

LAB CHRONICLE

OrderID:	Q2558	OrderDate:	7/10/2025 11:16:00 AM
Client:	Nobis Group	Project:	Raymark Superfund Site
Contact:	Adam Roy	Location:	O13,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2558-01	OU4-TS-Denali-07092 5	SOIL			07/09/25			07/10/25
			Mercury	7471B		07/10/25	07/11/25	
			Metals ICP-TAL	6010D		07/11/25	07/14/25	
Q2558-02	OU4-TS-Denali-07092 5	Water			07/09/25			07/10/25
			SPLP Mercury	7470A		07/15/25	07/15/25	
			SPLP MetalGroup3	6020B		07/15/25	07/16/25	
Q2558-03	OU4-TS-Grillo-OG-070 925	SOIL			07/09/25			07/10/25
			Mercury	7471B		07/10/25	07/11/25	
			Metals ICP-TAL	6010D		07/11/25	07/14/25	
Q2558-04	OU4-TS-Grillo-OG-070 925	Water			07/09/25			07/10/25
			SPLP Mercury	7470A		07/15/25	07/15/25	
			SPLP MetalGroup3	6020B		07/15/25	07/16/25	

Hit Summary Sheet
SW-846

SDG No.: Q2558 **Order ID:** Q2558
Client: Nobis Group **Project ID:** Raymark Superfund Site

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : OU4-TS-Denali-070925									
Q2558-01	OU4-TS-Denali-070925	SOIL	Aluminum	5600		0.96	4.57	5.71	mg/Kg
Q2558-01	OU4-TS-Denali-070925	SOIL	Antimony	0.94	J	0.25	0.71	2.86	mg/Kg
Q2558-01	OU4-TS-Denali-070925	SOIL	Arsenic	1.99		0.22	0.91	1.14	mg/Kg
Q2558-01	OU4-TS-Denali-070925	SOIL	Barium	26.9		0.83	1.43	5.71	mg/Kg
Q2558-01	OU4-TS-Denali-070925	SOIL	Beryllium	0.36		0.029	0.086	0.34	mg/Kg
Q2558-01	OU4-TS-Denali-070925	SOIL	Cadmium	0.049	J	0.027	0.086	0.34	mg/Kg
Q2558-01	OU4-TS-Denali-070925	SOIL	Calcium	1600		12.7	28.6	114	mg/Kg
Q2558-01	OU4-TS-Denali-070925	SOIL	Chromium	5.52		0.054	0.14	0.57	mg/Kg
Q2558-01	OU4-TS-Denali-070925	SOIL	Cobalt	5.32		0.11	0.43	1.71	mg/Kg
Q2558-01	OU4-TS-Denali-070925	SOIL	Copper	9.17		0.25	0.91	1.14	mg/Kg
Q2558-01	OU4-TS-Denali-070925	SOIL	Iron	8140		4.56	4.57	5.71	mg/Kg
Q2558-01	OU4-TS-Denali-070925	SOIL	Lead	11.5		0.15	0.55	0.69	mg/Kg
Q2558-01	OU4-TS-Denali-070925	SOIL	Magnesium	1800		13.7	28.6	114	mg/Kg
Q2558-01	OU4-TS-Denali-070925	SOIL	Manganese	193		0.16	0.29	1.14	mg/Kg
Q2558-01	OU4-TS-Denali-070925	SOIL	Mercury	0.017		0.0090	0.013	0.016	mg/Kg
Q2558-01	OU4-TS-Denali-070925	SOIL	Nickel	6.84		0.15	0.57	2.28	mg/Kg
Q2558-01	OU4-TS-Denali-070925	SOIL	Potassium	1020		31.6	91.4	114	mg/Kg
Q2558-01	OU4-TS-Denali-070925	SOIL	Selenium	0.96	J	0.30	0.91	1.14	mg/Kg
Q2558-01	OU4-TS-Denali-070925	SOIL	Sodium	63.8	J	20.3	91.4	114	mg/Kg
Q2558-01	OU4-TS-Denali-070925	SOIL	Vanadium	12.7		0.29	1.14	2.28	mg/Kg
Q2558-01	OU4-TS-Denali-070925	SOIL	Zinc	25.6		0.13	0.57	2.28	mg/Kg
Client ID : OU4-TS-Grillo-OG-070925									
Q2558-03	OU4-TS-Grillo-OG-070925	SOIL	Aluminum	6270		0.91	4.34	5.43	mg/Kg
Q2558-03	OU4-TS-Grillo-OG-070925	SOIL	Antimony	1.36	J	0.24	0.68	2.72	mg/Kg
Q2558-03	OU4-TS-Grillo-OG-070925	SOIL	Arsenic	4.86		0.21	0.87	1.09	mg/Kg
Q2558-03	OU4-TS-Grillo-OG-070925	SOIL	Barium	49.3		0.79	1.36	5.43	mg/Kg
Q2558-03	OU4-TS-Grillo-OG-070925	SOIL	Beryllium	0.41		0.027	0.081	0.33	mg/Kg
Q2558-03	OU4-TS-Grillo-OG-070925	SOIL	Cadmium	0.18	J	0.026	0.081	0.33	mg/Kg
Q2558-03	OU4-TS-Grillo-OG-070925	SOIL	Calcium	6400		12.1	27.2	109	mg/Kg
Q2558-03	OU4-TS-Grillo-OG-070925	SOIL	Chromium	9.96		0.051	0.14	0.54	mg/Kg
Q2558-03	OU4-TS-Grillo-OG-070925	SOIL	Cobalt	5.58		0.11	0.41	1.63	mg/Kg
Q2558-03	OU4-TS-Grillo-OG-070925	SOIL	Copper	23.7		0.24	0.87	1.09	mg/Kg
Q2558-03	OU4-TS-Grillo-OG-070925	SOIL	Iron	10100		4.33	4.34	5.43	mg/Kg
Q2558-03	OU4-TS-Grillo-OG-070925	SOIL	Lead	37.2		0.14	0.52	0.65	mg/Kg
Q2558-03	OU4-TS-Grillo-OG-070925	SOIL	Magnesium	3200		13.0	27.2	109	mg/Kg
Q2558-03	OU4-TS-Grillo-OG-070925	SOIL	Manganese	204		0.15	0.27	1.09	mg/Kg
Q2558-03	OU4-TS-Grillo-OG-070925	SOIL	Mercury	0.035		0.0090	0.012	0.015	mg/Kg

Hit Summary Sheet
SW-846

SDG No.:	Q2558	Order ID:	Q2558
Client:	Nobis Group	Project ID:	Raymark Superfund Site

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Q2558-03	OU4-TS-Grillo-OG-070925	SOIL	Nickel	8.88	J	0.14	0.54	2.17	mg/Kg
Q2558-03	OU4-TS-Grillo-OG-070925	SOIL	Potassium	1850		30.1	86.9	109	mg/Kg
Q2558-03	OU4-TS-Grillo-OG-070925	SOIL	Selenium	0.93		0.28	0.87	1.09	mg/Kg
Q2558-03	OU4-TS-Grillo-OG-070925	SOIL	Sodium	127		19.3	86.9	109	mg/Kg
Q2558-03	OU4-TS-Grillo-OG-070925	SOIL	Vanadium	19.2		0.27	1.09	2.17	mg/Kg
Q2558-03	OU4-TS-Grillo-OG-070925	SOIL	Zinc	46.1		0.12	0.54	2.17	mg/Kg



SAMPLE DATA

Report of Analysis

Client:	Nobis Group	Date Collected:	07/09/25
Project:	Raymark Superfund Site	Date Received:	07/10/25
Client Sample ID:	OU4-TS-Denali-070925	SDG No.:	Q2558
Lab Sample ID:	Q2558-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	79.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	5600		1	0.96	4.57	5.71	mg/Kg	07/11/25 08:50	07/14/25 19:44	6010D	SW3050
7440-36-0	Antimony	0.94	JN	1	0.25	0.71	2.86	mg/Kg	07/11/25 08:50	07/14/25 19:44	6010D	SW3050
7440-38-2	Arsenic	1.99	N	1	0.22	0.91	1.14	mg/Kg	07/11/25 08:50	07/14/25 19:44	6010D	SW3050
7440-39-3	Barium	26.9		1	0.83	1.43	5.71	mg/Kg	07/11/25 08:50	07/14/25 19:44	6010D	SW3050
7440-41-7	Beryllium	0.36		1	0.029	0.086	0.34	mg/Kg	07/11/25 08:50	07/14/25 19:44	6010D	SW3050
7440-43-9	Cadmium	0.049	J	1	0.027	0.086	0.34	mg/Kg	07/11/25 08:50	07/14/25 19:44	6010D	SW3050
7440-70-2	Calcium	1600		1	12.7	28.6	114	mg/Kg	07/11/25 08:50	07/14/25 19:44	6010D	SW3050
7440-47-3	Chromium	5.52		1	0.054	0.14	0.57	mg/Kg	07/11/25 08:50	07/14/25 19:44	6010D	SW3050
7440-48-4	Cobalt	5.32		1	0.11	0.43	1.71	mg/Kg	07/11/25 08:50	07/14/25 19:44	6010D	SW3050
7440-50-8	Copper	9.17	N*	1	0.25	0.91	1.14	mg/Kg	07/11/25 08:50	07/14/25 19:44	6010D	SW3050
7439-89-6	Iron	8140		1	4.56	4.57	5.71	mg/Kg	07/11/25 08:50	07/14/25 19:44	6010D	SW3050
7439-92-1	Lead	11.5	N	1	0.15	0.55	0.69	mg/Kg	07/11/25 08:50	07/14/25 19:44	6010D	SW3050
7439-95-4	Magnesium	1800		1	13.7	28.6	114	mg/Kg	07/11/25 08:50	07/14/25 19:44	6010D	SW3050
7439-96-5	Manganese	193		1	0.16	0.29	1.14	mg/Kg	07/11/25 08:50	07/14/25 19:44	6010D	SW3050
7439-97-6	Mercury	0.017	N	1	0.0090	0.013	0.016	mg/Kg	07/10/25 16:00	07/11/25 15:24	7471B	
7440-02-0	Nickel	6.84		1	0.15	0.57	2.28	mg/Kg	07/11/25 08:50	07/14/25 19:44	6010D	SW3050
7440-09-7	Potassium	1020		1	31.6	91.4	114	mg/Kg	07/11/25 08:50	07/14/25 19:44	6010D	SW3050
7782-49-2	Selenium	0.96	J	1	0.30	0.91	1.14	mg/Kg	07/11/25 08:50	07/14/25 19:44	6010D	SW3050
7440-22-4	Silver	0.29	UN	1	0.14	0.29	0.57	mg/Kg	07/11/25 08:50	07/14/25 19:44	6010D	SW3050
7440-23-5	Sodium	63.8	J	1	20.3	91.4	114	mg/Kg	07/11/25 08:50	07/14/25 19:44	6010D	SW3050
7440-28-0	Thallium	1.14	U	1	0.26	1.14	2.28	mg/Kg	07/11/25 08:50	07/14/25 19:44	6010D	SW3050
7440-62-2	Vanadium	12.7	N	1	0.29	1.14	2.28	mg/Kg	07/11/25 08:50	07/14/25 19:44	6010D	SW3050
7440-66-6	Zinc	25.6		1	0.13	0.57	2.28	mg/Kg	07/11/25 08:50	07/14/25 19:44	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:	Nobis Group	Date Collected:	07/09/25
Project:	Raymark Superfund Site	Date Received:	07/10/25
Client Sample ID:	OU4-TS-Grillo-OG-070925	SDG No.:	Q2558
Lab Sample ID:	Q2558-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	78.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	6270		1	0.91	4.34	5.43	mg/Kg	07/11/25 08:50	07/14/25 19:49	6010D	SW3050
7440-36-0	Antimony	1.36	JN	1	0.24	0.68	2.72	mg/Kg	07/11/25 08:50	07/14/25 19:49	6010D	SW3050
7440-38-2	Arsenic	4.86	N	1	0.21	0.87	1.09	mg/Kg	07/11/25 08:50	07/14/25 19:49	6010D	SW3050
7440-39-3	Barium	49.3		1	0.79	1.36	5.43	mg/Kg	07/11/25 08:50	07/14/25 19:49	6010D	SW3050
7440-41-7	Beryllium	0.41		1	0.027	0.081	0.33	mg/Kg	07/11/25 08:50	07/14/25 19:49	6010D	SW3050
7440-43-9	Cadmium	0.18	J	1	0.026	0.081	0.33	mg/Kg	07/11/25 08:50	07/14/25 19:49	6010D	SW3050
7440-70-2	Calcium	6400		1	12.1	27.2	109	mg/Kg	07/11/25 08:50	07/14/25 19:49	6010D	SW3050
7440-47-3	Chromium	9.96		1	0.051	0.14	0.54	mg/Kg	07/11/25 08:50	07/14/25 19:49	6010D	SW3050
7440-48-4	Cobalt	5.58		1	0.11	0.41	1.63	mg/Kg	07/11/25 08:50	07/14/25 19:49	6010D	SW3050
7440-50-8	Copper	23.7	N*	1	0.24	0.87	1.09	mg/Kg	07/11/25 08:50	07/14/25 19:49	6010D	SW3050
7439-89-6	Iron	10100		1	4.33	4.34	5.43	mg/Kg	07/11/25 08:50	07/14/25 19:49	6010D	SW3050
7439-92-1	Lead	37.2	N	1	0.14	0.52	0.65	mg/Kg	07/11/25 08:50	07/14/25 19:49	6010D	SW3050
7439-95-4	Magnesium	3200		1	13.0	27.2	109	mg/Kg	07/11/25 08:50	07/14/25 19:49	6010D	SW3050
7439-96-5	Manganese	204		1	0.15	0.27	1.09	mg/Kg	07/11/25 08:50	07/14/25 19:49	6010D	SW3050
7439-97-6	Mercury	0.035	N	1	0.0090	0.012	0.015	mg/Kg	07/10/25 16:00	07/11/25 15:36	7471B	
7440-02-0	Nickel	8.88		1	0.14	0.54	2.17	mg/Kg	07/11/25 08:50	07/14/25 19:49	6010D	SW3050
7440-09-7	Potassium	1850		1	30.1	86.9	109	mg/Kg	07/11/25 08:50	07/14/25 19:49	6010D	SW3050
7782-49-2	Selenium	0.93	J	1	0.28	0.87	1.09	mg/Kg	07/11/25 08:50	07/14/25 19:49	6010D	SW3050
7440-22-4	Silver	0.27	UN	1	0.13	0.27	0.54	mg/Kg	07/11/25 08:50	07/14/25 19:49	6010D	SW3050
7440-23-5	Sodium	127		1	19.3	86.9	109	mg/Kg	07/11/25 08:50	07/14/25 19:49	6010D	SW3050
7440-28-0	Thallium	1.09	U	1	0.25	1.09	2.17	mg/Kg	07/11/25 08:50	07/14/25 19:49	6010D	SW3050
7440-62-2	Vanadium	19.2	N	1	0.27	1.09	2.17	mg/Kg	07/11/25 08:50	07/14/25 19:49	6010D	SW3050
7440-66-6	Zinc	46.1		1	0.12	0.54	2.17	mg/Kg	07/11/25 08:50	07/14/25 19:49	6010D	SW3050

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

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

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

OR = Over Range

N =Spiked sample recovery not within control limits



METAL CALIBRATION DATA

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group

SDG No.: Q2558

Contract: NOBI03

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV25	Mercury	3.77	4.0	94	90 - 110	CV	07/11/2025	14:13	LB136438

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group

SDG No.: Q2558

Contract: NOBI03

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV82	Mercury	5.49	5.0	110	90 - 110	CV	07/11/2025	14:18	LB136438
CCV83	Mercury	4.89	5.0	98	90 - 110	CV	07/11/2025	14:56	LB136438
CCV84	Mercury	5.25	5.0	105	90 - 110	CV	07/11/2025	15:26	LB136438
CCV85	Mercury	4.73	5.0	95	90 - 110	CV	07/11/2025	16:02	LB136438
CCV86	Mercury	4.75	5.0	95	90 - 110	CV	07/11/2025	16:32	LB136438

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group

SDG No.: Q2558

Contract: NOBI03

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	7880	8000	98	90 - 110	P	07/14/2025	13:44	LB136469
	Antimony	3740	4000	94	90 - 110	P	07/14/2025	13:44	LB136469
	Arsenic	3640	4000	91	90 - 110	P	07/14/2025	13:44	LB136469
	Barium	7890	8000	99	90 - 110	P	07/14/2025	13:44	LB136469
	Beryllium	208	200	104	90 - 110	P	07/14/2025	13:44	LB136469
	Cadmium	1860	2000	93	90 - 110	P	07/14/2025	13:44	LB136469
	Calcium	19700	20000	99	90 - 110	P	07/14/2025	13:44	LB136469
	Chromium	803	800	100	90 - 110	P	07/14/2025	13:44	LB136469
	Cobalt	1980	2000	99	90 - 110	P	07/14/2025	13:44	LB136469
	Copper	1050	1000	105	90 - 110	P	07/14/2025	13:44	LB136469
	Iron	4060	4000	102	90 - 110	P	07/14/2025	13:44	LB136469
	Lead	3700	4000	92	90 - 110	P	07/14/2025	13:44	LB136469
	Magnesium	19900	20000	100	90 - 110	P	07/14/2025	13:44	LB136469
	Manganese	1980	2000	99	90 - 110	P	07/14/2025	13:44	LB136469
	Nickel	1970	2000	98	90 - 110	P	07/14/2025	13:44	LB136469
	Potassium	18800	20000	94	90 - 110	P	07/14/2025	13:44	LB136469
	Selenium	3770	4000	94	90 - 110	P	07/14/2025	13:44	LB136469
	Silver	1040	1000	104	90 - 110	P	07/14/2025	13:44	LB136469
	Sodium	19700	20000	99	90 - 110	P	07/14/2025	13:44	LB136469
	Thallium	3730	4000	93	90 - 110	P	07/14/2025	13:44	LB136469
	Vanadium	2010	2000	100	90 - 110	P	07/14/2025	13:44	LB136469
	Zinc	1980	2000	99	90 - 110	P	07/14/2025	13:44	LB136469

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group

SDG No.: Q2558

Contract: NOBI03

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	9950	10000	100	90 - 110	P	07/14/2025	14:54	LB136469
	Antimony	5070	5000	101	90 - 110	P	07/14/2025	14:54	LB136469
	Arsenic	5000	5000	100	90 - 110	P	07/14/2025	14:54	LB136469
	Barium	9980	10000	100	90 - 110	P	07/14/2025	14:54	LB136469
	Beryllium	255	250	102	90 - 110	P	07/14/2025	14:54	LB136469
	Cadmium	2540	2500	102	90 - 110	P	07/14/2025	14:54	LB136469
	Calcium	25100	25000	100	90 - 110	P	07/14/2025	14:54	LB136469
	Chromium	1030	1000	103	90 - 110	P	07/14/2025	14:54	LB136469
	Cobalt	2520	2500	101	90 - 110	P	07/14/2025	14:54	LB136469
	Copper	1270	1250	101	90 - 110	P	07/14/2025	14:54	LB136469
	Iron	5110	5000	102	90 - 110	P	07/14/2025	14:54	LB136469
	Lead	5040	5000	101	90 - 110	P	07/14/2025	14:54	LB136469
	Magnesium	25100	25000	100	90 - 110	P	07/14/2025	14:54	LB136469
	Manganese	2520	2500	101	90 - 110	P	07/14/2025	14:54	LB136469
	Nickel	2530	2500	101	90 - 110	P	07/14/2025	14:54	LB136469
	Potassium	24600	25000	99	90 - 110	P	07/14/2025	14:54	LB136469
	Selenium	5090	5000	102	90 - 110	P	07/14/2025	14:54	LB136469
	Silver	1270	1250	102	90 - 110	P	07/14/2025	14:54	LB136469
	Sodium	24700	25000	99	90 - 110	P	07/14/2025	14:54	LB136469
	Thallium	5030	5000	101	90 - 110	P	07/14/2025	14:54	LB136469
	Vanadium	2520	2500	101	90 - 110	P	07/14/2025	14:54	LB136469
	Zinc	2520	2500	101	90 - 110	P	07/14/2025	14:54	LB136469
CCV02	Aluminum	9900	10000	99	90 - 110	P	07/14/2025	16:01	LB136469
	Antimony	5030	5000	101	90 - 110	P	07/14/2025	16:01	LB136469
	Arsenic	4960	5000	99	90 - 110	P	07/14/2025	16:01	LB136469
	Barium	9880	10000	99	90 - 110	P	07/14/2025	16:01	LB136469
	Beryllium	256	250	102	90 - 110	P	07/14/2025	16:01	LB136469
	Cadmium	2520	2500	101	90 - 110	P	07/14/2025	16:01	LB136469
	Calcium	24900	25000	100	90 - 110	P	07/14/2025	16:01	LB136469
	Chromium	1000	1000	100	90 - 110	P	07/14/2025	16:01	LB136469
	Cobalt	2510	2500	101	90 - 110	P	07/14/2025	16:01	LB136469
	Copper	1270	1250	102	90 - 110	P	07/14/2025	16:01	LB136469
	Iron	5150	5000	103	90 - 110	P	07/14/2025	16:01	LB136469
	Lead	5010	5000	100	90 - 110	P	07/14/2025	16:01	LB136469

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group

SDG No.: Q2558

Contract: NOBI03

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	24500	25000	98	90 - 110	P	07/14/2025	16:01	LB136469
	Manganese	2470	2500	99	90 - 110	P	07/14/2025	16:01	LB136469
	Nickel	2520	2500	101	90 - 110	P	07/14/2025	16:01	LB136469
	Potassium	24600	25000	98	90 - 110	P	07/14/2025	16:01	LB136469
	Selenium	5040	5000	101	90 - 110	P	07/14/2025	16:01	LB136469
	Silver	1250	1250	100	90 - 110	P	07/14/2025	16:01	LB136469
	Sodium	24800	25000	99	90 - 110	P	07/14/2025	16:01	LB136469
	Thallium	5150	5000	103	90 - 110	P	07/14/2025	16:01	LB136469
	Vanadium	2460	2500	98	90 - 110	P	07/14/2025	16:01	LB136469
	Zinc	2460	2500	98	90 - 110	P	07/14/2025	16:01	LB136469

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group
Contract: NOBI03
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

SDG No.: Q2558
Lab Code: ACE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLCCV01	Aluminum	102	100	102	80 - 120	P	07/14/2025	16:27	LB136469
	Antimony	50.4	50.0	101	80 - 120	P	07/14/2025	16:27	LB136469
	Arsenic	19.2	20.0	96	80 - 120	P	07/14/2025	16:27	LB136469
	Barium	102	100	102	80 - 120	P	07/14/2025	16:27	LB136469
	Beryllium	6.73	6.0	112	80 - 120	P	07/14/2025	16:27	LB136469
	Cadmium	5.79	6.0	96	80 - 120	P	07/14/2025	16:27	LB136469
	Calcium	2100	2000	105	80 - 120	P	07/14/2025	16:27	LB136469
	Chromium	11.4	10.0	114	80 - 120	P	07/14/2025	16:27	LB136469
	Cobalt	31.4	30.0	105	80 - 120	P	07/14/2025	16:27	LB136469
	Copper	23.0	20.0	115	80 - 120	P	07/14/2025	16:27	LB136469
	Iron	119	100	118	80 - 120	P	07/14/2025	16:27	LB136469
	Lead	9.68	12.0	81	80 - 120	P	07/14/2025	16:27	LB136469
	Magnesium	2280	2000	114	80 - 120	P	07/14/2025	16:27	LB136469
	Manganese	23.8	20.0	119	80 - 120	P	07/14/2025	16:27	LB136469
	Nickel	41.0	40.0	103	80 - 120	P	07/14/2025	16:27	LB136469
	Potassium	1610	2000	80	80 - 120	P	07/14/2025	16:27	LB136469
	Selenium	21.6	20.0	108	80 - 120	P	07/14/2025	16:27	LB136469
	Silver	11.2	10.0	112	80 - 120	P	07/14/2025	16:27	LB136469
	Sodium	1850	2000	93	80 - 120	P	07/14/2025	16:27	LB136469
	Thallium	39.9	40.0	100	80 - 120	P	07/14/2025	16:27	LB136469
	Vanadium	40.6	40.0	101	80 - 120	P	07/14/2025	16:27	LB136469
	Zinc	41.4	40.0	104	80 - 120	P	07/14/2025	16:27	LB136469

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group
Contract: NOBI03
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

SDG No.: Q2558
Lab Code: ACE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV03	Aluminum	10100	10000	101	90 - 110	P	07/14/2025	18:01	LB136469
	Antimony	5060	5000	101	90 - 110	P	07/14/2025	18:01	LB136469
	Arsenic	5010	5000	100	90 - 110	P	07/14/2025	18:01	LB136469
	Barium	10100	10000	101	90 - 110	P	07/14/2025	18:01	LB136469
	Beryllium	258	250	103	90 - 110	P	07/14/2025	18:01	LB136469
	Cadmium	2530	2500	101	90 - 110	P	07/14/2025	18:01	LB136469
	Calcium	25200	25000	101	90 - 110	P	07/14/2025	18:01	LB136469
	Chromium	1020	1000	102	90 - 110	P	07/14/2025	18:01	LB136469
	Cobalt	2520	2500	101	90 - 110	P	07/14/2025	18:01	LB136469
	Copper	1290	1250	103	90 - 110	P	07/14/2025	18:01	LB136469
	Iron	5200	5000	104	90 - 110	P	07/14/2025	18:01	LB136469
	Lead	5040	5000	101	90 - 110	P	07/14/2025	18:01	LB136469
	Magnesium	25100	25000	101	90 - 110	P	07/14/2025	18:01	LB136469
	Manganese	2510	2500	100	90 - 110	P	07/14/2025	18:01	LB136469
	Nickel	2530	2500	101	90 - 110	P	07/14/2025	18:01	LB136469
	Potassium	25400	25000	102	90 - 110	P	07/14/2025	18:01	LB136469
	Selenium	5070	5000	101	90 - 110	P	07/14/2025	18:01	LB136469
	Silver	1260	1250	101	90 - 110	P	07/14/2025	18:01	LB136469
	Sodium	25500	25000	102	90 - 110	P	07/14/2025	18:01	LB136469
	Thallium	5170	5000	103	90 - 110	P	07/14/2025	18:01	LB136469
	Vanadium	2510	2500	100	90 - 110	P	07/14/2025	18:01	LB136469
	Zinc	2510	2500	100	90 - 110	P	07/14/2025	18:01	LB136469
CCV04	Aluminum	9440	10000	94	90 - 110	P	07/14/2025	19:00	LB136469
	Antimony	4580	5000	92	90 - 110	P	07/14/2025	19:00	LB136469
	Arsenic	4520	5000	90	90 - 110	P	07/14/2025	19:00	LB136469
	Barium	9620	10000	96	90 - 110	P	07/14/2025	19:00	LB136469
	Beryllium	247	250	99	90 - 110	P	07/14/2025	19:00	LB136469
	Cadmium	2290	2500	92	90 - 110	P	07/14/2025	19:00	LB136469
	Calcium	23700	25000	95	90 - 110	P	07/14/2025	19:00	LB136469
	Chromium	966	1000	97	90 - 110	P	07/14/2025	19:00	LB136469
	Cobalt	2280	2500	91	90 - 110	P	07/14/2025	19:00	LB136469
	Copper	1240	1250	99	90 - 110	P	07/14/2025	19:00	LB136469
	Iron	4950	5000	99	90 - 110	P	07/14/2025	19:00	LB136469
	Lead	4560	5000	91	90 - 110	P	07/14/2025	19:00	LB136469

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group

SDG No.: Q2558

Contract: NOBI03

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	Magnesium	24100	25000	96	90 - 110	P	07/14/2025	19:00	LB136469
	Manganese	2390	2500	96	90 - 110	P	07/14/2025	19:00	LB136469
	Nickel	2280	2500	91	90 - 110	P	07/14/2025	19:00	LB136469
	Potassium	25200	25000	101	90 - 110	P	07/14/2025	19:00	LB136469
	Selenium	4560	5000	91	90 - 110	P	07/14/2025	19:00	LB136469
	Silver	1190	1250	95	90 - 110	P	07/14/2025	19:00	LB136469
	Sodium	25300	25000	101	90 - 110	P	07/14/2025	19:00	LB136469
	Thallium	4670	5000	93	90 - 110	P	07/14/2025	19:00	LB136469
	Vanadium	2390	2500	96	90 - 110	P	07/14/2025	19:00	LB136469
	Zinc	2390	2500	96	90 - 110	P	07/14/2025	19:00	LB136469
CCV05	Aluminum	9430	10000	94	90 - 110	P	07/14/2025	19:53	LB136469
	Antimony	4740	5000	95	90 - 110	P	07/14/2025	19:53	LB136469
	Arsenic	4700	5000	94	90 - 110	P	07/14/2025	19:53	LB136469
	Barium	9540	10000	95	90 - 110	P	07/14/2025	19:53	LB136469
	Beryllium	239	250	96	90 - 110	P	07/14/2025	19:53	LB136469
	Cadmium	2370	2500	95	90 - 110	P	07/14/2025	19:53	LB136469
	Calcium	23500	25000	94	90 - 110	P	07/14/2025	19:53	LB136469
	Chromium	966	1000	97	90 - 110	P	07/14/2025	19:53	LB136469
	Cobalt	2360	2500	94	90 - 110	P	07/14/2025	19:53	LB136469
	Copper	1200	1250	96	90 - 110	P	07/14/2025	19:53	LB136469
	Iron	4790	5000	96	90 - 110	P	07/14/2025	19:53	LB136469
	Lead	4730	5000	94	90 - 110	P	07/14/2025	19:53	LB136469
	Magnesium	23800	25000	95	90 - 110	P	07/14/2025	19:53	LB136469
	Manganese	2360	2500	94	90 - 110	P	07/14/2025	19:53	LB136469
	Nickel	2360	2500	94	90 - 110	P	07/14/2025	19:53	LB136469
	Potassium	24100	25000	96	90 - 110	P	07/14/2025	19:53	LB136469
	Selenium	4720	5000	94	90 - 110	P	07/14/2025	19:53	LB136469
	Silver	1190	1250	95	90 - 110	P	07/14/2025	19:53	LB136469
	Sodium	24400	25000	98	90 - 110	P	07/14/2025	19:53	LB136469
	Thallium	4830	5000	96	90 - 110	P	07/14/2025	19:53	LB136469
	Vanadium	2360	2500	94	90 - 110	P	07/14/2025	19:53	LB136469
	Zinc	2400	2500	96	90 - 110	P	07/14/2025	19:53	LB136469
CCV06	Aluminum	9660	10000	97	90 - 110	P	07/14/2025	20:07	LB136469
	Antimony	4850	5000	97	90 - 110	P	07/14/2025	20:07	LB136469

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group

SDG No.: Q2558

Contract: NOBI03

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
CCV06	Arsenic	4800	5000	96	90 - 110	P	07/14/2025	20:07	LB136469
	Barium	9750	10000	98	90 - 110	P	07/14/2025	20:07	LB136469
	Beryllium	245	250	98	90 - 110	P	07/14/2025	20:07	LB136469
	Cadmium	2410	2500	96	90 - 110	P	07/14/2025	20:07	LB136469
	Calcium	23800	25000	95	90 - 110	P	07/14/2025	20:07	LB136469
	Chromium	986	1000	99	90 - 110	P	07/14/2025	20:07	LB136469
	Cobalt	2400	2500	96	90 - 110	P	07/14/2025	20:07	LB136469
	Copper	1230	1250	98	90 - 110	P	07/14/2025	20:07	LB136469
	Iron	4900	5000	98	90 - 110	P	07/14/2025	20:07	LB136469
	Lead	4810	5000	96	90 - 110	P	07/14/2025	20:07	LB136469
	Magnesium	24400	25000	98	90 - 110	P	07/14/2025	20:07	LB136469
	Manganese	2420	2500	97	90 - 110	P	07/14/2025	20:07	LB136469
	Nickel	2400	2500	96	90 - 110	P	07/14/2025	20:07	LB136469
	Potassium	24600	25000	98	90 - 110	P	07/14/2025	20:07	LB136469
	Selenium	4810	5000	96	90 - 110	P	07/14/2025	20:07	LB136469
	Silver	1210	1250	97	90 - 110	P	07/14/2025	20:07	LB136469
	Sodium	25000	25000	100	90 - 110	P	07/14/2025	20:07	LB136469
	Thallium	4920	5000	98	90 - 110	P	07/14/2025	20:07	LB136469
	Vanadium	2430	2500	97	90 - 110	P	07/14/2025	20:07	LB136469
	Zinc	2450	2500	98	90 - 110	P	07/14/2025	20:07	LB136469

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group

SDG No.: Q2558

Contract: NOBI03

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	7770	8000	97	90 - 110	P	07/15/2025	19:27	LB136488
	Antimony	3990	4000	100	90 - 110	P	07/15/2025	19:27	LB136488
	Arsenic	3760	4000	94	90 - 110	P	07/15/2025	19:27	LB136488
	Barium	7990	8000	100	90 - 110	P	07/15/2025	19:27	LB136488
	Beryllium	207	200	104	90 - 110	P	07/15/2025	19:27	LB136488
	Cadmium	1910	2000	96	90 - 110	P	07/15/2025	19:27	LB136488
	Calcium	19400	20000	97	90 - 110	P	07/15/2025	19:27	LB136488
	Chromium	778	800	97	90 - 110	P	07/15/2025	19:27	LB136488
	Cobalt	1960	2000	98	90 - 110	P	07/15/2025	19:27	LB136488
	Copper	1050	1000	105	90 - 110	P	07/15/2025	19:27	LB136488
	Iron	4090	4000	102	90 - 110	P	07/15/2025	19:27	LB136488
	Lead	3810	4000	95	90 - 110	P	07/15/2025	19:27	LB136488
	Magnesium	19900	20000	100	90 - 110	P	07/15/2025	19:27	LB136488
	Manganese	1980	2000	99	90 - 110	P	07/15/2025	19:27	LB136488
	Nickel	1950	2000	98	90 - 110	P	07/15/2025	19:27	LB136488
	Potassium	18700	20000	94	90 - 110	P	07/15/2025	19:27	LB136488
	Selenium	3830	4000	96	90 - 110	P	07/15/2025	19:27	LB136488
	Silver	1030	1000	103	90 - 110	P	07/15/2025	19:27	LB136488
	Sodium	20100	20000	101	90 - 110	P	07/15/2025	19:27	LB136488
	Thallium	3790	4000	95	90 - 110	P	07/15/2025	19:27	LB136488
	Vanadium	2000	2000	100	90 - 110	P	07/15/2025	19:27	LB136488
	Zinc	2020	2000	101	90 - 110	P	07/15/2025	19:27	LB136488

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group

SDG No.: Q2558

Contract: NOBI03

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	91.6	100	92	80 - 120	P	07/15/2025	19:37	LB136488
	Antimony	50.7	50.0	101	80 - 120	P	07/15/2025	19:37	LB136488
	Arsenic	18.5	20.0	92	80 - 120	P	07/15/2025	19:37	LB136488
	Barium	109	100	109	80 - 120	P	07/15/2025	19:37	LB136488
	Beryllium	6.62	6.0	110	80 - 120	P	07/15/2025	19:37	LB136488
	Cadmium	5.57	6.0	93	80 - 120	P	07/15/2025	19:37	LB136488
	Calcium	2090	2000	104	80 - 120	P	07/15/2025	19:37	LB136488
	Chromium	11.5	10.0	115	80 - 120	P	07/15/2025	19:37	LB136488
	Cobalt	30.7	30.0	102	80 - 120	P	07/15/2025	19:37	LB136488
	Copper	23.2	20.0	116	80 - 120	P	07/15/2025	19:37	LB136488
	Iron	118	100	118	80 - 120	P	07/15/2025	19:37	LB136488
	Lead	11.7	12.0	98	80 - 120	P	07/15/2025	19:37	LB136488
	Magnesium	2290	2000	114	80 - 120	P	07/15/2025	19:37	LB136488
	Manganese	23.8	20.0	119	80 - 120	P	07/15/2025	19:37	LB136488
	Nickel	39.6	40.0	99	80 - 120	P	07/15/2025	19:37	LB136488
	Potassium	1860	2000	93	80 - 120	P	07/15/2025	19:37	LB136488
	Selenium	21.1	20.0	106	80 - 120	P	07/15/2025	19:37	LB136488
	Silver	10.7	10.0	107	80 - 120	P	07/15/2025	19:37	LB136488
	Sodium	1970	2000	98	80 - 120	P	07/15/2025	19:37	LB136488
	Thallium	41.6	40.0	104	80 - 120	P	07/15/2025	19:37	LB136488
	Vanadium	35.0	40.0	88	80 - 120	P	07/15/2025	19:37	LB136488
	Zinc	43.4	40.0	109	80 - 120	P	07/15/2025	19:37	LB136488

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group

SDG No.: Q2558

Contract: NOBI03

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	9680	10000	97	90 - 110	P	07/15/2025	20:25	LB136488
	Antimony	4670	5000	94	90 - 110	P	07/15/2025	20:25	LB136488
	Arsenic	4860	5000	97	90 - 110	P	07/15/2025	20:25	LB136488
	Barium	10800	10000	108	90 - 110	P	07/15/2025	20:25	LB136488
	Beryllium	254	250	101	90 - 110	P	07/15/2025	20:25	LB136488
	Cadmium	2460	2500	98	90 - 110	P	07/15/2025	20:25	LB136488
	Calcium	24900	25000	100	90 - 110	P	07/15/2025	20:25	LB136488
	Chromium	936	1000	94	90 - 110	P	07/15/2025	20:25	LB136488
	Cobalt	2460	2500	98	90 - 110	P	07/15/2025	20:25	LB136488
	Copper	1290	1250	103	90 - 110	P	07/15/2025	20:25	LB136488
	Iron	5250	5000	105	90 - 110	P	07/15/2025	20:25	LB136488
	Lead	4930	5000	99	90 - 110	P	07/15/2025	20:25	LB136488
	Magnesium	26300	25000	105	90 - 110	P	07/15/2025	20:25	LB136488
	Manganese	2650	2500	106	90 - 110	P	07/15/2025	20:25	LB136488
	Nickel	2460	2500	99	90 - 110	P	07/15/2025	20:25	LB136488
	Potassium	24600	25000	98	90 - 110	P	07/15/2025	20:25	LB136488
	Selenium	4660	5000	93	90 - 110	P	07/15/2025	20:25	LB136488
	Silver	1150	1250	92	90 - 110	P	07/15/2025	20:25	LB136488
	Sodium	25600	25000	102	90 - 110	P	07/15/2025	20:25	LB136488
	Thallium	5030	5000	100	90 - 110	P	07/15/2025	20:25	LB136488
	Vanadium	2700	2500	108	90 - 110	P	07/15/2025	20:25	LB136488
	Zinc	2640	2500	106	90 - 110	P	07/15/2025	20:25	LB136488
CCV02	Aluminum	9540	10000	95	90 - 110	P	07/15/2025	22:12	LB136488
	Antimony	4800	5000	96	90 - 110	P	07/15/2025	22:12	LB136488
	Arsenic	4750	5000	95	90 - 110	P	07/15/2025	22:12	LB136488
	Barium	10800	10000	108	90 - 110	P	07/15/2025	22:12	LB136488
	Beryllium	250	250	100	90 - 110	P	07/15/2025	22:12	LB136488
	Cadmium	2410	2500	96	90 - 110	P	07/15/2025	22:12	LB136488
	Calcium	24600	25000	98	90 - 110	P	07/15/2025	22:12	LB136488
	Chromium	1040	1000	104	90 - 110	P	07/15/2025	22:12	LB136488
	Cobalt	2420	2500	97	90 - 110	P	07/15/2025	22:12	LB136488
	Copper	1290	1250	103	90 - 110	P	07/15/2025	22:12	LB136488
	Iron	5230	5000	104	90 - 110	P	07/15/2025	22:12	LB136488
	Lead	4840	5000	97	90 - 110	P	07/15/2025	22:12	LB136488

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group

SDG No.: Q2558

Contract: NOBI03

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	26100	25000	104	90 - 110	P	07/15/2025	22:12	LB136488
	Manganese	2660	2500	106	90 - 110	P	07/15/2025	22:12	LB136488
	Nickel	2420	2500	97	90 - 110	P	07/15/2025	22:12	LB136488
	Potassium	24200	25000	97	90 - 110	P	07/15/2025	22:12	LB136488
	Selenium	4780	5000	96	90 - 110	P	07/15/2025	22:12	LB136488
	Silver	1230	1250	98	90 - 110	P	07/15/2025	22:12	LB136488
	Sodium	25300	25000	101	90 - 110	P	07/15/2025	22:12	LB136488
	Thallium	4940	5000	99	90 - 110	P	07/15/2025	22:12	LB136488
	Vanadium	2720	2500	109	90 - 110	P	07/15/2025	22:12	LB136488
	Zinc	2630	2500	105	90 - 110	P	07/15/2025	22:12	LB136488
CCV03	Aluminum	9540	10000	95	90 - 110	P	07/15/2025	22:39	LB136488
	Antimony	4850	5000	97	90 - 110	P	07/15/2025	22:39	LB136488
	Arsenic	4740	5000	95	90 - 110	P	07/15/2025	22:39	LB136488
	Barium	10600	10000	106	90 - 110	P	07/15/2025	22:39	LB136488
	Beryllium	248	250	99	90 - 110	P	07/15/2025	22:39	LB136488
	Cadmium	2410	2500	96	90 - 110	P	07/15/2025	22:39	LB136488
	Calcium	24500	25000	98	90 - 110	P	07/15/2025	22:39	LB136488
	Chromium	1050	1000	105	90 - 110	P	07/15/2025	22:39	LB136488
	Cobalt	2420	2500	97	90 - 110	P	07/15/2025	22:39	LB136488
	Copper	1270	1250	102	90 - 110	P	07/15/2025	22:39	LB136488
	Iron	5090	5000	102	90 - 110	P	07/15/2025	22:39	LB136488
	Lead	4820	5000	96	90 - 110	P	07/15/2025	22:39	LB136488
	Magnesium	25800	25000	103	90 - 110	P	07/15/2025	22:39	LB136488
	Manganese	2620	2500	105	90 - 110	P	07/15/2025	22:39	LB136488
	Nickel	2420	2500	97	90 - 110	P	07/15/2025	22:39	LB136488
	Potassium	23800	25000	95	90 - 110	P	07/15/2025	22:39	LB136488
	Selenium	4820	5000	96	90 - 110	P	07/15/2025	22:39	LB136488
	Silver	1240	1250	99	90 - 110	P	07/15/2025	22:39	LB136488
	Sodium	24900	25000	100	90 - 110	P	07/15/2025	22:39	LB136488
	Thallium	4930	5000	98	90 - 110	P	07/15/2025	22:39	LB136488
	Vanadium	2670	2500	107	90 - 110	P	07/15/2025	22:39	LB136488
	Zinc	2590	2500	104	90 - 110	P	07/15/2025	22:39	LB136488

Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: Nobis Group

SDG No.: Q2558

Contract: NOBI03

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	0.23	0.2	116	70 - 130	CV	07/11/2025	14:28	LB136438
CRI01	Aluminum	126	100	126	65 - 135	P	07/14/2025	14:26	LB136469
	Antimony	49.5	50.0	99	65 - 135	P	07/14/2025	14:26	LB136469
	Arsenic	16.7	20.0	83	65 - 135	P	07/14/2025	14:26	LB136469
	Barium	99.1	100	99	65 - 135	P	07/14/2025	14:26	LB136469
	Beryllium	6.42	6.0	107	65 - 135	P	07/14/2025	14:26	LB136469
	Cadmium	5.57	6.0	93	65 - 135	P	07/14/2025	14:26	LB136469
	Calcium	2030	2000	101	65 - 135	P	07/14/2025	14:26	LB136469
	Chromium	10.6	10.0	106	65 - 135	P	07/14/2025	14:26	LB136469
	Cobalt	29.7	30.0	99	65 - 135	P	07/14/2025	14:26	LB136469
	Copper	22.4	20.0	112	65 - 135	P	07/14/2025	14:26	LB136469
	Iron	114	100	114	65 - 135	P	07/14/2025	14:26	LB136469
	Lead	9.89	12.0	82	65 - 135	P	07/14/2025	14:26	LB136469
	Magnesium	2160	2000	108	65 - 135	P	07/14/2025	14:26	LB136469
	Manganese	20.7	20.0	104	65 - 135	P	07/14/2025	14:26	LB136469
	Nickel	39.2	40.0	98	65 - 135	P	07/14/2025	14:26	LB136469
	Potassium	1540	2000	77	65 - 135	P	07/14/2025	14:26	LB136469
	Selenium	20.4	20.0	102	65 - 135	P	07/14/2025	14:26	LB136469
	Silver	11.9	10.0	119	65 - 135	P	07/14/2025	14:26	LB136469
	Sodium	1800	2000	90	65 - 135	P	07/14/2025	14:26	LB136469
	Thallium	36.6	40.0	91	65 - 135	P	07/14/2025	14:26	LB136469
	Vanadium	37.6	40.0	94	65 - 135	P	07/14/2025	14:26	LB136469
	Zinc	40.6	40.0	102	65 - 135	P	07/14/2025	14:26	LB136469
CRI01	Aluminum	90.7	100	91	65 - 135	P	07/15/2025	19:56	LB136488
	Antimony	48.4	50.0	97	65 - 135	P	07/15/2025	19:56	LB136488
	Arsenic	20.0	20.0	100	65 - 135	P	07/15/2025	19:56	LB136488
	Barium	112	100	112	65 - 135	P	07/15/2025	19:56	LB136488
	Beryllium	6.56	6.0	109	65 - 135	P	07/15/2025	19:56	LB136488
	Cadmium	5.68	6.0	95	65 - 135	P	07/15/2025	19:56	LB136488
	Calcium	2120	2000	106	65 - 135	P	07/15/2025	19:56	LB136488
	Chromium	10.9	10.0	110	65 - 135	P	07/15/2025	19:56	LB136488
	Cobalt	30.4	30.0	101	65 - 135	P	07/15/2025	19:56	LB136488
	Copper	23.9	20.0	120	65 - 135	P	07/15/2025	19:56	LB136488
	Iron	113	100	113	65 - 135	P	07/15/2025	19:56	LB136488
	Lead	10.6	12.0	88	65 - 135	P	07/15/2025	19:56	LB136488

Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: Nobis Group

SDG No.: Q2558

Contract: NOBI03

Lab Code: ACE

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Magnesium	2380	2000	119	65 - 135	P	07/15/2025	19:56	LB136488
	Manganese	23.3	20.0	117	65 - 135	P	07/15/2025	19:56	LB136488
	Nickel	39.9	40.0	100	65 - 135	P	07/15/2025	19:56	LB136488
	Potassium	1860	2000	93	65 - 135	P	07/15/2025	19:56	LB136488
	Selenium	23.6	20.0	118	65 - 135	P	07/15/2025	19:56	LB136488
	Silver	11.3	10.0	113	65 - 135	P	07/15/2025	19:56	LB136488
	Sodium	1970	2000	98	65 - 135	P	07/15/2025	19:56	LB136488
	Thallium	40.4	40.0	101	65 - 135	P	07/15/2025	19:56	LB136488
	Vanadium	39.5	40.0	99	65 - 135	P	07/15/2025	19:56	LB136488
	Zinc	44.1	40.0	110	65 - 135	P	07/15/2025	19:56	LB136488



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Fax : 908 789 8922

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Nobis Group

SDG No.: Q2558

Contract: NOBI03

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB25	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	07/11/2025	14:15	LB136438

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Nobis Group

SDG No.: Q2558

Contract: NOBI03

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB82	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	07/11/2025	14:25	LB136438
CCB83	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	07/11/2025	15:01	LB136438
CCB84	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	07/11/2025	15:29	LB136438
CCB85	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	07/11/2025	16:04	LB136438
CCB86	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	07/11/2025	16:34	LB136438

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Nobis Group

SDG No.: Q2558

Contract: NOBI03

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	27.3	+/-50	J	80.0	100	P	07/14/2025	14:16	LB136469
	Antimony	6.76	+/-25	U	12.5	50.0	P	07/14/2025	14:16	LB136469
	Arsenic	5.12	+/-10	U	16.0	20.0	P	07/14/2025	14:16	LB136469
	Barium	14.6	+/-50	U	25.0	100	P	07/14/2025	14:16	LB136469
	Beryllium	0.56	+/-3	U	1.50	6.00	P	07/14/2025	14:16	LB136469
	Cadmium	0.50	+/-3	U	1.50	6.00	P	07/14/2025	14:16	LB136469
	Calcium	234	+/-1000	U	500	2000	P	07/14/2025	14:16	LB136469
	Chromium	2.12	+/-5	U	5.00	10.0	P	07/14/2025	14:16	LB136469
	Cobalt	2.26	+/-15	U	7.50	30.0	P	07/14/2025	14:16	LB136469
	Copper	4.60	+/-10	U	16.0	20.0	P	07/14/2025	14:16	LB136469
	Iron	23.4	+/-50	U	80.0	100	P	07/14/2025	14:16	LB136469
	Lead	2.30	+/-6	U	9.60	12.0	P	07/14/2025	14:16	LB136469
	Magnesium	244	+/-1000	U	500	2000	P	07/14/2025	14:16	LB136469
	Manganese	5.94	+/-10	U	5.00	20.0	P	07/14/2025	14:16	LB136469
	Nickel	3.06	+/-20	U	10.0	40.0	P	07/14/2025	14:16	LB136469
	Potassium	918	+/-1000	U	1600	2000	P	07/14/2025	14:16	LB136469
	Selenium	9.64	+/-10	U	16.0	20.0	P	07/14/2025	14:16	LB136469
	Silver	1.62	+/-5	U	5.00	10.0	P	07/14/2025	14:16	LB136469
	Sodium	868	+/-1000	U	1000	2000	P	07/14/2025	14:16	LB136469
	Thallium	4.38	+/-20	U	20.0	40.0	P	07/14/2025	14:16	LB136469
	Vanadium	6.26	+/-20	U	20.0	40.0	P	07/14/2025	14:16	LB136469
	Zinc	3.50	+/-20	U	15.0	40.0	P	07/14/2025	14:16	LB136469

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Nobis Group

SDG No.: Q2558

Contract: NOBI03

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	11.3	+/-50	U	80.0	100	P	07/14/2025	14:59	LB136469
	Antimony	6.76	+/-25	U	12.5	50.0	P	07/14/2025	14:59	LB136469
	Arsenic	5.12	+/-10	U	16.0	20.0	P	07/14/2025	14:59	LB136469
	Barium	14.6	+/-50	U	25.0	100	P	07/14/2025	14:59	LB136469
	Beryllium	0.56	+/-3	U	1.50	6.00	P	07/14/2025	14:59	LB136469
	Cadmium	0.50	+/-3	U	1.50	6.00	P	07/14/2025	14:59	LB136469
	Calcium	234	+/-1000	U	500	2000	P	07/14/2025	14:59	LB136469
	Chromium	2.12	+/-5	U	5.00	10.0	P	07/14/2025	14:59	LB136469
	Cobalt	2.26	+/-15	U	7.50	30.0	P	07/14/2025	14:59	LB136469
	Copper	4.60	+/-10	U	16.0	20.0	P	07/14/2025	14:59	LB136469
	Iron	23.4	+/-50	U	80.0	100	P	07/14/2025	14:59	LB136469
	Lead	2.30	+/-6	U	9.60	12.0	P	07/14/2025	14:59	LB136469
	Magnesium	244	+/-1000	U	500	2000	P	07/14/2025	14:59	LB136469
	Manganese	5.94	+/-10	U	5.00	20.0	P	07/14/2025	14:59	LB136469
	Nickel	3.06	+/-20	U	10.0	40.0	P	07/14/2025	14:59	LB136469
	Potassium	918	+/-1000	U	1600	2000	P	07/14/2025	14:59	LB136469
	Selenium	9.64	+/-10	U	16.0	20.0	P	07/14/2025	14:59	LB136469
	Silver	1.62	+/-5	U	5.00	10.0	P	07/14/2025	14:59	LB136469
	Sodium	868	+/-1000	U	1000	2000	P	07/14/2025	14:59	LB136469
	Thallium	4.38	+/-20	U	20.0	40.0	P	07/14/2025	14:59	LB136469
	Vanadium	6.26	+/-20	U	20.0	40.0	P	07/14/2025	14:59	LB136469
	Zinc	3.50	+/-20	U	15.0	40.0	P	07/14/2025	14:59	LB136469
CCB02	Aluminum	16.9	+/-50	J	80.0	100	P	07/14/2025	16:57	LB136469
	Antimony	6.76	+/-25	U	12.5	50.0	P	07/14/2025	16:57	LB136469
	Arsenic	5.12	+/-10	U	16.0	20.0	P	07/14/2025	16:57	LB136469
	Barium	14.6	+/-50	U	25.0	100	P	07/14/2025	16:57	LB136469
	Beryllium	0.56	+/-3	U	1.50	6.00	P	07/14/2025	16:57	LB136469
	Cadmium	0.50	+/-3	U	1.50	6.00	P	07/14/2025	16:57	LB136469
	Calcium	234	+/-1000	U	500	2000	P	07/14/2025	16:57	LB136469
	Chromium	2.12	+/-5	U	5.00	10.0	P	07/14/2025	16:57	LB136469
	Cobalt	2.26	+/-15	U	7.50	30.0	P	07/14/2025	16:57	LB136469
	Copper	4.60	+/-10	U	16.0	20.0	P	07/14/2025	16:57	LB136469
	Iron	23.4	+/-50	U	80.0	100	P	07/14/2025	16:57	LB136469
	Lead	2.30	+/-6	U	9.60	12.0	P	07/14/2025	16:57	LB136469
	Magnesium	244	+/-1000	U	500	2000	P	07/14/2025	16:57	LB136469
	Manganese	5.94	+/-10	U	5.00	20.0	P	07/14/2025	16:57	LB136469
	Nickel	3.06	+/-20	U	10.0	40.0	P	07/14/2025	16:57	LB136469
	Potassium	918	+/-1000	U	1600	2000	P	07/14/2025	16:57	LB136469
	Selenium	9.64	+/-10	U	16.0	20.0	P	07/14/2025	16:57	LB136469

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Nobis Group **SDG No.:** Q2558
Contract: NOBI03 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	1.62	+/-5	U	5.00	10.0	P	07/14/2025	16:57	LB136469
	Sodium	868	+/-1000	U	1000	2000	P	07/14/2025	16:57	LB136469
	Thallium	4.38	+/-20	U	20.0	40.0	P	07/14/2025	16:57	LB136469
	Vanadium	6.26	+/-20	U	20.0	40.0	P	07/14/2025	16:57	LB136469
	Zinc	3.50	+/-20	U	15.0	40.0	P	07/14/2025	16:57	LB136469
CCB03	Aluminum	20.5	+/-50	J	80.0	100	P	07/14/2025	18:05	LB136469
	Antimony	6.76	+/-25	U	12.5	50.0	P	07/14/2025	18:05	LB136469
	Arsenic	5.12	+/-10	U	16.0	20.0	P	07/14/2025	18:05	LB136469
	Barium	14.6	+/-50	U	25.0	100	P	07/14/2025	18:05	LB136469
	Beryllium	0.56	+/-3	U	1.50	6.00	P	07/14/2025	18:05	LB136469
	Cadmium	0.50	+/-3	U	1.50	6.00	P	07/14/2025	18:05	LB136469
	Calcium	234	+/-1000	U	500	2000	P	07/14/2025	18:05	LB136469
	Chromium	2.12	+/-5	U	5.00	10.0	P	07/14/2025	18:05	LB136469
	Cobalt	2.26	+/-15	U	7.50	30.0	P	07/14/2025	18:05	LB136469
	Copper	4.60	+/-10	U	16.0	20.0	P	07/14/2025	18:05	LB136469
	Iron	23.4	+/-50	U	80.0	100	P	07/14/2025	18:05	LB136469
	Lead	2.30	+/-6	U	9.60	12.0	P	07/14/2025	18:05	LB136469
	Magnesium	244	+/-1000	U	500	2000	P	07/14/2025	18:05	LB136469
	Manganese	5.94	+/-10	U	5.00	20.0	P	07/14/2025	18:05	LB136469
	Nickel	3.06	+/-20	U	10.0	40.0	P	07/14/2025	18:05	LB136469
	Potassium	918	+/-1000	U	1600	2000	P	07/14/2025	18:05	LB136469
	Selenium	9.64	+/-10	U	16.0	20.0	P	07/14/2025	18:05	LB136469
	Silver	1.62	+/-5	U	5.00	10.0	P	07/14/2025	18:05	LB136469
	Sodium	868	+/-1000	U	1000	2000	P	07/14/2025	18:05	LB136469
	Thallium	4.38	+/-20	U	20.0	40.0	P	07/14/2025	18:05	LB136469
	Vanadium	6.26	+/-20	U	20.0	40.0	P	07/14/2025	18:05	LB136469
	Zinc	3.50	+/-20	U	15.0	40.0	P	07/14/2025	18:05	LB136469
CCB04	Aluminum	11.3	+/-50	U	80.0	100	P	07/14/2025	19:04	LB136469
	Antimony	6.76	+/-25	U	12.5	50.0	P	07/14/2025	19:04	LB136469
	Arsenic	5.12	+/-10	U	16.0	20.0	P	07/14/2025	19:04	LB136469
	Barium	14.6	+/-50	U	25.0	100	P	07/14/2025	19:04	LB136469
	Beryllium	0.56	+/-3	U	1.50	6.00	P	07/14/2025	19:04	LB136469
	Cadmium	0.50	+/-3	U	1.50	6.00	P	07/14/2025	19:04	LB136469
	Calcium	234	+/-1000	U	500	2000	P	07/14/2025	19:04	LB136469
	Chromium	2.12	+/-5	U	5.00	10.0	P	07/14/2025	19:04	LB136469
	Cobalt	2.26	+/-15	U	7.50	30.0	P	07/14/2025	19:04	LB136469
	Copper	4.60	+/-10	U	16.0	20.0	P	07/14/2025	19:04	LB136469
	Iron	23.4	+/-50	U	80.0	100	P	07/14/2025	19:04	LB136469
	Lead	2.30	+/-6	U	9.60	12.0	P	07/14/2025	19:04	LB136469

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Nobis Group **SDG No.:** Q2558
Contract: NOBI03 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	244	+/-1000	U	500	2000	P	07/14/2025	19:04	LB136469
	Manganese	5.94	+/-10	U	5.00	20.0	P	07/14/2025	19:04	LB136469
	Nickel	3.06	+/-20	U	10.0	40.0	P	07/14/2025	19:04	LB136469
	Potassium	918	+/-1000	U	1600	2000	P	07/14/2025	19:04	LB136469
	Selenium	9.64	+/-10	U	16.0	20.0	P	07/14/2025	19:04	LB136469
	Silver	1.62	+/-5	U	5.00	10.0	P	07/14/2025	19:04	LB136469
	Sodium	868	+/-1000	U	1000	2000	P	07/14/2025	19:04	LB136469
	Thallium	4.38	+/-20	U	20.0	40.0	P	07/14/2025	19:04	LB136469
	Vanadium	6.26	+/-20	U	20.0	40.0	P	07/14/2025	19:04	LB136469
	Zinc	3.50	+/-20	U	15.0	40.0	P	07/14/2025	19:04	LB136469
CCB05	Aluminum	18.1	+/-50	J	80.0	100	P	07/14/2025	19:58	LB136469
	Antimony	6.76	+/-25	U	12.5	50.0	P	07/14/2025	19:58	LB136469
	Arsenic	5.12	+/-10	U	16.0	20.0	P	07/14/2025	19:58	LB136469
	Barium	14.6	+/-50	U	25.0	100	P	07/14/2025	19:58	LB136469
	Beryllium	0.56	+/-3	U	1.50	6.00	P	07/14/2025	19:58	LB136469
	Cadmium	0.50	+/-3	U	1.50	6.00	P	07/14/2025	19:58	LB136469
	Calcium	234	+/-1000	U	500	2000	P	07/14/2025	19:58	LB136469
	Chromium	2.12	+/-5	U	5.00	10.0	P	07/14/2025	19:58	LB136469
	Cobalt	2.26	+/-15	U	7.50	30.0	P	07/14/2025	19:58	LB136469
	Copper	4.60	+/-10	U	16.0	20.0	P	07/14/2025	19:58	LB136469
	Iron	23.4	+/-50	U	80.0	100	P	07/14/2025	19:58	LB136469
	Lead	2.30	+/-6	U	9.60	12.0	P	07/14/2025	19:58	LB136469
	Magnesium	244	+/-1000	U	500	2000	P	07/14/2025	19:58	LB136469
	Manganese	5.94	+/-10	U	5.00	20.0	P	07/14/2025	19:58	LB136469
	Nickel	3.06	+/-20	U	10.0	40.0	P	07/14/2025	19:58	LB136469
	Potassium	918	+/-1000	U	1600	2000	P	07/14/2025	19:58	LB136469
	Selenium	9.64	+/-10	U	16.0	20.0	P	07/14/2025	19:58	LB136469
	Silver	1.62	+/-5	U	5.00	10.0	P	07/14/2025	19:58	LB136469
	Sodium	868	+/-1000	U	1000	2000	P	07/14/2025	19:58	LB136469
	Thallium	4.38	+/-20	U	20.0	40.0	P	07/14/2025	19:58	LB136469
CCB06	Vanadium	6.26	+/-20	U	20.0	40.0	P	07/14/2025	19:58	LB136469
	Zinc	3.50	+/-20	U	15.0	40.0	P	07/14/2025	19:58	LB136469
	Aluminum	11.3	+/-50	U	80.0	100	P	07/14/2025	20:11	LB136469
	Antimony	6.76	+/-25	U	12.5	50.0	P	07/14/2025	20:11	LB136469
	Arsenic	5.12	+/-10	U	16.0	20.0	P	07/14/2025	20:11	LB136469
	Barium	14.6	+/-50	U	25.0	100	P	07/14/2025	20:11	LB136469
	Beryllium	0.56	+/-3	U	1.50	6.00	P	07/14/2025	20:11	LB136469
	Cadmium	0.50	+/-3	U	1.50	6.00	P	07/14/2025	20:11	LB136469
	Calcium	234	+/-1000	U	500	2000	P	07/14/2025	20:11	LB136469

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Nobis Group

SDG No.: Q2558

Contract: NOBI03

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Chromium	2.12	+/-5	U	5.00	10.0	P	07/14/2025	20:11	LB136469
	Cobalt	2.26	+/-15	U	7.50	30.0	P	07/14/2025	20:11	LB136469
	Copper	4.60	+/-10	U	16.0	20.0	P	07/14/2025	20:11	LB136469
	Iron	23.4	+/-50	U	80.0	100	P	07/14/2025	20:11	LB136469
	Lead	2.30	+/-6	U	9.60	12.0	P	07/14/2025	20:11	LB136469
	Magnesium	244	+/-1000	U	500	2000	P	07/14/2025	20:11	LB136469
	Manganese	5.94	+/-10	U	5.00	20.0	P	07/14/2025	20:11	LB136469
	Nickel	3.06	+/-20	U	10.0	40.0	P	07/14/2025	20:11	LB136469
	Potassium	918	+/-1000	U	1600	2000	P	07/14/2025	20:11	LB136469
	Selenium	9.64	+/-10	U	16.0	20.0	P	07/14/2025	20:11	LB136469
	Silver	1.62	+/-5	U	5.00	10.0	P	07/14/2025	20:11	LB136469
	Sodium	868	+/-1000	U	1000	2000	P	07/14/2025	20:11	LB136469
	Thallium	4.38	+/-20	U	20.0	40.0	P	07/14/2025	20:11	LB136469
	Vanadium	6.26	+/-20	U	20.0	40.0	P	07/14/2025	20:11	LB136469
	Zinc	3.50	+/-20	U	15.0	40.0	P	07/14/2025	20:11	LB136469

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Nobis Group

SDG No.: Q2558

Contract: NOBI03

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	11.3	+/-50	U	80.0	100	P	07/15/2025	19:42	LB136488
	Antimony	6.76	+/-25	U	12.5	50.0	P	07/15/2025	19:42	LB136488
	Arsenic	5.12	+/-10	U	16.0	20.0	P	07/15/2025	19:42	LB136488
	Barium	14.6	+/-50	U	25.0	100	P	07/15/2025	19:42	LB136488
	Beryllium	0.56	+/-3	U	1.50	6.00	P	07/15/2025	19:42	LB136488
	Cadmium	0.50	+/-3	U	1.50	6.00	P	07/15/2025	19:42	LB136488
	Calcium	234	+/-1000	U	500	2000	P	07/15/2025	19:42	LB136488
	Chromium	2.12	+/-5	U	5.00	10.0	P	07/15/2025	19:42	LB136488
	Cobalt	2.26	+/-15	U	7.50	30.0	P	07/15/2025	19:42	LB136488
	Copper	4.60	+/-10	U	16.0	20.0	P	07/15/2025	19:42	LB136488
	Iron	23.4	+/-50	U	80.0	100	P	07/15/2025	19:42	LB136488
	Lead	2.30	+/-6	U	9.60	12.0	P	07/15/2025	19:42	LB136488
	Magnesium	244	+/-1000	U	500	2000	P	07/15/2025	19:42	LB136488
	Manganese	5.94	+/-10	U	5.00	20.0	P	07/15/2025	19:42	LB136488
	Nickel	3.06	+/-20	U	10.0	40.0	P	07/15/2025	19:42	LB136488
	Potassium	918	+/-1000	U	1600	2000	P	07/15/2025	19:42	LB136488
	Selenium	9.64	+/-10	U	16.0	20.0	P	07/15/2025	19:42	LB136488
	Silver	1.62	+/-5	U	5.00	10.0	P	07/15/2025	19:42	LB136488
	Sodium	868	+/-1000	U	1000	2000	P	07/15/2025	19:42	LB136488
	Thallium	4.38	+/-20	U	20.0	40.0	P	07/15/2025	19:42	LB136488
	Vanadium	6.26	+/-20	U	20.0	40.0	P	07/15/2025	19:42	LB136488
	Zinc	3.50	+/-20	U	15.0	40.0	P	07/15/2025	19:42	LB136488

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Nobis Group **SDG No.:** Q2558
Contract: NOBI03 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	11.3	+/-50	U	80.0	100	P	07/15/2025	20:29	LB136488
	Antimony	6.76	+/-25	U	12.5	50.0	P	07/15/2025	20:29	LB136488
	Arsenic	5.12	+/-10	U	16.0	20.0	P	07/15/2025	20:29	LB136488
	Barium	14.6	+/-50	U	25.0	100	P	07/15/2025	20:29	LB136488
	Beryllium	0.56	+/-3	U	1.50	6.00	P	07/15/2025	20:29	LB136488
	Cadmium	0.50	+/-3	U	1.50	6.00	P	07/15/2025	20:29	LB136488
	Calcium	234	+/-1000	U	500	2000	P	07/15/2025	20:29	LB136488
	Chromium	2.12	+/-5	U	5.00	10.0	P	07/15/2025	20:29	LB136488
	Cobalt	2.26	+/-15	U	7.50	30.0	P	07/15/2025	20:29	LB136488
	Copper	4.60	+/-10	U	16.0	20.0	P	07/15/2025	20:29	LB136488
	Iron	23.4	+/-50	U	80.0	100	P	07/15/2025	20:29	LB136488
	Lead	2.30	+/-6	U	9.60	12.0	P	07/15/2025	20:29	LB136488
	Magnesium	244	+/-1000	U	500	2000	P	07/15/2025	20:29	LB136488
	Manganese	5.94	+/-10	U	5.00	20.0	P	07/15/2025	20:29	LB136488
	Nickel	3.06	+/-20	U	10.0	40.0	P	07/15/2025	20:29	LB136488
	Potassium	918	+/-1000	U	1600	2000	P	07/15/2025	20:29	LB136488
	Selenium	9.64	+/-10	U	16.0	20.0	P	07/15/2025	20:29	LB136488
	Silver	1.62	+/-5	U	5.00	10.0	P	07/15/2025	20:29	LB136488
	Sodium	868	+/-1000	U	1000	2000	P	07/15/2025	20:29	LB136488
	Thallium	4.38	+/-20	U	20.0	40.0	P	07/15/2025	20:29	LB136488
	Vanadium	6.26	+/-20	U	20.0	40.0	P	07/15/2025	20:29	LB136488
	Zinc	3.50	+/-20	U	15.0	40.0	P	07/15/2025	20:29	LB136488
CCB02	Aluminum	11.3	+/-50	U	80.0	100	P	07/15/2025	22:17	LB136488
	Antimony	6.76	+/-25	U	12.5	50.0	P	07/15/2025	22:17	LB136488
	Arsenic	5.12	+/-10	U	16.0	20.0	P	07/15/2025	22:17	LB136488
	Barium	14.6	+/-50	U	25.0	100	P	07/15/2025	22:17	LB136488
	Beryllium	0.56	+/-3	U	1.50	6.00	P	07/15/2025	22:17	LB136488
	Cadmium	0.50	+/-3	U	1.50	6.00	P	07/15/2025	22:17	LB136488
	Calcium	234	+/-1000	U	500	2000	P	07/15/2025	22:17	LB136488
	Chromium	2.12	+/-5	U	5.00	10.0	P	07/15/2025	22:17	LB136488
	Cobalt	2.26	+/-15	U	7.50	30.0	P	07/15/2025	22:17	LB136488
	Copper	4.60	+/-10	U	16.0	20.0	P	07/15/2025	22:17	LB136488
	Iron	23.4	+/-50	U	80.0	100	P	07/15/2025	22:17	LB136488
	Lead	2.30	+/-6	U	9.60	12.0	P	07/15/2025	22:17	LB136488
	Magnesium	244	+/-1000	U	500	2000	P	07/15/2025	22:17	LB136488
	Manganese	5.94	+/-10	U	5.00	20.0	P	07/15/2025	22:17	LB136488
	Nickel	3.06	+/-20	U	10.0	40.0	P	07/15/2025	22:17	LB136488
	Potassium	918	+/-1000	U	1600	2000	P	07/15/2025	22:17	LB136488
	Selenium	9.64	+/-10	U	16.0	20.0	P	07/15/2025	22:17	LB136488

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Nobis Group

SDG No.: Q2558

Contract: NOBI03

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	1.62	+/-5	U	5.00	10.0	P	07/15/2025	22:17	LB136488
	Sodium	868	+/-1000	U	1000	2000	P	07/15/2025	22:17	LB136488
	Thallium	4.38	+/-20	U	20.0	40.0	P	07/15/2025	22:17	LB136488
	Vanadium	6.26	+/-20	U	20.0	40.0	P	07/15/2025	22:17	LB136488
	Zinc	3.50	+/-20	U	15.0	40.0	P	07/15/2025	22:17	LB136488
CCB03	Aluminum	11.3	+/-50	U	80.0	100	P	07/15/2025	22:43	LB136488
	Antimony	6.76	+/-25	U	12.5	50.0	P	07/15/2025	22:43	LB136488
	Arsenic	5.12	+/-10	U	16.0	20.0	P	07/15/2025	22:43	LB136488
	Barium	14.6	+/-50	U	25.0	100	P	07/15/2025	22:43	LB136488
	Beryllium	0.56	+/-3	U	1.50	6.00	P	07/15/2025	22:43	LB136488
	Cadmium	0.50	+/-3	U	1.50	6.00	P	07/15/2025	22:43	LB136488
	Calcium	234	+/-1000	U	500	2000	P	07/15/2025	22:43	LB136488
	Chromium	2.12	+/-5	U	5.00	10.0	P	07/15/2025	22:43	LB136488
	Cobalt	2.26	+/-15	U	7.50	30.0	P	07/15/2025	22:43	LB136488
	Copper	4.60	+/-10	U	16.0	20.0	P	07/15/2025	22:43	LB136488
	Iron	23.4	+/-50	U	80.0	100	P	07/15/2025	22:43	LB136488
	Lead	2.30	+/-6	U	9.60	12.0	P	07/15/2025	22:43	LB136488
	Magnesium	244	+/-1000	U	500	2000	P	07/15/2025	22:43	LB136488
	Manganese	5.94	+/-10	U	5.00	20.0	P	07/15/2025	22:43	LB136488
	Nickel	3.06	+/-20	U	10.0	40.0	P	07/15/2025	22:43	LB136488
	Potassium	918	+/-1000	U	1600	2000	P	07/15/2025	22:43	LB136488
	Selenium	9.64	+/-10	U	16.0	20.0	P	07/15/2025	22:43	LB136488
	Silver	1.62	+/-5	U	5.00	10.0	P	07/15/2025	22:43	LB136488
	Sodium	868	+/-1000	U	1000	2000	P	07/15/2025	22:43	LB136488
	Thallium	4.38	+/-20	U	20.0	40.0	P	07/15/2025	22:43	LB136488
	Vanadium	6.26	+/-20	U	20.0	40.0	P	07/15/2025	22:43	LB136488
	Zinc	3.50	+/-20	U	15.0	40.0	P	07/15/2025	22:43	LB136488

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Nobis Group

SDG No.: Q2558

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	LOD mg/Kg	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB168821BL		SOLID		Batch Number:		PB168821		Prep Date:	07/10/2025	
	Mercury	0.0080	<0.013	U	0.011	0.013	CV	07/11/2025	14:35	LB136438

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Nobis Group

SDG No.: Q2558

Instrument: P5

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	LOD mg/Kg	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB168806BL	SOLID			Batch Number:		PB168806		Prep Date:	07/11/2025	
	Aluminum	0.84	<2.5	U	4.00	5.00	P	07/14/2025	18:15	LB136469
	Antimony	0.22	<1.25	U	0.63	2.50	P	07/14/2025	18:15	LB136469
	Arsenic	0.19	<0.5	U	0.80	1.00	P	07/14/2025	18:15	LB136469
	Barium	0.73	<2.5	U	1.25	5.00	P	07/14/2025	18:15	LB136469
	Beryllium	0.025	<0.15	U	0.075	0.30	P	07/14/2025	18:15	LB136469
	Cadmium	0.024	<0.15	U	0.075	0.30	P	07/14/2025	18:15	LB136469
	Calcium	11.1	<50	U	25.0	100	P	07/14/2025	18:15	LB136469
	Chromium	0.047	<0.25	U	0.13	0.50	P	07/14/2025	18:15	LB136469
	Cobalt	0.10	<0.75	U	0.38	1.50	P	07/14/2025	18:15	LB136469
	Copper	0.22	<0.5	U	0.80	1.00	P	07/14/2025	18:15	LB136469
	Iron	3.99	<2.5	U	4.00	5.00	P	07/14/2025	18:15	LB136469
	Lead	0.13	<0.3	U	0.48	0.60	P	07/14/2025	18:15	LB136469
	Magnesium	12.0	<50	U	25.0	100	P	07/14/2025	18:15	LB136469
	Manganese	0.14	<0.5	U	0.25	1.00	P	07/14/2025	18:15	LB136469
	Nickel	0.13	<1	U	0.50	2.00	P	07/14/2025	18:15	LB136469
	Potassium	27.7	<50	U	80.0	100	P	07/14/2025	18:15	LB136469
	Selenium	0.26	<0.5	U	0.80	1.00	P	07/14/2025	18:15	LB136469
	Silver	0.12	<0.25	U	0.25	0.50	P	07/14/2025	18:15	LB136469
	Sodium	17.8	<50	U	80.0	100	P	07/14/2025	18:15	LB136469
	Thallium	0.23	<1	U	1.00	2.00	P	07/14/2025	18:15	LB136469
	Vanadium	0.25	<1	U	1.00	2.00	P	07/14/2025	18:15	LB136469
	Zinc	0.11	<1	U	0.50	2.00	P	07/14/2025	18:15	LB136469

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: <u>Nobis Group</u>	SDG No.: <u>Q2558</u>
Contract: <u>NOBI03</u>	Lab Code: <u>ACE</u>
ICS Source: <u>EPA</u>	Instrument ID: <u>P5</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	258000	250000	103	216000	294000	07/14/2025	14:37	LB136469
	Antimony	20.8			-50	50	07/14/2025	14:37	LB136469
	Arsenic	2.40			-20	20	07/14/2025	14:37	LB136469
	Barium	6.88	6.0	115	-94	106	07/14/2025	14:37	LB136469
	Beryllium	1.18			-6	6	07/14/2025	14:37	LB136469
	Cadmium	-0.081	1.0	8	-5	7	07/14/2025	14:37	LB136469
	Calcium	248000	240000	103	208000	282000	07/14/2025	14:37	LB136469
	Chromium	53.4	52.0	103	42	62	07/14/2025	14:37	LB136469
	Cobalt	-17.9			-30	30	07/14/2025	14:37	LB136469
	Copper	-6.35	2.0	318	-18	22	07/14/2025	14:37	LB136469
	Iron	99000	100000	99	85600	116500	07/14/2025	14:37	LB136469
	Lead	4.49			-12	12	07/14/2025	14:37	LB136469
	Magnesium	256000	260000	98	216000	294000	07/14/2025	14:37	LB136469
	Manganese	7.27	7.0	104	-13	27	07/14/2025	14:37	LB136469
	Nickel	17.4	2.0	870	-38	42	07/14/2025	14:37	LB136469
	Potassium	6.93			0	0	07/14/2025	14:37	LB136469
	Selenium	-9.51			-20	20	07/14/2025	14:37	LB136469
	Silver	4.04			-10	10	07/14/2025	14:37	LB136469
	Sodium	99.1			0	0	07/14/2025	14:37	LB136469
	Thallium	21.9			-40	40	07/14/2025	14:37	LB136469
	Vanadium	0.58			-40	40	07/14/2025	14:37	LB136469
	Zinc	11.6			-40	40	07/14/2025	14:37	LB136469
ICSAB01	Aluminum	248000	250000	99	209000	285000	07/14/2025	14:41	LB136469
	Antimony	626	620	101	525	711	07/14/2025	14:41	LB136469
	Arsenic	96.3	100	96	88.4	120	07/14/2025	14:41	LB136469
	Barium	508	540	94	437	637	07/14/2025	14:41	LB136469
	Beryllium	515	500	103	420	570	07/14/2025	14:41	LB136469
	Cadmium	996	970	103	826	1120	07/14/2025	14:41	LB136469
	Calcium	241000	230000	105	199000	271000	07/14/2025	14:41	LB136469
	Chromium	555	540	103	460	624	07/14/2025	14:41	LB136469
	Cobalt	473	480	98	404	548	07/14/2025	14:41	LB136469
	Copper	485	510	95	434	588	07/14/2025	14:41	LB136469
	Iron	97200	99000	98	84400	114500	07/14/2025	14:41	LB136469
	Lead	46.0	49.0	94	37	61	07/14/2025	14:41	LB136469
	Magnesium	246000	250000	98	210000	286000	07/14/2025	14:41	LB136469
	Manganese	492	510	96	430	584	07/14/2025	14:41	LB136469
	Nickel	998	950	105	810	1100	07/14/2025	14:41	LB136469
	Potassium	6.60			0	0	07/14/2025	14:41	LB136469
	Selenium	35.1	46.0	76	26	66	07/14/2025	14:41	LB136469
	Silver	217	200	108	170	232	07/14/2025	14:41	LB136469
	Sodium	118			0	0	07/14/2025	14:41	LB136469
	Thallium	104	110	94	68	148	07/14/2025	14:41	LB136469

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: <u>Nobis Group</u>	SDG No.: <u>Q2558</u>
Contract: <u>NOBI03</u>	Lab Code: <u>ACE</u>
ICS Source: <u>EPA</u>	Instrument ID: <u>P5</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
ICSAB01	Vanadium	483	490	99	417	565	07/14/2025	14:41	LB136469
	Zinc	1010	950	106	809	1095	07/14/2025	14:41	LB136469
ICSA01	Aluminum	239000	250000	96	216000	294000	07/15/2025	20:01	LB136488
	Antimony	23.5			-50	50	07/15/2025	20:01	LB136488
	Arsenic	-5.02			-20	20	07/15/2025	20:01	LB136488
	Barium	8.98	6.0	150	-94	106	07/15/2025	20:01	LB136488
	Beryllium	1.32			-6	6	07/15/2025	20:01	LB136488
	Cadmium	-1.36	1.0	136	-5	7	07/15/2025	20:01	LB136488
	Calcium	235000	240000	98	208000	282000	07/15/2025	20:01	LB136488
	Chromium	46.9	52.0	90	42	62	07/15/2025	20:01	LB136488
	Cobalt	2.07			-30	30	07/15/2025	20:01	LB136488
	Copper	-6.09	2.0	304	-18	22	07/15/2025	20:01	LB136488
	Iron	99100	100000	99	85600	116500	07/15/2025	20:01	LB136488
	Lead	1.80			-12	12	07/15/2025	20:01	LB136488
	Magnesium	254000	260000	98	216000	294000	07/15/2025	20:01	LB136488
	Manganese	5.23	7.0	75	-13	27	07/15/2025	20:01	LB136488
	Nickel	3.59	2.0	180	-38	42	07/15/2025	20:01	LB136488
	Potassium	0.67			0	0	07/15/2025	20:01	LB136488
	Selenium	-6.59			-20	20	07/15/2025	20:01	LB136488
	Silver	-4.70			-10	10	07/15/2025	20:01	LB136488
	Sodium	140			0	0	07/15/2025	20:01	LB136488
	Thallium	1.76			-40	40	07/15/2025	20:01	LB136488
	Vanadium	2.24			-40	40	07/15/2025	20:01	LB136488
	Zinc	11.6			-40	40	07/15/2025	20:01	LB136488
ICSAB01	Aluminum	236000	250000	94	209000	285000	07/15/2025	20:05	LB136488
	Antimony	578	620	93	525	711	07/15/2025	20:05	LB136488
	Arsenic	94.1	100	94	88.4	120	07/15/2025	20:05	LB136488
	Barium	535	540	99	437	637	07/15/2025	20:05	LB136488
	Beryllium	511	500	102	420	570	07/15/2025	20:05	LB136488
	Cadmium	963	970	99	826	1120	07/15/2025	20:05	LB136488
	Calcium	233000	230000	101	199000	271000	07/15/2025	20:05	LB136488
	Chromium	502	540	93	460	624	07/15/2025	20:05	LB136488
	Cobalt	478	480	100	404	548	07/15/2025	20:05	LB136488
	Copper	487	510	96	434	588	07/15/2025	20:05	LB136488
	Iron	99500	99000	100	84400	114500	07/15/2025	20:05	LB136488
	Lead	48.0	49.0	98	37	61	07/15/2025	20:05	LB136488
	Magnesium	253000	250000	101	210000	286000	07/15/2025	20:05	LB136488
	Manganese	511	510	100	430	584	07/15/2025	20:05	LB136488
	Nickel	953	950	100	810	1100	07/15/2025	20:05	LB136488
	Potassium	-3.20			0	0	07/15/2025	20:05	LB136488
	Selenium	41.7	46.0	91	26	66	07/15/2025	20:05	LB136488
	Silver	190	200	95	170	232	07/15/2025	20:05	LB136488

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: <u>Nobis Group</u>	SDG No.: <u>Q2558</u>
Contract: <u>NOBI03</u>	Lab Code: <u>ACE</u>
ICS Source: <u>EPA</u>	Instrument ID: <u>P5</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
ICSAB01	Sodium	155			0	0	07/15/2025	20:05	LB136488
	Thallium	83.7	110	76	68	148	07/15/2025	20:05	LB136488
	Vanadium	506	490	103	417	565	07/15/2025	20:05	LB136488
	Zinc	1040	950	110	809	1095	07/15/2025	20:05	LB136488



METAL QC DATA

metals
- 5a -
MATRIX SPIKE SUMMARY

client: Nobis Group level: low sdg no.: Q2558
contract: NOBI03 lab code: ACE
matrix: Solid sample id: Q2558-03 client id: OU4-TS-Grillo-OG-070925MS
Percent Solids for Sample: 78.7 Spiked ID: Q2558-03MS Percent Solids for Spike Sample: 78.7

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

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: <u>Nobis Group</u>	level: <u>low</u>	sdg no.: <u>Q2558</u>
contract: <u>NOBI03</u>		lab code: <u>ACE</u>
matrix: <u>Solid</u>	sample id: <u>Q2558-03</u>	client id: <u>OU4-TS-Grillo-OG-070925MSD</u>
Percent Solids for Sample: <u>78.7</u>	Spiked ID: <u>Q2558-03MSD</u>	Percent Solids for Spike Sample: <u>78.7</u>

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

metals
- 5a -
MATRIX SPIKE SUMMARY

client: <u>Nobis Group</u>	level: <u>low</u>	sdg no.: <u>Q2558</u>
contract: <u>NOBI03</u>		lab code: <u>ACE</u>
matrix: <u>Solid</u>	sample id: <u>Q2564-05</u>	client id: <u>ARS20-0039MS</u>
Percent Solids for Sample: 87.2	Spiked ID: Q2564-05MS	Percent Solids for Spike Sample: 87.2

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	74 - 119	7450		5580		98.0	1906		P
Antimony	mg/Kg	79 - 114	13.9		1.32	J	39.2	32	N	P
Arsenic	mg/Kg	82 - 111	49.4		9.90		39.2	101		P
Barium	mg/Kg	83 - 113	39.4		29.6		9.8	99		P
Beryllium	mg/Kg	83 - 113	9.83		0.57		9.8	94		P
Cadmium	mg/Kg	82 - 113	9.97		0.30	U	9.8	102		P
Calcium	mg/Kg	81 - 116	2970		3050		49.0	-165		P
Chromium	mg/Kg	85 - 113	29.2		11.5		19.6	90		P
Cobalt	mg/Kg	85 - 112	9.95		1.52	U	9.8	102		P
Copper	mg/Kg	81 - 117	29.0		13.8		14.7	103		P
Iron	mg/Kg	81 - 118	14400		13800		150	414		P
Lead	mg/Kg	81 - 112	157		104		49.0	109		P
Magnesium	mg/Kg	78 - 115	1660		1550		98.0	118		P
Manganese	mg/Kg	84 - 114	128		123		9.8	60		P
Nickel	mg/Kg	83 - 113	32.6		6.94		24.5	105		P
Potassium	mg/Kg	81 - 116	1100		678		490	86		P
Selenium	mg/Kg	78 - 111	80.6		2.95		98.0	79		P
Silver	mg/Kg	82 - 112	2.78		0.51	U	3.7	76	N	P
Sodium	mg/Kg	83 - 118	254		128		150	86		P
Thallium	mg/Kg	83 - 111	96.3		2.02	U	98.0	98		P
Vanadium	mg/Kg	82 - 114	38.7		21.9		14.7	115	N	P
Zinc	mg/Kg	82 - 113	74.8		73.7		9.8	12		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: Nobis Group **level:** low **sdg no.:** Q2558
contract: NOBI03 **lab code:** ACE
matrix: Solid **sample id:** Q2564-05 **client id:** ARS20-0039MSD

Percent Solids for Sample: 87.2 **Spiked ID:** Q2564-05MSD **Percent Solids for Spike Sample:** 87.2

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	74 - 119	7250		5580		110	1571		P
Antimony	mg/Kg	79 - 114	15.1		1.32	J	42.5	32	N	P
Arsenic	mg/Kg	82 - 111	57.7		9.90		42.5	113	N	P
Barium	mg/Kg	83 - 113	39.6		29.6		10.6	94		P
Beryllium	mg/Kg	83 - 113	10.9		0.57		10.6	98		P
Cadmium	mg/Kg	82 - 113	10.8		0.30	U	10.6	102		P
Calcium	mg/Kg	81 - 116	2640		3050		53.1	-786		P
Chromium	mg/Kg	85 - 113	31.6		11.5		21.2	94		P
Cobalt	mg/Kg	85 - 112	10.7		1.52	U	10.6	101		P
Copper	mg/Kg	81 - 117	32.7		13.8		15.9	118	N	P
Iron	mg/Kg	81 - 118	14700		13800		160	566		P
Lead	mg/Kg	81 - 112	172		104		53.1	128	N	P
Magnesium	mg/Kg	78 - 115	1490		1550		110	-51		P
Manganese	mg/Kg	84 - 114	125		123		10.6	24		P
Nickel	mg/Kg	83 - 113	34.9		6.94		26.5	105		P
Potassium	mg/Kg	81 - 116	1220		678		530	101		P
Selenium	mg/Kg	78 - 111	88.4		2.95		110	80		P
Silver	mg/Kg	82 - 112	3.15		0.51	U	4.0	79	N	P
Sodium	mg/Kg	83 - 118	292		128		160	103		P
Thallium	mg/Kg	83 - 111	105		2.02	U	110	99		P
Vanadium	mg/Kg	82 - 114	40.3		21.9		15.9	116	N	P
Zinc	mg/Kg	82 - 113	84.0		73.7		10.6	98		P

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: Nobis Group **SDG No.:** Q2558
Contract: NOBI03 **Lab Code:** ACE
Matrix: Solid **Level:** LOW **Client ID:** OU4-TS-Grillo-OG-070925A
Sample ID: Q2558-03 **Spiked ID:** Q2558-03A

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

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: <u>Nobis Group</u>	SDG No.: <u>Q2558</u>	
Contract: <u>NOBI03</u>	Lab Code: <u>ACE</u>	
Matrix: <u>Solid</u>	Level: <u>LOW</u>	Client ID: <u>ARS20-0039A</u>
Sample ID: <u>Q2564-05</u>	Spiked ID: <u>Q2564-05A</u>	

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	mg/Kg	79 - 114	33.6		1.32	J	40.4	80		P
Arsenic	mg/Kg	82 - 111	48.6		9.90		40.4	96		P
Copper	mg/Kg	81 - 117	28.6		13.8		15.2	97		P
Lead	mg/Kg	81 - 112	149		104		50.5	90		P
Silver	mg/Kg	82 - 112	2.75		0.51	U	3.80	72	N	P
Vanadium	mg/Kg	82 - 114	36.3		21.9		15.2	95		P

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	<u>Nobis Group</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q2558</u>
Contract:	<u>NOBI03</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>Q2558-03</u>	Client ID:	<u>OU4-TS-Grillo-OG-070925DUP</u>
Percent Solids for Sample:	<u>78.7</u>	Duplicate ID	<u>Q2558-03DUP</u>	Percent Solids for Spike Sample:	<u>78.7</u>

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

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>Nobis Group</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q2558</u>
Contract:	<u>NOBI03</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>Q2558-03MS</u>	Client ID:	<u>OU4-TS-Grillo-OG-070925MSD</u>
Percent Solids for Sample:	<u>78.7</u>	Duplicate ID	<u>Q2558-03MSD</u>	Percent Solids for Spike Sample:	<u>78.7</u>

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

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>Nobis Group</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q2558</u>
Contract:	<u>NOBI03</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>Q2564-05</u>	Client ID:	<u>ARS20-0039DUP</u>
Percent Solids for Sample:	87.2	Duplicate ID	Q2564-05DUP	Percent Solids for Spike Sample:	87.2

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	5580		5550		1		P
Antimony	mg/Kg	20	1.32	J	1.10	J	18		P
Arsenic	mg/Kg	20	9.90		10.1		2		P
Barium	mg/Kg	20	29.6		27.6		7		P
Beryllium	mg/Kg	20	0.57		0.56		1		P
Cadmium	mg/Kg	20	0.30	U	0.30	U			P
Calcium	mg/Kg	20	3050		2700		12		P
Chromium	mg/Kg	20	11.5		11.4		1		P
Cobalt	mg/Kg	20	1.52	U	1.48	U			P
Copper	mg/Kg	20	13.8		50.0		113	*	P
Iron	mg/Kg	20	13800		14000		1		P
Lead	mg/Kg	20	104		113		8		P
Magnesium	mg/Kg	20	1550		1380		12		P
Manganese	mg/Kg	20	123		115		7		P
Nickel	mg/Kg	20	6.94		6.03		14		P
Potassium	mg/Kg	20	678		592		14		P
Selenium	mg/Kg	20	2.95		3.09		5		P
Silver	mg/Kg	20	0.51	U	0.49	U			P
Sodium	mg/Kg	20	128		139		8		P
Thallium	mg/Kg	20	2.02	U	1.97	U			P
Vanadium	mg/Kg	20	21.9		22.3		2		P
Zinc	mg/Kg	20	73.7		74.0		0		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>Nobis Group</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q2558</u>
Contract:	<u>NOBI03</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>Q2564-05MS</u>	Client ID:	<u>ARS20-0039MSD</u>
Percent Solids for Sample:	87.2	Duplicate ID	Q2564-05MSD	Percent Solids for Spike Sample:	87.2

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	7450		7250		3		P
Antimony	mg/Kg	20	13.9		15.1		8		P
Arsenic	mg/Kg	20	49.4		57.7		15		P
Barium	mg/Kg	20	39.4		39.6		1		P
Beryllium	mg/Kg	20	9.83		10.9		11		P
Cadmium	mg/Kg	20	9.97		10.8		8		P
Calcium	mg/Kg	20	2970		2640		12		P
Chromium	mg/Kg	20	29.2		31.6		8		P
Cobalt	mg/Kg	20	9.95		10.7		8		P
Copper	mg/Kg	20	29.0		32.7		12		P
Iron	mg/Kg	20	14400		14700		2		P
Lead	mg/Kg	20	157		172		9		P
Magnesium	mg/Kg	20	1660		1490		11		P
Manganese	mg/Kg	20	128		125		2		P
Nickel	mg/Kg	20	32.6		34.9		7		P
Potassium	mg/Kg	20	1100		1220		10		P
Selenium	mg/Kg	20	80.6		88.4		9		P
Silver	mg/Kg	20	2.78		3.15		12		P
Sodium	mg/Kg	20	254		292		14		P
Thallium	mg/Kg	20	96.3		105		9		P
Vanadium	mg/Kg	20	38.7		40.3		4		P
Zinc	mg/Kg	20	74.8		84.0		12		P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client:	<u>Nobis Group</u>	SDG No.:	<u>Q2558</u>
Contract:	<u>NOBI03</u>	Lab Code:	<u>ACE</u>

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168806BS							
Aluminum	mg/Kg	100	100		100	74 - 119	P
Antimony	mg/Kg	40.0	39.1		98	79 - 114	P
Arsenic	mg/Kg	40.0	35.6		89	82 - 111	P
Barium	mg/Kg	10.0	10.0		100	83 - 113	P
Beryllium	mg/Kg	10.0	10.6		106	83 - 113	P
Cadmium	mg/Kg	10.0	9.50		95	82 - 113	P
Calcium	mg/Kg	50.0	50.4	J	101	81 - 116	P
Chromium	mg/Kg	20.0	20.2		101	85 - 113	P
Cobalt	mg/Kg	10.0	9.66		97	85 - 112	P
Copper	mg/Kg	15.0	16.4		109	81 - 117	P
Iron	mg/Kg	150	170		113	81 - 118	P
Lead	mg/Kg	50.0	47.3		95	81 - 112	P
Magnesium	mg/Kg	100	105		105	78 - 115	P
Manganese	mg/Kg	10.0	10.2		102	84 - 114	P
Nickel	mg/Kg	25.0	24.3		97	83 - 113	P
Potassium	mg/Kg	500	462		92	81 - 116	P
Selenium	mg/Kg	100	97.7		98	78 - 111	P
Silver	mg/Kg	3.8	3.51		92	82 - 112	P
Sodium	mg/Kg	150	153		102	83 - 118	P
Thallium	mg/Kg	100	101		101	83 - 111	P
Vanadium	mg/Kg	15.0	14.7		98	82 - 114	P
Zinc	mg/Kg	10.0	10.3		102	82 - 113	P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Nobis Group

SDG No.: Q2558

Contract: NOBI03

Lab Code: ACE

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

Metals

-9 -

ICP SERIAL DILUTIONS

SAMPLE NO.

OU4-TS-Grillo-OG-070925L

Lab Name: Alliance

Contract: NOBI03

Lab Code: ACE

Lb No.: lb136438

Lab Sample ID : Q2558-03L

SDG No.: Q2558

Matrix (soil/water): Solid

Level (low/med): LOW

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I) C	Serial Dilution Result (S) C	% Differ- ence	Q	M
Mercury	0.035	0.077 U	100.0		CV

Metals
-9 -
ICP SERIAL DILUTIONS

SAMPLE NO.

ARS20-0039L

Lab Name: Alliance **Contract:** NOBI03
Lab Code: ACE **Lb No.:** lb136488 **Lab Sample ID :** Q2564-05L **SDG No.:** Q2558
Matrix (soil/water): Solid **Level (low/med):** LOW
Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Differ-ence	Q	M
Aluminum	5580		6360		14		P
Antimony	1.32	J	12.6	U	100.0		P
Arsenic	9.90		9.36		5		P
Barium	29.6		34.2		16		P
Beryllium	0.57		0.64	J	12		P
Cadmium	0.30	U	1.52	U			P
Calcium	3050		3500		14		P
Chromium	11.5		12.8		11		P
Cobalt	1.52	U	7.58	U			P
Copper	13.8		16.0		16		P
Iron	13800		16900		22		P
Lead	104		101		3		P
Magnesium	1550		1800		17		P
Manganese	123		141		15		P
Nickel	6.94		6.59	J	5		P
Potassium	678		497	J	27		P
Selenium	2.95		3.24	J	10		P
Silver	0.51	U	2.53	U			P
Sodium	128		141	J	10		P
Thallium	2.02	U	10.1	U			P
Vanadium	21.9		24.4		12		P
Zinc	73.7		82.2		12		P



METAL PREPARATION & INSTRUMENT DATA

Metals

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ICP INTERELEMEN CORRECTION FACTORS

Client: Nobis Group

SDG No.: Q2558

Contract: NOBI03

Lab Code: ACE

Instrument ID: _____

Date: _____

Interement Correction Factors (apparent ppb analyte/ppm interferent)

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

Metals

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ICP INTERELEMEN CORRECTION FACTORS

Client: Nobis Group

SDG No.: Q2558

Contract: NOBI03

Lab Code: ACE

Instrument ID: _____

Date: _____

Interement Correction Factors (apparent ppb analyte/ppm interferent)

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

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Nobis Group

SDG No.: Q2558

Contract: NOBI03

Lab Code: ACE

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

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

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Nobis Group

SDG No.: Q2558

Contract: NOBI03

Lab Code: ACE

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

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

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Nobis Group

SDG No.: Q2558

Contract: NOBI03

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
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SAMPLE PREPARATION SUMMARY

Client: Nobis Group

SDG No.: Q2558

Contract: NOBI03

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: PB168806							
PB168806BL	PB168806BL	MB	SOLID	07/11/2025	2.00	100.0	100.00
PB168806BS	PB168806BS	LCS	SOLID	07/11/2025	2.00	100.0	100.00
Q2558-01	OU4-TS-Denali-070925	SAM	SOLID	07/11/2025	2.20	100.0	79.60
Q2558-03	OU4-TS-Grillo-OG-070925	SAM	SOLID	07/11/2025	2.34	100.0	78.70
Q2564-05DUP	ARS20-0039DUP	DUP	SOLID	07/11/2025	2.33	100.0	87.20
Q2564-05MS	ARS20-0039MS	MS	SOLID	07/11/2025	2.34	100.0	87.20
Q2564-05MSD	ARS20-0039MSD	MSD	SOLID	07/11/2025	2.16	100.0	87.20

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SAMPLE PREPARATION SUMMARY

Client: Nobis Group

SDG No.: Q2558

Contract: NOBI03

Lab Code: ACE

Method: _____

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB168821							
PB168821BL	PB168821BL	MB	SOLID	07/10/2025	0.52	35.0	100.00
PB168821BS	PB168821BS	LCS	SOLID	07/10/2025	0.54	35.0	100.00
Q2558-01	OU4-TS-Denali-070925	SAM	SOLID	07/10/2025	0.55	35.0	79.60
Q2558-03	OU4-TS-Grillo-OG-070925	SAM	SOLID	07/10/2025	0.58	35.0	78.70
Q2558-03DUP	OU4-TS-Grillo-OG-070925DUP	DUP	SOLID	07/10/2025	0.57	35.0	78.70
Q2558-03MS	OU4-TS-Grillo-OG-070925MS	MS	SOLID	07/10/2025	0.56	35.0	78.70
Q2558-03MSD	OU4-TS-Grillo-OG-070925MSD	MSD	SOLID	07/10/2025	0.56	35.0	78.70

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ANALYSIS RUN LOG

Client: Nobis Group

Contract: NOBI03

Lab code: ACE

Sdg no.: Q2558

Instrument id number: _____

Method: _____

Run number: LB136438

Start date: 07/11/2025

End date: 07/11/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1356	HG
S0.2	S0.2	1	1358	HG
S2.5	S2.5	1	1400	HG
S5	S5	1	1403	HG
S7.5	S7.5	1	1405	HG
S10	S10	1	1410	HG
ICV25	ICV25	1	1413	HG
ICB25	ICB25	1	1415	HG
CCV82	CCV82	1	1418	HG
CCB82	CCB82	1	1425	HG
CRA	CRA	1	1428	HG
PB168821BL	PB168821BL	1	1435	HG
PB168821BS	PB168821BS	1	1440	HG
CCV83	CCV83	1	1456	HG
CCB83	CCB83	1	1501	HG
Q2558-01	OU4-TS-Denali-070925	1	1524	HG
CCV84	CCV84	1	1526	HG
CCB84	CCB84	1	1529	HG
Q2558-03	OU4-TS-Grillo-OG-070925	1	1536	HG
Q2558-03DUP	OU4-TS-Grillo-OG-070925DUP	1	1538	HG
Q2558-03MS	OU4-TS-Grillo-OG-070925MS	1	1541	HG
Q2558-03MSD	OU4-TS-Grillo-OG-070925MSE	1	1543	HG
CCV85	CCV85	1	1602	HG
CCB85	CCB85	1	1604	HG
Q2558-03L	OU4-TS-Grillo-OG-070925L	5	1623	HG
Q2558-03A	OU4-TS-Grillo-OG-070925A	1	1625	HG
CCV86	CCV86	1	1632	HG
CCB86	CCB86	1	1634	HG

metals
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ANALYSIS RUN LOG

Client: Nobis Group

Contract: NOBI03

Lab code: ACE

Sdg no.: Q2558

Instrument id number: _____

Method: _____

Run number: LB136469

Start date: 07/14/2025

End date: 07/14/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1305	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	1309	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	1314	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	1318	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	1322	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	1326	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	1344	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	1416	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	1426	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	1437	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	1441	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	1454	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	1459	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	1601	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLCCV01	LLCCV01	1	1627	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	1657	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	1801	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	1805	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB168806BL	PB168806BL	1	1815	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB168806BS	PB168806BS	1	1833	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1900	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1904	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2558-01	OU4-TS-Denali-070925	1	1944	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2558-03	OU4-TS-Grillo-OG-070925	1	1949	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	1953	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	1958	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV06	CCV06	1	2007	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB06	CCB06	1	2011	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

metals
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ANALYSIS RUN LOG

Client: Nobis Group

Contract: NOBI03

Lab code: ACE

Sdg no.: Q2558

Instrument id number: _____

Method: _____

Run number: LB136488

Start date: 07/15/2025

End date: 07/15/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1901	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	1905	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	1910	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	1914	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	1918	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	1922	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	1927	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	1937	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	1942	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	1956	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	2001	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	2005	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	2025	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	2029	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2564-05DUP	ARS20-0039DUP	1	2111	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2564-05L	ARS20-0039L	5	2115	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2564-05MS	ARS20-0039MS	1	2120	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2564-05MSD	ARS20-0039MSD	1	2124	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2564-05A	ARS20-0039A	1	2129	Ag,As,Cu,Pb,Sb,V
CCV02	CCV02	1	2212	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	2217	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	2239	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	2243	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn