

LAB CHRONICLE

OrderID:	Q2458	OrderDate:	6/27/2025 4:22:00 PM
Client:	CDM Smith	Project:	South River WM Replacement
Contact:	Marcie Ann Encinas	Location:	D51,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2458-01	TP-76	SOIL			06/26/25			06/27/25
			Mercury	7471B		07/01/25	07/02/25	
			Metals ICP-TAL	6010D		07/01/25	07/03/25	
Q2458-02	TP-55	SOIL			06/26/25			06/27/25
			Mercury	7471B		07/01/25	07/02/25	
			Metals ICP-TAL	6010D		07/01/25	07/03/25	
Q2458-03	TP-68	SOIL			06/27/25			06/27/25
			Mercury	7471B		07/01/25	07/02/25	
			Metals ICP-TAL	6010D		07/01/25	07/03/25	
Q2458-04	TP-67	SOIL			06/27/25			06/27/25
			Mercury	7471B		07/01/25	07/02/25	
			Metals ICP-TAL	6010D		07/01/25	07/03/25	
Q2458-05	TP-66	SOIL			06/27/25			06/27/25
			Mercury	7471B		07/01/25	07/02/25	
			Metals ICP-TAL	6010D		07/01/25	07/03/25	
Q2458-06	TP-60	SOIL			06/27/25			06/27/25
			Mercury	7471B		07/01/25	07/02/25	
			Metals ICP-TAL	6010D		07/01/25	07/03/25	
Q2458-07	TP-62	SOIL			06/27/25			06/27/25
			Mercury	7471B		07/01/25	07/02/25	
			Metals ICP-TAL	6010D		07/01/25	07/03/25	
Q2458-08	TP-63	SOIL			06/27/25			06/27/25
			Mercury	7471B		07/01/25	07/02/25	
			Metals ICP-TAL	6010D		07/01/25	07/03/25	
Q2458-09	TP-59	SOIL			06/27/25			06/27/25

LAB CHRONICLE							
Q2458-10	FB-06272025	Water	Mercury	7471B		07/01/25	07/02/25
			Metals ICP-TAL	6010D		07/01/25	07/03/25
					06/27/25		
			Mercury	7470A		07/01/25	07/01/25
			Metals ICP-TAL	6010D		07/01/25	07/03/25

Hit Summary Sheet
SW-846

SDG No.: Q2458 **Order ID:** Q2458
Client: CDM Smith **Project ID:** South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : TP-76								
Q2458-01	TP-76	SOIL	Aluminum	9480		0.85	5.06	mg/Kg
Q2458-01	TP-76	SOIL	Arsenic	3.70		0.19	1.01	mg/Kg
Q2458-01	TP-76	SOIL	Barium	27.9		0.74	5.06	mg/Kg
Q2458-01	TP-76	SOIL	Beryllium	0.42		0.025	0.30	mg/Kg
Q2458-01	TP-76	SOIL	Calcium	331		11.2	101	mg/Kg
Q2458-01	TP-76	SOIL	Chromium	6.84		0.048	0.51	mg/Kg
Q2458-01	TP-76	SOIL	Cobalt	2.49		0.10	1.52	mg/Kg
Q2458-01	TP-76	SOIL	Copper	4.94		0.22	1.01	mg/Kg
Q2458-01	TP-76	SOIL	Iron	12500		4.04	5.06	mg/Kg
Q2458-01	TP-76	SOIL	Lead	22.7		0.13	0.61	mg/Kg
Q2458-01	TP-76	SOIL	Magnesium	247		12.2	101	mg/Kg
Q2458-01	TP-76	SOIL	Manganese	24.9		0.14	1.01	mg/Kg
Q2458-01	TP-76	SOIL	Mercury	0.010	J	0.0080	0.014	mg/Kg
Q2458-01	TP-76	SOIL	Nickel	4.26		0.13	2.03	mg/Kg
Q2458-01	TP-76	SOIL	Potassium	247		28.0	101	mg/Kg
Q2458-01	TP-76	SOIL	Selenium	0.79	J	0.26	1.01	mg/Kg
Q2458-01	TP-76	SOIL	Sodium	767		18.0	101	mg/Kg
Q2458-01	TP-76	SOIL	Vanadium	17.6		0.25	2.03	mg/Kg
Q2458-01	TP-76	SOIL	Zinc	15.8		0.23	2.03	mg/Kg
Client ID : TP-55								
Q2458-02	TP-55	SOIL	Aluminum	5480		0.74	4.43	mg/Kg
Q2458-02	TP-55	SOIL	Arsenic	3.37		0.17	0.89	mg/Kg
Q2458-02	TP-55	SOIL	Barium	19.8		0.65	4.43	mg/Kg
Q2458-02	TP-55	SOIL	Beryllium	0.46		0.022	0.27	mg/Kg
Q2458-02	TP-55	SOIL	Calcium	999		9.83	88.6	mg/Kg
Q2458-02	TP-55	SOIL	Chromium	8.61		0.042	0.44	mg/Kg
Q2458-02	TP-55	SOIL	Cobalt	4.17		0.089	1.33	mg/Kg
Q2458-02	TP-55	SOIL	Copper	22.1		0.20	0.89	mg/Kg
Q2458-02	TP-55	SOIL	Iron	15800		3.53	4.43	mg/Kg
Q2458-02	TP-55	SOIL	Lead	9.31		0.12	0.53	mg/Kg
Q2458-02	TP-55	SOIL	Magnesium	731		10.6	88.6	mg/Kg
Q2458-02	TP-55	SOIL	Manganese	51.6		0.12	0.89	mg/Kg
Q2458-02	TP-55	SOIL	Mercury	0.0080	J	0.0080	0.014	mg/Kg
Q2458-02	TP-55	SOIL	Nickel	6.64		0.12	1.77	mg/Kg
Q2458-02	TP-55	SOIL	Potassium	270		24.5	88.6	mg/Kg
Q2458-02	TP-55	SOIL	Selenium	3.83		0.23	0.89	mg/Kg
Q2458-02	TP-55	SOIL	Silver	0.47		0.11	0.44	mg/Kg

Hit Summary Sheet
SW-846

SDG No.:	Q2458	Order ID:	Q2458
Client:	CDM Smith	Project ID:	South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2458-02	TP-55	SOIL	Sodium	358		15.8	88.6	mg/Kg
Q2458-02	TP-55	SOIL	Vanadium	20.8		0.22	1.77	mg/Kg
Q2458-02	TP-55	SOIL	Zinc	32.0		0.20	1.77	mg/Kg
Client ID : TP-68								
Q2458-03	TP-68	SOIL	Aluminum	4030		0.83	4.92	mg/Kg
Q2458-03	TP-68	SOIL	Arsenic	1.61		0.19	0.99	mg/Kg
Q2458-03	TP-68	SOIL	Barium	7.39		0.72	4.92	mg/Kg
Q2458-03	TP-68	SOIL	Beryllium	0.13	J	0.025	0.30	mg/Kg
Q2458-03	TP-68	SOIL	Calcium	1990		10.9	98.5	mg/Kg
Q2458-03	TP-68	SOIL	Chromium	9.01		0.046	0.49	mg/Kg
Q2458-03	TP-68	SOIL	Cobalt	4.51		0.098	1.48	mg/Kg
Q2458-03	TP-68	SOIL	Copper	45.1		0.22	0.99	mg/Kg
Q2458-03	TP-68	SOIL	Iron	9290		3.93	4.92	mg/Kg
Q2458-03	TP-68	SOIL	Lead	5.32		0.13	0.59	mg/Kg
Q2458-03	TP-68	SOIL	Magnesium	2200		11.8	98.5	mg/Kg
Q2458-03	TP-68	SOIL	Manganese	65.0		0.14	0.99	mg/Kg
Q2458-03	TP-68	SOIL	Mercury	0.050		0.0070	0.013	mg/Kg
Q2458-03	TP-68	SOIL	Nickel	9.84		0.13	1.97	mg/Kg
Q2458-03	TP-68	SOIL	Potassium	521		27.3	98.5	mg/Kg
Q2458-03	TP-68	SOIL	Selenium	2.38		0.26	0.99	mg/Kg
Q2458-03	TP-68	SOIL	Silver	0.37	J	0.12	0.49	mg/Kg
Q2458-03	TP-68	SOIL	Sodium	582		17.5	98.5	mg/Kg
Q2458-03	TP-68	SOIL	Vanadium	20.1		0.25	1.97	mg/Kg
Q2458-03	TP-68	SOIL	Zinc	12.9		0.23	1.97	mg/Kg
Client ID : TP-67								
Q2458-04	TP-67	SOIL	Aluminum	3970		0.85	5.04	mg/Kg
Q2458-04	TP-67	SOIL	Arsenic	5.78		0.19	1.01	mg/Kg
Q2458-04	TP-67	SOIL	Barium	6.65		0.74	5.04	mg/Kg
Q2458-04	TP-67	SOIL	Beryllium	0.47		0.025	0.30	mg/Kg
Q2458-04	TP-67	SOIL	Calcium	443		11.2	101	mg/Kg
Q2458-04	TP-67	SOIL	Chromium	20.2		0.047	0.50	mg/Kg
Q2458-04	TP-67	SOIL	Cobalt	1.89		0.10	1.51	mg/Kg
Q2458-04	TP-67	SOIL	Copper	25.4		0.22	1.01	mg/Kg
Q2458-04	TP-67	SOIL	Iron	27900		4.03	5.04	mg/Kg
Q2458-04	TP-67	SOIL	Lead	8.85		0.13	0.61	mg/Kg
Q2458-04	TP-67	SOIL	Magnesium	241		12.1	101	mg/Kg
Q2458-04	TP-67	SOIL	Manganese	34.8		0.14	1.01	mg/Kg
Q2458-04	TP-67	SOIL	Mercury	0.016		0.0080	0.014	mg/Kg
Q2458-04	TP-67	SOIL	Nickel	3.55		0.13	2.02	mg/Kg

Hit Summary Sheet
SW-846

SDG No.: Q2458

Order ID: Q2458

Client: CDM Smith

Project ID: South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2458-04	TP-67	SOIL	Potassium	274		27.9	101	mg/Kg
Q2458-04	TP-67	SOIL	Selenium	6.91		0.26	1.01	mg/Kg
Q2458-04	TP-67	SOIL	Silver	0.83		0.12	0.50	mg/Kg
Q2458-04	TP-67	SOIL	Sodium	31.5	J	18.0	101	mg/Kg
Q2458-04	TP-67	SOIL	Thallium	0.64	J	0.23	2.02	mg/Kg
Q2458-04	TP-67	SOIL	Vanadium	22.2		0.25	2.02	mg/Kg
Q2458-04	TP-67	SOIL	Zinc	15.8		0.23	2.02	mg/Kg
Client ID : TP-66								
Q2458-05	TP-66	SOIL	Aluminum	2430		0.91	5.39	mg/Kg
Q2458-05	TP-66	SOIL	Arsenic	5.43		0.21	1.08	mg/Kg
Q2458-05	TP-66	SOIL	Barium	9.75		0.79	5.39	mg/Kg
Q2458-05	TP-66	SOIL	Beryllium	0.37		0.027	0.32	mg/Kg
Q2458-05	TP-66	SOIL	Calcium	598		12.0	108	mg/Kg
Q2458-05	TP-66	SOIL	Chromium	9.03		0.051	0.54	mg/Kg
Q2458-05	TP-66	SOIL	Cobalt	1.06	J	0.11	1.62	mg/Kg
Q2458-05	TP-66	SOIL	Copper	23.2		0.24	1.08	mg/Kg
Q2458-05	TP-66	SOIL	Iron	21800		4.30	5.39	mg/Kg
Q2458-05	TP-66	SOIL	Lead	16.8		0.14	0.65	mg/Kg
Q2458-05	TP-66	SOIL	Magnesium	258		12.9	108	mg/Kg
Q2458-05	TP-66	SOIL	Manganese	54.0		0.15	1.08	mg/Kg
Q2458-05	TP-66	SOIL	Mercury	0.016		0.0080	0.014	mg/Kg
Q2458-05	TP-66	SOIL	Nickel	2.15	J	0.14	2.16	mg/Kg
Q2458-05	TP-66	SOIL	Potassium	403		29.9	108	mg/Kg
Q2458-05	TP-66	SOIL	Selenium	5.20		0.28	1.08	mg/Kg
Q2458-05	TP-66	SOIL	Silver	0.64		0.13	0.54	mg/Kg
Q2458-05	TP-66	SOIL	Sodium	195		19.2	108	mg/Kg
Q2458-05	TP-66	SOIL	Thallium	0.39	J	0.25	2.16	mg/Kg
Q2458-05	TP-66	SOIL	Vanadium	19.5		0.27	2.16	mg/Kg
Q2458-05	TP-66	SOIL	Zinc	16.6		0.25	2.16	mg/Kg
Client ID : TP-60								
Q2458-06	TP-60	SOIL	Aluminum	4300		0.80	4.78	mg/Kg
Q2458-06	TP-60	SOIL	Arsenic	9.45		0.18	0.96	mg/Kg
Q2458-06	TP-60	SOIL	Barium	13.1		0.70	4.78	mg/Kg
Q2458-06	TP-60	SOIL	Beryllium	0.75		0.024	0.29	mg/Kg
Q2458-06	TP-60	SOIL	Calcium	1190		10.6	95.7	mg/Kg
Q2458-06	TP-60	SOIL	Chromium	29.6		0.045	0.48	mg/Kg
Q2458-06	TP-60	SOIL	Cobalt	2.92		0.096	1.44	mg/Kg
Q2458-06	TP-60	SOIL	Copper	35.2		0.21	0.96	mg/Kg
Q2458-06	TP-60	SOIL	Iron	31500		3.82	4.78	mg/Kg

Hit Summary Sheet
SW-846

SDG No.: Q2458

Order ID: Q2458

Client: CDM Smith

Project ID: South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2458-06	TP-60	SOIL	Lead	23.4		0.12	0.57	mg/Kg
Q2458-06	TP-60	SOIL	Magnesium	678		11.5	95.7	mg/Kg
Q2458-06	TP-60	SOIL	Manganese	43.3		0.13	0.96	mg/Kg
Q2458-06	TP-60	SOIL	Mercury	0.036		0.0070	0.013	mg/Kg
Q2458-06	TP-60	SOIL	Nickel	5.05		0.12	1.91	mg/Kg
Q2458-06	TP-60	SOIL	Potassium	441		26.5	95.7	mg/Kg
Q2458-06	TP-60	SOIL	Selenium	7.12		0.25	0.96	mg/Kg
Q2458-06	TP-60	SOIL	Silver	0.78		0.12	0.48	mg/Kg
Q2458-06	TP-60	SOIL	Sodium	88.5	J	17.0	95.7	mg/Kg
Q2458-06	TP-60	SOIL	Thallium	0.35	J	0.22	1.91	mg/Kg
Q2458-06	TP-60	SOIL	Vanadium	33.7		0.24	1.91	mg/Kg
Q2458-06	TP-60	SOIL	Zinc	33.4		0.22	1.91	mg/Kg

Client ID : TP-62

Q2458-07	TP-62	SOIL	Aluminum	3670		0.86	5.13	mg/Kg
Q2458-07	TP-62	SOIL	Arsenic	5.46		0.20	1.03	mg/Kg
Q2458-07	TP-62	SOIL	Barium	19.8		0.75	5.13	mg/Kg
Q2458-07	TP-62	SOIL	Beryllium	0.35		0.026	0.31	mg/Kg
Q2458-07	TP-62	SOIL	Calcium	14600		11.4	103	mg/Kg
Q2458-07	TP-62	SOIL	Chromium	9.01		0.048	0.51	mg/Kg
Q2458-07	TP-62	SOIL	Cobalt	2.15		0.10	1.54	mg/Kg
Q2458-07	TP-62	SOIL	Copper	28.5		0.23	1.03	mg/Kg
Q2458-07	TP-62	SOIL	Iron	22800		4.09	5.13	mg/Kg
Q2458-07	TP-62	SOIL	Lead	24.6		0.13	0.62	mg/Kg
Q2458-07	TP-62	SOIL	Magnesium	4670		12.3	103	mg/Kg
Q2458-07	TP-62	SOIL	Manganese	46.3		0.14	1.03	mg/Kg
Q2458-07	TP-62	SOIL	Mercury	0.025		0.0080	0.014	mg/Kg
Q2458-07	TP-62	SOIL	Nickel	3.89		0.13	2.05	mg/Kg
Q2458-07	TP-62	SOIL	Potassium	469		28.4	103	mg/Kg
Q2458-07	TP-62	SOIL	Selenium	5.15		0.27	1.03	mg/Kg
Q2458-07	TP-62	SOIL	Silver	0.69		0.12	0.51	mg/Kg
Q2458-07	TP-62	SOIL	Sodium	789		18.3	103	mg/Kg
Q2458-07	TP-62	SOIL	Vanadium	23.2		0.26	2.05	mg/Kg
Q2458-07	TP-62	SOIL	Zinc	21.6		0.24	2.05	mg/Kg

Client ID : TP-63

Q2458-08	TP-63	SOIL	Aluminum	6130		0.88	5.26	mg/Kg
Q2458-08	TP-63	SOIL	Arsenic	4.81		0.20	1.05	mg/Kg
Q2458-08	TP-63	SOIL	Barium	15.0		0.77	5.26	mg/Kg
Q2458-08	TP-63	SOIL	Beryllium	0.50		0.026	0.32	mg/Kg
Q2458-08	TP-63	SOIL	Calcium	4590		11.7	105	mg/Kg

Hit Summary Sheet
SW-846

SDG No.:	Q2458	Order ID:	Q2458
Client:	CDM Smith	Project ID:	South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2458-08	TP-63	SOIL	Chromium	11.4		0.049	0.53	mg/Kg
Q2458-08	TP-63	SOIL	Cobalt	3.45		0.11	1.58	mg/Kg
Q2458-08	TP-63	SOIL	Copper	23.6		0.23	1.05	mg/Kg
Q2458-08	TP-63	SOIL	Iron	19500		4.20	5.26	mg/Kg
Q2458-08	TP-63	SOIL	Lead	26.5		0.14	0.63	mg/Kg
Q2458-08	TP-63	SOIL	Magnesium	1370		12.6	105	mg/Kg
Q2458-08	TP-63	SOIL	Manganese	58.3		0.15	1.05	mg/Kg
Q2458-08	TP-63	SOIL	Mercury	0.042		0.0090	0.015	mg/Kg
Q2458-08	TP-63	SOIL	Nickel	6.26		0.14	2.10	mg/Kg
Q2458-08	TP-63	SOIL	Potassium	409		29.1	105	mg/Kg
Q2458-08	TP-63	SOIL	Selenium	4.96		0.27	1.05	mg/Kg
Q2458-08	TP-63	SOIL	Silver	0.88		0.13	0.53	mg/Kg
Q2458-08	TP-63	SOIL	Sodium	460		18.7	105	mg/Kg
Q2458-08	TP-63	SOIL	Vanadium	25.0		0.26	2.10	mg/Kg
Q2458-08	TP-63	SOIL	Zinc	25.6		0.24	2.10	mg/Kg

Client ID : TP-59

Q2458-09	TP-59	SOIL	Aluminum	3850		0.97	5.78	mg/Kg
Q2458-09	TP-59	SOIL	Arsenic	4.05		0.22	1.16	mg/Kg
Q2458-09	TP-59	SOIL	Barium	24.2		0.84	5.78	mg/Kg
Q2458-09	TP-59	SOIL	Beryllium	0.35		0.029	0.35	mg/Kg
Q2458-09	TP-59	SOIL	Calcium	1970		12.8	116	mg/Kg
Q2458-09	TP-59	SOIL	Chromium	7.63		0.054	0.58	mg/Kg
Q2458-09	TP-59	SOIL	Cobalt	1.40	J	0.12	1.73	mg/Kg
Q2458-09	TP-59	SOIL	Copper	32.0		0.25	1.16	mg/Kg
Q2458-09	TP-59	SOIL	Iron	23200		4.61	5.78	mg/Kg
Q2458-09	TP-59	SOIL	Lead	62.4		0.15	0.69	mg/Kg
Q2458-09	TP-59	SOIL	Magnesium	385		13.9	116	mg/Kg
Q2458-09	TP-59	SOIL	Manganese	78.7		0.16	1.16	mg/Kg
Q2458-09	TP-59	SOIL	Mercury	0.090		0.010	0.018	mg/Kg
Q2458-09	TP-59	SOIL	Nickel	3.71		0.15	2.31	mg/Kg
Q2458-09	TP-59	SOIL	Potassium	503		32.0	116	mg/Kg
Q2458-09	TP-59	SOIL	Selenium	5.64		0.30	1.16	mg/Kg
Q2458-09	TP-59	SOIL	Silver	1.02		0.14	0.58	mg/Kg
Q2458-09	TP-59	SOIL	Sodium	173		20.6	116	mg/Kg
Q2458-09	TP-59	SOIL	Thallium	0.53	J	0.27	2.31	mg/Kg
Q2458-09	TP-59	SOIL	Vanadium	17.2		0.29	2.31	mg/Kg
Q2458-09	TP-59	SOIL	Zinc	35.6		0.27	2.31	mg/Kg



SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-76	SDG No.:	Q2458
Lab Sample ID:	Q2458-01	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	9480		1	0.85	5.06	mg/Kg	07/01/25 10:10	07/03/25 14:17	6010D	SW3050
7440-36-0	Antimony	0.22	UN	1	0.22	2.53	mg/Kg	07/01/25 10:10	07/03/25 14:17	6010D	SW3050
7440-38-2	Arsenic	3.70		1	0.19	1.01	mg/Kg	07/01/25 10:10	07/03/25 14:17	6010D	SW3050
7440-39-3	Barium	27.9		1	0.74	5.06	mg/Kg	07/01/25 10:10	07/03/25 14:17	6010D	SW3050
7440-41-7	Beryllium	0.42		1	0.025	0.30	mg/Kg	07/01/25 10:10	07/03/25 14:17	6010D	SW3050
7440-43-9	Cadmium	0.024	U	1	0.024	0.30	mg/Kg	07/01/25 10:10	07/03/25 14:17	6010D	SW3050
7440-70-2	Calcium	331		1	11.2	101	mg/Kg	07/01/25 10:10	07/03/25 14:17	6010D	SW3050
7440-47-3	Chromium	6.84		1	0.048	0.51	mg/Kg	07/01/25 10:10	07/03/25 14:17	6010D	SW3050
7440-48-4	Cobalt	2.49		1	0.10	1.52	mg/Kg	07/01/25 10:10	07/03/25 14:17	6010D	SW3050
7440-50-8	Copper	4.94	N*	1	0.22	1.01	mg/Kg	07/01/25 10:10	07/03/25 14:17	6010D	SW3050
7439-89-6	Iron	12500		1	4.04	5.06	mg/Kg	07/01/25 10:10	07/03/25 14:17	6010D	SW3050
7439-92-1	Lead	22.7		1	0.13	0.61	mg/Kg	07/01/25 10:10	07/03/25 14:17	6010D	SW3050
7439-95-4	Magnesium	247		1	12.2	101	mg/Kg	07/01/25 10:10	07/03/25 14:17	6010D	SW3050
7439-96-5	Manganese	24.9		1	0.14	1.01	mg/Kg	07/01/25 10:10	07/03/25 14:17	6010D	SW3050
7439-97-6	Mercury	0.010	J	1	0.0080	0.014	mg/Kg	07/01/25 14:10	07/02/25 11:23	7471B	
7440-02-0	Nickel	4.26		1	0.13	2.03	mg/Kg	07/01/25 10:10	07/03/25 14:17	6010D	SW3050
7440-09-7	Potassium	247	N	1	28.0	101	mg/Kg	07/01/25 10:10	07/03/25 14:17	6010D	SW3050
7782-49-2	Selenium	0.79	J	1	0.26	1.01	mg/Kg	07/01/25 10:10	07/03/25 14:17	6010D	SW3050
7440-22-4	Silver	0.12	U	1	0.12	0.51	mg/Kg	07/01/25 10:10	07/03/25 14:17	6010D	SW3050
7440-23-5	Sodium	767		1	18.0	101	mg/Kg	07/01/25 10:10	07/03/25 14:17	6010D	SW3050
7440-28-0	Thallium	0.23	U	1	0.23	2.03	mg/Kg	07/01/25 10:10	07/03/25 14:17	6010D	SW3050
7440-62-2	Vanadium	17.6	N	1	0.25	2.03	mg/Kg	07/01/25 10:10	07/03/25 14:17	6010D	SW3050
7440-66-6	Zinc	15.8	N	1	0.23	2.03	mg/Kg	07/01/25 10:10	07/03/25 14:17	6010D	SW3050

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-55	SDG No.:	Q2458
Lab Sample ID:	Q2458-02	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	5480		1	0.74	4.43	mg/Kg	07/01/25 10:10	07/03/25 15:12	6010D	SW3050
7440-36-0	Antimony	0.20	UN	1	0.20	2.21	mg/Kg	07/01/25 10:10	07/03/25 15:12	6010D	SW3050
7440-38-2	Arsenic	3.37		1	0.17	0.89	mg/Kg	07/01/25 10:10	07/03/25 15:12	6010D	SW3050
7440-39-3	Barium	19.8		1	0.65	4.43	mg/Kg	07/01/25 10:10	07/03/25 15:12	6010D	SW3050
7440-41-7	Beryllium	0.46		1	0.022	0.27	mg/Kg	07/01/25 10:10	07/03/25 15:12	6010D	SW3050
7440-43-9	Cadmium	0.021	U	1	0.021	0.27	mg/Kg	07/01/25 10:10	07/03/25 15:12	6010D	SW3050
7440-70-2	Calcium	999		1	9.83	88.6	mg/Kg	07/01/25 10:10	07/03/25 15:12	6010D	SW3050
7440-47-3	Chromium	8.61		1	0.042	0.44	mg/Kg	07/01/25 10:10	07/03/25 15:12	6010D	SW3050
7440-48-4	Cobalt	4.17		1	0.089	1.33	mg/Kg	07/01/25 10:10	07/03/25 15:12	6010D	SW3050
7440-50-8	Copper	22.1	N*	1	0.20	0.89	mg/Kg	07/01/25 10:10	07/03/25 15:12	6010D	SW3050
7439-89-6	Iron	15800		1	3.53	4.43	mg/Kg	07/01/25 10:10	07/03/25 15:12	6010D	SW3050
7439-92-1	Lead	9.31		1	0.12	0.53	mg/Kg	07/01/25 10:10	07/03/25 15:12	6010D	SW3050
7439-95-4	Magnesium	731		1	10.6	88.6	mg/Kg	07/01/25 10:10	07/03/25 15:12	6010D	SW3050
7439-96-5	Manganese	51.6		1	0.12	0.89	mg/Kg	07/01/25 10:10	07/03/25 15:12	6010D	SW3050
7439-97-6	Mercury	0.0080	J	1	0.0080	0.014	mg/Kg	07/01/25 14:10	07/02/25 11:25	7471B	
7440-02-0	Nickel	6.64		1	0.12	1.77	mg/Kg	07/01/25 10:10	07/03/25 15:12	6010D	SW3050
7440-09-7	Potassium	270	N	1	24.5	88.6	mg/Kg	07/01/25 10:10	07/03/25 15:12	6010D	SW3050
7782-49-2	Selenium	3.83		1	0.23	0.89	mg/Kg	07/01/25 10:10	07/03/25 15:12	6010D	SW3050
7440-22-4	Silver	0.47		1	0.11	0.44	mg/Kg	07/01/25 10:10	07/03/25 15:12	6010D	SW3050
7440-23-5	Sodium	358		1	15.8	88.6	mg/Kg	07/01/25 10:10	07/03/25 15:12	6010D	SW3050
7440-28-0	Thallium	0.20	U	1	0.20	1.77	mg/Kg	07/01/25 10:10	07/03/25 15:12	6010D	SW3050
7440-62-2	Vanadium	20.8	N	1	0.22	1.77	mg/Kg	07/01/25 10:10	07/03/25 15:12	6010D	SW3050
7440-66-6	Zinc	32.0	N	1	0.20	1.77	mg/Kg	07/01/25 10:10	07/03/25 15:12	6010D	SW3050

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-68	SDG No.:	Q2458
Lab Sample ID:	Q2458-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	92.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	4030		1	0.83	4.92	mg/Kg	07/01/25 10:10	07/03/25 16:34	6010D	SW3050
7440-36-0	Antimony	0.22	UN	1	0.22	2.46	mg/Kg	07/01/25 10:10	07/03/25 16:34	6010D	SW3050
7440-38-2	Arsenic	1.61		1	0.19	0.99	mg/Kg	07/01/25 10:10	07/03/25 16:34	6010D	SW3050
7440-39-3	Barium	7.39		1	0.72	4.92	mg/Kg	07/01/25 10:10	07/03/25 16:34	6010D	SW3050
7440-41-7	Beryllium	0.13	J	1	0.025	0.30	mg/Kg	07/01/25 10:10	07/03/25 16:34	6010D	SW3050
7440-43-9	Cadmium	0.024	U	1	0.024	0.30	mg/Kg	07/01/25 10:10	07/03/25 16:34	6010D	SW3050
7440-70-2	Calcium	1990		1	10.9	98.5	mg/Kg	07/01/25 10:10	07/03/25 16:34	6010D	SW3050
7440-47-3	Chromium	9.01		1	0.046	0.49	mg/Kg	07/01/25 10:10	07/03/25 16:34	6010D	SW3050
7440-48-4	Cobalt	4.51		1	0.098	1.48	mg/Kg	07/01/25 10:10	07/03/25 16:34	6010D	SW3050
7440-50-8	Copper	45.1	N*	1	0.22	0.99	mg/Kg	07/01/25 10:10	07/03/25 16:34	6010D	SW3050
7439-89-6	Iron	9290		1	3.93	4.92	mg/Kg	07/01/25 10:10	07/03/25 16:34	6010D	SW3050
7439-92-1	Lead	5.32		1	0.13	0.59	mg/Kg	07/01/25 10:10	07/03/25 16:34	6010D	SW3050
7439-95-4	Magnesium	2200		1	11.8	98.5	mg/Kg	07/01/25 10:10	07/03/25 16:34	6010D	SW3050
7439-96-5	Manganese	65.0		1	0.14	0.99	mg/Kg	07/01/25 10:10	07/03/25 16:34	6010D	SW3050
7439-97-6	Mercury	0.050		1	0.0070	0.013	mg/Kg	07/01/25 14:10	07/02/25 11:42	7471B	
7440-02-0	Nickel	9.84		1	0.13	1.97	mg/Kg	07/01/25 10:10	07/03/25 16:34	6010D	SW3050
7440-09-7	Potassium	521	N	1	27.3	98.5	mg/Kg	07/01/25 10:10	07/03/25 16:34	6010D	SW3050
7782-49-2	Selenium	2.38		1	0.26	0.99	mg/Kg	07/01/25 10:10	07/03/25 16:34	6010D	SW3050
7440-22-4	Silver	0.37	J	1	0.12	0.49	mg/Kg	07/01/25 10:10	07/03/25 16:34	6010D	SW3050
7440-23-5	Sodium	582		1	17.5	98.5	mg/Kg	07/01/25 10:10	07/03/25 16:34	6010D	SW3050
7440-28-0	Thallium	0.23	U	1	0.23	1.97	mg/Kg	07/01/25 10:10	07/03/25 16:34	6010D	SW3050
7440-62-2	Vanadium	20.1	N	1	0.25	1.97	mg/Kg	07/01/25 10:10	07/03/25 16:34	6010D	SW3050
7440-66-6	Zinc	12.9	N	1	0.23	1.97	mg/Kg	07/01/25 10:10	07/03/25 16:34	6010D	SW3050

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-67	SDG No.:	Q2458
Lab Sample ID:	Q2458-04	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	3970		1	0.85	5.04	mg/Kg	07/01/25 10:10	07/03/25 15:16	6010D	SW3050
7440-36-0	Antimony	0.22	UN	1	0.22	2.52	mg/Kg	07/01/25 10:10	07/03/25 15:16	6010D	SW3050
7440-38-2	Arsenic	5.78		1	0.19	1.01	mg/Kg	07/01/25 10:10	07/03/25 15:16	6010D	SW3050
7440-39-3	Barium	6.65		1	0.74	5.04	mg/Kg	07/01/25 10:10	07/03/25 15:16	6010D	SW3050
7440-41-7	Beryllium	0.47		1	0.025	0.30	mg/Kg	07/01/25 10:10	07/03/25 15:16	6010D	SW3050
7440-43-9	Cadmium	0.024	U	1	0.024	0.30	mg/Kg	07/01/25 10:10	07/03/25 15:16	6010D	SW3050
7440-70-2	Calcium	443		1	11.2	101	mg/Kg	07/01/25 10:10	07/03/25 15:16	6010D	SW3050
7440-47-3	Chromium	20.2		1	0.047	0.50	mg/Kg	07/01/25 10:10	07/03/25 15:16	6010D	SW3050
7440-48-4	Cobalt	1.89		1	0.10	1.51	mg/Kg	07/01/25 10:10	07/03/25 15:16	6010D	SW3050
7440-50-8	Copper	25.4	N*	1	0.22	1.01	mg/Kg	07/01/25 10:10	07/03/25 15:16	6010D	SW3050
7439-89-6	Iron	27900		1	4.03	5.04	mg/Kg	07/01/25 10:10	07/03/25 15:16	6010D	SW3050
7439-92-1	Lead	8.85		1	0.13	0.61	mg/Kg	07/01/25 10:10	07/03/25 15:16	6010D	SW3050
7439-95-4	Magnesium	241		1	12.1	101	mg/Kg	07/01/25 10:10	07/03/25 15:16	6010D	SW3050
7439-96-5	Manganese	34.8		1	0.14	1.01	mg/Kg	07/01/25 10:10	07/03/25 15:16	6010D	SW3050
7439-97-6	Mercury	0.016		1	0.0080	0.014	mg/Kg	07/01/25 14:10	07/02/25 11:44	7471B	
7440-02-0	Nickel	3.55		1	0.13	2.02	mg/Kg	07/01/25 10:10	07/03/25 15:16	6010D	SW3050
7440-09-7	Potassium	274	N	1	27.9	101	mg/Kg	07/01/25 10:10	07/03/25 15:16	6010D	SW3050
7782-49-2	Selenium	6.91		1	0.26	1.01	mg/Kg	07/01/25 10:10	07/03/25 15:16	6010D	SW3050
7440-22-4	Silver	0.83		1	0.12	0.50	mg/Kg	07/01/25 10:10	07/03/25 15:16	6010D	SW3050
7440-23-5	Sodium	31.5	J	1	18.0	101	mg/Kg	07/01/25 10:10	07/03/25 15:16	6010D	SW3050
7440-28-0	Thallium	0.64	J	1	0.23	2.02	mg/Kg	07/01/25 10:10	07/03/25 15:16	6010D	SW3050
7440-62-2	Vanadium	22.2	N	1	0.25	2.02	mg/Kg	07/01/25 10:10	07/03/25 15:16	6010D	SW3050
7440-66-6	Zinc	15.8	N	1	0.23	2.02	mg/Kg	07/01/25 10:10	07/03/25 15:16	6010D	SW3050

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

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 D = Dilution
 Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 * = indicates the duplicate analysis is not within control limits.
 E = Indicates the reported value is estimated because of the presence of interference.
 OR = Over Range
 N =Spiked sample recovery not within control limits

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-66	SDG No.:	Q2458
Lab Sample ID:	Q2458-05	Matrix:	SOIL
Level (low/med):	low	% Solid:	88.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	2430		1	0.91	5.39	mg/Kg	07/01/25 10:10	07/03/25 15:20	6010D	SW3050
7440-36-0	Antimony	0.24	UN	1	0.24	2.70	mg/Kg	07/01/25 10:10	07/03/25 15:20	6010D	SW3050
7440-38-2	Arsenic	5.43		1	0.21	1.08	mg/Kg	07/01/25 10:10	07/03/25 15:20	6010D	SW3050
7440-39-3	Barium	9.75		1	0.79	5.39	mg/Kg	07/01/25 10:10	07/03/25 15:20	6010D	SW3050
7440-41-7	Beryllium	0.37		1	0.027	0.32	mg/Kg	07/01/25 10:10	07/03/25 15:20	6010D	SW3050
7440-43-9	Cadmium	0.026	U	1	0.026	0.32	mg/Kg	07/01/25 10:10	07/03/25 15:20	6010D	SW3050
7440-70-2	Calcium	598		1	12.0	108	mg/Kg	07/01/25 10:10	07/03/25 15:20	6010D	SW3050
7440-47-3	Chromium	9.03		1	0.051	0.54	mg/Kg	07/01/25 10:10	07/03/25 15:20	6010D	SW3050
7440-48-4	Cobalt	1.06	J	1	0.11	1.62	mg/Kg	07/01/25 10:10	07/03/25 15:20	6010D	SW3050
7440-50-8	Copper	23.2	N*	1	0.24	1.08	mg/Kg	07/01/25 10:10	07/03/25 15:20	6010D	SW3050
7439-89-6	Iron	21800		1	4.30	5.39	mg/Kg	07/01/25 10:10	07/03/25 15:20	6010D	SW3050
7439-92-1	Lead	16.8		1	0.14	0.65	mg/Kg	07/01/25 10:10	07/03/25 15:20	6010D	SW3050
7439-95-4	Magnesium	258		1	12.9	108	mg/Kg	07/01/25 10:10	07/03/25 15:20	6010D	SW3050
7439-96-5	Manganese	54.0		1	0.15	1.08	mg/Kg	07/01/25 10:10	07/03/25 15:20	6010D	SW3050
7439-97-6	Mercury	0.016		1	0.0080	0.014	mg/Kg	07/01/25 14:10	07/02/25 11:47	7471B	
7440-02-0	Nickel	2.15	J	1	0.14	2.16	mg/Kg	07/01/25 10:10	07/03/25 15:20	6010D	SW3050
7440-09-7	Potassium	403	N	1	29.9	108	mg/Kg	07/01/25 10:10	07/03/25 15:20	6010D	SW3050
7782-49-2	Selenium	5.20		1	0.28	1.08	mg/Kg	07/01/25 10:10	07/03/25 15:20	6010D	SW3050
7440-22-4	Silver	0.64		1	0.13	0.54	mg/Kg	07/01/25 10:10	07/03/25 15:20	6010D	SW3050
7440-23-5	Sodium	195		1	19.2	108	mg/Kg	07/01/25 10:10	07/03/25 15:20	6010D	SW3050
7440-28-0	Thallium	0.39	J	1	0.25	2.16	mg/Kg	07/01/25 10:10	07/03/25 15:20	6010D	SW3050
7440-62-2	Vanadium	19.5	N	1	0.27	2.16	mg/Kg	07/01/25 10:10	07/03/25 15:20	6010D	SW3050
7440-66-6	Zinc	16.6	N	1	0.25	2.16	mg/Kg	07/01/25 10:10	07/03/25 15:20	6010D	SW3050

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

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 D = Dilution
 Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 * = indicates the duplicate analysis is not within control limits.
 E = Indicates the reported value is estimated because of the presence of interference.
 OR = Over Range
 N =Spiked sample recovery not within control limits

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-60	SDG No.:	Q2458
Lab Sample ID:	Q2458-06	Matrix:	SOIL
Level (low/med):	low	% Solid:	92.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	4300		1	0.80	4.78	mg/Kg	07/01/25 10:10	07/03/25 15:24	6010D	SW3050
7440-36-0	Antimony	0.21	UN	1	0.21	2.39	mg/Kg	07/01/25 10:10	07/03/25 15:24	6010D	SW3050
7440-38-2	Arsenic	9.45		1	0.18	0.96	mg/Kg	07/01/25 10:10	07/03/25 15:24	6010D	SW3050
7440-39-3	Barium	13.1		1	0.70	4.78	mg/Kg	07/01/25 10:10	07/03/25 15:24	6010D	SW3050
7440-41-7	Beryllium	0.75		1	0.024	0.29	mg/Kg	07/01/25 10:10	07/03/25 15:24	6010D	SW3050
7440-43-9	Cadmium	0.023	U	1	0.023	0.29	mg/Kg	07/01/25 10:10	07/03/25 15:24	6010D	SW3050
7440-70-2	Calcium	1190		1	10.6	95.7	mg/Kg	07/01/25 10:10	07/03/25 15:24	6010D	SW3050
7440-47-3	Chromium	29.6		1	0.045	0.48	mg/Kg	07/01/25 10:10	07/03/25 15:24	6010D	SW3050
7440-48-4	Cobalt	2.92		1	0.096	1.44	mg/Kg	07/01/25 10:10	07/03/25 15:24	6010D	SW3050
7440-50-8	Copper	35.2	N*	1	0.21	0.96	mg/Kg	07/01/25 10:10	07/03/25 15:24	6010D	SW3050
7439-89-6	Iron	31500		1	3.82	4.78	mg/Kg	07/01/25 10:10	07/03/25 15:24	6010D	SW3050
7439-92-1	Lead	23.4		1	0.12	0.57	mg/Kg	07/01/25 10:10	07/03/25 15:24	6010D	SW3050
7439-95-4	Magnesium	678		1	11.5	95.7	mg/Kg	07/01/25 10:10	07/03/25 15:24	6010D	SW3050
7439-96-5	Manganese	43.3		1	0.13	0.96	mg/Kg	07/01/25 10:10	07/03/25 15:24	6010D	SW3050
7439-97-6	Mercury	0.036		1	0.0070	0.013	mg/Kg	07/01/25 14:10	07/02/25 11:49	7471B	
7440-02-0	Nickel	5.05		1	0.12	1.91	mg/Kg	07/01/25 10:10	07/03/25 15:24	6010D	SW3050
7440-09-7	Potassium	441	N	1	26.5	95.7	mg/Kg	07/01/25 10:10	07/03/25 15:24	6010D	SW3050
7782-49-2	Selenium	7.12		1	0.25	0.96	mg/Kg	07/01/25 10:10	07/03/25 15:24	6010D	SW3050
7440-22-4	Silver	0.78		1	0.12	0.48	mg/Kg	07/01/25 10:10	07/03/25 15:24	6010D	SW3050
7440-23-5	Sodium	88.5	J	1	17.0	95.7	mg/Kg	07/01/25 10:10	07/03/25 15:24	6010D	SW3050
7440-28-0	Thallium	0.35	J	1	0.22	1.91	mg/Kg	07/01/25 10:10	07/03/25 15:24	6010D	SW3050
7440-62-2	Vanadium	33.7	N	1	0.24	1.91	mg/Kg	07/01/25 10:10	07/03/25 15:24	6010D	SW3050
7440-66-6	Zinc	33.4	N	1	0.22	1.91	mg/Kg	07/01/25 10:10	07/03/25 15:24	6010D	SW3050

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-62	SDG No.:	Q2458
Lab Sample ID:	Q2458-07	Matrix:	SOIL
Level (low/med):	low	% Solid:	91.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	3670		1	0.86	5.13	mg/Kg	07/01/25 10:10	07/03/25 15:29	6010D	SW3050
7440-36-0	Antimony	0.23	UN	1	0.23	2.56	mg/Kg	07/01/25 10:10	07/03/25 15:29	6010D	SW3050
7440-38-2	Arsenic	5.46		1	0.20	1.03	mg/Kg	07/01/25 10:10	07/03/25 15:29	6010D	SW3050
7440-39-3	Barium	19.8		1	0.75	5.13	mg/Kg	07/01/25 10:10	07/03/25 15:29	6010D	SW3050
7440-41-7	Beryllium	0.35		1	0.026	0.31	mg/Kg	07/01/25 10:10	07/03/25 15:29	6010D	SW3050
7440-43-9	Cadmium	0.025	U	1	0.025	0.31	mg/Kg	07/01/25 10:10	07/03/25 15:29	6010D	SW3050
7440-70-2	Calcium	14600		1	11.4	103	mg/Kg	07/01/25 10:10	07/03/25 15:29	6010D	SW3050
7440-47-3	Chromium	9.01		1	0.048	0.51	mg/Kg	07/01/25 10:10	07/03/25 15:29	6010D	SW3050
7440-48-4	Cobalt	2.15		1	0.10	1.54	mg/Kg	07/01/25 10:10	07/03/25 15:29	6010D	SW3050
7440-50-8	Copper	28.5	N*	1	0.23	1.03	mg/Kg	07/01/25 10:10	07/03/25 15:29	6010D	SW3050
7439-89-6	Iron	22800		1	4.09	5.13	mg/Kg	07/01/25 10:10	07/03/25 15:29	6010D	SW3050
7439-92-1	Lead	24.6		1	0.13	0.62	mg/Kg	07/01/25 10:10	07/03/25 15:29	6010D	SW3050
7439-95-4	Magnesium	4670		1	12.3	103	mg/Kg	07/01/25 10:10	07/03/25 15:29	6010D	SW3050
7439-96-5	Manganese	46.3		1	0.14	1.03	mg/Kg	07/01/25 10:10	07/03/25 15:29	6010D	SW3050
7439-97-6	Mercury	0.025		1	0.0080	0.014	mg/Kg	07/01/25 14:10	07/02/25 11:51	7471B	
7440-02-0	Nickel	3.89		1	0.13	2.05	mg/Kg	07/01/25 10:10	07/03/25 15:29	6010D	SW3050
7440-09-7	Potassium	469	N	1	28.4	103	mg/Kg	07/01/25 10:10	07/03/25 15:29	6010D	SW3050
7782-49-2	Selenium	5.15		1	0.27	1.03	mg/Kg	07/01/25 10:10	07/03/25 15:29	6010D	SW3050
7440-22-4	Silver	0.69		1	0.12	0.51	mg/Kg	07/01/25 10:10	07/03/25 15:29	6010D	SW3050
7440-23-5	Sodium	789		1	18.3	103	mg/Kg	07/01/25 10:10	07/03/25 15:29	6010D	SW3050
7440-28-0	Thallium	0.24	U	1	0.24	2.05	mg/Kg	07/01/25 10:10	07/03/25 15:29	6010D	SW3050
7440-62-2	Vanadium	23.2	N	1	0.26	2.05	mg/Kg	07/01/25 10:10	07/03/25 15:29	6010D	SW3050
7440-66-6	Zinc	21.6	N	1	0.24	2.05	mg/Kg	07/01/25 10:10	07/03/25 15:29	6010D	SW3050

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-63	SDG No.:	Q2458
Lab Sample ID:	Q2458-08	Matrix:	SOIL
Level (low/med):	low	% Solid:	86.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	6130		1	0.88	5.26	mg/Kg	07/01/25 10:10	07/03/25 17:10	6010D	SW3050
7440-36-0	Antimony	0.23	UN	1	0.23	2.63	mg/Kg	07/01/25 10:10	07/03/25 17:10	6010D	SW3050
7440-38-2	Arsenic	4.81		1	0.20	1.05	mg/Kg	07/01/25 10:10	07/03/25 17:10	6010D	SW3050
7440-39-3	Barium	15.0		1	0.77	5.26	mg/Kg	07/01/25 10:10	07/03/25 17:10	6010D	SW3050
7440-41-7	Beryllium	0.50		1	0.026	0.32	mg/Kg	07/01/25 10:10	07/03/25 17:10	6010D	SW3050
7440-43-9	Cadmium	0.025	U	1	0.025	0.32	mg/Kg	07/01/25 10:10	07/03/25 17:10	6010D	SW3050
7440-70-2	Calcium	4590		1	11.7	105	mg/Kg	07/01/25 10:10	07/03/25 17:10	6010D	SW3050
7440-47-3	Chromium	11.4		1	0.049	0.53	mg/Kg	07/01/25 10:10	07/03/25 17:10	6010D	SW3050
7440-48-4	Cobalt	3.45		1	0.11	1.58	mg/Kg	07/01/25 10:10	07/03/25 17:10	6010D	SW3050
7440-50-8	Copper	23.6	N*	1	0.23	1.05	mg/Kg	07/01/25 10:10	07/03/25 17:10	6010D	SW3050
7439-89-6	Iron	19500		1	4.20	5.26	mg/Kg	07/01/25 10:10	07/03/25 17:10	6010D	SW3050
7439-92-1	Lead	26.5		1	0.14	0.63	mg/Kg	07/01/25 10:10	07/03/25 17:10	6010D	SW3050
7439-95-4	Magnesium	1370		1	12.6	105	mg/Kg	07/01/25 10:10	07/03/25 17:10	6010D	SW3050
7439-96-5	Manganese	58.3		1	0.15	1.05	mg/Kg	07/01/25 10:10	07/03/25 17:10	6010D	SW3050
7439-97-6	Mercury	0.042		1	0.0090	0.015	mg/Kg	07/01/25 14:10	07/02/25 11:54	7471B	
7440-02-0	Nickel	6.26		1	0.14	2.10	mg/Kg	07/01/25 10:10	07/03/25 17:10	6010D	SW3050
7440-09-7	Potassium	409	N	1	29.1	105	mg/Kg	07/01/25 10:10	07/03/25 17:10	6010D	SW3050
7782-49-2	Selenium	4.96		1	0.27	1.05	mg/Kg	07/01/25 10:10	07/03/25 17:10	6010D	SW3050
7440-22-4	Silver	0.88		1	0.13	0.53	mg/Kg	07/01/25 10:10	07/03/25 17:10	6010D	SW3050
7440-23-5	Sodium	460		1	18.7	105	mg/Kg	07/01/25 10:10	07/03/25 17:10	6010D	SW3050
7440-28-0	Thallium	0.24	U	1	0.24	2.10	mg/Kg	07/01/25 10:10	07/03/25 17:10	6010D	SW3050
7440-62-2	Vanadium	25.0	N	1	0.26	2.10	mg/Kg	07/01/25 10:10	07/03/25 17:10	6010D	SW3050
7440-66-6	Zinc	25.6	N	1	0.24	2.10	mg/Kg	07/01/25 10:10	07/03/25 17:10	6010D	SW3050

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-59	SDG No.:	Q2458
Lab Sample ID:	Q2458-09	Matrix:	SOIL
Level (low/med):	low	% Solid:	76.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	3850		1	0.97	5.78	mg/Kg	07/01/25 10:10	07/03/25 17:14	6010D	SW3050
7440-36-0	Antimony	0.25	UN	1	0.25	2.89	mg/Kg	07/01/25 10:10	07/03/25 17:14	6010D	SW3050
7440-38-2	Arsenic	4.05		1	0.22	1.16	mg/Kg	07/01/25 10:10	07/03/25 17:14	6010D	SW3050
7440-39-3	Barium	24.2		1	0.84	5.78	mg/Kg	07/01/25 10:10	07/03/25 17:14	6010D	SW3050
7440-41-7	Beryllium	0.35		1	0.029	0.35	mg/Kg	07/01/25 10:10	07/03/25 17:14	6010D	SW3050
7440-43-9	Cadmium	0.028	U	1	0.028	0.35	mg/Kg	07/01/25 10:10	07/03/25 17:14	6010D	SW3050
7440-70-2	Calcium	1970		1	12.8	116	mg/Kg	07/01/25 10:10	07/03/25 17:14	6010D	SW3050
7440-47-3	Chromium	7.63		1	0.054	0.58	mg/Kg	07/01/25 10:10	07/03/25 17:14	6010D	SW3050
7440-48-4	Cobalt	1.40	J	1	0.12	1.73	mg/Kg	07/01/25 10:10	07/03/25 17:14	6010D	SW3050
7440-50-8	Copper	32.0	N*	1	0.25	1.16	mg/Kg	07/01/25 10:10	07/03/25 17:14	6010D	SW3050
7439-89-6	Iron	23200		1	4.61	5.78	mg/Kg	07/01/25 10:10	07/03/25 17:14	6010D	SW3050
7439-92-1	Lead	62.4		1	0.15	0.69	mg/Kg	07/01/25 10:10	07/03/25 17:14	6010D	SW3050
7439-95-4	Magnesium	385		1	13.9	116	mg/Kg	07/01/25 10:10	07/03/25 17:14	6010D	SW3050
7439-96-5	Manganese	78.7		1	0.16	1.16	mg/Kg	07/01/25 10:10	07/03/25 17:14	6010D	SW3050
7439-97-6	Mercury	0.090		1	0.010	0.018	mg/Kg	07/01/25 14:10	07/02/25 11:56	7471B	
7440-02-0	Nickel	3.71		1	0.15	2.31	mg/Kg	07/01/25 10:10	07/03/25 17:14	6010D	SW3050
7440-09-7	Potassium	503	N	1	32.0	116	mg/Kg	07/01/25 10:10	07/03/25 17:14	6010D	SW3050
7782-49-2	Selenium	5.64		1	0.30	1.16	mg/Kg	07/01/25 10:10	07/03/25 17:14	6010D	SW3050
7440-22-4	Silver	1.02		1	0.14	0.58	mg/Kg	07/01/25 10:10	07/03/25 17:14	6010D	SW3050
7440-23-5	Sodium	173		1	20.6	116	mg/Kg	07/01/25 10:10	07/03/25 17:14	6010D	SW3050
7440-28-0	Thallium	0.53	J	1	0.27	2.31	mg/Kg	07/01/25 10:10	07/03/25 17:14	6010D	SW3050
7440-62-2	Vanadium	17.2	N	1	0.29	2.31	mg/Kg	07/01/25 10:10	07/03/25 17:14	6010D	SW3050
7440-66-6	Zinc	35.6	N	1	0.27	2.31	mg/Kg	07/01/25 10:10	07/03/25 17:14	6010D	SW3050

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

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 D = Dilution
 Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 * = indicates the duplicate analysis is not within control limits.
 E = Indicates the reported value is estimated because of the presence of interference.
 OR = Over Range
 N =Spiked sample recovery not within control limits

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	FB-06272025	SDG No.:	Q2458
Lab Sample ID:	Q2458-10	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	5.67	UN	1	5.67	50.0	ug/L	07/01/25 10:05	07/03/25 15:04	6010D	SW3010
7440-36-0	Antimony	3.38	U	1	3.38	25.0	ug/L	07/01/25 10:05	07/03/25 15:04	6010D	SW3010
7440-38-2	Arsenic	2.56	U	1	2.56	10.0	ug/L	07/01/25 10:05	07/03/25 15:04	6010D	SW3010
7440-39-3	Barium	7.28	U	1	7.28	50.0	ug/L	07/01/25 10:05	07/03/25 15:04	6010D	SW3010
7440-41-7	Beryllium	0.28	U	1	0.28	3.00	ug/L	07/01/25 10:05	07/03/25 15:04	6010D	SW3010
7440-43-9	Cadmium	0.25	U	1	0.25	3.00	ug/L	07/01/25 10:05	07/03/25 15:04	6010D	SW3010
7440-70-2	Calcium	117	U	1	117	1000	ug/L	07/01/25 10:05	07/03/25 15:04	6010D	SW3010
7440-47-3	Chromium	1.06	U	1	1.06	5.00	ug/L	07/01/25 10:05	07/03/25 15:04	6010D	SW3010
7440-48-4	Cobalt	1.13	U	1	1.13	15.0	ug/L	07/01/25 10:05	07/03/25 15:04	6010D	SW3010
7440-50-8	Copper	2.30	U	1	2.30	10.0	ug/L	07/01/25 10:05	07/03/25 15:04	6010D	SW3010
7439-89-6	Iron	11.7	U	1	11.7	50.0	ug/L	07/01/25 10:05	07/03/25 15:04	6010D	SW3010
7439-92-1	Lead	1.15	U	1	1.15	6.00	ug/L	07/01/25 10:05	07/03/25 15:04	6010D	SW3010
7439-95-4	Magnesium	122	U	1	122	1000	ug/L	07/01/25 10:05	07/03/25 15:04	6010D	SW3010
7439-96-5	Manganese	2.97	U	1	2.97	10.0	ug/L	07/01/25 10:05	07/03/25 15:04	6010D	SW3010
7439-97-6	Mercury	0.076	U	1	0.076	0.20	ug/L	07/01/25 08:25	07/01/25 12:35	7470A	
7440-02-0	Nickel	1.53	U	1	1.53	20.0	ug/L	07/01/25 10:05	07/03/25 15:04	6010D	SW3010
7440-09-7	Potassium	459	U	1	459	1000	ug/L	07/01/25 10:05	07/03/25 15:04	6010D	SW3010
7782-49-2	Selenium	4.82	U	1	4.82	10.0	ug/L	07/01/25 10:05	07/03/25 15:04	6010D	SW3010
7440-22-4	Silver	0.81	UN*	1	0.81	5.00	ug/L	07/01/25 10:05	07/03/25 15:04	6010D	SW3010
7440-23-5	Sodium	434	U	1	434	1000	ug/L	07/01/25 10:05	07/03/25 15:04	6010D	SW3010
7440-28-0	Thallium	2.19	U	1	2.19	20.0	ug/L	07/01/25 10:05	07/03/25 15:04	6010D	SW3010
7440-62-2	Vanadium	3.13	U	1	3.13	20.0	ug/L	07/01/25 10:05	07/03/25 15:04	6010D	SW3010
7440-66-6	Zinc	8.33	U	1	8.33	20.0	ug/L	07/01/25 10:05	07/03/25 15:04	6010D	SW3010

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	METALS-TAL			

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 D = Dilution
 Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 * = indicates the duplicate analysis is not within control limits.
 E = Indicates the reported value is estimated because of the presence of interference.
 OR = Over Range
 N = Spiked sample recovery not within control limits



METAL CALIBRATION DATA

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith

SDG No.: Q2458

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
ICV13	Mercury	3.97	4.0	99	90 - 110	CV	07/01/2025	11:43	LB136337

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith

SDG No.: Q2458

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
CCV40	Mercury	4.59	5.0	92	90 - 110	CV	07/01/2025	11:47	LB136337
CCV41	Mercury	4.57	5.0	91	90 - 110	CV	07/01/2025	12:17	LB136337
CCV42	Mercury	4.66	5.0	93	90 - 110	CV	07/01/2025	12:47	LB136337
CCV43	Mercury	4.95	5.0	99	90 - 110	CV	07/01/2025	13:10	LB136337

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith

SDG No.: Q2458

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
ICV14	Mercury	4.14	4.0	104	90 - 110	CV	07/02/2025	10:33	LB136352

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith

SDG No.: Q2458

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
CCV44	Mercury	4.97	5.0	99	90 - 110	CV	07/02/2025	10:44	LB136352
CCV45	Mercury	4.56	5.0	91	90 - 110	CV	07/02/2025	11:35	LB136352
CCV46	Mercury	4.83	5.0	97	90 - 110	CV	07/02/2025	12:37	LB136352
CCV47	Mercury	4.94	5.0	99	90 - 110	CV	07/02/2025	13:18	LB136352

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith

SDG No.: Q2458

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	7680	8000	96	90 - 110	P	07/03/2025	12:13	LB136371
	Antimony	4150	4000	104	90 - 110	P	07/03/2025	12:13	LB136371
	Arsenic	4040	4000	101	90 - 110	P	07/03/2025	12:13	LB136371
	Barium	7550	8000	94	90 - 110	P	07/03/2025	12:13	LB136371
	Beryllium	189	200	94	90 - 110	P	07/03/2025	12:13	LB136371
	Cadmium	2020	2000	101	90 - 110	P	07/03/2025	12:13	LB136371
	Calcium	19000	20000	95	90 - 110	P	07/03/2025	12:13	LB136371
	Chromium	777	800	97	90 - 110	P	07/03/2025	12:13	LB136371
	Cobalt	2000	2000	100	90 - 110	P	07/03/2025	12:13	LB136371
	Copper	1010	1000	101	90 - 110	P	07/03/2025	12:13	LB136371
	Iron	3740	4000	94	90 - 110	P	07/03/2025	12:13	LB136371
	Lead	3950	4000	99	90 - 110	P	07/03/2025	12:13	LB136371
	Magnesium	19000	20000	95	90 - 110	P	07/03/2025	12:13	LB136371
	Manganese	1920	2000	96	90 - 110	P	07/03/2025	12:13	LB136371
	Nickel	1990	2000	100	90 - 110	P	07/03/2025	12:13	LB136371
	Potassium	18800	20000	94	90 - 110	P	07/03/2025	12:13	LB136371
	Selenium	4090	4000	102	90 - 110	P	07/03/2025	12:13	LB136371
	Silver	957	1000	96	90 - 110	P	07/03/2025	12:13	LB136371
	Sodium	19000	20000	95	90 - 110	P	07/03/2025	12:13	LB136371
	Thallium	3870	4000	97	90 - 110	P	07/03/2025	12:13	LB136371
	Vanadium	1920	2000	96	90 - 110	P	07/03/2025	12:13	LB136371
	Zinc	1910	2000	96	90 - 110	P	07/03/2025	12:13	LB136371

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith

SDG No.: Q2458

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	96.3	100	96	80 - 120	P	07/03/2025	12:17	LB136371
	Antimony	51.7	50.0	104	80 - 120	P	07/03/2025	12:17	LB136371
	Arsenic	19.9	20.0	99	80 - 120	P	07/03/2025	12:17	LB136371
	Barium	81.5	100	82	80 - 120	P	07/03/2025	12:17	LB136371
	Beryllium	5.83	6.0	97	80 - 120	P	07/03/2025	12:17	LB136371
	Cadmium	5.43	6.0	91	80 - 120	P	07/03/2025	12:17	LB136371
	Calcium	1940	2000	97	80 - 120	P	07/03/2025	12:17	LB136371
	Chromium	10.5	10.0	105	80 - 120	P	07/03/2025	12:17	LB136371
	Cobalt	29.1	30.0	97	80 - 120	P	07/03/2025	12:17	LB136371
	Copper	20.7	20.0	104	80 - 120	P	07/03/2025	12:17	LB136371
	Iron	106	100	106	80 - 120	P	07/03/2025	12:17	LB136371
	Lead	10.4	12.0	87	80 - 120	P	07/03/2025	12:17	LB136371
	Magnesium	2010	2000	101	80 - 120	P	07/03/2025	12:17	LB136371
	Manganese	20.7	20.0	103	80 - 120	P	07/03/2025	12:17	LB136371
	Nickel	39.9	40.0	100	80 - 120	P	07/03/2025	12:17	LB136371
	Potassium	1870	2000	94	80 - 120	P	07/03/2025	12:17	LB136371
	Selenium	22.6	20.0	113	80 - 120	P	07/03/2025	12:17	LB136371
	Silver	9.90	10.0	99	80 - 120	P	07/03/2025	12:17	LB136371
	Sodium	1960	2000	98	80 - 120	P	07/03/2025	12:17	LB136371
	Thallium	40.9	40.0	102	80 - 120	P	07/03/2025	12:17	LB136371
	Vanadium	38.3	40.0	96	80 - 120	P	07/03/2025	12:17	LB136371
	Zinc	40.6	40.0	102	80 - 120	P	07/03/2025	12:17	LB136371

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith

SDG No.: Q2458

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	9790	10000	98	90 - 110	P	07/03/2025	13:23	LB136371
	Antimony	5110	5000	102	90 - 110	P	07/03/2025	13:23	LB136371
	Arsenic	5100	5000	102	90 - 110	P	07/03/2025	13:23	LB136371
	Barium	9600	10000	96	90 - 110	P	07/03/2025	13:23	LB136371
	Beryllium	236	250	94	90 - 110	P	07/03/2025	13:23	LB136371
	Cadmium	2520	2500	101	90 - 110	P	07/03/2025	13:23	LB136371
	Calcium	24500	25000	98	90 - 110	P	07/03/2025	13:23	LB136371
	Chromium	1010	1000	101	90 - 110	P	07/03/2025	13:23	LB136371
	Cobalt	2500	2500	100	90 - 110	P	07/03/2025	13:23	LB136371
	Copper	1270	1250	101	90 - 110	P	07/03/2025	13:23	LB136371
	Iron	5070	5000	101	90 - 110	P	07/03/2025	13:23	LB136371
	Lead	4970	5000	100	90 - 110	P	07/03/2025	13:23	LB136371
	Magnesium	24200	25000	97	90 - 110	P	07/03/2025	13:23	LB136371
	Manganese	2460	2500	98	90 - 110	P	07/03/2025	13:23	LB136371
	Nickel	2540	2500	102	90 - 110	P	07/03/2025	13:23	LB136371
	Potassium	24600	25000	98	90 - 110	P	07/03/2025	13:23	LB136371
	Selenium	5180	5000	104	90 - 110	P	07/03/2025	13:23	LB136371
	Silver	1210	1250	97	90 - 110	P	07/03/2025	13:23	LB136371
	Sodium	24900	25000	100	90 - 110	P	07/03/2025	13:23	LB136371
	Thallium	4860	5000	97	90 - 110	P	07/03/2025	13:23	LB136371
	Vanadium	2440	2500	98	90 - 110	P	07/03/2025	13:23	LB136371
	Zinc	2450	2500	98	90 - 110	P	07/03/2025	13:23	LB136371
CCV02	Aluminum	9680	10000	97	90 - 110	P	07/03/2025	14:25	LB136371
	Antimony	5120	5000	102	90 - 110	P	07/03/2025	14:25	LB136371
	Arsenic	5040	5000	101	90 - 110	P	07/03/2025	14:25	LB136371
	Barium	9400	10000	94	90 - 110	P	07/03/2025	14:25	LB136371
	Beryllium	232	250	93	90 - 110	P	07/03/2025	14:25	LB136371
	Cadmium	2480	2500	99	90 - 110	P	07/03/2025	14:25	LB136371
	Calcium	23800	25000	95	90 - 110	P	07/03/2025	14:25	LB136371
	Chromium	993	1000	99	90 - 110	P	07/03/2025	14:25	LB136371
	Cobalt	2480	2500	99	90 - 110	P	07/03/2025	14:25	LB136371
	Copper	1260	1250	100	90 - 110	P	07/03/2025	14:25	LB136371
	Iron	4900	5000	98	90 - 110	P	07/03/2025	14:25	LB136371
	Lead	4910	5000	98	90 - 110	P	07/03/2025	14:25	LB136371

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith

SDG No.: Q2458

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	23600	25000	94	90 - 110	P	07/03/2025	14:25	LB136371
	Manganese	2480	2500	99	90 - 110	P	07/03/2025	14:25	LB136371
	Nickel	2510	2500	100	90 - 110	P	07/03/2025	14:25	LB136371
	Potassium	22500	25000	90	90 - 110	P	07/03/2025	14:25	LB136371
	Selenium	5160	5000	103	90 - 110	P	07/03/2025	14:25	LB136371
	Silver	1200	1250	96	90 - 110	P	07/03/2025	14:25	LB136371
	Sodium	22800	25000	91	90 - 110	P	07/03/2025	14:25	LB136371
	Thallium	5060	5000	101	90 - 110	P	07/03/2025	14:25	LB136371
	Vanadium	2390	2500	96	90 - 110	P	07/03/2025	14:25	LB136371
	Zinc	2420	2500	97	90 - 110	P	07/03/2025	14:25	LB136371
CCV03	Aluminum	9490	10000	95	90 - 110	P	07/03/2025	16:03	LB136371
	Antimony	5070	5000	101	90 - 110	P	07/03/2025	16:03	LB136371
	Arsenic	4930	5000	99	90 - 110	P	07/03/2025	16:03	LB136371
	Barium	9260	10000	93	90 - 110	P	07/03/2025	16:03	LB136371
	Beryllium	243	250	97	90 - 110	P	07/03/2025	16:03	LB136371
	Cadmium	2390	2500	96	90 - 110	P	07/03/2025	16:03	LB136371
	Calcium	23500	25000	94	90 - 110	P	07/03/2025	16:03	LB136371
	Chromium	943	1000	94	90 - 110	P	07/03/2025	16:03	LB136371
	Cobalt	2410	2500	96	90 - 110	P	07/03/2025	16:03	LB136371
	Copper	1220	1250	97	90 - 110	P	07/03/2025	16:03	LB136371
	Iron	4890	5000	98	90 - 110	P	07/03/2025	16:03	LB136371
	Lead	4730	5000	95	90 - 110	P	07/03/2025	16:03	LB136371
	Magnesium	22900	25000	92	90 - 110	P	07/03/2025	16:03	LB136371
	Manganese	2440	2500	98	90 - 110	P	07/03/2025	16:03	LB136371
	Nickel	2410	2500	96	90 - 110	P	07/03/2025	16:03	LB136371
	Potassium	24300	25000	97	90 - 110	P	07/03/2025	16:03	LB136371
	Selenium	5080	5000	102	90 - 110	P	07/03/2025	16:03	LB136371
	Silver	1200	1250	96	90 - 110	P	07/03/2025	16:03	LB136371
	Sodium	25100	25000	100	90 - 110	P	07/03/2025	16:03	LB136371
	Thallium	5350	5000	107	90 - 110	P	07/03/2025	16:03	LB136371
	Vanadium	2340	2500	94	90 - 110	P	07/03/2025	16:03	LB136371
	Zinc	2470	2500	99	90 - 110	P	07/03/2025	16:03	LB136371
CCV04	Aluminum	9520	10000	95	90 - 110	P	07/03/2025	16:58	LB136371
	Antimony	5140	5000	103	90 - 110	P	07/03/2025	16:58	LB136371

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith

SDG No.: Q2458

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	5050	5000	101	90 - 110	P	07/03/2025	16:58	LB136371
	Barium	9300	10000	93	90 - 110	P	07/03/2025	16:58	LB136371
	Beryllium	245	250	98	90 - 110	P	07/03/2025	16:58	LB136371
	Cadmium	2440	2500	98	90 - 110	P	07/03/2025	16:58	LB136371
	Calcium	23600	25000	94	90 - 110	P	07/03/2025	16:58	LB136371
	Chromium	947	1000	95	90 - 110	P	07/03/2025	16:58	LB136371
	Cobalt	2440	2500	97	90 - 110	P	07/03/2025	16:58	LB136371
	Copper	1240	1250	99	90 - 110	P	07/03/2025	16:58	LB136371
	Iron	4970	5000	99	90 - 110	P	07/03/2025	16:58	LB136371
	Lead	4800	5000	96	90 - 110	P	07/03/2025	16:58	LB136371
	Magnesium	23100	25000	92	90 - 110	P	07/03/2025	16:58	LB136371
	Manganese	2440	2500	97	90 - 110	P	07/03/2025	16:58	LB136371
	Nickel	2440	2500	98	90 - 110	P	07/03/2025	16:58	LB136371
	Potassium	25200	25000	101	90 - 110	P	07/03/2025	16:58	LB136371
	Selenium	5210	5000	104	90 - 110	P	07/03/2025	16:58	LB136371
	Silver	1210	1250	97	90 - 110	P	07/03/2025	16:58	LB136371
	Sodium	26100	25000	104	90 - 110	P	07/03/2025	16:58	LB136371
	Thallium	5260	5000	105	90 - 110	P	07/03/2025	16:58	LB136371
	Vanadium	2340	2500	94	90 - 110	P	07/03/2025	16:58	LB136371
	Zinc	2490	2500	100	90 - 110	P	07/03/2025	16:58	LB136371
CCV05	Aluminum	9700	10000	97	90 - 110	P	07/03/2025	17:28	LB136371
	Antimony	5240	5000	105	90 - 110	P	07/03/2025	17:28	LB136371
	Arsenic	5130	5000	102	90 - 110	P	07/03/2025	17:28	LB136371
	Barium	9380	10000	94	90 - 110	P	07/03/2025	17:28	LB136371
	Beryllium	252	250	101	90 - 110	P	07/03/2025	17:28	LB136371
	Cadmium	2490	2500	100	90 - 110	P	07/03/2025	17:28	LB136371
	Calcium	24000	25000	96	90 - 110	P	07/03/2025	17:28	LB136371
	Chromium	950	1000	95	90 - 110	P	07/03/2025	17:28	LB136371
	Cobalt	2490	2500	100	90 - 110	P	07/03/2025	17:28	LB136371
	Copper	1260	1250	101	90 - 110	P	07/03/2025	17:28	LB136371
	Iron	4800	5000	96	90 - 110	P	07/03/2025	17:28	LB136371
	Lead	4910	5000	98	90 - 110	P	07/03/2025	17:28	LB136371
	Magnesium	23400	25000	94	90 - 110	P	07/03/2025	17:28	LB136371
	Manganese	2480	2500	99	90 - 110	P	07/03/2025	17:28	LB136371

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith

SDG No.: Q2458

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	2500	2500	100	90 - 110	P	07/03/2025	17:28	LB136371
	Potassium	24200	25000	97	90 - 110	P	07/03/2025	17:28	LB136371
	Selenium	5280	5000	106	90 - 110	P	07/03/2025	17:28	LB136371
	Silver	1210	1250	97	90 - 110	P	07/03/2025	17:28	LB136371
	Sodium	25000	25000	100	90 - 110	P	07/03/2025	17:28	LB136371
	Thallium	5280	5000	106	90 - 110	P	07/03/2025	17:28	LB136371
	Vanadium	2380	2500	95	90 - 110	P	07/03/2025	17:28	LB136371
	Zinc	2480	2500	99	90 - 110	P	07/03/2025	17:28	LB136371

Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: CDM Smith **SDG No.:** Q2458
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	112	70 - 130	CV	07/01/2025	11:52	LB136337
CRA	Mercury	0.19	0.2	96	70 - 130	CV	07/02/2025	10:54	LB136352
CRI01	Aluminum	92.4	100	92	65 - 135	P	07/03/2025	12:26	LB136371
	Antimony	53.6	50.0	107	65 - 135	P	07/03/2025	12:26	LB136371
	Arsenic	22.4	20.0	112	65 - 135	P	07/03/2025	12:26	LB136371
	Barium	80.0	100	80	65 - 135	P	07/03/2025	12:26	LB136371
	Beryllium	5.80	6.0	97	65 - 135	P	07/03/2025	12:26	LB136371
	Cadmium	6.26	6.0	104	65 - 135	P	07/03/2025	12:26	LB136371
	Calcium	1950	2000	98	65 - 135	P	07/03/2025	12:26	LB136371
	Chromium	10.6	10.0	106	65 - 135	P	07/03/2025	12:26	LB136371
	Cobalt	29.7	30.0	99	65 - 135	P	07/03/2025	12:26	LB136371
	Copper	21.0	20.0	105	65 - 135	P	07/03/2025	12:26	LB136371
	Iron	108	100	108	65 - 135	P	07/03/2025	12:26	LB136371
	Lead	12.8	12.0	106	65 - 135	P	07/03/2025	12:26	LB136371
	Magnesium	2020	2000	101	65 - 135	P	07/03/2025	12:26	LB136371
	Manganese	20.4	20.0	102	65 - 135	P	07/03/2025	12:26	LB136371
	Nickel	40.5	40.0	101	65 - 135	P	07/03/2025	12:26	LB136371
	Potassium	1880	2000	94	65 - 135	P	07/03/2025	12:26	LB136371
	Selenium	23.6	20.0	118	65 - 135	P	07/03/2025	12:26	LB136371
	Silver	10.5	10.0	105	65 - 135	P	07/03/2025	12:26	LB136371
	Sodium	2010	2000	101	65 - 135	P	07/03/2025	12:26	LB136371
	Thallium	43.2	40.0	108	65 - 135	P	07/03/2025	12:26	LB136371
	Vanadium	38.8	40.0	97	65 - 135	P	07/03/2025	12:26	LB136371
	Zinc	44.9	40.0	112	65 - 135	P	07/03/2025	12:26	LB136371



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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith

SDG No.: Q2458

Contract: CAMP02

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB13	Mercury	0.076	+/-0.2	U	0.20	CV	07/01/2025	11:45	LB136337

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith

SDG No.: Q2458

Contract: CAMP02

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB40	Mercury	0.076	+/-0.2	U	0.20	CV	07/01/2025	11:49	LB136337
CCB41	Mercury	0.076	+/-0.2	U	0.20	CV	07/01/2025	12:19	LB136337
CCB42	Mercury	0.076	+/-0.2	U	0.20	CV	07/01/2025	12:49	LB136337
CCB43	Mercury	0.076	+/-0.2	U	0.20	CV	07/01/2025	13:13	LB136337

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith

SDG No.: Q2458

Contract: CAMP02

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB14	Mercury	0.076	+/-0.2	U	0.20	CV	07/02/2025	10:38	LB136352

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith

SDG No.: Q2458

Contract: CAMP02

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB44	Mercury	0.076	+/-0.2	U	0.20	CV	07/02/2025	10:49	LB136352
CCB45	Mercury	0.076	+/-0.2	U	0.20	CV	07/02/2025	11:40	LB136352
CCB46	Mercury	0.076	+/-0.2	U	0.20	CV	07/02/2025	12:42	LB136352
CCB47	Mercury	0.076	+/-0.2	U	0.20	CV	07/02/2025	13:23	LB136352

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2458
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	07/03/2025	12:21	LB136371
	Antimony	6.76	+/-25	U	50.0	P	07/03/2025	12:21	LB136371
	Arsenic	5.12	+/-10	U	20.0	P	07/03/2025	12:21	LB136371
	Barium	14.6	+/-50	U	100	P	07/03/2025	12:21	LB136371
	Beryllium	0.56	+/-3	U	6.00	P	07/03/2025	12:21	LB136371
	Cadmium	0.50	+/-3	U	6.00	P	07/03/2025	12:21	LB136371
	Calcium	234	+/-1000	U	2000	P	07/03/2025	12:21	LB136371
	Chromium	2.12	+/-5	U	10.0	P	07/03/2025	12:21	LB136371
	Cobalt	2.26	+/-15	U	30.0	P	07/03/2025	12:21	LB136371
	Copper	4.60	+/-10	U	20.0	P	07/03/2025	12:21	LB136371
	Iron	23.4	+/-50	U	100	P	07/03/2025	12:21	LB136371
	Lead	2.30	+/-6	U	12.0	P	07/03/2025	12:21	LB136371
	Magnesium	244	+/-1000	U	2000	P	07/03/2025	12:21	LB136371
	Manganese	5.94	+/-10	U	20.0	P	07/03/2025	12:21	LB136371
	Nickel	3.06	+/-20	U	40.0	P	07/03/2025	12:21	LB136371
	Potassium	918	+/-1000	U	2000	P	07/03/2025	12:21	LB136371
	Selenium	9.64	+/-10	U	20.0	P	07/03/2025	12:21	LB136371
	Silver	1.62	+/-5	U	10.0	P	07/03/2025	12:21	LB136371
	Sodium	868	+/-1000	U	2000	P	07/03/2025	12:21	LB136371
	Thallium	4.38	+/-20	U	40.0	P	07/03/2025	12:21	LB136371
	Vanadium	6.26	+/-20	U	40.0	P	07/03/2025	12:21	LB136371
	Zinc	16.7	+/-20	U	40.0	P	07/03/2025	12:21	LB136371

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2458
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	07/03/2025	13:27	LB136371
	Antimony	6.76	+/-25	U	50.0	P	07/03/2025	13:27	LB136371
	Arsenic	5.12	+/-10	U	20.0	P	07/03/2025	13:27	LB136371
	Barium	14.6	+/-50	U	100	P	07/03/2025	13:27	LB136371
	Beryllium	0.56	+/-3	U	6.00	P	07/03/2025	13:27	LB136371
	Cadmium	0.50	+/-3	U	6.00	P	07/03/2025	13:27	LB136371
	Calcium	234	+/-1000	U	2000	P	07/03/2025	13:27	LB136371
	Chromium	2.12	+/-5	U	10.0	P	07/03/2025	13:27	LB136371
	Cobalt	2.26	+/-15	U	30.0	P	07/03/2025	13:27	LB136371
	Copper	4.60	+/-10	U	20.0	P	07/03/2025	13:27	LB136371
	Iron	23.4	+/-50	U	100	P	07/03/2025	13:27	LB136371
	Lead	2.30	+/-6	U	12.0	P	07/03/2025	13:27	LB136371
	Magnesium	244	+/-1000	U	2000	P	07/03/2025	13:27	LB136371
	Manganese	5.94	+/-10	U	20.0	P	07/03/2025	13:27	LB136371
	Nickel	3.06	+/-20	U	40.0	P	07/03/2025	13:27	LB136371
	Potassium	918	+/-1000	U	2000	P	07/03/2025	13:27	LB136371
	Selenium	9.64	+/-10	U	20.0	P	07/03/2025	13:27	LB136371
	Silver	1.62	+/-5	U	10.0	P	07/03/2025	13:27	LB136371
	Sodium	868	+/-1000	U	2000	P	07/03/2025	13:27	LB136371
	Thallium	4.38	+/-20	U	40.0	P	07/03/2025	13:27	LB136371
	Vanadium	6.26	+/-20	U	40.0	P	07/03/2025	13:27	LB136371
	Zinc	16.7	+/-20	U	40.0	P	07/03/2025	13:27	LB136371
CCB02	Aluminum	11.3	+/-50	U	100	P	07/03/2025	14:55	LB136371
	Antimony	6.76	+/-25	U	50.0	P	07/03/2025	14:55	LB136371
	Arsenic	5.12	+/-10	U	20.0	P	07/03/2025	14:55	LB136371
	Barium	14.6	+/-50	U	100	P	07/03/2025	14:55	LB136371
	Beryllium	0.56	+/-3	U	6.00	P	07/03/2025	14:55	LB136371
	Cadmium	0.50	+/-3	U	6.00	P	07/03/2025	14:55	LB136371
	Calcium	234	+/-1000	U	2000	P	07/03/2025	14:55	LB136371
	Chromium	2.12	+/-5	U	10.0	P	07/03/2025	14:55	LB136371
	Cobalt	2.26	+/-15	U	30.0	P	07/03/2025	14:55	LB136371
	Copper	4.60	+/-10	U	20.0	P	07/03/2025	14:55	LB136371
	Iron	23.4	+/-50	U	100	P	07/03/2025	14:55	LB136371
	Lead	2.30	+/-6	U	12.0	P	07/03/2025	14:55	LB136371
	Magnesium	244	+/-1000	U	2000	P	07/03/2025	14:55	LB136371
	Manganese	5.94	+/-10	U	20.0	P	07/03/2025	14:55	LB136371
	Nickel	3.06	+/-20	U	40.0	P	07/03/2025	14:55	LB136371
	Potassium	918	+/-1000	U	2000	P	07/03/2025	14:55	LB136371
	Selenium	9.64	+/-10	U	20.0	P	07/03/2025	14:55	LB136371

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith

SDG No.: Q2458

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	07/03/2025	14:55	LB136371
	Sodium	868	+/-1000	U	2000	P	07/03/2025	14:55	LB136371
	Thallium	4.38	+/-20	U	40.0	P	07/03/2025	14:55	LB136371
	Vanadium	6.26	+/-20	U	40.0	P	07/03/2025	14:55	LB136371
	Zinc	16.7	+/-20	U	40.0	P	07/03/2025	14:55	LB136371
CCB03	Aluminum	11.3	+/-50	U	100	P	07/03/2025	16:08	LB136371
	Antimony	6.76	+/-25	U	50.0	P	07/03/2025	16:08	LB136371
	Arsenic	5.12	+/-10	U	20.0	P	07/03/2025	16:08	LB136371
	Barium	14.6	+/-50	U	100	P	07/03/2025	16:08	LB136371
	Beryllium	0.56	+/-3	U	6.00	P	07/03/2025	16:08	LB136371
	Cadmium	0.50	+/-3	U	6.00	P	07/03/2025	16:08	LB136371
	Calcium	234	+/-1000	U	2000	P	07/03/2025	16:08	LB136371
	Chromium	2.12	+/-5	U	10.0	P	07/03/2025	16:08	LB136371
	Cobalt	2.26	+/-15	U	30.0	P	07/03/2025	16:08	LB136371
	Copper	4.60	+/-10	U	20.0	P	07/03/2025	16:08	LB136371
	Iron	23.4	+/-50	U	100	P	07/03/2025	16:08	LB136371
	Lead	2.30	+/-6	U	12.0	P	07/03/2025	16:08	LB136371
	Magnesium	244	+/-1000	U	2000	P	07/03/2025	16:08	LB136371
	Manganese	5.94	+/-10	U	20.0	P	07/03/2025	16:08	LB136371
	Nickel	3.06	+/-20	U	40.0	P	07/03/2025	16:08	LB136371
	Potassium	918	+/-1000	U	2000	P	07/03/2025	16:08	LB136371
	Selenium	9.64	+/-10	U	20.0	P	07/03/2025	16:08	LB136371
	Silver	1.62	+/-5	U	10.0	P	07/03/2025	16:08	LB136371
	Sodium	868	+/-1000	U	2000	P	07/03/2025	16:08	LB136371
	Thallium	4.38	+/-20	U	40.0	P	07/03/2025	16:08	LB136371
	Vanadium	6.26	+/-20	U	40.0	P	07/03/2025	16:08	LB136371
	Zinc	16.7	+/-20	U	40.0	P	07/03/2025	16:08	LB136371
CCB04	Aluminum	11.3	+/-50	U	100	P	07/03/2025	17:02	LB136371
	Antimony	6.76	+/-25	U	50.0	P	07/03/2025	17:02	LB136371
	Arsenic	5.12	+/-10	U	20.0	P	07/03/2025	17:02	LB136371
	Barium	14.6	+/-50	U	100	P	07/03/2025	17:02	LB136371
	Beryllium	0.56	+/-3	U	6.00	P	07/03/2025	17:02	LB136371
	Cadmium	0.50	+/-3	U	6.00	P	07/03/2025	17:02	LB136371
	Calcium	234	+/-1000	U	2000	P	07/03/2025	17:02	LB136371
	Chromium	2.12	+/-5	U	10.0	P	07/03/2025	17:02	LB136371
	Cobalt	2.26	+/-15	U	30.0	P	07/03/2025	17:02	LB136371
	Copper	4.60	+/-10	U	20.0	P	07/03/2025	17:02	LB136371
	Iron	23.4	+/-50	U	100	P	07/03/2025	17:02	LB136371
	Lead	2.30	+/-6	U	12.0	P	07/03/2025	17:02	LB136371

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2458
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	07/03/2025	17:02	LB136371
	Manganese	5.94	+/-10	U	20.0	P	07/03/2025	17:02	LB136371
	Nickel	3.06	+/-20	U	40.0	P	07/03/2025	17:02	LB136371
	Potassium	918	+/-1000	U	2000	P	07/03/2025	17:02	LB136371
	Selenium	9.64	+/-10	U	20.0	P	07/03/2025	17:02	LB136371
	Silver	1.62	+/-5	U	10.0	P	07/03/2025	17:02	LB136371
	Sodium	868	+/-1000	U	2000	P	07/03/2025	17:02	LB136371
	Thallium	4.38	+/-20	U	40.0	P	07/03/2025	17:02	LB136371
	Vanadium	6.26	+/-20	U	40.0	P	07/03/2025	17:02	LB136371
	Zinc	16.7	+/-20	U	40.0	P	07/03/2025	17:02	LB136371
CCB05	Aluminum	11.3	+/-50	U	100	P	07/03/2025	17:32	LB136371
	Antimony	6.76	+/-25	U	50.0	P	07/03/2025	17:32	LB136371
	Arsenic	5.12	+/-10	U	20.0	P	07/03/2025	17:32	LB136371
	Barium	14.6	+/-50	U	100	P	07/03/2025	17:32	LB136371
	Beryllium	0.56	+/-3	U	6.00	P	07/03/2025	17:32	LB136371
	Cadmium	0.50	+/-3	U	6.00	P	07/03/2025	17:32	LB136371
	Calcium	234	+/-1000	U	2000	P	07/03/2025	17:32	LB136371
	Chromium	2.12	+/-5	U	10.0	P	07/03/2025	17:32	LB136371
	Cobalt	2.26	+/-15	U	30.0	P	07/03/2025	17:32	LB136371
	Copper	4.60	+/-10	U	20.0	P	07/03/2025	17:32	LB136371
	Iron	23.4	+/-50	U	100	P	07/03/2025	17:32	LB136371
	Lead	2.30	+/-6	U	12.0	P	07/03/2025	17:32	LB136371
	Magnesium	244	+/-1000	U	2000	P	07/03/2025	17:32	LB136371
	Manganese	5.94	+/-10	U	20.0	P	07/03/2025	17:32	LB136371
	Nickel	3.06	+/-20	U	40.0	P	07/03/2025	17:32	LB136371
	Potassium	918	+/-1000	U	2000	P	07/03/2025	17:32	LB136371
	Selenium	9.64	+/-10	U	20.0	P	07/03/2025	17:32	LB136371
	Silver	1.62	+/-5	U	10.0	P	07/03/2025	17:32	LB136371
	Sodium	868	+/-1000	U	2000	P	07/03/2025	17:32	LB136371
	Thallium	4.38	+/-20	U	40.0	P	07/03/2025	17:32	LB136371
	Vanadium	6.26	+/-20	U	40.0	P	07/03/2025	17:32	LB136371
	Zinc	16.7	+/-20	U	40.0	P	07/03/2025	17:32	LB136371

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: CDM Smith

SDG No.: Q2458

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168683BL		WATER		Batch Number:	PB168683		Prep Date:	07/01/2025	
	Mercury	0.076	<0.2	U	0.20	CV	07/01/2025	12:31	LB136337
Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB168688BL		SOLID		Batch Number:	PB168688		Prep Date:	07/01/2025	
	Mercury	0.0070	<0.013	U	0.013	CV	07/02/2025	11:12	LB136352

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: CDM Smith

SDG No.: Q2458

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168677BL	WATER			Batch Number:	PB168677		Prep Date:	07/01/2025	
	Aluminum	5.67	<25	U	50.0	P	07/03/2025	16:20	LB136371
	Antimony	3.38	<12.5	U	25.0	P	07/03/2025	16:20	LB136371
	Arsenic	2.56	<5	U	10.0	P	07/03/2025	16:20	LB136371
	Barium	7.28	<25	U	50.0	P	07/03/2025	16:20	LB136371
	Beryllium	0.28	<1.5	U	3.00	P	07/03/2025	16:20	LB136371
	Cadmium	0.25	<1.5	U	3.00	P	07/03/2025	16:20	LB136371
	Calcium	117	<500	U	1000	P	07/03/2025	16:20	LB136371
	Chromium	1.06	<2.5	U	5.00	P	07/03/2025	16:20	LB136371
	Cobalt	1.13	<7.5	U	15.0	P	07/03/2025	16:20	LB136371
	Copper	2.30	<5	U	10.0	P	07/03/2025	16:20	LB136371
	Iron	11.7	<25	U	50.0	P	07/03/2025	16:20	LB136371
	Lead	1.15	<3	U	6.00	P	07/03/2025	16:20	LB136371
	Magnesium	122	<500	U	1000	P	07/03/2025	16:20	LB136371
	Manganese	2.97	<5	U	10.0	P	07/03/2025	16:20	LB136371
	Nickel	1.53	<10	U	20.0	P	07/03/2025	16:20	LB136371
	Potassium	459	<500	U	1000	P	07/03/2025	16:20	LB136371
	Selenium	4.82	<5	U	10.0	P	07/03/2025	16:20	LB136371
	Silver	0.81	<2.5	U	5.00	P	07/03/2025	16:20	LB136371
	Sodium	434	<500	U	1000	P	07/03/2025	16:20	LB136371
	Thallium	2.19	<10	U	20.0	P	07/03/2025	16:20	LB136371
	Vanadium	3.13	<10	U	20.0	P	07/03/2025	16:20	LB136371
	Zinc	8.33	<10	U	20.0	P	07/03/2025	16:20	LB136371
Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB168678BL	SOLID			Batch Number:	PB168678		Prep Date:	07/01/2025	
	Aluminum	0.84	<2.5	U	5.00	P	07/03/2025	16:12	LB136371
	Antimony	0.22	<1.25	U	2.50	P	07/03/2025	16:12	LB136371
	Arsenic	0.19	<0.5	U	1.00	P	07/03/2025	16:12	LB136371
	Barium	0.73	<2.5	U	5.00	P	07/03/2025	16:12	LB136371
	Beryllium	0.025	<0.15	U	0.30	P	07/03/2025	16:12	LB136371
	Cadmium	0.024	<0.15	U	0.30	P	07/03/2025	16:12	LB136371
	Calcium	11.1	<50	U	100	P	07/03/2025	16:12	LB136371
	Chromium	0.047	<0.25	U	0.50	P	07/03/2025	16:12	LB136371
	Cobalt	0.10	<0.75	U	1.50	P	07/03/2025	16:12	LB136371
	Copper	0.22	<0.5	U	1.00	P	07/03/2025	16:12	LB136371
	Iron	3.99	<2.5	U	5.00	P	07/03/2025	16:12	LB136371
	Lead	0.13	<0.3	U	0.60	P	07/03/2025	16:12	LB136371
	Magnesium	12.0	<50	U	100	P	07/03/2025	16:12	LB136371
	Manganese	0.14	<0.5	U	1.00	P	07/03/2025	16:12	LB136371
	Nickel	0.13	<1	U	2.00	P	07/03/2025	16:12	LB136371

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: CDM Smith

SDG No.: Q2458

Instrument: P4

Potassium	27.7	<50	U	100	P	07/03/2025	16:12	LB136371
Selenium	0.26	<0.5	U	1.00	P	07/03/2025	16:12	LB136371
Silver	0.12	<0.25	U	0.50	P	07/03/2025	16:12	LB136371
Sodium	17.8	<50	U	100	P	07/03/2025	16:12	LB136371
Thallium	0.23	<1	U	2.00	P	07/03/2025	16:12	LB136371
Vanadium	0.25	<1	U	2.00	P	07/03/2025	16:12	LB136371
Zinc	0.23	<1	U	2.00	P	07/03/2025	16:12	LB136371

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: <u>CDM Smith</u>	SDG No.: <u>Q2458</u>
Contract: <u>CAMP02</u>	Lab Code: <u>ACE</u>
ICS Source: <u>EPA</u>	Instrument ID: <u>P4</u>

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Aluminum	237000	255000	93	216000	294000	07/03/2025	12:30	LB136371
	Antimony	0.85			-50	50	07/03/2025	12:30	LB136371
	Arsenic	-1.82			-20	20	07/03/2025	12:30	LB136371
	Barium	-23.4	6.0	390	-94	106	07/03/2025	12:30	LB136371
	Beryllium	0.55			-6	6	07/03/2025	12:30	LB136371
	Cadmium	-1.03	1.0	103	-5	7	07/03/2025	12:30	LB136371
	Calcium	225000	245000	92	208000	282000	07/03/2025	12:30	LB136371
	Chromium	57.2	52.0	110	42	62	07/03/2025	12:30	LB136371
	Cobalt	-0.27			-30	30	07/03/2025	12:30	LB136371
	Copper	17.1	2.0	855	-18	22	07/03/2025	12:30	LB136371
	Iron	97000	101000	96	85600	116500	07/03/2025	12:30	LB136371
	Lead	-8.04			-12	12	07/03/2025	12:30	LB136371
	Magnesium	236000	255000	92	216000	294000	07/03/2025	12:30	LB136371
	Manganese	4.57	7.0	65	-13	27	07/03/2025	12:30	LB136371
	Nickel	11.4	2.0	570	-38	42	07/03/2025	12:30	LB136371
	Potassium	-36.6			0	0	07/03/2025	12:30	LB136371
	Selenium	8.32			-20	20	07/03/2025	12:30	LB136371
	Silver	-8.71			-10	10	07/03/2025	12:30	LB136371
	Sodium	55.2			0	0	07/03/2025	12:30	LB136371
	Thallium	0.72			-40	40	07/03/2025	12:30	LB136371
	Vanadium	0.26			-40	40	07/03/2025	12:30	LB136371
	Zinc	1.18			-40	40	07/03/2025	12:30	LB136371
ICSAB01	Aluminum	243000	247000	98	209000	285000	07/03/2025	12:42	LB136371
	Antimony	610	618	99	525	711	07/03/2025	12:42	LB136371
	Arsenic	102	104	98	88.4	120	07/03/2025	12:42	LB136371
	Barium	439	537	82	437	637	07/03/2025	12:42	LB136371
	Beryllium	460	495	93	420	570	07/03/2025	12:42	LB136371
	Cadmium	974	972	100	826	1120	07/03/2025	12:42	LB136371
	Calcium	232000	235000	99	199000	271000	07/03/2025	12:42	LB136371
	Chromium	558	542	103	460	624	07/03/2025	12:42	LB136371
	Cobalt	495	476	104	404	548	07/03/2025	12:42	LB136371
	Copper	490	511	96	434	588	07/03/2025	12:42	LB136371
	Iron	104000	99300	105	84400	114500	07/03/2025	12:42	LB136371
	Lead	40.3	49.0	82	37	61	07/03/2025	12:42	LB136371
	Magnesium	243000	248000	98	210000	286000	07/03/2025	12:42	LB136371
	Manganese	480	507	95	430	584	07/03/2025	12:42	LB136371
	Nickel	994	954	104	810	1100	07/03/2025	12:42	LB136371
	Potassium	-42.7			0	0	07/03/2025	12:42	LB136371
	Selenium	58.6	46.0	127	26	66	07/03/2025	12:42	LB136371
	Silver	229	201	114	170	232	07/03/2025	12:42	LB136371
	Sodium	61.0			0	0	07/03/2025	12:42	LB136371
	Thallium	94.7	108	88	68	148	07/03/2025	12:42	LB136371

Metals

- 4 -

INTERFERENCE CHECK SAMPLE

Client: CDM Smith

SDG No.: Q2458

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	463	491	94	417	565	07/03/2025	12:42	LB136371
	Zinc	1040	952	109	809	1095	07/03/2025	12:42	LB136371



METAL QC DATA

metals
- 5a -
MATRIX SPIKE SUMMARY

client: CDM Smith **level:** low **sdg no.:** Q2458
contract: CAMP02 **lab code:** ACE
matrix: Solid **sample id:** Q2458-03 **client id:** TP-68MS

Percent Solids for Sample: 92.3 **Spiked ID:** Q2458-03MS **Percent Solids for Spike Sample:** 92.3

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	5750		4030		95.5	1805		P
Antimony	mg/Kg	75 - 125	16.5		2.46	U	38.2	43	N	P
Arsenic	mg/Kg	75 - 125	37.4		1.61		38.2	94		P
Barium	mg/Kg	75 - 125	16.9		7.39		9.5	100		P
Beryllium	mg/Kg	75 - 125	7.92		0.13	J	9.5	82		P
Cadmium	mg/Kg	75 - 125	8.79		0.30	U	9.5	92		P
Calcium	mg/Kg	75 - 125	2950		1990		47.7	2007		P
Chromium	mg/Kg	75 - 125	28.0		9.01		19.1	99		P
Cobalt	mg/Kg	75 - 125	15.3		4.51		9.5	114		P
Copper	mg/Kg	75 - 125	63.7		45.1		14.3	130	N	P
Iron	mg/Kg	75 - 125	10700		9290		140	1022		P
Lead	mg/Kg	75 - 125	50.1		5.32		47.7	94		P
Magnesium	mg/Kg	75 - 125	2760		2200		95.5	584		P
Manganese	mg/Kg	75 - 125	84.1		65.0		9.5	201		P
Nickel	mg/Kg	75 - 125	36.2		9.84		23.9	110		P
Potassium	mg/Kg	75 - 125	1130		521		480	127	N	P
Selenium	mg/Kg	75 - 125	91.6		2.38		95.5	93		P
Silver	mg/Kg	75 - 125	3.69		0.37	J	3.6	92		P
Sodium	mg/Kg	75 - 125	953		582		140	265		P
Thallium	mg/Kg	75 - 125	97.8		1.97	U	95.5	102		P
Vanadium	mg/Kg	75 - 125	40.6		20.1		14.3	143	N	P
Zinc	mg/Kg	75 - 125	25.2		12.9		9.5	129	N	P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: <u>CDM Smith</u>	level: <u>low</u>	sdg no.: <u>Q2458</u>
contract: <u>CAMP02</u>		lab code: <u>ACE</u>
matrix: <u>Solid</u>	sample id: <u>Q2458-03</u>	client id: <u>TP-68MSD</u>
Percent Solids for Sample: 92.3	Spiked ID: Q2458-03MSD	Percent Solids for Spike Sample: 92.3

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	6080		4030		89.9	2277		P
Antimony	mg/Kg	75 - 125	15.4		2.46	U	36.0	43	N	P
Arsenic	mg/Kg	75 - 125	35.7		1.61		36.0	95		P
Barium	mg/Kg	75 - 125	17.0		7.39		9.0	107		P
Beryllium	mg/Kg	75 - 125	7.42		0.13	J	9.0	81		P
Cadmium	mg/Kg	75 - 125	8.21		0.30	U	9.0	91		P
Calcium	mg/Kg	75 - 125	3030		1990		45.0	2307		P
Chromium	mg/Kg	75 - 125	27.2		9.01		18.0	101		P
Cobalt	mg/Kg	75 - 125	15.4		4.51		9.0	121		P
Copper	mg/Kg	75 - 125	92.9		45.1		13.5	354	N	P
Iron	mg/Kg	75 - 125	12000		9290		130	2054		P
Lead	mg/Kg	75 - 125	48.4		5.32		45.0	96		P
Magnesium	mg/Kg	75 - 125	3100		2200		89.9	1007		P
Manganese	mg/Kg	75 - 125	91.0		65.0		9.0	290		P
Nickel	mg/Kg	75 - 125	36.8		9.84		22.5	120		P
Potassium	mg/Kg	75 - 125	1180		521		450	146	N	P
Selenium	mg/Kg	75 - 125	87.8		2.38		89.9	95		P
Silver	mg/Kg	75 - 125	3.63		0.37	J	3.4	96		P
Sodium	mg/Kg	75 - 125	1030		582		130	345		P
Thallium	mg/Kg	75 - 125	90.1		1.97	U	89.9	100		P
Vanadium	mg/Kg	75 - 125	40.7		20.1		13.5	152	N	P
Zinc	mg/Kg	75 - 125	28.9		12.9		9.0	177	N	P

metals
- 5a -
MATRIX SPIKE SUMMARY

client: <u>CDM Smith</u>	level: <u>low</u>	sdg no.: <u>Q2458</u>
contract: <u>CAMP02</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q2463-01</u>	client id: <u>TW-WTS-11MS</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q2463-01MS</u>	Percent Solids for Spike Sample: <u>NA</u>

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	4620		3660		1000	96		P
Antimony	ug/L	75 - 125	425		25.0	U	400	106		P
Arsenic	ug/L	75 - 125	415		10.0	U	400	104		P
Barium	ug/L	75 - 125	122		36.1	J	100	86		P
Beryllium	ug/L	75 - 125	85.4		3.00	U	100	85		P
Cadmium	ug/L	75 - 125	97.4		3.00	U	100	97		P
Calcium	ug/L	75 - 125	50300		49700		500	120		P
Chromium	ug/L	75 - 125	192		1.87	J	200	95		P
Cobalt	ug/L	75 - 125	102		1.54	J	100	100		P
Copper	ug/L	75 - 125	171		21.7		150	99		P
Iron	ug/L	75 - 125	10800		9630		1500	77		P
Lead	ug/L	75 - 125	466		5.99	J	500	92		P
Magnesium	ug/L	75 - 125	2320		1450		1000	87		P
Manganese	ug/L	75 - 125	121		22.5		100	98		P
Mercury	ug/L	75 - 125	3.24		0.19	J	4.0	76		CV
Nickel	ug/L	75 - 125	264		15.0	J	250	100		P
Potassium	ug/L	75 - 125	244000		248000		5000	-95		P
Selenium	ug/L	75 - 125	1060		5.02	J	1000	106		P
Silver	ug/L	75 - 125	21.1		5.00	U	37.5	56	N	P
Sodium	ug/L	75 - 125	172000		172000		1500	-45		P
Thallium	ug/L	75 - 125	1060		20.0	U	1000	106		P
Vanadium	ug/L	75 - 125	157		18.5	J	150	93		P
Zinc	ug/L	75 - 125	124		17.3	J	100	107		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: <u>CDM Smith</u>	level: <u>low</u>	sdg no.: <u>Q2458</u>
contract: <u>CAMP02</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q2463-01</u>	client id: <u>TW-WTS-11MSD</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q2463-01MSD</u>	Percent Solids for Spike Sample: <u>NA</u>

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	5280		3660		1000	162	N	P
Antimony	ug/L	75 - 125	420		25.0	U	400	105		P
Arsenic	ug/L	75 - 125	404		10.0	U	400	101		P
Barium	ug/L	75 - 125	123		36.1	J	100	87		P
Beryllium	ug/L	75 - 125	82.9		3.00	U	100	83		P
Cadmium	ug/L	75 - 125	96.7		3.00	U	100	97		P
Calcium	ug/L	75 - 125	50000		49700		500	64		P
Chromium	ug/L	75 - 125	189		1.87	J	200	93		P
Cobalt	ug/L	75 - 125	99.3		1.54	J	100	98		P
Copper	ug/L	75 - 125	168		21.7		150	98		P
Iron	ug/L	75 - 125	10800		9630		1500	77		P
Lead	ug/L	75 - 125	456		5.99	J	500	90		P
Magnesium	ug/L	75 - 125	2360		1450		1000	91		P
Manganese	ug/L	75 - 125	119		22.5		100	96		P
Mercury	ug/L	75 - 125	3.88		0.19	J	4.0	92		CV
Nickel	ug/L	75 - 125	259		15.0	J	250	98		P
Potassium	ug/L	75 - 125	232000		248000		5000	-324		P
Selenium	ug/L	75 - 125	1040		5.02	J	1000	104		P
Silver	ug/L	75 - 125	34.9		5.00	U	37.5	93		P
Sodium	ug/L	75 - 125	167000		172000		1500	-376		P
Thallium	ug/L	75 - 125	1040		20.0	U	1000	104		P
Vanadium	ug/L	75 - 125	155		18.5	J	150	91		P
Zinc	ug/L	75 - 125	122		17.3	J	100	104		P

metals
- 5a -
MATRIX SPIKE SUMMARY

client: CDM Smith	level: low	sdg no.: Q2458
contract: CAMP02		lab code: ACE
matrix: Solid	sample id: Q2469-01	client id: WC-1MS
Percent Solids for Sample: 85.4	Spiked ID: Q2469-01MS	Percent Solids for Spike Sample: 85.4

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.61		0.27		0.33	103		CV

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: <u>CDM Smith</u>	level: <u>low</u>	sdg no.: <u>Q2458</u>
contract: <u>CAMP02</u>		lab code: <u>ACE</u>
matrix: <u>Solid</u>	sample id: <u>Q2469-01</u>	client id: <u>WC-1MSD</u>
Percent Solids for Sample: 85.4	Spiked ID: Q2469-01MSD	Percent Solids for Spike Sample: 85.4

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.54		0.27		0.29	93		CV

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: CDM Smith	SDG No.: Q2458	
Contract: CAMP02	Lab Code: ACE	
Matrix: Solid	Level: LOW	Client ID: TP-68A
Sample ID: Q2458-03	Spiked ID: Q2458-03A	

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	mg/Kg	75 - 125	40.0		2.46	U	39.4	102		P
Copper	mg/Kg	75 - 125	56.9		45.1		14.8	80		P
Potassium	mg/Kg	75 - 125	981		521		490	94		P
Vanadium	mg/Kg	75 - 125	31.6		20.1		14.8	77		P
Zinc	mg/Kg	75 - 125	22.1		12.9		9.80	93		P

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: CDM Smith **SDG No.:** Q2458
Contract: CAMP02 **Lab Code:** ACE
Matrix: Water **Level:** LOW **Client ID:** TW-WTS-11A
Sample ID: Q2463-01 **Spiked ID:** Q2463-01A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	4600		3660		10000	9	N	P
Silver	ug/L	75 - 125	21.2		5.00	U	37.5	56	N	P

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	<u>CDM Smith</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q2458</u>
Contract:	<u>CAMP02</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>Q2458-03</u>	Client ID:	<u>TP-68DUP</u>
Percent Solids for Sample:	92.3	Duplicate ID	Q2458-03DUP	Percent Solids for Spike Sample:	92.3

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	4030		4390		9		P
Antimony	mg/Kg	20	2.46	U	2.56	U			P
Arsenic	mg/Kg	20	1.61		1.73		7		P
Barium	mg/Kg	20	7.39		8.01		8		P
Beryllium	mg/Kg	20	0.13	J	0.13	J	5		P
Cadmium	mg/Kg	20	0.30	U	0.31	U			P
Calcium	mg/Kg	20	1990		2250		12		P
Chromium	mg/Kg	20	9.01		10.5		16		P
Cobalt	mg/Kg	20	4.51		5.12		13		P
Copper	mg/Kg	20	45.1		50.0		10		P
Iron	mg/Kg	20	9290		10200		9		P
Lead	mg/Kg	20	5.32		5.40		1		P
Magnesium	mg/Kg	20	2200		2480		12		P
Manganese	mg/Kg	20	65.0		72.3		11		P
Nickel	mg/Kg	20	9.84		11.1		12		P
Potassium	mg/Kg	20	521		590		12		P
Selenium	mg/Kg	20	2.38		2.62		10		P
Silver	mg/Kg	20	0.37	J	0.41	J	10		P
Sodium	mg/Kg	20	582		653		11		P
Thallium	mg/Kg	20	1.97	U	2.04	U			P
Vanadium	mg/Kg	20	20.1		23.7		16		P
Zinc	mg/Kg	20	12.9		14.2		10		P

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	<u>CDM Smith</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q2458</u>
Contract:	<u>CAMP02</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>Q2458-03MS</u>	Client ID:	<u>TP-68MSD</u>
Percent Solids for Sample:	92.3	Duplicate ID	Q2458-03MSD	Percent Solids for Spike Sample:	92.3

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	5750		6080		6		P
Antimony	mg/Kg	20	16.5		15.4		7		P
Arsenic	mg/Kg	20	37.4		35.7		5		P
Barium	mg/Kg	20	16.9		17.0		1		P
Beryllium	mg/Kg	20	7.92		7.42		7		P
Cadmium	mg/Kg	20	8.79		8.21		7		P
Calcium	mg/Kg	20	2950		3030		3		P
Chromium	mg/Kg	20	28.0		27.2		3		P
Cobalt	mg/Kg	20	15.3		15.4		1		P
Copper	mg/Kg	20	63.7		92.9		37	*	P
Iron	mg/Kg	20	10700		12000		11		P
Lead	mg/Kg	20	50.1		48.4		3		P
Magnesium	mg/Kg	20	2760		3100		12		P
Manganese	mg/Kg	20	84.1		91.0		8		P
Nickel	mg/Kg	20	36.2		36.8		2		P
Potassium	mg/Kg	20	1130		1180		4		P
Selenium	mg/Kg	20	91.6		87.8		4		P
Silver	mg/Kg	20	3.69		3.63		2		P
Sodium	mg/Kg	20	953		1030		8		P
Thallium	mg/Kg	20	97.8		90.1		8		P
Vanadium	mg/Kg	20	40.6		40.7		0		P
Zinc	mg/Kg	20	25.2		28.9		14		P

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: CDM Smith **Level:** LOW **SDG No.:** Q2458
Contract: CAMP02 **Lab Code:** ACE
Matrix: Water **Sample ID:** Q2463-01 **Client ID:** TW-WTS-11DUP
Percent Solids for Sample: NA **Duplicate ID** Q2463-01DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	3660		3690		1		P
Antimony	ug/L	20	25.0	U	25.0	U			P
Arsenic	ug/L	20	10.0	U	10.0	U			P
Barium	ug/L	20	36.1	J	35.1	J	3		P
Beryllium	ug/L	20	3.00	U	3.00	U			P
Cadmium	ug/L	20	3.00	U	3.00	U			P
Calcium	ug/L	20	49700		49600		0		P
Chromium	ug/L	20	1.87	J	1.97	J	5		P
Cobalt	ug/L	20	1.54	J	1.45	J	6		P
Copper	ug/L	20	21.7		21.7		0		P
Iron	ug/L	20	9630		9600		0		P
Lead	ug/L	20	5.99	J	6.69		11		P
Magnesium	ug/L	20	1450		1440		1		P
Manganese	ug/L	20	22.5		22.5		0		P
Mercury	ug/L	20	0.19	J	0.18	J	3		CV
Nickel	ug/L	20	15.0	J	15.3	J	2		P
Potassium	ug/L	20	248000		242000		2		P
Selenium	ug/L	20	5.02	J	5.01	J	0		P
Silver	ug/L	20	5.00	U	5.00	U			P
Sodium	ug/L	20	172000		171000		1		P
Thallium	ug/L	20	20.0	U	20.0	U			P
Vanadium	ug/L	20	18.5	J	17.8	J	4		P
Zinc	ug/L	20	17.3	J	17.3	J	0		P

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	<u>CDM Smith</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q2458</u>
Contract:	<u>CAMP02</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q2463-01MS</u>	Client ID:	<u>TW-WTS-11MSD</u>
Percent Solids for Sample:	NA	Duplicate ID	Q2463-01MSD	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	4620		5280		13		P
Antimony	ug/L	20	425		420		1		P
Arsenic	ug/L	20	415		404		3		P
Barium	ug/L	20	122		123		1		P
Beryllium	ug/L	20	85.4		82.9		3		P
Cadmium	ug/L	20	97.4		96.7		1		P
Calcium	ug/L	20	50300		50000		1		P
Chromium	ug/L	20	192		189		2		P
Cobalt	ug/L	20	102		99.3		3		P
Copper	ug/L	20	171		168		2		P
Iron	ug/L	20	10800		10800		0		P
Lead	ug/L	20	466		456		2		P
Magnesium	ug/L	20	2320		2360		2		P
Manganese	ug/L	20	121		119		2		P
Mercury	ug/L	20	3.24		3.88		18		CV
Nickel	ug/L	20	264		259		2		P
Potassium	ug/L	20	244000		232000		5		P
Selenium	ug/L	20	1060		1040		2		P
Silver	ug/L	20	21.1		34.9		49	*	P
Sodium	ug/L	20	172000		167000		3		P
Thallium	ug/L	20	1060		1040		2		P
Vanadium	ug/L	20	157		155		1		P
Zinc	ug/L	20	124		122		2		P

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	<u>CDM Smith</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q2458</u>
Contract:	<u>CAMP02</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>Q2469-01</u>	Client ID:	<u>WC-1DUP</u>
Percent Solids for Sample:	85.4	Duplicate ID	Q2469-01DUP	Percent Solids for Spike Sample:	85.4

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.27		0.29		9		CV

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	<u>CDM Smith</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q2458</u>
Contract:	<u>CAMP02</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>Q2469-01MS</u>	Client ID:	<u>WC-1MSD</u>
Percent Solids for Sample:	85.4	Duplicate ID	Q2469-01MSD	Percent Solids for Spike Sample:	85.4

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.61		0.54		13		CV

Metals

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client:	<u>CDM Smith</u>	SDG No.:	<u>Q2458</u>
Contract:	<u>CAMP02</u>	Lab Code:	<u>ACE</u>

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168677BS							
Aluminum	ug/L	1000	925		92	80 - 120	P
Antimony	ug/L	400	405		101	80 - 120	P
Arsenic	ug/L	400	388		97	80 - 120	P
Barium	ug/L	100	88.3		88	80 - 120	P
Beryllium	ug/L	100	88.3		88	80 - 120	P
Cadmium	ug/L	100	95.4		95	80 - 120	P
Calcium	ug/L	500	464	J	93	80 - 120	P
Chromium	ug/L	200	187		94	80 - 120	P
Cobalt	ug/L	100	97.1		97	80 - 120	P
Copper	ug/L	150	151		101	80 - 120	P
Iron	ug/L	1500	1400		93	80 - 120	P
Lead	ug/L	500	469		94	80 - 120	P
Magnesium	ug/L	1000	909	J	91	80 - 120	P
Manganese	ug/L	100	97.8		98	80 - 120	P
Nickel	ug/L	250	245		98	80 - 120	P
Potassium	ug/L	5000	4660		93	80 - 120	P
Selenium	ug/L	1000	1010		101	80 - 120	P
Silver	ug/L	37.5	34.4		92	80 - 120	P
Sodium	ug/L	1500	1470		98	80 - 120	P
Thallium	ug/L	1000	1070		107	80 - 120	P
Vanadium	ug/L	150	137		91	80 - 120	P
Zinc	ug/L	100	97.5		98	80 - 120	P

Metals

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client:	<u>CDM Smith</u>	SDG No.:	<u>Q2458</u>
Contract:	<u>CAMP02</u>	Lab Code:	<u>ACE</u>

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168678BS							
Aluminum	mg/Kg	100	91.6		92	80 - 120	P
Antimony	mg/Kg	40.0	40.4		101	80 - 120	P
Arsenic	mg/Kg	40.0	38.8		97	80 - 120	P
Barium	mg/Kg	10.0	8.61		86	80 - 120	P
Beryllium	mg/Kg	10.0	8.79		88	80 - 120	P
Cadmium	mg/Kg	10.0	9.53		95	80 - 120	P
Calcium	mg/Kg	50.0	45.9	J	92	80 - 120	P
Chromium	mg/Kg	20.0	18.9		94	80 - 120	P
Cobalt	mg/Kg	10.0	9.71		97	80 - 120	P
Copper	mg/Kg	15.0	15.0		100	80 - 120	P
Iron	mg/Kg	150	141		94	80 - 120	P
Lead	mg/Kg	50.0	46.7		93	80 - 120	P
Magnesium	mg/Kg	100	90.2	J	90	80 - 120	P
Manganese	mg/Kg	10.0	9.61		96	80 - 120	P
Nickel	mg/Kg	25.0	24.4		98	80 - 120	P
Potassium	mg/Kg	500	472		94	80 - 120	P
Selenium	mg/Kg	100	100		100	80 - 120	P
Silver	mg/Kg	3.8	3.49		92	80 - 120	P
Sodium	mg/Kg	150	149		99	80 - 120	P
Thallium	mg/Kg	100	104		104	80 - 120	P
Vanadium	mg/Kg	15.0	13.5		90	80 - 120	P
Zinc	mg/Kg	10.0	9.82		98	80 - 120	P

Metals

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: CDM Smith

SDG No.: Q2458

Contract: CAMP02

Lab Code: ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168683BS Mercury	ug/L	4.0	3.97		99	80 - 120	CV

Metals

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client:	<u>CDM Smith</u>	SDG No.:	<u>Q2458</u>
Contract:	<u>CAMP02</u>	Lab Code:	<u>ACE</u>

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168688BS Mercury	mg/Kg	0.25	0.23		90	80 - 120	CV

Metals
-9 -
ICP SERIAL DILUTIONS

SAMPLE NO.

TP-68L

Lab Name: Alliance **Contract:** CAMP02
Lab Code: ACE **Lb No.:** lb136371 **Lab Sample ID :** Q2458-03L **SDG No.:** Q2458
Matrix (soil/water): Solid **Level (low/med):** LOW
Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)			Serial Dilution Result (S)			% Differ- ence	Q	M
	C			C					
Aluminum		4030			4030		0		P
Antimony		2.46	U		12.3	U			P
Arsenic		1.61			1.43	J	11		P
Barium		7.39			24.6	U	100.0		P
Beryllium		0.13	J		1.48	U	100.0		P
Cadmium		0.30	U		1.48	U			P
Calcium		1990			2010		1		P
Chromium		9.01			8.88		1		P
Cobalt		4.51			4.03	J	11		P
Copper		45.1			46.5		3		P
Iron		9290			8950		4		P
Lead		5.32			5.02		6		P
Magnesium		2200			2200		0		P
Manganese		65.0			65.3		1		P
Nickel		9.84			9.21	J	6		P
Potassium		521			502		4		P
Selenium		2.38			3.24	J	36		P
Silver		0.37	J		2.46	U	100.0		P
Sodium		582			563		3		P
Thallium		1.97	U		9.85	U			P
Vanadium		20.1			19.9		1		P
Zinc		12.9			12.4		4		P

Metals
-9 -
ICP SERIAL DILUTIONS

SAMPLE NO.

TW-WTS-11L

Lab Name: Alliance **Contract:** CAMP02
Lab Code: ACE **Lb No.:** lb136371 **Lab Sample ID :** Q2463-01L **SDG No.:** Q2458
Matrix (soil/water): Water **Level (low/med):** LOW
Concentration Units: ug/L

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Differ-ence	Q	M
Aluminum	3660		3390		7		P
Antimony	25.0	U	125	U			P
Arsenic	10.0	U	50.0	U			P
Barium	36.1	J	250	U	100.0		P
Beryllium	3.00	U	15.0	U			P
Cadmium	3.00	U	15.0	U			P
Calcium	49700		47100		5		P
Chromium	1.87	J	25.0	U	100.0		P
Cobalt	1.54	J	75.0	U	100.0		P
Copper	21.7		19.0	J	12		P
Iron	9630		8160		15		P
Lead	5.99	J	30.0	U	100.0		P
Magnesium	1450		1320	J	9		P
Manganese	22.5		17.9	J	21		P
Mercury	0.19	J	0.40	J	110		CV
Nickel	15.0	J	11.5	J	23		P
Potassium	248000		192000		23		P
Selenium	5.02	J	50.0	U	100.0		P
Silver	5.00	U	25.0	U			P
Sodium	172000		141000		18		P
Thallium	20.0	U	100	U			P
Vanadium	18.5	J	100	U	100.0		P
Zinc	17.3	J	100	U	100.0		P

Metals
-9 -
ICP SERIAL DILUTIONS

SAMPLE NO.

WC-1L

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

Lb No.: lb136352

Lab Sample ID : Q2469-01L

SDG No.: Q2458

Matrix (soil/water): Solid

Level (low/med): LOW

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I) C	Serial Dilution Result (S) C	% Differ- ence	Q	M
Mercury	0.27	0.17	37		CV



METAL PREPARATION & INSTRUMENT DATA

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: CDM Smith

SDG No.: Q2458

Contract: CAMP02

Lab Code: ACE

Instrument ID:

Date:

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

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

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: CDM Smith

SDG No.: Q2458

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

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: CDM Smith

SDG No.: Q2458

Contract: CAMP02

Lab Code: ACE

Instrument ID:

Date:

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

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

Metals

- 11 -

ICP INTERELEMEN CORRECTION FACTORS

Client: CDM Smith

SDG No.: Q2458

Contract: CAMP02

Lab Code: ACE

Instrument ID:

Date:

Interement Correction Factors (apparent ppb analyte/ppm interferent)

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

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: CDM Smith

SDG No.: Q2458

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

Metals

- 13 -

SAMPLE PREPARATION SUMMARY

Client: CDM Smith

SDG No.: Q2458

Contract: CAMP02

Lab Code: ACE

Method: _____

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB168677							
PB168677BL	PB168677BL	MB	WATER	07/01/2025	50.0	25.0	
PB168677BS	PB168677BS	LCS	WATER	07/01/2025	50.0	25.0	
Q2458-10	FB-06272025	SAM	WATER	07/01/2025	50.0	25.0	
Q2463-01DUP	TW-WTS-11DUP	DUP	WATER	07/01/2025	50.0	25.0	
Q2463-01MS	TW-WTS-11MS	MS	WATER	07/01/2025	50.0	25.0	
Q2463-01MSD	TW-WTS-11MSD	MSD	WATER	07/01/2025	50.0	25.0	

Metals

- 13 -

SAMPLE PREPARATION SUMMARY

Client: CDM Smith

SDG No.: Q2458

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: PB168678							
PB168678BL	PB168678BL	MB	SOLID	07/01/2025	2.00	100.0	100.00
PB168678BS	PB168678BS	LCS	SOLID	07/01/2025	2.00	100.0	100.00
Q2458-01	TP-76	SAM	SOLID	07/01/2025	2.18	100.0	90.60
Q2458-02	TP-55	SAM	SOLID	07/01/2025	2.47	100.0	91.40
Q2458-03	TP-68	SAM	SOLID	07/01/2025	2.20	100.0	92.30
Q2458-03DUP	TP-68DUP	DUP	SOLID	07/01/2025	2.12	100.0	92.30
Q2458-03MS	TP-68MS	MS	SOLID	07/01/2025	2.27	100.0	92.30
Q2458-03MSD	TP-68MSD	MSD	SOLID	07/01/2025	2.41	100.0	92.30
Q2458-04	TP-67	SAM	SOLID	07/01/2025	2.21	100.0	89.70
Q2458-05	TP-66	SAM	SOLID	07/01/2025	2.10	100.0	88.30
Q2458-06	TP-60	SAM	SOLID	07/01/2025	2.26	100.0	92.50
Q2458-07	TP-62	SAM	SOLID	07/01/2025	2.14	100.0	91.10
Q2458-08	TP-63	SAM	SOLID	07/01/2025	2.20	100.0	86.40
Q2458-09	TP-59	SAM	SOLID	07/01/2025	2.26	100.0	76.60

Metals

- 13 -

SAMPLE PREPARATION SUMMARY

Client: CDM Smith

SDG No.: Q2458

Contract: CAMP02

Lab Code: ACE

Method: _____

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB168683							
PB168683BL	PB168683BL	MB	WATER	07/01/2025	30.0	30.0	
PB168683BS	PB168683BS	LCS	WATER	07/01/2025	30.0	30.0	
Q2458-10	FB-06272025	SAM	WATER	07/01/2025	30.0	30.0	
Q2463-01DUP	TW-WTS-11DUP	DUP	WATER	07/01/2025	30.0	30.0	
Q2463-01MS	TW-WTS-11MS	MS	WATER	07/01/2025	30.0	30.0	
Q2463-01MSD	TW-WTS-11MSD	MSD	WATER	07/01/2025	30.0	30.0	

Metals

- 13 -

SAMPLE PREPARATION SUMMARY

Client: CDM Smith

SDG No.: Q2458

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: PB168688							
PB168688BL	PB168688BL	MB	SOLID	07/01/2025	0.54	35.0	100.00
PB168688BS	PB168688BS	LCS	SOLID	07/01/2025	0.56	35.0	100.00
Q2458-01	TP-76	SAM	SOLID	07/01/2025	0.56	35.0	90.60
Q2458-02	TP-55	SAM	SOLID	07/01/2025	0.56	35.0	91.40
Q2458-03	TP-68	SAM	SOLID	07/01/2025	0.58	35.0	92.30
Q2458-04	TP-67	SAM	SOLID	07/01/2025	0.55	35.0	89.70
Q2458-05	TP-66	SAM	SOLID	07/01/2025	0.56	35.0	88.30
Q2458-06	TP-60	SAM	SOLID	07/01/2025	0.57	35.0	92.50
Q2458-07	TP-62	SAM	SOLID	07/01/2025	0.55	35.0	91.10
Q2458-08	TP-63	SAM	SOLID	07/01/2025	0.53	35.0	86.40
Q2458-09	TP-59	SAM	SOLID	07/01/2025	0.52	35.0	76.60
Q2469-01DUP	WC-1DUP	DUP	SOLID	07/01/2025	0.51	35.0	85.40
Q2469-01MS	WC-1MS	MS	SOLID	07/01/2025	0.50	35.0	85.40
Q2469-01MSD	WC-1MSD	MSD	SOLID	07/01/2025	0.57	35.0	85.40

metals
- 14 -
ANALYSIS RUN LOG

Client: CDM Smith

Contract: CAMP02

Lab code: ACE

Sdg no.: Q2458

Instrument id number: _____

Method: _____

Run number: LB136337

Start date: 07/01/2025

End date: 07/01/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1119	HG
S0.2	S0.2	1	1123	HG
S2.5	S2.5	1	1125	HG
S5	S5	1	1128	HG
S7.5	S7.5	1	1130	HG
S10	S10	1	1132	HG
ICV13	ICV13	1	1143	HG
ICB13	ICB13	1	1145	HG
CCV40	CCV40	1	1147	HG
CCB40	CCB40	1	1149	HG
CRA	CRA	1	1152	HG
CCV41	CCV41	1	1217	HG
CCB41	CCB41	1	1219	HG
PB168683BL	PB168683BL	1	1231	HG
PB168683BS	PB168683BS	1	1233	HG
Q2458-10	FB-06272025	1	1235	HG
Q2463-01DUP	TW-WTS-11DUP	1	1240	HG
Q2463-01MS	TW-WTS-11MS	1	1242	HG
CCV42	CCV42	1	1247	HG
CCB42	CCB42	1	1249	HG
Q2463-01MSD	TW-WTS-11MSD	1	1252	HG
Q2463-01L	TW-WTS-11L	5	1303	HG
CCV43	CCV43	1	1310	HG
CCB43	CCB43	1	1313	HG

metals
- 14 -
ANALYSIS RUN LOG

Client: CDM Smith

Contract: CAMP02

Lab code: ACE

Sdg no.: Q2458

Instrument id number: _____

Method: _____

Run number: LB136352

Start date: 07/02/2025

End date: 07/02/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1009	HG
S0.2	S0.2	1	1011	HG
S2.5	S2.5	1	1013	HG
S5	S5	1	1016	HG
S7.5	S7.5	1	1018	HG
S10	S10	1	1020	HG
ICV14	ICV14	1	1033	HG
ICB14	ICB14	1	1038	HG
CCV44	CCV44	1	1044	HG
CCB44	CCB44	1	1049	HG
CRA	CRA	1	1054	HG
PB168688BL	PB168688BL	1	1112	HG
PB168688BS	PB168688BS	1	1114	HG
Q2458-01	TP-76	1	1123	HG
Q2458-02	TP-55	1	1125	HG
CCV45	CCV45	1	1135	HG
CCB45	CCB45	1	1140	HG
Q2458-03	TP-68	1	1142	HG
Q2458-04	TP-67	1	1144	HG
Q2458-05	TP-66	1	1147	HG
Q2458-06	TP-60	1	1149	HG
Q2458-07	TP-62	1	1151	HG
Q2458-08	TP-63	1	1154	HG
Q2458-09	TP-59	1	1156	HG
CCV46	CCV46	1	1237	HG
CCB46	CCB46	1	1242	HG
Q2469-01DUP	WC-1DUP	1	1247	HG
Q2469-01MS	WC-1MS	1	1253	HG
Q2469-01MSD	WC-1MSD	1	1255	HG
Q2469-01L	WC-1L	5	1258	HG
CCV47	CCV47	1	1318	HG
CCB47	CCB47	1	1323	HG

metals
- 14 -
ANALYSIS RUN LOG

Client: CDM Smith

Contract: CAMP02

Lab code: ACE

Sdg no.: Q2458

Instrument id number:

Method:

Run number: LB136371

Start date: 07/03/2025

End date: 07/03/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1122	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	1127	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	1131	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	1135	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	1139	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	1143	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	1213	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	1217	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	1221	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	1226	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	1230	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	1242	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	1323	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	1327	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2463-01DUP	TW-WTS-11DUP	1	1354	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2463-01L	TW-WTS-11L	5	1359	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2463-01A	TW-WTS-11A	1	1413	Ag,Al
Q2458-01	TP-76	1	1417	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	1425	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	1455	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2458-10	FB-06272025	1	1504	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2458-02	TP-55	1	1512	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2458-04	TP-67	1	1516	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2458-05	TP-66	1	1520	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2458-06	TP-60	1	1524	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2458-07	TP-62	1	1529	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2463-01MS	TW-WTS-11MS	1	1533	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2463-01MSD	TW-WTS-11MSD	1	1537	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	1603	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	1608	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB168678BL	PB168678BL	1	1612	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB168677BL	PB168677BL	1	1620	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB168677BS	PB168677BS	1	1626	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB168678BS	PB168678BS	1	1630	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2458-03	TP-68	1	1634	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2458-03DUP	TP-68DUP	1	1638	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2458-03L	TP-68L	5	1642	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2458-03MS	TP-68MS	1	1646	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2458-03MSD	TP-68MSD	1	1650	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2458-03A	TP-68A	1	1654	Cu,K,Sb,V,Zn
CCV04	CCV04	1	1658	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

metals
- 14 -
ANALYSIS RUN LOG

Client: CDM Smith

Contract: CAMP02

Lab code: ACE

Sdg no.: Q2458

Instrument id number: _____

Method: _____

Run number: LB136371

Start date: 07/03/2025

End date: 07/03/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
CCB04	CCB04	1	1702	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2458-08	TP-63	1	1710	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2458-09	TP-59	1	1714	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	1728	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	1732	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn