

LAB CHRONICLE

OrderID:	Q1421	OrderDate:	2/24/2025 2:56:42 PM
Client:	Weston Solutions, Inc.	Project:	RFP 905
Contact:	Smita Sumbaly	Location:	H31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1421-01	P001-CLAY-CF01-01	SOIL			02/24/25 09:40			02/24/25
			Cyanide	9012B		02/25/25	02/25/25 13:31	
Q1421-04	P001-CLAY-CF01-01	WATER			02/24/25 09:40			02/24/25
			SPLP Cyanide	9012B		02/27/25	02/27/25 10:55	
Q1421-07	P001-CLAY-CF01-02	SOIL			02/24/25 09:50			02/24/25
			Cyanide	9012B		02/25/25	02/25/25 13:36	
Q1421-08	P001-CLAY-CF01-02	WATER			02/24/25 09:50			02/24/25
			SPLP Cyanide	9012B		02/27/25	02/27/25 11:02	
Q1421-09	P001-CLAY-CF02-01	SOIL			02/24/25 10:00			02/24/25
			Cyanide	9012B		02/25/25	02/25/25 13:36	
Q1421-10	P001-CLAY-CF02-01	WATER			02/24/25 10:00			02/24/25
			SPLP Cyanide	9012B		02/27/25	02/27/25 11:02	



SAMPLE DATA

A

B

C

D

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	02/24/25 09:40
Project:	RFP 905	Date Received:	02/24/25
Client Sample ID:	P001-CLAY-CF01-01	SDG No.:	Q1421
Lab Sample ID:	Q1421-01	Matrix:	SOIL
		% Solid:	70.3

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.097	J	1	0.061	0.35	mg/Kg	02/25/25 09:00	02/25/25 13:31	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:	Weston Solutions, Inc.	Date Collected:	02/24/25 09:40
Project:	RFP 905	Date Received:	02/24/25
Client Sample ID:	P001-CLAY-CF01-01	SDG No.:	Q1421
Lab Sample ID:	Q1421-04	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.0024	U	1	0.0024	0.0050	mg/L	02/27/25 08:00	02/27/25 10:55	9012B

Comments: _____

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	02/24/25 09:50
Project:	RFP 905	Date Received:	02/24/25
Client Sample ID:	P001-CLAY-CF01-02	SDG No.:	Q1421
Lab Sample ID:	Q1421-07	Matrix:	SOIL
		% Solid:	75.2

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.13	J	1	0.057	0.32	mg/Kg	02/25/25 09:00	02/25/25 13:36	9012B

Comments:

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	02/24/25 09:50
Project:	RFP 905	Date Received:	02/24/25
Client Sample ID:	P001-CLAY-CF01-02	SDG No.:	Q1421
Lab Sample ID:	Q1421-08	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.0024	U	1	0.0024	0.0050	mg/L	02/27/25 08:00	02/27/25 11:02	9012B

Comments: _____

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	02/24/25 10:00
Project:	RFP 905	Date Received:	02/24/25
Client Sample ID:	P001-CLAY-CF02-01	SDG No.:	Q1421
Lab Sample ID:	Q1421-09	Matrix:	SOIL
		% Solid:	78.4

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.081	J	1	0.055	0.31	mg/Kg	02/25/25 09:00	02/25/25 13:36	9012B

Comments: _____

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J = Estimated Value

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	02/24/25 10:00
Project:	RFP 905	Date Received:	02/24/25
Client Sample ID:	P001-CLAY-CF02-01	SDG No.:	Q1421
Lab Sample ID:	Q1421-10	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.0024	U	1	0.0024	0.0050	mg/L	02/27/25 08:00	02/27/25 11:02	9012B

Comments: _____

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LOD = Limit of Detection

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H = Sample Analysis Out Of Hold Time

J = Estimated Value

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QC RESULT SUMMARY

Initial and Continuing Calibration Verification

Client: Weston Solutions, Inc.

SDG No.: Q1421

Project: RFP 905

RunNo.: LB134798

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 Cyanide	mg/L	0.098	0.099	99	90-110	02/25/2025
Sample ID: CCV1 Cyanide	mg/L	0.25	0.25	100	90-110	02/25/2025
Sample ID: CCV2 Cyanide	mg/L	0.25	0.25	100	90-110	02/25/2025
Sample ID: CCV3 Cyanide	mg/L	0.26	0.25	104	90-110	02/25/2025

Initial and Continuing Calibration Verification

Client: Weston Solutions, Inc.

SDG No.: Q1421

Project: RFP 905

RunNo.: LB134832

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	ICV1						
Cyanide		mg/L	0.095	0.099	96	90-110	02/27/2025
Sample ID:	CCV1						
Cyanide		mg/L	0.25	0.25	100	90-110	02/27/2025
Sample ID:	CCV2						
Cyanide		mg/L	0.25	0.25	100	90-110	02/27/2025
Sample ID:	CCV3						
Cyanide		mg/L	0.26	0.25	104	90-110	02/27/2025

Initial and Continuing Calibration Blank Summary

Client: Weston Solutions, Inc.

SDG No.: Q1421

Project: RFP 905

RunNo.: LB134798

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	02/25/2025
Sample ID: CCB1 Cyanide	mg/L	< 0.0025	0.0025	U	0.00099	0.005	02/25/2025
Sample ID: CCB2 Cyanide	mg/L	< 0.0025	0.0025	U	0.00099	0.005	02/25/2025
Sample ID: CCB3 Cyanide	mg/L	< 0.0025	0.0025	U	0.00099	0.005	02/25/2025

Initial and Continuing Calibration Blank Summary

Client: Weston Solutions, Inc.

SDG No.: Q1421

Project: RFP 905

RunNo.: LB134832

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1 Cyanide	mg/L	< 0.0025	0.0025	U	0.0024	0.005	02/27/2025
Sample ID: CCB1 Cyanide	mg/L	< 0.0025	0.0025	U	0.0024	0.005	02/27/2025
Sample ID: CCB2 Cyanide	mg/L	< 0.0025	0.0025	U	0.0024	0.005	02/27/2025
Sample ID: CCB3 Cyanide	mg/L	< 0.0025	0.0025	U	0.0024	0.005	02/27/2025

Preparation Blank Summary

Client: Weston Solutions, Inc.

SDG No.: Q1421

Project: RFP 905

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: Cyanide	PB166860BL mg/Kg	< 0.1250	0.1250	U	0.044	0.25	02/25/2025
Sample ID: Cyanide	PB166908BL mg/L	< 0.0025	0.0025	U	0.0024	0.005	02/27/2025
Sample ID: Cyanide	PB166908TB mg/L	< 0.0025	0.0025	U	0.0024	0.005	02/27/2025

Matrix Spike Summary

Client:	Weston Solutions, Inc.	SDG No.:	Q1421
Project:	RFP 905	Sample ID:	Q1421-01
Client ID:	P001-CLAY-CF01-01MS	Percent Solids for Spike Sample:	70.3

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	2.70		0.097	J	2.8	1	93		02/25/2025

Matrix Spike Summary

Client:	Weston Solutions, Inc.	SDG No.:	Q1421
Project:	RFP 905	Sample ID:	Q1421-01
Client ID:	P001-CLAY-CF01-01MSD	Percent Solids for Spike Sample:	70.3

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	2.80		0.097	J	2.8	1	97		02/25/2025

Matrix Spike Summary

Client:	Weston Solutions, Inc.	SDG No.:	Q1421
Project:	RFP 905	Sample ID:	Q1421-04
Client ID:	P001-CLAY-CF01-01MS	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Cyanide	mg/L	75-125	0.036		0.0024	U	0.04	1	90		02/27/2025

Matrix Spike Summary

Client:	Weston Solutions, Inc.	SDG No.:	Q1421
Project:	RFP 905	Sample ID:	Q1421-04
Client ID:	P001-CLAY-CF01-01MSD	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Cyanide	mg/L	75-125	0.036		0.0024	U	0.04	1	90		02/27/2025

Duplicate Sample Summary

Client:	Weston Solutions, Inc.	SDG No.:	Q1421
Project:	RFP 905	Sample ID:	Q1421-01
Client ID:	P001-CLAY-CF01-01DUP	Percent Solids for Spike Sample:	70.3

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Cyanide	mg/Kg	+/-20	0.097	J	0.077	J	1	23	*	02/25/2025

Duplicate Sample Summary

Client:	Weston Solutions, Inc.	SDG No.:	Q1421
Project:	RFP 905	Sample ID:	Q1421-01
Client ID:	P001-CLAY-CF01-01MSD	Percent Solids for Spike Sample:	70.3

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Cyanide	mg/Kg	+/-20	2.70		2.80		1	4		02/25/2025

Duplicate Sample Summary

Client:	Weston Solutions, Inc.	SDG No.:	Q1421
Project:	RFP 905	Sample ID:	Q1421-04
Client ID:	P001-CLAY-CF01-01DUP	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Cyanide	mg/L	+/-20	0.0024	U	0.0024	U	1	0		02/27/2025

Duplicate Sample Summary

Client:	Weston Solutions, Inc.	SDG No.:	Q1421
Project:	RFP 905	Sample ID:	Q1421-04
Client ID:	P001-CLAY-CF01-01MSD	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Cyanide	mg/L	+/-20	0.036		0.036		1	0		02/27/2025

Laboratory Control Sample Summary

Client: Weston Solutions, Inc.

SDG No.: Q1421

Project: RFP 905

Run No.: LB134798

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB166860BS							
Cyanide	mg/Kg	5	4.80		96	1	85-115	02/25/2025

Laboratory Control Sample Summary

Client: Weston Solutions, Inc.

SDG No.: Q1421

Project: RFP 905

Run No.: LB134832

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB166908BS							
Cyanide	mg/L	0.1	0.096		96	1	85-115	02/27/2025