

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	
P5306-02	OU4-VSL-07-121224	Water			12/12/24			12/17/24
			SPLP Mercury	7470A		12/19/24	12/19/24	
			SPLP MetalGroup3	6020B		12/18/24	12/23/24	
			SPLP MetalGroup3	6020B		12/18/24	12/27/24	
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	
P5306-04	OU4-VSL-08-121224	Water			12/12/24			12/17/24
			SPLP Mercury	7470A		12/19/24	12/19/24	
			SPLP MetalGroup3	6020B		12/18/24	12/23/24	
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	
P5306-06	OU4-VSL-09-121224	Water			12/12/24			12/17/24
			SPLP Mercury	7470A		12/19/24	12/19/24	
			SPLP MetalGroup3	6020B		12/18/24	12/23/24	
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	
P5306-08	OU4-VSL-10-121224	Water			12/12/24			12/17/24
			SPLP Mercury	7470A		12/19/24	12/19/24	
			SPLP MetalGroup3	6020B		12/18/24	12/23/24	

LAB CHRONICLE

			SPLP MetalGroup3	6020B		12/18/24	12/27/24	
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	
P5306-10	OU4-VSL-11-121224	Water			12/12/24			12/17/24
			SPLP Mercury	7470A		12/19/24	12/19/24	
			SPLP MetalGroup3	6020B		12/18/24	12/23/24	
			SPLP MetalGroup3	6020B		12/18/24	12/27/24	
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	
P5306-12	OU4-VSL-12-121224	Water			12/12/24			12/17/24
			SPLP Mercury	7470A		12/19/24	12/19/24	
			SPLP MetalGroup3	6020B		12/18/24	12/23/24	
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	
P5306-14	OU4-VSL-13-121224	Water			12/12/24			12/17/24
			SPLP Mercury	7470A		12/19/24	12/19/24	
			SPLP MetalGroup3	6020B		12/18/24	12/23/24	
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	
P5306-16	OU4-VSL-14-121224	Water			12/12/24			12/17/24
			SPLP Mercury	7470A		12/19/24	12/19/24	
			SPLP MetalGroup3	6020B		12/18/24	12/23/24	
P5306-17	OU4-VSL-06R-121224	SOIL			12/12/24			12/17/24
			Metals Group6	6010D		12/17/24	12/23/24	
P5306-18	OU4-VSL-06R-121224	Water			12/12/24			12/17/24
			SPLP MetalGroup2	6020B		12/18/24	12/23/24	

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									
P5306-02	OU4-VSL-07-121224	Water	Antimony	0.60	JD	0.28	0.63	5.00	ug/L
P5306-02	OU4-VSL-07-121224	Water	Arsenic	3.57	D	0.23	0.63	2.50	ug/L
P5306-02	OU4-VSL-07-121224	Water	Barium	106	D	0.75	3.13	25.0	ug/L
P5306-02	OU4-VSL-07-121224	Water	Beryllium	1.85	JD	0.40	0.63	2.50	ug/L
P5306-02	OU4-VSL-07-121224	Water	Chromium	20.1	D	1.00	1.88	5.00	ug/L
P5306-02	OU4-VSL-07-121224	Water	Copper	39.6	D	1.00	3.75	5.00	ug/L
P5306-02	OU4-VSL-07-121224	Water	Lead	2.78	D	0.28	1.88	2.50	ug/L
P5306-02	OU4-VSL-07-121224	Water	Nickel	68.5	D	0.45	0.63	2.50	ug/L
P5306-02	OU4-VSL-07-121224	Water	Silver	0.30	JD	0.19	1.25	2.50	ug/L
P5306-02	OU4-VSL-07-121224	Water	Thallium	0.25	JD	0.21	1.25	2.50	ug/L
P5306-02	OU4-VSL-07-121224	Water	Vanadium	624	D	0.18	0.63	12.5	ug/L
P5306-02	OU4-VSL-07-121224	Water	Zinc	620	D	1.40	3.75	12.5	ug/L
Client ID : OU4-VSL-08-121224									
P5306-04	OU4-VSL-08-121224	Water	Arsenic	4.18	D	0.23	0.63	2.50	ug/L
P5306-04	OU4-VSL-08-121224	Water	Barium	97.8	D	0.75	3.13	25.0	ug/L
P5306-04	OU4-VSL-08-121224	Water	Beryllium	0.98	JD	0.40	0.63	2.50	ug/L
P5306-04	OU4-VSL-08-121224	Water	Chromium	32.4	D	1.00	1.88	5.00	ug/L
P5306-04	OU4-VSL-08-121224	Water	Copper	68.3	D	1.00	3.75	5.00	ug/L
P5306-04	OU4-VSL-08-121224	Water	Lead	3.57	D	0.28	1.88	2.50	ug/L
P5306-04	OU4-VSL-08-121224	Water	Nickel	137	D	0.45	0.63	2.50	ug/L
P5306-04	OU4-VSL-08-121224	Water	Mercury	0.27		0.081	0.16	0.20	ug/L
P5306-04	OU4-VSL-08-121224	Water	Vanadium	638	D	0.18	0.63	12.5	ug/L
P5306-04	OU4-VSL-08-121224	Water	Zinc	743	D	1.40	3.75	12.5	ug/L
Client ID : OU4-VSL-09-121224									
P5306-06	OU4-VSL-09-121224	Water	Arsenic	4.45	D	0.23	0.63	2.50	ug/L
P5306-06	OU4-VSL-09-121224	Water	Barium	106	D	0.75	3.13	25.0	ug/L
P5306-06	OU4-VSL-09-121224	Water	Beryllium	1.18	JD	0.40	0.63	2.50	ug/L
P5306-06	OU4-VSL-09-121224	Water	Chromium	10.6	D	1.00	1.88	5.00	ug/L
P5306-06	OU4-VSL-09-121224	Water	Copper	9.10	D	1.00	3.75	5.00	ug/L
P5306-06	OU4-VSL-09-121224	Water	Lead	1.08	JD	0.28	1.88	2.50	ug/L
P5306-06	OU4-VSL-09-121224	Water	Nickel	45.7	D	0.45	0.63	2.50	ug/L
P5306-06	OU4-VSL-09-121224	Water	Vanadium	731	D	0.18	0.63	12.5	ug/L
P5306-06	OU4-VSL-09-121224	Water	Zinc	585	D	1.40	3.75	12.5	ug/L
Client ID : OU4-VSL-10-121224									
P5306-08	OU4-VSL-10-121224	Water	Arsenic	2.93	D	0.23	0.63	2.50	ug/L

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
P5306-08	OU4-VSL-10-121224	Water	Barium	93.6	D	0.75	3.13	25.0	ug/L
P5306-08	OU4-VSL-10-121224	Water	Beryllium	1.70	JD	0.40	0.63	2.50	ug/L
P5306-08	OU4-VSL-10-121224	Water	Chromium	13.9	D	1.00	1.88	5.00	ug/L
P5306-08	OU4-VSL-10-121224	Water	Copper	33.2	D	1.00	3.75	5.00	ug/L
P5306-08	OU4-VSL-10-121224	Water	Lead	1.38	JD	0.28	1.88	2.50	ug/L
P5306-08	OU4-VSL-10-121224	Water	Nickel	40.7	D	0.45	0.63	2.50	ug/L
P5306-08	OU4-VSL-10-121224	Water	Vanadium	542	D	0.18	0.63	12.5	ug/L
P5306-08	OU4-VSL-10-121224	Water	Zinc	610	D	1.40	3.75	12.5	ug/L
Client ID : OU4-VSL-11-121224									
P5306-10	OU4-VSL-11-121224	Water	Arsenic	3.10	D	0.23	0.63	2.50	ug/L
P5306-10	OU4-VSL-11-121224	Water	Barium	94.4	D	0.75	3.13	25.0	ug/L
P5306-10	OU4-VSL-11-121224	Water	Beryllium	1.63	JD	0.40	0.63	2.50	ug/L
P5306-10	OU4-VSL-11-121224	Water	Chromium	11.8	D	1.00	1.88	5.00	ug/L
P5306-10	OU4-VSL-11-121224	Water	Copper	25.3	D	1.00	3.75	5.00	ug/L
P5306-10	OU4-VSL-11-121224	Water	Lead	1.05	JD	0.28	1.88	2.50	ug/L
P5306-10	OU4-VSL-11-121224	Water	Nickel	38.7	D	0.45	0.63	2.50	ug/L
P5306-10	OU4-VSL-11-121224	Water	Vanadium	544	D	0.18	0.63	12.5	ug/L
P5306-10	OU4-VSL-11-121224	Water	Zinc	580	D	1.40	3.75	12.5	ug/L
Client ID : OU4-VSL-12-121224									
P5306-12	OU4-VSL-12-121224	Water	Arsenic	3.98	D	0.23	0.63	2.50	ug/L
P5306-12	OU4-VSL-12-121224	Water	Barium	83.2	D	0.75	3.13	25.0	ug/L
P5306-12	OU4-VSL-12-121224	Water	Beryllium	0.43	JD	0.40	0.63	2.50	ug/L
P5306-12	OU4-VSL-12-121224	Water	Chromium	40.4	D	1.00	1.88	5.00	ug/L
P5306-12	OU4-VSL-12-121224	Water	Copper	78.4	D	1.00	3.75	5.00	ug/L
P5306-12	OU4-VSL-12-121224	Water	Lead	3.38	D	0.28	1.88	2.50	ug/L
P5306-12	OU4-VSL-12-121224	Water	Nickel	180	D	0.45	0.63	2.50	ug/L
P5306-12	OU4-VSL-12-121224	Water	Vanadium	696	D	0.18	0.63	12.5	ug/L
P5306-12	OU4-VSL-12-121224	Water	Zinc	747	D	1.40	3.75	12.5	ug/L
Client ID : OU4-VSL-13-121224									
P5306-14	OU4-VSL-13-121224	Water	Arsenic	4.53	D	0.23	0.63	2.50	ug/L
P5306-14	OU4-VSL-13-121224	Water	Barium	90.1	D	0.75	3.13	25.0	ug/L
P5306-14	OU4-VSL-13-121224	Water	Beryllium	0.57	JD	0.40	0.63	2.50	ug/L
P5306-14	OU4-VSL-13-121224	Water	Chromium	36.7	D	1.00	1.88	5.00	ug/L
P5306-14	OU4-VSL-13-121224	Water	Copper	69.6	D	1.00	3.75	5.00	ug/L
P5306-14	OU4-VSL-13-121224	Water	Lead	2.53	D	0.28	1.88	2.50	ug/L
P5306-14	OU4-VSL-13-121224	Water	Nickel	160	D	0.45	0.63	2.50	ug/L
P5306-14	OU4-VSL-13-121224	Water	Vanadium	676	D	0.18	0.63	12.5	ug/L
P5306-14	OU4-VSL-13-121224	Water	Zinc	722	D	1.40	3.75	12.5	ug/L

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-14-121224									
P5306-16	OU4-VSL-14-121224	Water	Antimony	1.23	JD	0.28	0.63	5.00	ug/L
P5306-16	OU4-VSL-14-121224	Water	Arsenic	3.75	D	0.23	0.63	2.50	ug/L
P5306-16	OU4-VSL-14-121224	Water	Barium	89.3	D	0.75	3.13	25.0	ug/L
P5306-16	OU4-VSL-14-121224	Water	Beryllium	0.55	JD	0.40	0.63	2.50	ug/L
P5306-16	OU4-VSL-14-121224	Water	Chromium	40.9	D	1.00	1.88	5.00	ug/L
P5306-16	OU4-VSL-14-121224	Water	Copper	77.1	D	1.00	3.75	5.00	ug/L
P5306-16	OU4-VSL-14-121224	Water	Lead	5.05	D	0.28	1.88	2.50	ug/L
P5306-16	OU4-VSL-14-121224	Water	Nickel	167	D	0.45	0.63	2.50	ug/L
P5306-16	OU4-VSL-14-121224	Water	Vanadium	671	D	0.18	0.63	12.5	ug/L
P5306-16	OU4-VSL-14-121224	Water	Zinc	729	D	1.40	3.75	12.5	ug/L
Client ID : OU4-VSL-06R-121224									
P5306-18	OU4-VSL-06R-121224	Water	Vanadium	628	D	0.18	0.63	12.5	ug/L



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:	P5306-02	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-36-0	Antimony	0.60	JD	5	0.28	0.63	5.00	ug/L	12/18/24 12:00	12/23/24 13:02	SW6020	3010A
7440-38-2	Arsenic	3.57	D	5	0.23	0.63	2.50	ug/L	12/18/24 12:00	12/23/24 13:02	SW6020	3010A
7440-39-3	Barium	106	D	5	0.75	3.13	25.0	ug/L	12/18/24 12:00	12/23/24 13:02	SW6020	3010A
7440-41-7	Beryllium	1.85	JD	5	0.40	0.63	2.50	ug/L	12/18/24 12:00	12/23/24 13:02	SW6020	3010A
7440-43-9	Cadmium	1.25	UDN5		0.75	1.25	2.50	ug/L	12/18/24 12:00	12/23/24 13:02	SW6020	3010A
7440-47-3	Chromium	20.1	D	5	1.00	1.88	5.00	ug/L	12/18/24 12:00	12/23/24 13:02	SW6020	3010A
7440-50-8	Copper	39.6	D	5	1.00	3.75	5.00	ug/L	12/18/24 12:00	12/23/24 13:02	SW6020	3010A
7439-92-1	Lead	2.78	D*	5	0.28	1.88	2.50	ug/L	12/18/24 12:00	12/23/24 13:02	SW6020	3010A
7439-97-6	Mercury	0.16	U	1	0.081	0.16	0.20	ug/L	12/19/24 08:10	12/19/24 13:26	SW7470A	
7440-02-0	Nickel	68.5	D	5	0.45	0.63	2.50	ug/L	12/18/24 12:00	12/23/24 13:02	SW6020	3010A
7782-49-2	Selenium	22.5	UD	10	6.90	22.5	25.0	ug/L	12/18/24 12:00	12/27/24 15:57	SW6020	3010A
7440-22-4	Silver	0.30	JDN	5	0.19	1.25	2.50	ug/L	12/18/24 12:00	12/23/24 13:02	SW6020	3010A
7440-28-0	Thallium	0.25	JDN	5	0.21	1.25	2.50	ug/L	12/18/24 12:00	12/23/24 13:02	SW6020	3010A
7440-62-2	Vanadium	624	D	5	0.18	0.63	12.5	ug/L	12/18/24 12:00	12/23/24 13:02	SW6020	3010A
7440-66-6	Zinc	620	D	5	1.40	3.75	12.5	ug/L	12/18/24 12:00	12/23/24 13:02	SW6020	3010A

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	SPLP Mercury			

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:	P5306-04	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-36-0	Antimony	0.63	UD	5	0.28	0.63	5.00	ug/L	12/18/24 12:00	12/23/24 13:27	SW6020	3010A
7440-38-2	Arsenic	4.18	D	5	0.23	0.63	2.50	ug/L	12/18/24 12:00	12/23/24 13:27	SW6020	3010A
7440-39-3	Barium	97.8	D	5	0.75	3.13	25.0	ug/L	12/18/24 12:00	12/23/24 13:27	SW6020	3010A
7440-41-7	Beryllium	0.98	JD	5	0.40	0.63	2.50	ug/L	12/18/24 12:00	12/23/24 13:27	SW6020	3010A
7440-43-9	Cadmium	1.25	UDN	5	0.75	1.25	2.50	ug/L	12/18/24 12:00	12/23/24 13:27	SW6020	3010A
7440-47-3	Chromium	32.4	D	5	1.00	1.88	5.00	ug/L	12/18/24 12:00	12/23/24 13:27	SW6020	3010A
7440-50-8	Copper	68.3	D	5	1.00	3.75	5.00	ug/L	12/18/24 12:00	12/23/24 13:27	SW6020	3010A
7439-92-1	Lead	3.57	D*	5	0.28	1.88	2.50	ug/L	12/18/24 12:00	12/23/24 13:27	SW6020	3010A
7439-97-6	Mercury	0.27		1	0.081	0.16	0.20	ug/L	12/19/24 08:10	12/19/24 13:42	SW7470A	
7440-02-0	Nickel	137	D	5	0.45	0.63	2.50	ug/L	12/18/24 12:00	12/23/24 13:27	SW6020	3010A
7782-49-2	Selenium	11.3	UD	5	3.45	11.3	12.5	ug/L	12/18/24 12:00	12/23/24 13:27	SW6020	3010A
7440-22-4	Silver	1.25	UDN	5	0.19	1.25	2.50	ug/L	12/18/24 12:00	12/23/24 13:27	SW6020	3010A
7440-28-0	Thallium	1.25	UDN	5	0.21	1.25	2.50	ug/L	12/18/24 12:00	12/23/24 13:27	SW6020	3010A
7440-62-2	Vanadium	638	D	5	0.18	0.63	12.5	ug/L	12/18/24 12:00	12/23/24 13:27	SW6020	3010A
7440-66-6	Zinc	743	D	5	1.40	3.75	12.5	ug/L	12/18/24 12:00	12/23/24 13:27	SW6020	3010A

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	SPLP Mercury			

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:	P5306-06	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-36-0	Antimony	0.63	UD	5	0.28	0.63	5.00	ug/L	12/18/24 12:00	12/23/24 13:30	SW6020	3010A
7440-38-2	Arsenic	4.45	D	5	0.23	0.63	2.50	ug/L	12/18/24 12:00	12/23/24 13:30	SW6020	3010A
7440-39-3	Barium	106	D	5	0.75	3.13	25.0	ug/L	12/18/24 12:00	12/23/24 13:30	SW6020	3010A
7440-41-7	Beryllium	1.18	JD	5	0.40	0.63	2.50	ug/L	12/18/24 12:00	12/23/24 13:30	SW6020	3010A
7440-43-9	Cadmium	1.25	UDN5		0.75	1.25	2.50	ug/L	12/18/24 12:00	12/23/24 13:30	SW6020	3010A
7440-47-3	Chromium	10.6	D	5	1.00	1.88	5.00	ug/L	12/18/24 12:00	12/23/24 13:30	SW6020	3010A
7440-50-8	Copper	9.10	D	5	1.00	3.75	5.00	ug/L	12/18/24 12:00	12/23/24 13:30	SW6020	3010A
7439-92-1	Lead	1.08	JD*	5	0.28	1.88	2.50	ug/L	12/18/24 12:00	12/23/24 13:30	SW6020	3010A
7439-97-6	Mercury	0.16	U	1	0.081	0.16	0.20	ug/L	12/19/24 08:10	12/19/24 13:45	SW7470A	
7440-02-0	Nickel	45.7	D	5	0.45	0.63	2.50	ug/L	12/18/24 12:00	12/23/24 13:30	SW6020	3010A
7782-49-2	Selenium	11.3	UD	5	3.45	11.3	12.5	ug/L	12/18/24 12:00	12/23/24 13:30	SW6020	3010A
7440-22-4	Silver	1.25	UDN5		0.19	1.25	2.50	ug/L	12/18/24 12:00	12/23/24 13:30	SW6020	3010A
7440-28-0	Thallium	1.25	UDN5		0.21	1.25	2.50	ug/L	12/18/24 12:00	12/23/24 13:30	SW6020	3010A
7440-62-2	Vanadium	731	D	5	0.18	0.63	12.5	ug/L	12/18/24 12:00	12/23/24 13:30	SW6020	3010A
7440-66-6	Zinc	585	D	5	1.40	3.75	12.5	ug/L	12/18/24 12:00	12/23/24 13:30	SW6020	3010A

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	SPLP Mercury			

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:	P5306-08	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-36-0	Antimony	0.63	UD	5	0.28	0.63	5.00	ug/L	12/18/24 12:00	12/23/24 13:33	SW6020	3010A
7440-38-2	Arsenic	2.93	D	5	0.23	0.63	2.50	ug/L	12/18/24 12:00	12/23/24 13:33	SW6020	3010A
7440-39-3	Barium	93.6	D	5	0.75	3.13	25.0	ug/L	12/18/24 12:00	12/23/24 13:33	SW6020	3010A
7440-41-7	Beryllium	1.70	JD	5	0.40	0.63	2.50	ug/L	12/18/24 12:00	12/23/24 13:33	SW6020	3010A
7440-43-9	Cadmium	1.25	UDN5		0.75	1.25	2.50	ug/L	12/18/24 12:00	12/23/24 13:33	SW6020	3010A
7440-47-3	Chromium	13.9	D	5	1.00	1.88	5.00	ug/L	12/18/24 12:00	12/23/24 13:33	SW6020	3010A
7440-50-8	Copper	33.2	D	5	1.00	3.75	5.00	ug/L	12/18/24 12:00	12/23/24 13:33	SW6020	3010A
7439-92-1	Lead	1.38	JD*	5	0.28	1.88	2.50	ug/L	12/18/24 12:00	12/23/24 13:33	SW6020	3010A
7439-97-6	Mercury	0.16	U	1	0.081	0.16	0.20	ug/L	12/19/24 08:10	12/19/24 13:47	SW7470A	
7440-02-0	Nickel	40.7	D	5	0.45	0.63	2.50	ug/L	12/18/24 12:00	12/23/24 13:33	SW6020	3010A
7782-49-2	Selenium	22.5	UD	10	6.90	22.5	25.0	ug/L	12/18/24 12:00	12/27/24 16:16	SW6020	3010A
7440-22-4	Silver	1.25	UDN5		0.19	1.25	2.50	ug/L	12/18/24 12:00	12/23/24 13:33	SW6020	3010A
7440-28-0	Thallium	1.25	UDN5		0.21	1.25	2.50	ug/L	12/18/24 12:00	12/23/24 13:33	SW6020	3010A
7440-62-2	Vanadium	542	D	5	0.18	0.63	12.5	ug/L	12/18/24 12:00	12/23/24 13:33	SW6020	3010A
7440-66-6	Zinc	610	D	5	1.40	3.75	12.5	ug/L	12/18/24 12:00	12/23/24 13:33	SW6020	3010A

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	SPLP Mercury			

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-11-121224	SDG No.:	P5306
Lab Sample ID:	P5306-10	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-36-0	Antimony	0.63	UD	5	0.28	0.63	5.00	ug/L	12/18/24 12:00	12/23/24 13:36	SW6020	3010A
7440-38-2	Arsenic	3.10	D	5	0.23	0.63	2.50	ug/L	12/18/24 12:00	12/23/24 13:36	SW6020	3010A
7440-39-3	Barium	94.4	D	5	0.75	3.13	25.0	ug/L	12/18/24 12:00	12/23/24 13:36	SW6020	3010A
7440-41-7	Beryllium	1.63	JD	5	0.40	0.63	2.50	ug/L	12/18/24 12:00	12/23/24 13:36	SW6020	3010A
7440-43-9	Cadmium	1.25	UDN5		0.75	1.25	2.50	ug/L	12/18/24 12:00	12/23/24 13:36	SW6020	3010A
7440-47-3	Chromium	11.8	D	5	1.00	1.88	5.00	ug/L	12/18/24 12:00	12/23/24 13:36	SW6020	3010A
7440-50-8	Copper	25.3	D	5	1.00	3.75	5.00	ug/L	12/18/24 12:00	12/23/24 13:36	SW6020	3010A
7439-92-1	Lead	1.05	JD*	5	0.28	1.88	2.50	ug/L	12/18/24 12:00	12/23/24 13:36	SW6020	3010A
7439-97-6	Mercury	0.16	U	1	0.081	0.16	0.20	ug/L	12/19/24 08:10	12/19/24 13:49	SW7470A	
7440-02-0	Nickel	38.7	D	5	0.45	0.63	2.50	ug/L	12/18/24 12:00	12/23/24 13:36	SW6020	3010A
7782-49-2	Selenium	22.5	UD	10	6.90	22.5	25.0	ug/L	12/18/24 12:00	12/27/24 16:19	SW6020	3010A
7440-22-4	Silver	1.25	UDN5		0.19	1.25	2.50	ug/L	12/18/24 12:00	12/23/24 13:36	SW6020	3010A
7440-28-0	Thallium	1.25	UDN5		0.21	1.25	2.50	ug/L	12/18/24 12:00	12/23/24 13:36	SW6020	3010A
7440-62-2	Vanadium	544	D	5	0.18	0.63	12.5	ug/L	12/18/24 12:00	12/23/24 13:36	SW6020	3010A
7440-66-6	Zinc	580	D	5	1.40	3.75	12.5	ug/L	12/18/24 12:00	12/23/24 13:36	SW6020	3010A

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	SPLP Mercury			

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:	P5306-12	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-36-0	Antimony	0.63	UD	5	0.28	0.63	5.00	ug/L	12/18/24 12:00	12/23/24 13:39	SW6020	3010A
7440-38-2	Arsenic	3.98	D	5	0.23	0.63	2.50	ug/L	12/18/24 12:00	12/23/24 13:39	SW6020	3010A
7440-39-3	Barium	83.2	D	5	0.75	3.13	25.0	ug/L	12/18/24 12:00	12/23/24 13:39	SW6020	3010A
7440-41-7	Beryllium	0.43	JD	5	0.40	0.63	2.50	ug/L	12/18/24 12:00	12/23/24 13:39	SW6020	3010A
7440-43-9	Cadmium	1.25	UDN5		0.75	1.25	2.50	ug/L	12/18/24 12:00	12/23/24 13:39	SW6020	3010A
7440-47-3	Chromium	40.4	D	5	1.00	1.88	5.00	ug/L	12/18/24 12:00	12/23/24 13:39	SW6020	3010A
7440-50-8	Copper	78.4	D	5	1.00	3.75	5.00	ug/L	12/18/24 12:00	12/23/24 13:39	SW6020	3010A
7439-92-1	Lead	3.38	D*	5	0.28	1.88	2.50	ug/L	12/18/24 12:00	12/23/24 13:39	SW6020	3010A
7439-97-6	Mercury	0.16	U	1	0.081	0.16	0.20	ug/L	12/19/24 08:10	12/19/24 13:51	SW7470A	
7440-02-0	Nickel	180	D	5	0.45	0.63	2.50	ug/L	12/18/24 12:00	12/23/24 13:39	SW6020	3010A
7782-49-2	Selenium	11.3	UD	5	3.45	11.3	12.5	ug/L	12/18/24 12:00	12/23/24 13:39	SW6020	3010A
7440-22-4	Silver	1.25	UDN5		0.19	1.25	2.50	ug/L	12/18/24 12:00	12/23/24 13:39	SW6020	3010A
7440-28-0	Thallium	1.25	UDN5		0.21	1.25	2.50	ug/L	12/18/24 12:00	12/23/24 13:39	SW6020	3010A
7440-62-2	Vanadium	696	D	5	0.18	0.63	12.5	ug/L	12/18/24 12:00	12/23/24 13:39	SW6020	3010A
7440-66-6	Zinc	747	D	5	1.40	3.75	12.5	ug/L	12/18/24 12:00	12/23/24 13:39	SW6020	3010A

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	SPLP Mercury			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
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B = Analyte Found in Associated Method Blank
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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:	P5306-14	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-36-0	Antimony	0.63	UD	5	0.28	0.63	5.00	ug/L	12/18/24 12:00	12/23/24 13:43	SW6020	3010A
7440-38-2	Arsenic	4.53	D	5	0.23	0.63	2.50	ug/L	12/18/24 12:00	12/23/24 13:43	SW6020	3010A
7440-39-3	Barium	90.1	D	5	0.75	3.13	25.0	ug/L	12/18/24 12:00	12/23/24 13:43	SW6020	3010A
7440-41-7	Beryllium	0.57	JD	5	0.40	0.63	2.50	ug/L	12/18/24 12:00	12/23/24 13:43	SW6020	3010A
7440-43-9	Cadmium	1.25	UDN5		0.75	1.25	2.50	ug/L	12/18/24 12:00	12/23/24 13:43	SW6020	3010A
7440-47-3	Chromium	36.7	D	5	1.00	1.88	5.00	ug/L	12/18/24 12:00	12/23/24 13:43	SW6020	3010A
7440-50-8	Copper	69.6	D	5	1.00	3.75	5.00	ug/L	12/18/24 12:00	12/23/24 13:43	SW6020	3010A
7439-92-1	Lead	2.53	D*	5	0.28	1.88	2.50	ug/L	12/18/24 12:00	12/23/24 13:43	SW6020	3010A
7439-97-6	Mercury	0.16	U	1	0.081	0.16	0.20	ug/L	12/19/24 08:10	12/19/24 13:54	SW7470A	
7440-02-0	Nickel	160	D	5	0.45	0.63	2.50	ug/L	12/18/24 12:00	12/23/24 13:43	SW6020	3010A
7782-49-2	Selenium	11.3	UD	5	3.45	11.3	12.5	ug/L	12/18/24 12:00	12/23/24 13:43	SW6020	3010A
7440-22-4	Silver	1.25	UDN5		0.19	1.25	2.50	ug/L	12/18/24 12:00	12/23/24 13:43	SW6020	3010A
7440-28-0	Thallium	1.25	UDN5		0.21	1.25	2.50	ug/L	12/18/24 12:00	12/23/24 13:43	SW6020	3010A
7440-62-2	Vanadium	676	D	5	0.18	0.63	12.5	ug/L	12/18/24 12:00	12/23/24 13:43	SW6020	3010A
7440-66-6	Zinc	722	D	5	1.40	3.75	12.5	ug/L	12/18/24 12:00	12/23/24 13:43	SW6020	3010A

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	SPLP Mercury			

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-14-121224	SDG No.:	P5306
Lab Sample ID:	P5306-16	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-36-0	Antimony	1.23	JD	5	0.28	0.63	5.00	ug/L	12/18/24 12:00	12/23/24 13:46	SW6020	3010A
7440-38-2	Arsenic	3.75	D	5	0.23	0.63	2.50	ug/L	12/18/24 12:00	12/23/24 13:46	SW6020	3010A
7440-39-3	Barium	89.3	D	5	0.75	3.13	25.0	ug/L	12/18/24 12:00	12/23/24 13:46	SW6020	3010A
7440-41-7	Beryllium	0.55	JD	5	0.40	0.63	2.50	ug/L	12/18/24 12:00	12/23/24 13:46	SW6020	3010A
7440-43-9	Cadmium	1.25	UDN5		0.75	1.25	2.50	ug/L	12/18/24 12:00	12/23/24 13:46	SW6020	3010A
7440-47-3	Chromium	40.9	D	5	1.00	1.88	5.00	ug/L	12/18/24 12:00	12/23/24 13:46	SW6020	3010A
7440-50-8	Copper	77.1	D	5	1.00	3.75	5.00	ug/L	12/18/24 12:00	12/23/24 13:46	SW6020	3010A
7439-92-1	Lead	5.05	D*	5	0.28	1.88	2.50	ug/L	12/18/24 12:00	12/23/24 13:46	SW6020	3010A
7439-97-6	Mercury	0.16	U	1	0.081	0.16	0.20	ug/L	12/19/24 08:10	12/19/24 13:56	SW7470A	
7440-02-0	Nickel	167	D	5	0.45	0.63	2.50	ug/L	12/18/24 12:00	12/23/24 13:46	SW6020	3010A
7782-49-2	Selenium	11.3	UD	5	3.45	11.3	12.5	ug/L	12/18/24 12:00	12/23/24 13:46	SW6020	3010A
7440-22-4	Silver	1.25	UDN5		0.19	1.25	2.50	ug/L	12/18/24 12:00	12/23/24 13:46	SW6020	3010A
7440-28-0	Thallium	1.25	UDN5		0.21	1.25	2.50	ug/L	12/18/24 12:00	12/23/24 13:46	SW6020	3010A
7440-62-2	Vanadium	671	D	5	0.18	0.63	12.5	ug/L	12/18/24 12:00	12/23/24 13:46	SW6020	3010A
7440-66-6	Zinc	729	D	5	1.40	3.75	12.5	ug/L	12/18/24 12:00	12/23/24 13:46	SW6020	3010A

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	SPLP Mercury			

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-06R-121224	SDG No.:	P5306
Lab Sample ID:	P5306-18	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-62-2	Vanadium	628	D	5	0.18	0.63	12.5	ug/L	12/18/24 12:00	12/23/24 13:49	SW6020	3010A

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	SPLP MetalGroup2			

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

J = Estimated Value
 B = Analyte Found in Associated Method Blank
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 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
ICV25	Mercury	3.84	4.0	96	90 - 110	CV	12/19/2024	11:58	LB134010

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
CCV46	Mercury	4.72	5.0	94	90 - 110	CV	12/19/2024	12:03	LB134010
CCV47	Mercury	5.07	5.0	102	90 - 110	CV	12/19/2024	12:58	LB134010
CCV48	Mercury	4.90	5.0	98	90 - 110	CV	12/19/2024	13:36	LB134010
CCV49	Mercury	4.76	5.0	95	90 - 110	CV	12/19/2024	14:00	LB134010
CCV50	Mercury	4.80	5.0	96	90 - 110	CV	12/19/2024	14:28	LB134010

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
ICV01	Antimony	213	200	106	90 - 110	P	12/23/2024	12:06	LB134070
	Arsenic	217	200	109	90 - 110	P	12/23/2024	12:06	LB134070
	Barium	102	100	102	90 - 110	P	12/23/2024	12:06	LB134070
	Beryllium	107	100	107	90 - 110	P	12/23/2024	12:06	LB134070
	Cadmium	108	100	108	90 - 110	P	12/23/2024	12:06	LB134070
	Chromium	104	100	104	90 - 110	P	12/23/2024	12:06	LB134070
	Copper	97.3	100	97	90 - 110	P	12/23/2024	12:06	LB134070
	Lead	194	200	97	90 - 110	P	12/23/2024	12:06	LB134070
	Nickel	105	110	95	90 - 110	P	12/23/2024	12:06	LB134070
	Selenium	218	200	109	90 - 110	P	12/23/2024	12:06	LB134070
	Silver	51.6	50.0	103	90 - 110	P	12/23/2024	12:06	LB134070
	Thallium	198	210	94	90 - 110	P	12/23/2024	12:06	LB134070
	Vanadium	101	100	101	90 - 110	P	12/23/2024	12:06	LB134070
	Zinc	198	200	99	90 - 110	P	12/23/2024	12:06	LB134070

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
LLICV01	Antimony	2.17	2.0	108	80 - 120	P	12/23/2024	12:20	LB134070
	Arsenic	1.16	1.0	116	80 - 120	P	12/23/2024	12:20	LB134070
	Barium	10.5	10.0	105	80 - 120	P	12/23/2024	12:20	LB134070
	Beryllium	1.20	1.0	120	80 - 120	P	12/23/2024	12:20	LB134070
	Cadmium	1.05	1.0	105	80 - 120	P	12/23/2024	12:20	LB134070
	Chromium	2.15	2.0	108	80 - 120	P	12/23/2024	12:20	LB134070
	Copper	2.08	2.0	104	80 - 120	P	12/23/2024	12:20	LB134070
	Lead	0.96	1.0	96	80 - 120	P	12/23/2024	12:20	LB134070
	Nickel	1.07	1.0	107	80 - 120	P	12/23/2024	12:20	LB134070
	Selenium	5.48	5.0	110	80 - 120	P	12/23/2024	12:20	LB134070
	Silver	1.10	1.0	110	80 - 120	P	12/23/2024	12:20	LB134070
	Thallium	0.95	1.0	95	80 - 120	P	12/23/2024	12:20	LB134070
	Vanadium	5.31	5.0	106	80 - 120	P	12/23/2024	12:20	LB134070
	Zinc	5.47	5.0	109	80 - 120	P	12/23/2024	12:20	LB134070

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
CCV01	Antimony	496	500	99	90 - 110	P	12/23/2024	12:35	LB134070
	Arsenic	504	500	101	90 - 110	P	12/23/2024	12:35	LB134070
	Barium	2540	2500	102	90 - 110	P	12/23/2024	12:35	LB134070
	Beryllium	506	500	101	90 - 110	P	12/23/2024	12:35	LB134070
	Cadmium	472	500	94	90 - 110	P	12/23/2024	12:35	LB134070
	Chromium	506	500	101	90 - 110	P	12/23/2024	12:35	LB134070
	Copper	4810	5000	96	90 - 110	P	12/23/2024	12:35	LB134070
	Lead	2540	2500	102	90 - 110	P	12/23/2024	12:35	LB134070
	Nickel	469	500	94	90 - 110	P	12/23/2024	12:35	LB134070
	Selenium	478	500	96	90 - 110	P	12/23/2024	12:35	LB134070
	Silver	492	500	98	90 - 110	P	12/23/2024	12:35	LB134070
	Thallium	510	500	102	90 - 110	P	12/23/2024	12:35	LB134070
	Vanadium	508	500	102	90 - 110	P	12/23/2024	12:35	LB134070
	Zinc	4730	5000	95	90 - 110	P	12/23/2024	12:35	LB134070
CCV02	Antimony	508	500	102	90 - 110	P	12/23/2024	13:20	LB134070
	Arsenic	495	500	99	90 - 110	P	12/23/2024	13:20	LB134070
	Barium	2590	2500	104	90 - 110	P	12/23/2024	13:20	LB134070
	Beryllium	503	500	101	90 - 110	P	12/23/2024	13:20	LB134070
	Cadmium	479	500	96	90 - 110	P	12/23/2024	13:20	LB134070
	Chromium	507	500	101	90 - 110	P	12/23/2024	13:20	LB134070
	Copper	4850	5000	97	90 - 110	P	12/23/2024	13:20	LB134070
	Lead	2560	2500	102	90 - 110	P	12/23/2024	13:20	LB134070
	Nickel	470	500	94	90 - 110	P	12/23/2024	13:20	LB134070
	Selenium	487	500	97	90 - 110	P	12/23/2024	13:20	LB134070
	Silver	500	500	100	90 - 110	P	12/23/2024	13:20	LB134070
	Thallium	511	500	102	90 - 110	P	12/23/2024	13:20	LB134070
	Vanadium	516	500	103	90 - 110	P	12/23/2024	13:20	LB134070
	Zinc	4780	5000	96	90 - 110	P	12/23/2024	13:20	LB134070
CCV03	Antimony	505	500	101	90 - 110	P	12/23/2024	13:55	LB134070
	Arsenic	504	500	101	90 - 110	P	12/23/2024	13:55	LB134070
	Barium	2590	2500	104	90 - 110	P	12/23/2024	13:55	LB134070
	Beryllium	495	500	99	90 - 110	P	12/23/2024	13:55	LB134070
	Cadmium	478	500	96	90 - 110	P	12/23/2024	13:55	LB134070
	Chromium	514	500	103	90 - 110	P	12/23/2024	13:55	LB134070

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
CCV03	Copper	4850	5000	97	90 - 110	P	12/23/2024	13:55	LB134070
	Lead	2570	2500	103	90 - 110	P	12/23/2024	13:55	LB134070
	Nickel	472	500	94	90 - 110	P	12/23/2024	13:55	LB134070
	Selenium	484	500	97	90 - 110	P	12/23/2024	13:55	LB134070
	Silver	498	500	100	90 - 110	P	12/23/2024	13:55	LB134070
	Thallium	517	500	103	90 - 110	P	12/23/2024	13:55	LB134070
	Vanadium	520	500	104	90 - 110	P	12/23/2024	13:55	LB134070
	Zinc	4800	5000	96	90 - 110	P	12/23/2024	13:55	LB134070

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
ICV01	Antimony	217	200	108	90 - 110	P	12/27/2024	15:30	LB134133
	Arsenic	218	200	109	90 - 110	P	12/27/2024	15:30	LB134133
	Barium	104	100	104	90 - 110	P	12/27/2024	15:30	LB134133
	Beryllium	107	100	107	90 - 110	P	12/27/2024	15:30	LB134133
	Cadmium	105	100	105	90 - 110	P	12/27/2024	15:30	LB134133
	Chromium	105	100	105	90 - 110	P	12/27/2024	15:30	LB134133
	Copper	101	100	101	90 - 110	P	12/27/2024	15:30	LB134133
	Lead	202	200	101	90 - 110	P	12/27/2024	15:30	LB134133
	Nickel	108	110	98	90 - 110	P	12/27/2024	15:30	LB134133
	Selenium	216	200	108	90 - 110	P	12/27/2024	15:30	LB134133
	Silver	51.9	50.0	104	90 - 110	P	12/27/2024	15:30	LB134133
	Thallium	206	210	98	90 - 110	P	12/27/2024	15:30	LB134133
	Vanadium	101	100	102	90 - 110	P	12/27/2024	15:30	LB134133
	Zinc	210	200	105	90 - 110	P	12/27/2024	15:30	LB134133

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
LLICV	Antimony	2.16	2.0	108	80 - 120	P	12/27/2024	15:35	LB134133
	Arsenic	1.14	1.0	114	80 - 120	P	12/27/2024	15:35	LB134133
	Barium	10.3	10.0	103	80 - 120	P	12/27/2024	15:35	LB134133
	Beryllium	1.12	1.0	112	80 - 120	P	12/27/2024	15:35	LB134133
	Cadmium	1.14	1.0	114	80 - 120	P	12/27/2024	15:35	LB134133
	Chromium	2.03	2.0	102	80 - 120	P	12/27/2024	15:35	LB134133
	Copper	2.09	2.0	104	80 - 120	P	12/27/2024	15:35	LB134133
	Lead	0.98	1.0	98	80 - 120	P	12/27/2024	15:35	LB134133
	Nickel	1.07	1.0	107	80 - 120	P	12/27/2024	15:35	LB134133
	Selenium	5.28	5.0	106	80 - 120	P	12/27/2024	15:35	LB134133
	Silver	1.07	1.0	107	80 - 120	P	12/27/2024	15:35	LB134133
	Thallium	1.01	1.0	101	80 - 120	P	12/27/2024	15:35	LB134133
	Vanadium	5.19	5.0	104	80 - 120	P	12/27/2024	15:35	LB134133
	Zinc	5.42	5.0	108	80 - 120	P	12/27/2024	15:35	LB134133

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
CCV01	Antimony	497	500	100	90 - 110	P	12/27/2024	15:48	LB134133
	Arsenic	494	500	99	90 - 110	P	12/27/2024	15:48	LB134133
	Barium	2530	2500	101	90 - 110	P	12/27/2024	15:48	LB134133
	Beryllium	494	500	99	90 - 110	P	12/27/2024	15:48	LB134133
	Cadmium	476	500	95	90 - 110	P	12/27/2024	15:48	LB134133
	Chromium	497	500	99	90 - 110	P	12/27/2024	15:48	LB134133
	Copper	4780	5000	96	90 - 110	P	12/27/2024	15:48	LB134133
	Lead	2570	2500	103	90 - 110	P	12/27/2024	15:48	LB134133
	Nickel	467	500	93	90 - 110	P	12/27/2024	15:48	LB134133
	Selenium	482	500	96	90 - 110	P	12/27/2024	15:48	LB134133
	Silver	486	500	97	90 - 110	P	12/27/2024	15:48	LB134133
	Thallium	518	500	104	90 - 110	P	12/27/2024	15:48	LB134133
	Vanadium	510	500	102	90 - 110	P	12/27/2024	15:48	LB134133
	Zinc	4730	5000	95	90 - 110	P	12/27/2024	15:48	LB134133
CCV02	Antimony	502	500	100	90 - 110	P	12/27/2024	16:23	LB134133
	Arsenic	492	500	98	90 - 110	P	12/27/2024	16:23	LB134133
	Barium	2520	2500	101	90 - 110	P	12/27/2024	16:23	LB134133
	Beryllium	495	500	99	90 - 110	P	12/27/2024	16:23	LB134133
	Cadmium	476	500	95	90 - 110	P	12/27/2024	16:23	LB134133
	Chromium	501	500	100	90 - 110	P	12/27/2024	16:23	LB134133
	Copper	4790	5000	96	90 - 110	P	12/27/2024	16:23	LB134133
	Lead	2570	2500	103	90 - 110	P	12/27/2024	16:23	LB134133
	Nickel	470	500	94	90 - 110	P	12/27/2024	16:23	LB134133
	Selenium	482	500	96	90 - 110	P	12/27/2024	16:23	LB134133
	Silver	486	500	97	90 - 110	P	12/27/2024	16:23	LB134133
	Thallium	518	500	104	90 - 110	P	12/27/2024	16:23	LB134133
	Vanadium	506	500	101	90 - 110	P	12/27/2024	16:23	LB134133
	Zinc	4730	5000	94	90 - 110	P	12/27/2024	16:23	LB134133



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

Metals

- 2b -

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	0.17	0.2	85	40 - 160	CV	12/19/2024	12:07	LB134010
CRI	Antimony	2.18	2.0	109	70 - 130	P	12/23/2024	12:52	LB134070
	Arsenic	1.11	1.0	111	70 - 130	P	12/23/2024	12:52	LB134070
	Barium	10.4	10.0	104	70 - 130	P	12/23/2024	12:52	LB134070
	Beryllium	1.17	1.0	117	70 - 130	P	12/23/2024	12:52	LB134070
	Cadmium	0.99	1.0	99	70 - 130	P	12/23/2024	12:52	LB134070
	Chromium	2.11	2.0	106	70 - 130	P	12/23/2024	12:52	LB134070
	Copper	2.15	2.0	108	70 - 130	P	12/23/2024	12:52	LB134070
	Lead	0.96	1.0	96	70 - 130	P	12/23/2024	12:52	LB134070
	Nickel	1.09	1.0	109	70 - 130	P	12/23/2024	12:52	LB134070
	Selenium	5.23	5.0	105	70 - 130	P	12/23/2024	12:52	LB134070
	Silver	1.08	1.0	108	70 - 130	P	12/23/2024	12:52	LB134070
	Thallium	0.93	1.0	93	70 - 130	P	12/23/2024	12:52	LB134070
	Vanadium	5.37	5.0	107	70 - 130	P	12/23/2024	12:52	LB134070
	Zinc	5.68	5.0	114	50 - 150	P	12/23/2024	12:52	LB134070
CRI	Antimony	2.16	2.0	108	70 - 130	P	12/27/2024	15:54	LB134133
	Arsenic	1.07	1.0	107	70 - 130	P	12/27/2024	15:54	LB134133
	Barium	10.2	10.0	102	70 - 130	P	12/27/2024	15:54	LB134133
	Beryllium	1.13	1.0	113	70 - 130	P	12/27/2024	15:54	LB134133
	Cadmium	1.10	1.0	110	70 - 130	P	12/27/2024	15:54	LB134133
	Chromium	2.06	2.0	103	70 - 130	P	12/27/2024	15:54	LB134133
	Copper	2.09	2.0	104	70 - 130	P	12/27/2024	15:54	LB134133
	Lead	1.02	1.0	102	70 - 130	P	12/27/2024	15:54	LB134133
	Nickel	1.04	1.0	104	70 - 130	P	12/27/2024	15:54	LB134133
	Selenium	5.48	5.0	110	70 - 130	P	12/27/2024	15:54	LB134133
	Silver	1.07	1.0	107	70 - 130	P	12/27/2024	15:54	LB134133
	Thallium	1.01	1.0	101	70 - 130	P	12/27/2024	15:54	LB134133
	Vanadium	5.16	5.0	103	70 - 130	P	12/27/2024	15:54	LB134133
	Zinc	5.51	5.0	110	50 - 150	P	12/27/2024	15:54	LB134133



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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:	Nobis Group				SDG No.:	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
ICB25	Mercury	0.20	+/-0.20	U	0.16	0.20	CV	12/19/2024	12:00	LB134010

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
CCB46	Mercury	0.20	+/-0.20	U	0.16	0.20	CV	12/19/2024	12:05	LB134010
CCB47	Mercury	0.20	+/-0.20	U	0.16	0.20	CV	12/19/2024	13:01	LB134010
CCB48	Mercury	0.20	+/-0.20	U	0.16	0.20	CV	12/19/2024	13:38	LB134010
CCB49	Mercury	0.20	+/-0.20	U	0.16	0.20	CV	12/19/2024	14:02	LB134010
CCB50	Mercury	0.20	+/-0.20	U	0.16	0.20	CV	12/19/2024	14:30	LB134010

Metals

- 3a -

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
ICB01	Antimony	2.00	+/-2.00	U	0.25	2.00	P	12/23/2024	12:25	LB134070
	Arsenic	1.00	+/-1.00	U	0.25	1.00	P	12/23/2024	12:25	LB134070
	Barium	10.0	+/-10.0	U	1.25	10.0	P	12/23/2024	12:25	LB134070
	Beryllium	1.00	+/-1.00	U	0.25	1.00	P	12/23/2024	12:25	LB134070
	Cadmium	1.00	+/-1.00	U	0.50	1.00	P	12/23/2024	12:25	LB134070
	Chromium	2.00	+/-2.00	U	0.75	2.00	P	12/23/2024	12:25	LB134070
	Copper	2.00	+/-2.00	U	1.50	2.00	P	12/23/2024	12:25	LB134070
	Lead	1.00	+/-1.00	U	0.75	1.00	P	12/23/2024	12:25	LB134070
	Nickel	1.00	+/-1.00	U	0.25	1.00	P	12/23/2024	12:25	LB134070
	Selenium	5.00	+/-5.00	U	4.50	5.00	P	12/23/2024	12:25	LB134070
	Silver	1.00	+/-1.00	U	0.50	1.00	P	12/23/2024	12:25	LB134070
	Thallium	1.00	+/-1.00	U	0.50	1.00	P	12/23/2024	12:25	LB134070
	Vanadium	5.00	+/-5.00	U	0.25	5.00	P	12/23/2024	12:25	LB134070
	Zinc	5.00	+/-5.00	U	1.50	5.00	P	12/23/2024	12:25	LB134070

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
CCB01	Antimony	2.00	+/-2.00	U	0.25	2.00	P	12/23/2024	12:43	LB134070
	Arsenic	1.00	+/-1.00	U	0.25	1.00	P	12/23/2024	12:43	LB134070
	Barium	10.0	+/-10.0	U	1.25	10.0	P	12/23/2024	12:43	LB134070
	Beryllium	1.00	+/-1.00	U	0.25	1.00	P	12/23/2024	12:43	LB134070
	Cadmium	1.00	+/-1.00	U	0.50	1.00	P	12/23/2024	12:43	LB134070
	Chromium	2.00	+/-2.00	U	0.75	2.00	P	12/23/2024	12:43	LB134070
	Copper	2.00	+/-2.00	U	1.50	2.00	P	12/23/2024	12:43	LB134070
	Lead	1.00	+/-1.00	U	0.75	1.00	P	12/23/2024	12:43	LB134070
	Nickel	1.00	+/-1.00	U	0.25	1.00	P	12/23/2024	12:43	LB134070
	Selenium	5.00	+/-5.00	U	4.50	5.00	P	12/23/2024	12:43	LB134070
	Silver	1.00	+/-1.00	U	0.50	1.00	P	12/23/2024	12:43	LB134070
	Thallium	1.00	+/-1.00	U	0.50	1.00	P	12/23/2024	12:43	LB134070
	Vanadium	5.00	+/-5.00	U	0.25	5.00	P	12/23/2024	12:43	LB134070
	Zinc	5.00	+/-5.00	U	1.50	5.00	P	12/23/2024	12:43	LB134070
CCB02	Antimony	0.16	+/-2.00	J	0.25	2.00	P	12/23/2024	13:23	LB134070
	Arsenic	1.00	+/-1.00	U	0.25	1.00	P	12/23/2024	13:23	LB134070
	Barium	10.0	+/-10.0	U	1.25	10.0	P	12/23/2024	13:23	LB134070
	Beryllium	1.00	+/-1.00	U	0.25	1.00	P	12/23/2024	13:23	LB134070
	Cadmium	1.00	+/-1.00	U	0.50	1.00	P	12/23/2024	13:23	LB134070
	Chromium	2.00	+/-2.00	U	0.75	2.00	P	12/23/2024	13:23	LB134070
	Copper	2.00	+/-2.00	U	1.50	2.00	P	12/23/2024	13:23	LB134070
	Lead	0.27	+/-1.00	J	0.75	1.00	P	12/23/2024	13:23	LB134070
	Nickel	1.00	+/-1.00	U	0.25	1.00	P	12/23/2024	13:23	LB134070
	Selenium	5.00	+/-5.00	U	4.50	5.00	P	12/23/2024	13:23	LB134070
	Silver	1.00	+/-1.00	U	0.50	1.00	P	12/23/2024	13:23	LB134070
	Thallium	1.00	+/-1.00	U	0.50	1.00	P	12/23/2024	13:23	LB134070
	Vanadium	5.00	+/-5.00	U	0.25	5.00	P	12/23/2024	13:23	LB134070
	Zinc	5.00	+/-5.00	U	1.50	5.00	P	12/23/2024	13:23	LB134070
CCB03	Antimony	0.22	+/-2.00	J	0.25	2.00	P	12/23/2024	13:58	LB134070
	Arsenic	1.00	+/-1.00	U	0.25	1.00	P	12/23/2024	13:58	LB134070
	Barium	10.0	+/-10.0	U	1.25	10.0	P	12/23/2024	13:58	LB134070
	Beryllium	1.00	+/-1.00	U	0.25	1.00	P	12/23/2024	13:58	LB134070
	Cadmium	1.00	+/-1.00	U	0.50	1.00	P	12/23/2024	13:58	LB134070
	Chromium	2.00	+/-2.00	U	0.75	2.00	P	12/23/2024	13:58	LB134070
	Copper	2.00	+/-2.00	U	1.50	2.00	P	12/23/2024	13:58	LB134070
	Lead	0.17	+/-1.00	J	0.75	1.00	P	12/23/2024	13:58	LB134070
	Nickel	1.00	+/-1.00	U	0.25	1.00	P	12/23/2024	13:58	LB134070
	Selenium	5.00	+/-5.00	U	4.50	5.00	P	12/23/2024	13:58	LB134070
	Silver	1.00	+/-1.00	U	0.50	1.00	P	12/23/2024	13:58	LB134070

Metals

- 3a -

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
CCB03	Thallium	1.00	+/-1.00	U	0.50	1.00	P	12/23/2024	13:58	LB134070
	Vanadium	5.00	+/-5.00	U	0.25	5.00	P	12/23/2024	13:58	LB134070
	Zinc	5.00	+/-5.00	U	1.50	5.00	P	12/23/2024	13:58	LB134070

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
ICB01	Antimony	2.00	+/-2.00	U	0.25	2.00	P	12/27/2024	15:38	LB134133
	Arsenic	1.00	+/-1.00	U	0.25	1.00	P	12/27/2024	15:38	LB134133
	Barium	10.0	+/-10.0	U	1.25	10.0	P	12/27/2024	15:38	LB134133
	Beryllium	1.00	+/-1.00	U	0.25	1.00	P	12/27/2024	15:38	LB134133
	Cadmium	1.00	+/-1.00	U	0.50	1.00	P	12/27/2024	15:38	LB134133
	Chromium	2.00	+/-2.00	U	0.75	2.00	P	12/27/2024	15:38	LB134133
	Copper	2.00	+/-2.00	U	1.50	2.00	P	12/27/2024	15:38	LB134133
	Lead	1.00	+/-1.00	U	0.75	1.00	P	12/27/2024	15:38	LB134133
	Nickel	1.00	+/-1.00	U	0.25	1.00	P	12/27/2024	15:38	LB134133
	Selenium	5.00	+/-5.00	U	4.50	5.00	P	12/27/2024	15:38	LB134133
	Silver	1.00	+/-1.00	U	0.50	1.00	P	12/27/2024	15:38	LB134133
	Thallium	1.00	+/-1.00	U	0.50	1.00	P	12/27/2024	15:38	LB134133
	Vanadium	5.00	+/-5.00	U	0.25	5.00	P	12/27/2024	15:38	LB134133
	Zinc	5.00	+/-5.00	U	1.50	5.00	P	12/27/2024	15:38	LB134133

Metals

- 3a -

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
CCB01	Antimony	0.23	+/-2.00	J	0.25	2.00	P	12/27/2024	15:51	LB134133
	Arsenic	1.00	+/-1.00	U	0.25	1.00	P	12/27/2024	15:51	LB134133
	Barium	10.0	+/-10.0	U	1.25	10.0	P	12/27/2024	15:51	LB134133
	Beryllium	1.00	+/-1.00	U	0.25	1.00	P	12/27/2024	15:51	LB134133
	Cadmium	1.00	+/-1.00	U	0.50	1.00	P	12/27/2024	15:51	LB134133
	Chromium	2.00	+/-2.00	U	0.75	2.00	P	12/27/2024	15:51	LB134133
	Copper	2.00	+/-2.00	U	1.50	2.00	P	12/27/2024	15:51	LB134133
	Lead	0.21	+/-1.00	J	0.75	1.00	P	12/27/2024	15:51	LB134133
	Nickel	1.00	+/-1.00	U	0.25	1.00	P	12/27/2024	15:51	LB134133
	Selenium	5.00	+/-5.00	U	4.50	5.00	P	12/27/2024	15:51	LB134133
	Silver	1.00	+/-1.00	U	0.50	1.00	P	12/27/2024	15:51	LB134133
	Thallium	0.10	+/-1.00	J	0.50	1.00	P	12/27/2024	15:51	LB134133
	Vanadium	5.00	+/-5.00	U	0.25	5.00	P	12/27/2024	15:51	LB134133
	Zinc	5.00	+/-5.00	U	1.50	5.00	P	12/27/2024	15:51	LB134133
CCB02	Antimony	0.23	+/-2.00	J	0.25	2.00	P	12/27/2024	16:25	LB134133
	Arsenic	1.00	+/-1.00	U	0.25	1.00	P	12/27/2024	16:25	LB134133
	Barium	10.0	+/-10.0	U	1.25	10.0	P	12/27/2024	16:25	LB134133
	Beryllium	1.00	+/-1.00	U	0.25	1.00	P	12/27/2024	16:25	LB134133
	Cadmium	1.00	+/-1.00	U	0.50	1.00	P	12/27/2024	16:25	LB134133
	Chromium	2.00	+/-2.00	U	0.75	2.00	P	12/27/2024	16:25	LB134133
	Copper	2.00	+/-2.00	U	1.50	2.00	P	12/27/2024	16:25	LB134133
	Lead	0.26	+/-1.00	J	0.75	1.00	P	12/27/2024	16:25	LB134133
	Nickel	1.00	+/-1.00	U	0.25	1.00	P	12/27/2024	16:25	LB134133
	Selenium	5.00	+/-5.00	U	4.50	5.00	P	12/27/2024	16:25	LB134133
	Silver	0.080	+/-1.00	J	0.50	1.00	P	12/27/2024	16:25	LB134133
	Thallium	1.00	+/-1.00	U	0.50	1.00	P	12/27/2024	16:25	LB134133
	Vanadium	5.00	+/-5.00	U	0.25	5.00	P	12/27/2024	16:25	LB134133
	Zinc	5.00	+/-5.00	U	1.50	5.00	P	12/27/2024	16:25	LB134133

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Nobis Group

SDG No.: P5306

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB165737BL	WATER			Batch Number:	PB165737			Prep Date:	12/19/2024	
	Mercury	0.20	<0.20	U	0.16	0.20	CV	12/19/2024	13:17	LB134010
Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB165737TB	WATER			Batch Number:	PB165737			Prep Date:	12/19/2024	
	Mercury	0.20	<0.20	U	0.16	0.20	CV	12/19/2024	14:25	LB134010

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Nobis Group

SDG No.: P5306

Instrument: P7

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB165834BL	WATER			Batch Number:		PB165834		Prep Date:	12/18/2024	
	Antimony	1.00	<1.00	U	0.13	1.00	P	12/23/2024	12:56	LB134070
	Arsenic	0.50	<0.50	U	0.13	0.50	P	12/23/2024	12:56	LB134070
	Barium	5.00	<5.00	U	0.63	5.00	P	12/23/2024	12:56	LB134070
	Beryllium	0.50	<0.50	U	0.13	0.50	P	12/23/2024	12:56	LB134070
	Cadmium	0.50	<0.50	U	0.25	0.50	P	12/23/2024	12:56	LB134070
	Chromium	1.00	<1.00	U	0.38	1.00	P	12/23/2024	12:56	LB134070
	Copper	1.00	<1.00	U	0.75	1.00	P	12/23/2024	12:56	LB134070
	Lead	0.50	<0.50	U	0.38	0.50	P	12/23/2024	12:56	LB134070
	Nickel	0.50	<0.50	U	0.13	0.50	P	12/23/2024	12:56	LB134070
	Selenium	2.50	<2.50	U	2.25	2.50	P	12/23/2024	12:56	LB134070
	Silver	0.50	<0.50	U	0.25	0.50	P	12/23/2024	12:56	LB134070
	Thallium	0.50	<0.50	U	0.25	0.50	P	12/23/2024	12:56	LB134070
	Vanadium	2.50	<2.50	U	0.13	2.50	P	12/23/2024	12:56	LB134070
	Zinc	2.50	<2.50	U	0.75	2.50	P	12/23/2024	12:56	LB134070
Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB165834TB	WATER			Batch Number:		PB165834		Prep Date:	12/18/2024	
	Antimony	0.88	<1.00	J	0.13	1.00	P	12/23/2024	13:52	LB134070
	Arsenic	0.50	<0.50	U	0.13	0.50	P	12/23/2024	13:52	LB134070
	Barium	5.00	<5.00	U	0.63	5.00	P	12/23/2024	13:52	LB134070
	Beryllium	0.50	<0.50	U	0.13	0.50	P	12/23/2024	13:52	LB134070
	Cadmium	0.50	<0.50	U	0.25	0.50	P	12/23/2024	13:52	LB134070
	Chromium	1.00	<1.00	U	0.38	1.00	P	12/23/2024	13:52	LB134070
	Copper	1.00	<1.00	U	0.75	1.00	P	12/23/2024	13:52	LB134070
	Lead	0.070	<0.50	J	0.38	0.50	P	12/23/2024	13:52	LB134070
	Nickel	0.50	<0.50	U	0.13	0.50	P	12/23/2024	13:52	LB134070
	Selenium	2.50	<2.50	U	2.25	2.50	P	12/23/2024	13:52	LB134070
	Silver	0.50	<0.50	U	0.25	0.50	P	12/23/2024	13:52	LB134070
	Thallium	0.50	<0.50	U	0.25	0.50	P	12/23/2024	13:52	LB134070
	Vanadium	2.50	<2.50	U	0.13	2.50	P	12/23/2024	13:52	LB134070
	Zinc	0.37	<2.50	J	0.75	2.50	P	12/23/2024	13:52	LB134070

Metals
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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:** P7

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	Antimony	1.11	1.5	74	-2.5	5.5	12/23/2024	12:29	LB134070
	Arsenic	0.35	0.1	350	-1.9	2.1	12/23/2024	12:29	LB134070
	Barium	1.42	1.2	118	-18.8	21.2	12/23/2024	12:29	LB134070
	Beryllium	0.30			-2	2	12/23/2024	12:29	LB134070
	Cadmium	0.22	0.7	31	-1.3	2.7	12/23/2024	12:29	LB134070
	Chromium	20.8	21.0	99	17	25	12/23/2024	12:29	LB134070
	Copper	7.22	8.0	90	4	12	12/23/2024	12:29	LB134070
	Lead	4.56	4.0	114	2	6	12/23/2024	12:29	LB134070
	Nickel	5.46	6.0	91	4	8	12/23/2024	12:29	LB134070
	Selenium	0	0.3		-9.7	10	12/23/2024	12:29	LB134070
	Silver	0.040			-2	2	12/23/2024	12:29	LB134070
	Thallium	0.10			-2	2	12/23/2024	12:29	LB134070
	Vanadium	0.17	0.5	34	-9.5	10.5	12/23/2024	12:29	LB134070
	Zinc	11.4	11.0	104	7	15	12/23/2024	12:29	LB134070
ICSAB01	Antimony	20.8	22.0	94	18	26	12/23/2024	12:32	LB134070
	Arsenic	21.4	19.0	113	16.2	21.9	12/23/2024	12:32	LB134070
	Barium	21.1	22.0	96	2	42	12/23/2024	12:32	LB134070
	Beryllium	21.0	19.0	110	16.2	21.9	12/23/2024	12:32	LB134070
	Cadmium	19.5	20.0	98	17	23	12/23/2024	12:32	LB134070
	Chromium	41.0	40.0	102	34	46	12/23/2024	12:32	LB134070
	Copper	25.9	25.0	104	21	29	12/23/2024	12:32	LB134070
	Lead	23.2	25.0	93	21.3	28.8	12/23/2024	12:32	LB134070
	Nickel	25.2	24.0	105	20.4	27.6	12/23/2024	12:32	LB134070
	Selenium	20.3	19.0	107	9	29	12/23/2024	12:32	LB134070
	Silver	18.8	18.0	104	15.3	20.7	12/23/2024	12:32	LB134070
	Thallium	19.2	21.0	91	17.9	24.2	12/23/2024	12:32	LB134070
	Vanadium	20.4	19.0	107	9	29	12/23/2024	12:32	LB134070
	Zinc	31.5	29.0	109	25	33	12/23/2024	12:32	LB134070
ICSA01	Antimony	1.13	1.5	75	-2.5	5.5	12/27/2024	15:42	LB134133
	Arsenic	0.32	0.1	320	-1.9	2.1	12/27/2024	15:42	LB134133
	Barium	1.36	1.2	113	-18.8	21.2	12/27/2024	15:42	LB134133
	Beryllium	0.29			-2	2	12/27/2024	15:42	LB134133
	Cadmium	0.31	0.7	44	-1.3	2.7	12/27/2024	15:42	LB134133
	Chromium	19.8	21.0	94	17	25	12/27/2024	15:42	LB134133
	Copper	7.11	8.0	89	4	12	12/27/2024	15:42	LB134133
	Lead	4.48	4.0	112	2	6	12/27/2024	15:42	LB134133
	Nickel	5.24	6.0	87	4	8	12/27/2024	15:42	LB134133
	Selenium	0.26	0.3	87	-9.7	10	12/27/2024	15:42	LB134133
	Silver	0.040			-2	2	12/27/2024	15:42	LB134133
	Thallium	0.10			-2	2	12/27/2024	15:42	LB134133
	Vanadium	0.20	0.5	40	-9.5	10.5	12/27/2024	15:42	LB134133
	Zinc	10.9	11.0	99	7	15	12/27/2024	15:42	LB134133

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:** P7

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	Antimony	21.5	22.0	98	18	26	12/27/2024	15:45	LB134133
	Arsenic	21.8	19.0	115	16.2	21.9	12/27/2024	15:45	LB134133
	Barium	21.9	22.0	100	2	42	12/27/2024	15:45	LB134133
	Beryllium	21.2	19.0	112	16.2	21.9	12/27/2024	15:45	LB134133
	Cadmium	19.5	20.0	98	17	23	12/27/2024	15:45	LB134133
	Chromium	40.4	40.0	101	34	46	12/27/2024	15:45	LB134133
	Copper	26.4	25.0	106	21	29	12/27/2024	15:45	LB134133
	Lead	24.4	25.0	98	21.3	28.8	12/27/2024	15:45	LB134133
	Nickel	25.6	24.0	107	20.4	27.6	12/27/2024	15:45	LB134133
	Selenium	20.6	19.0	108	9	29	12/27/2024	15:45	LB134133
	Silver	19.6	18.0	109	15.3	20.7	12/27/2024	15:45	LB134133
	Thallium	20.7	21.0	99	17.9	24.2	12/27/2024	15:45	LB134133
	Vanadium	20.3	19.0	107	9	29	12/27/2024	15:45	LB134133
	Zinc	31.6	29.0	109	25	33	12/27/2024	15:45	LB134133



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: Water **sample id:** P5306-02 **client id:** OU4-VSL-07-121224MS
Percent Solids for Sample: NA **Spiked ID:** P5306-02MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	ug/L	85 - 117	285	D	0.60	JD	250	114		P
Arsenic	ug/L	84 - 116	248	D	3.57	D	250	98		P
Barium	ug/L	86 - 114	1490	D	106	D	1300	111		P
Beryllium	ug/L	83 - 121	304	D	1.85	JD	250	121		P
Cadmium	ug/L	87 - 115	308	D	2.50	UD	250	123	N	P
Chromium	ug/L	85 - 116	309	D	20.1	D	250	115		P
Copper	ug/L	85 - 118	2550	D	39.6	D	2500	100		P
Lead	ug/L	88 - 115	1200	D	2.78	D	1300	96		P
Nickel	ug/L	85 - 117	352	D	68.5	D	250	113		P
Mercury	ug/L	82 - 119	3.86		0.20	U	4.0	96		CV
Selenium	ug/L	80 - 120	283	D	25.0	UD	250	112		P
Silver	ug/L	85 - 116	0.53	JD	0.30	JD	250	0	N	P
Thallium	ug/L	82 - 116	296	D	0.25	JD	250	118	N	P
Vanadium	ug/L	86 - 115	895	D	624	D	250	109		P
Zinc	ug/L	83 - 119	2930	D	620	D	2500	93		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: Nobis Group **level:** low **sdg no.:** P5306
contract: NOBI03 **lab code:** CHEM **case no.:** P5306 **sas no.:** P5306
matrix: Water **sample id:** P5306-02 **client id:** OU4-VSL-07-121224MSD
Percent Solids for Sample: NA **Spiked ID:** P5306-02MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	ug/L	85 - 117	283	D	0.60	JD	250	113		P
Arsenic	ug/L	84 - 116	244	D	3.57	D	250	96		P
Barium	ug/L	86 - 114	1480	D	106	D	1300	110		P
Beryllium	ug/L	83 - 121	295	D	1.85	JD	250	117		P
Cadmium	ug/L	87 - 115	303	D	2.50	UD	250	121	N	P
Chromium	ug/L	85 - 116	302	D	20.1	D	250	113		P
Copper	ug/L	85 - 118	2530	D	39.6	D	2500	100		P
Lead	ug/L	88 - 115	1190	D	2.78	D	1300	95		P
Nickel	ug/L	85 - 117	343	D	68.5	D	250	110		P
Mercury	ug/L	82 - 119	3.92		0.20	U	4.0	98		CV
Selenium	ug/L	80 - 120	293	D	25.0	UD	250	116		P
Silver	ug/L	85 - 116	0.53	JD	0.30	JD	250	0	N	P
Thallium	ug/L	82 - 116	290	D	0.25	JD	250	116		P
Vanadium	ug/L	86 - 115	881	D	624	D	250	103		P
Zinc	ug/L	83 - 119	2900	D	620	D	2500	91		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: Water **Level:** LOW **Client ID:** OU4-VSL-07-121224A
Sample ID: P5306-02 **Spiked ID:** P5306-02A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cadmium	ug/L	87 - 115	307	D	2.50	UD	250	123		P
Silver	ug/L	85 - 116	0.55	JD	0.30	JD	250	0		P
Thallium	ug/L	82 - 116	291	D	0.25	JD	250	116		P

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Nobis Group **Level:** LOW **SDG No.:** P5306
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** P5306 **SAS No.:** P5306
Matrix: Water **Sample ID:** P5306-02 **Client ID:** OU4-VSL-07-121224DUP
Percent Solids for Sample: NA **Duplicate ID** P5306-02DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Antimony	ug/L	20	0.60	JD	5.00	UD	200		P
Arsenic	ug/L	20	3.57	D	3.65	D	2		P
Barium	ug/L	20	106	D	106	D	0		P
Beryllium	ug/L	20	1.85	JD	1.70	JD	8		P
Cadmium	ug/L	20	2.50	UD	2.50	UD			P
Chromium	ug/L	20	20.1	D	19.4	D	4		P
Copper	ug/L	20	39.6	D	38.5	D	3		P
Lead	ug/L	20	2.78	D	2.10	JD	28	*	P
Nickel	ug/L	20	68.5	D	68.0	D	1		P
Mercury	ug/L	20	0.20	U	0.20	U			CV
Selenium	ug/L	20	25.0	UD	25.0	UD			P
Silver	ug/L	20	0.30	JD	2.50	UD	200		P
Thallium	ug/L	20	0.25	JD	2.50	UD	200		P
Vanadium	ug/L	20	624	D	622	D	0		P
Zinc	ug/L	20	620	D	617	D	0		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: Water **Sample ID:** P5306-02MS **Client ID:** OU4-VSL-07-121224MSD
Percent Solids for Sample: NA **Duplicate ID** P5306-02MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Antimony	ug/L	20	285	D	283	D	1		P
Arsenic	ug/L	20	248	D	244	D	2		P
Barium	ug/L	20	1490	D	1480	D	1		P
Beryllium	ug/L	20	304	D	295	D	3		P
Cadmium	ug/L	20	308	D	303	D	2		P
Chromium	ug/L	20	309	D	302	D	2		P
Copper	ug/L	20	2550	D	2530	D	1		P
Lead	ug/L	20	1200	D	1190	D	1		P
Nickel	ug/L	20	352	D	343	D	3		P
Mercury	ug/L	20	3.86		3.92		2		CV
Selenium	ug/L	20	283	D	293	D	3		P
Silver	ug/L	20	0.53	JD	0.53	JD	0		P
Thallium	ug/L	20	296	D	290	D	2		P
Vanadium	ug/L	20	895	D	881	D	2		P
Zinc	ug/L	20	2930	D	2900	D	1		P

Metals

- 7 -

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
PB165737BS Mercury	ug/L	4.0	4.16		104	82 - 119	CV

Metals

- 7 -

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
PB165834BS							
Antimony	ug/L	250	257		103	85 - 117	P
Arsenic	ug/L	250	254		102	84 - 116	P
Barium	ug/L	1300	1280		98	86 - 114	P
Beryllium	ug/L	250	244		98	83 - 121	P
Cadmium	ug/L	250	251		100	87 - 115	P
Chromium	ug/L	250	250		100	85 - 116	P
Copper	ug/L	2500	2510		100	85 - 118	P
Lead	ug/L	1300	1220		94	88 - 115	P
Nickel	ug/L	250	241		96	85 - 117	P
Selenium	ug/L	250	251		100	80 - 120	P
Silver	ug/L	250	262		105	85 - 116	P
Thallium	ug/L	250	242		97	82 - 116	P
Vanadium	ug/L	250	249		100	86 - 115	P
Zinc	ug/L	2500	2530		101	83 - 119	P

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: Nobis Group

Contract: NOBI03

Lab Code: CHEM Case no.: P5306

Sas No.: P5306 SDG No.: P5306

Instrument ID: P7

Start Date : 12/23/2024

Run Number: LB134070

End Date : 12/23/2024

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q
S0	S0	1059	100		100		100		100		100	
S2	S2	1105	101		99		100		100		99	
S3	S3	1109	103		100		101		101		101	
S4	S4	1112	105		99		100		99		101	
S5	S5	1114	107		94		95		94		100	
S6	S6	1117	101		84		87		84		95	
S7	S7	1120	101		85		88		83		97	
S8	S8	1123	98		88		88		80		94	
ICV01	ICV01	1206	106		97		97		98		99	
LLICV01	LLICV01	1220	103		97		97		98		98	
ICB01	ICB01	1225	102		97		97		97		97	
ICSA01	ICSA01	1229	101		91		92		88		99	
ICSAB01	ICSAB01	1232	101		93		97		91		103	
CCV01	CCV01	1235	98		91		93		86		99	
CCB01	CCB01	1243	104		95		96		96		99	
CRI	CRI	1252	105		96		97		97		99	
PB165834BL	PB165834BL	1256	103		95		95		96		97	
PB165834BS	PB165834BS	1259	107		93		95		92		99	
P5306-02	OU4-VSL-07-	1302	98		90		118		88		98	
P5306-02DUP	OU4-VSL-07-	1305	98		93		122	*	91		100	
P5306-02L	OU4-VSL-07-	1308	101		97		105		98		104	
P5306-02MS	OU4-VSL-07-	1311	98		95		122	*	93		101	
P5306-02MSD	OU4-VSL-07-	1314	99		94		121	*	92		101	
P5306-02A	OU4-VSL-07-	1317	98		94		121	*	92		101	
CCV02	CCV02	1320	97		89		92		85		98	
CCB02	CCB02	1323	107		94		96		96		102	
P5306-04	OU4-VSL-08-	1327	101		92		114		91		99	
P5306-06	OU4-VSL-09-	1330	99		91		120		90		100	
P5306-08	OU4-VSL-10-	1333	99		95		123	*	94		103	
P5306-10	OU4-VSL-11-	1336	99		94		123	*	93		102	
P5306-12	OU4-VSL-12-	1339	99		97		117		95		103	
P5306-14	OU4-VSL-13-	1343	98		96		118		95		102	
P5306-16	OU4-VSL-14-	1346	99		97		117		96		103	
P5306-18	OU4-VSL-06R	1349	99		96		124	*	95		103	
PB165834TB	PB165834TB	1352	99		97		100		101		103	
CCV03	CCV03	1355	100		92		95		88		101	

Internal Standard %RI Limit: 30 - 120

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: Nobis Group

Contract: NOBI03

Lab Code: CHEM Case no.: P5306

Sas No.: P5306 SDG No.: P5306

Instrument ID: P7

Start Date : 12/23/2024

Run Number: LB134070

End Date : 12/23/2024

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q
CCB03	CCB03	1358	104		91		95		95		100	

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: Nobis Group

Contract: NOBI03

Lab Code: CHEM Case no.: P5306

Sas No.: P5306 SDG No.: P5306

Instrument ID: P7

Start Date : 12/23/2024

Run Number: LB134070

End Date : 12/23/2024

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q	Element 165Ho	Q
S0	S0	1059	100		100		100		100		100	
S2	S2	1105	101		100		100		102		101	
S3	S3	1109	100		99		99		101		101	
S4	S4	1112	97		97		97		101		102	
S5	S5	1114	85		87		88		96		97	
S6	S6	1117	82		86		85		96		97	
S7	S7	1120	82		86		84		96		97	
S8	S8	1123	88		88		80		95		96	
ICV01	ICV01	1206	95		95		96		99		100	
LLICV01	LLICV01	1220	97		97		97		98		99	
ICB01	ICB01	1225	97		97		97		98		99	
ICSA01	ICSA01	1229	87		90		86		98		100	
ICSAB01	ICSAB01	1232	89		92		89		100		101	
CCV01	CCV01	1235	88		89		84		96		98	
CCB01	CCB01	1243	91		93		95		100		100	
CRI	CRI	1252	94		96		97		100		100	
PB165834BL	PB165834BL	1256	95		96		97		100		100	
PB165834BS	PB165834BS	1259	87		89		88		98		98	
P5306-02	OU4-VSL-07-	1302	88		116		89		98		100	
P5306-02DUP	OU4-VSL-07-	1305	90		119		91		99		101	
P5306-02L	OU4-VSL-07-	1308	95		102		97		102		103	
P5306-02MS	OU4-VSL-07-	1311	89		116		90		99		101	
P5306-02MSD	OU4-VSL-07-	1314	90		115		90		100		100	
P5306-02A	OU4-VSL-07-	1317	90		116		91		100		101	
CCV02	CCV02	1320	87		90		84		97		99	
CCB02	CCB02	1323	89		93		95		100		101	
P5306-04	OU4-VSL-08-	1327	87		109		90		98		100	
P5306-06	OU4-VSL-09-	1330	86		117		89		99		101	
P5306-08	OU4-VSL-10-	1333	92		119		93		101		103	
P5306-10	OU4-VSL-11-	1336	89		116		91		100		102	
P5306-12	OU4-VSL-12-	1339	92		111		92		100		103	
P5306-14	OU4-VSL-13-	1343	91		112		93		101		102	
P5306-16	OU4-VSL-14-	1346	93		112		93		102		102	
P5306-18	OU4-VSL-06R	1349	90		117		91		100		101	
PB165834TB	PB165834TB	1352	94		98		99		101		103	
CCV03	CCV03	1355	87		89		84		97		99	

Internal Standard %RI Limit: 30 - 120

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: Nobis Group

Contract: NOBI03

Lab Code: CHEM Case no.: P5306

Sas No.: P5306 SDG No.: P5306

Instrument ID: P7

Start Date : 12/23/2024

Run Number: LB134070

End Date : 12/23/2024

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q	Element 165Ho	Q
CCB03	CCB03	1358	89		92		95		100		100	

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: Nobis Group

Contract: NOBI03

Lab Code: CHEM Case no.: P5306

Sas No.: P5306 SDG No.: P5306

Instrument ID: P7

Start Date : 12/27/2024

Run Number: LB134133

End Date : 12/27/2024

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q
S0	S0	1436	100		100		100		100		100	
S1	S1	1446	101		101		102		102		101	
S2	S2	1449	103		104		104		103		102	
S3	S3	1452	104		102		102		102		103	
S4	S4	1455	102		96		99		97		102	
S5	S5	1458	103		93		97		94		102	
S6	S6	1501	99		88		93		90		99	
S7	S7	1504	98		86		92		86		99	
S8	S8	1507	95		87		90		81		96	
ICV01	ICV01	1530	103		95		97		96		100	
LLICV	LLICV	1535	103		96		98		97		100	
ICB01	ICB01	1538	104		96		98		97		99	
ICSA01	ICSA01	1542	98		88		94		87		99	
ICSAB01	ICSAB01	1545	98		93		98		92		104	
CCV01	CCV01	1548	96		90		95		87		101	
CCB01	CCB01	1551	99		88		93		91		97	
CRI	CRI	1554	105		97		100		99		104	
P5306-02	OU4-VSL-07-	1557	101		95		109		96		104	
P5306-02DUP	OU4-VSL-07-	1601	99		97		109		97		103	
P5306-02L	OU4-VSL-07-	1604	103		101		106		102		106	
P5306-02MS	OU4-VSL-07-	1607	102		101		113		100		106	
P5306-02MSD	OU4-VSL-07-	1610	100		99		111		99		104	
P5306-02A	OU4-VSL-07-	1613	101		101		112		100		107	
P5306-08	OU4-VSL-10-	1616	101		100		114		100		106	
P5306-10	OU4-VSL-11-	1619	100		100		113		101		106	
CCV02	CCV02	1623	95		92		96		88		102	
CCB02	CCB02	1625	104		95		100		99		106	

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: Nobis Group

Contract: NOBI03

Lab Code: CHEM Case no.: P5306

Sas No.: P5306 SDG No.: P5306

Instrument ID: P7

Start Date : 12/27/2024

Run Number: LB134133

End Date : 12/27/2024

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q	Element 165Ho	Q
S0	S0	1436	100		100		100		100		100	
S1	S1	1446	103		103		103		102		101	
S2	S2	1449	102		102		103		102		101	
S3	S3	1452	98		99		99		100		100	
S4	S4	1455	92		94		95		99		99	
S5	S5	1458	86		90		90		98		98	
S6	S6	1501	82		87		87		97		97	
S7	S7	1504	82		87		85		97		97	
S8	S8	1507	87		88		80		93		94	
ICV01	ICV01	1530	89		92		94		97		97	
LLICV	LLICV	1535	94		96		96		97		97	
ICB01	ICB01	1538	96		96		98		99		98	
ICSA01	ICSA01	1542	87		92		89		100		100	
ICSAB01	ICSAB01	1545	90		93		91		101		101	
CCV01	CCV01	1548	88		91		86		98		98	
CCB01	CCB01	1551	93		96		99		103		102	
CRI	CRI	1554	94		96		99		102		102	
P5306-02	OU4-VSL-07-	1557	94		105		96		101		101	
P5306-02DUP	OU4-VSL-07-	1601	96		108		98		102		103	
P5306-02L	OU4-VSL-07-	1604	99		103		102		104		103	
P5306-02MS	OU4-VSL-07-	1607	96		106		98		102		102	
P5306-02MSD	OU4-VSL-07-	1610	97		107		98		103		103	
P5306-02A	OU4-VSL-07-	1613	97		107		99		104		103	
P5306-08	OU4-VSL-10-	1616	96		107		98		102		102	
P5306-10	OU4-VSL-11-	1619	98		109		100		104		104	
CCV02	CCV02	1623	88		91		86		98		98	
CCB02	CCB02	1625	92		96		98		102		102	

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: Nobis Group

Contract: NOBI03

Lab Code: CHEM Case no.: P5306

Sas No.: P5306 SDG No.: P5306

Instrument ID: P7

Start Date : 12/23/2024

Run Number: LB134070

End Date : 12/23/2024

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 165Ho	Q	Element 209Bi	Q	Element	Q	Element	Q	Element	Q
S0	S0	1059	100		100							
S2	S2	1105	100		101							
S3	S3	1109	101		102							
S4	S4	1112	101		103							
S5	S5	1114	100		103							
S6	S6	1117	96		98							
S7	S7	1120	98		99							
S8	S8	1123	95		88							
ICV01	ICV01	1206	99		102							
LLICV01	LLICV01	1220	97		100							
ICB01	ICB01	1225	97		101							
ICSA01	ICSA01	1229	98		98							
ICSAB01	ICSAB01	1232	103		100							
CCV01	CCV01	1235	100		96							
CCB01	CCB01	1243	99		105							
CRI	CRI	1252	98		104							
PB165834BL	PB165834BL	1256	98		103							
PB165834BS	PB165834BS	1259	100		103							
P5306-02	OU4-VSL-07-1	1302	99		100							
P5306-02DUP	OU4-VSL-07-1	1305	100		100							
P5306-02L	OU4-VSL-07-1	1308	104		106							
P5306-02MS	OU4-VSL-07-1	1311	102		101							
P5306-02MSD	OU4-VSL-07-1	1314	102		102							
P5306-02A	OU4-VSL-07-1	1317	102		103							
CCV02	CCV02	1320	99		98							
CCB02	CCB02	1323	101		108							
P5306-04	OU4-VSL-08-1	1327	101		102							
P5306-06	OU4-VSL-09-1	1330	101		102							
P5306-08	OU4-VSL-10-1	1333	103		103							
P5306-10	OU4-VSL-11-1	1336	103		103							
P5306-12	OU4-VSL-12-1	1339	103		103							
P5306-14	OU4-VSL-13-1	1343	103		103							
P5306-16	OU4-VSL-14-1	1346	103		103							
P5306-18	OU4-VSL-06R-1	1349	104		104							

Internal Standard %RI Limit: 30 -120

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: Nobis Group

Contract: NOBI03

Lab Code: CHEM Case no.: P5306

Sas No.: P5306 SDG No.: P5306

Instrument ID: P7

Start Date : 12/23/2024

Run Number: LB134070

End Date : 12/23/2024

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 165Ho	Q	Element 209Bi	Q	Element	Q	Element	Q	Element	Q
PB165834TB	PB165834TB	1352	103		107							
CCV03	CCV03	1355	102		100							
CCB03	CCB03	1358	100		107							

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: Nobis Group

Contract: NOBI03

Lab Code: CHEM Case no.: P5306

Sas No.: P5306 SDG No.: P5306

Instrument ID: P7

Start Date : 12/23/2024

Run Number: LB134070

End Date : 12/23/2024

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
S0	S0	1059	100									
S2	S2	1105	101									
S3	S3	1109	101									
S4	S4	1112	101									
S5	S5	1114	98									
S6	S6	1117	98									
S7	S7	1120	95									
S8	S8	1123	86									
ICV01	ICV01	1206	102									
LLICV01	LLICV01	1220	101									
ICB01	ICB01	1225	101									
ICSA01	ICSA01	1229	97									
ICSAB01	ICSAB01	1232	99									
CCV01	CCV01	1235	92									
CCB01	CCB01	1243	103									
CRI	CRI	1252	104									
PB165834BL	PB165834BL	1256	105									
PB165834BS	PB165834BS	1259	100									
P5306-02	OU4-VSL-07-1	1302	99									
P5306-02DUP	OU4-VSL-07-1	1305	100									
P5306-02L	OU4-VSL-07-1	1308	105									
P5306-02MS	OU4-VSL-07-1	1311	100									
P5306-02MSD	OU4-VSL-07-1	1314	99									
P5306-02A	OU4-VSL-07-1	1317	100									
CCV02	CCV02	1320	95									
CCB02	CCB02	1323	106									
P5306-04	OU4-VSL-08-1	1327	101									
P5306-06	OU4-VSL-09-1	1330	99									
P5306-08	OU4-VSL-10-1	1333	103									
P5306-10	OU4-VSL-11-1	1336	101									
P5306-12	OU4-VSL-12-1	1339	101									
P5306-14	OU4-VSL-13-1	1343	102									
P5306-16	OU4-VSL-14-1	1346	101									
P5306-18	OU4-VSL-06R-1	1349	102									

Internal Standard %RI Limit: 30 -120

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: Nobis Group

Contract: NOBI03

Lab Code: CHEM Case no.: P5306

Sas No.: P5306 SDG No.: P5306

Instrument ID: P7

Start Date : 12/23/2024

Run Number: LB134070

End Date : 12/23/2024

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
PB165834TB	PB165834TB	1352	106									
CCV03	CCV03	1355	95									
CCB03	CCB03	1358	107									

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: Nobis Group
Lab Code: CHEM Case no.: P5306
Instrument ID: P7
Run Number: LB134133

Contract: NOBI03
Sas No.: P5306 SDG No.: P5306
Start Date : 12/27/2024
End Date : 12/27/2024

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 165Ho	Q	Element 209Bi	Q	Element	Q	Element	Q	Element	Q
S0	S0	1436	100		100							
S1	S1	1446	103		102							
S2	S2	1449	103		102							
S3	S3	1452	103		102							
S4	S4	1455	102		104							
S5	S5	1458	102		104							
S6	S6	1501	99		102							
S7	S7	1504	100		100							
S8	S8	1507	97		89							
ICV01	ICV01	1530	100		103							
LLICV	LLICV	1535	100		101							
ICB01	ICB01	1538	99		101							
ICSA01	ICSA01	1542	101		98							
ICSAB01	ICSAB01	1545	105		102							
CCV01	CCV01	1548	102		97							
CCB01	CCB01	1551	99		102							
CRI	CRI	1554	105		107							
P5306-02	OU4-VSL-07-1	1557	104		103							
P5306-02DUP	OU4-VSL-07-1	1601	104		102							
P5306-02L	OU4-VSL-07-1	1604	107		107							
P5306-02MS	OU4-VSL-07-1	1607	107		105							
P5306-02MSD	OU4-VSL-07-1	1610	106		104							
P5306-02A	OU4-VSL-07-1	1613	108		106							
P5306-08	OU4-VSL-10-1	1616	107		104							
P5306-10	OU4-VSL-11-1	1619	107		104							
CCV02	CCV02	1623	103		98							
CCB02	CCB02	1625	106		110							

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: Nobis Group
Lab Code: CHEM Case no.: P5306
Instrument ID: P7
Run Number: LB134133

Contract: NOBI03
Sas No.: P5306 SDG No.: P5306
Start Date : 12/27/2024
End Date : 12/27/2024

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
S0	S0	1436	100									
S1	S1	1446	102									
S2	S2	1449	102									
S3	S3	1452	100									
S4	S4	1455	99									
S5	S5	1458	98									
S6	S6	1501	96									
S7	S7	1504	95									
S8	S8	1507	85									
ICV01	ICV01	1530	99									
LLICV	LLICV	1535	99									
ICB01	ICB01	1538	100									
ICSA01	ICSA01	1542	96									
ICSAB01	ICSAB01	1545	97									
CCV01	CCV01	1548	92									
CCB01	CCB01	1551	104									
CRI	CRI	1554	105									
P5306-02	OU4-VSL-07-1	1557	100									
P5306-02DUP	OU4-VSL-07-1	1601	101									
P5306-02L	OU4-VSL-07-1	1604	104									
P5306-02MS	OU4-VSL-07-1	1607	100									
P5306-02MSD	OU4-VSL-07-1	1610	101									
P5306-02A	OU4-VSL-07-1	1613	102									
P5306-08	OU4-VSL-10-1	1616	100									
P5306-10	OU4-VSL-11-1	1619	102									
CCV02	CCV02	1623	92									
CCB02	CCB02	1625	104									

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

OU4-VSL-07-121224L

Lab Name: Chemtech Consulting Group

Contract: NOBI03

Lab Code: CHEM **Lb No.:** lb134070

Lab Sample ID : P5306-02L

SDG No.: P5306

Matrix (soil/water): Water

Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Differ-ence	Q	M
		C		C			
Antimony	0.60	JD	25.0	UD	38		P
Arsenic	3.57	D	4.13	JD	15		P
Barium	106	D	106	JD	0		P
Beryllium	1.85	JD	12.5	UD	1		P
Cadmium	2.50	UD	12.5	UD	100		P
Chromium	20.1	D	20.3	JD	1		P
Copper	39.6	D	40.9	D	3		P
Lead	2.78	D	2.38	JD	14		P
Nickel	68.5	D	70.9	D	4		P
Mercury	0.20	U	1.00	U			CV
Selenium	25.0	UD	125	UD	105		P
Silver	0.30	JD	12.5	UD	58		P
Thallium	0.25	JD	12.5	UD	50		P
Vanadium	624	D	630	D	1		P
Zinc	620	D	652	D	5		P



METAL PREPARATION & INSTRUMENT DATA



METAL PREPARATION & ANALYICAL SUMMARY

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(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB165737							
P5306-02	OU4-VSL-07-121224	SAM	WATER	12/19/2024	30.0	30.0	
P5306-02DUP	OU4-VSL-07-121224DUP	DUP	WATER	12/19/2024	30.0	30.0	
P5306-02MS	OU4-VSL-07-121224MS	MS	WATER	12/19/2024	30.0	30.0	
P5306-02MSD	OU4-VSL-07-121224MSD	MSD	WATER	12/19/2024	30.0	30.0	
P5306-04	OU4-VSL-08-121224	SAM	WATER	12/19/2024	30.0	30.0	
P5306-06	OU4-VSL-09-121224	SAM	WATER	12/19/2024	30.0	30.0	
P5306-08	OU4-VSL-10-121224	SAM	WATER	12/19/2024	30.0	30.0	
P5306-10	OU4-VSL-11-121224	SAM	WATER	12/19/2024	30.0	30.0	
P5306-12	OU4-VSL-12-121224	SAM	WATER	12/19/2024	30.0	30.0	
P5306-14	OU4-VSL-13-121224	SAM	WATER	12/19/2024	30.0	30.0	
P5306-16	OU4-VSL-14-121224	SAM	WATER	12/19/2024	30.0	30.0	
PB165737BL	PB165737BL	MB	WATER	12/19/2024	30.0	30.0	
PB165737BS	PB165737BS	LCS	WATER	12/19/2024	30.0	30.0	
PB165737TB	PB165737TB	MB	WATER	12/19/2024	30.0	30.0	

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(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB165834							
P5306-02	OU4-VSL-07-121224	SAM	WATER	12/18/2024	50.0	25.0	
P5306-02DUP	OU4-VSL-07-121224DUP	DUP	WATER	12/18/2024	50.0	25.0	
P5306-02MS	OU4-VSL-07-121224MS	MS	WATER	12/18/2024	50.0	25.0	
P5306-02MSD	OU4-VSL-07-121224MSD	MSD	WATER	12/18/2024	50.0	25.0	
P5306-04	OU4-VSL-08-121224	SAM	WATER	12/18/2024	50.0	25.0	
P5306-06	OU4-VSL-09-121224	SAM	WATER	12/18/2024	50.0	25.0	
P5306-08	OU4-VSL-10-121224	SAM	WATER	12/18/2024	50.0	25.0	
P5306-10	OU4-VSL-11-121224	SAM	WATER	12/18/2024	50.0	25.0	
P5306-12	OU4-VSL-12-121224	SAM	WATER	12/18/2024	50.0	25.0	
P5306-14	OU4-VSL-13-121224	SAM	WATER	12/18/2024	50.0	25.0	
P5306-16	OU4-VSL-14-121224	SAM	WATER	12/18/2024	50.0	25.0	
P5306-18	OU4-VSL-06R-121224	SAM	WATER	12/18/2024	50.0	25.0	
PB165834BL	PB165834BL	MB	WATER	12/18/2024	50.0	25.0	
PB165834BS	PB165834BS	LCS	WATER	12/18/2024	50.0	25.0	
PB165834TB	PB165834TB	MB	WATER	12/18/2024	50.0	25.0	

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:** LB134010

Start date: 12/19/2024 **End date:** 12/19/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1139	HG
S0.2	S0.2	1	1142	HG
S2.5	S2.5	1	1144	HG
S5	S5	1	1148	HG
S7.5	S7.5	1	1150	HG
S10	S10	1	1155	HG
ICV25	ICV25	1	1158	HG
ICB25	ICB25	1	1200	HG
CCV46	CCV46	1	1203	HG
CCB46	CCB46	1	1205	HG
CRA	CRA	1	1207	HG
CCV47	CCV47	1	1258	HG
CCB47	CCB47	1	1301	HG
PB165737BL	PB165737BL	1	1317	HG
PB165737BS	PB165737BS	1	1319	HG
P5306-02	OU4-VSL-07-121224	1	1326	HG
P5306-02DUP	OU4-VSL-07-121224DUP	1	1328	HG
P5306-02MS	OU4-VSL-07-121224MS	1	1333	HG
CCV48	CCV48	1	1336	HG
CCB48	CCB48	1	1338	HG
P5306-02MSD	OU4-VSL-07-121224MSD	1	1340	HG
P5306-04	OU4-VSL-08-121224	1	1342	HG
P5306-06	OU4-VSL-09-121224	1	1345	HG
P5306-08	OU4-VSL-10-121224	1	1347	HG
P5306-10	OU4-VSL-11-121224	1	1349	HG
P5306-12	OU4-VSL-12-121224	1	1351	HG
P5306-14	OU4-VSL-13-121224	1	1354	HG
P5306-16	OU4-VSL-14-121224	1	1356	HG
CCV49	CCV49	1	1400	HG
CCB49	CCB49	1	1402	HG
P5306-02L	OU4-VSL-07-121224L	5	1414	HG
PB165737TB	PB165737TB	1	1425	HG
CCV50	CCV50	1	1428	HG
CCB50	CCB50	1	1430	HG

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:** LB134070

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

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1059	V,Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,Zn
S2	S2	1	1105	V,Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,Zn
S3	S3	1	1109	V,Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,Zn
S4	S4	1	1112	V,Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,Zn
S5	S5	1	1114	V,Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,Zn
S6	S6	1	1117	V,Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,Zn
S7	S7	1	1120	V,Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,Zn
S8	S8	1	1123	,
ICV01	ICV01	1	1206	V,Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,Zn
LLICV01	LLICV01	1	1220	V,Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,Zn
ICB01	ICB01	1	1225	V,Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,Zn
ICSA01	ICSA01	1	1229	V,Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,Zn
ICSAB01	ICSAB01	1	1232	V,Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,Zn
CCV01	CCV01	1	1235	V,Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,Zn
CCB01	CCB01	1	1243	V,Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,Zn
CRI	CRI	1	1252	V,Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,Zn
PB165834BL	PB165834BL	1	1256	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
PB165834BS	PB165834BS	1	1259	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
P5306-02	OU4-VSL-07-121224	5	1302	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Tl,V,Zn
P5306-02DUP	OU4-VSL-07-121224DUP	5	1305	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Tl,V,Zn
P5306-02L	OU4-VSL-07-121224L	25	1308	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Tl,V,Zn
P5306-02MS	OU4-VSL-07-121224MS	5	1311	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Tl,V,Zn
P5306-02MSD	OU4-VSL-07-121224MSD	5	1314	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Tl,V,Zn
P5306-02A	OU4-VSL-07-121224A	5	1317	Ag,Cd,Tl
CCV02	CCV02	1	1320	V,Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,Zn
CCB02	CCB02	1	1323	V,Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,Zn
P5306-04	OU4-VSL-08-121224	5	1327	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
P5306-06	OU4-VSL-09-121224	5	1330	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
P5306-08	OU4-VSL-10-121224	5	1333	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Tl,V,Zn
P5306-10	OU4-VSL-11-121224	5	1336	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Tl,V,Zn
P5306-12	OU4-VSL-12-121224	5	1339	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
P5306-14	OU4-VSL-13-121224	5	1343	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
P5306-16	OU4-VSL-14-121224	5	1346	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
P5306-18	OU4-VSL-06R-121224	5	1349	V
PB165834TB	PB165834TB	1	1352	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	1355	V,Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,Zn
CCB03	CCB03	1	1358	V,Ag,As,Ba,Be,Cd,Cr,Cu,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:** LB134133

Start date: 12/27/2024 **End date:** 12/27/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1436	V,Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,Zn
S1	S1	1	1446	V,Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,Zn
S2	S2	1	1449	V,Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,Zn
S3	S3	1	1452	V,Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,Zn
S4	S4	1	1455	V,Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,Zn
S5	S5	1	1458	V,Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,Zn
S6	S6	1	1501	V,Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,Zn
S7	S7	1	1504	V,Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,Zn
S8	S8	1	1507	,
ICV01	ICV01	1	1530	V,Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,Zn
LLICV	LLICV	1	1535	V,Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,Zn
ICB01	ICB01	1	1538	V,Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,Zn
ICSA01	ICSA01	1	1542	V,Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,Zn
ICSAB01	ICSAB01	1	1545	V,Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,Zn
CCV01	CCV01	1	1548	V,Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,Zn
CCB01	CCB01	1	1551	V,Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,Zn
CRI	CRI	1	1554	V,Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,Zn
P5306-02	OU4-VSL-07-121224	10	1557	Se
P5306-02DUP	OU4-VSL-07-121224DUP	10	1601	Se
P5306-02L	OU4-VSL-07-121224L	50	1604	Se
P5306-02MS	OU4-VSL-07-121224MS	10	1607	Se
P5306-02MSD	OU4-VSL-07-121224MSD	10	1610	Se
P5306-08	OU4-VSL-10-121224	10	1616	Se
P5306-10	OU4-VSL-11-121224	10	1619	Se
CCV02	CCV02	1	1623	V,Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,Zn
CCB02	CCB02	1	1625	V,Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,Zn