

LAB CHRONICLE

OrderID:	P5306	OrderDate:	12/17/2024 10:24:00 AM
Client:	Nobis Group	Project:	Raymark Superfund Site
Contact:	Adam Roy	Location:	L41,L61,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5306-01	OU4-VSL-07-121224	SOIL			12/12/24			12/17/24
			Mercury	7471B		12/18/24	12/18/24	
			Metals ICP-TAL	6010D		12/17/24	12/18/24	
P5306-03	OU4-VSL-08-121224	SOIL			12/12/24			12/17/24
			Mercury	7471B		12/18/24	12/18/24	
			Metals ICP-TAL	6010D		12/17/24	12/18/24	
P5306-05	OU4-VSL-09-121224	SOIL			12/12/24			12/17/24
			Mercury	7471B		12/18/24	12/18/24	
			Metals ICP-TAL	6010D		12/17/24	12/18/24	
P5306-07	OU4-VSL-10-121224	SOIL			12/12/24			12/17/24
			Mercury	7471B		12/18/24	12/18/24	
			Metals ICP-TAL	6010D		12/17/24	12/18/24	
P5306-09	OU4-VSL-11-121224	SOIL			12/12/24			12/17/24
			Mercury	7471B		12/18/24	12/18/24	
			Metals ICP-TAL	6010D		12/17/24	12/18/24	
P5306-11	OU4-VSL-12-121224	SOIL			12/12/24			12/17/24
			Mercury	7471B		12/18/24	12/18/24	
			Metals ICP-TAL	6010D		12/17/24	12/18/24	
P5306-13	OU4-VSL-13-121224	SOIL			12/12/24			12/17/24
			Mercury	7471B		12/18/24	12/18/24	
			Metals ICP-TAL	6010D		12/17/24	12/18/24	
P5306-15	OU4-VSL-14-121224	SOIL			12/12/24			12/17/24
			Mercury	7471B		12/18/24	12/18/24	
			Metals ICP-TAL	6010D		12/17/24	12/18/24	
P5306-17	OU4-VSL-06R-121224	SOIL			12/12/24			12/17/24

LAB CHRONICLE

Metals Group6	6010D	12/17/24	12/23/24
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Hit Summary Sheet
SW-846

SDG No.: P5306 **Order ID:** P5306
Client: Nobis Group **Project ID:** Raymark Superfund Site

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : OU4-VSL-07-121224									
P5306-01	OU4-VSL-07-121224	SOIL	Aluminum	5710		2.41	4.00	5.01	mg/Kg
P5306-01	OU4-VSL-07-121224	SOIL	Antimony	0.20	J	0.15	0.63	2.50	mg/Kg
P5306-01	OU4-VSL-07-121224	SOIL	Barium	12.8		0.64	1.25	5.01	mg/Kg
P5306-01	OU4-VSL-07-121224	SOIL	Beryllium	0.37		0.012	0.075	0.30	mg/Kg
P5306-01	OU4-VSL-07-121224	SOIL	Cadmium	2.00		0.016	0.075	0.30	mg/Kg
P5306-01	OU4-VSL-07-121224	SOIL	Calcium	5590		2.80	25.0	100	mg/Kg
P5306-01	OU4-VSL-07-121224	SOIL	Chromium	0.68		0.054	0.13	0.50	mg/Kg
P5306-01	OU4-VSL-07-121224	SOIL	Cobalt	16.1		0.058	0.38	1.50	mg/Kg
P5306-01	OU4-VSL-07-121224	SOIL	Copper	35.0		0.47	0.80	1.00	mg/Kg
P5306-01	OU4-VSL-07-121224	SOIL	Iron	25600		2.69	4.00	5.01	mg/Kg
P5306-01	OU4-VSL-07-121224	SOIL	Lead	2.34		0.15	0.48	0.60	mg/Kg
P5306-01	OU4-VSL-07-121224	SOIL	Magnesium	4540		3.43	25.0	100	mg/Kg
P5306-01	OU4-VSL-07-121224	SOIL	Manganese	237		0.071	0.25	1.00	mg/Kg
P5306-01	OU4-VSL-07-121224	SOIL	Mercury	0.0070	J	0.0060	0.010	0.013	mg/Kg
P5306-01	OU4-VSL-07-121224	SOIL	Nickel	6.04		0.090	0.50	2.00	mg/Kg
P5306-01	OU4-VSL-07-121224	SOIL	Potassium	76.8	J	28.7	80.1	100	mg/Kg
P5306-01	OU4-VSL-07-121224	SOIL	Sodium	892		36.1	80.1	100	mg/Kg
P5306-01	OU4-VSL-07-121224	SOIL	Vanadium	75.9		0.27	1.00	2.00	mg/Kg
P5306-01	OU4-VSL-07-121224	SOIL	Zinc	32.2		0.11	0.50	2.00	mg/Kg
Client ID : OU4-VSL-08-121224									
P5306-03	OU4-VSL-08-121224	SOIL	Aluminum	5550		2.58	4.28	5.35	mg/Kg
P5306-03	OU4-VSL-08-121224	SOIL	Barium	4.22	J	0.68	1.34	5.35	mg/Kg
P5306-03	OU4-VSL-08-121224	SOIL	Beryllium	0.21	J	0.013	0.080	0.32	mg/Kg
P5306-03	OU4-VSL-08-121224	SOIL	Cadmium	0.65		0.017	0.080	0.32	mg/Kg
P5306-03	OU4-VSL-08-121224	SOIL	Calcium	4180		2.99	26.7	107	mg/Kg
P5306-03	OU4-VSL-08-121224	SOIL	Chromium	1.79		0.058	0.13	0.54	mg/Kg
P5306-03	OU4-VSL-08-121224	SOIL	Cobalt	11.3		0.062	0.40	1.60	mg/Kg
P5306-03	OU4-VSL-08-121224	SOIL	Copper	37.3		0.50	0.86	1.07	mg/Kg
P5306-03	OU4-VSL-08-121224	SOIL	Iron	16600		2.88	4.28	5.35	mg/Kg
P5306-03	OU4-VSL-08-121224	SOIL	Lead	1.33		0.16	0.51	0.64	mg/Kg
P5306-03	OU4-VSL-08-121224	SOIL	Magnesium	4050		3.67	26.7	107	mg/Kg
P5306-03	OU4-VSL-08-121224	SOIL	Manganese	105		0.076	0.27	1.07	mg/Kg
P5306-03	OU4-VSL-08-121224	SOIL	Nickel	9.54		0.096	0.54	2.14	mg/Kg
P5306-03	OU4-VSL-08-121224	SOIL	Potassium	93.2	J	30.7	85.5	107	mg/Kg
P5306-03	OU4-VSL-08-121224	SOIL	Sodium	1420		38.6	85.5	107	mg/Kg
P5306-03	OU4-VSL-08-121224	SOIL	Vanadium	52.1		0.29	1.07	2.14	mg/Kg
P5306-03	OU4-VSL-08-121224	SOIL	Zinc	19.6		0.12	0.54	2.14	mg/Kg

Hit Summary Sheet
SW-846

SDG No.: P5306 **Order ID:** P5306
Client: Nobis Group **Project ID:** Raymark Superfund Site

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : OU4-VSL-09-121224									
P5306-05	OU4-VSL-09-121224	SOIL	Aluminum	5360		2.28	3.78	4.72	mg/Kg
P5306-05	OU4-VSL-09-121224	SOIL	Arsenic	0.82	J	0.27	0.76	0.95	mg/Kg
P5306-05	OU4-VSL-09-121224	SOIL	Barium	10.9		0.61	1.18	4.72	mg/Kg
P5306-05	OU4-VSL-09-121224	SOIL	Beryllium	0.35		0.011	0.071	0.28	mg/Kg
P5306-05	OU4-VSL-09-121224	SOIL	Cadmium	2.01		0.015	0.071	0.28	mg/Kg
P5306-05	OU4-VSL-09-121224	SOIL	Calcium	5030		2.64	23.6	94.5	mg/Kg
P5306-05	OU4-VSL-09-121224	SOIL	Chromium	0.46	J	0.051	0.12	0.47	mg/Kg
P5306-05	OU4-VSL-09-121224	SOIL	Cobalt	15.6		0.055	0.35	1.42	mg/Kg
P5306-05	OU4-VSL-09-121224	SOIL	Copper	35.5		0.44	0.76	0.95	mg/Kg
P5306-05	OU4-VSL-09-121224	SOIL	Iron	25300		2.54	3.78	4.72	mg/Kg
P5306-05	OU4-VSL-09-121224	SOIL	Lead	2.42		0.14	0.45	0.57	mg/Kg
P5306-05	OU4-VSL-09-121224	SOIL	Magnesium	3930		3.24	23.6	94.5	mg/Kg
P5306-05	OU4-VSL-09-121224	SOIL	Manganese	222		0.067	0.24	0.95	mg/Kg
P5306-05	OU4-VSL-09-121224	SOIL	Nickel	5.35		0.085	0.47	1.89	mg/Kg
P5306-05	OU4-VSL-09-121224	SOIL	Potassium	64.7	J	27.1	75.6	94.5	mg/Kg
P5306-05	OU4-VSL-09-121224	SOIL	Sodium	718		34.1	75.6	94.5	mg/Kg
P5306-05	OU4-VSL-09-121224	SOIL	Vanadium	75.6		0.26	0.95	1.89	mg/Kg
P5306-05	OU4-VSL-09-121224	SOIL	Zinc	40.5		0.10	0.47	1.89	mg/Kg
Client ID : OU4-VSL-10-121224									
P5306-07	OU4-VSL-10-121224	SOIL	Aluminum	5240		2.30	3.81	4.76	mg/Kg
P5306-07	OU4-VSL-10-121224	SOIL	Antimony	0.20	J	0.14	0.60	2.38	mg/Kg
P5306-07	OU4-VSL-10-121224	SOIL	Barium	14.9		0.61	1.19	4.76	mg/Kg
P5306-07	OU4-VSL-10-121224	SOIL	Beryllium	0.37		0.011	0.071	0.29	mg/Kg
P5306-07	OU4-VSL-10-121224	SOIL	Cadmium	2.30		0.015	0.071	0.29	mg/Kg
P5306-07	OU4-VSL-10-121224	SOIL	Calcium	5210		2.67	23.8	95.3	mg/Kg
P5306-07	OU4-VSL-10-121224	SOIL	Chromium	0.30	J	0.051	0.12	0.48	mg/Kg
P5306-07	OU4-VSL-10-121224	SOIL	Cobalt	16.9		0.055	0.36	1.43	mg/Kg
P5306-07	OU4-VSL-10-121224	SOIL	Copper	39.3		0.45	0.76	0.95	mg/Kg
P5306-07	OU4-VSL-10-121224	SOIL	Iron	26400		2.56	3.81	4.76	mg/Kg
P5306-07	OU4-VSL-10-121224	SOIL	Lead	2.22		0.14	0.46	0.57	mg/Kg
P5306-07	OU4-VSL-10-121224	SOIL	Magnesium	3780		3.27	23.8	95.3	mg/Kg
P5306-07	OU4-VSL-10-121224	SOIL	Manganese	239		0.068	0.24	0.95	mg/Kg
P5306-07	OU4-VSL-10-121224	SOIL	Nickel	4.87		0.086	0.48	1.91	mg/Kg
P5306-07	OU4-VSL-10-121224	SOIL	Potassium	64.5	J	27.3	76.2	95.3	mg/Kg
P5306-07	OU4-VSL-10-121224	SOIL	Sodium	742		34.4	76.2	95.3	mg/Kg
P5306-07	OU4-VSL-10-121224	SOIL	Vanadium	76.9		0.26	0.95	1.91	mg/Kg
P5306-07	OU4-VSL-10-121224	SOIL	Zinc	35.4		0.11	0.48	1.91	mg/Kg

Hit Summary Sheet
SW-846

SDG No.: P5306 **Order ID:** P5306
Client: Nobis Group **Project ID:** Raymark Superfund Site

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : OU4-VSL-11-121224									
P5306-09	OU4-VSL-11-121224	SOIL	Aluminum	4830		2.46	4.09	5.11	mg/Kg
P5306-09	OU4-VSL-11-121224	SOIL	Barium	11.6		0.65	1.28	5.11	mg/Kg
P5306-09	OU4-VSL-11-121224	SOIL	Beryllium	0.35		0.012	0.077	0.31	mg/Kg
P5306-09	OU4-VSL-11-121224	SOIL	Cadmium	1.79		0.016	0.077	0.31	mg/Kg
P5306-09	OU4-VSL-11-121224	SOIL	Calcium	4540		2.86	25.6	102	mg/Kg
P5306-09	OU4-VSL-11-121224	SOIL	Chromium	0.31	J	0.055	0.13	0.51	mg/Kg
P5306-09	OU4-VSL-11-121224	SOIL	Cobalt	15.8		0.059	0.38	1.53	mg/Kg
P5306-09	OU4-VSL-11-121224	SOIL	Copper	38.6		0.48	0.82	1.02	mg/Kg
P5306-09	OU4-VSL-11-121224	SOIL	Iron	24300		2.75	4.09	5.11	mg/Kg
P5306-09	OU4-VSL-11-121224	SOIL	Lead	2.43		0.15	0.49	0.61	mg/Kg
P5306-09	OU4-VSL-11-121224	SOIL	Magnesium	3730		3.51	25.6	102	mg/Kg
P5306-09	OU4-VSL-11-121224	SOIL	Manganese	222		0.073	0.26	1.02	mg/Kg
P5306-09	OU4-VSL-11-121224	SOIL	Nickel	4.66		0.092	0.51	2.04	mg/Kg
P5306-09	OU4-VSL-11-121224	SOIL	Potassium	58.6	J	29.3	81.8	102	mg/Kg
P5306-09	OU4-VSL-11-121224	SOIL	Sodium	615		36.9	81.8	102	mg/Kg
P5306-09	OU4-VSL-11-121224	SOIL	Vanadium	67.4		0.28	1.02	2.04	mg/Kg
P5306-09	OU4-VSL-11-121224	SOIL	Zinc	33.0		0.11	0.51	2.04	mg/Kg
Client ID : OU4-VSL-12-121224									
P5306-11	OU4-VSL-12-121224	SOIL	Aluminum	5780		2.18	3.61	4.51	mg/Kg
P5306-11	OU4-VSL-12-121224	SOIL	Arsenic	0.29	J	0.26	0.72	0.90	mg/Kg
P5306-11	OU4-VSL-12-121224	SOIL	Barium	3.11	J	0.58	1.13	4.51	mg/Kg
P5306-11	OU4-VSL-12-121224	SOIL	Beryllium	0.21	J	0.011	0.068	0.27	mg/Kg
P5306-11	OU4-VSL-12-121224	SOIL	Cadmium	0.82		0.014	0.068	0.27	mg/Kg
P5306-11	OU4-VSL-12-121224	SOIL	Calcium	4280		2.53	22.6	90.3	mg/Kg
P5306-11	OU4-VSL-12-121224	SOIL	Chromium	1.91		0.049	0.11	0.45	mg/Kg
P5306-11	OU4-VSL-12-121224	SOIL	Cobalt	11.4		0.052	0.34	1.35	mg/Kg
P5306-11	OU4-VSL-12-121224	SOIL	Copper	36.6		0.42	0.72	0.90	mg/Kg
P5306-11	OU4-VSL-12-121224	SOIL	Iron	16100		2.43	3.61	4.51	mg/Kg
P5306-11	OU4-VSL-12-121224	SOIL	Lead	1.34		0.14	0.43	0.54	mg/Kg
P5306-11	OU4-VSL-12-121224	SOIL	Magnesium	4170		3.10	22.6	90.3	mg/Kg
P5306-11	OU4-VSL-12-121224	SOIL	Manganese	91.9		0.064	0.23	0.90	mg/Kg
P5306-11	OU4-VSL-12-121224	SOIL	Nickel	10.3		0.081	0.45	1.81	mg/Kg
P5306-11	OU4-VSL-12-121224	SOIL	Potassium	87.6	J	25.9	72.2	90.3	mg/Kg
P5306-11	OU4-VSL-12-121224	SOIL	Sodium	1520		32.6	72.2	90.3	mg/Kg
P5306-11	OU4-VSL-12-121224	SOIL	Vanadium	55.4		0.24	0.90	1.81	mg/Kg
P5306-11	OU4-VSL-12-121224	SOIL	Zinc	18.3		0.099	0.45	1.81	mg/Kg
Client ID : OU4-VSL-13-121224									
P5306-13	OU4-VSL-13-121224	SOIL	Aluminum	4540		2.26	3.75	4.69	mg/Kg

Hit Summary Sheet SW-846

SDG No.:	P5306	Order ID:	P5306
Client:	Nobis Group	Project ID:	Raymark Superfund Site

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
P5306-13	OU4-VSL-13-121224	SOIL	Barium	2.50	J	0.60	1.17	4.69	mg/Kg
P5306-13	OU4-VSL-13-121224	SOIL	Beryllium	0.18	J	0.011	0.070	0.28	mg/Kg
P5306-13	OU4-VSL-13-121224	SOIL	Cadmium	0.54		0.015	0.070	0.28	mg/Kg
P5306-13	OU4-VSL-13-121224	SOIL	Calcium	3320		2.63	23.4	93.8	mg/Kg
P5306-13	OU4-VSL-13-121224	SOIL	Chromium	1.73		0.051	0.12	0.47	mg/Kg
P5306-13	OU4-VSL-13-121224	SOIL	Cobalt	9.10		0.054	0.35	1.41	mg/Kg
P5306-13	OU4-VSL-13-121224	SOIL	Copper	30.6		0.44	0.75	0.94	mg/Kg
P5306-13	OU4-VSL-13-121224	SOIL	Iron	12900		2.52	3.75	4.69	mg/Kg
P5306-13	OU4-VSL-13-121224	SOIL	Lead	0.97		0.14	0.45	0.56	mg/Kg
P5306-13	OU4-VSL-13-121224	SOIL	Magnesium	3490		3.22	23.4	93.8	mg/Kg
P5306-13	OU4-VSL-13-121224	SOIL	Manganese	85.0		0.067	0.23	0.94	mg/Kg
P5306-13	OU4-VSL-13-121224	SOIL	Mercury	0.0080	J	0.0060	0.011	0.013	mg/Kg
P5306-13	OU4-VSL-13-121224	SOIL	Nickel	8.22		0.084	0.47	1.88	mg/Kg
P5306-13	OU4-VSL-13-121224	SOIL	Potassium	69.4	J	26.9	75.0	93.8	mg/Kg
P5306-13	OU4-VSL-13-121224	SOIL	Sodium	1190		33.8	75.0	93.8	mg/Kg
P5306-13	OU4-VSL-13-121224	SOIL	Vanadium	47.5		0.25	0.94	1.88	mg/Kg
P5306-13	OU4-VSL-13-121224	SOIL	Zinc	15.4		0.10	0.47	1.88	mg/Kg
Client ID : OU4-VSL-14-121224									
P5306-15	OU4-VSL-14-121224	SOIL	Aluminum	4950		2.44	4.05	5.06	mg/Kg
P5306-15	OU4-VSL-14-121224	SOIL	Barium	2.81	J	0.65	1.27	5.06	mg/Kg
P5306-15	OU4-VSL-14-121224	SOIL	Beryllium	0.20	J	0.012	0.076	0.30	mg/Kg
P5306-15	OU4-VSL-14-121224	SOIL	Cadmium	0.56		0.016	0.076	0.30	mg/Kg
P5306-15	OU4-VSL-14-121224	SOIL	Calcium	3660		2.83	25.3	101	mg/Kg
P5306-15	OU4-VSL-14-121224	SOIL	Chromium	1.91		0.055	0.13	0.51	mg/Kg
P5306-15	OU4-VSL-14-121224	SOIL	Cobalt	10.1		0.059	0.38	1.52	mg/Kg
P5306-15	OU4-VSL-14-121224	SOIL	Copper	33.2		0.48	0.81	1.01	mg/Kg
P5306-15	OU4-VSL-14-121224	SOIL	Iron	14400		2.72	4.05	5.06	mg/Kg
P5306-15	OU4-VSL-14-121224	SOIL	Lead	1.07		0.15	0.49	0.61	mg/Kg
P5306-15	OU4-VSL-14-121224	SOIL	Magnesium	3830		3.47	25.3	101	mg/Kg
P5306-15	OU4-VSL-14-121224	SOIL	Manganese	92.5		0.072	0.25	1.01	mg/Kg
P5306-15	OU4-VSL-14-121224	SOIL	Nickel	9.16		0.091	0.51	2.02	mg/Kg
P5306-15	OU4-VSL-14-121224	SOIL	Potassium	74.9	J	29.1	81.0	101	mg/Kg
P5306-15	OU4-VSL-14-121224	SOIL	Sodium	1340		36.5	81.0	101	mg/Kg
P5306-15	OU4-VSL-14-121224	SOIL	Vanadium	52.1		0.27	1.01	2.02	mg/Kg
P5306-15	OU4-VSL-14-121224	SOIL	Zinc	16.9		0.11	0.51	2.02	mg/Kg
Client ID : OU4-VSL-06R-121224									
P5306-17	OU4-VSL-06R-121224	SOIL	Vanadium	74.6		0.24	0.91	1.81	mg/Kg



SAMPLE DATA

Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-07-121224	SDG No.:	P5306
Lab Sample ID:	P5306-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	90.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	5710		1	2.41	4.00	5.01	mg/Kg	12/17/24 14:00	12/18/24 16:36	SW6010	SW3050
7440-36-0	Antimony	0.20	J	1	0.15	0.63	2.50	mg/Kg	12/17/24 14:00	12/18/24 16:36	SW6010	SW3050
7440-38-2	Arsenic	0.80	U	1	0.29	0.80	1.00	mg/Kg	12/17/24 14:00	12/18/24 16:36	SW6010	SW3050
7440-39-3	Barium	12.8		1	0.64	1.25	5.01	mg/Kg	12/17/24 14:00	12/18/24 16:36	SW6010	SW3050
7440-41-7	Beryllium	0.37	N	1	0.012	0.075	0.30	mg/Kg	12/17/24 14:00	12/18/24 16:36	SW6010	SW3050
7440-43-9	Cadmium	2.00		1	0.016	0.075	0.30	mg/Kg	12/17/24 14:00	12/18/24 16:36	SW6010	SW3050
7440-70-2	Calcium	5590		1	2.80	25.0	100	mg/Kg	12/17/24 14:00	12/18/24 16:36	SW6010	SW3050
7440-47-3	Chromium	0.68	N	1	0.054	0.13	0.50	mg/Kg	12/17/24 14:00	12/18/24 16:36	SW6010	SW3050
7440-48-4	Cobalt	16.1	N	1	0.058	0.38	1.50	mg/Kg	12/17/24 14:00	12/18/24 16:36	SW6010	SW3050
7440-50-8	Copper	35.0		1	0.47	0.80	1.00	mg/Kg	12/17/24 14:00	12/18/24 16:36	SW6010	SW3050
7439-89-6	Iron	25600		1	2.69	4.00	5.01	mg/Kg	12/17/24 14:00	12/18/24 16:36	SW6010	SW3050
7439-92-1	Lead	2.34		1	0.15	0.48	0.60	mg/Kg	12/17/24 14:00	12/18/24 16:36	SW6010	SW3050
7439-95-4	Magnesium	4540		1	3.43	25.0	100	mg/Kg	12/17/24 14:00	12/18/24 16:36	SW6010	SW3050
7439-96-5	Manganese	237		1	0.071	0.25	1.00	mg/Kg	12/17/24 14:00	12/18/24 16:36	SW6010	SW3050
7439-97-6	Mercury	0.0070	JN	1	0.0060	0.010	0.013	mg/Kg	12/18/24 08:35	12/18/24 14:32	SW7471B	
7440-02-0	Nickel	6.04		1	0.090	0.50	2.00	mg/Kg	12/17/24 14:00	12/18/24 16:36	SW6010	SW3050
7440-09-7	Potassium	76.8	J	1	28.7	80.1	100	mg/Kg	12/17/24 14:00	12/18/24 16:36	SW6010	SW3050
7782-49-2	Selenium	0.80	U	1	0.33	0.80	1.00	mg/Kg	12/17/24 14:00	12/18/24 16:36	SW6010	SW3050
7440-22-4	Silver	0.25	U	1	0.052	0.25	0.50	mg/Kg	12/17/24 14:00	12/18/24 16:36	SW6010	SW3050
7440-23-5	Sodium	892		1	36.1	80.1	100	mg/Kg	12/17/24 14:00	12/18/24 16:36	SW6010	SW3050
7440-28-0	Thallium	1.00	U	1	0.44	1.00	2.00	mg/Kg	12/17/24 14:00	12/18/24 16:36	SW6010	SW3050
7440-62-2	Vanadium	75.9		1	0.27	1.00	2.00	mg/Kg	12/17/24 14:00	12/18/24 16:36	SW6010	SW3050
7440-66-6	Zinc	32.2		1	0.11	0.50	2.00	mg/Kg	12/17/24 14:00	12/18/24 16:36	SW6010	SW3050

Color Before:	Black	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:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-08-121224	SDG No.:	P5306
Lab Sample ID:	P5306-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	90.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	5550		1	2.58	4.28	5.35	mg/Kg	12/17/24 14:00	12/18/24 16:40	SW6010	SW3050
7440-36-0	Antimony	0.67	U	1	0.16	0.67	2.67	mg/Kg	12/17/24 14:00	12/18/24 16:40	SW6010	SW3050
7440-38-2	Arsenic	0.86	U	1	0.31	0.86	1.07	mg/Kg	12/17/24 14:00	12/18/24 16:40	SW6010	SW3050
7440-39-3	Barium	4.22	J	1	0.68	1.34	5.35	mg/Kg	12/17/24 14:00	12/18/24 16:40	SW6010	SW3050
7440-41-7	Beryllium	0.21	JN	1	0.013	0.080	0.32	mg/Kg	12/17/24 14:00	12/18/24 16:40	SW6010	SW3050
7440-43-9	Cadmium	0.65		1	0.017	0.080	0.32	mg/Kg	12/17/24 14:00	12/18/24 16:40	SW6010	SW3050
7440-70-2	Calcium	4180		1	2.99	26.7	107	mg/Kg	12/17/24 14:00	12/18/24 16:40	SW6010	SW3050
7440-47-3	Chromium	1.79	N	1	0.058	0.13	0.54	mg/Kg	12/17/24 14:00	12/18/24 16:40	SW6010	SW3050
7440-48-4	Cobalt	11.3	N	1	0.062	0.40	1.60	mg/Kg	12/17/24 14:00	12/18/24 16:40	SW6010	SW3050
7440-50-8	Copper	37.3		1	0.50	0.86	1.07	mg/Kg	12/17/24 14:00	12/18/24 16:40	SW6010	SW3050
7439-89-6	Iron	16600		1	2.88	4.28	5.35	mg/Kg	12/17/24 14:00	12/18/24 16:40	SW6010	SW3050
7439-92-1	Lead	1.33		1	0.16	0.51	0.64	mg/Kg	12/17/24 14:00	12/18/24 16:40	SW6010	SW3050
7439-95-4	Magnesium	4050		1	3.67	26.7	107	mg/Kg	12/17/24 14:00	12/18/24 16:40	SW6010	SW3050
7439-96-5	Manganese	105		1	0.076	0.27	1.07	mg/Kg	12/17/24 14:00	12/18/24 16:40	SW6010	SW3050
7439-97-6	Mercury	0.012	UN	1	0.0070	0.012	0.015	mg/Kg	12/18/24 08:35	12/18/24 14:34	SW7471B	
7440-02-0	Nickel	9.54		1	0.096	0.54	2.14	mg/Kg	12/17/24 14:00	12/18/24 16:40	SW6010	SW3050
7440-09-7	Potassium	93.2	J	1	30.7	85.5	107	mg/Kg	12/17/24 14:00	12/18/24 16:40	SW6010	SW3050
7782-49-2	Selenium	0.86	U	1	0.35	0.86	1.07	mg/Kg	12/17/24 14:00	12/18/24 16:40	SW6010	SW3050
7440-22-4	Silver	0.27	U	1	0.056	0.27	0.54	mg/Kg	12/17/24 14:00	12/18/24 16:40	SW6010	SW3050
7440-23-5	Sodium	1420		1	38.6	85.5	107	mg/Kg	12/17/24 14:00	12/18/24 16:40	SW6010	SW3050
7440-28-0	Thallium	1.07	U	1	0.47	1.07	2.14	mg/Kg	12/17/24 14:00	12/18/24 16:40	SW6010	SW3050
7440-62-2	Vanadium	52.1		1	0.29	1.07	2.14	mg/Kg	12/17/24 14:00	12/18/24 16:40	SW6010	SW3050
7440-66-6	Zinc	19.6		1	0.12	0.54	2.14	mg/Kg	12/17/24 14:00	12/18/24 16:40	SW6010	SW3050

Color Before:	Black	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:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-09-121224	SDG No.:	P5306
Lab Sample ID:	P5306-05	Matrix:	SOIL
Level (low/med):	low	% Solid:	90.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	5360		1	2.28	3.78	4.72	mg/Kg	12/17/24 14:00	12/18/24 16:44	SW6010	SW3050
7440-36-0	Antimony	0.59	U	1	0.14	0.59	2.36	mg/Kg	12/17/24 14:00	12/18/24 16:44	SW6010	SW3050
7440-38-2	Arsenic	0.82	J	1	0.27	0.76	0.95	mg/Kg	12/17/24 14:00	12/18/24 16:44	SW6010	SW3050
7440-39-3	Barium	10.9		1	0.61	1.18	4.72	mg/Kg	12/17/24 14:00	12/18/24 16:44	SW6010	SW3050
7440-41-7	Beryllium	0.35	N	1	0.011	0.071	0.28	mg/Kg	12/17/24 14:00	12/18/24 16:44	SW6010	SW3050
7440-43-9	Cadmium	2.01		1	0.015	0.071	0.28	mg/Kg	12/17/24 14:00	12/18/24 16:44	SW6010	SW3050
7440-70-2	Calcium	5030		1	2.64	23.6	94.5	mg/Kg	12/17/24 14:00	12/18/24 16:44	SW6010	SW3050
7440-47-3	Chromium	0.46	JN	1	0.051	0.12	0.47	mg/Kg	12/17/24 14:00	12/18/24 16:44	SW6010	SW3050
7440-48-4	Cobalt	15.6	N	1	0.055	0.35	1.42	mg/Kg	12/17/24 14:00	12/18/24 16:44	SW6010	SW3050
7440-50-8	Copper	35.5		1	0.44	0.76	0.95	mg/Kg	12/17/24 14:00	12/18/24 16:44	SW6010	SW3050
7439-89-6	Iron	25300		1	2.54	3.78	4.72	mg/Kg	12/17/24 14:00	12/18/24 16:44	SW6010	SW3050
7439-92-1	Lead	2.42		1	0.14	0.45	0.57	mg/Kg	12/17/24 14:00	12/18/24 16:44	SW6010	SW3050
7439-95-4	Magnesium	3930		1	3.24	23.6	94.5	mg/Kg	12/17/24 14:00	12/18/24 16:44	SW6010	SW3050
7439-96-5	Manganese	222		1	0.067	0.24	0.95	mg/Kg	12/17/24 14:00	12/18/24 16:44	SW6010	SW3050
7439-97-6	Mercury	0.011	UN	1	0.0060	0.011	0.014	mg/Kg	12/18/24 08:35	12/18/24 14:36	SW7471B	
7440-02-0	Nickel	5.35		1	0.085	0.47	1.89	mg/Kg	12/17/24 14:00	12/18/24 16:44	SW6010	SW3050
7440-09-7	Potassium	64.7	J	1	27.1	75.6	94.5	mg/Kg	12/17/24 14:00	12/18/24 16:44	SW6010	SW3050
7782-49-2	Selenium	0.76	U	1	0.31	0.76	0.95	mg/Kg	12/17/24 14:00	12/18/24 16:44	SW6010	SW3050
7440-22-4	Silver	0.24	U	1	0.049	0.24	0.47	mg/Kg	12/17/24 14:00	12/18/24 16:44	SW6010	SW3050
7440-23-5	Sodium	718		1	34.1	75.6	94.5	mg/Kg	12/17/24 14:00	12/18/24 16:44	SW6010	SW3050
7440-28-0	Thallium	0.95	U	1	0.42	0.95	1.89	mg/Kg	12/17/24 14:00	12/18/24 16:44	SW6010	SW3050
7440-62-2	Vanadium	75.6		1	0.26	0.95	1.89	mg/Kg	12/17/24 14:00	12/18/24 16:44	SW6010	SW3050
7440-66-6	Zinc	40.5		1	0.10	0.47	1.89	mg/Kg	12/17/24 14:00	12/18/24 16:44	SW6010	SW3050

Color Before:	Black	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:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-10-121224	SDG No.:	P5306
Lab Sample ID:	P5306-07	Matrix:	SOIL
Level (low/med):	low	% Solid:	95

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	5240		1	2.30	3.81	4.76	mg/Kg	12/17/24 14:00	12/18/24 16:49	SW6010	SW3050
7440-36-0	Antimony	0.20	J	1	0.14	0.60	2.38	mg/Kg	12/17/24 14:00	12/18/24 16:49	SW6010	SW3050
7440-38-2	Arsenic	0.76	U	1	0.28	0.76	0.95	mg/Kg	12/17/24 14:00	12/18/24 16:49	SW6010	SW3050
7440-39-3	Barium	14.9		1	0.61	1.19	4.76	mg/Kg	12/17/24 14:00	12/18/24 16:49	SW6010	SW3050
7440-41-7	Beryllium	0.37	N	1	0.011	0.071	0.29	mg/Kg	12/17/24 14:00	12/18/24 16:49	SW6010	SW3050
7440-43-9	Cadmium	2.30		1	0.015	0.071	0.29	mg/Kg	12/17/24 14:00	12/18/24 16:49	SW6010	SW3050
7440-70-2	Calcium	5210		1	2.67	23.8	95.3	mg/Kg	12/17/24 14:00	12/18/24 16:49	SW6010	SW3050
7440-47-3	Chromium	0.30	JN	1	0.051	0.12	0.48	mg/Kg	12/17/24 14:00	12/18/24 16:49	SW6010	SW3050
7440-48-4	Cobalt	16.9	N	1	0.055	0.36	1.43	mg/Kg	12/17/24 14:00	12/18/24 16:49	SW6010	SW3050
7440-50-8	Copper	39.3		1	0.45	0.76	0.95	mg/Kg	12/17/24 14:00	12/18/24 16:49	SW6010	SW3050
7439-89-6	Iron	26400		1	2.56	3.81	4.76	mg/Kg	12/17/24 14:00	12/18/24 16:49	SW6010	SW3050
7439-92-1	Lead	2.22		1	0.14	0.46	0.57	mg/Kg	12/17/24 14:00	12/18/24 16:49	SW6010	SW3050
7439-95-4	Magnesium	3780		1	3.27	23.8	95.3	mg/Kg	12/17/24 14:00	12/18/24 16:49	SW6010	SW3050
7439-96-5	Manganese	239		1	0.068	0.24	0.95	mg/Kg	12/17/24 14:00	12/18/24 16:49	SW6010	SW3050
7439-97-6	Mercury	0.011	UN	1	0.0060	0.011	0.014	mg/Kg	12/18/24 08:35	12/18/24 14:38	SW7471B	
7440-02-0	Nickel	4.87		1	0.086	0.48	1.91	mg/Kg	12/17/24 14:00	12/18/24 16:49	SW6010	SW3050
7440-09-7	Potassium	64.5	J	1	27.3	76.2	95.3	mg/Kg	12/17/24 14:00	12/18/24 16:49	SW6010	SW3050
7782-49-2	Selenium	0.76	U	1	0.31	0.76	0.95	mg/Kg	12/17/24 14:00	12/18/24 16:49	SW6010	SW3050
7440-22-4	Silver	0.24	U	1	0.050	0.24	0.48	mg/Kg	12/17/24 14:00	12/18/24 16:49	SW6010	SW3050
7440-23-5	Sodium	742		1	34.4	76.2	95.3	mg/Kg	12/17/24 14:00	12/18/24 16:49	SW6010	SW3050
7440-28-0	Thallium	0.95	U	1	0.42	0.95	1.91	mg/Kg	12/17/24 14:00	12/18/24 16:49	SW6010	SW3050
7440-62-2	Vanadium	76.9		1	0.26	0.95	1.91	mg/Kg	12/17/24 14:00	12/18/24 16:49	SW6010	SW3050
7440-66-6	Zinc	35.4		1	0.11	0.48	1.91	mg/Kg	12/17/24 14:00	12/18/24 16:49	SW6010	SW3050

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

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D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

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

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

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-11-121224	SDG No.:	P5306
Lab Sample ID:	P5306-09	Matrix:	SOIL
Level (low/med):	low	% Solid:	93.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	4830		1	2.46	4.09	5.11	mg/Kg	12/17/24 14:00	12/18/24 16:53	SW6010	SW3050
7440-36-0	Antimony	0.64	U	1	0.15	0.64	2.56	mg/Kg	12/17/24 14:00	12/18/24 16:53	SW6010	SW3050
7440-38-2	Arsenic	0.82	U	1	0.30	0.82	1.02	mg/Kg	12/17/24 14:00	12/18/24 16:53	SW6010	SW3050
7440-39-3	Barium	11.6		1	0.65	1.28	5.11	mg/Kg	12/17/24 14:00	12/18/24 16:53	SW6010	SW3050
7440-41-7	Beryllium	0.35	N	1	0.012	0.077	0.31	mg/Kg	12/17/24 14:00	12/18/24 16:53	SW6010	SW3050
7440-43-9	Cadmium	1.79		1	0.016	0.077	0.31	mg/Kg	12/17/24 14:00	12/18/24 16:53	SW6010	SW3050
7440-70-2	Calcium	4540		1	2.86	25.6	102	mg/Kg	12/17/24 14:00	12/18/24 16:53	SW6010	SW3050
7440-47-3	Chromium	0.31	JN	1	0.055	0.13	0.51	mg/Kg	12/17/24 14:00	12/18/24 16:53	SW6010	SW3050
7440-48-4	Cobalt	15.8	N	1	0.059	0.38	1.53	mg/Kg	12/17/24 14:00	12/18/24 16:53	SW6010	SW3050
7440-50-8	Copper	38.6		1	0.48	0.82	1.02	mg/Kg	12/17/24 14:00	12/18/24 16:53	SW6010	SW3050
7439-89-6	Iron	24300		1	2.75	4.09	5.11	mg/Kg	12/17/24 14:00	12/18/24 16:53	SW6010	SW3050
7439-92-1	Lead	2.43		1	0.15	0.49	0.61	mg/Kg	12/17/24 14:00	12/18/24 16:53	SW6010	SW3050
7439-95-4	Magnesium	3730		1	3.51	25.6	102	mg/Kg	12/17/24 14:00	12/18/24 16:53	SW6010	SW3050
7439-96-5	Manganese	222		1	0.073	0.26	1.02	mg/Kg	12/17/24 14:00	12/18/24 16:53	SW6010	SW3050
7439-97-6	Mercury	0.011	UN	1	0.0060	0.011	0.014	mg/Kg	12/18/24 08:35	12/18/24 14:41	SW7471B	
7440-02-0	Nickel	4.66		1	0.092	0.51	2.04	mg/Kg	12/17/24 14:00	12/18/24 16:53	SW6010	SW3050
7440-09-7	Potassium	58.6	J	1	29.3	81.8	102	mg/Kg	12/17/24 14:00	12/18/24 16:53	SW6010	SW3050
7782-49-2	Selenium	0.82	U	1	0.34	0.82	1.02	mg/Kg	12/17/24 14:00	12/18/24 16:53	SW6010	SW3050
7440-22-4	Silver	0.26	U	1	0.053	0.26	0.51	mg/Kg	12/17/24 14:00	12/18/24 16:53	SW6010	SW3050
7440-23-5	Sodium	615		1	36.9	81.8	102	mg/Kg	12/17/24 14:00	12/18/24 16:53	SW6010	SW3050
7440-28-0	Thallium	1.02	U	1	0.45	1.02	2.04	mg/Kg	12/17/24 14:00	12/18/24 16:53	SW6010	SW3050
7440-62-2	Vanadium	67.4		1	0.28	1.02	2.04	mg/Kg	12/17/24 14:00	12/18/24 16:53	SW6010	SW3050
7440-66-6	Zinc	33.0		1	0.11	0.51	2.04	mg/Kg	12/17/24 14:00	12/18/24 16:53	SW6010	SW3050

Color Before:	Black	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:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-12-121224	SDG No.:	P5306
Lab Sample ID:	P5306-11	Matrix:	SOIL
Level (low/med):	low	% Solid:	90.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	5780		1	2.18	3.61	4.51	mg/Kg	12/17/24 14:00	12/18/24 16:57	SW6010	SW3050
7440-36-0	Antimony	0.56	U	1	0.14	0.56	2.26	mg/Kg	12/17/24 14:00	12/18/24 16:57	SW6010	SW3050
7440-38-2	Arsenic	0.29	J	1	0.26	0.72	0.90	mg/Kg	12/17/24 14:00	12/18/24 16:57	SW6010	SW3050
7440-39-3	Barium	3.11	J	1	0.58	1.13	4.51	mg/Kg	12/17/24 14:00	12/18/24 16:57	SW6010	SW3050
7440-41-7	Beryllium	0.21	JN	1	0.011	0.068	0.27	mg/Kg	12/17/24 14:00	12/18/24 16:57	SW6010	SW3050
7440-43-9	Cadmium	0.82		1	0.014	0.068	0.27	mg/Kg	12/17/24 14:00	12/18/24 16:57	SW6010	SW3050
7440-70-2	Calcium	4280		1	2.53	22.6	90.3	mg/Kg	12/17/24 14:00	12/18/24 16:57	SW6010	SW3050
7440-47-3	Chromium	1.91	N	1	0.049	0.11	0.45	mg/Kg	12/17/24 14:00	12/18/24 16:57	SW6010	SW3050
7440-48-4	Cobalt	11.4	N	1	0.052	0.34	1.35	mg/Kg	12/17/24 14:00	12/18/24 16:57	SW6010	SW3050
7440-50-8	Copper	36.6		1	0.42	0.72	0.90	mg/Kg	12/17/24 14:00	12/18/24 16:57	SW6010	SW3050
7439-89-6	Iron	16100		1	2.43	3.61	4.51	mg/Kg	12/17/24 14:00	12/18/24 16:57	SW6010	SW3050
7439-92-1	Lead	1.34		1	0.14	0.43	0.54	mg/Kg	12/17/24 14:00	12/18/24 16:57	SW6010	SW3050
7439-95-4	Magnesium	4170		1	3.10	22.6	90.3	mg/Kg	12/17/24 14:00	12/18/24 16:57	SW6010	SW3050
7439-96-5	Manganese	91.9		1	0.064	0.23	0.90	mg/Kg	12/17/24 14:00	12/18/24 16:57	SW6010	SW3050
7439-97-6	Mercury	0.011	UN	1	0.0060	0.011	0.014	mg/Kg	12/18/24 08:35	12/18/24 14:43	SW7471B	
7440-02-0	Nickel	10.3		1	0.081	0.45	1.81	mg/Kg	12/17/24 14:00	12/18/24 16:57	SW6010	SW3050
7440-09-7	Potassium	87.6	J	1	25.9	72.2	90.3	mg/Kg	12/17/24 14:00	12/18/24 16:57	SW6010	SW3050
7782-49-2	Selenium	0.72	U	1	0.30	0.72	0.90	mg/Kg	12/17/24 14:00	12/18/24 16:57	SW6010	SW3050
7440-22-4	Silver	0.23	U	1	0.047	0.23	0.45	mg/Kg	12/17/24 14:00	12/18/24 16:57	SW6010	SW3050
7440-23-5	Sodium	1520		1	32.6	72.2	90.3	mg/Kg	12/17/24 14:00	12/18/24 16:57	SW6010	SW3050
7440-28-0	Thallium	0.90	U	1	0.40	0.90	1.81	mg/Kg	12/17/24 14:00	12/18/24 16:57	SW6010	SW3050
7440-62-2	Vanadium	55.4		1	0.24	0.90	1.81	mg/Kg	12/17/24 14:00	12/18/24 16:57	SW6010	SW3050
7440-66-6	Zinc	18.3		1	0.099	0.45	1.81	mg/Kg	12/17/24 14:00	12/18/24 16:57	SW6010	SW3050

Color Before:	Black	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:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-13-121224	SDG No.:	P5306
Lab Sample ID:	P5306-13	Matrix:	SOIL
Level (low/med):	low	% Solid:	90

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	4540		1	2.26	3.75	4.69	mg/Kg	12/17/24 14:00	12/18/24 17:10	SW6010	SW3050
7440-36-0	Antimony	0.59	U	1	0.14	0.59	2.34	mg/Kg	12/17/24 14:00	12/18/24 17:10	SW6010	SW3050
7440-38-2	Arsenic	0.75	U	1	0.27	0.75	0.94	mg/Kg	12/17/24 14:00	12/18/24 17:10	SW6010	SW3050
7440-39-3	Barium	2.50	J	1	0.60	1.17	4.69	mg/Kg	12/17/24 14:00	12/18/24 17:10	SW6010	SW3050
7440-41-7	Beryllium	0.18	JN	1	0.011	0.070	0.28	mg/Kg	12/17/24 14:00	12/18/24 17:10	SW6010	SW3050
7440-43-9	Cadmium	0.54		1	0.015	0.070	0.28	mg/Kg	12/17/24 14:00	12/18/24 17:10	SW6010	SW3050
7440-70-2	Calcium	3320		1	2.63	23.4	93.8	mg/Kg	12/17/24 14:00	12/18/24 17:10	SW6010	SW3050
7440-47-3	Chromium	1.73	N	1	0.051	0.12	0.47	mg/Kg	12/17/24 14:00	12/18/24 17:10	SW6010	SW3050
7440-48-4	Cobalt	9.10	N	1	0.054	0.35	1.41	mg/Kg	12/17/24 14:00	12/18/24 17:10	SW6010	SW3050
7440-50-8	Copper	30.6		1	0.44	0.75	0.94	mg/Kg	12/17/24 14:00	12/18/24 17:10	SW6010	SW3050
7439-89-6	Iron	12900		1	2.52	3.75	4.69	mg/Kg	12/17/24 14:00	12/18/24 17:10	SW6010	SW3050
7439-92-1	Lead	0.97		1	0.14	0.45	0.56	mg/Kg	12/17/24 14:00	12/18/24 17:10	SW6010	SW3050
7439-95-4	Magnesium	3490		1	3.22	23.4	93.8	mg/Kg	12/17/24 14:00	12/18/24 17:10	SW6010	SW3050
7439-96-5	Manganese	85.0		1	0.067	0.23	0.94	mg/Kg	12/17/24 14:00	12/18/24 17:10	SW6010	SW3050
7439-97-6	Mercury	0.0080	JN	1	0.0060	0.011	0.013	mg/Kg	12/18/24 08:35	12/18/24 14:50	SW7471B	
7440-02-0	Nickel	8.22		1	0.084	0.47	1.88	mg/Kg	12/17/24 14:00	12/18/24 17:10	SW6010	SW3050
7440-09-7	Potassium	69.4	J	1	26.9	75.0	93.8	mg/Kg	12/17/24 14:00	12/18/24 17:10	SW6010	SW3050
7782-49-2	Selenium	0.75	U	1	0.31	0.75	0.94	mg/Kg	12/17/24 14:00	12/18/24 17:10	SW6010	SW3050
7440-22-4	Silver	0.23	U	1	0.049	0.23	0.47	mg/Kg	12/17/24 14:00	12/18/24 17:10	SW6010	SW3050
7440-23-5	Sodium	1190		1	33.8	75.0	93.8	mg/Kg	12/17/24 14:00	12/18/24 17:10	SW6010	SW3050
7440-28-0	Thallium	0.94	U	1	0.41	0.94	1.88	mg/Kg	12/17/24 14:00	12/18/24 17:10	SW6010	SW3050
7440-62-2	Vanadium	47.5		1	0.25	0.94	1.88	mg/Kg	12/17/24 14:00	12/18/24 17:10	SW6010	SW3050
7440-66-6	Zinc	15.4		1	0.10	0.47	1.88	mg/Kg	12/17/24 14:00	12/18/24 17:10	SW6010	SW3050

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

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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:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-14-121224	SDG No.:	P5306
Lab Sample ID:	P5306-15	Matrix:	SOIL
Level (low/med):	low	% Solid:	95.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	4950		1	2.44	4.05	5.06	mg/Kg	12/17/24 14:00	12/18/24 17:14	SW6010	SW3050
7440-36-0	Antimony	0.63	U	1	0.15	0.63	2.53	mg/Kg	12/17/24 14:00	12/18/24 17:14	SW6010	SW3050
7440-38-2	Arsenic	0.81	U	1	0.29	0.81	1.01	mg/Kg	12/17/24 14:00	12/18/24 17:14	SW6010	SW3050
7440-39-3	Barium	2.81	J	1	0.65	1.27	5.06	mg/Kg	12/17/24 14:00	12/18/24 17:14	SW6010	SW3050
7440-41-7	Beryllium	0.20	JN	1	0.012	0.076	0.30	mg/Kg	12/17/24 14:00	12/18/24 17:14	SW6010	SW3050
7440-43-9	Cadmium	0.56		1	0.016	0.076	0.30	mg/Kg	12/17/24 14:00	12/18/24 17:14	SW6010	SW3050
7440-70-2	Calcium	3660		1	2.83	25.3	101	mg/Kg	12/17/24 14:00	12/18/24 17:14	SW6010	SW3050
7440-47-3	Chromium	1.91	N	1	0.055	0.13	0.51	mg/Kg	12/17/24 14:00	12/18/24 17:14	SW6010	SW3050
7440-48-4	Cobalt	10.1	N	1	0.059	0.38	1.52	mg/Kg	12/17/24 14:00	12/18/24 17:14	SW6010	SW3050
7440-50-8	Copper	33.2		1	0.48	0.81	1.01	mg/Kg	12/17/24 14:00	12/18/24 17:14	SW6010	SW3050
7439-89-6	Iron	14400		1	2.72	4.05	5.06	mg/Kg	12/17/24 14:00	12/18/24 17:14	SW6010	SW3050
7439-92-1	Lead	1.07		1	0.15	0.49	0.61	mg/Kg	12/17/24 14:00	12/18/24 17:14	SW6010	SW3050
7439-95-4	Magnesium	3830		1	3.47	25.3	101	mg/Kg	12/17/24 14:00	12/18/24 17:14	SW6010	SW3050
7439-96-5	Manganese	92.5		1	0.072	0.25	1.01	mg/Kg	12/17/24 14:00	12/18/24 17:14	SW6010	SW3050
7439-97-6	Mercury	0.010	UN	1	0.0050	0.010	0.012	mg/Kg	12/18/24 08:35	12/18/24 14:52	SW7471B	
7440-02-0	Nickel	9.16		1	0.091	0.51	2.02	mg/Kg	12/17/24 14:00	12/18/24 17:14	SW6010	SW3050
7440-09-7	Potassium	74.9	J	1	29.1	81.0	101	mg/Kg	12/17/24 14:00	12/18/24 17:14	SW6010	SW3050
7782-49-2	Selenium	0.81	U	1	0.33	0.81	1.01	mg/Kg	12/17/24 14:00	12/18/24 17:14	SW6010	SW3050
7440-22-4	Silver	0.25	U	1	0.053	0.25	0.51	mg/Kg	12/17/24 14:00	12/18/24 17:14	SW6010	SW3050
7440-23-5	Sodium	1340		1	36.5	81.0	101	mg/Kg	12/17/24 14:00	12/18/24 17:14	SW6010	SW3050
7440-28-0	Thallium	1.01	U	1	0.45	1.01	2.02	mg/Kg	12/17/24 14:00	12/18/24 17:14	SW6010	SW3050
7440-62-2	Vanadium	52.1		1	0.27	1.01	2.02	mg/Kg	12/17/24 14:00	12/18/24 17:14	SW6010	SW3050
7440-66-6	Zinc	16.9		1	0.11	0.51	2.02	mg/Kg	12/17/24 14:00	12/18/24 17:14	SW6010	SW3050

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

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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:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-06R-121224	SDG No.:	P5306
Lab Sample ID:	P5306-17	Matrix:	SOIL
Level (low/med):	low	% Solid:	91.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-62-2	Vanadium	74.6		1	0.24	0.91	1.81	mg/Kg	12/17/24 14:00	12/23/24 14:41	SW6010	SW3050

Color Before:	Black	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
Comments:	Metals Group6			

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

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 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.:** P5306
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** P5306 **SAS No.:** P5306
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
ICV24	Mercury	4.05	4.0	101	90 - 110	CV	12/18/2024	13:36	LB133991

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group **SDG No.:** P5306
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** P5306 **SAS No.:** P5306
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
CCV42	Mercury	4.53	5.0	91	90 - 110	CV	12/18/2024	13:41	LB133991
CCV43	Mercury	4.72	5.0	94	90 - 110	CV	12/18/2024	14:08	LB133991
CCV44	Mercury	4.51	5.0	90	90 - 110	CV	12/18/2024	14:45	LB133991
CCV45	Mercury	4.83	5.0	97	90 - 110	CV	12/18/2024	15:07	LB133991

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group SDG No.: P5306
Contract: NOBI03 Lab Code: CHEM Case No.: P5306 SAS No.: P5306
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	2460	2500	98	90 - 110	P	12/18/2024	14:40	LB134001
	Antimony	993	1000	99	90 - 110	P	12/18/2024	14:40	LB134001
	Arsenic	997	1000	100	90 - 110	P	12/18/2024	14:40	LB134001
	Barium	501	520	96	90 - 110	P	12/18/2024	14:40	LB134001
	Beryllium	497	510	97	90 - 110	P	12/18/2024	14:40	LB134001
	Cadmium	500	510	98	90 - 110	P	12/18/2024	14:40	LB134001
	Calcium	9800	10000	98	90 - 110	P	12/18/2024	14:40	LB134001
	Chromium	537	520	103	90 - 110	P	12/18/2024	14:40	LB134001
	Cobalt	507	520	97	90 - 110	P	12/18/2024	14:40	LB134001
	Copper	515	510	101	90 - 110	P	12/18/2024	14:40	LB134001
	Iron	10200	10000	102	90 - 110	P	12/18/2024	14:40	LB134001
	Lead	1000	1000	100	90 - 110	P	12/18/2024	14:40	LB134001
	Magnesium	5790	6000	96	90 - 110	P	12/18/2024	14:40	LB134001
	Manganese	503	520	97	90 - 110	P	12/18/2024	14:40	LB134001
	Nickel	509	530	96	90 - 110	P	12/18/2024	14:40	LB134001
	Potassium	9870	9900	100	90 - 110	P	12/18/2024	14:40	LB134001
	Selenium	1000	1000	100	90 - 110	P	12/18/2024	14:40	LB134001
	Silver	251	250	100	90 - 110	P	12/18/2024	14:40	LB134001
	Sodium	9810	10000	98	90 - 110	P	12/18/2024	14:40	LB134001
	Thallium	1020	1000	102	90 - 110	P	12/18/2024	14:40	LB134001
	Vanadium	494	500	99	90 - 110	P	12/18/2024	14:40	LB134001
	Zinc	1020	1000	102	90 - 110	P	12/18/2024	14:40	LB134001

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group SDG No.: P5306
Contract: NOBI03 Lab Code: CHEM Case No.: P5306 SAS No.: P5306
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	99.7	100	100	80 - 120	P	12/18/2024	14:58	LB134001
	Antimony	47.3	50.0	94	80 - 120	P	12/18/2024	14:58	LB134001
	Arsenic	20.0	20.0	100	80 - 120	P	12/18/2024	14:58	LB134001
	Barium	94.6	100	95	80 - 120	P	12/18/2024	14:58	LB134001
	Beryllium	5.68	6.0	95	80 - 120	P	12/18/2024	14:58	LB134001
	Cadmium	5.70	6.0	95	80 - 120	P	12/18/2024	14:58	LB134001
	Calcium	1920	2000	96	80 - 120	P	12/18/2024	14:58	LB134001
	Chromium	9.71	10.0	97	80 - 120	P	12/18/2024	14:58	LB134001
	Cobalt	28.3	30.0	94	80 - 120	P	12/18/2024	14:58	LB134001
	Copper	21.5	20.0	108	80 - 120	P	12/18/2024	14:58	LB134001
	Iron	95.9	100	96	80 - 120	P	12/18/2024	14:58	LB134001
	Lead	11.3	12.0	94	80 - 120	P	12/18/2024	14:58	LB134001
	Magnesium	2020	2000	101	80 - 120	P	12/18/2024	14:58	LB134001
	Manganese	19.4	20.0	97	80 - 120	P	12/18/2024	14:58	LB134001
	Nickel	37.5	40.0	94	80 - 120	P	12/18/2024	14:58	LB134001
	Potassium	1900	2000	95	80 - 120	P	12/18/2024	14:58	LB134001
	Selenium	18.8	20.0	94	80 - 120	P	12/18/2024	14:58	LB134001
	Silver	9.93	10.0	99	80 - 120	P	12/18/2024	14:58	LB134001
	Sodium	1900	2000	95	80 - 120	P	12/18/2024	14:58	LB134001
	Thallium	39.9	40.0	100	80 - 120	P	12/18/2024	14:58	LB134001
	Vanadium	36.4	40.0	91	80 - 120	P	12/18/2024	14:58	LB134001
	Zinc	45.4	40.0	114	80 - 120	P	12/18/2024	14:58	LB134001

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group SDG No.: P5306
 Contract: NOBI03 Lab Code: CHEM Case No.: P5306 SAS No.: P5306
 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	9860	10000	99	90 - 110	P	12/18/2024	15:27	LB134001
	Antimony	4870	5000	97	90 - 110	P	12/18/2024	15:27	LB134001
	Arsenic	4820	5000	96	90 - 110	P	12/18/2024	15:27	LB134001
	Barium	9880	10000	99	90 - 110	P	12/18/2024	15:27	LB134001
	Beryllium	249	250	100	90 - 110	P	12/18/2024	15:27	LB134001
	Cadmium	2420	2500	97	90 - 110	P	12/18/2024	15:27	LB134001
	Calcium	24800	25000	99	90 - 110	P	12/18/2024	15:27	LB134001
	Chromium	1000	1000	100	90 - 110	P	12/18/2024	15:27	LB134001
	Cobalt	2420	2500	97	90 - 110	P	12/18/2024	15:27	LB134001
	Copper	1230	1250	98	90 - 110	P	12/18/2024	15:27	LB134001
	Iron	4970	5000	99	90 - 110	P	12/18/2024	15:27	LB134001
	Lead	4840	5000	97	90 - 110	P	12/18/2024	15:27	LB134001
	Magnesium	24800	25000	99	90 - 110	P	12/18/2024	15:27	LB134001
	Manganese	2480	2500	99	90 - 110	P	12/18/2024	15:27	LB134001
	Nickel	2420	2500	97	90 - 110	P	12/18/2024	15:27	LB134001
	Potassium	24500	25000	98	90 - 110	P	12/18/2024	15:27	LB134001
	Selenium	4860	5000	97	90 - 110	P	12/18/2024	15:27	LB134001
	Silver	1240	1250	99	90 - 110	P	12/18/2024	15:27	LB134001
	Sodium	24600	25000	99	90 - 110	P	12/18/2024	15:27	LB134001
	Thallium	4790	5000	96	90 - 110	P	12/18/2024	15:27	LB134001
	Vanadium	2480	2500	99	90 - 110	P	12/18/2024	15:27	LB134001
	Zinc	2490	2500	100	90 - 110	P	12/18/2024	15:27	LB134001
CCV02	Aluminum	9580	10000	96	90 - 110	P	12/18/2024	16:10	LB134001
	Antimony	4780	5000	96	90 - 110	P	12/18/2024	16:10	LB134001
	Arsenic	4720	5000	94	90 - 110	P	12/18/2024	16:10	LB134001
	Barium	9790	10000	98	90 - 110	P	12/18/2024	16:10	LB134001
	Beryllium	236	250	94	90 - 110	P	12/18/2024	16:10	LB134001
	Cadmium	2350	2500	94	90 - 110	P	12/18/2024	16:10	LB134001
	Calcium	24000	25000	96	90 - 110	P	12/18/2024	16:10	LB134001
	Chromium	963	1000	96	90 - 110	P	12/18/2024	16:10	LB134001
	Cobalt	2350	2500	94	90 - 110	P	12/18/2024	16:10	LB134001
	Copper	1210	1250	96	90 - 110	P	12/18/2024	16:10	LB134001
	Iron	4910	5000	98	90 - 110	P	12/18/2024	16:10	LB134001
	Lead	4690	5000	94	90 - 110	P	12/18/2024	16:10	LB134001

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group SDG No.: P5306
Contract: NOBI03 Lab Code: CHEM Case No.: P5306 SAS No.: P5306
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	23800	25000	95	90 - 110	P	12/18/2024	16:10	LB134001
	Manganese	2390	2500	96	90 - 110	P	12/18/2024	16:10	LB134001
	Nickel	2360	2500	94	90 - 110	P	12/18/2024	16:10	LB134001
	Potassium	24400	25000	98	90 - 110	P	12/18/2024	16:10	LB134001
	Selenium	4780	5000	96	90 - 110	P	12/18/2024	16:10	LB134001
	Silver	1200	1250	96	90 - 110	P	12/18/2024	16:10	LB134001
	Sodium	24600	25000	98	90 - 110	P	12/18/2024	16:10	LB134001
	Thallium	4700	5000	94	90 - 110	P	12/18/2024	16:10	LB134001
	Vanadium	2410	2500	97	90 - 110	P	12/18/2024	16:10	LB134001
	Zinc	2430	2500	97	90 - 110	P	12/18/2024	16:10	LB134001
CCV03	Aluminum	9700	10000	97	90 - 110	P	12/18/2024	17:01	LB134001
	Antimony	4920	5000	98	90 - 110	P	12/18/2024	17:01	LB134001
	Arsenic	4840	5000	97	90 - 110	P	12/18/2024	17:01	LB134001
	Barium	9900	10000	99	90 - 110	P	12/18/2024	17:01	LB134001
	Beryllium	236	250	94	90 - 110	P	12/18/2024	17:01	LB134001
	Cadmium	2390	2500	96	90 - 110	P	12/18/2024	17:01	LB134001
	Calcium	23800	25000	95	90 - 110	P	12/18/2024	17:01	LB134001
	Chromium	975	1000	98	90 - 110	P	12/18/2024	17:01	LB134001
	Cobalt	2390	2500	96	90 - 110	P	12/18/2024	17:01	LB134001
	Copper	1230	1250	99	90 - 110	P	12/18/2024	17:01	LB134001
	Iron	5000	5000	100	90 - 110	P	12/18/2024	17:01	LB134001
	Lead	4760	5000	95	90 - 110	P	12/18/2024	17:01	LB134001
	Magnesium	23600	25000	94	90 - 110	P	12/18/2024	17:01	LB134001
	Manganese	2410	2500	96	90 - 110	P	12/18/2024	17:01	LB134001
	Nickel	2400	2500	96	90 - 110	P	12/18/2024	17:01	LB134001
	Potassium	24900	25000	100	90 - 110	P	12/18/2024	17:01	LB134001
	Selenium	4900	5000	98	90 - 110	P	12/18/2024	17:01	LB134001
	Silver	1220	1250	98	90 - 110	P	12/18/2024	17:01	LB134001
	Sodium	25100	25000	100	90 - 110	P	12/18/2024	17:01	LB134001
	Thallium	4840	5000	97	90 - 110	P	12/18/2024	17:01	LB134001
CCV04	Vanadium	2430	2500	97	90 - 110	P	12/18/2024	17:01	LB134001
	Zinc	2460	2500	98	90 - 110	P	12/18/2024	17:01	LB134001
	Aluminum	9610	10000	96	90 - 110	P	12/18/2024	17:43	LB134001
	Antimony	4880	5000	98	90 - 110	P	12/18/2024	17:43	LB134001

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group SDG No.: P5306
 Contract: NOBI03 Lab Code: CHEM Case No.: P5306 SAS No.: P5306
 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	4810	5000	96	90 - 110	P	12/18/2024	17:43	LB134001
	Barium	9850	10000	98	90 - 110	P	12/18/2024	17:43	LB134001
	Beryllium	235	250	94	90 - 110	P	12/18/2024	17:43	LB134001
	Cadmium	2350	2500	94	90 - 110	P	12/18/2024	17:43	LB134001
	Calcium	23600	25000	94	90 - 110	P	12/18/2024	17:43	LB134001
	Chromium	966	1000	97	90 - 110	P	12/18/2024	17:43	LB134001
	Cobalt	2360	2500	94	90 - 110	P	12/18/2024	17:43	LB134001
	Copper	1230	1250	99	90 - 110	P	12/18/2024	17:43	LB134001
	Iron	4950	5000	99	90 - 110	P	12/18/2024	17:43	LB134001
	Lead	4700	5000	94	90 - 110	P	12/18/2024	17:43	LB134001
	Magnesium	23500	25000	94	90 - 110	P	12/18/2024	17:43	LB134001
	Manganese	2400	2500	96	90 - 110	P	12/18/2024	17:43	LB134001
	Nickel	2360	2500	95	90 - 110	P	12/18/2024	17:43	LB134001
	Potassium	24700	25000	99	90 - 110	P	12/18/2024	17:43	LB134001
	Selenium	4890	5000	98	90 - 110	P	12/18/2024	17:43	LB134001
	Silver	1210	1250	97	90 - 110	P	12/18/2024	17:43	LB134001
	Sodium	24900	25000	100	90 - 110	P	12/18/2024	17:43	LB134001
	Thallium	4770	5000	95	90 - 110	P	12/18/2024	17:43	LB134001
	Vanadium	2410	2500	96	90 - 110	P	12/18/2024	17:43	LB134001
	Zinc	2460	2500	98	90 - 110	P	12/18/2024	17:43	LB134001
CCV05	Aluminum	9620	10000	96	90 - 110	P	12/18/2024	18:33	LB134001
	Antimony	4660	5000	93	90 - 110	P	12/18/2024	18:33	LB134001
	Arsenic	4660	5000	93	90 - 110	P	12/18/2024	18:33	LB134001
	Barium	9390	10000	94	90 - 110	P	12/18/2024	18:33	LB134001
	Beryllium	256	250	102	90 - 110	P	12/18/2024	18:33	LB134001
	Cadmium	2440	2500	98	90 - 110	P	12/18/2024	18:33	LB134001
	Calcium	24600	25000	98	90 - 110	P	12/18/2024	18:33	LB134001
	Chromium	1010	1000	101	90 - 110	P	12/18/2024	18:33	LB134001
	Cobalt	2410	2500	96	90 - 110	P	12/18/2024	18:33	LB134001
	Copper	1200	1250	96	90 - 110	P	12/18/2024	18:33	LB134001
	Iron	4850	5000	97	90 - 110	P	12/18/2024	18:33	LB134001
	Lead	4830	5000	97	90 - 110	P	12/18/2024	18:33	LB134001
	Magnesium	25100	25000	100	90 - 110	P	12/18/2024	18:33	LB134001
	Manganese	2500	2500	100	90 - 110	P	12/18/2024	18:33	LB134001

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group **SDG No.:** P5306
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** P5306 **SAS No.:** P5306
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	2420	2500	97	90 - 110	P	12/18/2024	18:33	LB134001
	Potassium	23300	25000	93	90 - 110	P	12/18/2024	18:33	LB134001
	Selenium	4650	5000	93	90 - 110	P	12/18/2024	18:33	LB134001
	Silver	1220	1250	98	90 - 110	P	12/18/2024	18:33	LB134001
	Sodium	23200	25000	93	90 - 110	P	12/18/2024	18:33	LB134001
	Thallium	4850	5000	97	90 - 110	P	12/18/2024	18:33	LB134001
	Vanadium	2450	2500	98	90 - 110	P	12/18/2024	18:33	LB134001
	Zinc	2430	2500	97	90 - 110	P	12/18/2024	18:33	LB134001

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group SDG No.: P5306
 Contract: NOBI03 Lab Code: CHEM Case No.: P5306 SAS No.: P5306
 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	2410	2500	97	90 - 110	P	12/23/2024	11:17	LB134066
	Antimony	1010	1000	101	90 - 110	P	12/23/2024	11:17	LB134066
	Arsenic	1050	1000	105	90 - 110	P	12/23/2024	11:17	LB134066
	Barium	484	520	93	90 - 110	P	12/23/2024	11:17	LB134066
	Beryllium	472	510	93	90 - 110	P	12/23/2024	11:17	LB134066
	Cadmium	508	510	100	90 - 110	P	12/23/2024	11:17	LB134066
	Calcium	9500	10000	95	90 - 110	P	12/23/2024	11:17	LB134066
	Chromium	532	520	102	90 - 110	P	12/23/2024	11:17	LB134066
	Cobalt	516	520	99	90 - 110	P	12/23/2024	11:17	LB134066
	Copper	530	510	104	90 - 110	P	12/23/2024	11:17	LB134066
	Iron	10200	10000	102	90 - 110	P	12/23/2024	11:17	LB134066
	Lead	1020	1000	102	90 - 110	P	12/23/2024	11:17	LB134066
	Magnesium	5570	6000	93	90 - 110	P	12/23/2024	11:17	LB134066
	Manganese	490	520	94	90 - 110	P	12/23/2024	11:17	LB134066
	Nickel	519	530	98	90 - 110	P	12/23/2024	11:17	LB134066
	Potassium	9950	9900	100	90 - 110	P	12/23/2024	11:17	LB134066
	Selenium	1050	1000	105	90 - 110	P	12/23/2024	11:17	LB134066
	Silver	260	250	104	90 - 110	P	12/23/2024	11:17	LB134066
	Sodium	9710	10000	97	90 - 110	P	12/23/2024	11:17	LB134066
	Thallium	1020	1000	102	90 - 110	P	12/23/2024	11:17	LB134066
	Vanadium	470	500	94	90 - 110	P	12/23/2024	11:17	LB134066
	Zinc	1030	1000	103	90 - 110	P	12/23/2024	11:17	LB134066

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group SDG No.: P5306
Contract: NOBI03 Lab Code: CHEM Case No.: P5306 SAS No.: P5306
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	99.3	100	99	80 - 120	P	12/23/2024	11:37	LB134066
	Antimony	50.0	50.0	100	80 - 120	P	12/23/2024	11:37	LB134066
	Arsenic	20.6	20.0	103	80 - 120	P	12/23/2024	11:37	LB134066
	Barium	90.4	100	90	80 - 120	P	12/23/2024	11:37	LB134066
	Beryllium	5.75	6.0	96	80 - 120	P	12/23/2024	11:37	LB134066
	Cadmium	5.89	6.0	98	80 - 120	P	12/23/2024	11:37	LB134066
	Calcium	1970	2000	98	80 - 120	P	12/23/2024	11:37	LB134066
	Chromium	9.87	10.0	99	80 - 120	P	12/23/2024	11:37	LB134066
	Cobalt	29.2	30.0	97	80 - 120	P	12/23/2024	11:37	LB134066
	Copper	21.8	20.0	109	80 - 120	P	12/23/2024	11:37	LB134066
	Iron	105	100	104	80 - 120	P	12/23/2024	11:37	LB134066
	Lead	12.0	12.0	100	80 - 120	P	12/23/2024	11:37	LB134066
	Magnesium	2020	2000	101	80 - 120	P	12/23/2024	11:37	LB134066
	Manganese	19.5	20.0	98	80 - 120	P	12/23/2024	11:37	LB134066
	Nickel	39.3	40.0	98	80 - 120	P	12/23/2024	11:37	LB134066
	Potassium	1870	2000	94	80 - 120	P	12/23/2024	11:37	LB134066
	Selenium	19.0	20.0	95	80 - 120	P	12/23/2024	11:37	LB134066
	Silver	10.8	10.0	108	80 - 120	P	12/23/2024	11:37	LB134066
	Sodium	1800	2000	90	80 - 120	P	12/23/2024	11:37	LB134066
	Thallium	40.5	40.0	101	80 - 120	P	12/23/2024	11:37	LB134066
	Vanadium	38.0	40.0	95	80 - 120	P	12/23/2024	11:37	LB134066
	Zinc	45.7	40.0	114	80 - 120	P	12/23/2024	11:37	LB134066

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group SDG No.: P5306
 Contract: NOBI03 Lab Code: CHEM Case No.: P5306 SAS No.: P5306
 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	9870	10000	99	90 - 110	P	12/23/2024	12:31	LB134066
	Antimony	5170	5000	103	90 - 110	P	12/23/2024	12:31	LB134066
	Arsenic	5110	5000	102	90 - 110	P	12/23/2024	12:31	LB134066
	Barium	9710	10000	97	90 - 110	P	12/23/2024	12:31	LB134066
	Beryllium	232	250	93	90 - 110	P	12/23/2024	12:31	LB134066
	Cadmium	2450	2500	98	90 - 110	P	12/23/2024	12:31	LB134066
	Calcium	23800	25000	95	90 - 110	P	12/23/2024	12:31	LB134066
	Chromium	998	1000	100	90 - 110	P	12/23/2024	12:31	LB134066
	Cobalt	2460	2500	98	90 - 110	P	12/23/2024	12:31	LB134066
	Copper	1280	1250	102	90 - 110	P	12/23/2024	12:31	LB134066
	Iron	5080	5000	102	90 - 110	P	12/23/2024	12:31	LB134066
	Lead	4890	5000	98	90 - 110	P	12/23/2024	12:31	LB134066
	Magnesium	23600	25000	94	90 - 110	P	12/23/2024	12:31	LB134066
	Manganese	2380	2500	95	90 - 110	P	12/23/2024	12:31	LB134066
	Nickel	2470	2500	99	90 - 110	P	12/23/2024	12:31	LB134066
	Potassium	25700	25000	103	90 - 110	P	12/23/2024	12:31	LB134066
	Selenium	5190	5000	104	90 - 110	P	12/23/2024	12:31	LB134066
	Silver	1250	1250	100	90 - 110	P	12/23/2024	12:31	LB134066
	Sodium	25200	25000	101	90 - 110	P	12/23/2024	12:31	LB134066
	Thallium	5150	5000	103	90 - 110	P	12/23/2024	12:31	LB134066
	Vanadium	2440	2500	98	90 - 110	P	12/23/2024	12:31	LB134066
	Zinc	2450	2500	98	90 - 110	P	12/23/2024	12:31	LB134066
CCV02	Aluminum	10200	10000	102	90 - 110	P	12/23/2024	13:43	LB134066
	Antimony	5450	5000	109	90 - 110	P	12/23/2024	13:43	LB134066
	Arsenic	5360	5000	107	90 - 110	P	12/23/2024	13:43	LB134066
	Barium	10100	10000	101	90 - 110	P	12/23/2024	13:43	LB134066
	Beryllium	230	250	92	90 - 110	P	12/23/2024	13:43	LB134066
	Cadmium	2500	2500	100	90 - 110	P	12/23/2024	13:43	LB134066
	Calcium	24000	25000	96	90 - 110	P	12/23/2024	13:43	LB134066
	Chromium	1000	1000	100	90 - 110	P	12/23/2024	13:43	LB134066
	Cobalt	2520	2500	101	90 - 110	P	12/23/2024	13:43	LB134066
	Copper	1340	1250	107	90 - 110	P	12/23/2024	13:43	LB134066
	Iron	5260	5000	105	90 - 110	P	12/23/2024	13:43	LB134066
	Lead	4990	5000	100	90 - 110	P	12/23/2024	13:43	LB134066

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group SDG No.: P5306
Contract: NOBI03 Lab Code: CHEM Case No.: P5306 SAS No.: P5306
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	23600	25000	94	90 - 110	P	12/23/2024	13:43	LB134066
	Manganese	2410	2500	96	90 - 110	P	12/23/2024	13:43	LB134066
	Nickel	2530	2500	101	90 - 110	P	12/23/2024	13:43	LB134066
	Potassium	27300	25000	109	90 - 110	P	12/23/2024	13:43	LB134066
	Selenium	5480	5000	110	90 - 110	P	12/23/2024	13:43	LB134066
	Silver	1270	1250	102	90 - 110	P	12/23/2024	13:43	LB134066
	Sodium	26600	25000	106	90 - 110	P	12/23/2024	13:43	LB134066
	Thallium	5230	5000	105	90 - 110	P	12/23/2024	13:43	LB134066
	Vanadium	2490	2500	100	90 - 110	P	12/23/2024	13:43	LB134066
	Zinc	2450	2500	98	90 - 110	P	12/23/2024	13:43	LB134066
CCV03	Aluminum	10200	10000	102	90 - 110	P	12/23/2024	14:07	LB134066
	Antimony	5490	5000	110	90 - 110	P	12/23/2024	14:07	LB134066
	Arsenic	5340	5000	107	90 - 110	P	12/23/2024	14:07	LB134066
	Barium	10200	10000	102	90 - 110	P	12/23/2024	14:07	LB134066
	Beryllium	230	250	92	90 - 110	P	12/23/2024	14:07	LB134066
	Cadmium	2470	2500	99	90 - 110	P	12/23/2024	14:07	LB134066
	Calcium	24000	25000	96	90 - 110	P	12/23/2024	14:07	LB134066
	Chromium	1000	1000	100	90 - 110	P	12/23/2024	14:07	LB134066
	Cobalt	2500	2500	100	90 - 110	P	12/23/2024	14:07	LB134066
	Copper	1340	1250	107	90 - 110	P	12/23/2024	14:07	LB134066
	Iron	5200	5000	104	90 - 110	P	12/23/2024	14:07	LB134066
	Lead	4940	5000	99	90 - 110	P	12/23/2024	14:07	LB134066
	Magnesium	23400	25000	94	90 - 110	P	12/23/2024	14:07	LB134066
	Manganese	2400	2500	96	90 - 110	P	12/23/2024	14:07	LB134066
	Nickel	2510	2500	100	90 - 110	P	12/23/2024	14:07	LB134066
	Potassium	27200	25000	109	90 - 110	P	12/23/2024	14:07	LB134066
	Selenium	5480	5000	110	90 - 110	P	12/23/2024	14:07	LB134066
	Silver	1270	1250	102	90 - 110	P	12/23/2024	14:07	LB134066
	Sodium	26100	25000	104	90 - 110	P	12/23/2024	14:07	LB134066
	Thallium	5190	5000	104	90 - 110	P	12/23/2024	14:07	LB134066
CCV04	Vanadium	2490	2500	100	90 - 110	P	12/23/2024	14:07	LB134066
	Zinc	2450	2500	98	90 - 110	P	12/23/2024	14:07	LB134066
	Aluminum	10000	10000	100	90 - 110	P	12/23/2024	15:06	LB134066
	Antimony	5310	5000	106	90 - 110	P	12/23/2024	15:06	LB134066

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group SDG No.: P5306
 Contract: NOBI03 Lab Code: CHEM Case No.: P5306 SAS No.: P5306
 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	5210	5000	104	90 - 110	P	12/23/2024	15:06	LB134066
	Barium	9720	10000	97	90 - 110	P	12/23/2024	15:06	LB134066
	Beryllium	226	250	90	90 - 110	P	12/23/2024	15:06	LB134066
	Cadmium	2450	2500	98	90 - 110	P	12/23/2024	15:06	LB134066
	Calcium	23400	25000	94	90 - 110	P	12/23/2024	15:06	LB134066
	Chromium	998	1000	100	90 - 110	P	12/23/2024	15:06	LB134066
	Cobalt	2460	2500	98	90 - 110	P	12/23/2024	15:06	LB134066
	Copper	1300	1250	104	90 - 110	P	12/23/2024	15:06	LB134066
	Iron	5150	5000	103	90 - 110	P	12/23/2024	15:06	LB134066
	Lead	4870	5000	97	90 - 110	P	12/23/2024	15:06	LB134066
	Magnesium	23100	25000	92	90 - 110	P	12/23/2024	15:06	LB134066
	Manganese	2330	2500	93	90 - 110	P	12/23/2024	15:06	LB134066
	Nickel	2480	2500	99	90 - 110	P	12/23/2024	15:06	LB134066
	Potassium	26400	25000	106	90 - 110	P	12/23/2024	15:06	LB134066
	Selenium	5340	5000	107	90 - 110	P	12/23/2024	15:06	LB134066
	Silver	1250	1250	100	90 - 110	P	12/23/2024	15:06	LB134066
	Sodium	24200	25000	97	90 - 110	P	12/23/2024	15:06	LB134066
	Thallium	5280	5000	106	90 - 110	P	12/23/2024	15:06	LB134066
	Vanadium	2440	2500	98	90 - 110	P	12/23/2024	15:06	LB134066
	Zinc	2350	2500	94	90 - 110	P	12/23/2024	15:06	LB134066
CCV05	Aluminum	10300	10000	103	90 - 110	P	12/23/2024	16:06	LB134066
	Antimony	5490	5000	110	90 - 110	P	12/23/2024	16:06	LB134066
	Arsenic	5380	5000	108	90 - 110	P	12/23/2024	16:06	LB134066
	Barium	9910	10000	99	90 - 110	P	12/23/2024	16:06	LB134066
	Beryllium	227	250	91	90 - 110	P	12/23/2024	16:06	LB134066
	Cadmium	2470	2500	99	90 - 110	P	12/23/2024	16:06	LB134066
	Calcium	23700	25000	95	90 - 110	P	12/23/2024	16:06	LB134066
	Chromium	1010	1000	101	90 - 110	P	12/23/2024	16:06	LB134066
	Cobalt	2490	2500	100	90 - 110	P	12/23/2024	16:06	LB134066
	Copper	1340	1250	108	90 - 110	P	12/23/2024	16:06	LB134066
	Iron	5240	5000	105	90 - 110	P	12/23/2024	16:06	LB134066
	Lead	4920	5000	98	90 - 110	P	12/23/2024	16:06	LB134066
	Magnesium	23200	25000	93	90 - 110	P	12/23/2024	16:06	LB134066
	Manganese	2360	2500	94	90 - 110	P	12/23/2024	16:06	LB134066

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group SDG No.: P5306
 Contract: NOBI03 Lab Code: CHEM Case No.: P5306 SAS No.: P5306
 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	2510	2500	100	90 - 110	P	12/23/2024	16:06	LB134066
	Potassium	27100	25000	108	90 - 110	P	12/23/2024	16:06	LB134066
	Selenium	5500	5000	110	90 - 110	P	12/23/2024	16:06	LB134066
	Silver	1270	1250	102	90 - 110	P	12/23/2024	16:06	LB134066
	Sodium	25000	25000	100	90 - 110	P	12/23/2024	16:06	LB134066
	Thallium	5080	5000	102	90 - 110	P	12/23/2024	16:06	LB134066
	Vanadium	2490	2500	100	90 - 110	P	12/23/2024	16:06	LB134066
	Zinc	2350	2500	94	90 - 110	P	12/23/2024	16:06	LB134066
CCV06	Aluminum	10300	10000	103	90 - 110	P	12/23/2024	16:54	LB134066
	Antimony	5440	5000	109	90 - 110	P	12/23/2024	16:54	LB134066
	Arsenic	5350	5000	107	90 - 110	P	12/23/2024	16:54	LB134066
	Barium	10100	10000	101	90 - 110	P	12/23/2024	16:54	LB134066
	Beryllium	243	250	97	90 - 110	P	12/23/2024	16:54	LB134066
	Cadmium	2540	2500	102	90 - 110	P	12/23/2024	16:54	LB134066
	Calcium	24500	25000	98	90 - 110	P	12/23/2024	16:54	LB134066
	Chromium	1040	1000	104	90 - 110	P	12/23/2024	16:54	LB134066
	Cobalt	2540	2500	102	90 - 110	P	12/23/2024	16:54	LB134066
	Copper	1350	1250	108	90 - 110	P	12/23/2024	16:54	LB134066
	Iron	5220	5000	104	90 - 110	P	12/23/2024	16:54	LB134066
	Lead	5030	5000	100	90 - 110	P	12/23/2024	16:54	LB134066
	Magnesium	24200	25000	97	90 - 110	P	12/23/2024	16:54	LB134066
	Manganese	2430	2500	97	90 - 110	P	12/23/2024	16:54	LB134066
	Nickel	2560	2500	102	90 - 110	P	12/23/2024	16:54	LB134066
	Potassium	26600	25000	106	90 - 110	P	12/23/2024	16:54	LB134066
	Selenium	5460	5000	109	90 - 110	P	12/23/2024	16:54	LB134066
	Silver	1280	1250	103	90 - 110	P	12/23/2024	16:54	LB134066
	Sodium	24700	25000	99	90 - 110	P	12/23/2024	16:54	LB134066
	Thallium	5270	5000	105	90 - 110	P	12/23/2024	16:54	LB134066
	Vanadium	2540	2500	101	90 - 110	P	12/23/2024	16:54	LB134066
	Zinc	2340	2500	94	90 - 110	P	12/23/2024	16:54	LB134066

Metals

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CRDL STANDARD FOR AA & ICP

Client: Nobis Group SDG No.: P5306
Contract: NOBI03 Lab Code: CHEM Case No.: P5306 SAS No.: P5306
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	0.16	0.2	82	40 - 160	CV	12/18/2024	13:45	LB133991
CRI01	Aluminum	97.1	100	97	40 - 160	P	12/18/2024	15:07	LB134001
	Antimony	47.2	50.0	94	40 - 160	P	12/18/2024	15:07	LB134001
	Arsenic	20.5	20.0	102	40 - 160	P	12/18/2024	15:07	LB134001
	Barium	91.9	100	92	40 - 160	P	12/18/2024	15:07	LB134001
	Beryllium	5.60	6.0	93	40 - 160	P	12/18/2024	15:07	LB134001
	Cadmium	5.61	6.0	94	40 - 160	P	12/18/2024	15:07	LB134001
	Calcium	1890	2000	94	40 - 160	P	12/18/2024	15:07	LB134001
	Chromium	9.82	10.0	98	40 - 160	P	12/18/2024	15:07	LB134001
	Cobalt	28.0	30.0	93	40 - 160	P	12/18/2024	15:07	LB134001
	Copper	21.4	20.0	107	40 - 160	P	12/18/2024	15:07	LB134001
	Iron	93.2	100	93	40 - 160	P	12/18/2024	15:07	LB134001
	Lead	11.1	12.0	93	40 - 160	P	12/18/2024	15:07	LB134001
	Magnesium	1990	2000	99	40 - 160	P	12/18/2024	15:07	LB134001
	Manganese	19.3	20.0	96	40 - 160	P	12/18/2024	15:07	LB134001
	Nickel	37.1	40.0	93	40 - 160	P	12/18/2024	15:07	LB134001
	Potassium	1890	2000	95	40 - 160	P	12/18/2024	15:07	LB134001
	Selenium	17.2	20.0	86	40 - 160	P	12/18/2024	15:07	LB134001
	Silver	9.79	10.0	98	40 - 160	P	12/18/2024	15:07	LB134001
	Sodium	1880	2000	94	40 - 160	P	12/18/2024	15:07	LB134001
	Thallium	38.1	40.0	95	40 - 160	P	12/18/2024	15:07	LB134001
	Vanadium	35.4	40.0	88	40 - 160	P	12/18/2024	15:07	LB134001
	Zinc	44.9	40.0	112	40 - 160	P	12/18/2024	15:07	LB134001
CRI01	Aluminum	102	100	102	40 - 160	P	12/23/2024	11:51	LB134066
	Antimony	49.6	50.0	99	40 - 160	P	12/23/2024	11:51	LB134066
	Arsenic	19.2	20.0	96	40 - 160	P	12/23/2024	11:51	LB134066
	Barium	92.0	100	92	40 - 160	P	12/23/2024	11:51	LB134066
	Beryllium	5.71	6.0	95	40 - 160	P	12/23/2024	11:51	LB134066
	Cadmium	5.81	6.0	97	40 - 160	P	12/23/2024	11:51	LB134066
	Calcium	1940	2000	97	40 - 160	P	12/23/2024	11:51	LB134066
	Chromium	9.74	10.0	97	40 - 160	P	12/23/2024	11:51	LB134066
	Cobalt	29.2	30.0	97	40 - 160	P	12/23/2024	11:51	LB134066
	Copper	21.9	20.0	110	40 - 160	P	12/23/2024	11:51	LB134066
	Iron	100	100	100	40 - 160	P	12/23/2024	11:51	LB134066
	Lead	11.0	12.0	92	40 - 160	P	12/23/2024	11:51	LB134066

Metals

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CRDL STANDARD FOR AA & ICP

Client: Nobis Group **SDG No.:** P5306
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** P5306 **SAS No.:** P5306
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	2040	2000	102	40 - 160	P	12/23/2024	11:51	LB134066
	Manganese	19.6	20.0	98	40 - 160	P	12/23/2024	11:51	LB134066
	Nickel	39.3	40.0	98	40 - 160	P	12/23/2024	11:51	LB134066
	Potassium	1910	2000	96	40 - 160	P	12/23/2024	11:51	LB134066
	Selenium	17.1	20.0	86	40 - 160	P	12/23/2024	11:51	LB134066
	Silver	11.0	10.0	110	40 - 160	P	12/23/2024	11:51	LB134066
	Sodium	1810	2000	91	40 - 160	P	12/23/2024	11:51	LB134066
	Thallium	41.5	40.0	104	40 - 160	P	12/23/2024	11:51	LB134066
	Vanadium	38.4	40.0	96	40 - 160	P	12/23/2024	11:51	LB134066
	Zinc	41.4	40.0	104	40 - 160	P	12/23/2024	11:51	LB134066



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

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Nobis Group

SDG No.: P5306

Contract: NOBI03

Lab Code: CHEM

Case No.: P5306

SAS No.: P5306

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB24	Mercury	0.20	+/-0.20	U	0.16	0.20	CV	12/18/2024	13:39	LB133991

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Nobis Group **SDG No.:** P5306
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** P5306 **SAS No.:** P5306

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB42	Mercury	0.20	+/-0.20	U	0.16	0.20	CV	12/18/2024	13:43	LB133991
CCB43	Mercury	0.20	+/-0.20	U	0.16	0.20	CV	12/18/2024	14:11	LB133991
CCB44	Mercury	0.20	+/-0.20	U	0.16	0.20	CV	12/18/2024	14:48	LB133991
CCB45	Mercury	0.20	+/-0.20	U	0.16	0.20	CV	12/18/2024	15:09	LB133991

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Nobis Group **SDG No.:** P5306
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** P5306 **SAS No.:** P5306

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	100	+/-100	U	80.0	100	P	12/18/2024	15:03	LB134001
	Antimony	50.0	+/-50.0	U	12.5	50.0	P	12/18/2024	15:03	LB134001
	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	12/18/2024	15:03	LB134001
	Barium	100	+/-100	U	25.0	100	P	12/18/2024	15:03	LB134001
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	12/18/2024	15:03	LB134001
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	12/18/2024	15:03	LB134001
	Calcium	2000	+/-2000	U	500	2000	P	12/18/2024	15:03	LB134001
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	12/18/2024	15:03	LB134001
	Cobalt	30.0	+/-30.0	U	7.50	30.0	P	12/18/2024	15:03	LB134001
	Copper	20.0	+/-20.0	U	16.0	20.0	P	12/18/2024	15:03	LB134001
	Iron	100	+/-100	U	80.0	100	P	12/18/2024	15:03	LB134001
	Lead	12.0	+/-12.0	U	9.60	12.0	P	12/18/2024	15:03	LB134001
	Magnesium	2000	+/-2000	U	500	2000	P	12/18/2024	15:03	LB134001
	Manganese	20.0	+/-20.0	U	5.00	20.0	P	12/18/2024	15:03	LB134001
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	12/18/2024	15:03	LB134001
	Potassium	2000	+/-2000	U	1600	2000	P	12/18/2024	15:03	LB134001
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	12/18/2024	15:03	LB134001
	Silver	10.0	+/-10.0	U	5.00	10.0	P	12/18/2024	15:03	LB134001
	Sodium	2000	+/-2000	U	1000	2000	P	12/18/2024	15:03	LB134001
	Thallium	40.0	+/-40.0	U	20.0	40.0	P	12/18/2024	15:03	LB134001
	Vanadium	40.0	+/-40.0	U	20.0	40.0	P	12/18/2024	15:03	LB134001
	Zinc	40.0	+/-40.0	U	10.0	40.0	P	12/18/2024	15:03	LB134001

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Nobis Group		SDG No.: P5306								
Contract: NOBI03	Lab Code: CHEM	Case No.: P5306	SAS No.: P5306							
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	100	+/-100	U	80.0	100	P	12/18/2024	15:31	LB134001
	Antimony	50.0	+/-50.0	U	12.5	50.0	P	12/18/2024	15:31	LB134001
	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	12/18/2024	15:31	LB134001
	Barium	100	+/-100	U	25.0	100	P	12/18/2024	15:31	LB134001
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	12/18/2024	15:31	LB134001
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	12/18/2024	15:31	LB134001
	Calcium	73.6	+/-2000	J	500	2000	P	12/18/2024	15:31	LB134001
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	12/18/2024	15:31	LB134001
	Cobalt	30.0	+/-30.0	U	7.50	30.0	P	12/18/2024	15:31	LB134001
	Copper	20.0	+/-20.0	U	16.0	20.0	P	12/18/2024	15:31	LB134001
	Iron	100	+/-100	U	80.0	100	P	12/18/2024	15:31	LB134001
	Lead	12.0	+/-12.0	U	9.60	12.0	P	12/18/2024	15:31	LB134001
	Magnesium	2000	+/-2000	U	500	2000	P	12/18/2024	15:31	LB134001
	Manganese	20.0	+/-20.0	U	5.00	20.0	P	12/18/2024	15:31	LB134001
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	12/18/2024	15:31	LB134001
	Potassium	2000	+/-2000	U	1600	2000	P	12/18/2024	15:31	LB134001
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	12/18/2024	15:31	LB134001
	Silver	10.0	+/-10.0	U	5.00	10.0	P	12/18/2024	15:31	LB134001
	Sodium	2000	+/-2000	U	1000	2000	P	12/18/2024	15:31	LB134001
	Thallium	40.0	+/-40.0	U	20.0	40.0	P	12/18/2024	15:31	LB134001
	Vanadium	40.0	+/-40.0	U	20.0	40.0	P	12/18/2024	15:31	LB134001
	Zinc	7.56	+/-40.0	J	10.0	40.0	P	12/18/2024	15:31	LB134001
CCB02	Aluminum	100	+/-100	U	80.0	100	P	12/18/2024	16:14	LB134001
	Antimony	50.0	+/-50.0	U	12.5	50.0	P	12/18/2024	16:14	LB134001
	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	12/18/2024	16:14	LB134001
	Barium	100	+/-100	U	25.0	100	P	12/18/2024	16:14	LB134001
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	12/18/2024	16:14	LB134001
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	12/18/2024	16:14	LB134001
	Calcium	2000	+/-2000	U	500	2000	P	12/18/2024	16:14	LB134001
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	12/18/2024	16:14	LB134001
	Cobalt	30.0	+/-30.0	U	7.50	30.0	P	12/18/2024	16:14	LB134001
	Copper	20.0	+/-20.0	U	16.0	20.0	P	12/18/2024	16:14	LB134001
	Iron	100	+/-100	U	80.0	100	P	12/18/2024	16:14	LB134001
	Lead	12.0	+/-12.0	U	9.60	12.0	P	12/18/2024	16:14	LB134001
	Magnesium	2000	+/-2000	U	500	2000	P	12/18/2024	16:14	LB134001
	Manganese	20.0	+/-20.0	U	5.00	20.0	P	12/18/2024	16:14	LB134001
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	12/18/2024	16:14	LB134001
	Potassium	2000	+/-2000	U	1600	2000	P	12/18/2024	16:14	LB134001
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	12/18/2024	16:14	LB134001

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: <u>Nobis Group</u>		SDG No.: <u>P5306</u>								
Contract: <u>NOBI03</u>	Lab Code: <u>CHEM</u>	Case No.: <u>P5306</u>	SAS No.: <u>P5306</u>							
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	10.0	+/-10.0	U	5.00	10.0	P	12/18/2024	16:14	LB134001
	Sodium	2000	+/-2000	U	1000	2000	P	12/18/2024	16:14	LB134001
	Thallium	40.0	+/-40.0	U	20.0	40.0	P	12/18/2024	16:14	LB134001
	Vanadium	40.0	+/-40.0	U	20.0	40.0	P	12/18/2024	16:14	LB134001
	Zinc	40.0	+/-40.0	U	10.0	40.0	P	12/18/2024	16:14	LB134001
CCB03	Aluminum	100	+/-100	U	80.0	100	P	12/18/2024	17:05	LB134001
	Antimony	50.0	+/-50.0	U	12.5	50.0	P	12/18/2024	17:05	LB134001
	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	12/18/2024	17:05	LB134001
	Barium	100	+/-100	U	25.0	100	P	12/18/2024	17:05	LB134001
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	12/18/2024	17:05	LB134001
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	12/18/2024	17:05	LB134001
	Calcium	2000	+/-2000	U	500	2000	P	12/18/2024	17:05	LB134001
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	12/18/2024	17:05	LB134001
	Cobalt	30.0	+/-30.0	U	7.50	30.0	P	12/18/2024	17:05	LB134001
	Copper	20.0	+/-20.0	U	16.0	20.0	P	12/18/2024	17:05	LB134001
	Iron	100	+/-100	U	80.0	100	P	12/18/2024	17:05	LB134001
	Lead	12.0	+/-12.0	U	9.60	12.0	P	12/18/2024	17:05	LB134001
	Magnesium	2000	+/-2000	U	500	2000	P	12/18/2024	17:05	LB134001
	Manganese	20.0	+/-20.0	U	5.00	20.0	P	12/18/2024	17:05	LB134001
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	12/18/2024	17:05	LB134001
	Potassium	2000	+/-2000	U	1600	2000	P	12/18/2024	17:05	LB134001
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	12/18/2024	17:05	LB134001
	Silver	10.0	+/-10.0	U	5.00	10.0	P	12/18/2024	17:05	LB134001
	Sodium	2000	+/-2000	U	1000	2000	P	12/18/2024	17:05	LB134001
	Thallium	40.0	+/-40.0	U	20.0	40.0	P	12/18/2024	17:05	LB134001
	Vanadium	40.0	+/-40.0	U	20.0	40.0	P	12/18/2024	17:05	LB134001
	Zinc	40.0	+/-40.0	U	10.0	40.0	P	12/18/2024	17:05	LB134001
CCB04	Aluminum	100	+/-100	U	80.0	100	P	12/18/2024	17:47	LB134001
	Antimony	50.0	+/-50.0	U	12.5	50.0	P	12/18/2024	17:47	LB134001
	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	12/18/2024	17:47	LB134001
	Barium	100	+/-100	U	25.0	100	P	12/18/2024	17:47	LB134001
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	12/18/2024	17:47	LB134001
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	12/18/2024	17:47	LB134001
	Calcium	2000	+/-2000	U	500	2000	P	12/18/2024	17:47	LB134001
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	12/18/2024	17:47	LB134001
	Cobalt	30.0	+/-30.0	U	7.50	30.0	P	12/18/2024	17:47	LB134001
	Copper	20.0	+/-20.0	U	16.0	20.0	P	12/18/2024	17:47	LB134001
	Iron	100	+/-100	U	80.0	100	P	12/18/2024	17:47	LB134001
	Lead	12.0	+/-12.0	U	9.60	12.0	P	12/18/2024	17:47	LB134001

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: <u>Nobis Group</u>		SDG No.: <u>P5306</u>								
Contract: <u>NOBI03</u>	Lab Code: <u>CHEM</u>	Case No.: <u>P5306</u>	SAS No.: <u>P5306</u>							
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	2000	+/-2000	U	500	2000	P	12/18/2024	17:47	LB134001
	Manganese	20.0	+/-20.0	U	5.00	20.0	P	12/18/2024	17:47	LB134001
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	12/18/2024	17:47	LB134001
	Potassium	2000	+/-2000	U	1600	2000	P	12/18/2024	17:47	LB134001
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	12/18/2024	17:47	LB134001
	Silver	10.0	+/-10.0	U	5.00	10.0	P	12/18/2024	17:47	LB134001
	Sodium	2000	+/-2000	U	1000	2000	P	12/18/2024	17:47	LB134001
	Thallium	40.0	+/-40.0	U	20.0	40.0	P	12/18/2024	17:47	LB134001
	Vanadium	40.0	+/-40.0	U	20.0	40.0	P	12/18/2024	17:47	LB134001
	Zinc	40.0	+/-40.0	U	10.0	40.0	P	12/18/2024	17:47	LB134001
CCB05	Aluminum	100	+/-100	U	80.0	100	P	12/18/2024	18:37	LB134001
	Antimony	50.0	+/-50.0	U	12.5	50.0	P	12/18/2024	18:37	LB134001
	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	12/18/2024	18:37	LB134001
	Barium	100	+/-100	U	25.0	100	P	12/18/2024	18:37	LB134001
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	12/18/2024	18:37	LB134001
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	12/18/2024	18:37	LB134001
	Calcium	2000	+/-2000	U	500	2000	P	12/18/2024	18:37	LB134001
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	12/18/2024	18:37	LB134001
	Cobalt	30.0	+/-30.0	U	7.50	30.0	P	12/18/2024	18:37	LB134001
	Copper	20.0	+/-20.0	U	16.0	20.0	P	12/18/2024	18:37	LB134001
	Iron	100	+/-100	U	80.0	100	P	12/18/2024	18:37	LB134001
	Lead	12.0	+/-12.0	U	9.60	12.0	P	12/18/2024	18:37	LB134001
	Magnesium	2000	+/-2000	U	500	2000	P	12/18/2024	18:37	LB134001
	Manganese	20.0	+/-20.0	U	5.00	20.0	P	12/18/2024	18:37	LB134001
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	12/18/2024	18:37	LB134001
	Potassium	2000	+/-2000	U	1600	2000	P	12/18/2024	18:37	LB134001
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	12/18/2024	18:37	LB134001
	Silver	10.0	+/-10.0	U	5.00	10.0	P	12/18/2024	18:37	LB134001
	Sodium	2000	+/-2000	U	1000	2000	P	12/18/2024	18:37	LB134001
	Thallium	40.0	+/-40.0	U	20.0	40.0	P	12/18/2024	18:37	LB134001
	Vanadium	40.0	+/-40.0	U	20.0	40.0	P	12/18/2024	18:37	LB134001
	Zinc	40.0	+/-40.0	U	10.0	40.0	P	12/18/2024	18:37	LB134001

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Nobis Group **SDG No.:** P5306
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** P5306 **SAS No.:** P5306

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	100	+/-100	U	80.0	100	P	12/23/2024	11:44	LB134066
	Antimony	50.0	+/-50.0	U	12.5	50.0	P	12/23/2024	11:44	LB134066
	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	12/23/2024	11:44	LB134066
	Barium	100	+/-100	U	25.0	100	P	12/23/2024	11:44	LB134066
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	12/23/2024	11:44	LB134066
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	12/23/2024	11:44	LB134066
	Calcium	2000	+/-2000	U	500	2000	P	12/23/2024	11:44	LB134066
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	12/23/2024	11:44	LB134066
	Cobalt	30.0	+/-30.0	U	7.50	30.0	P	12/23/2024	11:44	LB134066
	Copper	20.0	+/-20.0	U	16.0	20.0	P	12/23/2024	11:44	LB134066
	Iron	100	+/-100	U	80.0	100	P	12/23/2024	11:44	LB134066
	Lead	12.0	+/-12.0	U	9.60	12.0	P	12/23/2024	11:44	LB134066
	Magnesium	2000	+/-2000	U	500	2000	P	12/23/2024	11:44	LB134066
	Manganese	20.0	+/-20.0	U	5.00	20.0	P	12/23/2024	11:44	LB134066
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	12/23/2024	11:44	LB134066
	Potassium	2000	+/-2000	U	1600	2000	P	12/23/2024	11:44	LB134066
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	12/23/2024	11:44	LB134066
	Silver	10.0	+/-10.0	U	5.00	10.0	P	12/23/2024	11:44	LB134066
	Sodium	2000	+/-2000	U	1000	2000	P	12/23/2024	11:44	LB134066
	Thallium	40.0	+/-40.0	U	20.0	40.0	P	12/23/2024	11:44	LB134066
	Vanadium	40.0	+/-40.0	U	20.0	40.0	P	12/23/2024	11:44	LB134066
	Zinc	40.0	+/-40.0	U	10.0	40.0	P	12/23/2024	11:44	LB134066

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Nobis Group		SDG No.: P5306								
Contract:	NOBI03	Lab Code:	CHEM	Case No.:	P5306	SAS No.:	P5306			
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	100	+/-100	U	80.0	100	P	12/23/2024	12:35	LB134066
	Antimony	50.0	+/-50.0	U	12.5	50.0	P	12/23/2024	12:35	LB134066
	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	12/23/2024	12:35	LB134066
	Barium	100	+/-100	U	25.0	100	P	12/23/2024	12:35	LB134066
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	12/23/2024	12:35	LB134066
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	12/23/2024	12:35	LB134066
	Calcium	2000	+/-2000	U	500	2000	P	12/23/2024	12:35	LB134066
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	12/23/2024	12:35	LB134066
	Cobalt	30.0	+/-30.0	U	7.50	30.0	P	12/23/2024	12:35	LB134066
	Copper	20.0	+/-20.0	U	16.0	20.0	P	12/23/2024	12:35	LB134066
	Iron	100	+/-100	U	80.0	100	P	12/23/2024	12:35	LB134066
	Lead	12.0	+/-12.0	U	9.60	12.0	P	12/23/2024	12:35	LB134066
	Magnesium	2000	+/-2000	U	500	2000	P	12/23/2024	12:35	LB134066
	Manganese	20.0	+/-20.0	U	5.00	20.0	P	12/23/2024	12:35	LB134066
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	12/23/2024	12:35	LB134066
	Potassium	2000	+/-2000	U	1600	2000	P	12/23/2024	12:35	LB134066
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	12/23/2024	12:35	LB134066
	Silver	10.0	+/-10.0	U	5.00	10.0	P	12/23/2024	12:35	LB134066
	Sodium	2000	+/-2000	U	1000	2000	P	12/23/2024	12:35	LB134066
	Thallium	40.0	+/-40.0	U	20.0	40.0	P	12/23/2024	12:35	LB134066
	Vanadium	40.0	+/-40.0	U	20.0	40.0	P	12/23/2024	12:35	LB134066
	Zinc	40.0	+/-40.0	U	10.0	40.0	P	12/23/2024	12:35	LB134066
CCB02	Aluminum	100	+/-100	U	80.0	100	P	12/23/2024	13:47	LB134066
	Antimony	50.0	+/-50.0	U	12.5	50.0	P	12/23/2024	13:47	LB134066
	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	12/23/2024	13:47	LB134066
	Barium	100	+/-100	U	25.0	100	P	12/23/2024	13:47	LB134066
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	12/23/2024	13:47	LB134066
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	12/23/2024	13:47	LB134066
	Calcium	2000	+/-2000	U	500	2000	P	12/23/2024	13:47	LB134066
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	12/23/2024	13:47	LB134066
	Cobalt	30.0	+/-30.0	U	7.50	30.0	P	12/23/2024	13:47	LB134066
	Copper	20.0	+/-20.0	U	16.0	20.0	P	12/23/2024	13:47	LB134066
	Iron	100	+/-100	U	80.0	100	P	12/23/2024	13:47	LB134066
	Lead	12.0	+/-12.0	U	9.60	12.0	P	12/23/2024	13:47	LB134066
	Magnesium	2000	+/-2000	U	500	2000	P	12/23/2024	13:47	LB134066
	Manganese	20.0	+/-20.0	U	5.00	20.0	P	12/23/2024	13:47	LB134066
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	12/23/2024	13:47	LB134066
	Potassium	2000	+/-2000	U	1600	2000	P	12/23/2024	13:47	LB134066
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	12/23/2024	13:47	LB134066

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Nobis Group		SDG No.: P5306								
Contract:	NOBI03	Lab Code:	CHEM	Case No.:	P5306	SAS No.: P5306				
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	10.0	+/-10.0	U	5.00	10.0	P	12/23/2024	13:47	LB134066
	Sodium	2000	+/-2000	U	1000	2000	P	12/23/2024	13:47	LB134066
	Thallium	40.0	+/-40.0	U	20.0	40.0	P	12/23/2024	13:47	LB134066
	Vanadium	40.0	+/-40.0	U	20.0	40.0	P	12/23/2024	13:47	LB134066
	Zinc	40.0	+/-40.0	U	10.0	40.0	P	12/23/2024	13:47	LB134066
CCB03	Aluminum	100	+/-100	U	80.0	100	P	12/23/2024	14:11	LB134066
	Antimony	50.0	+/-50.0	U	12.5	50.0	P	12/23/2024	14:11	LB134066
	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	12/23/2024	14:11	LB134066
	Barium	100	+/-100	U	25.0	100	P	12/23/2024	14:11	LB134066
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	12/23/2024	14:11	LB134066
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	12/23/2024	14:11	LB134066
	Calcium	2000	+/-2000	U	500	2000	P	12/23/2024	14:11	LB134066
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	12/23/2024	14:11	LB134066
	Cobalt	30.0	+/-30.0	U	7.50	30.0	P	12/23/2024	14:11	LB134066
	Copper	20.0	+/-20.0	U	16.0	20.0	P	12/23/2024	14:11	LB134066
	Iron	100	+/-100	U	80.0	100	P	12/23/2024	14:11	LB134066
	Lead	12.0	+/-12.0	U	9.60	12.0	P	12/23/2024	14:11	LB134066
	Magnesium	2000	+/-2000	U	500	2000	P	12/23/2024	14:11	LB134066
	Manganese	20.0	+/-20.0	U	5.00	20.0	P	12/23/2024	14:11	LB134066
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	12/23/2024	14:11	LB134066
	Potassium	2000	+/-2000	U	1600	2000	P	12/23/2024	14:11	LB134066
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	12/23/2024	14:11	LB134066
	Silver	10.0	+/-10.0	U	5.00	10.0	P	12/23/2024	14:11	LB134066
	Sodium	2000	+/-2000	U	1000	2000	P	12/23/2024	14:11	LB134066
	Thallium	40.0	+/-40.0	U	20.0	40.0	P	12/23/2024	14:11	LB134066
	Vanadium	40.0	+/-40.0	U	20.0	40.0	P	12/23/2024	14:11	LB134066
	Zinc	40.0	+/-40.0	U	10.0	40.0	P	12/23/2024	14:11	LB134066
CCB04	Aluminum	100	+/-100	U	80.0	100	P	12/23/2024	15:10	LB134066
	Antimony	50.0	+/-50.0	U	12.5	50.0	P	12/23/2024	15:10	LB134066
	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	12/23/2024	15:10	LB134066
	Barium	100	+/-100	U	25.0	100	P	12/23/2024	15:10	LB134066
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	12/23/2024	15:10	LB134066
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	12/23/2024	15:10	LB134066
	Calcium	2000	+/-2000	U	500	2000	P	12/23/2024	15:10	LB134066
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	12/23/2024	15:10	LB134066
	Cobalt	30.0	+/-30.0	U	7.50	30.0	P	12/23/2024	15:10	LB134066
	Copper	20.0	+/-20.0	U	16.0	20.0	P	12/23/2024	15:10	LB134066
	Iron	100	+/-100	U	80.0	100	P	12/23/2024	15:10	LB134066
	Lead	12.0	+/-12.0	U	9.60	12.0	P	12/23/2024	15:10	LB134066

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Nobis Group		SDG No.: P5306								
Contract:	NOBI03	Lab Code:	CHEM	Case No.:	P5306	SAS No.:	P5306			
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	2000	+/-2000	U	500	2000	P	12/23/2024	15:10	LB134066
	Manganese	20.0	+/-20.0	U	5.00	20.0	P	12/23/2024	15:10	LB134066
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	12/23/2024	15:10	LB134066
	Potassium	2000	+/-2000	U	1600	2000	P	12/23/2024	15:10	LB134066
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	12/23/2024	15:10	LB134066
	Silver	10.0	+/-10.0	U	5.00	10.0	P	12/23/2024	15:10	LB134066
	Sodium	2000	+/-2000	U	1000	2000	P	12/23/2024	15:10	LB134066
	Thallium	40.0	+/-40.0	U	20.0	40.0	P	12/23/2024	15:10	LB134066
	Vanadium	40.0	+/-40.0	U	20.0	40.0	P	12/23/2024	15:10	LB134066
	Zinc	40.0	+/-40.0	U	10.0	40.0	P	12/23/2024	15:10	LB134066
CCB05	Aluminum	100	+/-100	U	80.0	100	P	12/23/2024	16:10	LB134066
	Antimony	50.0	+/-50.0	U	12.5	50.0	P	12/23/2024	16:10	LB134066
	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	12/23/2024	16:10	LB134066
	Barium	100	+/-100	U	25.0	100	P	12/23/2024	16:10	LB134066
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	12/23/2024	16:10	LB134066
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	12/23/2024	16:10	LB134066
	Calcium	2000	+/-2000	U	500	2000	P	12/23/2024	16:10	LB134066
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	12/23/2024	16:10	LB134066
	Cobalt	30.0	+/-30.0	U	7.50	30.0	P	12/23/2024	16:10	LB134066
	Copper	20.0	+/-20.0	U	16.0	20.0	P	12/23/2024	16:10	LB134066
	Iron	100	+/-100	U	80.0	100	P	12/23/2024	16:10	LB134066
	Lead	12.0	+/-12.0	U	9.60	12.0	P	12/23/2024	16:10	LB134066
	Magnesium	2000	+/-2000	U	500	2000	P	12/23/2024	16:10	LB134066
	Manganese	20.0	+/-20.0	U	5.00	20.0	P	12/23/2024	16:10	LB134066
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	12/23/2024	16:10	LB134066
	Potassium	2000	+/-2000	U	1600	2000	P	12/23/2024	16:10	LB134066
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	12/23/2024	16:10	LB134066
	Silver	1.18	+/-10.0	J	5.00	10.0	P	12/23/2024	16:10	LB134066
	Sodium	2000	+/-2000	U	1000	2000	P	12/23/2024	16:10	LB134066
	Thallium	40.0	+/-40.0	U	20.0	40.0	P	12/23/2024	16:10	LB134066
CCB06	Vanadium	40.0	+/-40.0	U	20.0	40.0	P	12/23/2024	16:10	LB134066
	Zinc	40.0	+/-40.0	U	10.0	40.0	P	12/23/2024	16:10	LB134066
	Aluminum	100	+/-100	U	80.0	100	P	12/23/2024	16:58	LB134066
	Antimony	50.0	+/-50.0	U	12.5	50.0	P	12/23/2024	16:58	LB134066
	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	12/23/2024	16:58	LB134066
	Barium	100	+/-100	U	25.0	100	P	12/23/2024	16:58	LB134066
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	12/23/2024	16:58	LB134066
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	12/23/2024	16:58	LB134066
	Calcium	2000	+/-2000	U	500	2000	P	12/23/2024	16:58	LB134066

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Nobis Group **SDG No.:** P5306
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** P5306 **SAS No.:** P5306

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Chromium	10.0	+/-10.0	U	5.00	10.0	P	12/23/2024	16:58	LB134066
	Cobalt	30.0	+/-30.0	U	7.50	30.0	P	12/23/2024	16:58	LB134066
	Copper	20.0	+/-20.0	U	16.0	20.0	P	12/23/2024	16:58	LB134066
	Iron	100	+/-100	U	80.0	100	P	12/23/2024	16:58	LB134066
	Lead	12.0	+/-12.0	U	9.60	12.0	P	12/23/2024	16:58	LB134066
	Magnesium	2000	+/-2000	U	500	2000	P	12/23/2024	16:58	LB134066
	Manganese	20.0	+/-20.0	U	5.00	20.0	P	12/23/2024	16:58	LB134066
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	12/23/2024	16:58	LB134066
	Potassium	2000	+/-2000	U	1600	2000	P	12/23/2024	16:58	LB134066
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	12/23/2024	16:58	LB134066
	Silver	10.0	+/-10.0	U	5.00	10.0	P	12/23/2024	16:58	LB134066
	Sodium	2000	+/-2000	U	1000	2000	P	12/23/2024	16:58	LB134066
	Thallium	40.0	+/-40.0	U	20.0	40.0	P	12/23/2024	16:58	LB134066
	Vanadium	40.0	+/-40.0	U	20.0	40.0	P	12/23/2024	16:58	LB134066
	Zinc	40.0	+/-40.0	U	10.0	40.0	P	12/23/2024	16:58	LB134066

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Nobis Group

SDG No.: P5306

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	LOD mg/Kg	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB165728BL		SOLID		Batch Number:		PB165728		Prep Date:	12/18/2024	
	Mercury	0.013	<0.013	U	0.011	0.013	CV	12/18/2024	13:52	LB133991

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Nobis Group

SDG No.: P5306

Instrument: P4

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	LOD mg/Kg	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB165698BL	SOLID			Batch Number:	PB165698			Prep Date:	12/17/2024	
	Aluminum	4.78	<4.78	U	3.83	4.78	P	12/18/2024	16:19	LB134001
	Antimony	2.39	<2.39	U	0.60	2.39	P	12/18/2024	16:19	LB134001
	Arsenic	0.96	<0.96	U	0.77	0.96	P	12/18/2024	16:19	LB134001
	Barium	4.78	<4.78	U	1.20	4.78	P	12/18/2024	16:19	LB134001
	Beryllium	0.29	<0.29	U	0.072	0.29	P	12/18/2024	16:19	LB134001
	Cadmium	0.29	<0.29	U	0.072	0.29	P	12/18/2024	16:19	LB134001
	Calcium	95.7	<95.7	U	23.9	95.7	P	12/18/2024	16:19	LB134001
	Chromium	0.48	<0.48	U	0.12	0.48	P	12/18/2024	16:19	LB134001
	Cobalt	1.44	<1.44	U	0.36	1.44	P	12/18/2024	16:19	LB134001
	Copper	0.96	<0.96	U	0.77	0.96	P	12/18/2024	16:19	LB134001
	Iron	4.78	<4.78	U	3.83	4.78	P	12/18/2024	16:19	LB134001
	Lead	0.57	<0.57	U	0.46	0.57	P	12/18/2024	16:19	LB134001
	Magnesium	95.7	<95.7	U	23.9	95.7	P	12/18/2024	16:19	LB134001
	Manganese	0.96	<0.96	U	0.24	0.96	P	12/18/2024	16:19	LB134001
	Nickel	1.91	<1.91	U	0.48	1.91	P	12/18/2024	16:19	LB134001
	Potassium	95.7	<95.7	U	76.6	95.7	P	12/18/2024	16:19	LB134001
	Selenium	0.96	<0.96	U	0.77	0.96	P	12/18/2024	16:19	LB134001
	Silver	0.48	<0.48	U	0.24	0.48	P	12/18/2024	16:19	LB134001
	Sodium	95.7	<95.7	U	76.6	95.7	P	12/18/2024	16:19	LB134001
	Thallium	1.91	<1.91	U	0.96	1.91	P	12/18/2024	16:19	LB134001
	Vanadium	1.91	<1.91	U	0.96	1.91	P	12/18/2024	16:19	LB134001
	Zinc	1.91	<1.91	U	0.48	1.91	P	12/18/2024	16:19	LB134001

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: <u>Nobis Group</u>	SDG No.: <u>P5306</u>
Contract: <u>NOBI03</u> Lab Code: <u>CHEM</u>	Case No.: <u>P5306</u> SAS No.: <u>P5306</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	244000	255000	96	216000	294000	12/18/2024	15:11	LB134001
	Antimony	-0.32			-50	50	12/18/2024	15:11	LB134001
	Arsenic	3.28			-20	20	12/18/2024	15:11	LB134001
	Barium	4.52	6.0	75	-94	106	12/18/2024	15:11	LB134001
	Beryllium	1.30			-6	6	12/18/2024	15:11	LB134001
	Cadmium	2.54	1.0	254	-5	7	12/18/2024	15:11	LB134001
	Calcium	230000	245000	94	208000	282000	12/18/2024	15:11	LB134001
	Chromium	57.1	52.0	110	42	62	12/18/2024	15:11	LB134001
	Cobalt	1.68			-30	30	12/18/2024	15:11	LB134001
	Copper	-1.58	2.0	79	-18	22	12/18/2024	15:11	LB134001
	Iron	102000	101000	101	85600	116500	12/18/2024	15:11	LB134001
	Lead	6.94			-12	12	12/18/2024	15:11	LB134001
	Magnesium	251000	255000	98	216000	294000	12/18/2024	15:11	LB134001
	Manganese	5.50	7.0	79	-13	27	12/18/2024	15:11	LB134001
	Nickel	2.14	2.0	107	-38	42	12/18/2024	15:11	LB134001
	Potassium	99.8			0	0	12/18/2024	15:11	LB134001
	Selenium	-11.7			-20	20	12/18/2024	15:11	LB134001
	Silver	-6.57			-10	10	12/18/2024	15:11	LB134001
	Sodium	70.2			0	0	12/18/2024	15:11	LB134001
	Thallium	9.72			-40	40	12/18/2024	15:11	LB134001
	Vanadium	6.43			-40	40	12/18/2024	15:11	LB134001
	Zinc	5.21			-40	40	12/18/2024	15:11	LB134001
ICSAB01	Aluminum	241000	247000	98	209000	285000	12/18/2024	15:23	LB134001
	Antimony	596	618	96	525	711	12/18/2024	15:23	LB134001
	Arsenic	106	104	102	88.4	120	12/18/2024	15:23	LB134001
	Barium	489	537	91	437	637	12/18/2024	15:23	LB134001
	Beryllium	480	495	97	420	570	12/18/2024	15:23	LB134001
	Cadmium	975	972	100	826	1120	12/18/2024	15:23	LB134001
	Calcium	228000	235000	97	199000	271000	12/18/2024	15:23	LB134001
	Chromium	560	542	103	460	624	12/18/2024	15:23	LB134001
	Cobalt	492	476	103	404	548	12/18/2024	15:23	LB134001
	Copper	466	511	91	434	588	12/18/2024	15:23	LB134001
	Iron	98600	99300	99	84400	114500	12/18/2024	15:23	LB134001
	Lead	52.3	49.0	107	37	61	12/18/2024	15:23	LB134001
	Magnesium	249000	248000	100	210000	286000	12/18/2024	15:23	LB134001
	Manganese	480	507	95	430	584	12/18/2024	15:23	LB134001
	Nickel	966	954	101	810	1100	12/18/2024	15:23	LB134001
	Potassium	66.4			0	0	12/18/2024	15:23	LB134001
	Selenium	31.2	46.0	68	26	66	12/18/2024	15:23	LB134001
	Silver	188	201	94	170	232	12/18/2024	15:23	LB134001
	Sodium	66.1			0	0	12/18/2024	15:23	LB134001
	Thallium	94.3	108	87	68	148	12/18/2024	15:23	LB134001

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: Nobis Group **SDG No.:** P5306
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** P5306 **SAS No.:** P5306
ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB01	Vanadium	474	491	96	417	565	12/18/2024	15:23	LB134001
	Zinc	1050	952	110	809	1095	12/18/2024	15:23	LB134001
ICSA01	Aluminum	244000	255000	96	216000	294000	12/23/2024	11:55	LB134066
	Antimony	-1.86			-50	50	12/23/2024	11:55	LB134066
	Arsenic	-0.83			-20	20	12/23/2024	11:55	LB134066
	Barium	2.71	6.0	45	-94	106	12/23/2024	11:55	LB134066
	Beryllium	1.22			-6	6	12/23/2024	11:55	LB134066
	Cadmium	5.83	1.0	583	-5	7	12/23/2024	11:55	LB134066
	Calcium	227000	245000	93	208000	282000	12/23/2024	11:55	LB134066
	Chromium	58.0	52.0	112	42	62	12/23/2024	11:55	LB134066
	Cobalt	1.84			-30	30	12/23/2024	11:55	LB134066
	Copper	16.1	2.0	805	-18	22	12/23/2024	11:55	LB134066
	Iron	104000	101000	103	85600	116500	12/23/2024	11:55	LB134066
	Lead	7.19			-12	12	12/23/2024	11:55	LB134066
	Magnesium	247000	255000	97	216000	294000	12/23/2024	11:55	LB134066
	Manganese	4.79	7.0	68	-13	27	12/23/2024	11:55	LB134066
	Nickel	2.98	2.0	149	-38	42	12/23/2024	11:55	LB134066
	Potassium	30.6			0	0	12/23/2024	11:55	LB134066
	Selenium	-12.8			-20	20	12/23/2024	11:55	LB134066
	Silver	3.28			-10	10	12/23/2024	11:55	LB134066
	Sodium	19.7			0	0	12/23/2024	11:55	LB134066
	Thallium	10.1			-40	40	12/23/2024	11:55	LB134066
	Vanadium	6.09			-40	40	12/23/2024	11:55	LB134066
	Zinc	7.82			-40	40	12/23/2024	11:55	LB134066
ICSAB01	Aluminum	241000	247000	98	209000	285000	12/23/2024	12:06	LB134066
	Antimony	641	618	104	525	711	12/23/2024	12:06	LB134066
	Arsenic	116	104	112	88.4	120	12/23/2024	12:06	LB134066
	Barium	486	537	90	437	637	12/23/2024	12:06	LB134066
	Beryllium	477	495	96	420	570	12/23/2024	12:06	LB134066
	Cadmium	1040	972	107	826	1120	12/23/2024	12:06	LB134066
	Calcium	225000	235000	96	199000	271000	12/23/2024	12:06	LB134066
	Chromium	581	542	107	460	624	12/23/2024	12:06	LB134066
	Cobalt	526	476	110	404	548	12/23/2024	12:06	LB134066
	Copper	565	511	111	434	588	12/23/2024	12:06	LB134066
	Iron	102000	99300	103	84400	114500	12/23/2024	12:06	LB134066
	Lead	55.4	49.0	113	37	61	12/23/2024	12:06	LB134066
	Magnesium	244000	248000	98	210000	286000	12/23/2024	12:06	LB134066
	Manganese	478	507	94	430	584	12/23/2024	12:06	LB134066
	Nickel	1040	954	109	810	1100	12/23/2024	12:06	LB134066
	Potassium	-25.6			0	0	12/23/2024	12:06	LB134066
	Selenium	37.4	46.0	81	26	66	12/23/2024	12:06	LB134066
	Silver	203	201	101	170	232	12/23/2024	12:06	LB134066

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: <u>Nobis Group</u>	SDG No.: <u>P5306</u>
Contract: <u>NOBI03</u>	Lab Code: <u>CHEM</u>
ICS Source: <u>EPA</u>	Case No.: <u>P5306</u>
	SAS No.: <u>P5306</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	Sodium	9.80			0	0	12/23/2024	12:06	LB134066
	Thallium	112	108	104	68	148	12/23/2024	12:06	LB134066
	Vanadium	478	491	97	417	565	12/23/2024	12:06	LB134066
	Zinc	1070	952	112	809	1095	12/23/2024	12:06	LB134066



METAL QC DATA

metals
- 5a -
MATRIX SPIKE SUMMARY

client:	Nobis Group	level:	low	sdg no.:	P5306		
contract:	NOBI03	lab code:	CHEM	case no.:	P5306	sas no.:	P5306
matrix:	Solid	sample id:	P5301-03	client id:	HR-04-121624MS		
Percent Solids for Sample:	89.4	Spiked ID:	P5301-03MS	Percent Solids for Spike Sample:	89.4		

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 124	0.25		0.035		0.28	77	N	CV

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: <u>Nobis Group</u>	level: <u>low</u>	sdg no.: <u>P5306</u>
contract: <u>NOBI03</u>	lab code: <u>CHEM</u>	case no.: <u>P5306</u> sas no.: <u>P5306</u>
matrix: <u>Solid</u>	sample id: <u>P5301-03</u>	client id: <u>HR-04-121624MSD</u>
Percent Solids for Sample: 89.4	Spiked ID: P5301-03MSD	Percent Solids for Spike Sample: 89.4

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 124	0.24		0.035		0.28	74	N	CV

metals
- 5a -
MATRIX SPIKE SUMMARY

client: <u>Nobis Group</u>	level: <u>low</u>	sdg no.: <u>P5306</u>
contract: <u>NOBI03</u>	lab code: <u>CHEM</u>	case no.: <u>P5306</u> sas no.: <u>P5306</u>
matrix: <u>Solid</u>	sample id: <u>P5306-17</u>	client id: <u>OU4-VSL-06R-121224MS</u>
Percent Solids for Sample: 91.7	Spiked ID: P5306-17MS	Percent Solids for Spike Sample: 91.7

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	74 - 119	6950		6170		100	778		P
Antimony	mg/Kg	79 - 114	53.7		16.7		40.0	92		P
Arsenic	mg/Kg	82 - 111	69.3		30.7		40.0	97		P
Barium	mg/Kg	83 - 113	24.3		15.0		10.0	93		P
Beryllium	mg/Kg	83 - 113	13.6		6.20		10.0	74	N	P
Cadmium	mg/Kg	82 - 113	20.5		10.4		10.0	101		P
Calcium	mg/Kg	81 - 116	5590		5020		50.0	1131		P
Chromium	mg/Kg	85 - 113	31.7		14.8		20.0	84	N	P
Cobalt	mg/Kg	85 - 112	34.3		22.8		10.0	116	N	P
Copper	mg/Kg	81 - 117	78.6		61.2		15.0	116		P
Iron	mg/Kg	81 - 118	23100		21100		150	1325		P
Lead	mg/Kg	81 - 112	90.6		42.2		50.0	97		P
Magnesium	mg/Kg	78 - 115	4540		4040		100	491		P
Manganese	mg/Kg	84 - 114	192		168		10.0	240		P
Nickel	mg/Kg	83 - 113	55.1		29.0		25.0	105		P
Potassium	mg/Kg	81 - 116	1030		512		500	103		P
Selenium	mg/Kg	78 - 111	160		69.7		100	91		P
Silver	mg/Kg	82 - 112	7.15		3.68		3.8	91		P
Sodium	mg/Kg	83 - 118	1590		1370		150	141		P
Thallium	mg/Kg	83 - 111	182		81.5		100	101		P
Vanadium	mg/Kg	82 - 114	93.8		74.6		15.0	128		P
Zinc	mg/Kg	82 - 113	42.3		31.8		10.0	104		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client:	<u>Nobis Group</u>	level:	<u>low</u>	sdg no.:	<u>P5306</u>
contract:	<u>NOBI03</u>	lab code:	<u>CHEM</u>	case no.:	<u>P5306</u>
matrix:	<u>Solid</u>	sample id:	<u>P5306-17</u>	client id:	<u>OU4-VSL-06R-121224MSD</u>
Percent Solids for Sample:	91.7	Spiked ID:	P5306-17MSD	Percent Solids for Spike Sample:	91.7

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	74 - 119	7330		6170		100	1156		P
Antimony	mg/Kg	79 - 114	53.2		16.7		40.6	90		P
Arsenic	mg/Kg	82 - 111	69.6		30.7		40.6	96		P
Barium	mg/Kg	83 - 113	25.0		15.0		10.1	98		P
Beryllium	mg/Kg	83 - 113	14.1		6.20		10.1	78	N	P
Cadmium	mg/Kg	82 - 113	21.1		10.4		10.1	106		P
Calcium	mg/Kg	81 - 116	5840		5020		50.7	1616		P
Chromium	mg/Kg	85 - 113	32.4		14.8		20.3	86		P
Cobalt	mg/Kg	85 - 112	35.3		22.8		10.1	124	N	P
Copper	mg/Kg	81 - 117	80.7		61.2		15.2	128		P
Iron	mg/Kg	81 - 118	23500		21100		150	1554		P
Lead	mg/Kg	81 - 112	93.0		42.2		50.7	100		P
Magnesium	mg/Kg	78 - 115	4700		4040		100	655		P
Manganese	mg/Kg	84 - 114	198		168		10.1	296		P
Nickel	mg/Kg	83 - 113	56.5		29.0		25.4	108		P
Potassium	mg/Kg	81 - 116	1030		512		510	101		P
Selenium	mg/Kg	78 - 111	161		69.7		100	92		P
Silver	mg/Kg	82 - 112	7.22		3.68		3.8	93		P
Sodium	mg/Kg	83 - 118	1600		1370		150	151		P
Thallium	mg/Kg	83 - 111	185		81.5		100	104		P
Vanadium	mg/Kg	82 - 114	97.1		74.6		15.2	148		P
Zinc	mg/Kg	82 - 113	43.0		31.8		10.1	111		P

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: Nobis Group **SDG No.:** P5306
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** P5306 **SAS No.:** P5306
Matrix: Solid **Level:** LOW **Client ID:** HR-04-121624A
Sample ID: P5301-03 **Spiked ID:** P5301-03A

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		0.30	85		CV

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: Nobis Group **SDG No.:** P5306
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** P5306 **SAS No.:** P5306
Matrix: Solid **Level:** LOW **Client ID:** OU4-VSL-06R-121224A
Sample ID: P5306-17 **Spiked ID:** P5306-17A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Beryllium	mg/Kg	83 - 113	12.5		6.20		9.00	70		P
Chromium	mg/Kg	85 - 113	28.9		14.8		18.1	78		P
Cobalt	mg/Kg	85 - 112	31.8		22.8		9.00	101		P

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	<u>Nobis Group</u>	Level:	<u>LOW</u>	SDG No.:	<u>P5306</u>
Contract:	<u>NOBI03</u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>P5306</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>P5301-03</u>	Client ID:	<u>HR-04-121624DUP</u>
Percent Solids for Sample:	89.4	Duplicate ID	P5301-03DUP	Percent Solids for Spike Sample:	89.4

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.035		0.031		12		CV

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	<u>Nobis Group</u>	Level:	<u>LOW</u>	SDG No.:	<u>P5306</u>
Contract:	<u>NOBI03</u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>P5306</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>P5301-03MS</u>	Client ID:	<u>HR-04-121624MSD</u>
Percent Solids for Sample:	89.4	Duplicate ID	P5301-03MSD	Percent Solids for Spike Sample:	89.4

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.25		0.24		3		CV

Metals

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DUPLICATE SAMPLE SUMMARY

Client: Nobis Group **Level:** LOW **SDG No.:** P5306
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** P5306 **SAS No.:** P5306
Matrix: Solid **Sample ID:** P5306-17 **Client ID:** OU4-VSL-06R-121224DUP
Percent Solids for Sample: 91.7 **Duplicate ID** P5306-17DUP **Percent Solids for Spike Sample:** 91.7

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	6170		6870		11		P
Antimony	mg/Kg	20	16.7		18.2		9		P
Arsenic	mg/Kg	20	30.7		33.6		9		P
Barium	mg/Kg	20	15.0		16.6		10		P
Beryllium	mg/Kg	20	6.20		6.84		10		P
Cadmium	mg/Kg	20	10.4		11.4		9		P
Calcium	mg/Kg	20	5020		5570		10		P
Chromium	mg/Kg	20	14.8		16.5		11		P
Cobalt	mg/Kg	20	22.8		25.0		9		P
Copper	mg/Kg	20	61.2		66.9		9		P
Iron	mg/Kg	20	21100		23400		10		P
Lead	mg/Kg	20	42.2		46.2		9		P
Magnesium	mg/Kg	20	4040		4470		10		P
Manganese	mg/Kg	20	168		186		10		P
Nickel	mg/Kg	20	29.0		31.8		9		P
Potassium	mg/Kg	20	512		566		10		P
Selenium	mg/Kg	20	69.7		75.4		8		P
Silver	mg/Kg	20	3.68		4.06		10		P
Sodium	mg/Kg	20	1370		1510		10		P
Thallium	mg/Kg	20	81.5		88.6		8		P
Vanadium	mg/Kg	20	74.6		82.9		11		P
Zinc	mg/Kg	20	31.8		35.5		11		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client: Nobis Group **Level:** LOW **SDG No.:** P5306
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** P5306 **SAS No.:** P5306
Matrix: Solid **Sample ID:** P5306-17MS **Client ID:** OU4-VSL-06R-121224MSD
Percent Solids for Sample: 91.7 **Duplicate ID** P5306-17MSD **Percent Solids for Spike Sample:** 91.7

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	6950		7330		5		P
Antimony	mg/Kg	20	53.7		53.2		1		P
Arsenic	mg/Kg	20	69.3		69.6		0		P
Barium	mg/Kg	20	24.3		25.0		3		P
Beryllium	mg/Kg	20	13.6		14.1		4		P
Cadmium	mg/Kg	20	20.5		21.1		3		P
Calcium	mg/Kg	20	5590		5840		4		P
Chromium	mg/Kg	20	31.7		32.4		2		P
Cobalt	mg/Kg	20	34.3		35.3		3		P
Copper	mg/Kg	20	78.6		80.7		3		P
Iron	mg/Kg	20	23100		23500		2		P
Lead	mg/Kg	20	90.6		93.0		3		P
Magnesium	mg/Kg	20	4540		4700		3		P
Manganese	mg/Kg	20	192		198		3		P
Nickel	mg/Kg	20	55.1		56.5		3		P
Potassium	mg/Kg	20	1030		1030		0		P
Selenium	mg/Kg	20	160		161		1		P
Silver	mg/Kg	20	7.15		7.22		1		P
Sodium	mg/Kg	20	1590		1600		1		P
Thallium	mg/Kg	20	182		185		2		P
Vanadium	mg/Kg	20	93.8		97.1		3		P
Zinc	mg/Kg	20	42.3		43.0		2		P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Nobis Group **SDG No.:** P5306
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** P5306 **SAS No.:** P5306

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB165698BS							
Aluminum	mg/Kg	95.7	91.4		96	74 - 119	P
Antimony	mg/Kg	38.3	36.8		96	79 - 114	P
Arsenic	mg/Kg	38.3	37.6		98	82 - 111	P
Barium	mg/Kg	9.6	9.05		94	83 - 113	P
Beryllium	mg/Kg	9.6	9.25		96	83 - 113	P
Cadmium	mg/Kg	9.6	9.05		94	82 - 113	P
Calcium	mg/Kg	47.8	47.6	J	100	81 - 116	P
Chromium	mg/Kg	19.1	19.4		102	85 - 113	P
Cobalt	mg/Kg	9.6	9.19		96	85 - 112	P
Copper	mg/Kg	14.4	14.7		102	81 - 117	P
Iron	mg/Kg	140	144		103	81 - 118	P
Lead	mg/Kg	47.8	45.7		96	81 - 112	P
Magnesium	mg/Kg	95.7	90.9	J	95	78 - 115	P
Manganese	mg/Kg	9.6	9.56		100	84 - 114	P
Nickel	mg/Kg	23.9	23.1		97	83 - 113	P
Potassium	mg/Kg	480	464		97	81 - 116	P
Selenium	mg/Kg	95.7	92.5		97	78 - 111	P
Silver	mg/Kg	3.6	3.68		102	82 - 112	P
Sodium	mg/Kg	140	146		104	83 - 118	P
Thallium	mg/Kg	95.7	93.9		98	83 - 111	P
Vanadium	mg/Kg	14.4	13.8		96	82 - 114	P
Zinc	mg/Kg	9.6	9.90		103	82 - 113	P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Nobis Group **SDG No.:** P5306
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** P5306 **SAS No.:** P5306

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB165728BS Mercury	mg/Kg	0.26	0.22		86	80 - 124	CV

Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

HR-04-121624L

Lab Name: Chemtech Consulting Group

Contract: NOBI03

Lab Code: CHEM

Lb No.: lb133991

Lab Sample ID : P5301-03L

SDG No.: P5306

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	0.075 U	100.0		CV

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

OU4-VSL-06R-121224L

Lab Name: Chemtech Consulting Group

Contract: NOBI03

Lab Code: CHEM **Lb No.:** lb134066 **Lab Sample ID :** P5306-17L **SDG No.:** P5306

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

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Differ-ence	Q	M
		C		C			
Aluminum	6170		7030		14		P
Antimony	16.7		18.7		11		P
Arsenic	30.7		34.5		12		P
Barium	15.0		15.8	J	5		P
Beryllium	6.20		7.43		20		P
Cadmium	10.4		9.63		7		P
Calcium	5020		5940		18		P
Chromium	14.8		18.0		22		P
Cobalt	22.8		22.7		0		P
Copper	61.2		75.2		23		P
Iron	21100		25500		21		P
Lead	42.2		43.7		4		P
Magnesium	4040		4670		16		P
Manganese	168		201		19		P
Nickel	29.0		29.3		1		P
Potassium	512		582		14		P
Selenium	69.7		81.5		17		P
Silver	3.68		4.48		22		P
Sodium	1370		1410		3		P
Thallium	81.5		87.8		8		P
Vanadium	74.6		87.7		18		P
Zinc	31.8		37.1		17		P



METAL PREPARATION & INSTRUMENT DATA

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Nobis Group **SDG No.:** P5306
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** P5306 **SAS No.:** P5306
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.: P5306

Contract: NOBI03

Lab Code: CHEM

Case No.: P5306

SAS No.: P5306

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.: P5306

Contract: NOBI03

Lab Code: CHEM

Case No.: P5306

SAS No.: P5306

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.: P5306

Contract: NOBI03

Lab Code: CHEM

Case No.: P5306

SAS No.: P5306

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 INTERELEMEN CORRECTION FACTORS

Client: Nobis Group

SDG No.: P5306

Contract: NOBI03

Lab Code: CHEM

Case No.: P5306

SAS No.: P5306

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

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SAMPLE PREPARATION SUMMARY

Client:	<u>Nobis Group</u>	SDG No.:	<u>P5306</u>
Contract:	<u>NOBI03</u>	Lab Code:	<u>CHEM</u>
		Method:	<u></u>
		Case No.:	<u>P5306</u>
		SAS No.:	<u>P5306</u>

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB165698							
P5306-01	OU4-VSL-07-121224	SAM	SOLID	12/17/2024	2.20	100.0	90.80
P5306-03	OU4-VSL-08-121224	SAM	SOLID	12/17/2024	2.06	100.0	90.80
P5306-05	OU4-VSL-09-121224	SAM	SOLID	12/17/2024	2.35	100.0	90.10
P5306-07	OU4-VSL-10-121224	SAM	SOLID	12/17/2024	2.21	100.0	95.00
P5306-09	OU4-VSL-11-121224	SAM	SOLID	12/17/2024	2.09	100.0	93.60
P5306-11	OU4-VSL-12-121224	SAM	SOLID	12/17/2024	2.44	100.0	90.80
P5306-13	OU4-VSL-13-121224	SAM	SOLID	12/17/2024	2.37	100.0	90.00
P5306-15	OU4-VSL-14-121224	SAM	SOLID	12/17/2024	2.06	100.0	95.90
P5306-17	OU4-VSL-06R-121224	SAM	SOLID	12/17/2024	2.41	100.0	91.70
P5306-17DUP	OU4-VSL-06R-121224DUP	DUP	SOLID	12/17/2024	2.17	100.0	91.70
P5306-17MS	OU4-VSL-06R-121224MS	MS	SOLID	12/17/2024	2.18	100.0	91.70
P5306-17MSD	OU4-VSL-06R-121224MSD	MSD	SOLID	12/17/2024	2.15	100.0	91.70
PB165698BL	PB165698BL	MB	SOLID	12/17/2024	2.09	100.0	100.00
PB165698BS	PB165698BS	LCS	SOLID	12/17/2024	2.09	100.0	100.00

Metals

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SAMPLE PREPARATION SUMMARY

Client:	<u>Nobis Group</u>	SDG No.:	<u>P5306</u>
Contract:	<u>NOBI03</u>	Lab Code:	<u>CHEM</u>
		Method:	<u></u>
		Case No.:	<u>P5306</u>
		SAS No.:	<u>P5306</u>

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB165728							
P5301-03DUP	HR-04-121624DUP	DUP	SOLID	12/18/2024	0.51	35.0	89.40
P5301-03MS	HR-04-121624MS	MS	SOLID	12/18/2024	0.55	35.0	89.40
P5301-03MSD	HR-04-121624MSD	MSD	SOLID	12/18/2024	0.56	35.0	89.40
P5306-01	OU4-VSL-07-121224	SAM	SOLID	12/18/2024	0.59	35.0	90.80
P5306-03	OU4-VSL-08-121224	SAM	SOLID	12/18/2024	0.52	35.0	90.80
P5306-05	OU4-VSL-09-121224	SAM	SOLID	12/18/2024	0.57	35.0	90.10
P5306-07	OU4-VSL-10-121224	SAM	SOLID	12/18/2024	0.52	35.0	95.00
P5306-09	OU4-VSL-11-121224	SAM	SOLID	12/18/2024	0.55	35.0	93.60
P5306-11	OU4-VSL-12-121224	SAM	SOLID	12/18/2024	0.57	35.0	90.80
P5306-13	OU4-VSL-13-121224	SAM	SOLID	12/18/2024	0.58	35.0	90.00
P5306-15	OU4-VSL-14-121224	SAM	SOLID	12/18/2024	0.59	35.0	95.90
PB165728BL	PB165728BL	MB	SOLID	12/18/2024	0.52	35.0	100.00
PB165728BS	PB165728BS	LCS	SOLID	12/18/2024	0.54	35.0	100.00

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ANALYSIS RUN LOG

Client: Nobis Group **Contract:** NOBI03

Lab code: CHEM **Case no.:** P5306 **Sas no.:** P5306 **Sdg no.:** P5306

Instrument id number: **Method:** **Run number:** LB133991

Start date: 12/18/2024 **End date:** 12/18/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1319	HG
S0.2	S0.2	1	1322	HG
S2.5	S2.5	1	1324	HG
S5	S5	1	1326	HG
S7.5	S7.5	1	1328	HG
S10	S10	1	1331	HG
ICV24	ICV24	1	1336	HG
ICB24	ICB24	1	1339	HG
CCV42	CCV42	1	1341	HG
CCB42	CCB42	1	1343	HG
CRA	CRA	1	1345	HG
PB165728BL	PB165728BL	1	1352	HG
PB165728BS	PB165728BS	1	1355	HG
CCV43	CCV43	1	1408	HG
CCB43	CCB43	1	1411	HG
P5301-03DUP	HR-04-121624DUP	1	1425	HG
P5301-03MS	HR-04-121624MS	1	1427	HG
P5301-03MSD	HR-04-121624MSD	1	1429	HG
P5306-01	OU4-VSL-07-121224	1	1432	HG
P5306-03	OU4-VSL-08-121224	1	1434	HG
P5306-05	OU4-VSL-09-121224	1	1436	HG
P5306-07	OU4-VSL-10-121224	1	1438	HG
P5306-09	OU4-VSL-11-121224	1	1441	HG
P5306-11	OU4-VSL-12-121224	1	1443	HG
CCV44	CCV44	1	1445	HG
CCB44	CCB44	1	1448	HG
P5306-13	OU4-VSL-13-121224	1	1450	HG
P5306-15	OU4-VSL-14-121224	1	1452	HG
P5301-03L	HR-04-121624L	5	1503	HG
P5301-03A	HR-04-121624A	1	1505	HG
CCV45	CCV45	1	1507	HG
CCB45	CCB45	1	1509	HG

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ANALYSIS RUN LOG

Client: Nobis Group **Contract:** NOBI03

Lab code: CHEM **Case no.:** P5306 **Sas no.:** P5306 **Sdg no.:** P5306

Instrument id number: **Method:** **Run number:** LB134001

Start date: 12/18/2024 **End date:** 12/18/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1414	V,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,Zn
S1	S1	1	1419	V,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,Zn
S2	S2	1	1423	V,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,Zn
S3	S3	1	1427	V,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,Zn
S4	S4	1	1432	V,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,Zn
S5	S5	1	1436	V,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,Zn
ICV01	ICV01	1	1440	V,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,Zn
LLICV01	LLICV01	1	1458	V,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,Zn
ICB01	ICB01	1	1503	V,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,Zn
CRI01	CRI01	1	1507	V,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,Zn
ICSA01	ICSA01	1	1511	V,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,Zn
ICSAB01	ICSAB01	1	1523	V,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,Zn
CCV01	CCV01	1	1527	V,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,Zn
CCB01	CCB01	1	1531	V,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,Zn
CCV02	CCV02	1	1610	V,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,Zn
CCB02	CCB02	1	1614	V,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,Zn
PB165698BL	PB165698BL	1	1619	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB165698BS	PB165698BS	1	1624	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P5306-01	OU4-VSL-07-121224	1	1636	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P5306-03	OU4-VSL-08-121224	1	1640	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P5306-05	OU4-VSL-09-121224	1	1644	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P5306-07	OU4-VSL-10-121224	1	1649	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P5306-09	OU4-VSL-11-121224	1	1653	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P5306-11	OU4-VSL-12-121224	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	1701	V,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,Zn
CCB03	CCB03	1	1705	V,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,Zn
P5306-13	OU4-VSL-13-121224	1	1710	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P5306-15	OU4-VSL-14-121224	1	1714	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	1743	V,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,Zn
CCB04	CCB04	1	1747	V,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,Zn
CCV05	CCV05	1	1833	V,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,Zn
CCB05	CCB05	1	1837	V,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,Zn

metals
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ANALYSIS RUN LOG

Client: Nobis Group **Contract:** NOBI03

Lab code: CHEM **Case no.:** P5306 **Sas no.:** P5306 **Sdg no.:** P5306

Instrument id number: **Method:** **Run number:** LB134066

Start date: 12/23/2024 **End date:** 12/23/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1051	V,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,Zn
S1	S1	1	1056	V,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,Zn
S2	S2	1	1100	V,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,Zn
S3	S3	1	1104	V,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,Zn
S4	S4	1	1109	V,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,Zn
S5	S5	1	1113	V,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,Zn
ICV01	ICV01	1	1117	V,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,Zn
LLICV01	LLICV01	1	1137	V,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,Zn
ICB01	ICB01	1	1144	V,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,Zn
CRI01	CRI01	1	1151	V,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,Zn
ICSA01	ICSA01	1	1155	V,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,Zn
ICSAB01	ICSAB01	1	1206	V,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,Zn
CCV01	CCV01	1	1231	V,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,Zn
CCB01	CCB01	1	1235	V,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,Zn
CCV02	CCV02	1	1343	V,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,Zn
CCB02	CCB02	1	1347	V,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,Zn
CCV03	CCV03	1	1407	V,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,Zn
CCB03	CCB03	1	1411	V,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,Zn
P5306-17	OU4-VSL-06R-121224	1	1441	V
P5306-17DUP	OU4-VSL-06R-121224DUP	1	1445	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P5306-17L	OU4-VSL-06R-121224L	5	1449	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P5306-17MS	OU4-VSL-06R-121224MS	1	1453	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	1506	V,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,Zn
CCB04	CCB04	1	1510	V,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,Zn
P5306-17MSD	OU4-VSL-06R-121224MSD	1	1514	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P5306-17A	OU4-VSL-06R-121224A	1	1518	Be,Co,Cr
CCV05	CCV05	1	1606	V,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,Zn
CCB05	CCB05	1	1610	V,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,Zn
CCV06	CCV06	1	1654	V,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,Zn
CCB06	CCB06	1	1658	V,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,Zn