

LAB CHRONICLE

OrderID:	Q2747	OrderDate:	8/1/2025 10:40:00 AM
Client:	Nobis Group	Project:	Raymark Superfund Site
Contact:	Adam Roy	Location:	O32,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2747-01	OU4-TS-GRILLO-OG2-073125	SOIL			07/31/25 10:50			08/01/25
			Cyanide	9012B		08/04/25	08/05/25 09:23	
Q2747-03	OU4-TS-GRILLO-OG3-073125	SOIL			07/31/25 10:55			08/01/25
			Cyanide	9012B		08/04/25	08/05/25 09:23	
Q2747-05	OU4-TS-GRILLO-OG4-073125	SOIL			07/31/25 11:00			08/01/25
			Cyanide	9012B		08/04/25	08/05/25 09:30	
Q2747-07	OU4-TS-GRILLO-TSCP 01-073125	SOIL			07/31/25 11:05			08/01/25
			Cyanide	9012B		08/04/25	08/05/25 09:30	
Q2747-09	OU4-TS-GRILLO-TSCP 02-073125	SOIL			07/31/25 11:10			08/01/25
			Cyanide	9012B		08/04/25	08/05/25 09:30	



SAMPLE DATA

A

B

C

D

Report of Analysis

Client:	Nobis Group	Date Collected:	07/31/25 10:50
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	OU4-TS-GRILLO-OG2-073125	SDG No.:	Q2747
Lab Sample ID:	Q2747-01	Matrix:	SOIL
		% Solid:	75.7

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.16	J	1	0.053	0.25	0.32	mg/Kg	08/04/25 12:30	08/05/25 09:23	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:	07/31/25 10:55
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	OU4-TS-GRILLO-OG3-073125	SDG No.:	Q2747
Lab Sample ID:	Q2747-03	Matrix:	SOIL
		% Solid:	77.6

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.18	J	1	0.054	0.26	0.32	mg/Kg	08/04/25 12:30	08/05/25 09:23	9012B

Comments:

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/31/25 11:00
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	OU4-TS-GRILLO-OG4-073125	SDG No.:	Q2747
Lab Sample ID:	Q2747-05	Matrix:	SOIL
		% Solid:	80.5

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.063	J	1	0.050	0.24	0.30	mg/Kg	08/04/25 12:30	08/05/25 09:30	9012B

Comments:

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H = Sample Analysis Out Of Hold Time

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/31/25 11:05
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	OU4-TS-GRILLO-TSCP01-073125	SDG No.:	Q2747
Lab Sample ID:	Q2747-07	Matrix:	SOIL
		% Solid:	66.4

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.31	J	1	0.062	0.30	0.37	mg/Kg	08/04/25 12:30	08/05/25 09:30	9012B

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H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

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OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Nobis Group	Date Collected:	07/31/25 11:10
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	OU4-TS-GRILLO-TSCP02-073125	SDG No.:	Q2747
Lab Sample ID:	Q2747-09	Matrix:	SOIL
		% Solid:	63.7

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.23	J	1	0.063	0.30	0.38	mg/Kg	08/04/25 12:30	08/05/25 09:30	9012B

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LOD = Limit of Detection

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H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

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N =Spiked sample recovery not within control limits

QC RESULT SUMMARY

Initial and Continuing Calibration Verification

Client: Nobis Group

SDG No.: Q2747

Project: Raymark Superfund Site

RunNo.: LB136702

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 Cyanide	mg/L	0.094	0.099	95	90-110	08/05/2025
Sample ID: CCV1 Cyanide	mg/L	0.25	0.25	100	90-110	08/05/2025
Sample ID: CCV2 Cyanide	mg/L	0.25	0.25	100	90-110	08/05/2025
Sample ID: CCV3 Cyanide	mg/L	0.25	0.25	100	90-110	08/05/2025

Initial and Continuing Calibration Blank Summary

Client: Nobis Group

SDG No.: Q2747

Project: Raymark Superfund Site

RunNo.: LB136702

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1 Cyanide	mg/L	0.001	0.0025	J	0.00096	0.005	08/05/2025
Sample ID: CCB1 Cyanide	mg/L	0.0011	0.0025	J	0.00096	0.005	08/05/2025
Sample ID: CCB2 Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	08/05/2025
Sample ID: CCB3 Cyanide	mg/L	0.0011	0.0025	J	0.00096	0.005	08/05/2025

Preparation Blank Summary

Client: Nobis Group

SDG No.: Q2747

Project: Raymark Superfund Site

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: Cyanide	PB169111BL mg/Kg	< 0.1250	0.1250	U	0.042	0.25	08/05/2025

Matrix Spike Summary

Client:	Nobis Group	SDG No.:	Q2747
Project:	Raymark Superfund Site	Sample ID:	Q2747-09
Client ID:	OU4-TS-GRILLO-TSCP02-073125MS	Percent Solids for Spike Sample:	63.7

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	3.10		0.23	J	3	1	96		08/05/2025

Matrix Spike Summary

Client:	Nobis Group	SDG No.:	Q2747
Project:	Raymark Superfund Site	Sample ID:	Q2747-09
Client ID:	OU4-TS-GRILLO-TSCP02-073125MSD	Percent Solids for Spike Sample:	63.7

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	3.10		0.23	J	3	1	96		08/05/2025

Duplicate Sample Summary

Client:	Nobis Group	SDG No.:	Q2747
Project:	Raymark Superfund Site	Sample ID:	Q2747-09
Client ID:	OU4-TS-GRILLO-TSCP02-073125DUP	Percent Solids for Spike Sample:	63.7

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Cyanide	mg/Kg	+/-20	0.23	J	0.23	J	1	0		08/05/2025

Duplicate Sample Summary

Client:	Nobis Group	SDG No.:	Q2747
Project:	Raymark Superfund Site	Sample ID:	Q2747-09
Client ID:	OU4-TS-GRILLO-TSCP02-073125MSD	Percent Solids for Spike Sample:	63.7

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Cyanide	mg/Kg	+/-20	3.10		3.10		1	0		08/05/2025

Laboratory Control Sample Summary

Client: Nobis Group

SDG No.: Q2747

Project: Raymark Superfund Site

Run No.: LB136702

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB169111BS							
Cyanide	mg/Kg	5	4.70		94	1	85-115	08/05/2025