

LAB CHRONICLE

OrderID:	Q2638	OrderDate:	7/18/2025 10:07:00 AM
Client:	Nobis Group	Project:	Raymark Superfund Site
Contact:	Adam Roy	Location:	O21,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2638-01	OU4-TS-31-071725	SOIL			07/17/25			07/18/25
			Mercury	7471B		07/18/25	07/21/25	
			Metals ICP-TAL	6010D		07/18/25	07/21/25	
Q2638-02	OU4-TS-31-071725	Water			07/17/25			07/18/25
			SPLP Mercury	7470A		07/21/25	07/22/25	
			SPLP MetalGroup3	6020B		07/21/25	07/22/25	
Q2638-03	OU4-TS-32-071725	SOIL			07/17/25			07/18/25
			Mercury	7471B		07/18/25	07/21/25	
			Metals ICP-TAL	6010D		07/18/25	07/21/25	
Q2638-04	OU4-TS-32-071725	Water			07/17/25			07/18/25
			SPLP Mercury	7470A		07/21/25	07/22/25	
			SPLP MetalGroup3	6020B		07/21/25	07/22/25	
			SPLP MetalGroup3	6020B		07/21/25	07/24/25	
Q2638-05	OU4-TS-33-071725	SOIL			07/17/25			07/18/25
			Mercury	7471B		07/18/25	07/21/25	
			Metals ICP-TAL	6010D		07/18/25	07/21/25	
Q2638-06	OU4-TS-33-071725	Water			07/17/25			07/18/25
			SPLP Mercury	7470A		07/21/25	07/22/25	
			SPLP MetalGroup3	6020B		07/21/25	07/22/25	
			SPLP MetalGroup3	6020B		07/21/25	07/24/25	
Q2638-07	OU4-TS-34-071725	SOIL			07/17/25			07/18/25
			Mercury	7471B		07/18/25	07/21/25	
			Metals ICP-TAL	6010D		07/18/25	07/21/25	
Q2638-08	OU4-TS-34-071725	Water			07/17/25			07/18/25
			SPLP Mercury	7470A		07/21/25	07/22/25	

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			SPLP MetalGroup3	6020B		07/21/25	07/22/25	
			SPLP MetalGroup3	6020B		07/21/25	07/24/25	
Q2638-09	OU4-TS-35-071725	SOIL			07/17/25			07/18/25
			Mercury	7471B		07/18/25	07/21/25	
			Metals ICP-TAL	6010D		07/18/25	07/21/25	
Q2638-10	OU4-TS-35-071725	Water			07/17/25			07/18/25
			SPLP Mercury	7470A		07/21/25	07/22/25	
			SPLP MetalGroup3	6020B		07/21/25	07/22/25	
			SPLP MetalGroup3	6020B		07/21/25	07/24/25	
Q2638-11	OU4-TS-36-071725	SOIL			07/17/25			07/18/25
			Mercury	7471B		07/18/25	07/21/25	
			Metals ICP-TAL	6010D		07/18/25	07/21/25	
Q2638-12	OU4-TS-36-071725	Water			07/17/25			07/18/25
			SPLP Mercury	7470A		07/21/25	07/22/25	
			SPLP MetalGroup3	6020B		07/21/25	07/22/25	
			SPLP MetalGroup3	6020B		07/21/25	07/24/25	
Q2638-13	OU4-TS-37-071725	SOIL			07/17/25			07/18/25
			Mercury	7471B		07/18/25	07/21/25	
			Metals ICP-TAL	6010D		07/18/25	07/21/25	
Q2638-14	OU4-TS-37-071725	Water			07/17/25			07/18/25
			SPLP Mercury	7470A		07/21/25	07/22/25	
			SPLP MetalGroup3	6020B		07/21/25	07/22/25	
			SPLP MetalGroup3	6020B		07/21/25	07/24/25	

Hit Summary Sheet
SW-846

SDG No.: Q2638 **Order ID:** Q2638
Client: Nobis Group **Project ID:** Raymark Superfund Site

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : OU4-TS-31-071725									
Q2638-01	OU4-TS-31-071725	SOIL	Aluminum	14200		1.15	5.47	6.83	mg/Kg
Q2638-01	OU4-TS-31-071725	SOIL	Arsenic	18.1		0.26	1.09	1.37	mg/Kg
Q2638-01	OU4-TS-31-071725	SOIL	Barium	104		1.00	1.71	6.83	mg/Kg
Q2638-01	OU4-TS-31-071725	SOIL	Beryllium	0.72		0.034	0.10	0.41	mg/Kg
Q2638-01	OU4-TS-31-071725	SOIL	Cadmium	0.59		0.033	0.10	0.41	mg/Kg
Q2638-01	OU4-TS-31-071725	SOIL	Calcium	5850		15.2	34.2	137	mg/Kg
Q2638-01	OU4-TS-31-071725	SOIL	Chromium	19.4		0.064	0.17	0.68	mg/Kg
Q2638-01	OU4-TS-31-071725	SOIL	Cobalt	14.0		0.14	0.51	2.05	mg/Kg
Q2638-01	OU4-TS-31-071725	SOIL	Copper	60.0		0.30	1.09	1.37	mg/Kg
Q2638-01	OU4-TS-31-071725	SOIL	Iron	22700		5.45	5.47	6.83	mg/Kg
Q2638-01	OU4-TS-31-071725	SOIL	Lead	26.5		0.18	0.66	0.82	mg/Kg
Q2638-01	OU4-TS-31-071725	SOIL	Magnesium	5140		16.4	34.2	137	mg/Kg
Q2638-01	OU4-TS-31-071725	SOIL	Manganese	444		0.19	0.34	1.37	mg/Kg
Q2638-01	OU4-TS-31-071725	SOIL	Mercury	0.030		0.011	0.016	0.020	mg/Kg
Q2638-01	OU4-TS-31-071725	SOIL	Nickel	25.3		0.18	0.68	2.73	mg/Kg
Q2638-01	OU4-TS-31-071725	SOIL	Potassium	4990		37.8	109	137	mg/Kg
Q2638-01	OU4-TS-31-071725	SOIL	Silver	5.09		0.16	0.34	0.68	mg/Kg
Q2638-01	OU4-TS-31-071725	SOIL	Sodium	240		24.3	109	137	mg/Kg
Q2638-01	OU4-TS-31-071725	SOIL	Thallium	1.61	J	0.31	1.37	2.73	mg/Kg
Q2638-01	OU4-TS-31-071725	SOIL	Vanadium	33.3		0.34	1.37	2.73	mg/Kg
Q2638-01	OU4-TS-31-071725	SOIL	Zinc	82.2		0.31	0.68	2.73	mg/Kg
Client ID : OU4-TS-32-071725									
Q2638-03	OU4-TS-32-071725	SOIL	Aluminum	11900		1.13	5.39	6.74	mg/Kg
Q2638-03	OU4-TS-32-071725	SOIL	Arsenic	18.5		0.26	1.08	1.35	mg/Kg
Q2638-03	OU4-TS-32-071725	SOIL	Barium	90.7		0.98	1.68	6.74	mg/Kg
Q2638-03	OU4-TS-32-071725	SOIL	Beryllium	0.62		0.034	0.10	0.40	mg/Kg
Q2638-03	OU4-TS-32-071725	SOIL	Cadmium	0.45		0.032	0.10	0.40	mg/Kg
Q2638-03	OU4-TS-32-071725	SOIL	Calcium	6240		15.0	33.7	135	mg/Kg
Q2638-03	OU4-TS-32-071725	SOIL	Chromium	17.3		0.063	0.17	0.67	mg/Kg
Q2638-03	OU4-TS-32-071725	SOIL	Cobalt	11.5		0.14	0.51	2.02	mg/Kg
Q2638-03	OU4-TS-32-071725	SOIL	Copper	55.4		0.30	1.08	1.35	mg/Kg
Q2638-03	OU4-TS-32-071725	SOIL	Iron	19900		5.38	5.39	6.74	mg/Kg
Q2638-03	OU4-TS-32-071725	SOIL	Lead	24.5		0.18	0.65	0.81	mg/Kg
Q2638-03	OU4-TS-32-071725	SOIL	Magnesium	4620		16.2	33.7	135	mg/Kg
Q2638-03	OU4-TS-32-071725	SOIL	Manganese	401		0.19	0.34	1.35	mg/Kg
Q2638-03	OU4-TS-32-071725	SOIL	Mercury	0.071		0.011	0.015	0.019	mg/Kg
Q2638-03	OU4-TS-32-071725	SOIL	Nickel	21.4		0.18	0.67	2.69	mg/Kg

Hit Summary Sheet
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SDG No.: Q2638

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Project ID: Raymark Superfund Site

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Q2638-03	OU4-TS-32-071725	SOIL	Potassium	4450	J	37.3	108	135	mg/Kg
Q2638-03	OU4-TS-32-071725	SOIL	Silver	4.51		0.16	0.34	0.67	mg/Kg
Q2638-03	OU4-TS-32-071725	SOIL	Sodium	246		24.0	108	135	mg/Kg
Q2638-03	OU4-TS-32-071725	SOIL	Thallium	1.39		0.31	1.35	2.69	mg/Kg
Q2638-03	OU4-TS-32-071725	SOIL	Vanadium	29.8		0.34	1.35	2.69	mg/Kg
Q2638-03	OU4-TS-32-071725	SOIL	Zinc	77.3		0.31	0.67	2.69	mg/Kg
Client ID : OU4-TS-33-071725									
Q2638-05	OU4-TS-33-071725	SOIL	Aluminum	13800	J	1.16	5.54	6.93	mg/Kg
Q2638-05	OU4-TS-33-071725	SOIL	Arsenic	22.1		0.26	1.11	1.39	mg/Kg
Q2638-05	OU4-TS-33-071725	SOIL	Barium	107		1.01	1.73	6.93	mg/Kg
Q2638-05	OU4-TS-33-071725	SOIL	Beryllium	0.74		0.035	0.10	0.42	mg/Kg
Q2638-05	OU4-TS-33-071725	SOIL	Cadmium	0.71		0.033	0.10	0.42	mg/Kg
Q2638-05	OU4-TS-33-071725	SOIL	Calcium	5450		15.4	34.7	139	mg/Kg
Q2638-05	OU4-TS-33-071725	SOIL	Chromium	19.0		0.065	0.17	0.69	mg/Kg
Q2638-05	OU4-TS-33-071725	SOIL	Cobalt	13.8		0.14	0.52	2.08	mg/Kg
Q2638-05	OU4-TS-33-071725	SOIL	Copper	62.3		0.31	1.11	1.39	mg/Kg
Q2638-05	OU4-TS-33-071725	SOIL	Iron	21500		5.53	5.54	6.93	mg/Kg
Q2638-05	OU4-TS-33-071725	SOIL	Lead	33.0		0.18	0.67	0.83	mg/Kg
Q2638-05	OU4-TS-33-071725	SOIL	Magnesium	5040		16.6	34.7	139	mg/Kg
Q2638-05	OU4-TS-33-071725	SOIL	Manganese	471		0.19	0.35	1.39	mg/Kg
Q2638-05	OU4-TS-33-071725	SOIL	Mercury	0.067		0.011	0.015	0.019	mg/Kg
Q2638-05	OU4-TS-33-071725	SOIL	Nickel	24.5		0.18	0.69	2.77	mg/Kg
Q2638-05	OU4-TS-33-071725	SOIL	Potassium	4710		38.4	111	139	mg/Kg
Q2638-05	OU4-TS-33-071725	SOIL	Silver	4.66		0.17	0.35	0.69	mg/Kg
Q2638-05	OU4-TS-33-071725	SOIL	Sodium	217		24.7	111	139	mg/Kg
Q2638-05	OU4-TS-33-071725	SOIL	Thallium	1.47		0.32	1.39	2.77	mg/Kg
Q2638-05	OU4-TS-33-071725	SOIL	Vanadium	33.3		0.35	1.39	2.77	mg/Kg
Q2638-05	OU4-TS-33-071725	SOIL	Zinc	81.3		0.32	0.69	2.77	mg/Kg
Client ID : OU4-TS-34-071725									
Q2638-07	OU4-TS-34-071725	SOIL	Aluminum	12300		1.01	4.79	5.98	mg/Kg
Q2638-07	OU4-TS-34-071725	SOIL	Arsenic	18.3		0.23	0.96	1.20	mg/Kg
Q2638-07	OU4-TS-34-071725	SOIL	Barium	88.3		0.87	1.50	5.98	mg/Kg
Q2638-07	OU4-TS-34-071725	SOIL	Beryllium	0.67		0.030	0.090	0.36	mg/Kg
Q2638-07	OU4-TS-34-071725	SOIL	Cadmium	0.56		0.029	0.090	0.36	mg/Kg
Q2638-07	OU4-TS-34-071725	SOIL	Calcium	5530		13.3	29.9	120	mg/Kg
Q2638-07	OU4-TS-34-071725	SOIL	Chromium	17.3		0.056	0.15	0.60	mg/Kg
Q2638-07	OU4-TS-34-071725	SOIL	Cobalt	12.6		0.12	0.45	1.79	mg/Kg
Q2638-07	OU4-TS-34-071725	SOIL	Copper	56.7		0.26	0.96	1.20	mg/Kg
Q2638-07	OU4-TS-34-071725	SOIL	Iron	20000		4.77	4.79	5.98	mg/Kg

Hit Summary Sheet
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SDG No.: Q2638 **Order ID:** Q2638
Client: Nobis Group **Project ID:** Raymark Superfund Site

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Q2638-07	OU4-TS-34-071725	SOIL	Lead	24.8		0.16	0.57	0.72	mg/Kg
Q2638-07	OU4-TS-34-071725	SOIL	Magnesium	4620		14.4	29.9	120	mg/Kg
Q2638-07	OU4-TS-34-071725	SOIL	Manganese	416		0.17	0.30	1.20	mg/Kg
Q2638-07	OU4-TS-34-071725	SOIL	Mercury	0.069		0.011	0.015	0.019	mg/Kg
Q2638-07	OU4-TS-34-071725	SOIL	Nickel	22.3		0.16	0.60	2.39	mg/Kg
Q2638-07	OU4-TS-34-071725	SOIL	Potassium	4350		33.1	95.7	120	mg/Kg
Q2638-07	OU4-TS-34-071725	SOIL	Silver	4.43		0.14	0.30	0.60	mg/Kg
Q2638-07	OU4-TS-34-071725	SOIL	Sodium	209		21.3	95.7	120	mg/Kg
Q2638-07	OU4-TS-34-071725	SOIL	Thallium	1.41	J	0.28	1.20	2.39	mg/Kg
Q2638-07	OU4-TS-34-071725	SOIL	Vanadium	30.3		0.30	1.20	2.39	mg/Kg
Q2638-07	OU4-TS-34-071725	SOIL	Zinc	74.2		0.28	0.60	2.39	mg/Kg
Client ID : OU4-TS-35-071725									
Q2638-09	OU4-TS-35-071725	SOIL	Aluminum	11600		0.91	4.35	5.44	mg/Kg
Q2638-09	OU4-TS-35-071725	SOIL	Arsenic	9.83		0.21	0.87	1.09	mg/Kg
Q2638-09	OU4-TS-35-071725	SOIL	Barium	84.0		0.80	1.36	5.44	mg/Kg
Q2638-09	OU4-TS-35-071725	SOIL	Beryllium	0.62		0.027	0.082	0.33	mg/Kg
Q2638-09	OU4-TS-35-071725	SOIL	Cadmium	0.61		0.026	0.082	0.33	mg/Kg
Q2638-09	OU4-TS-35-071725	SOIL	Calcium	2740		12.1	27.2	109	mg/Kg
Q2638-09	OU4-TS-35-071725	SOIL	Chromium	23.9		0.051	0.14	0.54	mg/Kg
Q2638-09	OU4-TS-35-071725	SOIL	Cobalt	13.3		0.11	0.41	1.63	mg/Kg
Q2638-09	OU4-TS-35-071725	SOIL	Copper	71.1		0.24	0.87	1.09	mg/Kg
Q2638-09	OU4-TS-35-071725	SOIL	Iron	21800		4.34	4.35	5.44	mg/Kg
Q2638-09	OU4-TS-35-071725	SOIL	Lead	26.8		0.14	0.52	0.65	mg/Kg
Q2638-09	OU4-TS-35-071725	SOIL	Magnesium	5180		13.1	27.2	109	mg/Kg
Q2638-09	OU4-TS-35-071725	SOIL	Manganese	357		0.15	0.27	1.09	mg/Kg
Q2638-09	OU4-TS-35-071725	SOIL	Mercury	0.068		0.0090	0.014	0.017	mg/Kg
Q2638-09	OU4-TS-35-071725	SOIL	Nickel	22.7		0.14	0.54	2.18	mg/Kg
Q2638-09	OU4-TS-35-071725	SOIL	Potassium	4350		30.1	87.1	109	mg/Kg
Q2638-09	OU4-TS-35-071725	SOIL	Silver	4.92		0.13	0.27	0.54	mg/Kg
Q2638-09	OU4-TS-35-071725	SOIL	Sodium	93.0	J	19.4	87.1	109	mg/Kg
Q2638-09	OU4-TS-35-071725	SOIL	Thallium	1.16	J	0.25	1.09	2.18	mg/Kg
Q2638-09	OU4-TS-35-071725	SOIL	Vanadium	33.2		0.27	1.09	2.18	mg/Kg
Q2638-09	OU4-TS-35-071725	SOIL	Zinc	82.9		0.25	0.54	2.18	mg/Kg
Client ID : OU4-TS-36-071725									
Q2638-11	OU4-TS-36-071725	SOIL	Aluminum	11400		0.85	4.05	5.07	mg/Kg
Q2638-11	OU4-TS-36-071725	SOIL	Arsenic	9.50		0.19	0.81	1.01	mg/Kg
Q2638-11	OU4-TS-36-071725	SOIL	Barium	81.3		0.74	1.27	5.07	mg/Kg
Q2638-11	OU4-TS-36-071725	SOIL	Beryllium	0.60		0.025	0.076	0.30	mg/Kg
Q2638-11	OU4-TS-36-071725	SOIL	Cadmium	0.57		0.024	0.076	0.30	mg/Kg

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Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Q2638-11	OU4-TS-36-071725	SOIL	Calcium	2710		11.2	25.3	101	mg/Kg
Q2638-11	OU4-TS-36-071725	SOIL	Chromium	23.0		0.048	0.13	0.51	mg/Kg
Q2638-11	OU4-TS-36-071725	SOIL	Cobalt	13.0		0.10	0.38	1.52	mg/Kg
Q2638-11	OU4-TS-36-071725	SOIL	Copper	67.9		0.22	0.81	1.01	mg/Kg
Q2638-11	OU4-TS-36-071725	SOIL	Iron	20600		4.04	4.05	5.07	mg/Kg
Q2638-11	OU4-TS-36-071725	SOIL	Lead	26.4		0.13	0.49	0.61	mg/Kg
Q2638-11	OU4-TS-36-071725	SOIL	Magnesium	5000		12.2	25.3	101	mg/Kg
Q2638-11	OU4-TS-36-071725	SOIL	Manganese	344		0.14	0.25	1.01	mg/Kg
Q2638-11	OU4-TS-36-071725	SOIL	Mercury	0.062		0.0080	0.012	0.014	mg/Kg
Q2638-11	OU4-TS-36-071725	SOIL	Nickel	22.1		0.13	0.51	2.03	mg/Kg
Q2638-11	OU4-TS-36-071725	SOIL	Potassium	4140		28.1	81.1	101	mg/Kg
Q2638-11	OU4-TS-36-071725	SOIL	Silver	4.61		0.12	0.25	0.51	mg/Kg
Q2638-11	OU4-TS-36-071725	SOIL	Sodium	84.6	J	18.0	81.1	101	mg/Kg
Q2638-11	OU4-TS-36-071725	SOIL	Thallium	1.24	J	0.23	1.01	2.03	mg/Kg
Q2638-11	OU4-TS-36-071725	SOIL	Vanadium	32.1		0.25	1.01	2.03	mg/Kg
Q2638-11	OU4-TS-36-071725	SOIL	Zinc	78.8		0.23	0.51	2.03	mg/Kg

Client ID : OU4-TS-37-071725

Q2638-13	OU4-TS-37-071725	SOIL	Aluminum	11300		0.93	4.42	5.52	mg/Kg
Q2638-13	OU4-TS-37-071725	SOIL	Arsenic	9.62		0.21	0.88	1.10	mg/Kg
Q2638-13	OU4-TS-37-071725	SOIL	Barium	79.6		0.81	1.38	5.52	mg/Kg
Q2638-13	OU4-TS-37-071725	SOIL	Beryllium	0.61		0.028	0.083	0.33	mg/Kg
Q2638-13	OU4-TS-37-071725	SOIL	Cadmium	0.53		0.027	0.083	0.33	mg/Kg
Q2638-13	OU4-TS-37-071725	SOIL	Calcium	2620		12.3	27.6	110	mg/Kg
Q2638-13	OU4-TS-37-071725	SOIL	Chromium	22.8		0.052	0.14	0.55	mg/Kg
Q2638-13	OU4-TS-37-071725	SOIL	Cobalt	12.8		0.11	0.41	1.66	mg/Kg
Q2638-13	OU4-TS-37-071725	SOIL	Copper	69.1		0.24	0.88	1.10	mg/Kg
Q2638-13	OU4-TS-37-071725	SOIL	Iron	20400		4.41	4.42	5.52	mg/Kg
Q2638-13	OU4-TS-37-071725	SOIL	Lead	27.8		0.14	0.53	0.66	mg/Kg
Q2638-13	OU4-TS-37-071725	SOIL	Magnesium	4960		13.3	27.6	110	mg/Kg
Q2638-13	OU4-TS-37-071725	SOIL	Manganese	343		0.16	0.28	1.10	mg/Kg
Q2638-13	OU4-TS-37-071725	SOIL	Mercury	0.049		0.010	0.014	0.017	mg/Kg
Q2638-13	OU4-TS-37-071725	SOIL	Nickel	22.1		0.14	0.55	2.21	mg/Kg
Q2638-13	OU4-TS-37-071725	SOIL	Potassium	4010		30.6	88.4	110	mg/Kg
Q2638-13	OU4-TS-37-071725	SOIL	Silver	4.56		0.13	0.28	0.55	mg/Kg
Q2638-13	OU4-TS-37-071725	SOIL	Sodium	78.3	J	19.7	88.4	110	mg/Kg
Q2638-13	OU4-TS-37-071725	SOIL	Thallium	1.26	J	0.25	1.10	2.21	mg/Kg
Q2638-13	OU4-TS-37-071725	SOIL	Vanadium	31.4		0.28	1.10	2.21	mg/Kg
Q2638-13	OU4-TS-37-071725	SOIL	Zinc	79.7		0.25	0.55	2.21	mg/Kg



SAMPLE DATA

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-31-071725	SDG No.:	Q2638
Lab Sample ID:	Q2638-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	68.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	14200		1	1.15	5.47	6.83	mg/Kg	07/18/25 14:50	07/21/25 15:31	6010D	SW3050
7440-36-0	Antimony	0.85	UN	1	0.30	0.85	3.42	mg/Kg	07/18/25 14:50	07/21/25 15:31	6010D	SW3050
7440-38-2	Arsenic	18.1	N	1	0.26	1.09	1.37	mg/Kg	07/18/25 14:50	07/21/25 15:31	6010D	SW3050
7440-39-3	Barium	104		1	1.00	1.71	6.83	mg/Kg	07/18/25 14:50	07/21/25 15:31	6010D	SW3050
7440-41-7	Beryllium	0.72	N	1	0.034	0.10	0.41	mg/Kg	07/18/25 14:50	07/21/25 15:31	6010D	SW3050
7440-43-9	Cadmium	0.59	*	1	0.033	0.10	0.41	mg/Kg	07/18/25 14:50	07/21/25 15:31	6010D	SW3050
7440-70-2	Calcium	5850		1	15.2	34.2	137	mg/Kg	07/18/25 14:50	07/21/25 15:31	6010D	SW3050
7440-47-3	Chromium	19.4	N	1	0.064	0.17	0.68	mg/Kg	07/18/25 14:50	07/21/25 15:31	6010D	SW3050
7440-48-4	Cobalt	14.0	N	1	0.14	0.51	2.05	mg/Kg	07/18/25 14:50	07/21/25 15:31	6010D	SW3050
7440-50-8	Copper	60.0		1	0.30	1.09	1.37	mg/Kg	07/18/25 14:50	07/21/25 15:31	6010D	SW3050
7439-89-6	Iron	22700		1	5.45	5.47	6.83	mg/Kg	07/18/25 14:50	07/21/25 15:31	6010D	SW3050
7439-92-1	Lead	26.5		1	0.18	0.66	0.82	mg/Kg	07/18/25 14:50	07/21/25 15:31	6010D	SW3050
7439-95-4	Magnesium	5140		1	16.4	34.2	137	mg/Kg	07/18/25 14:50	07/21/25 15:31	6010D	SW3050
7439-96-5	Manganese	444		1	0.19	0.34	1.37	mg/Kg	07/18/25 14:50	07/21/25 15:31	6010D	SW3050
7439-97-6	Mercury	0.030		1	0.011	0.016	0.020	mg/Kg	07/18/25 15:50	07/21/25 12:33	7471B	
7440-02-0	Nickel	25.3		1	0.18	0.68	2.73	mg/Kg	07/18/25 14:50	07/21/25 15:31	6010D	SW3050
7440-09-7	Potassium	4990		1	37.8	109	137	mg/Kg	07/18/25 14:50	07/21/25 15:31	6010D	SW3050
7782-49-2	Selenium	1.09	UN	1	0.36	1.09	1.37	mg/Kg	07/18/25 14:50	07/21/25 15:31	6010D	SW3050
7440-22-4	Silver	5.09	N	1	0.16	0.34	0.68	mg/Kg	07/18/25 14:50	07/21/25 15:31	6010D	SW3050
7440-23-5	Sodium	240		1	24.3	109	137	mg/Kg	07/18/25 14:50	07/21/25 15:31	6010D	SW3050
7440-28-0	Thallium	1.61	J	1	0.31	1.37	2.73	mg/Kg	07/18/25 14:50	07/21/25 15:31	6010D	SW3050
7440-62-2	Vanadium	33.3		1	0.34	1.37	2.73	mg/Kg	07/18/25 14:50	07/21/25 15:31	6010D	SW3050
7440-66-6	Zinc	82.2		1	0.31	0.68	2.73	mg/Kg	07/18/25 14:50	07/21/25 15:31	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:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-32-071725	SDG No.:	Q2638
Lab Sample ID:	Q2638-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	65.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	11900		1	1.13	5.39	6.74	mg/Kg	07/18/25 14:50	07/21/25 15:39	6010D	SW3050
7440-36-0	Antimony	0.84	UN	1	0.30	0.84	3.37	mg/Kg	07/18/25 14:50	07/21/25 15:39	6010D	SW3050
7440-38-2	Arsenic	18.5	N	1	0.26	1.08	1.35	mg/Kg	07/18/25 14:50	07/21/25 15:39	6010D	SW3050
7440-39-3	Barium	90.7		1	0.98	1.68	6.74	mg/Kg	07/18/25 14:50	07/21/25 15:39	6010D	SW3050
7440-41-7	Beryllium	0.62	N	1	0.034	0.10	0.40	mg/Kg	07/18/25 14:50	07/21/25 15:39	6010D	SW3050
7440-43-9	Cadmium	0.45	*	1	0.032	0.10	0.40	mg/Kg	07/18/25 14:50	07/21/25 15:39	6010D	SW3050
7440-70-2	Calcium	6240		1	15.0	33.7	135	mg/Kg	07/18/25 14:50	07/21/25 15:39	6010D	SW3050
7440-47-3	Chromium	17.3	N	1	0.063	0.17	0.67	mg/Kg	07/18/25 14:50	07/21/25 15:39	6010D	SW3050
7440-48-4	Cobalt	11.5	N	1	0.14	0.51	2.02	mg/Kg	07/18/25 14:50	07/21/25 15:39	6010D	SW3050
7440-50-8	Copper	55.4		1	0.30	1.08	1.35	mg/Kg	07/18/25 14:50	07/21/25 15:39	6010D	SW3050
7439-89-6	Iron	19900		1	5.38	5.39	6.74	mg/Kg	07/18/25 14:50	07/21/25 15:39	6010D	SW3050
7439-92-1	Lead	24.5		1	0.18	0.65	0.81	mg/Kg	07/18/25 14:50	07/21/25 15:39	6010D	SW3050
7439-95-4	Magnesium	4620		1	16.2	33.7	135	mg/Kg	07/18/25 14:50	07/21/25 15:39	6010D	SW3050
7439-96-5	Manganese	401		1	0.19	0.34	1.35	mg/Kg	07/18/25 14:50	07/21/25 15:39	6010D	SW3050
7439-97-6	Mercury	0.071		1	0.011	0.015	0.019	mg/Kg	07/18/25 15:50	07/21/25 12:35	7471B	
7440-02-0	Nickel	21.4		1	0.18	0.67	2.69	mg/Kg	07/18/25 14:50	07/21/25 15:39	6010D	SW3050
7440-09-7	Potassium	4450		1	37.3	108	135	mg/Kg	07/18/25 14:50	07/21/25 15:39	6010D	SW3050
7782-49-2	Selenium	1.08	UN	1	0.35	1.08	1.35	mg/Kg	07/18/25 14:50	07/21/25 15:39	6010D	SW3050
7440-22-4	Silver	4.51	N	1	0.16	0.34	0.67	mg/Kg	07/18/25 14:50	07/21/25 15:39	6010D	SW3050
7440-23-5	Sodium	246		1	24.0	108	135	mg/Kg	07/18/25 14:50	07/21/25 15:39	6010D	SW3050
7440-28-0	Thallium	1.39	J	1	0.31	1.35	2.69	mg/Kg	07/18/25 14:50	07/21/25 15:39	6010D	SW3050
7440-62-2	Vanadium	29.8		1	0.34	1.35	2.69	mg/Kg	07/18/25 14:50	07/21/25 15:39	6010D	SW3050
7440-66-6	Zinc	77.3		1	0.31	0.67	2.69	mg/Kg	07/18/25 14:50	07/21/25 15:39	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:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-33-071725	SDG No.:	Q2638
Lab Sample ID:	Q2638-05	Matrix:	SOIL
Level (low/med):	low	% Solid:	64.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	13800		1	1.16	5.54	6.93	mg/Kg	07/18/25 14:50	07/21/25 15:55	6010D	SW3050
7440-36-0	Antimony	0.87	UN	1	0.31	0.87	3.47	mg/Kg	07/18/25 14:50	07/21/25 15:55	6010D	SW3050
7440-38-2	Arsenic	22.1	N	1	0.26	1.11	1.39	mg/Kg	07/18/25 14:50	07/21/25 15:55	6010D	SW3050
7440-39-3	Barium	107		1	1.01	1.73	6.93	mg/Kg	07/18/25 14:50	07/21/25 15:55	6010D	SW3050
7440-41-7	Beryllium	0.74	N	1	0.035	0.10	0.42	mg/Kg	07/18/25 14:50	07/21/25 15:55	6010D	SW3050
7440-43-9	Cadmium	0.71	*	1	0.033	0.10	0.42	mg/Kg	07/18/25 14:50	07/21/25 15:55	6010D	SW3050
7440-70-2	Calcium	5450		1	15.4	34.7	139	mg/Kg	07/18/25 14:50	07/21/25 15:55	6010D	SW3050
7440-47-3	Chromium	19.0	N	1	0.065	0.17	0.69	mg/Kg	07/18/25 14:50	07/21/25 15:55	6010D	SW3050
7440-48-4	Cobalt	13.8	N	1	0.14	0.52	2.08	mg/Kg	07/18/25 14:50	07/21/25 15:55	6010D	SW3050
7440-50-8	Copper	62.3		1	0.31	1.11	1.39	mg/Kg	07/18/25 14:50	07/21/25 15:55	6010D	SW3050
7439-89-6	Iron	21500		1	5.53	5.54	6.93	mg/Kg	07/18/25 14:50	07/21/25 15:55	6010D	SW3050
7439-92-1	Lead	33.0		1	0.18	0.67	0.83	mg/Kg	07/18/25 14:50	07/21/25 15:55	6010D	SW3050
7439-95-4	Magnesium	5040		1	16.6	34.7	139	mg/Kg	07/18/25 14:50	07/21/25 15:55	6010D	SW3050
7439-96-5	Manganese	471		1	0.19	0.35	1.39	mg/Kg	07/18/25 14:50	07/21/25 15:55	6010D	SW3050
7439-97-6	Mercury	0.067		1	0.011	0.015	0.019	mg/Kg	07/18/25 15:50	07/21/25 12:37	7471B	
7440-02-0	Nickel	24.5		1	0.18	0.69	2.77	mg/Kg	07/18/25 14:50	07/21/25 15:55	6010D	SW3050
7440-09-7	Potassium	4710		1	38.4	111	139	mg/Kg	07/18/25 14:50	07/21/25 15:55	6010D	SW3050
7782-49-2	Selenium	1.11	UN	1	0.36	1.11	1.39	mg/Kg	07/18/25 14:50	07/21/25 15:55	6010D	SW3050
7440-22-4	Silver	4.66	N	1	0.17	0.35	0.69	mg/Kg	07/18/25 14:50	07/21/25 15:55	6010D	SW3050
7440-23-5	Sodium	217		1	24.7	111	139	mg/Kg	07/18/25 14:50	07/21/25 15:55	6010D	SW3050
7440-28-0	Thallium	1.47	J	1	0.32	1.39	2.77	mg/Kg	07/18/25 14:50	07/21/25 15:55	6010D	SW3050
7440-62-2	Vanadium	33.3		1	0.35	1.39	2.77	mg/Kg	07/18/25 14:50	07/21/25 15:55	6010D	SW3050
7440-66-6	Zinc	81.3		1	0.32	0.69	2.77	mg/Kg	07/18/25 14:50	07/21/25 15:55	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:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-34-071725	SDG No.:	Q2638
Lab Sample ID:	Q2638-07	Matrix:	SOIL
Level (low/med):	low	% Solid:	68.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	12300		1	1.01	4.79	5.98	mg/Kg	07/18/25 14:50	07/21/25 16:00	6010D	SW3050
7440-36-0	Antimony	0.75	UN	1	0.26	0.75	2.99	mg/Kg	07/18/25 14:50	07/21/25 16:00	6010D	SW3050
7440-38-2	Arsenic	18.3	N	1	0.23	0.96	1.20	mg/Kg	07/18/25 14:50	07/21/25 16:00	6010D	SW3050
7440-39-3	Barium	88.3		1	0.87	1.50	5.98	mg/Kg	07/18/25 14:50	07/21/25 16:00	6010D	SW3050
7440-41-7	Beryllium	0.67	N	1	0.030	0.090	0.36	mg/Kg	07/18/25 14:50	07/21/25 16:00	6010D	SW3050
7440-43-9	Cadmium	0.56	*	1	0.029	0.090	0.36	mg/Kg	07/18/25 14:50	07/21/25 16:00	6010D	SW3050
7440-70-2	Calcium	5530		1	13.3	29.9	120	mg/Kg	07/18/25 14:50	07/21/25 16:00	6010D	SW3050
7440-47-3	Chromium	17.3	N	1	0.056	0.15	0.60	mg/Kg	07/18/25 14:50	07/21/25 16:00	6010D	SW3050
7440-48-4	Cobalt	12.6	N	1	0.12	0.45	1.79	mg/Kg	07/18/25 14:50	07/21/25 16:00	6010D	SW3050
7440-50-8	Copper	56.7		1	0.26	0.96	1.20	mg/Kg	07/18/25 14:50	07/21/25 16:00	6010D	SW3050
7439-89-6	Iron	20000		1	4.77	4.79	5.98	mg/Kg	07/18/25 14:50	07/21/25 16:00	6010D	SW3050
7439-92-1	Lead	24.8		1	0.16	0.57	0.72	mg/Kg	07/18/25 14:50	07/21/25 16:00	6010D	SW3050
7439-95-4	Magnesium	4620		1	14.4	29.9	120	mg/Kg	07/18/25 14:50	07/21/25 16:00	6010D	SW3050
7439-96-5	Manganese	416		1	0.17	0.30	1.20	mg/Kg	07/18/25 14:50	07/21/25 16:00	6010D	SW3050
7439-97-6	Mercury	0.069		1	0.011	0.015	0.019	mg/Kg	07/18/25 15:50	07/21/25 12:40	7471B	
7440-02-0	Nickel	22.3		1	0.16	0.60	2.39	mg/Kg	07/18/25 14:50	07/21/25 16:00	6010D	SW3050
7440-09-7	Potassium	4350		1	33.1	95.7	120	mg/Kg	07/18/25 14:50	07/21/25 16:00	6010D	SW3050
7782-49-2	Selenium	0.96	UN	1	0.31	0.96	1.20	mg/Kg	07/18/25 14:50	07/21/25 16:00	6010D	SW3050
7440-22-4	Silver	4.43	N	1	0.14	0.30	0.60	mg/Kg	07/18/25 14:50	07/21/25 16:00	6010D	SW3050
7440-23-5	Sodium	209		1	21.3	95.7	120	mg/Kg	07/18/25 14:50	07/21/25 16:00	6010D	SW3050
7440-28-0	Thallium	1.41	J	1	0.28	1.20	2.39	mg/Kg	07/18/25 14:50	07/21/25 16:00	6010D	SW3050
7440-62-2	Vanadium	30.3		1	0.30	1.20	2.39	mg/Kg	07/18/25 14:50	07/21/25 16:00	6010D	SW3050
7440-66-6	Zinc	74.2		1	0.28	0.60	2.39	mg/Kg	07/18/25 14:50	07/21/25 16:00	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:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-35-071725	SDG No.:	Q2638
Lab Sample ID:	Q2638-09	Matrix:	SOIL
Level (low/med):	low	% Solid:	82.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	11600		1	0.91	4.35	5.44	mg/Kg	07/18/25 14:50	07/21/25 16:04	6010D	SW3050
7440-36-0	Antimony	0.68	UN	1	0.24	0.68	2.72	mg/Kg	07/18/25 14:50	07/21/25 16:04	6010D	SW3050
7440-38-2	Arsenic	9.83	N	1	0.21	0.87	1.09	mg/Kg	07/18/25 14:50	07/21/25 16:04	6010D	SW3050
7440-39-3	Barium	84.0		1	0.80	1.36	5.44	mg/Kg	07/18/25 14:50	07/21/25 16:04	6010D	SW3050
7440-41-7	Beryllium	0.62	N	1	0.027	0.082	0.33	mg/Kg	07/18/25 14:50	07/21/25 16:04	6010D	SW3050
7440-43-9	Cadmium	0.61	*	1	0.026	0.082	0.33	mg/Kg	07/18/25 14:50	07/21/25 16:04	6010D	SW3050
7440-70-2	Calcium	2740		1	12.1	27.2	109	mg/Kg	07/18/25 14:50	07/21/25 16:04	6010D	SW3050
7440-47-3	Chromium	23.9	N	1	0.051	0.14	0.54	mg/Kg	07/18/25 14:50	07/21/25 16:04	6010D	SW3050
7440-48-4	Cobalt	13.3	N	1	0.11	0.41	1.63	mg/Kg	07/18/25 14:50	07/21/25 16:04	6010D	SW3050
7440-50-8	Copper	71.1		1	0.24	0.87	1.09	mg/Kg	07/18/25 14:50	07/21/25 16:04	6010D	SW3050
7439-89-6	Iron	21800		1	4.34	4.35	5.44	mg/Kg	07/18/25 14:50	07/21/25 16:04	6010D	SW3050
7439-92-1	Lead	26.8		1	0.14	0.52	0.65	mg/Kg	07/18/25 14:50	07/21/25 16:04	6010D	SW3050
7439-95-4	Magnesium	5180		1	13.1	27.2	109	mg/Kg	07/18/25 14:50	07/21/25 16:04	6010D	SW3050
7439-96-5	Manganese	357		1	0.15	0.27	1.09	mg/Kg	07/18/25 14:50	07/21/25 16:04	6010D	SW3050
7439-97-6	Mercury	0.068		1	0.0090	0.014	0.017	mg/Kg	07/18/25 15:50	07/21/25 12:42	7471B	
7440-02-0	Nickel	22.7		1	0.14	0.54	2.18	mg/Kg	07/18/25 14:50	07/21/25 16:04	6010D	SW3050
7440-09-7	Potassium	4350		1	30.1	87.1	109	mg/Kg	07/18/25 14:50	07/21/25 16:04	6010D	SW3050
7782-49-2	Selenium	0.87	UN	1	0.28	0.87	1.09	mg/Kg	07/18/25 14:50	07/21/25 16:04	6010D	SW3050
7440-22-4	Silver	4.92	N	1	0.13	0.27	0.54	mg/Kg	07/18/25 14:50	07/21/25 16:04	6010D	SW3050
7440-23-5	Sodium	93.0	J	1	19.4	87.1	109	mg/Kg	07/18/25 14:50	07/21/25 16:04	6010D	SW3050
7440-28-0	Thallium	1.16	J	1	0.25	1.09	2.18	mg/Kg	07/18/25 14:50	07/21/25 16:04	6010D	SW3050
7440-62-2	Vanadium	33.2		1	0.27	1.09	2.18	mg/Kg	07/18/25 14:50	07/21/25 16:04	6010D	SW3050
7440-66-6	Zinc	82.9		1	0.25	0.54	2.18	mg/Kg	07/18/25 14:50	07/21/25 16:04	6010D	SW3050

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

U = Not Detected
 LOQ = Limit of Quantitation
 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:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-36-071725	SDG No.:	Q2638
Lab Sample ID:	Q2638-11	Matrix:	SOIL
Level (low/med):	low	% Solid:	81.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	11400		1	0.85	4.05	5.07	mg/Kg	07/18/25 14:50	07/21/25 16:08	6010D	SW3050
7440-36-0	Antimony	0.63	UN	1	0.22	0.63	2.53	mg/Kg	07/18/25 14:50	07/21/25 16:08	6010D	SW3050
7440-38-2	Arsenic	9.50	N	1	0.19	0.81	1.01	mg/Kg	07/18/25 14:50	07/21/25 16:08	6010D	SW3050
7440-39-3	Barium	81.3		1	0.74	1.27	5.07	mg/Kg	07/18/25 14:50	07/21/25 16:08	6010D	SW3050
7440-41-7	Beryllium	0.60	N	1	0.025	0.076	0.30	mg/Kg	07/18/25 14:50	07/21/25 16:08	6010D	SW3050
7440-43-9	Cadmium	0.57	*	1	0.024	0.076	0.30	mg/Kg	07/18/25 14:50	07/21/25 16:08	6010D	SW3050
7440-70-2	Calcium	2710		1	11.2	25.3	101	mg/Kg	07/18/25 14:50	07/21/25 16:08	6010D	SW3050
7440-47-3	Chromium	23.0	N	1	0.048	0.13	0.51	mg/Kg	07/18/25 14:50	07/21/25 16:08	6010D	SW3050
7440-48-4	Cobalt	13.0	N	1	0.10	0.38	1.52	mg/Kg	07/18/25 14:50	07/21/25 16:08	6010D	SW3050
7440-50-8	Copper	67.9		1	0.22	0.81	1.01	mg/Kg	07/18/25 14:50	07/21/25 16:08	6010D	SW3050
7439-89-6	Iron	20600		1	4.04	4.05	5.07	mg/Kg	07/18/25 14:50	07/21/25 16:08	6010D	SW3050
7439-92-1	Lead	26.4		1	0.13	0.49	0.61	mg/Kg	07/18/25 14:50	07/21/25 16:08	6010D	SW3050
7439-95-4	Magnesium	5000		1	12.2	25.3	101	mg/Kg	07/18/25 14:50	07/21/25 16:08	6010D	SW3050
7439-96-5	Manganese	344		1	0.14	0.25	1.01	mg/Kg	07/18/25 14:50	07/21/25 16:08	6010D	SW3050
7439-97-6	Mercury	0.062		1	0.0080	0.012	0.014	mg/Kg	07/18/25 15:50	07/21/25 12:44	7471B	
7440-02-0	Nickel	22.1		1	0.13	0.51	2.03	mg/Kg	07/18/25 14:50	07/21/25 16:08	6010D	SW3050
7440-09-7	Potassium	4140		1	28.1	81.1	101	mg/Kg	07/18/25 14:50	07/21/25 16:08	6010D	SW3050
7782-49-2	Selenium	0.81	UN	1	0.26	0.81	1.01	mg/Kg	07/18/25 14:50	07/21/25 16:08	6010D	SW3050
7440-22-4	Silver	4.61	N	1	0.12	0.25	0.51	mg/Kg	07/18/25 14:50	07/21/25 16:08	6010D	SW3050
7440-23-5	Sodium	84.6	J	1	18.0	81.1	101	mg/Kg	07/18/25 14:50	07/21/25 16:08	6010D	SW3050
7440-28-0	Thallium	1.24	J	1	0.23	1.01	2.03	mg/Kg	07/18/25 14:50	07/21/25 16:08	6010D	SW3050
7440-62-2	Vanadium	32.1		1	0.25	1.01	2.03	mg/Kg	07/18/25 14:50	07/21/25 16:08	6010D	SW3050
7440-66-6	Zinc	78.8		1	0.23	0.51	2.03	mg/Kg	07/18/25 14:50	07/21/25 16:08	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:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-37-071725	SDG No.:	Q2638
Lab Sample ID:	Q2638-13	Matrix:	SOIL
Level (low/med):	low	% Solid:	81.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	11300		1	0.93	4.42	5.52	mg/Kg	07/18/25 14:50	07/21/25 16:12	6010D	SW3050
7440-36-0	Antimony	0.69	UN	1	0.24	0.69	2.76	mg/Kg	07/18/25 14:50	07/21/25 16:12	6010D	SW3050
7440-38-2	Arsenic	9.62	N	1	0.21	0.88	1.10	mg/Kg	07/18/25 14:50	07/21/25 16:12	6010D	SW3050
7440-39-3	Barium	79.6		1	0.81	1.38	5.52	mg/Kg	07/18/25 14:50	07/21/25 16:12	6010D	SW3050
7440-41-7	Beryllium	0.61	N	1	0.028	0.083	0.33	mg/Kg	07/18/25 14:50	07/21/25 16:12	6010D	SW3050
7440-43-9	Cadmium	0.53	*	1	0.027	0.083	0.33	mg/Kg	07/18/25 14:50	07/21/25 16:12	6010D	SW3050
7440-70-2	Calcium	2620		1	12.3	27.6	110	mg/Kg	07/18/25 14:50	07/21/25 16:12	6010D	SW3050
7440-47-3	Chromium	22.8	N	1	0.052	0.14	0.55	mg/Kg	07/18/25 14:50	07/21/25 16:12	6010D	SW3050
7440-48-4	Cobalt	12.8	N	1	0.11	0.41	1.66	mg/Kg	07/18/25 14:50	07/21/25 16:12	6010D	SW3050
7440-50-8	Copper	69.1		1	0.24	0.88	1.10	mg/Kg	07/18/25 14:50	07/21/25 16:12	6010D	SW3050
7439-89-6	Iron	20400		1	4.41	4.42	5.52	mg/Kg	07/18/25 14:50	07/21/25 16:12	6010D	SW3050
7439-92-1	Lead	27.8		1	0.14	0.53	0.66	mg/Kg	07/18/25 14:50	07/21/25 16:12	6010D	SW3050
7439-95-4	Magnesium	4960		1	13.3	27.6	110	mg/Kg	07/18/25 14:50	07/21/25 16:12	6010D	SW3050
7439-96-5	Manganese	343		1	0.16	0.28	1.10	mg/Kg	07/18/25 14:50	07/21/25 16:12	6010D	SW3050
7439-97-6	Mercury	0.049		1	0.010	0.014	0.017	mg/Kg	07/18/25 15:50	07/21/25 12:47	7471B	
7440-02-0	Nickel	22.1		1	0.14	0.55	2.21	mg/Kg	07/18/25 14:50	07/21/25 16:12	6010D	SW3050
7440-09-7	Potassium	4010		1	30.6	88.4	110	mg/Kg	07/18/25 14:50	07/21/25 16:12	6010D	SW3050
7782-49-2	Selenium	0.88	UN	1	0.29	0.88	1.10	mg/Kg	07/18/25 14:50	07/21/25 16:12	6010D	SW3050
7440-22-4	Silver	4.56	N	1	0.13	0.28	0.55	mg/Kg	07/18/25 14:50	07/21/25 16:12	6010D	SW3050
7440-23-5	Sodium	78.3	J	1	19.7	88.4	110	mg/Kg	07/18/25 14:50	07/21/25 16:12	6010D	SW3050
7440-28-0	Thallium	1.26	J	1	0.25	1.10	2.21	mg/Kg	07/18/25 14:50	07/21/25 16:12	6010D	SW3050
7440-62-2	Vanadium	31.4		1	0.28	1.10	2.21	mg/Kg	07/18/25 14:50	07/21/25 16:12	6010D	SW3050
7440-66-6	Zinc	79.7		1	0.25	0.55	2.21	mg/Kg	07/18/25 14:50	07/21/25 16:12	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



METAL CALIBRATION DATA

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group

SDG No.: Q2638

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
ICV34	Mercury	3.76	4.0	94	90 - 110	CV	07/21/2025	11:44	LB136551

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group

SDG No.: Q2638

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
CCV28	Mercury	4.91	5.0	98	90 - 110	CV	07/21/2025	11:49	LB136551
CCV29	Mercury	5.02	5.0	100	90 - 110	CV	07/21/2025	12:28	LB136551
CCV30	Mercury	5.18	5.0	104	90 - 110	CV	07/21/2025	12:56	LB136551
CCV31	Mercury	5.11	5.0	102	90 - 110	CV	07/21/2025	13:09	LB136551

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group

SDG No.: Q2638

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	7970	8000	100	90 - 110	P	07/21/2025	12:33	LB136562
	Antimony	4210	4000	105	90 - 110	P	07/21/2025	12:33	LB136562
	Arsenic	3850	4000	96	90 - 110	P	07/21/2025	12:33	LB136562
	Barium	8000	8000	100	90 - 110	P	07/21/2025	12:33	LB136562
	Beryllium	198	200	99	90 - 110	P	07/21/2025	12:33	LB136562
	Cadmium	1890	2000	95	90 - 110	P	07/21/2025	12:33	LB136562
	Calcium	20000	20000	100	90 - 110	P	07/21/2025	12:33	LB136562
	Chromium	788	800	98	90 - 110	P	07/21/2025	12:33	LB136562
	Cobalt	1980	2000	99	90 - 110	P	07/21/2025	12:33	LB136562
	Copper	1010	1000	101	90 - 110	P	07/21/2025	12:33	LB136562
	Iron	4070	4000	102	90 - 110	P	07/21/2025	12:33	LB136562
	Lead	3890	4000	97	90 - 110	P	07/21/2025	12:33	LB136562
	Magnesium	19900	20000	99	90 - 110	P	07/21/2025	12:33	LB136562
	Manganese	2000	2000	100	90 - 110	P	07/21/2025	12:33	LB136562
	Nickel	1980	2000	99	90 - 110	P	07/21/2025	12:33	LB136562
	Potassium	19800	20000	99	90 - 110	P	07/21/2025	12:33	LB136562
	Selenium	3940	4000	98	90 - 110	P	07/21/2025	12:33	LB136562
	Silver	1090	1000	109	90 - 110	P	07/21/2025	12:33	LB136562
	Sodium	19400	20000	97	90 - 110	P	07/21/2025	12:33	LB136562
	Thallium	3810	4000	95	90 - 110	P	07/21/2025	12:33	LB136562
	Vanadium	2020	2000	101	90 - 110	P	07/21/2025	12:33	LB136562
	Zinc	2000	2000	100	90 - 110	P	07/21/2025	12:33	LB136562

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group

SDG No.: Q2638

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	108	100	108	80 - 120	P	07/21/2025	12:55	LB136562
	Antimony	57.5	50.0	115	80 - 120	P	07/21/2025	12:55	LB136562
	Arsenic	22.9	20.0	115	80 - 120	P	07/21/2025	12:55	LB136562
	Barium	106	100	106	80 - 120	P	07/21/2025	12:55	LB136562
	Beryllium	6.25	6.0	104	80 - 120	P	07/21/2025	12:55	LB136562
	Cadmium	5.82	6.0	97	80 - 120	P	07/21/2025	12:55	LB136562
	Calcium	2160	2000	108	80 - 120	P	07/21/2025	12:55	LB136562
	Chromium	9.88	10.0	99	80 - 120	P	07/21/2025	12:55	LB136562
	Cobalt	30.9	30.0	103	80 - 120	P	07/21/2025	12:55	LB136562
	Copper	21.9	20.0	109	80 - 120	P	07/21/2025	12:55	LB136562
	Iron	118	100	118	80 - 120	P	07/21/2025	12:55	LB136562
	Lead	11.9	12.0	100	80 - 120	P	07/21/2025	12:55	LB136562
	Magnesium	2250	2000	112	80 - 120	P	07/21/2025	12:55	LB136562
	Manganese	22.8	20.0	114	80 - 120	P	07/21/2025	12:55	LB136562
	Nickel	41.8	40.0	105	80 - 120	P	07/21/2025	12:55	LB136562
	Potassium	1740	2000	87	80 - 120	P	07/21/2025	12:55	LB136562
	Selenium	23.2	20.0	116	80 - 120	P	07/21/2025	12:55	LB136562
	Silver	10.2	10.0	102	80 - 120	P	07/21/2025	12:55	LB136562
	Sodium	1620	2000	81	80 - 120	P	07/21/2025	12:55	LB136562
	Thallium	45.9	40.0	115	80 - 120	P	07/21/2025	12:55	LB136562
	Vanadium	35.5	40.0	89	80 - 120	P	07/21/2025	12:55	LB136562
	Zinc	44.2	40.0	111	80 - 120	P	07/21/2025	12:55	LB136562

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client:	<u>Nobis Group</u>	SDG No.:	<u>Q2638</u>
Contract:	<u>NOBI03</u>	Lab Code:	<u>ACE</u>
Initial Calibration Source:	<u>EPA</u>		
Continuing Calibration Source:	<u>Inorganic Ventures</u>		

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	9920	10000	99	90 - 110	P	07/21/2025	13:36	LB136562
	Antimony	4970	5000	100	90 - 110	P	07/21/2025	13:36	LB136562
	Arsenic	4990	5000	100	90 - 110	P	07/21/2025	13:36	LB136562
	Barium	10100	10000	101	90 - 110	P	07/21/2025	13:36	LB136562
	Beryllium	239	250	96	90 - 110	P	07/21/2025	13:36	LB136562
	Cadmium	2440	2500	98	90 - 110	P	07/21/2025	13:36	LB136562
	Calcium	25400	25000	102	90 - 110	P	07/21/2025	13:36	LB136562
	Chromium	947	1000	95	90 - 110	P	07/21/2025	13:36	LB136562
	Cobalt	2410	2500	96	90 - 110	P	07/21/2025	13:36	LB136562
	Copper	1230	1250	98	90 - 110	P	07/21/2025	13:36	LB136562
	Iron	4920	5000	98	90 - 110	P	07/21/2025	13:36	LB136562
	Lead	4870	5000	98	90 - 110	P	07/21/2025	13:36	LB136562
	Magnesium	24500	25000	98	90 - 110	P	07/21/2025	13:36	LB136562
	Manganese	2500	2500	100	90 - 110	P	07/21/2025	13:36	LB136562
	Nickel	2420	2500	97	90 - 110	P	07/21/2025	13:36	LB136562
	Potassium	24700	25000	99	90 - 110	P	07/21/2025	13:36	LB136562
	Selenium	5060	5000	101	90 - 110	P	07/21/2025	13:36	LB136562
	Silver	1230	1250	98	90 - 110	P	07/21/2025	13:36	LB136562
	Sodium	24000	25000	96	90 - 110	P	07/21/2025	13:36	LB136562
	Thallium	5090	5000	102	90 - 110	P	07/21/2025	13:36	LB136562
	Vanadium	2450	2500	98	90 - 110	P	07/21/2025	13:36	LB136562
	Zinc	2490	2500	100	90 - 110	P	07/21/2025	13:36	LB136562
CCV02	Aluminum	9840	10000	98	90 - 110	P	07/21/2025	14:46	LB136562
	Antimony	5030	5000	100	90 - 110	P	07/21/2025	14:46	LB136562
	Arsenic	4990	5000	100	90 - 110	P	07/21/2025	14:46	LB136562
	Barium	10200	10000	102	90 - 110	P	07/21/2025	14:46	LB136562
	Beryllium	244	250	98	90 - 110	P	07/21/2025	14:46	LB136562
	Cadmium	2400	2500	96	90 - 110	P	07/21/2025	14:46	LB136562
	Calcium	25500	25000	102	90 - 110	P	07/21/2025	14:46	LB136562
	Chromium	944	1000	94	90 - 110	P	07/21/2025	14:46	LB136562
	Cobalt	2390	2500	96	90 - 110	P	07/21/2025	14:46	LB136562
	Copper	1220	1250	98	90 - 110	P	07/21/2025	14:46	LB136562
	Iron	4830	5000	96	90 - 110	P	07/21/2025	14:46	LB136562
	Lead	4830	5000	96	90 - 110	P	07/21/2025	14:46	LB136562

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group

SDG No.: Q2638

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	24000	25000	96	90 - 110	P	07/21/2025	14:46	LB136562
	Manganese	2490	2500	100	90 - 110	P	07/21/2025	14:46	LB136562
	Nickel	2400	2500	96	90 - 110	P	07/21/2025	14:46	LB136562
	Potassium	24700	25000	99	90 - 110	P	07/21/2025	14:46	LB136562
	Selenium	5100	5000	102	90 - 110	P	07/21/2025	14:46	LB136562
	Silver	1220	1250	98	90 - 110	P	07/21/2025	14:46	LB136562
	Sodium	23100	25000	92	90 - 110	P	07/21/2025	14:46	LB136562
	Thallium	5440	5000	109	90 - 110	P	07/21/2025	14:46	LB136562
	Vanadium	2420	2500	97	90 - 110	P	07/21/2025	14:46	LB136562
	Zinc	2470	2500	99	90 - 110	P	07/21/2025	14:46	LB136562
CCV03	Aluminum	9580	10000	96	90 - 110	P	07/21/2025	15:47	LB136562
	Antimony	4870	5000	98	90 - 110	P	07/21/2025	15:47	LB136562
	Arsenic	4870	5000	98	90 - 110	P	07/21/2025	15:47	LB136562
	Barium	9930	10000	99	90 - 110	P	07/21/2025	15:47	LB136562
	Beryllium	234	250	94	90 - 110	P	07/21/2025	15:47	LB136562
	Cadmium	2370	2500	95	90 - 110	P	07/21/2025	15:47	LB136562
	Calcium	24700	25000	99	90 - 110	P	07/21/2025	15:47	LB136562
	Chromium	917	1000	92	90 - 110	P	07/21/2025	15:47	LB136562
	Cobalt	2340	2500	94	90 - 110	P	07/21/2025	15:47	LB136562
	Copper	1190	1250	96	90 - 110	P	07/21/2025	15:47	LB136562
	Iron	4840	5000	97	90 - 110	P	07/21/2025	15:47	LB136562
	Lead	4730	5000	95	90 - 110	P	07/21/2025	15:47	LB136562
	Magnesium	23400	25000	94	90 - 110	P	07/21/2025	15:47	LB136562
	Manganese	2410	2500	97	90 - 110	P	07/21/2025	15:47	LB136562
	Nickel	2360	2500	94	90 - 110	P	07/21/2025	15:47	LB136562
	Potassium	24400	25000	98	90 - 110	P	07/21/2025	15:47	LB136562
	Selenium	4940	5000	99	90 - 110	P	07/21/2025	15:47	LB136562
	Silver	1210	1250	97	90 - 110	P	07/21/2025	15:47	LB136562
	Sodium	23400	25000	94	90 - 110	P	07/21/2025	15:47	LB136562
	Thallium	4700	5000	94	90 - 110	P	07/21/2025	15:47	LB136562
	Vanadium	2350	2500	94	90 - 110	P	07/21/2025	15:47	LB136562
	Zinc	2440	2500	98	90 - 110	P	07/21/2025	15:47	LB136562
CCV04	Aluminum	9970	10000	100	90 - 110	P	07/21/2025	16:50	LB136562
	Antimony	5140	5000	103	90 - 110	P	07/21/2025	16:50	LB136562

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group

SDG No.: Q2638

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	Arsenic	5160	5000	103	90 - 110	P	07/21/2025	16:50	LB136562
	Barium	10400	10000	104	90 - 110	P	07/21/2025	16:50	LB136562
	Beryllium	246	250	98	90 - 110	P	07/21/2025	16:50	LB136562
	Cadmium	2470	2500	99	90 - 110	P	07/21/2025	16:50	LB136562
	Calcium	25800	25000	103	90 - 110	P	07/21/2025	16:50	LB136562
	Chromium	947	1000	95	90 - 110	P	07/21/2025	16:50	LB136562
	Cobalt	2450	2500	98	90 - 110	P	07/21/2025	16:50	LB136562
	Copper	1250	1250	100	90 - 110	P	07/21/2025	16:50	LB136562
	Iron	4970	5000	100	90 - 110	P	07/21/2025	16:50	LB136562
	Lead	4950	5000	99	90 - 110	P	07/21/2025	16:50	LB136562
	Magnesium	24300	25000	97	90 - 110	P	07/21/2025	16:50	LB136562
	Manganese	2540	2500	102	90 - 110	P	07/21/2025	16:50	LB136562
	Nickel	2470	2500	99	90 - 110	P	07/21/2025	16:50	LB136562
	Potassium	25400	25000	102	90 - 110	P	07/21/2025	16:50	LB136562
	Selenium	5280	5000	106	90 - 110	P	07/21/2025	16:50	LB136562
	Silver	1250	1250	100	90 - 110	P	07/21/2025	16:50	LB136562
	Sodium	23400	25000	94	90 - 110	P	07/21/2025	16:50	LB136562
	Thallium	5450	5000	109	90 - 110	P	07/21/2025	16:50	LB136562
	Vanadium	2440	2500	98	90 - 110	P	07/21/2025	16:50	LB136562
	Zinc	2530	2500	101	90 - 110	P	07/21/2025	16:50	LB136562
CCV05	Aluminum	9440	10000	94	90 - 110	P	07/21/2025	17:27	LB136562
	Antimony	4870	5000	97	90 - 110	P	07/21/2025	17:27	LB136562
	Arsenic	4730	5000	95	90 - 110	P	07/21/2025	17:27	LB136562
	Barium	9820	10000	98	90 - 110	P	07/21/2025	17:27	LB136562
	Beryllium	237	250	95	90 - 110	P	07/21/2025	17:27	LB136562
	Cadmium	2270	2500	91	90 - 110	P	07/21/2025	17:27	LB136562
	Calcium	24300	25000	97	90 - 110	P	07/21/2025	17:27	LB136562
	Chromium	913	1000	91	90 - 110	P	07/21/2025	17:27	LB136562
	Cobalt	2310	2500	92	90 - 110	P	07/21/2025	17:27	LB136562
	Copper	1170	1250	94	90 - 110	P	07/21/2025	17:27	LB136562
	Iron	4630	5000	93	90 - 110	P	07/21/2025	17:27	LB136562
	Lead	4570	5000	91	90 - 110	P	07/21/2025	17:27	LB136562
	Magnesium	23100	25000	92	90 - 110	P	07/21/2025	17:27	LB136562
	Manganese	2410	2500	96	90 - 110	P	07/21/2025	17:27	LB136562

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group

SDG No.: Q2638

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
CCV05	Nickel	2320	2500	93	90 - 110	P	07/21/2025	17:27	LB136562
	Potassium	23800	25000	95	90 - 110	P	07/21/2025	17:27	LB136562
	Selenium	4840	5000	97	90 - 110	P	07/21/2025	17:27	LB136562
	Silver	1200	1250	96	90 - 110	P	07/21/2025	17:27	LB136562
	Sodium	22900	25000	92	90 - 110	P	07/21/2025	17:27	LB136562
	Thallium	5390	5000	108	90 - 110	P	07/21/2025	17:27	LB136562
	Vanadium	2320	2500	93	90 - 110	P	07/21/2025	17:27	LB136562
	Zinc	2430	2500	97	90 - 110	P	07/21/2025	17:27	LB136562

Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: Nobis Group

SDG No.: Q2638

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	0.24	0.2	119	70 - 130	CV	07/21/2025	11:59	LB136551
CRI01	Aluminum	107	100	107	65 - 135	P	07/21/2025	13:08	LB136562
	Antimony	54.0	50.0	108	65 - 135	P	07/21/2025	13:08	LB136562
	Arsenic	21.3	20.0	106	65 - 135	P	07/21/2025	13:08	LB136562
	Barium	105	100	105	65 - 135	P	07/21/2025	13:08	LB136562
	Beryllium	6.18	6.0	103	65 - 135	P	07/21/2025	13:08	LB136562
	Cadmium	5.89	6.0	98	65 - 135	P	07/21/2025	13:08	LB136562
	Calcium	2140	2000	107	65 - 135	P	07/21/2025	13:08	LB136562
	Chromium	9.92	10.0	99	65 - 135	P	07/21/2025	13:08	LB136562
	Cobalt	30.8	30.0	102	65 - 135	P	07/21/2025	13:08	LB136562
	Copper	21.8	20.0	109	65 - 135	P	07/21/2025	13:08	LB136562
	Iron	122	100	122	65 - 135	P	07/21/2025	13:08	LB136562
	Lead	12.0	12.0	100	65 - 135	P	07/21/2025	13:08	LB136562
	Magnesium	2220	2000	111	65 - 135	P	07/21/2025	13:08	LB136562
	Manganese	22.8	20.0	114	65 - 135	P	07/21/2025	13:08	LB136562
	Nickel	42.2	40.0	106	65 - 135	P	07/21/2025	13:08	LB136562
	Potassium	1710	2000	85	65 - 135	P	07/21/2025	13:08	LB136562
	Selenium	22.6	20.0	113	65 - 135	P	07/21/2025	13:08	LB136562
	Silver	10.1	10.0	100	65 - 135	P	07/21/2025	13:08	LB136562
	Sodium	1570	2000	79	65 - 135	P	07/21/2025	13:08	LB136562
	Thallium	46.8	40.0	117	65 - 135	P	07/21/2025	13:08	LB136562
	Vanadium	39.0	40.0	97	65 - 135	P	07/21/2025	13:08	LB136562
	Zinc	44.0	40.0	110	65 - 135	P	07/21/2025	13:08	LB136562



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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Nobis Group

SDG No.: Q2638

Contract: NOBI03

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB34	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	07/21/2025	11:47	LB136551

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Nobis Group

SDG No.: Q2638

Contract: NOBI03

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB28	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	07/21/2025	11:51	LB136551
CCB29	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	07/21/2025	12:31	LB136551
CCB30	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	07/21/2025	12:58	LB136551
CCB31	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	07/21/2025	13:12	LB136551

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Nobis Group

SDG No.: Q2638

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	07/21/2025	13:04	LB136562
	Antimony	6.76	+/-25	U	12.5	50.0	P	07/21/2025	13:04	LB136562
	Arsenic	5.12	+/-10	U	15.0	20.0	P	07/21/2025	13:04	LB136562
	Barium	14.6	+/-50	U	25.0	100	P	07/21/2025	13:04	LB136562
	Beryllium	0.56	+/-3	U	1.50	6.00	P	07/21/2025	13:04	LB136562
	Cadmium	0.50	+/-3	U	1.50	6.00	P	07/21/2025	13:04	LB136562
	Calcium	234	+/-1000	U	500	2000	P	07/21/2025	13:04	LB136562
	Chromium	2.12	+/-5	U	5.00	10.0	P	07/21/2025	13:04	LB136562
	Cobalt	2.26	+/-15	U	7.50	30.0	P	07/21/2025	13:04	LB136562
	Copper	4.60	+/-10	U	16.0	20.0	P	07/21/2025	13:04	LB136562
	Iron	23.4	+/-50	U	80.0	100	P	07/21/2025	13:04	LB136562
	Lead	2.30	+/-6	U	9.60	12.0	P	07/21/2025	13:04	LB136562
	Magnesium	244	+/-1000	U	500	2000	P	07/21/2025	13:04	LB136562
	Manganese	5.94	+/-10	U	15.0	20.0	P	07/21/2025	13:04	LB136562
	Nickel	3.06	+/-20	U	10.0	40.0	P	07/21/2025	13:04	LB136562
	Potassium	918	+/-1000	U	1600	2000	P	07/21/2025	13:04	LB136562
	Selenium	9.64	+/-10	U	16.0	20.0	P	07/21/2025	13:04	LB136562
	Silver	1.62	+/-5	U	5.00	10.0	P	07/21/2025	13:04	LB136562
	Sodium	868	+/-1000	U	1000	2000	P	07/21/2025	13:04	LB136562
	Thallium	4.38	+/-20	U	20.0	40.0	P	07/21/2025	13:04	LB136562
	Vanadium	6.26	+/-20	U	20.0	40.0	P	07/21/2025	13:04	LB136562
	Zinc	16.7	+/-20	U	15.0	40.0	P	07/21/2025	13:04	LB136562

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Nobis Group **SDG No.:** Q2638
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	07/21/2025	13:55	LB136562
	Antimony	6.76	+/-25	U	12.5	50.0	P	07/21/2025	13:55	LB136562
	Arsenic	5.12	+/-10	U	15.0	20.0	P	07/21/2025	13:55	LB136562
	Barium	14.6	+/-50	U	25.0	100	P	07/21/2025	13:55	LB136562
	Beryllium	0.56	+/-3	U	1.50	6.00	P	07/21/2025	13:55	LB136562
	Cadmium	0.50	+/-3	U	1.50	6.00	P	07/21/2025	13:55	LB136562
	Calcium	234	+/-1000	U	500	2000	P	07/21/2025	13:55	LB136562
	Chromium	2.12	+/-5	U	5.00	10.0	P	07/21/2025	13:55	LB136562
	Cobalt	2.26	+/-15	U	7.50	30.0	P	07/21/2025	13:55	LB136562
	Copper	4.60	+/-10	U	16.0	20.0	P	07/21/2025	13:55	LB136562
	Iron	23.4	+/-50	U	80.0	100	P	07/21/2025	13:55	LB136562
	Lead	2.30	+/-6	U	9.60	12.0	P	07/21/2025	13:55	LB136562
	Magnesium	244	+/-1000	U	500	2000	P	07/21/2025	13:55	LB136562
	Manganese	5.94	+/-10	U	15.0	20.0	P	07/21/2025	13:55	LB136562
	Nickel	3.06	+/-20	U	10.0	40.0	P	07/21/2025	13:55	LB136562
	Potassium	918	+/-1000	U	1600	2000	P	07/21/2025	13:55	LB136562
	Selenium	9.64	+/-10	U	16.0	20.0	P	07/21/2025	13:55	LB136562
	Silver	1.62	+/-5	U	5.00	10.0	P	07/21/2025	13:55	LB136562
	Sodium	868	+/-1000	U	1000	2000	P	07/21/2025	13:55	LB136562
	Thallium	4.38	+/-20	U	20.0	40.0	P	07/21/2025	13:55	LB136562
	Vanadium	6.26	+/-20	U	20.0	40.0	P	07/21/2025	13:55	LB136562
	Zinc	16.7	+/-20	U	15.0	40.0	P	07/21/2025	13:55	LB136562
CCB02	Aluminum	11.3	+/-50	U	80.0	100	P	07/21/2025	14:51	LB136562
	Antimony	6.76	+/-25	U	12.5	50.0	P	07/21/2025	14:51	LB136562
	Arsenic	5.12	+/-10	U	15.0	20.0	P	07/21/2025	14:51	LB136562
	Barium	14.6	+/-50	U	25.0	100	P	07/21/2025	14:51	LB136562
	Beryllium	0.56	+/-3	U	1.50	6.00	P	07/21/2025	14:51	LB136562
	Cadmium	0.50	+/-3	U	1.50	6.00	P	07/21/2025	14:51	LB136562
	Calcium	234	+/-1000	U	500	2000	P	07/21/2025	14:51	LB136562
	Chromium	2.12	+/-5	U	5.00	10.0	P	07/21/2025	14:51	LB136562
	Cobalt	2.26	+/-15	U	7.50	30.0	P	07/21/2025	14:51	LB136562
	Copper	4.60	+/-10	U	16.0	20.0	P	07/21/2025	14:51	LB136562
	Iron	23.4	+/-50	U	80.0	100	P	07/21/2025	14:51	LB136562
	Lead	2.30	+/-6	U	9.60	12.0	P	07/21/2025	14:51	LB136562
	Magnesium	244	+/-1000	U	500	2000	P	07/21/2025	14:51	LB136562
	Manganese	5.94	+/-10	U	15.0	20.0	P	07/21/2025	14:51	LB136562
	Nickel	3.06	+/-20	U	10.0	40.0	P	07/21/2025	14:51	LB136562
	Potassium	918	+/-1000	U	1600	2000	P	07/21/2025	14:51	LB136562
	Selenium	9.64	+/-10	U	16.0	20.0	P	07/21/2025	14:51	LB136562

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Nobis Group

SDG No.: Q2638

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	07/21/2025	14:51	LB136562
	Sodium	868	+/-1000	U	1000	2000	P	07/21/2025	14:51	LB136562
	Thallium	4.38	+/-20	U	20.0	40.0	P	07/21/2025	14:51	LB136562
	Vanadium	6.26	+/-20	U	20.0	40.0	P	07/21/2025	14:51	LB136562
	Zinc	16.7	+/-20	U	15.0	40.0	P	07/21/2025	14:51	LB136562
CCB03	Aluminum	11.3	+/-50	U	80.0	100	P	07/21/2025	15:51	LB136562
	Antimony	6.76	+/-25	U	12.5	50.0	P	07/21/2025	15:51	LB136562
	Arsenic	5.12	+/-10	U	15.0	20.0	P	07/21/2025	15:51	LB136562
	Barium	14.6	+/-50	U	25.0	100	P	07/21/2025	15:51	LB136562
	Beryllium	0.56	+/-3	U	1.50	6.00	P	07/21/2025	15:51	LB136562
	Cadmium	0.50	+/-3	U	1.50	6.00	P	07/21/2025	15:51	LB136562
	Calcium	234	+/-1000	U	500	2000	P	07/21/2025	15:51	LB136562
	Chromium	2.12	+/-5	U	5.00	10.0	P	07/21/2025	15:51	LB136562
	Cobalt	2.26	+/-15	U	7.50	30.0	P	07/21/2025	15:51	LB136562
	Copper	4.60	+/-10	U	16.0	20.0	P	07/21/2025	15:51	LB136562
	Iron	23.4	+/-50	U	80.0	100	P	07/21/2025	15:51	LB136562
	Lead	2.30	+/-6	U	9.60	12.0	P	07/21/2025	15:51	LB136562
	Magnesium	244	+/-1000	U	500	2000	P	07/21/2025	15:51	LB136562
	Manganese	5.94	+/-10	U	15.0	20.0	P	07/21/2025	15:51	LB136562
	Nickel	3.06	+/-20	U	10.0	40.0	P	07/21/2025	15:51	LB136562
	Potassium	918	+/-1000	U	1600	2000	P	07/21/2025	15:51	LB136562
	Selenium	9.64	+/-10	U	16.0	20.0	P	07/21/2025	15:51	LB136562
	Silver	1.62	+/-5	U	5.00	10.0	P	07/21/2025	15:51	LB136562
	Sodium	868	+/-1000	U	1000	2000	P	07/21/2025	15:51	LB136562
	Thallium	8.57	+/-20	J	20.0	40.0	P	07/21/2025	15:51	LB136562
	Vanadium	6.26	+/-20	U	20.0	40.0	P	07/21/2025	15:51	LB136562
	Zinc	16.7	+/-20	U	15.0	40.0	P	07/21/2025	15:51	LB136562
CCB04	Aluminum	11.3	+/-50	U	80.0	100	P	07/21/2025	16:56	LB136562
	Antimony	6.76	+/-25	U	12.5	50.0	P	07/21/2025	16:56	LB136562
	Arsenic	5.12	+/-10	U	15.0	20.0	P	07/21/2025	16:56	LB136562
	Barium	14.6	+/-50	U	25.0	100	P	07/21/2025	16:56	LB136562
	Beryllium	0.56	+/-3	U	1.50	6.00	P	07/21/2025	16:56	LB136562
	Cadmium	0.50	+/-3	U	1.50	6.00	P	07/21/2025	16:56	LB136562
	Calcium	234	+/-1000	U	500	2000	P	07/21/2025	16:56	LB136562
	Chromium	2.12	+/-5	U	5.00	10.0	P	07/21/2025	16:56	LB136562
	Cobalt	2.26	+/-15	U	7.50	30.0	P	07/21/2025	16:56	LB136562
	Copper	4.60	+/-10	U	16.0	20.0	P	07/21/2025	16:56	LB136562
	Iron	23.4	+/-50	U	80.0	100	P	07/21/2025	16:56	LB136562
	Lead	2.30	+/-6	U	9.60	12.0	P	07/21/2025	16:56	LB136562

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Nobis Group

SDG No.: Q2638

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	07/21/2025	16:56	LB136562
	Manganese	5.94	+/-10	U	15.0	20.0	P	07/21/2025	16:56	LB136562
	Nickel	3.06	+/-20	U	10.0	40.0	P	07/21/2025	16:56	LB136562
	Potassium	918	+/-1000	U	1600	2000	P	07/21/2025	16:56	LB136562
	Selenium	9.64	+/-10	U	16.0	20.0	P	07/21/2025	16:56	LB136562
	Silver	1.62	+/-5	U	5.00	10.0	P	07/21/2025	16:56	LB136562
	Sodium	868	+/-1000	U	1000	2000	P	07/21/2025	16:56	LB136562
	Thallium	7.38	+/-20	J	20.0	40.0	P	07/21/2025	16:56	LB136562
	Vanadium	6.26	+/-20	U	20.0	40.0	P	07/21/2025	16:56	LB136562
	Zinc	16.7	+/-20	U	15.0	40.0	P	07/21/2025	16:56	LB136562
CCB05	Aluminum	11.3	+/-50	U	80.0	100	P	07/21/2025	17:31	LB136562
	Antimony	6.76	+/-25	U	12.5	50.0	P	07/21/2025	17:31	LB136562
	Arsenic	5.12	+/-10	U	15.0	20.0	P	07/21/2025	17:31	LB136562
	Barium	14.6	+/-50	U	25.0	100	P	07/21/2025	17:31	LB136562
	Beryllium	0.56	+/-3	U	1.50	6.00	P	07/21/2025	17:31	LB136562
	Cadmium	0.50	+/-3	U	1.50	6.00	P	07/21/2025	17:31	LB136562
	Calcium	234	+/-1000	U	500	2000	P	07/21/2025	17:31	LB136562
	Chromium	2.12	+/-5	U	5.00	10.0	P	07/21/2025	17:31	LB136562
	Cobalt	2.26	+/-15	U	7.50	30.0	P	07/21/2025	17:31	LB136562
	Copper	4.60	+/-10	U	16.0	20.0	P	07/21/2025	17:31	LB136562
	Iron	23.4	+/-50	U	80.0	100	P	07/21/2025	17:31	LB136562
	Lead	2.30	+/-6	U	9.60	12.0	P	07/21/2025	17:31	LB136562
	Magnesium	244	+/-1000	U	500	2000	P	07/21/2025	17:31	LB136562
	Manganese	5.94	+/-10	U	15.0	20.0	P	07/21/2025	17:31	LB136562
	Nickel	3.06	+/-20	U	10.0	40.0	P	07/21/2025	17:31	LB136562
	Potassium	918	+/-1000	U	1600	2000	P	07/21/2025	17:31	LB136562
	Selenium	9.64	+/-10	U	16.0	20.0	P	07/21/2025	17:31	LB136562
	Silver	1.62	+/-5	U	5.00	10.0	P	07/21/2025	17:31	LB136562
	Sodium	868	+/-1000	U	1000	2000	P	07/21/2025	17:31	LB136562
	Thallium	4.38	+/-20	U	20.0	40.0	P	07/21/2025	17:31	LB136562
	Vanadium	6.26	+/-20	U	20.0	40.0	P	07/21/2025	17:31	LB136562
	Zinc	16.7	+/-20	U	15.0	40.0	P	07/21/2025	17:31	LB136562

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Nobis Group

SDG No.: Q2638

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	LOD mg/Kg	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB168931BL		SOLID		Batch Number:		PB168931		Prep Date:	07/18/2025	
	Mercury	0.0070	<0.013	U	0.010	0.013	CV	07/21/2025	12:06	LB136551

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Nobis Group

SDG No.: Q2638

Instrument: P4

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	LOD mg/Kg	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB168917BL	SOLID			Batch Number:	PB168917			Prep Date:	07/18/2025	
	Aluminum	0.84	<2.5	U	4.00	5.00	P	07/21/2025	15:19	LB136562
	Antimony	0.22	<1.25	U	0.63	2.50	P	07/21/2025	15:19	LB136562
	Arsenic	0.19	<0.5	U	0.80	1.00	P	07/21/2025	15:19	LB136562
	Barium	0.73	<2.5	U	1.25	5.00	P	07/21/2025	15:19	LB136562
	Beryllium	0.025	<0.15	U	0.075	0.30	P	07/21/2025	15:19	LB136562
	Cadmium	0.024	<0.15	U	0.075	0.30	P	07/21/2025	15:19	LB136562
	Calcium	11.1	<50	U	25.0	100	P	07/21/2025	15:19	LB136562
	Chromium	0.047	<0.25	U	0.13	0.50	P	07/21/2025	15:19	LB136562
	Cobalt	0.10	<0.75	U	0.38	1.50	P	07/21/2025	15:19	LB136562
	Copper	0.22	<0.5	U	0.80	1.00	P	07/21/2025	15:19	LB136562
	Iron	3.99	<2.5	U	4.00	5.00	P	07/21/2025	15:19	LB136562
	Lead	0.13	<0.3	U	0.48	0.60	P	07/21/2025	15:19	LB136562
	Magnesium	12.0	<50	U	25.0	100	P	07/21/2025	15:19	LB136562
	Manganese	0.14	<0.5	U	0.25	1.00	P	07/21/2025	15:19	LB136562
	Nickel	0.13	<1	U	0.50	2.00	P	07/21/2025	15:19	LB136562
	Potassium	27.7	<50	U	80.0	100	P	07/21/2025	15:19	LB136562
	Selenium	0.26	<0.5	U	0.80	1.00	P	07/21/2025	15:19	LB136562
	Silver	0.12	<0.25	U	0.25	0.50	P	07/21/2025	15:19	LB136562
	Sodium	17.8	<50	U	80.0	100	P	07/21/2025	15:19	LB136562
	Thallium	0.39	<1	J	1.00	2.00	P	07/21/2025	15:19	LB136562
	Vanadium	0.25	<1	U	1.00	2.00	P	07/21/2025	15:19	LB136562
	Zinc	0.23	<1	U	0.50	2.00	P	07/21/2025	15:19	LB136562

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: <u>Nobis Group</u>	SDG No.: <u>Q2638</u>
Contract: <u>NOBI03</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	258000	255000	101	216000	294000	07/21/2025	13:13	LB136562
	Antimony	-3.12			-50	50	07/21/2025	13:13	LB136562
	Arsenic	11.0			-20	20	07/21/2025	13:13	LB136562
	Barium	4.41	6.0	74	-94	106	07/21/2025	13:13	LB136562
	Beryllium	0.67			-6	6	07/21/2025	13:13	LB136562
	Cadmium	-1.46	1.0	146	-5	7	07/21/2025	13:13	LB136562
	Calcium	246000	245000	100	208000	282000	07/21/2025	13:13	LB136562
	Chromium	56.3	52.0	108	42	62	07/21/2025	13:13	LB136562
	Cobalt	2.27			-30	30	07/21/2025	13:13	LB136562
	Copper	12.2	2.0	610	-18	22	07/21/2025	13:13	LB136562
	Iron	100000	101000	99	85600	116500	07/21/2025	13:13	LB136562
	Lead	-7.52			-12	12	07/21/2025	13:13	LB136562
	Magnesium	256000	255000	100	216000	294000	07/21/2025	13:13	LB136562
	Manganese	8.38	7.0	120	-13	27	07/21/2025	13:13	LB136562
	Nickel	5.64	2.0	282	-38	42	07/21/2025	13:13	LB136562
	Potassium	-167			0	0	07/21/2025	13:13	LB136562
	Selenium	-6.02			-20	20	07/21/2025	13:13	LB136562
	Silver	-0.16			-10	10	07/21/2025	13:13	LB136562
	Sodium	-265			0	0	07/21/2025	13:13	LB136562
	Thallium	7.66			-40	40	07/21/2025	13:13	LB136562
	Vanadium	4.46			-40	40	07/21/2025	13:13	LB136562
	Zinc	2.18			-40	40	07/21/2025	13:13	LB136562
ICSAB01	Aluminum	259000	247000	105	209000	285000	07/21/2025	13:24	LB136562
	Antimony	600	618	97	525	711	07/21/2025	13:24	LB136562
	Arsenic	106	104	102	88.4	120	07/21/2025	13:24	LB136562
	Barium	503	537	94	437	637	07/21/2025	13:24	LB136562
	Beryllium	480	495	97	420	570	07/21/2025	13:24	LB136562
	Cadmium	927	972	95	826	1120	07/21/2025	13:24	LB136562
	Calcium	247000	235000	105	199000	271000	07/21/2025	13:24	LB136562
	Chromium	524	542	97	460	624	07/21/2025	13:24	LB136562
	Cobalt	488	476	102	404	548	07/21/2025	13:24	LB136562
	Copper	470	511	92	434	588	07/21/2025	13:24	LB136562
	Iron	102000	99300	103	84400	114500	07/21/2025	13:24	LB136562
	Lead	37.7	49.0	77	37	61	07/21/2025	13:24	LB136562
	Magnesium	257000	248000	104	210000	286000	07/21/2025	13:24	LB136562
	Manganese	494	507	97	430	584	07/21/2025	13:24	LB136562
	Nickel	966	954	101	810	1100	07/21/2025	13:24	LB136562
	Potassium	-362			0	0	07/21/2025	13:24	LB136562
	Selenium	42.0	46.0	91	26	66	07/21/2025	13:24	LB136562
	Silver	210	201	104	170	232	07/21/2025	13:24	LB136562
	Sodium	-281			0	0	07/21/2025	13:24	LB136562
	Thallium	102	108	94	68	148	07/21/2025	13:24	LB136562

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: <u>Nobis Group</u>	SDG No.: <u>Q2638</u>
Contract: <u>NOBI03</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
ICSAB01	Vanadium	480	491	98	417	565	07/21/2025	13:24	LB136562
	Zinc	1020	952	107	809	1095	07/21/2025	13:24	LB136562



METAL QC DATA

metals
- 5a -
MATRIX SPIKE SUMMARY

client: <u>Nobis Group</u>	level: <u>low</u>	sdg no.: <u>Q2638</u>
contract: <u>NOBI03</u>		lab code: <u>ACE</u>
matrix: <u>Solid</u>	sample id: <u>Q2621-01</u>	client id: <u>TR-05-07162025MS</u>

Percent Solids for Sample: 94.1	Spiked ID: Q2621-01MS	Percent Solids for Spike Sample: 94.1
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Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 124	0.27		0.027		0.28	85		CV

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: <u>Nobis Group</u>	level: <u>low</u>	sdg no.: <u>Q2638</u>
contract: <u>NOBI03</u>		lab code: <u>ACE</u>
matrix: <u>Solid</u>	sample id: <u>Q2621-01</u>	client id: <u>TR-05-07162025MSD</u>
Percent Solids for Sample: 94.1	Spiked ID: Q2621-01MSD	Percent Solids for Spike Sample: 94.1

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 124	0.27		0.027		0.28	87		CV

metals
- 5a -
MATRIX SPIKE SUMMARY

client: <u>Nobis Group</u>	level: <u>low</u>	sdg no.: <u>Q2638</u>
contract: <u>NOBI03</u>		lab code: <u>ACE</u>
matrix: <u>Solid</u>	sample id: <u>Q2638-13</u>	client id: <u>OU4-TS-37-071725MS</u>
Percent Solids for Sample: 81.2	Spiked ID: Q2638-13MS	Percent Solids for Spike Sample: 81.2

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	74 - 119	13200		11300		110	1722		P
Antimony	mg/Kg	79 - 114	10.0		2.76	U	44.2	23	N	P
Arsenic	mg/Kg	82 - 111	41.7		9.62		44.2	73	N	P
Barium	mg/Kg	83 - 113	99.6		79.6		11.0	182		P
Beryllium	mg/Kg	83 - 113	8.42		0.61		11.0	71	N	P
Cadmium	mg/Kg	82 - 113	10.5		0.53		11.0	90		P
Calcium	mg/Kg	81 - 116	3030		2620		55.2	742		P
Chromium	mg/Kg	85 - 113	40.7		22.8		22.1	81	N	P
Cobalt	mg/Kg	85 - 112	24.5		12.8		11.0	107		P
Copper	mg/Kg	81 - 117	85.7		69.1		16.6	100		P
Iron	mg/Kg	81 - 118	22800		20400		170	1406		P
Lead	mg/Kg	81 - 112	74.9		27.8		55.2	85		P
Magnesium	mg/Kg	78 - 115	5680		4960		110	658		P
Manganese	mg/Kg	84 - 114	392		343		11.0	443		P
Nickel	mg/Kg	83 - 113	50.1		22.1		27.6	102		P
Potassium	mg/Kg	81 - 116	4920		4010		550	166		P
Selenium	mg/Kg	78 - 111	75.2		1.10	U	110	68	N	P
Silver	mg/Kg	82 - 112	8.02		4.56		4.1	84		P
Sodium	mg/Kg	83 - 118	226		78.3	J	170	87		P
Thallium	mg/Kg	83 - 111	104		1.26	J	110	94		P
Vanadium	mg/Kg	82 - 114	47.7		31.4		16.6	98		P
Zinc	mg/Kg	82 - 113	94.3		79.7		11.0	133		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: <u>Nobis Group</u>	level: <u>low</u>	sdg no.: <u>Q2638</u>
contract: <u>NOBI03</u>		lab code: <u>ACE</u>
matrix: <u>Solid</u>	sample id: <u>Q2638-13</u>	client id: <u>OU4-TS-37-071725MSD</u>
Percent Solids for Sample: 81.2	Spiked ID: Q2638-13MSD	Percent Solids for Spike Sample: 81.2

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	74 - 119	12400		11300		98.9	1074		P
Antimony	mg/Kg	79 - 114	9.17		2.76	U	39.6	23	N	P
Arsenic	mg/Kg	82 - 111	40.2		9.62		39.6	77	N	P
Barium	mg/Kg	83 - 113	94.4		79.6		9.9	149		P
Beryllium	mg/Kg	83 - 113	8.32		0.61		9.9	78	N	P
Cadmium	mg/Kg	82 - 113	10.4		0.53		9.9	100		P
Calcium	mg/Kg	81 - 116	2870		2620		49.5	520		P
Chromium	mg/Kg	85 - 113	39.4		22.8		19.8	84	N	P
Cobalt	mg/Kg	85 - 112	24.1		12.8		9.9	115	N	P
Copper	mg/Kg	81 - 117	83.2		69.1		14.8	95		P
Iron	mg/Kg	81 - 118	21500		20400		150	739		P
Lead	mg/Kg	81 - 112	73.2		27.8		49.5	92		P
Magnesium	mg/Kg	78 - 115	5450		4960		98.9	502		P
Manganese	mg/Kg	84 - 114	379		343		9.9	356		P
Nickel	mg/Kg	83 - 113	49.4		22.1		24.7	111		P
Potassium	mg/Kg	81 - 116	4710		4010		490	143		P
Selenium	mg/Kg	78 - 111	73.1		1.10	U	98.9	74	N	P
Silver	mg/Kg	82 - 112	7.56		4.56		3.7	81	N	P
Sodium	mg/Kg	83 - 118	215		78.3	J	150	91		P
Thallium	mg/Kg	83 - 111	102		1.26	J	98.9	102		P
Vanadium	mg/Kg	82 - 114	45.3		31.4		14.8	94		P
Zinc	mg/Kg	82 - 113	91.8		79.7		9.9	123		P

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: <u>Nobis Group</u>	SDG No.: <u>Q2638</u>	
Contract: <u>NOBI03</u>	Lab Code: <u>ACE</u>	
Matrix: <u>Solid</u>	Level: <u>LOW</u>	Client ID: <u>OU4-TS-37-071725A</u>
Sample ID: <u>Q2638-13</u>	Spiked ID: <u>Q2638-13A</u>	

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	mg/Kg	79 - 114	37.5		2.76	U	44.2	85		P
Arsenic	mg/Kg	82 - 111	45.3		9.62		44.2	81	N	P
Beryllium	mg/Kg	83 - 113	9.66		0.61		11.0	82	N	P
Chromium	mg/Kg	85 - 113	40.1		22.8		22.1	78	N	P
Cobalt	mg/Kg	85 - 112	24.0		12.8		11.0	102		P
Selenium	mg/Kg	78 - 111	87.3		1.10	U	110	79		P
Silver	mg/Kg	82 - 112	7.74		4.56		4.10	78	N	P

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	<u>Nobis Group</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q2638</u>
Contract:	<u>NOBI03</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>Q2621-01</u>	Client ID:	<u>TR-05-07162025DUP</u>
Percent Solids for Sample:	94.1	Duplicate ID	Q2621-01DUP	Percent Solids for Spike Sample:	94.1

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.027		0.024		12		CV

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	<u>Nobis Group</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q2638</u>
Contract:	<u>NOBI03</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>Q2621-01MS</u>	Client ID:	<u>TR-05-07162025MSD</u>
Percent Solids for Sample:	94.1	Duplicate ID	Q2621-01MSD	Percent Solids for Spike Sample:	94.1

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.27		0.27		2		CV

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	<u>Nobis Group</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q2638</u>
Contract:	<u>NOBI03</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>Q2638-13</u>	Client ID:	<u>OU4-TS-37-071725DUP</u>
Percent Solids for Sample:	81.2	Duplicate ID	Q2638-13DUP	Percent Solids for Spike Sample:	81.2

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	11300		12300		8		P
Antimony	mg/Kg	20	2.76	U	2.56	U			P
Arsenic	mg/Kg	20	9.62		10.3		6		P
Barium	mg/Kg	20	79.6		87.8		10		P
Beryllium	mg/Kg	20	0.61		0.66		9		P
Cadmium	mg/Kg	20	0.53		0.72		31	*	P
Calcium	mg/Kg	20	2620		3040		15		P
Chromium	mg/Kg	20	22.8		25.3		10		P
Cobalt	mg/Kg	20	12.8		14.3		11		P
Copper	mg/Kg	20	69.1		74.8		8		P
Iron	mg/Kg	20	20400		22600		10		P
Lead	mg/Kg	20	27.8		29.4		6		P
Magnesium	mg/Kg	20	4960		5380		8		P
Manganese	mg/Kg	20	343		373		8		P
Nickel	mg/Kg	20	22.1		25.0		12		P
Potassium	mg/Kg	20	4010		4470		11		P
Selenium	mg/Kg	20	1.10	U	1.02	U			P
Silver	mg/Kg	20	4.56		5.13		12		P
Sodium	mg/Kg	20	78.3	J	94.7	J	19		P
Thallium	mg/Kg	20	1.26	J	1.28	J	2		P
Vanadium	mg/Kg	20	31.4		34.4		9		P
Zinc	mg/Kg	20	79.7		86.1		8		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>Nobis Group</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q2638</u>
Contract:	<u>NOBI03</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>Q2638-13MS</u>	Client ID:	<u>OU4-TS-37-071725MSD</u>
Percent Solids for Sample:	81.2	Duplicate ID	Q2638-13MSD	Percent Solids for Spike Sample:	81.2

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	13200		12400		6		P
Antimony	mg/Kg	20	10.0		9.17		9		P
Arsenic	mg/Kg	20	41.7		40.2		4		P
Barium	mg/Kg	20	99.6		94.4		5		P
Beryllium	mg/Kg	20	8.42		8.32		1		P
Cadmium	mg/Kg	20	10.5		10.4		1		P
Calcium	mg/Kg	20	3030		2870		5		P
Chromium	mg/Kg	20	40.7		39.4		3		P
Cobalt	mg/Kg	20	24.5		24.1		2		P
Copper	mg/Kg	20	85.7		83.2		3		P
Iron	mg/Kg	20	22800		21500		6		P
Lead	mg/Kg	20	74.9		73.2		2		P
Magnesium	mg/Kg	20	5680		5450		4		P
Manganese	mg/Kg	20	392		379		3		P
Nickel	mg/Kg	20	50.1		49.4		1		P
Potassium	mg/Kg	20	4920		4710		4		P
Selenium	mg/Kg	20	75.2		73.1		3		P
Silver	mg/Kg	20	8.02		7.56		6		P
Sodium	mg/Kg	20	226		215		5		P
Thallium	mg/Kg	20	104		102		2		P
Vanadium	mg/Kg	20	47.7		45.3		5		P
Zinc	mg/Kg	20	94.3		91.8		3		P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client:	<u>Nobis Group</u>	SDG No.:	<u>Q2638</u>
Contract:	<u>NOBI03</u>	Lab Code:	<u>ACE</u>

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168917BS							
Aluminum	mg/Kg	100	103		103	74 - 119	P
Antimony	mg/Kg	40.0	42.0		105	79 - 114	P
Arsenic	mg/Kg	40.0	39.0		98	82 - 111	P
Barium	mg/Kg	10.0	10.6		106	83 - 113	P
Beryllium	mg/Kg	10.0	10.6		106	83 - 113	P
Cadmium	mg/Kg	10.0	9.45		94	82 - 113	P
Calcium	mg/Kg	50.0	56.7	J	113	81 - 116	P
Chromium	mg/Kg	20.0	19.8		99	85 - 113	P
Cobalt	mg/Kg	10.0	10.0		100	85 - 112	P
Copper	mg/Kg	15.0	15.7		105	81 - 117	P
Iron	mg/Kg	150	153		102	81 - 118	P
Lead	mg/Kg	50.0	47.3		95	81 - 112	P
Magnesium	mg/Kg	100	103		103	78 - 115	P
Manganese	mg/Kg	10.0	10.6		106	84 - 114	P
Nickel	mg/Kg	25.0	25.3		101	83 - 113	P
Potassium	mg/Kg	500	497		99	81 - 116	P
Selenium	mg/Kg	100	101		101	78 - 111	P
Silver	mg/Kg	3.8	3.74		98	82 - 112	P
Sodium	mg/Kg	150	130		87	83 - 118	P
Thallium	mg/Kg	100	108		108	83 - 111	P
Vanadium	mg/Kg	15.0	15.0		100	82 - 114	P
Zinc	mg/Kg	10.0	10.7		107	82 - 113	P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Nobis Group

SDG No.: Q2638

Contract: NOBI03

Lab Code: ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168931BS Mercury	mg/Kg	0.27	0.23		86	80 - 124	CV

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

TR-05-07162025L

Lab Name: Alliance **Contract:** NOBI03
Lab Code: ACE **Lb No.:** lb136551 **Lab Sample ID :** Q2621-01L **SDG No.:** Q2638
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	0.027	0.068 U	100.0		CV

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

OU4-TS-37-071725L

Lab Name: Alliance Contract: NOBI03
Lab Code: ACE Lb No.: lb136562 Lab Sample ID : Q2638-13L SDG No.: Q2638
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	11300		13200		17		P
Antimony	2.76	U	13.8	U			P
Arsenic	9.62		11.1		15		P
Barium	79.6		94.7		19		P
Beryllium	0.61		0.67	J	11		P
Cadmium	0.53		1.66	U	100.0		P
Calcium	2620		3170		21		P
Chromium	22.8		27.6		21		P
Cobalt	12.8		12.4		3		P
Copper	69.1		85.2		23		P
Iron	20400		24400		19		P
Lead	27.8		27.4		1		P
Magnesium	4960		6050		22		P
Manganese	343		422		23		P
Nickel	22.1		21.8		1		P
Potassium	4010		4560		14		P
Selenium	1.10	U	5.52	U			P
Silver	4.56		5.32		17		P
Sodium	78.3	J	552	U	100.0		P
Thallium	1.26	J	2.94	J	133		P
Vanadium	31.4		36.9		18		P
Zinc	79.7		94.2		18		P



METAL PREPARATION & INSTRUMENT DATA

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Nobis Group

SDG No.: Q2638

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:				
		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 INTERELEMENT CORRECTION FACTORS

Client: Nobis Group

SDG No.: Q2638

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:				
		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.: Q2638

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 INTERELEMEN CORRECTION FACTORS

Client: Nobis Group

SDG No.: Q2638

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

Metals

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ICP INTERELEMEN CORRECTION FACTORS

Client: Nobis Group

SDG No.: Q2638

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:				
		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.: Q2638

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: PB168917							
PB168917BL	PB168917BL	MB	SOLID	07/18/2025	2.00	100.0	100.00
PB168917BS	PB168917BS	LCS	SOLID	07/18/2025	2.00	100.0	100.00
Q2638-01	OU4-TS-31-071725	SAM	SOLID	07/18/2025	2.14	100.0	68.40
Q2638-03	OU4-TS-32-071725	SAM	SOLID	07/18/2025	2.28	100.0	65.10
Q2638-05	OU4-TS-33-071725	SAM	SOLID	07/18/2025	2.23	100.0	64.70
Q2638-07	OU4-TS-34-071725	SAM	SOLID	07/18/2025	2.44	100.0	68.50
Q2638-09	OU4-TS-35-071725	SAM	SOLID	07/18/2025	2.23	100.0	82.40
Q2638-11	OU4-TS-36-071725	SAM	SOLID	07/18/2025	2.41	100.0	81.90
Q2638-13	OU4-TS-37-071725	SAM	SOLID	07/18/2025	2.23	100.0	81.20
Q2638-13DUP	OU4-TS-37-071725DUP	DUP	SOLID	07/18/2025	2.41	100.0	81.20
Q2638-13MS	OU4-TS-37-071725MS	MS	SOLID	07/18/2025	2.23	100.0	81.20
Q2638-13MSD	OU4-TS-37-071725MSD	MSD	SOLID	07/18/2025	2.49	100.0	81.20

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SAMPLE PREPARATION SUMMARY

Client: Nobis Group

SDG No.: Q2638

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: PB168931							
PB168931BL	PB168931BL	MB	SOLID	07/18/2025	0.56	35.0	100.00
PB168931BS	PB168931BS	LCS	SOLID	07/18/2025	0.52	35.0	100.00
Q2621-01DUP	TR-05-07162025DUP	DUP	SOLID	07/18/2025	0.53	35.0	94.10
Q2621-01MS	TR-05-07162025MS	MS	SOLID	07/18/2025	0.53	35.0	94.10
Q2621-01MSD	TR-05-07162025MSD	MSD	SOLID	07/18/2025	0.53	35.0	94.10
Q2638-01	OU4-TS-31-071725	SAM	SOLID	07/18/2025	0.52	35.0	68.40
Q2638-03	OU4-TS-32-071725	SAM	SOLID	07/18/2025	0.57	35.0	65.10
Q2638-05	OU4-TS-33-071725	SAM	SOLID	07/18/2025	0.56	35.0	64.70
Q2638-07	OU4-TS-34-071725	SAM	SOLID	07/18/2025	0.54	35.0	68.50
Q2638-09	OU4-TS-35-071725	SAM	SOLID	07/18/2025	0.50	35.0	82.40
Q2638-11	OU4-TS-36-071725	SAM	SOLID	07/18/2025	0.59	35.0	81.90
Q2638-13	OU4-TS-37-071725	SAM	SOLID	07/18/2025	0.50	35.0	81.20

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ANALYSIS RUN LOG

Client: Nobis Group

Contract: NOBI03

Lab code: ACE

Sdg no.: Q2638

Instrument id number: _____

Method: _____

Run number: LB136551

Start date: 07/21/2025

End date: 07/21/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1129	HG
S0.2	S0.2	1	1132	HG
S2.5	S2.5	1	1134	HG
S5	S5	1	1136	HG
S7.5	S7.5	1	1139	HG
S10	S10	1	1141	HG
ICV34	ICV34	1	1144	HG
ICB34	ICB34	1	1147	HG
CCV28	CCV28	1	1149	HG
CCB28	CCB28	1	1151	HG
CRA	CRA	1	1159	HG
PB168931BL	PB168931BL	1	1206	HG
PB168931BS	PB168931BS	1	1208	HG
Q2621-01DUP	TR-05-07162025DUP	1	1219	HG
Q2621-01MS	TR-05-07162025MS	1	1221	HG
Q2621-01MSD	TR-05-07162025MSD	1	1223	HG
CCV29	CCV29	1	1228	HG
CCB29	CCB29	1	1231	HG
Q2638-01	OU4-TS-31-071725	1	1233	HG
Q2638-03	OU4-TS-32-071725	1	1235	HG
Q2638-05	OU4-TS-33-071725	1	1237	HG
Q2638-07	OU4-TS-34-071725	1	1240	HG
Q2638-09	OU4-TS-35-071725	1	1242	HG
Q2638-11	OU4-TS-36-071725	1	1244	HG
Q2638-13	OU4-TS-37-071725	1	1247	HG
CCV30	CCV30	1	1256	HG
CCB30	CCB30	1	1258	HG
Q2621-01L	TR-05-07162025L	5	1305	HG
CCV31	CCV31	1	1309	HG
CCB31	CCB31	1	1312	HG

metals
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ANALYSIS RUN LOG

Client: Nobis Group

Contract: NOBI03

Lab code: ACE

Sdg no.: Q2638

Instrument id number: _____

Method: _____

Run number: LB136562

Start date: 07/21/2025

End date: 07/21/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1128	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	1133	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	1137	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	1141	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	1145	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	1149	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	1233	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	1255	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	1304	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	1308	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	1313	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	1324	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	1336	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	1355	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	1446	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	1451	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB168917BL	PB168917BL	1	1519	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2638-01	OU4-TS-31-071725	1	1531	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2638-03	OU4-TS-32-071725	1	1539	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	1547	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	1551	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2638-05	OU4-TS-33-071725	1	1555	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2638-07	OU4-TS-34-071725	1	1600	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2638-09	OU4-TS-35-071725	1	1604	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2638-11	OU4-TS-36-071725	1	1608	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2638-13	OU4-TS-37-071725	1	1612	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2638-13DUP	OU4-TS-37-071725DUP	1	1616	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2638-13L	OU4-TS-37-071725L	5	1621	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2638-13MS	OU4-TS-37-071725MS	1	1625	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2638-13MSD	OU4-TS-37-071725MSD	1	1629	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2638-13A	OU4-TS-37-071725A	1	1633	Ag,As,Be,Co,Cr,Sb,Se
CCV04	CCV04	1	1650	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	1656	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB168917BS	PB168917BS	1	1707	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	1727	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	1731	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn