

LAB CHRONICLE

OrderID:	Q2639	OrderDate:	7/18/2025 10:22:00 AM
Client:	Nobis Group	Project:	Raymark Superfund Site
Contact:	Adam Roy	Location:	O13,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2639-01	OU4-TS-38-071725	SOIL			07/17/25 11:40			07/18/25
			Cyanide	9012B		07/18/25	07/21/25 10:33	
Q2639-03	OU4-TS-39-071725	SOIL			07/17/25 11:50			07/18/25
			Cyanide	9012B		07/18/25	07/21/25 10:33	
Q2639-05	OU4-TS-40-071725	SOIL			07/17/25 12:00			07/18/25
			Cyanide	9012B		07/18/25	07/21/25 10:33	
Q2639-07	OU4-TS-41-071725	SOIL			07/17/25 12:10			07/18/25
			Cyanide	9012B		07/18/25	07/21/25 10:41	
Q2639-09	OU4-TS-42-071725	SOIL			07/17/25 12:20			07/18/25
			Cyanide	9012B		07/18/25	07/21/25 10:41	
Q2639-11	OU4-TS-43-071725	SOIL			07/17/25 12:30			07/18/25
			Cyanide	9012B		07/18/25	07/21/25 10:41	
Q2639-13	OU4-TS-44-071725	SOIL			07/17/25 12:40			07/18/25
			Cyanide	9012B		07/18/25	07/21/25 10:41	



SAMPLE DATA

A

B

C

D

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25 11:40
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-38-071725	SDG No.:	Q2639
Lab Sample ID:	Q2639-01	Matrix:	SOIL
		% Solid:	80.6

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.10	J	1	0.051	0.24	0.30	mg/Kg	07/18/25 13:00	07/21/25 10:33	9012B

Comments: _____

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

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

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

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

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25 11:50
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-39-071725	SDG No.:	Q2639
Lab Sample ID:	Q2639-03	Matrix:	SOIL
		% Solid:	81

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.24	U	1	0.051	0.24	0.30	mg/Kg	07/18/25 13:00	07/21/25 10:33	9012B

Comments:

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

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

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

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

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25 12:00
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-40-071725	SDG No.:	Q2639
Lab Sample ID:	Q2639-05	Matrix:	SOIL
		% Solid:	80.7

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.25	U	1	0.052	0.25	0.31	mg/Kg	07/18/25 13:00	07/21/25 10:33	9012B

Comments:

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
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25 12:10
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-41-071725	SDG No.:	Q2639
Lab Sample ID:	Q2639-07	Matrix:	SOIL
		% Solid:	82

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.23	U	1	0.049	0.23	0.29	mg/Kg	07/18/25 13:00	07/21/25 10:41	9012B

Comments:

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
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25 12:20
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-42-071725	SDG No.:	Q2639
Lab Sample ID:	Q2639-09	Matrix:	SOIL
		% Solid:	60.3

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.33	U	1	0.069	0.33	0.41	mg/Kg	07/18/25 13:00	07/21/25 10:41	9012B

Comments:

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

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

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

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

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25 12:30
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-43-071725	SDG No.:	Q2639
Lab Sample ID:	Q2639-11	Matrix:	SOIL
		% Solid:	58

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.33	U	1	0.070	0.33	0.41	mg/Kg	07/18/25 13:00	07/21/25 10:41	9012B

Comments: _____

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
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25 12:40
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-44-071725	SDG No.:	Q2639
Lab Sample ID:	Q2639-13	Matrix:	SOIL
		% Solid:	64.9

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.069	J	1	0.063	0.30	0.38	mg/Kg	07/18/25 13:00	07/21/25 10:41	9012B

Comments: _____

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

H = Sample Analysis Out Of Hold Time

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

QC RESULT SUMMARY

Initial and Continuing Calibration Verification

Client: Nobis Group

SDG No.: Q2639

Project: Raymark Superfund Site

RunNo.: LB136552

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 Cyanide	mg/L	0.093	0.099	94	90-110	07/21/2025
Sample ID: CCV1 Cyanide	mg/L	0.25	0.25	100	90-110	07/21/2025
Sample ID: CCV2 Cyanide	mg/L	0.24	0.25	96	90-110	07/21/2025
Sample ID: CCV3 Cyanide	mg/L	0.24	0.25	96	90-110	07/21/2025
Sample ID: CCV4 Cyanide	mg/L	0.25	0.25	100	90-110	07/21/2025

Initial and Continuing Calibration Blank Summary

Client: Nobis Group

SDG No.: Q2639

Project: Raymark Superfund Site

RunNo.: LB136552

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1 Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	07/21/2025
Sample ID: CCB1 Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	07/21/2025
Sample ID: CCB2 Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	07/21/2025
Sample ID: CCB3 Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	07/21/2025
Sample ID: CCB4 Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	07/21/2025

Preparation Blank Summary

Client: Nobis Group

SDG No.: Q2639

Project: Raymark Superfund Site

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: Cyanide	PB168925BL mg/Kg	< 0.1250	0.1250	U	0.042	0.25	07/21/2025

Matrix Spike Summary

Client:	Nobis Group	SDG No.:	Q2639
Project:	Raymark Superfund Site	Sample ID:	Q2639-13
Client ID:	OU4-TS-44-071725MS	Percent Solids for Spike Sample:	64.9

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Cyanide	mg/Kg	75-125	2.80		0.069	J	3	1	91		07/21/2025

Matrix Spike Summary

Client:	Nobis Group	SDG No.:	Q2639
Project:	Raymark Superfund Site	Sample ID:	Q2639-13
Client ID:	OU4-TS-44-071725MSD	Percent Solids for Spike Sample:	64.9

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Cyanide	mg/Kg	75-125	2.90		0.069	J	3	1	94		07/21/2025

Duplicate Sample Summary

Client:	Nobis Group	SDG No.:	Q2639
Project:	Raymark Superfund Site	Sample ID:	Q2639-13
Client ID:	OU4-TS-44-071725DUP	Percent Solids for Spike Sample:	64.9

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Cyanide	mg/Kg	+/-20	0.069	J	0.080	J	1	15		07/21/2025

Duplicate Sample Summary

Client:	Nobis Group	SDG No.:	Q2639
Project:	Raymark Superfund Site	Sample ID:	Q2639-13
Client ID:	OU4-TS-44-071725MSD	Percent Solids for Spike Sample:	64.9

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Cyanide	mg/Kg	+/-20	2.80		2.90		1	4		07/21/2025

Laboratory Control Sample Summary

Client: Nobis Group

SDG No.: Q2639

Project: Raymark Superfund Site

Run No.: LB136552

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB168925BS							
Cyanide	mg/Kg	5	4.70		94	1	85-115	07/21/2025