

LAB CHRONICLE

OrderID:	Q2259	OrderDate:	6/6/2025 10:57:00 AM
Client:	Nobis Group	Project:	Raymark Superfund Site
Contact:	Adam Roy	Location:	D21,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2259-01	OU4-PCS-TC-36-0605 25	SOIL			06/05/25			06/06/25
			Mercury	7471B		06/09/25	06/09/25	
			Metals ICP-TAL	6010D		06/09/25	06/10/25	
Q2259-02	OU4-PCS-TC-36-0605 25	Water			06/05/25			06/06/25
			SPLP Mercury	7470A		06/11/25	06/12/25	
			SPLP MetalGroup3	6020B		06/10/25	06/20/25	
Q2259-03	OU4-PCS-TC-37-0605 25	SOIL			06/05/25			06/06/25
			Mercury	7471B		06/09/25	06/09/25	
			Metals ICP-TAL	6010D		06/09/25	06/10/25	
Q2259-04	OU4-PCS-TC-37-0605 25	Water			06/05/25			06/06/25
			SPLP Mercury	7470A		06/11/25	06/12/25	
			SPLP MetalGroup3	6020B		06/10/25	06/20/25	
Q2259-05	OU4-TS-29-060525	SOIL			06/05/25			06/06/25
			Mercury	7471B		06/09/25	06/09/25	
			Metals ICP-TAL	6010D		06/09/25	06/10/25	
Q2259-06	OU4-TS-30-060525	SOIL			06/05/25			06/06/25
			Mercury	7471B		06/09/25	06/09/25	
			Metals ICP-TAL	6010D		06/09/25	06/10/25	

Hit Summary Sheet SW-846

SDG No.:	Q2259	Order ID:	Q2259
Client:	Nobis Group	Project ID:	Raymark Superfund Site

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : OU4-PCS-TC-36-060525									
Q2259-02	OU4-PCS-TC-36-060525	Water	Arsenic	2.25	JD	0.45	1.25	5.00	ug/L
Q2259-02	OU4-PCS-TC-36-060525	Water	Barium	84.3	D	1.05	6.25	50.0	ug/L
Q2259-02	OU4-PCS-TC-36-060525	Water	Chromium	6.30	JD	1.05	3.75	10.0	ug/L
Q2259-02	OU4-PCS-TC-36-060525	Water	Copper	44.9	D	1.50	7.50	10.0	ug/L
Q2259-02	OU4-PCS-TC-36-060525	Water	Nickel	62.2	D	1.35	3.75	5.00	ug/L
Q2259-02	OU4-PCS-TC-36-060525	Water	Mercury	0.23		0.076	0.16	0.20	ug/L
Q2259-02	OU4-PCS-TC-36-060525	Water	Vanadium	265	D	0.39	1.25	25.0	ug/L
Q2259-02	OU4-PCS-TC-36-060525	Water	Zinc	672	D	6.25	7.50	25.0	ug/L
Client ID : OU4-PCS-TC-37-060525									
Q2259-04	OU4-PCS-TC-37-060525	Water	Arsenic	2.10	JD	0.45	1.25	5.00	ug/L
Q2259-04	OU4-PCS-TC-37-060525	Water	Barium	94.6	D	1.05	6.25	50.0	ug/L
Q2259-04	OU4-PCS-TC-37-060525	Water	Chromium	7.10	JD	1.05	3.75	10.0	ug/L
Q2259-04	OU4-PCS-TC-37-060525	Water	Copper	95.0	D	1.50	7.50	10.0	ug/L
Q2259-04	OU4-PCS-TC-37-060525	Water	Nickel	61.7	D	1.35	3.75	5.00	ug/L
Q2259-04	OU4-PCS-TC-37-060525	Water	Vanadium	259	D	0.39	1.25	25.0	ug/L
Q2259-04	OU4-PCS-TC-37-060525	Water	Zinc	726	D	6.25	7.50	25.0	ug/L



SAMPLE DATA

Report of Analysis

Client:	Nobis Group	Date Collected:	06/05/25
Project:	Raymark Superfund Site	Date Received:	06/06/25
Client Sample ID:	OU4-PCS-TC-36-060525	SDG No.:	Q2259
Lab Sample ID:	Q2259-02	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	1.25	UD	5	0.55	1.25	10.0	ug/L	06/10/25 12:30	06/20/25 12:27	6020B	3010A
7440-38-2	Arsenic	2.25	JD	5	0.45	1.25	5.00	ug/L	06/10/25 12:30	06/20/25 12:27	6020B	3010A
7440-39-3	Barium	84.3	DN	5	1.05	6.25	50.0	ug/L	06/10/25 12:30	06/20/25 12:27	6020B	3010A
7440-41-7	Beryllium	3.75	UD	5	1.60	3.75	5.00	ug/L	06/10/25 12:30	06/20/25 12:27	6020B	3010A
7440-43-9	Cadmium	2.50	UD	5	1.70	2.50	5.00	ug/L	06/10/25 12:30	06/20/25 12:27	6020B	3010A
7440-47-3	Chromium	6.30	JD	5	1.05	3.75	10.0	ug/L	06/10/25 12:30	06/20/25 12:27	6020B	3010A
7440-50-8	Copper	44.9	D*	5	1.50	7.50	10.0	ug/L	06/10/25 12:30	06/20/25 12:27	6020B	3010A
7439-92-1	Lead	3.75	UDN5		1.05	3.75	5.00	ug/L	06/10/25 12:30	06/20/25 12:27	6020B	3010A
7439-97-6	Mercury	0.23	N	1	0.076	0.16	0.20	ug/L	06/11/25 11:05	06/12/25 10:32	7470A	
7440-02-0	Nickel	62.2	D	5	1.35	3.75	5.00	ug/L	06/10/25 12:30	06/20/25 12:27	6020B	3010A
7782-49-2	Selenium	22.5	UD	5	14.5	22.5	25.0	ug/L	06/10/25 12:30	06/20/25 12:27	6020B	3010A
7440-22-4	Silver	2.50	UDN5		0.30	2.50	5.00	ug/L	06/10/25 12:30	06/20/25 12:27	6020B	3010A
7440-28-0	Thallium	2.50	UDN5		0.30	2.50	5.00	ug/L	06/10/25 12:30	06/20/25 12:27	6020B	3010A
7440-62-2	Vanadium	265	D	5	0.39	1.25	25.0	ug/L	06/10/25 12:30	06/20/25 12:27	6020B	3010A
7440-66-6	Zinc	672	D	5	6.25	7.50	25.0	ug/L	06/10/25 12:30	06/20/25 12:27	6020B	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:	06/05/25
Project:	Raymark Superfund Site	Date Received:	06/06/25
Client Sample ID:	OU4-PCS-TC-37-060525	SDG No.:	Q2259
Lab Sample ID:	Q2259-04	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	1.25	UD	5	0.55	1.25	10.0	ug/L	06/10/25 12:30	06/20/25 12:30	6020B	3010A
7440-38-2	Arsenic	2.10	JD	5	0.45	1.25	5.00	ug/L	06/10/25 12:30	06/20/25 12:30	6020B	3010A
7440-39-3	Barium	94.6	DN	5	1.05	6.25	50.0	ug/L	06/10/25 12:30	06/20/25 12:30	6020B	3010A
7440-41-7	Beryllium	3.75	UD	5	1.60	3.75	5.00	ug/L	06/10/25 12:30	06/20/25 12:30	6020B	3010A
7440-43-9	Cadmium	2.50	UD	5	1.70	2.50	5.00	ug/L	06/10/25 12:30	06/20/25 12:30	6020B	3010A
7440-47-3	Chromium	7.10	JD	5	1.05	3.75	10.0	ug/L	06/10/25 12:30	06/20/25 12:30	6020B	3010A
7440-50-8	Copper	95.0	D*	5	1.50	7.50	10.0	ug/L	06/10/25 12:30	06/20/25 12:30	6020B	3010A
7439-92-1	Lead	3.75	UDN5		1.05	3.75	5.00	ug/L	06/10/25 12:30	06/20/25 12:30	6020B	3010A
7439-97-6	Mercury	0.16	UN	1	0.076	0.16	0.20	ug/L	06/11/25 11:05	06/12/25 10:35	7470A	
7440-02-0	Nickel	61.7	D	5	1.35	3.75	5.00	ug/L	06/10/25 12:30	06/20/25 12:30	6020B	3010A
7782-49-2	Selenium	22.5	UD	5	14.5	22.5	25.0	ug/L	06/10/25 12:30	06/20/25 12:30	6020B	3010A
7440-22-4	Silver	2.50	UDN5		0.30	2.50	5.00	ug/L	06/10/25 12:30	06/20/25 12:30	6020B	3010A
7440-28-0	Thallium	2.50	UDN5		0.30	2.50	5.00	ug/L	06/10/25 12:30	06/20/25 12:30	6020B	3010A
7440-62-2	Vanadium	259	D	5	0.39	1.25	25.0	ug/L	06/10/25 12:30	06/20/25 12:30	6020B	3010A
7440-66-6	Zinc	726	D	5	6.25	7.50	25.0	ug/L	06/10/25 12:30	06/20/25 12:30	6020B	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



METAL CALIBRATION DATA

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group **SDG No.:** Q2259
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** Q2259 **SAS No.:** Q2259
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
ICV35	Mercury	4.01	4.0	100	90 - 110	CV	06/12/2025	10:12	LB136124

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group SDG No.: Q2259

Contract: NOBI03 Lab Code: CHEM Case No.: Q2259 SAS No.: Q2259

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
CCV30	Mercury	4.64	5.0	93	90 - 110	CV	06/12/2025	10:16	LB136124
CCV31	Mercury	5.04	5.0	101	90 - 110	CV	06/12/2025	10:50	LB136124
CCV32	Mercury	4.71	5.0	94	90 - 110	CV	06/12/2025	11:17	LB136124
CCV33	Mercury	4.79	5.0	96	90 - 110	CV	06/12/2025	11:38	LB136124
CCV34	Mercury	4.89	5.0	98	90 - 110	CV	06/12/2025	11:58	LB136124

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group **SDG No.:** Q2259
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** Q2259 **SAS No.:** Q2259
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	193	200	96	90 - 110	P	06/20/2025	11:31	LB136217
	Arsenic	214	200	107	90 - 110	P	06/20/2025	11:31	LB136217
	Barium	99.2	100	99	90 - 110	P	06/20/2025	11:31	LB136217
	Beryllium	105	100	105	90 - 110	P	06/20/2025	11:31	LB136217
	Cadmium	109	100	109	90 - 110	P	06/20/2025	11:31	LB136217
	Chromium	103	100	103	90 - 110	P	06/20/2025	11:31	LB136217
	Copper	100	100	100	90 - 110	P	06/20/2025	11:31	LB136217
	Lead	182	200	91	90 - 110	P	06/20/2025	11:31	LB136217
	Nickel	116	110	105	90 - 110	P	06/20/2025	11:31	LB136217
	Selenium	207	200	103	90 - 110	P	06/20/2025	11:31	LB136217
	Silver	47.5	50.0	95	90 - 110	P	06/20/2025	11:31	LB136217
	Thallium	213	210	102	90 - 110	P	06/20/2025	11:31	LB136217
	Vanadium	97.4	100	97	90 - 110	P	06/20/2025	11:31	LB136217
	Zinc	199	200	99	90 - 110	P	06/20/2025	11:31	LB136217

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group **SDG No.:** Q2259
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** Q2259 **SAS No.:** Q2259
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	1.97	2.0	98	80 - 120	P	06/20/2025	11:39	LB136217
	Arsenic	1.12	1.0	112	80 - 120	P	06/20/2025	11:39	LB136217
	Barium	9.39	10.0	94	80 - 120	P	06/20/2025	11:39	LB136217
	Beryllium	1.07	1.0	107	80 - 120	P	06/20/2025	11:39	LB136217
	Cadmium	1.08	1.0	108	80 - 120	P	06/20/2025	11:39	LB136217
	Chromium	1.95	2.0	98	80 - 120	P	06/20/2025	11:39	LB136217
	Copper	1.96	2.0	98	80 - 120	P	06/20/2025	11:39	LB136217
	Lead	0.88	1.0	88	80 - 120	P	06/20/2025	11:39	LB136217
	Nickel	1.04	1.0	104	80 - 120	P	06/20/2025	11:39	LB136217
	Selenium	4.53	5.0	91	80 - 120	P	06/20/2025	11:39	LB136217
	Silver	1.00	1.0	100	80 - 120	P	06/20/2025	11:39	LB136217
	Thallium	0.86	1.0	86	80 - 120	P	06/20/2025	11:39	LB136217
	Vanadium	4.94	5.0	99	80 - 120	P	06/20/2025	11:39	LB136217
	Zinc	5.40	5.0	108	80 - 120	P	06/20/2025	11:39	LB136217

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group SDG No.: Q2259
 Contract: NOBI03 Lab Code: CHEM Case No.: Q2259 SAS No.: Q2259
 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	514	500	103	90 - 110	P	06/20/2025	12:08	LB136217
	Arsenic	493	500	99	90 - 110	P	06/20/2025	12:08	LB136217
	Barium	2600	2500	104	90 - 110	P	06/20/2025	12:08	LB136217
	Beryllium	501	500	100	90 - 110	P	06/20/2025	12:08	LB136217
	Cadmium	502	500	100	90 - 110	P	06/20/2025	12:08	LB136217
	Chromium	464	500	93	90 - 110	P	06/20/2025	12:08	LB136217
	Copper	4870	5000	97	90 - 110	P	06/20/2025	12:08	LB136217
	Lead	2510	2500	100	90 - 110	P	06/20/2025	12:08	LB136217
	Nickel	492	500	98	90 - 110	P	06/20/2025	12:08	LB136217
	Selenium	479	500	96	90 - 110	P	06/20/2025	12:08	LB136217
	Silver	534	500	107	90 - 110	P	06/20/2025	12:08	LB136217
	Thallium	510	500	102	90 - 110	P	06/20/2025	12:08	LB136217
	Vanadium	468	500	94	90 - 110	P	06/20/2025	12:08	LB136217
	Zinc	4780	5000	96	90 - 110	P	06/20/2025	12:08	LB136217
CCV02	Antimony	503	500	101	90 - 110	P	06/20/2025	12:46	LB136217
	Arsenic	476	500	95	90 - 110	P	06/20/2025	12:46	LB136217
	Barium	2510	2500	100	90 - 110	P	06/20/2025	12:46	LB136217
	Beryllium	486	500	97	90 - 110	P	06/20/2025	12:46	LB136217
	Cadmium	485	500	97	90 - 110	P	06/20/2025	12:46	LB136217
	Chromium	457	500	91	90 - 110	P	06/20/2025	12:46	LB136217
	Copper	4810	5000	96	90 - 110	P	06/20/2025	12:46	LB136217
	Lead	2460	2500	98	90 - 110	P	06/20/2025	12:46	LB136217
	Nickel	479	500	96	90 - 110	P	06/20/2025	12:46	LB136217
	Selenium	475	500	95	90 - 110	P	06/20/2025	12:46	LB136217
	Silver	514	500	103	90 - 110	P	06/20/2025	12:46	LB136217
	Thallium	499	500	100	90 - 110	P	06/20/2025	12:46	LB136217
	Vanadium	459	500	92	90 - 110	P	06/20/2025	12:46	LB136217
	Zinc	4760	5000	95	90 - 110	P	06/20/2025	12:46	LB136217
CCV03	Antimony	490	500	98	90 - 110	P	06/20/2025	13:23	LB136217
	Arsenic	482	500	96	90 - 110	P	06/20/2025	13:23	LB136217
	Barium	2500	2500	100	90 - 110	P	06/20/2025	13:23	LB136217
	Beryllium	498	500	100	90 - 110	P	06/20/2025	13:23	LB136217
	Cadmium	482	500	96	90 - 110	P	06/20/2025	13:23	LB136217
	Chromium	459	500	92	90 - 110	P	06/20/2025	13:23	LB136217

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group **SDG No.:** Q2259
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** Q2259 **SAS No.:** Q2259
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	4830	5000	97	90 - 110	P	06/20/2025	13:23	LB136217
	Lead	2490	2500	100	90 - 110	P	06/20/2025	13:23	LB136217
	Nickel	485	500	97	90 - 110	P	06/20/2025	13:23	LB136217
	Selenium	468	500	94	90 - 110	P	06/20/2025	13:23	LB136217
	Silver	512	500	102	90 - 110	P	06/20/2025	13:23	LB136217
	Thallium	510	500	102	90 - 110	P	06/20/2025	13:23	LB136217
	Vanadium	463	500	93	90 - 110	P	06/20/2025	13:23	LB136217
	Zinc	4760	5000	95	90 - 110	P	06/20/2025	13:23	LB136217



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

Metals

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CRDL STANDARD FOR AA & ICP

Client: Nobis Group **SDG No.:** Q2259
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** Q2259 **SAS No.:** Q2259
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	0.19	0.2	93	70 - 130	CV	06/12/2025	10:21	LB136124
CRI	Antimony	1.81	2.0	90	70 - 130	P	06/20/2025	12:14	LB136217
	Arsenic	1.03	1.0	103	70 - 130	P	06/20/2025	12:14	LB136217
	Barium	8.57	10.0	86	70 - 130	P	06/20/2025	12:14	LB136217
	Beryllium	0.99	1.0	99	70 - 130	P	06/20/2025	12:14	LB136217
	Cadmium	0.91	1.0	91	70 - 130	P	06/20/2025	12:14	LB136217
	Chromium	1.87	2.0	94	70 - 130	P	06/20/2025	12:14	LB136217
	Copper	1.93	2.0	96	70 - 130	P	06/20/2025	12:14	LB136217
	Lead	0.77	1.0	77	70 - 130	P	06/20/2025	12:14	LB136217
	Nickel	0.99	1.0	99	70 - 130	P	06/20/2025	12:14	LB136217
	Selenium	4.31	5.0	86	70 - 130	P	06/20/2025	12:14	LB136217
	Silver	1.00	1.0	100	70 - 130	P	06/20/2025	12:14	LB136217
	Thallium	0.90	1.0	90	70 - 130	P	06/20/2025	12:14	LB136217
	Vanadium	4.38	5.0	88	70 - 130	P	06/20/2025	12:14	LB136217
	Zinc	5.32	5.0	106	50 - 150	P	06/20/2025	12:14	LB136217



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

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:	Nobis Group				SDG No.:	Q2259				
Contract:	NOBI03	Lab Code:	CHEM	Case No.:	Q2259	SAS No.:	Q2259			
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB35	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	06/12/2025	10:14	LB136124

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Nobis Group **SDG No.:** Q2259
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** Q2259 **SAS No.:** Q2259

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB30	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	06/12/2025	10:19	LB136124
CCB31	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	06/12/2025	10:52	LB136124
CCB32	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	06/12/2025	11:20	LB136124
CCB33	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	06/12/2025	11:40	LB136124
CCB34	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	06/12/2025	12:01	LB136124

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Nobis Group **SDG No.:** Q2259
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** Q2259 **SAS No.:** Q2259

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Antimony	0.11	+/-1	U	0.25	2.00	P	06/20/2025	11:42	LB136217
	Arsenic	0.089	+/-0.5	U	0.25	1.00	P	06/20/2025	11:42	LB136217
	Barium	0.21	+/-5	U	1.25	10.0	P	06/20/2025	11:42	LB136217
	Beryllium	0.32	+/-0.5	U	0.75	1.00	P	06/20/2025	11:42	LB136217
	Cadmium	0.34	+/-0.5	U	0.50	1.00	P	06/20/2025	11:42	LB136217
	Chromium	0.21	+/-1	U	0.75	2.00	P	06/20/2025	11:42	LB136217
	Copper	0.30	+/-1	U	1.50	2.00	P	06/20/2025	11:42	LB136217
	Lead	0.21	+/-0.5	U	0.75	1.00	P	06/20/2025	11:42	LB136217
	Nickel	0.27	+/-0.5	U	0.75	1.00	P	06/20/2025	11:42	LB136217
	Selenium	2.90	+/-2.5	U	4.50	5.00	P	06/20/2025	11:42	LB136217
	Silver	0.060	+/-0.5	U	0.50	1.00	P	06/20/2025	11:42	LB136217
	Thallium	0.060	+/-0.5	U	0.50	1.00	P	06/20/2025	11:42	LB136217
	Vanadium	0.077	+/-2.5	U	0.25	5.00	P	06/20/2025	11:42	LB136217
	Zinc	1.25	+/-2.5	U	1.50	5.00	P	06/20/2025	11:42	LB136217

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Nobis Group		SDG No.: Q2259								
Contract:	NOBI03	Lab Code:	CHEM	Case No.:	Q2259	SAS No.:	Q2259			
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Antimony	0.11	+/-1	U	0.25	2.00	P	06/20/2025	12:11	LB136217
	Arsenic	0.089	+/-0.5	U	0.25	1.00	P	06/20/2025	12:11	LB136217
	Barium	0.21	+/-5	U	1.25	10.0	P	06/20/2025	12:11	LB136217
	Beryllium	0.32	+/-0.5	U	0.75	1.00	P	06/20/2025	12:11	LB136217
	Cadmium	0.34	+/-0.5	U	0.50	1.00	P	06/20/2025	12:11	LB136217
	Chromium	0.21	+/-1	U	0.75	2.00	P	06/20/2025	12:11	LB136217
	Copper	0.30	+/-1	U	1.50	2.00	P	06/20/2025	12:11	LB136217
	Lead	0.21	+/-0.5	U	0.75	1.00	P	06/20/2025	12:11	LB136217
	Nickel	0.27	+/-0.5	U	0.75	1.00	P	06/20/2025	12:11	LB136217
	Selenium	2.90	+/-2.5	U	4.50	5.00	P	06/20/2025	12:11	LB136217
	Silver	0.060	+/-0.5	U	0.50	1.00	P	06/20/2025	12:11	LB136217
	Thallium	0.060	+/-0.5	J	0.50	1.00	P	06/20/2025	12:11	LB136217
	Vanadium	0.077	+/-2.5	U	0.25	5.00	P	06/20/2025	12:11	LB136217
	Zinc	1.25	+/-2.5	U	1.50	5.00	P	06/20/2025	12:11	LB136217
CCB02	Antimony	0.11	+/-1	U	0.25	2.00	P	06/20/2025	12:49	LB136217
	Arsenic	0.089	+/-0.5	U	0.25	1.00	P	06/20/2025	12:49	LB136217
	Barium	0.21	+/-5	U	1.25	10.0	P	06/20/2025	12:49	LB136217
	Beryllium	0.32	+/-0.5	U	0.75	1.00	P	06/20/2025	12:49	LB136217
	Cadmium	0.34	+/-0.5	U	0.50	1.00	P	06/20/2025	12:49	LB136217
	Chromium	0.21	+/-1	U	0.75	2.00	P	06/20/2025	12:49	LB136217
	Copper	0.30	+/-1	U	1.50	2.00	P	06/20/2025	12:49	LB136217
	Lead	0.21	+/-0.5	U	0.75	1.00	P	06/20/2025	12:49	LB136217
	Nickel	0.27	+/-0.5	U	0.75	1.00	P	06/20/2025	12:49	LB136217
	Selenium	2.90	+/-2.5	U	4.50	5.00	P	06/20/2025	12:49	LB136217
	Silver	0.060	+/-0.5	U	0.50	1.00	P	06/20/2025	12:49	LB136217
	Thallium	0.060	+/-0.5	U	0.50	1.00	P	06/20/2025	12:49	LB136217
	Vanadium	0.077	+/-2.5	U	0.25	5.00	P	06/20/2025	12:49	LB136217
	Zinc	1.25	+/-2.5	U	1.50	5.00	P	06/20/2025	12:49	LB136217
CCB03	Antimony	0.11	+/-1	J	0.25	2.00	P	06/20/2025	13:25	LB136217
	Arsenic	0.089	+/-0.5	U	0.25	1.00	P	06/20/2025	13:25	LB136217
	Barium	0.21	+/-5	U	1.25	10.0	P	06/20/2025	13:25	LB136217
	Beryllium	0.32	+/-0.5	U	0.75	1.00	P	06/20/2025	13:25	LB136217
	Cadmium	0.34	+/-0.5	U	0.50	1.00	P	06/20/2025	13:25	LB136217
	Chromium	0.21	+/-1	U	0.75	2.00	P	06/20/2025	13:25	LB136217
	Copper	0.30	+/-1	U	1.50	2.00	P	06/20/2025	13:25	LB136217
	Lead	0.21	+/-0.5	U	0.75	1.00	P	06/20/2025	13:25	LB136217
	Nickel	0.27	+/-0.5	U	0.75	1.00	P	06/20/2025	13:25	LB136217
	Selenium	2.90	+/-2.5	U	4.50	5.00	P	06/20/2025	13:25	LB136217
	Silver	0.060	+/-0.5	U	0.50	1.00	P	06/20/2025	13:25	LB136217

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Nobis Group **SDG No.:** Q2259
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** Q2259 **SAS No.:** Q2259

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB03	Thallium	0.060	+/-0.5	U	0.50	1.00	P	06/20/2025	13:25	LB136217
	Vanadium	0.077	+/-2.5	U	0.25	5.00	P	06/20/2025	13:25	LB136217
	Zinc	1.25	+/-2.5	U	1.50	5.00	P	06/20/2025	13:25	LB136217

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Nobis Group

SDG No.: Q2259

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168424BL		WATER		Batch Number:		PB168424		Prep Date:	06/11/2025	
	Mercury	0.076	<0.2	U	0.16	0.20	CV	06/12/2025	10:28	LB136124
Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168424TB		WATER		Batch Number:		PB168424		Prep Date:	06/11/2025	
	Mercury	0.076	<0.2	U	0.16	0.20	CV	06/12/2025	11:42	LB136124

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Nobis Group

SDG No.: Q2259

Instrument: P7

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168389BL		WATER		Batch Number:		PB168389		Prep Date:	06/10/2025	
	Antimony	0.11	<1	U	0.25	2.00	P	06/20/2025	12:17	LB136217
	Arsenic	0.089	<0.5	U	0.25	1.00	P	06/20/2025	12:17	LB136217
	Barium	0.21	<5	U	1.25	10.0	P	06/20/2025	12:17	LB136217
	Beryllium	0.32	<0.5	U	0.75	1.00	P	06/20/2025	12:17	LB136217
	Cadmium	0.34	<0.5	U	0.50	1.00	P	06/20/2025	12:17	LB136217
	Chromium	0.21	<1	U	0.75	2.00	P	06/20/2025	12:17	LB136217
	Copper	0.30	<1	U	1.50	2.00	P	06/20/2025	12:17	LB136217
	Lead	0.21	<0.5	U	0.75	1.00	P	06/20/2025	12:17	LB136217
	Nickel	0.27	<0.5	U	0.75	1.00	P	06/20/2025	12:17	LB136217
	Selenium	2.90	<2.5	U	4.50	5.00	P	06/20/2025	12:17	LB136217
	Silver	0.060	<0.5	U	0.50	1.00	P	06/20/2025	12:17	LB136217
	Thallium	0.060	<0.5	U	0.50	1.00	P	06/20/2025	12:17	LB136217
	Vanadium	0.077	<2.5	U	0.25	5.00	P	06/20/2025	12:17	LB136217
	Zinc	1.25	<2.5	U	1.50	5.00	P	06/20/2025	12:17	LB136217
Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168389TB		WATER		Batch Number:		PB168389		Prep Date:	06/10/2025	
	Antimony	0.11	<1	U	0.25	2.00	P	06/20/2025	12:23	LB136217
	Arsenic	0.089	<0.5	U	0.25	1.00	P	06/20/2025	12:23	LB136217
	Barium	0.21	<5	U	1.25	10.0	P	06/20/2025	12:23	LB136217
	Beryllium	0.32	<0.5	U	0.75	1.00	P	06/20/2025	12:23	LB136217
	Cadmium	0.34	<0.5	U	0.50	1.00	P	06/20/2025	12:23	LB136217
	Chromium	0.21	<1	U	0.75	2.00	P	06/20/2025	12:23	LB136217
	Copper	0.30	<1	U	1.50	2.00	P	06/20/2025	12:23	LB136217
	Lead	0.21	<0.5	U	0.75	1.00	P	06/20/2025	12:23	LB136217
	Nickel	0.27	<0.5	U	0.75	1.00	P	06/20/2025	12:23	LB136217
	Selenium	2.90	<2.5	U	4.50	5.00	P	06/20/2025	12:23	LB136217
	Silver	0.060	<0.5	U	0.50	1.00	P	06/20/2025	12:23	LB136217
	Thallium	0.060	<0.5	U	0.50	1.00	P	06/20/2025	12:23	LB136217
	Vanadium	0.077	<2.5	U	0.25	5.00	P	06/20/2025	12:23	LB136217
	Zinc	1.25	<2.5	U	1.50	5.00	P	06/20/2025	12:23	LB136217

Metals
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INTERFERENCE CHECK SAMPLE

Client: <u>Nobis Group</u>	SDG No.: <u>Q2259</u>
Contract: <u>NOBI03</u>	Lab Code: <u>CHEM</u>
ICS Source: <u>EPA</u>	Case No.: <u>Q2259</u>
	SAS No.: <u>Q2259</u>
	Instrument ID: <u>P7</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	Antimony	1.12	1.5	75	-2.5	5.5	06/20/2025	11:46	LB136217
	Arsenic	0.36	0.1	360	-1.9	2.1	06/20/2025	11:46	LB136217
	Barium	1.38	1.2	115	-18.8	21.2	06/20/2025	11:46	LB136217
	Beryllium	0.27			-2	2	06/20/2025	11:46	LB136217
	Cadmium	0.27	0.7	39	-1.3	2.7	06/20/2025	11:46	LB136217
	Chromium	20.3	21.0	97	17	25	06/20/2025	11:46	LB136217
	Copper	9.12	8.0	114	4	12	06/20/2025	11:46	LB136217
	Lead	4.00	4.0	100	2	6	06/20/2025	11:46	LB136217
	Nickel	5.77	6.0	96	4	8	06/20/2025	11:46	LB136217
	Selenium	0.19	0.3	63	-9.7	10	06/20/2025	11:46	LB136217
	Silver	0.11			-2	2	06/20/2025	11:46	LB136217
	Thallium	0.050			-2	2	06/20/2025	11:46	LB136217
ICSAB01	Vanadium	0.17	0.5	34	-9.5	10.5	06/20/2025	11:46	LB136217
	Zinc	11.4	11.0	104	1	21	06/20/2025	11:46	LB136217
	Antimony	19.8	22.0	90	18	26	06/20/2025	12:03	LB136217
	Arsenic	20.7	19.0	109	16.2	21.9	06/20/2025	12:03	LB136217
	Barium	19.7	22.0	90	2	42	06/20/2025	12:03	LB136217
	Beryllium	18.9	19.0	100	16.2	21.9	06/20/2025	12:03	LB136217
	Cadmium	19.7	20.0	98	17	23	06/20/2025	12:03	LB136217
	Chromium	38.8	40.0	97	34	46	06/20/2025	12:03	LB136217
	Copper	27.2	25.0	109	21	29	06/20/2025	12:03	LB136217
	Lead	25.2	25.0	101	21.3	28.8	06/20/2025	12:03	LB136217
	Nickel	26.6	24.0	111	20.4	27.6	06/20/2025	12:03	LB136217
	Selenium	19.3	19.0	102	9	29	06/20/2025	12:03	LB136217
	Silver	19.0	18.0	106	15.3	20.7	06/20/2025	12:03	LB136217
	Thallium	18.1	21.0	86	17.9	24.2	06/20/2025	12:03	LB136217
	Vanadium	19.4	19.0	102	9	29	06/20/2025	12:03	LB136217
	Zinc	30.1	29.0	104	19	39	06/20/2025	12:03	LB136217



METAL QC DATA

metals
- 5a -
MATRIX SPIKE SUMMARY

client: <u>Nobis Group</u>	level: <u>low</u>	sdg no.: <u>Q2259</u>
contract: <u>NOBI03</u>	lab code: <u>CHEM</u>	case no.: <u>Q2259</u> sas no.: <u>Q2259</u>
matrix: <u>Water</u>	sample id: <u>Q2259-04</u>	client id: <u>OU4-PCS-TC-37-060525MS</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q2259-04MS</u>	Percent Solids for Spike Sample: <u>NA</u>

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	ug/L	85 - 117	450	D	10.0	UD	500	90		P
Arsenic	ug/L	84 - 116	526	D	2.10	JD	500	105		P
Barium	ug/L	86 - 114	2030	D	94.6	D	2500	78	N	P
Beryllium	ug/L	83 - 121	457	D	5.00	UD	500	91		P
Cadmium	ug/L	87 - 115	490	D	5.00	UD	500	98		P
Chromium	ug/L	85 - 116	452	D	7.10	JD	500	89		P
Copper	ug/L	85 - 118	4990	D	95.0	D	5000	98		P
Lead	ug/L	88 - 115	2150	D	5.00	UD	2500	86	N	P
Nickel	ug/L	85 - 117	544	D	61.7	D	500	96		P
Mercury	ug/L	82 - 119	3.41		0.20	U	4.0	85		CV
Selenium	ug/L	80 - 120	441	D	25.0	UD	500	88		P
Silver	ug/L	85 - 116	82.0	D	5.00	UD	500	16	N	P
Thallium	ug/L	82 - 116	404	D	5.00	UD	500	81	N	P
Vanadium	ug/L	86 - 115	705	D	259	D	500	89		P
Zinc	ug/L	83 - 119	5230	D	726	D	5000	90		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: <u>Nobis Group</u>	level: <u>low</u>	sdg no.: <u>Q2259</u>
contract: <u>NOBI03</u>	lab code: <u>CHEM</u>	case no.: <u>Q2259</u> sas no.: <u>Q2259</u>
matrix: <u>Water</u>	sample id: <u>Q2259-04</u>	client id: <u>OU4-PCS-TC-37-060525MSD</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q2259-04MSD</u>	Percent Solids for Spike Sample: <u>NA</u>

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	ug/L	85 - 117	448	D	10.0	UD	500	90		P
Arsenic	ug/L	84 - 116	473	D	2.10	JD	500	94		P
Barium	ug/L	86 - 114	2020	D	94.6	D	2500	77	N	P
Beryllium	ug/L	83 - 121	453	D	5.00	UD	500	90		P
Cadmium	ug/L	87 - 115	486	D	5.00	UD	500	97		P
Chromium	ug/L	85 - 116	447	D	7.10	JD	500	88		P
Copper	ug/L	85 - 118	4940	D	95.0	D	5000	97		P
Lead	ug/L	88 - 115	2150	D	5.00	UD	2500	86	N	P
Nickel	ug/L	85 - 117	548	D	61.7	D	500	97		P
Mercury	ug/L	82 - 119	3.20		0.20	U	4.0	80	N	CV
Selenium	ug/L	80 - 120	446	D	25.0	UD	500	89		P
Silver	ug/L	85 - 116	81.9	D	5.00	UD	500	16	N	P
Thallium	ug/L	82 - 116	406	D	5.00	UD	500	81	N	P
Vanadium	ug/L	86 - 115	699	D	259	D	500	88		P
Zinc	ug/L	83 - 119	5240	D	726	D	5000	90		P

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: <u>Nobis Group</u>	SDG No.: <u>Q2259</u>	
Contract: <u>NOBI03</u>	Lab Code: <u>CHEM</u>	Case No.: <u>Q2259</u> SAS No.: <u>Q2259</u>
Matrix: <u>Water</u>	Level: <u>LOW</u>	Client ID: <u>OU4-PCS-TC-37-060525A</u>
Sample ID: <u>Q2259-04</u>	Spiked ID: <u>Q2259-04A</u>	

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Barium	ug/L	86 - 114	2000	D	94.6	D	2500	76	N	P
Lead	ug/L	88 - 115	2150	D	5.00	UD	2500	86	N	P
Mercury	ug/L	82 - 119	3.15		0.20	U	4.00	79	N	CV
Silver	ug/L	85 - 116	493	D	5.00	UD	500	99		P
Thallium	ug/L	82 - 116	402	D	5.00	UD	500	80	N	P

Metals

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DUPLICATE SAMPLE SUMMARY

Client: Nobis Group **Level:** LOW **SDG No.:** Q2259
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** Q2259 **SAS No.:** Q2259
Matrix: Water **Sample ID:** Q2259-04 **Client ID:** OU4-PCS-TC-37-060525DUP
Percent Solids for Sample: NA **Duplicate ID** Q2259-04DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Antimony	ug/L	20	10.0	UD	10.0	UD			P
Arsenic	ug/L	20	2.10	JD	1.85	JD	13		P
Barium	ug/L	20	94.6	D	95.5	D	1		P
Beryllium	ug/L	20	5.00	UD	5.00	UD			P
Cadmium	ug/L	20	5.00	UD	5.00	UD			P
Chromium	ug/L	20	7.10	JD	6.10	JD	15		P
Copper	ug/L	20	95.0	D	52.7	D	57	*	P
Lead	ug/L	20	5.00	UD	5.00	UD			P
Nickel	ug/L	20	61.7	D	60.9	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	5.00	UD	5.00	UD			P
Thallium	ug/L	20	5.00	UD	5.00	UD			P
Vanadium	ug/L	20	259	D	259	D	0		P
Zinc	ug/L	20	726	D	727	D	0		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client: Nobis Group **Level:** LOW **SDG No.:** Q2259
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** Q2259 **SAS No.:** Q2259
Matrix: Water **Sample ID:** Q2259-04MS **Client ID:** OU4-PCS-TC-37-060525MSD
Percent Solids for Sample: NA **Duplicate ID** Q2259-04MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Antimony	ug/L	20	450	D	448	D	0		P
Arsenic	ug/L	20	526	D	473	D	11		P
Barium	ug/L	20	2030	D	2020	D	0		P
Beryllium	ug/L	20	457	D	453	D	1		P
Cadmium	ug/L	20	490	D	486	D	1		P
Chromium	ug/L	20	452	D	447	D	1		P
Copper	ug/L	20	4990	D	4940	D	1		P
Lead	ug/L	20	2150	D	2150	D	0		P
Nickel	ug/L	20	544	D	548	D	1		P
Mercury	ug/L	20	3.41		3.20		6		CV
Selenium	ug/L	20	441	D	446	D	1		P
Silver	ug/L	20	82.0	D	81.9	D	0		P
Thallium	ug/L	20	404	D	406	D	0		P
Vanadium	ug/L	20	705	D	699	D	1		P
Zinc	ug/L	20	5230	D	5240	D	0		P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Nobis Group **SDG No.:** Q2259
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** Q2259 **SAS No.:** Q2259

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168389BS							
Antimony	ug/L	500	498		100	85 - 117	P
Arsenic	ug/L	500	495		99	84 - 116	P
Barium	ug/L	2500	2490		100	86 - 114	P
Beryllium	ug/L	500	491		98	83 - 121	P
Cadmium	ug/L	500	505		101	87 - 115	P
Chromium	ug/L	500	466		93	85 - 116	P
Copper	ug/L	5000	5010		100	85 - 118	P
Lead	ug/L	2500	2420		97	88 - 115	P
Nickel	ug/L	500	504		101	85 - 117	P
Selenium	ug/L	500	498		100	80 - 120	P
Silver	ug/L	500	509		102	85 - 116	P
Thallium	ug/L	500	488		98	82 - 116	P
Vanadium	ug/L	500	461		92	86 - 115	P
Zinc	ug/L	5000	5120		102	83 - 119	P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Nobis Group **SDG No.:** Q2259
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** Q2259 **SAS No.:** Q2259

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168424BS Mercury	ug/L	4.0	3.55		89	82 - 119	CV

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: Nobis Group

Contract: NOBI03

Lab Code: CHEM Case no.: Q2259

Sas No.: Q2259 SDG No.: Q2259

Instrument ID: P7

Start Date : 06/20/2025

Run Number: LB136217

End Date : 06/20/2025

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	1030	100		100		100		100		100	
S2	S2	1034	100		100		101		100		99	
S3	S3	1040	102		100		100		100		99	
S4	S4	1044	100		96		97		97		97	
S5	S5	1047	100		94		95		96		99	
S6	S6	1050	103		96		99		97		102	
S7	S7	1053	103		98		101		98		104	
S8	S8	1055	100		100		101		92		100	
ICV01	ICV01	1131	98		105		105		104		102	
LLICV01	LLICV01	1139	97		102		103		101		98	
ICB01	ICB01	1142	97		100		101		100		98	
ICSA01	ICSA01	1146	102		102		103		99		103	
ICSAB01	ICSAB01	1203	97		100		102		99		103	
CCV01	CCV01	1208	95		99		99		92		98	
CCB01	CCB01	1211	96		98		100		100		100	
CRI	CRI	1214	95		99		101		100		100	
PB168389BL	PB168389BL	1217	97		102		102		101		101	
PB168389BS	PB168389BS	1221	98		102		103		101		103	
PB168389TB	PB168389TB	1223	97		99		101		101		100	
Q2259-02	OU4-PCS-TC-	1227	98		103		113		102		104	
Q2259-04	OU4-PCS-TC-	1230	98		103		114		103		105	
Q2259-04DUP	OU4-PCS-TC-	1233	98		102		112		100		104	
Q2259-04L	OU4-PCS-TC-	1236	97		101		105		100		101	
CCV02	CCV02	1246	98		99		99		94		99	
CCB02	CCB02	1249	101		100		102		101		102	
Q2259-04MS	OU4-PCS-TC-	1302	99		101		112		101		103	
Q2259-04MSD	OU4-PCS-TC-	1305	96		98		108		98		100	
Q2259-04A	OU4-PCS-TC-	1319	98		102		114		102		104	
CCV03	CCV03	1323	98		102		103		96		103	
CCB03	CCB03	1325	99		100		102		100		100	

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: Nobis Group

Contract: NOBI03

Lab Code: CHEM Case no.: Q2259

Sas No.: Q2259 SDG No.: Q2259

Instrument ID: P7

Start Date : 06/20/2025

Run Number: LB136217

End Date : 06/20/2025

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	1030	100		100		100		100		100	
S2	S2	1034	101		100		101		101		100	
S3	S3	1040	102		101		100		100		100	
S4	S4	1044	99		98		99		99		100	
S5	S5	1047	98		96		96		99		98	
S6	S6	1050	102		100		99		102		102	
S7	S7	1053	102		102		100		104		103	
S8	S8	1055	104		103		94		101		103	
ICV01	ICV01	1131	104		107		105		104		104	
LLICV01	LLICV01	1139	101		102		103		100		100	
ICB01	ICB01	1142	101		103		103		99		100	
ICSA01	ICSA01	1146	103		103		101		103		103	
ICSAB01	ICSAB01	1203	101		103		101		103		102	
CCV01	CCV01	1208	100		100		97		100		100	
CCB01	CCB01	1211	100		102		103		101		100	
CRI	CRI	1214	102		105		104		102		102	
PB168389BL	PB168389BL	1217	101		103		105		101		102	
PB168389BS	PB168389BS	1221	103		104		102		102		102	
PB168389TB	PB168389TB	1223	99		101		103		100		100	
Q2259-02	OU4-PCS-TC-	1227	103		113		104		104		104	
Q2259-04	OU4-PCS-TC-	1230	103		113		103		104		103	
Q2259-04DUP	OU4-PCS-TC-	1233	102		112		104		103		103	
Q2259-04L	OU4-PCS-TC-	1236	101		105		103		102		102	
CCV02	CCV02	1246	101		102		96		100		99	
CCB02	CCB02	1249	101		104		104		102		101	
Q2259-04MS	OU4-PCS-TC-	1302	100		110		102		103		101	
Q2259-04MSD	OU4-PCS-TC-	1305	99		109		100		101		100	
Q2259-04A	OU4-PCS-TC-	1319	101		112		103		103		103	
CCV03	CCV03	1323	103		102		98		102		102	
CCB03	CCB03	1325	101		104		103		103		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.: Q2259

Sas No.: Q2259 SDG No.: Q2259

Instrument ID: P7

Start Date : 06/20/2025

Run Number: LB136217

End Date : 06/20/2025

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	1030	100		100							
S2	S2	1034	99		100							
S3	S3	1040	100		101							
S4	S4	1044	98		100							
S5	S5	1047	99		100							
S6	S6	1050	102		105							
S7	S7	1053	104		104							
S8	S8	1055	102		94							
ICV01	ICV01	1131	103		101							
LLICV01	LLICV01	1139	100		99							
ICB01	ICB01	1142	97		97							
ICSA01	ICSA01	1146	106		102							
ICSAB01	ICSAB01	1203	103		99							
CCV01	CCV01	1208	101		95							
CCB01	CCB01	1211	101		101							
CRI	CRI	1214	100		100							
PB168389BL	PB168389BL	1217	102		102							
PB168389BS	PB168389BS	1221	104		102							
PB168389TB	PB168389TB	1223	102		102							
Q2259-02	OU4-PCS-TC-3	1227	105		102							
Q2259-04	OU4-PCS-TC-3	1230	106		102							
Q2259-04DUP	OU4-PCS-TC-3	1233	104		102							
Q2259-04L	OU4-PCS-TC-3	1236	102		100							
CCV02	CCV02	1246	103		97							
CCB02	CCB02	1249	103		102							
Q2259-04MS	OU4-PCS-TC-3	1302	106		103							
Q2259-04MSD	OU4-PCS-TC-3	1305	101		99							
Q2259-04A	OU4-PCS-TC-3	1319	104		103							
CCV03	CCV03	1323	103		96							
CCB03	CCB03	1325	102		104							

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: Nobis Group

Contract: NOBI03

Lab Code: CHEM Case no.: Q2259

Sas No.: Q2259 SDG No.: Q2259

Instrument ID: P7

Start Date : 06/20/2025

Run Number: LB136217

End Date : 06/20/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
S0	S0	1030	100									
S2	S2	1034	100									
S3	S3	1040	99									
S4	S4	1044	98									
S5	S5	1047	98									
S6	S6	1050	100									
S7	S7	1053	100									
S8	S8	1055	91									
ICV01	ICV01	1131	104									
LLICV01	LLICV01	1139	101									
ICB01	ICB01	1142	101									
ICSA01	ICSA01	1146	100									
ICSAB01	ICSAB01	1203	98									
CCV01	CCV01	1208	92									
CCB01	CCB01	1211	100									
CRI	CRI	1214	102									
PB168389BL	PB168389BL	1217	100									
PB168389BS	PB168389BS	1221	100									
PB168389TB	PB168389TB	1223	100									
Q2259-02	OU4-PCS-TC-3	1227	101									
Q2259-04	OU4-PCS-TC-3	1230	101									
Q2259-04DUP	OU4-PCS-TC-3	1233	100									
Q2259-04L	OU4-PCS-TC-3	1236	101									
CCV02	CCV02	1246	92									
CCB02	CCB02	1249	102									
Q2259-04MS	OU4-PCS-TC-3	1302	99									
Q2259-04MSD	OU4-PCS-TC-3	1305	98									
Q2259-04A	OU4-PCS-TC-3	1319	100									
CCV03	CCV03	1323	94									
CCB03	CCB03	1325	102									

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

OU4-PCS-TC-37-060525L

Lab Name: Chemtech Consulting Group

Contract: NOBI03

Lab Code: CHEM **Lb No.:** lb136217

Lab Sample ID : Q2259-04L

SDG No.: Q2259

Matrix (soil/water): Water

Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Difference	Q	M
		C		C			
Antimony	10.0	UD	50.0	UD			P
Arsenic	2.10	JD	2.25	JD	7		P
Barium	94.6	D	98.5	JD	4		P
Beryllium	5.00	UD	25.0	UD			P
Cadmium	5.00	UD	25.0	UD			P
Chromium	7.10	JD	6.75	JD	5		P
Copper	95.0	D	77.0	D	19		P
Lead	5.00	UD	25.0	UD			P
Nickel	61.7	D	64.5	D	5		P
Mercury	0.20	U	1.00	U			CV
Selenium	25.0	UD	125	UD			P
Silver	5.00	UD	25.0	UD			P
Thallium	5.00	UD	25.0	UD			P
Vanadium	259	D	270	D	4		P
Zinc	726	D	770	D	6		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>Q2259</u>
Contract:	<u>NOBI03</u>	Lab Code:	<u>CHEM</u>
		Method:	<u></u>
		Case No.:	<u>Q2259</u>
		SAS No.:	<u>Q2259</u>

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB168389							
PB168389BL	PB168389BL	MB	WATER	06/10/2025	50.0	50.0	
PB168389BS	PB168389BS	LCS	WATER	06/10/2025	50.0	50.0	
PB168389TB	PB168389TB	MB	WATER	06/10/2025	50.0	50.0	
Q2259-02	OU4-PCS-TC-36-060525	SAM	WATER	06/10/2025	50.0	50.0	
Q2259-04	OU4-PCS-TC-37-060525	SAM	WATER	06/10/2025	50.0	50.0	
Q2259-04DUP	OU4-PCS-TC-37-060525DUP	DUP	WATER	06/10/2025	50.0	50.0	
Q2259-04MS	OU4-PCS-TC-37-060525MS	MS	WATER	06/10/2025	50.0	50.0	
Q2259-04MSD	OU4-PCS-TC-37-060525MSD	MSD	WATER	06/10/2025	50.0	50.0	

Metals

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SAMPLE PREPARATION SUMMARY

Client:	<u>Nobis Group</u>	SDG No.:	<u>Q2259</u>
Contract:	<u>NOBI03</u>	Lab Code:	<u>CHEM</u>
		Method:	<u></u>
		Case No.:	<u>Q2259</u>
		SAS No.:	<u>Q2259</u>

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB168424							
PB168424BL	PB168424BL	MB	WATER	06/11/2025	30.0	30.0	
PB168424BS	PB168424BS	LCS	WATER	06/11/2025	30.0	30.0	
PB168424TB	PB168424TB	MB	WATER	06/11/2025	30.0	30.0	
Q2259-02	OU4-PCS-TC-36-060525	SAM	WATER	06/11/2025	30.0	30.0	
Q2259-04	OU4-PCS-TC-37-060525	SAM	WATER	06/11/2025	30.0	30.0	
Q2259-04DUP	OU4-PCS-TC-37-060525DUP	DUP	WATER	06/11/2025	30.0	30.0	
Q2259-04MS	OU4-PCS-TC-37-060525MS	MS	WATER	06/11/2025	30.0	30.0	
Q2259-04MSD	OU4-PCS-TC-37-060525MSD	MSD	WATER	06/11/2025	30.0	30.0	

metals
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ANALYSIS RUN LOG

Client: Nobis Group **Contract:** NOBI03

Lab code: CHEM **Case no.:** Q2259 **Sas no.:** Q2259 **Sdg no.:** Q2259

Instrument id number: **Method:** **Run number:** LB136124

Start date: 06/12/2025 **End date:** 06/12/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	0952	HG
S0.2	S0.2	1	0955	HG
S2.5	S2.5	1	0957	HG
S5	S5	1	0959	HG
S7.5	S7.5	1	1001	HG
S10	S10	1	1004	HG
ICV35	ICV35	1	1012	HG
ICB35	ICB35	1	1014	HG
CCV30	CCV30	1	1016	HG
CCB30	CCB30	1	1019	HG
CRA	CRA	1	1021	HG
PB168424BL	PB168424BL	1	1028	HG
PB168424BS	PB168424BS	1	1030	HG
Q2259-02	OU4-PCS-TC-36-060525	1	1032	HG
Q2259-04	OU4-PCS-TC-37-060525	1	1035	HG
Q2259-04DUP	OU4-PCS-TC-37-060525DUP	1	1037	HG
Q2259-04MS	OU4-PCS-TC-37-060525MS	1	1039	HG
Q2259-04MSD	OU4-PCS-TC-37-060525MSD	1	1042	HG
CCV31	CCV31	1	1050	HG
CCB31	CCB31	1	1052	HG
CCV32	CCV32	1	1117	HG
CCB32	CCB32	1	1120	HG
CCV33	CCV33	1	1138	HG
CCB33	CCB33	1	1140	HG
PB168424TB	PB168424TB	1	1142	HG
Q2259-04L	OU4-PCS-TC-37-060525L	5	1149	HG
Q2259-04A	OU4-PCS-TC-37-060525A	1	1152	HG
CCV34	CCV34	1	1158	HG
CCB34	CCB34	1	1201	HG

metals
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ANALYSIS RUN LOG

Client: Nobis Group **Contract:** NOBI03

Lab code: CHEM **Case no.:** Q2259 **Sas no.:** Q2259 **Sdg no.:** Q2259

Instrument id number: **Method:** **Run number:** LB136217

Start date: 06/20/2025 **End date:** 06/20/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1030	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1034	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1040	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1044	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1047	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
S6	S6	1	1050	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
S7	S7	1	1053	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
S8	S8	1	1055	,
ICV01	ICV01	1	1131	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1139	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1142	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1146	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1203	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1208	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1211	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
CRI	CRI	1	1214	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
PB168389BL	PB168389BL	1	1217	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
PB168389BS	PB168389BS	1	1221	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
PB168389TB	PB168389TB	1	1223	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
Q2259-02	OU4-PCS-TC-36-060525	5	1227	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
Q2259-04	OU4-PCS-TC-37-060525	5	1230	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
Q2259-04DUP	OU4-PCS-TC-37-060525DUP	5	1233	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
Q2259-04L	OU4-PCS-TC-37-060525L	25	1236	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1246	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1249	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
Q2259-04MS	OU4-PCS-TC-37-060525MS	5	1302	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
Q2259-04MSD	OU4-PCS-TC-37-060525MSD	5	1305	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
Q2259-04A	OU4-PCS-TC-37-060525A	5	1319	Ag,Ba,Pb,Tl
CCV03	CCV03	1	1323	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1325	Ag,As,Ba,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn