

LAB CHRONICLE

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

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2638-01	OU4-TS-31-071725	SOIL			07/17/25 10:30			07/18/25
			Cyanide	9012B		07/18/25	07/21/25 10:22	
Q2638-03	OU4-TS-32-071725	SOIL			07/17/25 10:40			07/18/25
			Cyanide	9012B		07/18/25	07/21/25 10:22	
Q2638-05	OU4-TS-33-071725	SOIL			07/17/25 10:50			07/18/25
			Cyanide	9012B		07/18/25	07/21/25 10:22	
Q2638-07	OU4-TS-34-071725	SOIL			07/17/25 11:00			07/18/25
			Cyanide	9012B		07/18/25	07/21/25 10:22	
Q2638-09	OU4-TS-35-071725	SOIL			07/17/25 11:10			07/18/25
			Cyanide	9012B		07/18/25	07/21/25 10:22	
Q2638-11	OU4-TS-36-071725	SOIL			07/17/25 11:20			07/18/25
			Cyanide	9012B		07/18/25	07/21/25 10:33	
Q2638-13	OU4-TS-37-071725	SOIL			07/17/25 11:30			07/18/25
			Cyanide	9012B		07/18/25	07/21/25 10:33	



SAMPLE DATA

A

B

C

D

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25 10:30
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-31-071725	SDG No.:	Q2638
Lab Sample ID:	Q2638-01	Matrix:	SOIL
		% Solid:	68.4

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.082	J	1	0.061	0.29	0.36	mg/Kg	07/18/25 13:00	07/21/25 10:22	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 10:40
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-32-071725	SDG No.:	Q2638
Lab Sample ID:	Q2638-03	Matrix:	SOIL
		% Solid:	65.1

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.30	U	1	0.062	0.30	0.37	mg/Kg	07/18/25 13:00	07/21/25 10:22	9012B

Comments:

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Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25 10:50
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-33-071725	SDG No.:	Q2638
Lab Sample ID:	Q2638-05	Matrix:	SOIL
		% Solid:	64.7

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.077	J	1	0.062	0.30	0.37	mg/Kg	07/18/25 13:00	07/21/25 10:22	9012B

Comments:

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LOD = Limit of Detection

D = Dilution

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J = Estimated Value

B = Analyte Found in Associated Method Blank

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Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25 11:00
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-34-071725	SDG No.:	Q2638
Lab Sample ID:	Q2638-07	Matrix:	SOIL
		% Solid:	68.5

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.29	U	1	0.060	0.29	0.36	mg/Kg	07/18/25 13:00	07/21/25 10:22	9012B

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Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25 11:10
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-35-071725	SDG No.:	Q2638
Lab Sample ID:	Q2638-09	Matrix:	SOIL
		% Solid:	82.4

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.24	U	1	0.050	0.24	0.30	mg/Kg	07/18/25 13:00	07/21/25 10:22	9012B

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Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25 11:20
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-36-071725	SDG No.:	Q2638
Lab Sample ID:	Q2638-11	Matrix:	SOIL
		% Solid:	81.9

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 10:33	9012B

Comments:

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 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 11:30
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-37-071725	SDG No.:	Q2638
Lab Sample ID:	Q2638-13	Matrix:	SOIL
		% Solid:	81.2

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:

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LOD = Limit of Detection
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H = Sample Analysis Out Of Hold Time

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QC RESULT SUMMARY

Initial and Continuing Calibration Verification

Client: Nobis Group

SDG No.: Q2638

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.: Q2638

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.: Q2638

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.:	Q2638
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.:	Q2638
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.:	Q2638
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.:	Q2638
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.: Q2638

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