

## LAB CHRONICLE

<b>OrderID:</b>	Q1984	<b>OrderDate:</b>	5/8/2025 10:48:00 AM
<b>Client:</b>	Nobis Group	<b>Project:</b>	Raymark Superfund Site
<b>Contact:</b>	Adam Roy	<b>Location:</b>	L41,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
<b>Q1984-01</b>	<b>OU4-PCS-TC-33-0507 25</b>	<b>SOIL</b>			<b>05/07/25 09:50</b>			<b>05/08/25</b>
			Cyanide	9012B		05/13/25	05/13/25 17:48	
<b>Q1984-03</b>	<b>OU4-PCS-TC-34-0507 25</b>	<b>SOIL</b>			<b>05/07/25 10:00</b>			<b>05/08/25</b>
			Cyanide	9012B		05/13/25	05/13/25 17:48	
<b>Q1984-05</b>	<b>OU4-PCS-TC-35-0507 25</b>	<b>SOIL</b>			<b>05/07/25 10:15</b>			<b>05/08/25</b>
			Cyanide	9012B		05/13/25	05/13/25 17:48	
<b>Q1984-07</b>	<b>OU4-TS-24-050725</b>	<b>SOIL</b>			<b>05/07/25 11:30</b>			<b>05/08/25</b>
			Cyanide	9012B		05/13/25	05/13/25 17:55	
<b>Q1984-09</b>	<b>OU4-TS-25-050725</b>	<b>SOIL</b>			<b>05/07/25 11:35</b>			<b>05/08/25</b>
			Cyanide	9012B		05/13/25	05/13/25 17:55	
<b>Q1984-11</b>	<b>OU4-TS-26-050725</b>	<b>SOIL</b>			<b>05/07/25 11:40</b>			<b>05/08/25</b>
			Cyanide	9012B		05/13/25	05/13/25 17:55	
<b>Q1984-13</b>	<b>OU4-TS-27-050725</b>	<b>SOIL</b>			<b>05/07/25 11:45</b>			<b>05/08/25</b>
			Cyanide	9012B		05/13/25	05/13/25 17:55	

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## LAB CHRONICLE

<b>Q1984-15</b>	<b>OU4-TS-28-050725</b>	<b>SOIL</b>			<b>05/07/25</b>			<b>05/08/25</b>
					<b>11:50</b>			
			Cyanide	9012B		05/13/25	05/13/25 17:41	



# SAMPLE DATA

## Report of Analysis

Client:	Nobis Group	Date Collected:	05/07/25 09:50
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-PCS-TC-33-050725	SDG No.:	Q1984
Lab Sample ID:	Q1984-01	Matrix:	SOIL
		% Solid:	95.1

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	0.26	mg/Kg	05/13/25 08:00	05/13/25 17:48	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:	05/07/25 10:00
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-PCS-TC-34-050725	SDG No.:	Q1984
Lab Sample ID:	Q1984-03	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	0.042	0.20	0.25	mg/Kg	05/13/25 08:00	05/13/25 17:48	9012B

Comments: \_\_\_\_\_

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N =Spiked sample recovery not within control limits

## Report of Analysis

Client:	Nobis Group	Date Collected:	05/07/25 10:15
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-PCS-TC-35-050725	SDG No.:	Q1984
Lab Sample ID:	Q1984-05	Matrix:	SOIL
		% Solid:	94.4

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	05/13/25 08:00	05/13/25 17:48	9012B

Comments:

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LOD = Limit of Detection  
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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  
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OR = Over Range  
N =Spiked sample recovery not within control limits

## Report of Analysis

Client:	Nobis Group	Date Collected:	05/07/25 11:30
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-TS-24-050725	SDG No.:	Q1984
Lab Sample ID:	Q1984-07	Matrix:	SOIL
		% Solid:	69.7

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.28	U	1	0.058	0.28	0.34	mg/Kg	05/13/25 08:00	05/13/25 17:55	9012B

Comments:

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## Report of Analysis

Client:	Nobis Group	Date Collected:	05/07/25 11:35
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-TS-25-050725	SDG No.:	Q1984
Lab Sample ID:	Q1984-09	Matrix:	SOIL
		% Solid:	68

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.29	U	1	0.061	0.29	0.36	mg/Kg	05/13/25 08:00	05/13/25 17:55	9012B

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J = Estimated Value

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## Report of Analysis

Client:	Nobis Group	Date Collected:	05/07/25 11:40
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-TS-26-050725	SDG No.:	Q1984
Lab Sample ID:	Q1984-11	Matrix:	SOIL
		% Solid:	60.1

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.32	U	1	0.067	0.32	0.40	mg/Kg	05/13/25 08:00	05/13/25 17:55	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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## Report of Analysis

Client:	Nobis Group	Date Collected:	05/07/25 11:45
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-TS-27-050725	SDG No.:	Q1984
Lab Sample ID:	Q1984-13	Matrix:	SOIL
		% Solid:	62.5

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.31	U	1	0.065	0.31	0.38	mg/Kg	05/13/25 08:00	05/13/25 17:55	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

\* = 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:	05/07/25 11:50
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-TS-28-050725	SDG No.:	Q1984
Lab Sample ID:	Q1984-15	Matrix:	SOIL
		% Solid:	64.6

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.30	U	1	0.064	0.30	0.38	mg/Kg	05/13/25 08:00	05/13/25 17:41	9012B

Comments:

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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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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



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,  
Fax : 908 789 8922

### Initial and Continuing Calibration Verification

**Client:** Nobis Group

**SDG No.:** Q1984

**Project:** Raymark Superfund Site

**RunNo.:** LB135758

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: Cyanide	ICV1	mg/L	0.094	0.099	95	90-110	05/13/2025
Sample ID: Cyanide	CCV1	mg/L	0.24	0.25	96	90-110	05/13/2025
Sample ID: Cyanide	CCV2	mg/L	0.25	0.25	100	90-110	05/13/2025
Sample ID: Cyanide	CCV3	mg/L	0.24	0.25	96	90-110	05/13/2025

### Initial and Continuing Calibration Blank Summary

**Client:** Nobis Group

**SDG No.:** Q1984

**Project:** Raymark Superfund Site

**RunNo.:** LB135758

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: <b>ICB1</b> Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	05/13/2025
Sample ID: <b>CCB1</b> Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	05/13/2025
Sample ID: <b>CCB2</b> Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	05/13/2025
Sample ID: <b>CCB3</b> Cyanide	mg/L	0.00098	0.0025	J	0.00096	0.005	05/13/2025

## Preparation Blank Summary

**Client:** Nobis Group

**SDG No.:** Q1984

**Project:** Raymark Superfund Site

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: Cyanide	<b>PB167935BL</b> mg/Kg	< 0.1250	0.1250	U	0.042	0.25	05/13/2025

### Matrix Spike Summary

<b>Client:</b>	Nobis Group	<b>SDG No.:</b>	Q1984
<b>Project:</b>	Raymark Superfund Site	<b>Sample ID:</b>	Q1984-15
<b>Client ID:</b>	OU4-TS-28-050725MS	<b>Percent Solids for Spike Sample:</b>	64.6

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		0.064	U	3	1	80		05/13/2025

## Matrix Spike Summary

<b>Client:</b>	Nobis Group	<b>SDG No.:</b>	Q1984
<b>Project:</b>	Raymark Superfund Site	<b>Sample ID:</b>	Q1984-15
<b>Client ID:</b>	OU4-TS-28-050725MSD	<b>Percent Solids for Spike Sample:</b>	64.6

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	2.50		0.064	U	3	1	83		05/13/2025

### Duplicate Sample Summary

<b>Client:</b>	Nobis Group	<b>SDG No.:</b>	Q1984
<b>Project:</b>	Raymark Superfund Site	<b>Sample ID:</b>	Q1984-15
<b>Client ID:</b>	OU4-TS-28-050725DUP	<b>Percent Solids for Spike Sample:</b>	64.6

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Cyanide	mg/Kg	+/-20	0.064	U	0.064	U	1	0		05/13/2025

### Duplicate Sample Summary

<b>Client:</b>	Nobis Group	<b>SDG No.:</b>	Q1984
<b>Project:</b>	Raymark Superfund Site	<b>Sample ID:</b>	Q1984-15
<b>Client ID:</b>	OU4-TS-28-050725MSD	<b>Percent Solids for Spike Sample:</b>	64.6

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Cyanide	mg/Kg	+/-20	2.40		2.50		1	4		05/13/2025

### Laboratory Control Sample Summary

**Client:** Nobis Group

**SDG No.:** Q1984

**Project:** Raymark Superfund Site

**Run No.:** LB135758

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB167935BS							
Cyanide	mg/Kg	5	4.80		96	1	85-115	05/13/2025