/25 22:04	6010D	SW3050
7440-39-3	Barium	34.9		1	0.70	4.78	mg/Kg	07/09/25 10:35	07/10/25 22:04	6010D	SW3050
7440-41-7	Beryllium	0.74		1	0.024	0.29	mg/Kg	07/09/25 10:35	07/10/25 22:04	6010D	SW3050
7440-43-9	Cadmium	0.023	U	1	0.023	0.29	mg/Kg	07/09/25 10:35	07/10/25 22:04	6010D	SW3050
7440-70-2	Calcium	10.6	UN	1	10.6	95.7	mg/Kg	07/09/25 10:35	07/10/25 22:04	6010D	SW3050
7440-47-3	Chromium	3.67		1	0.045	0.48	mg/Kg	07/09/25 10:35	07/10/25 22:04	6010D	SW3050
7440-48-4	Cobalt	4.00		1	0.096	1.44	mg/Kg	07/09/25 10:35	07/10/25 22:04	6010D	SW3050
7440-50-8	Copper	2.30		1	0.21	0.96	mg/Kg	07/09/25 10:35	07/10/25 22:04	6010D	SW3050
7439-89-6	Iron	11900		1	3.82	4.78	mg/Kg	07/09/25 10:35	07/10/25 22:04	6010D	SW3050
7439-92-1	Lead	3.50		1	0.12	0.57	mg/Kg	07/09/25 10:35	07/10/25 22:04	6010D	SW3050
7439-95-4	Magnesium	281	N	1	11.5	95.7	mg/Kg	07/09/25 10:35	07/10/25 22:04	6010D	SW3050
7439-96-5	Manganese	305	N	1	0.13	0.96	mg/Kg	07/09/25 10:35	07/10/25 22:04	6010D	SW3050
7439-97-6	Mercury	0.011	J	1	0.0070	0.013	mg/Kg	07/09/25 14:40	07/10/25 10:26	7471B	
7440-02-0	Nickel	5.08		1	0.12	1.91	mg/Kg	07/09/25 10:35	07/10/25 22:04	6010D	SW3050
7440-09-7	Potassium	155		1	26.5	95.7	mg/Kg	07/09/25 10:35	07/10/25 22:04	6010D	SW3050
7782-49-2	Selenium	0.25	U	1	0.25	0.96	mg/Kg	07/09/25 10:35	07/10/25 22:04	6010D	SW3050
7440-22-4	Silver	0.12	U	1	0.12	0.48	mg/Kg	07/09/25 10:35	07/10/25 22:04	6010D	SW3050
7440-23-5	Sodium	275	N	1	17.0	95.7	mg/Kg	07/09/25 10:35	07/10/25 22:04	6010D	SW3050
7440-28-0	Thallium	0.22	U	1	0.22	1.91	mg/Kg	07/09/25 10:35	07/10/25 22:04	6010D	SW3050
7440-62-2	Vanadium	16.3		1	0.24	1.91	mg/Kg	07/09/25 10:35	07/10/25 22:04	6010D	SW3050
7440-66-6	Zinc	17.0		1	0.22	1.91	mg/Kg	07/09/25 10:35	07/10/25 22:04	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
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Report of Analysis

Client:	CDM Smith	Date Collected:	07/08/25
Project:	South River WM Replacement	Date Received:	07/08/25
Client Sample ID:	TP-30	SDG No.:	Q2529
Lab Sample ID:	Q2529-10	Matrix:	SOIL
Level (low/med):	low	% Solid:	91.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	6310		1	0.86	5.09	mg/Kg	07/09/25 10:35	07/10/25 22:09	6010D	SW3050
7440-36-0	Antimony	0.22	UN	1	0.22	2.54	mg/Kg	07/09/25 10:35	07/10/25 22:09	6010D	SW3050
7440-38-2	Arsenic	4.59		1	0.19	1.02	mg/Kg	07/09/25 10:35	07/10/25 22:09	6010D	SW3050
7440-39-3	Barium	4.62	J	1	0.74	5.09	mg/Kg	07/09/25 10:35	07/10/25 22:09	6010D	SW3050
7440-41-7	Beryllium	0.93		1	0.025	0.31	mg/Kg	07/09/25 10:35	07/10/25 22:09	6010D	SW3050
7440-43-9	Cadmium	0.024	U	1	0.024	0.31	mg/Kg	07/09/25 10:35	07/10/25 22:09	6010D	SW3050
7440-70-2	Calcium	11.3	UN	1	11.3	102	mg/Kg	07/09/25 10:35	07/10/25 22:09	6010D	SW3050
7440-47-3	Chromium	5.90		1	0.048	0.51	mg/Kg	07/09/25 10:35	07/10/25 22:09	6010D	SW3050
7440-48-4	Cobalt	5.07		1	0.10	1.53	mg/Kg	07/09/25 10:35	07/10/25 22:09	6010D	SW3050
7440-50-8	Copper	2.43		1	0.22	1.02	mg/Kg	07/09/25 10:35	07/10/25 22:09	6010D	SW3050
7439-89-6	Iron	13800		1	4.06	5.09	mg/Kg	07/09/25 10:35	07/10/25 22:09	6010D	SW3050
7439-92-1	Lead	2.66		1	0.13	0.61	mg/Kg	07/09/25 10:35	07/10/25 22:09	6010D	SW3050
7439-95-4	Magnesium	128	N	1	12.2	102	mg/Kg	07/09/25 10:35	07/10/25 22:09	6010D	SW3050
7439-96-5	Manganese	112	N	1	0.14	1.02	mg/Kg	07/09/25 10:35	07/10/25 22:09	6010D	SW3050
7439-97-6	Mercury	0.020		1	0.0080	0.014	mg/Kg	07/09/25 14:40	07/10/25 10:33	7471B	
7440-02-0	Nickel	5.95		1	0.13	2.04	mg/Kg	07/09/25 10:35	07/10/25 22:09	6010D	SW3050
7440-09-7	Potassium	68.5	J	1	28.2	102	mg/Kg	07/09/25 10:35	07/10/25 22:09	6010D	SW3050
7782-49-2	Selenium	0.27	U	1	0.27	1.02	mg/Kg	07/09/25 10:35	07/10/25 22:09	6010D	SW3050
7440-22-4	Silver	0.12	U	1	0.12	0.51	mg/Kg	07/09/25 10:35	07/10/25 22:09	6010D	SW3050
7440-23-5	Sodium	154	N	1	18.1	102	mg/Kg	07/09/25 10:35	07/10/25 22:09	6010D	SW3050
7440-28-0	Thallium	0.23	U	1	0.23	2.04	mg/Kg	07/09/25 10:35	07/10/25 22:09	6010D	SW3050
7440-62-2	Vanadium	16.2		1	0.25	2.04	mg/Kg	07/09/25 10:35	07/10/25 22:09	6010D	SW3050
7440-66-6	Zinc	15.6		1	0.23	2.04	mg/Kg	07/09/25 10:35	07/10/25 22:09	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

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

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2529

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
ICV23	Mercury	3.72	4.0	93	90 - 110	CV	07/10/2025	09:22	LB136417

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2529

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
CCV74	Mercury	5.35	5.0	107	90 - 110	CV	07/10/2025	09:27	LB136417
CCV75	Mercury	5.09	5.0	102	90 - 110	CV	07/10/2025	09:59	LB136417
CCV76	Mercury	5.19	5.0	104	90 - 110	CV	07/10/2025	10:29	LB136417
CCV77	Mercury	5.25	5.0	105	90 - 110	CV	07/10/2025	10:40	LB136417

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2529

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

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2529

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

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2529

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

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2529

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
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

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2529

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

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2529

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
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

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Fax : 908 789 8922

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2529

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

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2529

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

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2529

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
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

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Metals

- 2b -
CRDL STANDARD FOR AA & ICP

Client: CDM Smith **SDG No.:** Q2529

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
CRA	Mercury	0.22	0.2	111	70 - 130	CV	07/10/2025	09:34	LB136417
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

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2529

Contract: CAMP02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB23	Mercury	0.076	+/-0.2	U	0.20	CV	07/10/2025	09:24	LB136417

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2529

Contract: CAMP02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB74	Mercury	0.076	+/-0.2	U	0.20	CV	07/10/2025	09:32	LB136417
CCB75	Mercury	0.076	+/-0.2	U	0.20	CV	07/10/2025	10:04	LB136417
CCB76	Mercury	0.076	+/-0.2	U	0.20	CV	07/10/2025	10:31	LB136417
CCB77	Mercury	0.076	+/-0.2	U	0.20	CV	07/10/2025	10:42	LB136417

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2529

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

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2529

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

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2529

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

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2529

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

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2529

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

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2529

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

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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2529

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

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2529

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB168776BL		**SOLID**		**Batch Number:**	**PB168776**		**Prep Date:**	**07/09/2025**	
	Mercury	0.0070	<0.012	U	0.012	CV	07/10/2025	09:42	LB136417

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2529

Instrument: P4

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB168770BL		**SOLID**		**Batch Number:**	**PB168770**		**Prep Date:**	**07/09/2025**	
	Aluminum	0.84	<2.5	U	5.00	P	07/10/2025	18:48	LB136428
	Antimony	0.22	<1.25	U	2.50	P	07/10/2025	18:48	LB136428
	Arsenic	0.19	<0.5	U	1.00	P	07/10/2025	18:48	LB136428
	Barium	0.73	<2.5	U	5.00	P	07/10/2025	18:48	LB136428
	Beryllium	0.025	<0.15	U	0.30	P	07/10/2025	18:48	LB136428
	Cadmium	0.024	<0.15	U	0.30	P	07/10/2025	18:48	LB136428
	Calcium	11.1	<50	U	100	P	07/10/2025	18:48	LB136428
	Chromium	0.047	<0.25	U	0.50	P	07/10/2025	18:48	LB136428
	Cobalt	0.10	<0.75	U	1.50	P	07/10/2025	18:48	LB136428
	Copper	0.22	<0.5	U	1.00	P	07/10/2025	18:48	LB136428
	Iron	3.99	<2.5	U	5.00	P	07/10/2025	18:48	LB136428
	Lead	0.13	<0.3	U	0.60	P	07/10/2025	18:48	LB136428
	Magnesium	12.0	<50	U	100	P	07/10/2025	18:48	LB136428
	Manganese	0.14	<0.5	U	1.00	P	07/10/2025	18:48	LB136428
	Nickel	0.13	<1	U	2.00	P	07/10/2025	18:48	LB136428
	Potassium	27.7	<50	U	100	P	07/10/2025	18:48	LB136428
	Selenium	0.26	<0.5	U	1.00	P	07/10/2025	18:48	LB136428
	Silver	0.12	<0.25	U	0.50	P	07/10/2025	18:48	LB136428
	Sodium	17.8	<50	U	100	P	07/10/2025	18:48	LB136428
	Thallium	0.23	<1	U	2.00	P	07/10/2025	18:48	LB136428
	Vanadium	0.25	<1	U	2.00	P	07/10/2025	18:48	LB136428
	Zinc	0.23	<1	U	2.00	P	07/10/2025	18:48	LB136428

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Metals
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INTERFERENCE CHECK SAMPLE

Client: CDM Smith **SDG No.:** Q2529

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
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

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INTERFERENCE CHECK SAMPLE

Client: CDM Smith **SDG No.:** Q2529

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

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metals
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MATRIX SPIKE SUMMARY

client: CDM Smith **level:** low **sdg no.:** Q2529

contract: CAMP02 **lab code:** ACE

matrix: Solid **sample id:** Q2517-01 **client id:** TP-14MS

Percent Solids for Sample: 87.8 **Spiked ID:** Q2517-01MS **Percent Solids for Spike Sample:** 87.8

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.32		0.028		0.3	99		CV

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metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: CDM Smith **level:** low **sdg no.:** Q2529

contract: CAMP02 **lab code:** ACE

matrix: Solid **sample id:** Q2517-01 **client id:** TP-14MSD

Percent Solids for Sample: 87.8 **Spiked ID:** Q2517-01MSD **Percent Solids for Spike Sample:** 87.8

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.32		0.028		0.3	98		CV

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metals
- 5a -
MATRIX SPIKE SUMMARY

client: CDM Smith **level:** low **sdg no.:** Q2529

contract: CAMP02 **lab code:** ACE

matrix: Solid **sample id:** Q2529-06 **client id:** TP-102MS

Percent Solids for Sample: 95.6 **Spiked ID:** Q2529-06MS **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	3990		2060		98.2	1972		P
Antimony	mg/Kg	75 - 125	18.6		2.28	U	39.3	47	N	P
Arsenic	mg/Kg	75 - 125	35.1		2.65		39.3	83		P
Barium	mg/Kg	75 - 125	20.6		8.89		9.8	119		P
Beryllium	mg/Kg	75 - 125	8.63		0.36		9.8	84		P
Cadmium	mg/Kg	75 - 125	8.48		0.27	U	9.8	86		P
Calcium	mg/Kg	75 - 125	142		41.6	J	49.1	205	N	P
Chromium	mg/Kg	75 - 125	23.3		3.17		19.6	103		P
Cobalt	mg/Kg	75 - 125	10.8		1.54		9.8	94		P
Copper	mg/Kg	75 - 125	15.4		2.26		14.7	90		P
Iron	mg/Kg	75 - 125	11500		9030		150	1630		P
Lead	mg/Kg	75 - 125	44.6		2.41		49.1	86		P
Magnesium	mg/Kg	75 - 125	298		158		98.2	143	N	P
Manganese	mg/Kg	75 - 125	49.2		30.5		9.8	191	N	P
Nickel	mg/Kg	75 - 125	24.2		1.60	J	24.6	92		P
Potassium	mg/Kg	75 - 125	647		142		490	103		P
Selenium	mg/Kg	75 - 125	77.0		0.91	U	98.2	78		P
Silver	mg/Kg	75 - 125	3.22		0.46	U	3.7	87		P
Sodium	mg/Kg	75 - 125	406		210		150	131	N	P
Thallium	mg/Kg	75 - 125	86.7		1.83	U	98.2	88		P
Vanadium	mg/Kg	75 - 125	29.0		13.2		14.7	108		P
Zinc	mg/Kg	75 - 125	19.4		7.14		9.8	125		P

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: CDM Smith **level:** low **sdg no.:** Q2529

contract: CAMP02 **lab code:** ACE

matrix: Solid **sample id:** Q2529-06 **client id:** TP-102MSD

Percent Solids for Sample: 95.6 **Spiked ID:** Q2529-06MSD **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	3690		2060		91.0	1798		P
Antimony	mg/Kg	75 - 125	17.2		2.28	U	36.4	47	N	P
Arsenic	mg/Kg	75 - 125	32.7		2.65		36.4	83		P
Barium	mg/Kg	75 - 125	18.9		8.89		9.1	110		P
Beryllium	mg/Kg	75 - 125	8.09		0.36		9.1	85		P
Cadmium	mg/Kg	75 - 125	7.91		0.27	U	9.1	87		P
Calcium	mg/Kg	75 - 125	128		41.6	J	45.5	189	N	P
Chromium	mg/Kg	75 - 125	21.7		3.17		18.2	102		P
Cobalt	mg/Kg	75 - 125	9.97		1.54		9.1	93		P
Copper	mg/Kg	75 - 125	14.5		2.26		13.6	90		P
Iron	mg/Kg	75 - 125	10400		9030		140	989		P
Lead	mg/Kg	75 - 125	41.5		2.41		45.5	86		P
Magnesium	mg/Kg	75 - 125	274		158		91.0	127	N	P
Manganese	mg/Kg	75 - 125	45.3		30.5		9.1	163	N	P
Nickel	mg/Kg	75 - 125	22.5		1.60	J	22.7	92		P
Potassium	mg/Kg	75 - 125	591		142		450	100		P
Selenium	mg/Kg	75 - 125	71.3		0.91	U	91.0	78		P
Silver	mg/Kg	75 - 125	2.89		0.46	U	3.4	85		P
Sodium	mg/Kg	75 - 125	371		210		140	115		P
Thallium	mg/Kg	75 - 125	76.7		1.83	U	91.0	84		P
Vanadium	mg/Kg	75 - 125	26.7		13.2		13.6	99		P
Zinc	mg/Kg	75 - 125	17.9		7.14		9.1	118		P

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Metals
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POST DIGEST SPIKE SUMMARY

Client: CDM Smith **SDG No.:** Q2529

Contract: CAMP02 **Lab Code:** ACE

Matrix: Solid **Level:** LOW **Client ID:** TP-102A

Sample ID: Q2529-06 **Spiked ID:** Q2529-06A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	mg/Kg	75 - 125	32.9		2.28	U	36.5	90		P
Calcium	mg/Kg	75 - 125	81.3	J	41.6	J	45.7	87		P
Magnesium	mg/Kg	75 - 125	235		158		91.4	84		P
Manganese	mg/Kg	75 - 125	38.3		30.5		9.10	86		P
Sodium	mg/Kg	75 - 125	342		210		140	95		P

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: CDM Smith **Level:** LOW **SDG No.:** Q2529

Contract: CAMP02 **Lab Code:** ACE

Matrix: Solid **Sample ID:** Q2517-01 **Client ID:** TP-14DUP

Percent Solids for Sample: 87.8 **Duplicate ID** Q2517-01DUP **Percent Solids for Spike Sample:** 87.8

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.028		0.028		0		CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: CDM Smith **Level:** LOW **SDG No.:** Q2529

Contract: CAMP02 **Lab Code:** ACE

Matrix: Solid **Sample ID:** Q2517-01MS **Client ID:** TP-14MSD

Percent Solids for Sample: 87.8 **Duplicate ID** Q2517-01MSD **Percent Solids for Spike Sample:** 87.8

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.32		0.32		1		CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: CDM Smith **Level:** LOW **SDG No.:** Q2529

Contract: CAMP02 **Lab Code:** ACE

Matrix: Solid **Sample ID:** Q2529-06 **Client ID:** TP-102DUP

Percent Solids for Sample: 95.6 **Duplicate ID** Q2529-06DUP **Percent Solids for Spike Sample:** 95.6

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	2060		1980		4		P
Antimony	mg/Kg	20	2.28	U	2.31	U			P
Arsenic	mg/Kg	20	2.65		2.60		2		P
Barium	mg/Kg	20	8.89		8.15		9		P
Beryllium	mg/Kg	20	0.36		0.35		4		P
Cadmium	mg/Kg	20	0.27	U	0.28	U			P
Calcium	mg/Kg	20	41.6	J	22.8	J	58		P
Chromium	mg/Kg	20	3.17		3.48		9		P
Cobalt	mg/Kg	20	1.54		1.62		5		P
Copper	mg/Kg	20	2.26		2.60		14		P
Iron	mg/Kg	20	9030		8470		6		P
Lead	mg/Kg	20	2.41		2.35		3		P
Magnesium	mg/Kg	20	158		159		1		P
Manganese	mg/Kg	20	30.5		32.2		5		P
Nickel	mg/Kg	20	1.60	J	1.60	J	0		P
Potassium	mg/Kg	20	142		138		3		P
Selenium	mg/Kg	20	0.91	U	0.93	U			P
Silver	mg/Kg	20	0.46	U	0.46	U			P
Sodium	mg/Kg	20	210		204		3		P
Thallium	mg/Kg	20	1.83	U	1.85	U			P
Vanadium	mg/Kg	20	13.2		12.6		5		P
Zinc	mg/Kg	20	7.14		6.90		3		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: CDM Smith **Level:** LOW **SDG No.:** Q2529

Contract: CAMP02 **Lab Code:** ACE

Matrix: Solid **Sample ID:** Q2529-06MS **Client ID:** TP-102MSD

Percent Solids for Sample: 95.6 **Duplicate ID** Q2529-06MSD **Percent Solids for Spike Sample:** 95.6

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	3990		3690		8		P
Antimony	mg/Kg	20	18.6		17.2		8		P
Arsenic	mg/Kg	20	35.1		32.7		7		P
Barium	mg/Kg	20	20.6		18.9		9		P
Beryllium	mg/Kg	20	8.63		8.09		6		P
Cadmium	mg/Kg	20	8.48		7.91		7		P
Calcium	mg/Kg	20	142		128		10		P
Chromium	mg/Kg	20	23.3		21.7		7		P
Cobalt	mg/Kg	20	10.8		9.97		8		P
Copper	mg/Kg	20	15.4		14.5		6		P
Iron	mg/Kg	20	11500		10400		10		P
Lead	mg/Kg	20	44.6		41.5		7		P
Magnesium	mg/Kg	20	298		274		8		P
Manganese	mg/Kg	20	49.2		45.3		8		P
Nickel	mg/Kg	20	24.2		22.5		7		P
Potassium	mg/Kg	20	647		591		9		P
Selenium	mg/Kg	20	77.0		71.3		8		P
Silver	mg/Kg	20	3.22		2.89		11		P
Sodium	mg/Kg	20	406		371		9		P
Thallium	mg/Kg	20	86.7		76.7		12		P
Vanadium	mg/Kg	20	29.0		26.7		8		P
Zinc	mg/Kg	20	19.4		17.9		8		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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LABORATORY CONTROL SAMPLE SUMMARY

Client: CDM Smith **SDG No.:** Q2529

Contract: CAMP02 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168770BS							
Aluminum	mg/Kg	100	102		102	80 - 120	P
Antimony	mg/Kg	40.0	41.8		104	80 - 120	P
Arsenic	mg/Kg	40.0	40.3		101	80 - 120	P
Barium	mg/Kg	10.0	10.2		102	80 - 120	P
Beryllium	mg/Kg	10.0	10.4		104	80 - 120	P
Cadmium	mg/Kg	10.0	9.97		100	80 - 120	P
Calcium	mg/Kg	50.0	51.5	J	103	80 - 120	P
Chromium	mg/Kg	20.0	21.1		106	80 - 120	P
Cobalt	mg/Kg	10.0	10.2		102	80 - 120	P
Copper	mg/Kg	15.0	16.1		107	80 - 120	P
Iron	mg/Kg	150	154		103	80 - 120	P
Lead	mg/Kg	50.0	49.7		99	80 - 120	P
Magnesium	mg/Kg	100	104		104	80 - 120	P
Manganese	mg/Kg	10.0	10.7		107	80 - 120	P
Nickel	mg/Kg	25.0	25.6		102	80 - 120	P
Potassium	mg/Kg	500	520		104	80 - 120	P
Selenium	mg/Kg	100	102		102	80 - 120	P
Silver	mg/Kg	3.8	3.65		96	80 - 120	P
Sodium	mg/Kg	150	154		103	80 - 120	P
Thallium	mg/Kg	100	102		102	80 - 120	P
Vanadium	mg/Kg	15.0	15.7		105	80 - 120	P
Zinc	mg/Kg	10.0	10.9		109	80 - 120	P

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LABORATORY CONTROL SAMPLE SUMMARY

Client: CDM Smith **SDG No.:** Q2529

Contract: CAMP02 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168776BS							
Mercury	mg/Kg	0.25	0.22		90	80 - 120	CV

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

TP-14L

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **Lb No.:** lb136417 **Lab Sample ID :** Q2517-01L **SDG No.:** Q2529

Matrix (soil/water): Solid **Level (low/med):** LOW

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Mercury	0.028		0.074	U	100.0		CV

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

TP-102L

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **Lb No.:** lb136428 **Lab Sample ID :** Q2529-06L **SDG No.:** Q2529

Matrix (soil/water): Solid **Level (low/med):** LOW

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	2060		2120		3		P
Antimony	2.28	U	11.4	U			P
Arsenic	2.65		2.20	J	17		P
Barium	8.89		8.46	J	5		P
Beryllium	0.36		0.38	J	5		P
Cadmium	0.27	U	1.37	U			P
Calcium	41.6	J	457	U	100.0		P
Chromium	3.17		3.21		1		P
Cobalt	1.54		1.47	J	4		P
Copper	2.26		2.82	J	25		P
Iron	9030		8790		3		P
Lead	2.41		2.39	J	1		P
Magnesium	158		158	J	0		P
Manganese	30.5		31.1		2		P
Nickel	1.60	J	1.48	J	8		P
Potassium	142		457	U	100.0		P
Selenium	0.91	U	4.57	U			P
Silver	0.46	U	2.28	U			P
Sodium	210		203	J	3		P
Thallium	1.83	U	9.14	U			P
Vanadium	13.2		13.4		2		P
Zinc	7.14		6.45	J	10		P

METAL PREPARATION & INSTRUMENT DATA

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ICP INTERELEMENT CORRECTION FACTORS

Client: CDM Smith **SDG No.:** Q2529

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

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ICP INTERELEMENT CORRECTION FACTORS

Client: CDM Smith **SDG No.:** Q2529

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: 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

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ICP INTERELEMENT CORRECTION FACTORS

Client: CDM Smith **SDG No.:** Q2529

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

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: CDM Smith **SDG No.:** Q2529

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: 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

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ICP INTERELEMENT CORRECTION FACTORS

Client: CDM Smith **SDG No.:** Q2529

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: 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

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SAMPLE PREPARATION SUMMARY

Client: CDM Smith **SDG No.:** Q2529

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:	**PB168770**						
PB168770BL	PB168770BL	MB	SOLID	07/09/2025	2.00	100.0	100.00
PB168770BS	PB168770BS	LCS	SOLID	07/09/2025	2.00	100.0	100.00
Q2529-01	TP-91	SAM	SOLID	07/09/2025	2.26	100.0	90.90
Q2529-02	TP-80	SAM	SOLID	07/09/2025	2.40	100.0	90.70
Q2529-03	TP-79	SAM	SOLID	07/09/2025	2.28	100.0	90.60
Q2529-04	TP-95	SAM	SOLID	07/09/2025	2.19	100.0	83.70
Q2529-05	TP-98	SAM	SOLID	07/09/2025	2.44	100.0	86.90
Q2529-06	TP-102	SAM	SOLID	07/09/2025	2.29	100.0	95.60
Q2529-06DUP	TP-102DUP	DUP	SOLID	07/09/2025	2.26	100.0	95.60
Q2529-06MS	TP-102MS	MS	SOLID	07/09/2025	2.13	100.0	95.60
Q2529-06MSD	TP-102MSD	MSD	SOLID	07/09/2025	2.30	100.0	95.60
Q2529-07	TP-101	SAM	SOLID	07/09/2025	2.31	100.0	89.70
Q2529-08	TP-89	SAM	SOLID	07/09/2025	2.23	100.0	90.10
Q2529-09	TP-33	SAM	SOLID	07/09/2025	2.31	100.0	90.50
Q2529-10	TP-30	SAM	SOLID	07/09/2025	2.15	100.0	91.40

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SAMPLE PREPARATION SUMMARY

Client: CDM Smith **SDG No.:** Q2529

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:	**PB168776**						
PB168776BL	PB168776BL	MB	SOLID	07/09/2025	0.59	35.0	100.00
PB168776BS	PB168776BS	LCS	SOLID	07/09/2025	0.57	35.0	100.00
Q2517-01DUP	TP-14DUP	DUP	SOLID	07/09/2025	0.53	35.0	87.80
Q2517-01MS	TP-14MS	MS	SOLID	07/09/2025	0.53	35.0	87.80
Q2517-01MSD	TP-14MSD	MSD	SOLID	07/09/2025	0.54	35.0	87.80
Q2529-01	TP-91	SAM	SOLID	07/09/2025	0.52	35.0	90.90
Q2529-02	TP-80	SAM	SOLID	07/09/2025	0.51	35.0	90.70
Q2529-03	TP-79	SAM	SOLID	07/09/2025	0.50	35.0	90.60
Q2529-04	TP-95	SAM	SOLID	07/09/2025	0.51	35.0	83.70
Q2529-05	TP-98	SAM	SOLID	07/09/2025	0.55	35.0	86.90
Q2529-06	TP-102	SAM	SOLID	07/09/2025	0.58	35.0	95.60
Q2529-07	TP-101	SAM	SOLID	07/09/2025	0.52	35.0	89.70
Q2529-08	TP-89	SAM	SOLID	07/09/2025	0.50	35.0	90.10
Q2529-09	TP-33	SAM	SOLID	07/09/2025	0.60	35.0	90.50
Q2529-10	TP-30	SAM	SOLID	07/09/2025	0.56	35.0	91.40

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ANALYSIS RUN LOG

Client: CDM Smith **Contract:** CAMP02

Lab code: ACE **Sdg no.:** Q2529

Instrument id number: **Method:** **Run number:** LB136417

Start date: 07/10/2025 **End date:** 07/10/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	0902	HG
S0.2	S0.2	1	0904	HG
S2.5	S2.5	1	0906	HG
S5	S5	1	0909	HG
S7.5	S7.5	1	0914	HG
S10	S10	1	0919	HG
ICV23	ICV23	1	0922	HG
ICB23	ICB23	1	0924	HG
CCV74	CCV74	1	0927	HG
CCB74	CCB74	1	0932	HG
CRA	CRA	1	0934	HG
PB168776BL	PB168776BL	1	0942	HG
PB168776BS	PB168776BS	1	0944	HG
Q2517-01DUP	TP-14DUP	1	0949	HG
Q2517-01MS	TP-14MS	1	0951	HG
Q2517-01MSD	TP-14MSD	1	0954	HG
CCV75	CCV75	1	0959	HG
CCB75	CCB75	1	1004	HG
Q2529-01	TP-91	1	1008	HG
Q2529-02	TP-80	1	1010	HG
Q2529-03	TP-79	1	1013	HG
Q2529-04	TP-95	1	1015	HG
Q2529-05	TP-98	1	1017	HG
Q2529-06	TP-102	1	1020	HG
Q2529-07	TP-101	1	1022	HG
Q2529-08	TP-89	1	1024	HG
Q2529-09	TP-33	1	1026	HG
CCV76	CCV76	1	1029	HG
CCB76	CCB76	1	1031	HG
Q2529-10	TP-30	1	1033	HG
Q2517-01L	TP-14L	5	1036	HG
CCV77	CCV77	1	1040	HG
CCB77	CCB77	1	1042	HG

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ANALYSIS RUN LOG

Client: CDM Smith **Contract:** CAMP02

Lab code: ACE **Sdg no.:** Q2529

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
PB168770BL	PB168770BL	1	1848	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB168770BS	PB168770BS	1	1852	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
Q2529-01	TP-91	1	2058	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2529-02	TP-80	1	2103	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2529-03	TP-79	1	2107	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2529-04	TP-95	1	2111	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2529-05	TP-98	1	2115	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2529-06	TP-102	1	2119	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2529-06DUP	TP-102DUP	1	2123	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
Q2529-06L	TP-102L	5	2135	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2529-06MS	TP-102MS	1	2144	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2529-06MSD	TP-102MSD	1	2148	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2529-06A	TP-102A	1	2152	Ca,Mg,Mn,Na,Sb
Q2529-07	TP-101	1	2156	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2529-08	TP-89	1	2200	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2529-09	TP-33	1	2204	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2529-10	TP-30	1	2209	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

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ANALYSIS RUN LOG

Client: CDM Smith **Contract:** CAMP02

Lab code: ACE **Sdg no.:** Q2529

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
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
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
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