

LAB CHRONICLE

OrderID:	Q1883	OrderDate:	4/25/2025 10:10:00 AM
Client:	Nobis Group	Project:	Raymark Superfund Site
Contact:	Adam Roy	Location:	L41,L51,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1883-01	OU4-PCS-TC-27-0423 25	SOIL	Cyanide	9012B	04/23/25 12:45	04/29/25	04/30/25 10:29	04/25/25
Q1883-03	OU4-PCS-TC-28-0423 25	SOIL	Cyanide	9012B	04/23/25 12:50	04/29/25	04/30/25 10:29	04/25/25
Q1883-05	OU4-PCS-TC-29-0423 25	SOIL	Cyanide	9012B	04/23/25 13:00	04/29/25	04/30/25 10:29	04/25/25
Q1883-07	OU4-PCS-TC-30-0423 25	SOIL	Cyanide	9012B	04/23/25 13:15	04/29/25	04/30/25 10:29	04/25/25
Q1883-09	OU4-PCS-TC-31-0423 25	SOIL	Cyanide	9012B	04/23/25 13:20	04/29/25	04/30/25 10:37	04/25/25
Q1883-11	OU4-PCS-TC-32-0423 25	SOIL	Cyanide	9012B	04/23/25 13:30	04/29/25	04/30/25 10:37	04/25/25
Q1883-13	OU4-VSL-18-042325	SOIL	Cyanide	9012B	04/23/25 11:20	04/29/25	04/30/25 10:37	04/25/25

LAB CHRONICLE

Q1883-15	OU4-VSL-19-042325	SOIL			04/23/25 11:50		04/25/25
			Cyanide	9012B		04/29/25	04/30/25 10:37



SAMPLE DATA

A

B

C

D

Report of Analysis

Client:	Nobis Group	Date Collected:	04/23/25 12:45
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-PCS-TC-27-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-01	Matrix:	SOIL
		% Solid:	94.5

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.21	U	1	0.044	0.21	0.26	mg/Kg	04/29/25 14:00	04/30/25 10:29	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:	04/23/25 12:50
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-PCS-TC-28-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-03	Matrix:	SOIL
		% Solid:	94.5

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.20	U	1	0.043	0.20	0.25	mg/Kg	04/29/25 14:00	04/30/25 10:29	9012B

Comments:

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Report of Analysis

Client:	Nobis Group	Date Collected:	04/23/25 13:00
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-PCS-TC-29-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-05	Matrix:	SOIL
		% Solid:	95.7

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.20	U	1	0.043	0.20	0.25	mg/Kg	04/29/25 14:00	04/30/25 10:29	9012B

Comments: _____

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Report of Analysis

Client:	Nobis Group	Date Collected:	04/23/25 13:15
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-PCS-TC-30-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-07	Matrix:	SOIL
		% Solid:	96.5

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.15	J	1	0.043	0.20	0.25	mg/Kg	04/29/25 14:00	04/30/25 10:29	9012B

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OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Nobis Group	Date Collected:	04/23/25 13:20
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-PCS-TC-31-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-09	Matrix:	SOIL
		% Solid:	96.9

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.099	J	1	0.042	0.20	0.25	mg/Kg	04/29/25 14:00	04/30/25 10:37	9012B

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Report of Analysis

Client:	Nobis Group	Date Collected:	04/23/25 13:30
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-PCS-TC-32-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-11	Matrix:	SOIL
		% Solid:	97.3

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.20	U	1	0.043	0.20	0.25	mg/Kg	04/29/25 14:00	04/30/25 10:37	9012B

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Report of Analysis

Client:	Nobis Group	Date Collected:	04/23/25 11:20
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-VSL-18-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-13	Matrix:	SOIL
		% Solid:	94.7

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.21	U	1	0.043	0.21	0.26	mg/Kg	04/29/25 14:00	04/30/25 10:37	9012B

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Report of Analysis

Client:	Nobis Group	Date Collected:	04/23/25 11:50
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-VSL-19-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-15	Matrix:	SOIL
		% Solid:	95.8

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.20	U	1	0.043	0.20	0.25	mg/Kg	04/29/25 14:00	04/30/25 10:37	9012B

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QC RESULT SUMMARY

Initial and Continuing Calibration Verification

Client: Nobis Group

SDG No.: Q1883

Project: Raymark Superfund Site

RunNo.: LB135605

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 Cyanide	mg/L	0.099	0.099	100	90-110	04/30/2025
Sample ID: CCV1 Cyanide	mg/L	0.24	0.25	96	90-110	04/30/2025
Sample ID: CCV2 Cyanide	mg/L	0.23	0.25	92	90-110	04/30/2025
Sample ID: CCV3 Cyanide	mg/L	0.25	0.25	100	90-110	04/30/2025

Initial and Continuing Calibration Blank Summary

Client: Nobis Group

SDG No.: Q1883

Project: Raymark Superfund Site

RunNo.: LB135605

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	04/30/2025
Sample ID: CCB1 Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	04/30/2025
Sample ID: CCB2 Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	04/30/2025
Sample ID: CCB3 Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	04/30/2025

Preparation Blank Summary

Client: Nobis Group

SDG No.: Q1883

Project: Raymark Superfund Site

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: Cyanide	PB167753BL mg/Kg	< 0.1250	0.1250	U	0.042	0.25	04/30/2025

Matrix Spike Summary

Client:	Nobis Group	SDG No.:	Q1883
Project:	Raymark Superfund Site	Sample ID:	Q1883-15
Client ID:	OU4-VSL-19-042325MS	Percent Solids for Spike Sample:	95.8

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	1.70		0.043	U	2	1	85		04/30/2025

Matrix Spike Summary

Client:	Nobis Group	SDG No.:	Q1883
Project:	Raymark Superfund Site	Sample ID:	Q1883-15
Client ID:	OU4-VSL-19-042325MSD	Percent Solids for Spike Sample:	95.8

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	1.70		0.043	U	2	1	85		04/30/2025

Duplicate Sample Summary

Client:	Nobis Group	SDG No.:	Q1883
Project:	Raymark Superfund Site	Sample ID:	Q1883-15
Client ID:	OU4-VSL-19-042325DUP	Percent Solids for Spike Sample:	95.8

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Cyanide	mg/Kg	+/-20	0.043	U	0.043	U	1	0		04/30/2025

Duplicate Sample Summary

Client:	Nobis Group	SDG No.:	Q1883
Project:	Raymark Superfund Site	Sample ID:	Q1883-15
Client ID:	OU4-VSL-19-042325MSD	Percent Solids for Spike Sample:	95.8

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Cyanide	mg/Kg	+/-20	1.70		1.70		1	0		04/30/2025

Laboratory Control Sample Summary

Client: Nobis Group

SDG No.: Q1883

Project: Raymark Superfund Site

Run No.: LB135605

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB167753BS							
Cyanide	mg/Kg	5	4.60		92	1	85-115	04/30/2025