

LAB CHRONICLE

OrderID:	Q1913	OrderDate:	4/29/2025 2:15:00 PM
Client:	AECOM	Project:	Meeker Ave Plumes Superfund Site RI FS
Contact:	Amit Haryani	Location:	L21

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1913-01	WC-12-S-202504	SOIL			04/29/25 07:00			04/29/25
			Corrosivity	9045D			05/02/25 16:30	
			Ignitability	1030			05/05/25 09:35	
			Paint Filter	9095B			05/02/25 16:00	
			Reactive Cyanide	9012B		05/02/25	05/02/25 15:23	
			Reactive Sulfide	9034		05/02/25	05/02/25 15:36	
Q1913-02	WC-12-A-202504	Water			04/29/25 07:00			04/29/25
			Flash Point	1010B			05/01/25 10:15	
			pH	9040C			04/30/25 11:48	
			Reactive Cyanide	9012B		04/30/25	04/30/25 12:01	
			Reactive Sulfide	9034		05/01/25	05/01/25 11:38	
Q1913-03	WC-13-S-202504	SOIL			04/29/25 07:30			04/29/25
			Corrosivity	9045D			05/02/25 16:35	
			Ignitability	1030			05/05/25 09:50	
			Paint Filter	9095B			05/02/25 16:07	

LAB CHRONICLE

Q1913-04	WC-13-A-202504	Water	Reactive Cyanide	9012B	05/02/25	05/02/25 15:23	04/29/25 07:30	04/29/25
			Reactive Sulfide	9034	05/02/25	05/02/25 15:40		
			Flash Point	1010B		05/01/25 11:15		
			pH	9040C		04/30/25 12:00		
			Reactive Cyanide	9012B	04/30/25	04/30/25 12:01		
			Reactive Sulfide	9034	05/01/25	05/01/25 11:44		



SAMPLE DATA

A

B

C

D

Report of Analysis

Client:	AECOM	Date Collected:	04/29/25 07:00
Project:	Meeker Ave Plumes Superfund Site RI FS	Date Received:	04/29/25
Client Sample ID:	WC-12-S-202504	SDG No.:	Q1913
Lab Sample ID:	Q1913-01	Matrix:	SOIL
		% Solid:	80.5

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	8.22	H	1	0	0	pH		05/02/25 16:30	9045D
Ignitability	NO		1	0	0	oC		05/05/25 09:35	1030
Paint Filter	1.00	U	1	1.00	1.00	ml/100gm		05/02/25 16:00	9095B
Reactive Cyanide	0.010	J	1	0.0083	0.049	mg/Kg	05/02/25 13:20	05/02/25 15:23	9012B
Reactive Sulfide	3.16	J	1	0.20	10.0	mg/Kg	05/02/25 13:20	05/02/25 15:36	9034

Comments: pH result reported at temperature 22.1 °C

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:	AECOM	Date Collected:	04/29/25 07:00
Project:	Meeker Ave Plumes Superfund Site RI FS	Date Received:	04/29/25
Client Sample ID:	WC-12-A-202504	SDG No.:	Q1913
Lab Sample ID:	Q1913-02	Matrix:	Water
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Flash Point	>212		1	0	0	o F		05/01/25 10:15	1010B
pH	11.9	H	1	0	0	pH		04/30/25 11:48	9040C
Reactive Cyanide	0.00096	U	1	0.00096	0.0050	mg/L	04/30/25 08:50	04/30/25 12:01	9012B
Reactive Sulfide	0.43	U	1	0.43	1.00	mg/L	05/01/25 08:50	05/01/25 11:38	9034

Comments: Other method reference for flash point : Pensky-Martens Closed Cup Flash Point ASTM D 93 - IP 34, pH result reported at temperature

U = Not Detected

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J = Estimated Value

B = Analyte Found in Associated Method Blank

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N =Spiked sample recovery not within control limits

Report of Analysis

Client:	AECOM	Date Collected:	04/29/25 07:30
Project:	Meeker Ave Plumes Superfund Site RI FS	Date Received:	04/29/25
Client Sample ID:	WC-13-S-202504	SDG No.:	Q1913
Lab Sample ID:	Q1913-03	Matrix:	SOIL
		% Solid:	83.3

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	8.05	H	1	0	0	pH		05/02/25 16:35	9045D
Ignitability	NO		1	0	0	oC		05/05/25 09:50	1030
Paint Filter	1.00	U	1	1.00	1.00	ml/100gm		05/02/25 16:07	9095B
Reactive Cyanide	0.011	J	1	0.0083	0.050	mg/Kg	05/02/25 13:20	05/02/25 15:23	9012B
Reactive Sulfide	1.59	J	1	0.20	10.0	mg/Kg	05/02/25 13:20	05/02/25 15:40	9034

Comments: pH result reported at temperature 22.4 °C

U = Not Detected
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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:	AECOM	Date Collected:	04/29/25 07:30
Project:	Meeker Ave Plumes Superfund Site RI FS	Date Received:	04/29/25
Client Sample ID:	WC-13-A-202504	SDG No.:	Q1913
Lab Sample ID:	Q1913-04	Matrix:	Water
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Flash Point	>212		1	0	0	o F		05/01/25 11:15	1010B
pH	12.2	H	1	0	0	pH		04/30/25 12:00	9040C
Reactive Cyanide	0.00096	U	1	0.00096	0.0050	mg/L	04/30/25 08:50	04/30/25 12:01	9012B
Reactive Sulfide	0.48	J	1	0.43	1.00	mg/L	05/01/25 08:50	05/01/25 11:44	9034

Comments: Other method reference for flash point : Pensky-Martens Closed Cup Flash Point ASTM D 93 - IP 34, pH result reported at temperature

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

QC RESULT SUMMARY

Initial and Continuing Calibration Verification

Client: AECOM

SDG No.: Q1913

Project: Meeker Ave Plumes Superfund Site RI FS

RunNo.: LB135606

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV pH	pH	7.01	7	100	90-110	04/30/2025
Sample ID: CCV1 pH	pH	2.01	2.00	101	90-110	04/30/2025
Sample ID: CCV2 pH	pH	12.02	12.00	100	90-110	04/30/2025

Initial and Continuing Calibration Verification

Client: AECOM

SDG No.: Q1913

Project: Meeker Ave Plumes Superfund Site RI FS

RunNo.: LB135608

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 Reactive Cyanide	mg/L	0.092	0.099	93	85-115	04/30/2025
Sample ID: CCV1 Reactive Cyanide	mg/L	0.25	0.25	100	90-110	04/30/2025
Sample ID: CCV2 Reactive Cyanide	mg/L	0.23	0.25	92	90-110	04/30/2025
Sample ID: CCV3 Reactive Cyanide	mg/L	0.25	0.25	100	90-110	04/30/2025

Initial and Continuing Calibration Verification

Client: AECOM

SDG No.: Q1913

Project: Meeker Ave Plumes Superfund Site RI FS

RunNo.: LB135628

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV						
Flash Point	o F	82.1	81	101	78-84	05/01/2025

Initial and Continuing Calibration Verification

Client: AECOM

SDG No.: Q1913

Project: Meeker Ave Plumes Superfund Site RI FS

RunNo.: LB135649

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV Corrosivity	pH	7.01	7	100	90-110	05/02/2025
Sample ID: CCV1 Corrosivity	pH	2.02	2.00	101	90-110	05/02/2025
Sample ID: CCV2 Corrosivity	pH	12.02	12.00	100	90-110	05/02/2025

Initial and Continuing Calibration Verification

Client: AECOM

SDG No.: Q1913

Project: Meeker Ave Plumes Superfund Site RI FS

RunNo.: LB135650

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 Reactive Cyanide	mg/L	0.095	0.099	96	85-115	05/02/2025
Sample ID: CCV1 Reactive Cyanide	mg/L	0.24	0.25	96	90-110	05/02/2025
Sample ID: CCV2 Reactive Cyanide	mg/L	0.24	0.25	96	90-110	05/02/2025

Initial and Continuing Calibration Blank Summary

Client: AECOM

SDG No.: Q1913

Project: Meeker Ave Plumes Superfund Site RI FS

RunNo.: LB135608

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1 Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	04/30/2025
Sample ID: CCB1 Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	04/30/2025
Sample ID: CCB2 Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	04/30/2025
Sample ID: CCB3 Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	04/30/2025

Initial and Continuing Calibration Blank Summary

Client: AECOM

SDG No.: Q1913

Project: Meeker Ave Plumes Superfund Site RI FS

RunNo.: LB135650

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1 Reactive Cyanide	mg/L	0.0016	0.0025	J	0.00096	0.005	05/02/2025
Sample ID: CCB1 Reactive Cyanide	mg/L	0.0013	0.0025	J	0.00096	0.005	05/02/2025
Sample ID: CCB2 Reactive Cyanide	mg/L	0.00098	0.0025	J	0.00096	0.005	05/02/2025

Preparation Blank Summary

Client: AECOM

SDG No.: Q1913

Project: Meeker Ave Plumes Superfund Site RI FS

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: PB167802BL Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	04/30/2025
Sample ID: PB167824BL Reactive Sulfide	mg/L	< 0.5000	0.5000	U	0.43	1	05/01/2025
Sample ID: PB167843BL Reactive Cyanide	mg/Kg	0.011	0.0250	J	0.0084	0.05	05/02/2025
Sample ID: PB167850BL Reactive Sulfide	mg/Kg	< 5.0000	5.0000	U	0.201	10	05/02/2025

Duplicate Sample Summary

Client:	AECOM	SDG No.:	Q1913
Project:	Meeker Ave Plumes Superfund Site RI FS	Sample ID:	Q1913-01
Client ID:	WC-12-S-202504DUP	Percent Solids for Spike Sample:	80.5

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Ignitability	oC	+/-20	NO		NO		1	0		05/05/2025
Reactive Cyanide	mg/Kg	+/-20	0.010	J	0.011	J	1	10		05/02/2025
Reactive Sulfide	mg/Kg	+/-20	3.16	J	3.16	J	1	0		05/02/2025

Duplicate Sample Summary

Client:	AECOM	SDG No.:	Q1913
Project:	Meeker Ave Plumes Superfund Site RI FS	Sample ID:	Q1913-02
Client ID:	WC-12-A-202504DUP	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
Reactive Cyanide	mg/L	+/-20	0.00096	U	0.00096	U	1	0		04/30/2025
Flash Point	o F	+/-2	>212.0		>212.0		1	0		05/01/2025
Reactive Sulfide	mg/L	+/-20	0.43	U	0.43	U	1	0		05/01/2025

Duplicate Sample Summary

Client:	AECOM	SDG No.:	Q1913
Project:	Meeker Ave Plumes Superfund Site RI FS	Sample ID:	Q1913-04
Client ID:	WC-13-A-202504DUP	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
pH	pH	+/-20	12.2		12.2		1	0.08		04/30/2025

Duplicate Sample Summary

Client:	AECOM	SDG No.:	Q1913
Project:	Meeker Ave Plumes Superfund Site RI FS	Sample ID:	Q1952-01
Client ID:	CLEAN-FILLDUP	Percent Solids for Spike Sample:	100

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Paint Filter	ml/100gm	+/-20	1.00	U	1.00	U	1	0		05/02/2025

Duplicate Sample Summary

Client:	AECOM	SDG No.:	Q1913
Project:	Meeker Ave Plumes Superfund Site RI FS	Sample ID:	Q1955-01
Client ID:	LAW-25-0066DUP	Percent Solids for Spike Sample:	100

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Corrosivity	pH	+/-20	5.75		5.76		1	0.17		05/02/2025