

LAB CHRONICLE

OrderID:	Q2879	OrderDate:	8/15/2025 9:15:00 AM
Client:	Nobis Group	Project:	Raymark Superfund Site
Contact:	Adam Roy	Location:	J23,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2879-01	OU4-TS-GRILLO-TSCP 03-081425	SOIL			08/14/25 11:30			08/15/25
			Cyanide	9012B		08/19/25	08/19/25 12:15	
Q2879-03	OU4-TS-GRILLO-TSCP 04-081425	SOIL			08/14/25 11:35			08/15/25
			Cyanide	9012B		08/19/25	08/19/25 12:15	
Q2879-05	OU4-TS-GRILLO-TSCP 05-081425	SOIL			08/14/25 11:40			08/15/25
			Cyanide	9012B		08/19/25	08/19/25 12:15	
Q2879-07	OU4-TS-GRILLO-TSCP 06-081425	SOIL			08/14/25 11:45			08/15/25
			Cyanide	9012B		08/19/25	08/19/25 12:15	
Q2879-09	OU4-TS-GRILLO-TSCP 07-081425	SOIL			08/14/25 11:50			08/15/25
			Cyanide	9012B		08/19/25	08/19/25 12:22	
Q2879-11	OU4-TS-GRILLO-TSCP 08-081425	SOIL			08/14/25 11:55			08/15/25
			Cyanide	9012B		08/19/25	08/19/25 12:22	
Q2879-13	OU4-TS-GRILLO-TSCP 09-081425	SOIL			08/14/25 12:00			08/15/25
			Cyanide	9012B		08/19/25	08/19/25 12:23	

LAB CHRONICLE

Q2879-15	OU4-TS-GRILLO-TSCP 10-081425	SOIL	08/14/25				08/15/25
			12:05				
			Cyanide	9012B	08/19/25	08/19/25 12:23	
Q2879-17	OU4-TS-GRILLO-TSCP 11-081425	SOIL	08/14/25				08/15/25
			12:10				
			Cyanide	9012B	08/19/25	08/19/25 12:30	



SAMPLE DATA

A

B

C

D

Report of Analysis

Client:	Nobis Group	Date Collected:	08/14/25 11:30
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP03-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-01	Matrix:	SOIL
		% Solid:	89.1

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.16	J	1	0.045	0.22	0.27	mg/Kg	08/19/25 08:00	08/19/25 12:15	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:	08/14/25 11:35
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP04-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-03	Matrix:	SOIL
		% Solid:	87.1

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.16	J	1	0.048	0.23	0.28	mg/Kg	08/19/25 08:00	08/19/25 12:15	9012B

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Report of Analysis

Client:	Nobis Group	Date Collected:	08/14/25 11:40
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP05-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-05	Matrix:	SOIL
		% Solid:	93.1

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.16	J	1	0.043	0.21	0.26	mg/Kg	08/19/25 08:00	08/19/25 12:15	9012B

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Report of Analysis

Client:	Nobis Group	Date Collected:	08/14/25 11:45
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP06-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-07	Matrix:	SOIL
		% Solid:	90.8

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.081	J	1	0.044	0.21	0.26	mg/Kg	08/19/25 08:00	08/19/25 12:15	9012B

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Report of Analysis

Client:	Nobis Group	Date Collected:	08/14/25 11:50
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP07-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-09	Matrix:	SOIL
		% Solid:	93.5

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.13	J	1	0.044	0.21	0.26	mg/Kg	08/19/25 08:00	08/19/25 12:22	9012B

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Report of Analysis

Client:	Nobis Group	Date Collected:	08/14/25 11:55
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP08-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-11	Matrix:	SOIL
		% Solid:	91.3

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.20	J	1	0.046	0.22	0.27	mg/Kg	08/19/25 08:00	08/19/25 12:22	9012B

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Report of Analysis

Client:	Nobis Group	Date Collected:	08/14/25 12:00
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP09-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-13	Matrix:	SOIL
		% Solid:	92.8

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.13	J	1	0.044	0.21	0.26	mg/Kg	08/19/25 08:00	08/19/25 12:23	9012B

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Report of Analysis

Client:	Nobis Group	Date Collected:	08/14/25 12:05
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP10-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-15	Matrix:	SOIL
		% Solid:	91.3

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.15	J	1	0.045	0.21	0.27	mg/Kg	08/19/25 08:00	08/19/25 12:23	9012B

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 B = Analyte Found in Associated Method Blank
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 N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Nobis Group	Date Collected:	08/14/25 12:10
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP11-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-17	Matrix:	SOIL
		% Solid:	77

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.15	J	1	0.053	0.25	0.32	mg/Kg	08/19/25 08:00	08/19/25 12:30	9012B

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LOD = Limit of Detection

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QC RESULT SUMMARY

Initial and Continuing Calibration Verification

Client: Nobis Group

SDG No.: Q2879

Project: Raymark Superfund Site

RunNo.: LB136877

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 Cyanide	mg/L	0.096	0.099	97	90-110	08/19/2025
Sample ID: CCV1 Cyanide	mg/L	0.24	0.25	96	90-110	08/19/2025
Sample ID: CCV2 Cyanide	mg/L	0.25	0.25	100	90-110	08/19/2025
Sample ID: CCV3 Cyanide	mg/L	0.24	0.25	96	90-110	08/19/2025
Sample ID: CCV4 Cyanide	mg/L	0.25	0.25	100	90-110	08/19/2025

Initial and Continuing Calibration Blank Summary

Client: Nobis Group

SDG No.: Q2879

Project: Raymark Superfund Site

RunNo.: LB136877

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	08/19/2025
Sample ID: CCB1 Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	08/19/2025
Sample ID: CCB2 Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	08/19/2025
Sample ID: CCB3 Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	08/19/2025
Sample ID: CCB4 Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	08/19/2025

Preparation Blank Summary

Client: Nobis Group

SDG No.: Q2879

Project: Raymark Superfund Site

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: Cyanide	PB169307BL mg/Kg	< 0.1250	0.1250	U	0.042	0.25	08/19/2025

Matrix Spike Summary

Client:	Nobis Group	SDG No.:	Q2879
Project:	Raymark Superfund Site	Sample ID:	Q2879-17
Client ID:	OU4-TS-GRILLO-TSCP11-081425MS	Percent Solids for Spike Sample:	77

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	2.20		0.15	J	2.5	1	82		08/19/2025

Matrix Spike Summary

Client:	Nobis Group	SDG No.:	Q2879
Project:	Raymark Superfund Site	Sample ID:	Q2879-17
Client ID:	OU4-TS-GRILLO-TSCP11-081425MSD	Percent Solids for Spike Sample:	77

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	2.40		0.15	J	2.6	1	87		08/19/2025

Duplicate Sample Summary

Client: Nobis Group Project: Raymark Superfund Site Client ID: OU4-TS-GRILLO-TSCP11-081425DUP	SDG No.: Q2879 Sample ID: Q2879-17 Percent Solids for Spike Sample: 77
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Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Cyanide	mg/Kg	+/-20	0.15	J	0.16	J	1	6		08/19/2025

Duplicate Sample Summary

Client:	Nobis Group	SDG No.:	Q2879
Project:	Raymark Superfund Site	Sample ID:	Q2879-17
Client ID:	OU4-TS-GRILLO-TSCP11-081425MSD	Percent Solids for Spike Sample:	77

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Cyanide	mg/Kg	+/-20	2.20		2.40		1	9		08/19/2025

Laboratory Control Sample Summary

Client: Nobis Group

SDG No.: Q2879

Project: Raymark Superfund Site

Run No.: LB136877

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB169307BS							
Cyanide	mg/Kg	5	4.80		96	1	85-115	08/19/2025