

LAB CHRONICLE

OrderID:	P5306	OrderDate:	12/17/2024 10:24:00 AM
Client:	Nobis Group	Project:	Raymark Superfund Site
Contact:	Adam Roy	Location:	L41,L61,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5306-01	OU4-VSL-07-121224	SOIL			12/12/24 10:00			12/17/24
			Cyanide	9012B		12/18/24	12/19/24 13:51	
P5306-03	OU4-VSL-08-121224	SOIL			12/12/24 10:10			12/17/24
			Cyanide	9012B		12/18/24	12/19/24 13:51	
P5306-05	OU4-VSL-09-121224	SOIL			12/12/24 10:20			12/17/24
			Cyanide	9012B		12/18/24	12/19/24 13:51	
P5306-07	OU4-VSL-10-121224	SOIL			12/12/24 10:30			12/17/24
			Cyanide	9012B		12/18/24	12/19/24 13:51	
P5306-09	OU4-VSL-11-121224	SOIL			12/12/24 10:40			12/17/24
			Cyanide	9012B		12/18/24	12/19/24 13:51	
P5306-11	OU4-VSL-12-121224	SOIL			12/12/24 10:50			12/17/24
			Cyanide	9012B		12/18/24	12/19/24 13:51	
P5306-13	OU4-VSL-13-121224	SOIL			12/12/24 11:00			12/17/24
			Cyanide	9012B		12/18/24	12/19/24 13:59	

LAB CHRONICLE

P5306-15	OU4-VSL-14-121224	SOIL			12/12/24 11:10			12/17/24
			Cyanide	9012B		12/18/24	12/19/24 13:59	



SAMPLE DATA

A

B

C

D

Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24 10:00
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-07-121224	SDG No.:	P5306
Lab Sample ID:	P5306-01	Matrix:	SOIL
		% Solid:	90.8

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.22	U	1	0.048	0.22	0.27	mg/Kg	12/18/24 14:00	12/19/24 13:51	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:	12/12/24 10:10
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-08-121224	SDG No.:	P5306
Lab Sample ID:	P5306-03	Matrix:	SOIL
		% Solid:	90.8

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.21	U	1	0.047	0.21	0.26	mg/Kg	12/18/24 14:00	12/19/24 13:51	9012B

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Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24 10:20
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-09-121224	SDG No.:	P5306
Lab Sample ID:	P5306-05	Matrix:	SOIL
		% Solid:	90.1

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.22	U	1	0.048	0.22	0.27	mg/Kg	12/18/24 14:00	12/19/24 13:51	9012B

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Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24 10:30
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-10-121224	SDG No.:	P5306
Lab Sample ID:	P5306-07	Matrix:	SOIL
		% Solid:	95

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.055	J	1	0.045	0.21	0.26	mg/Kg	12/18/24 14:00	12/19/24 13:51	9012B

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Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24 10:40
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-11-121224	SDG No.:	P5306
Lab Sample ID:	P5306-09	Matrix:	SOIL
		% Solid:	93.6

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.20	U	1	0.045	0.20	0.25	mg/Kg	12/18/24 14:00	12/19/24 13:51	9012B

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Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24 10:50
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-12-121224	SDG No.:	P5306
Lab Sample ID:	P5306-11	Matrix:	SOIL
		% Solid:	90.8

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.22	U	1	0.048	0.22	0.27	mg/Kg	12/18/24 14:00	12/19/24 13:51	9012B

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Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24 11:00
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-13-121224	SDG No.:	P5306
Lab Sample ID:	P5306-13	Matrix:	SOIL
		% Solid:	90

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.22	U	1	0.049	0.22	0.28	mg/Kg	12/18/24 14:00	12/19/24 13:59	9012B

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Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24 11:10
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-14-121224	SDG No.:	P5306
Lab Sample ID:	P5306-15	Matrix:	SOIL
		% Solid:	95.9

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.20	U	1	0.045	0.20	0.26	mg/Kg	12/18/24 14:00	12/19/24 13:59	9012B

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QC RESULT SUMMARY

Initial and Continuing Calibration Verification

Client: Nobis Group

SDG No.: P5306

Project: Raymark Superfund Site

RunNo.: LB134018

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: Cyanide	ICV1	mg/L	0.099	0.099	100	90-110	12/19/2024
Sample ID: Cyanide	CCV1	mg/L	0.25	0.25	100	90-110	12/19/2024
Sample ID: Cyanide	CCV2	mg/L	0.25	0.25	100	90-110	12/19/2024
Sample ID: Cyanide	CCV3	mg/L	0.26	0.25	104	90-110	12/19/2024

Initial and Continuing Calibration Blank Summary

Client: Nobis Group

SDG No.: P5306

Project: Raymark Superfund Site

RunNo.: LB134018

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1 Cyanide	mg/L	< 0.0025	0.0025	U	0.00099	0.005	12/19/2024
Sample ID: CCB1 Cyanide	mg/L	< 0.0025	0.0025	U	0.00099	0.005	12/19/2024
Sample ID: CCB2 Cyanide	mg/L	< 0.0025	0.0025	U	0.00099	0.005	12/19/2024
Sample ID: CCB3 Cyanide	mg/L	< 0.0025	0.0025	U	0.00099	0.005	12/19/2024

Preparation Blank Summary

Client: Nobis Group

SDG No.: P5306

Project: Raymark Superfund Site

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: Cyanide	PB165761BL mg/Kg	< 0.1250	0.1250	U	0.044	0.25	12/19/2024

Matrix Spike Summary

Client:	Nobis Group	SDG No.:	P5306
Project:	Raymark Superfund Site	Sample ID:	P5306-15
Client ID:	OU4-VSL-14-121224MS	Percent Solids for Spike Sample:	95.9

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	2.10		0.045	U	2.1	1	100		12/19/2024

Matrix Spike Summary

Client:	Nobis Group	SDG No.:	P5306
Project:	Raymark Superfund Site	Sample ID:	P5306-15
Client ID:	OU4-VSL-14-121224MSD	Percent Solids for Spike Sample:	95.9

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	2.10		0.045	U	2	1	105		12/19/2024

Duplicate Sample Summary

Client:	Nobis Group	SDG No.:	P5306
Project:	Raymark Superfund Site	Sample ID:	P5306-15
Client ID:	OU4-VSL-14-121224DUP	Percent Solids for Spike Sample:	95.9

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Cyanide	mg/Kg	+/-20	0.045	U	0.044	U	1	0		12/19/2024

Duplicate Sample Summary

Client:	Nobis Group	SDG No.:	P5306
Project:	Raymark Superfund Site	Sample ID:	P5306-15
Client ID:	OU4-VSL-14-121224MSD	Percent Solids for Spike Sample:	95.9

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Cyanide	mg/Kg	+/-20	2.10		2.10		1	0		12/19/2024

Laboratory Control Sample Summary

Client:	Nobis Group	SDG No.:	P5306
Project:	Raymark Superfund Site	Run No.:	LB134018

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB165761BS							
Cyanide	mg/Kg	5	5.00		100	1	85-115	12/19/2024