

LAB CHRONICLE

OrderID:	P4861	OrderDate:	11/14/2024 1:44:00 PM
Client:	AECOM	Project:	Meeker Ave Plumes Superfund Site RI FS
Contact:	Amit Haryani	Location:	L41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4861-01	WC-11-A-202411	WATER			11/13/24 15:00			11/14/24
			Cyanide	9012B		11/18/24	11/18/24 13:12	
			Flash Point	1010B			11/15/24 14:25	
			pH	9040C			11/15/24 17:29	
			Reactive Cyanide	9012B		11/15/24	11/15/24 12:59	
			Reactive Sulfide	9034		11/18/24	11/19/24 10:03	



SAMPLE DATA

A

B

C

D

Report of Analysis

Client:	AECOM	Date Collected:	11/13/24 15:00
Project:	Meeker Ave Plumes Superfund Site RI FS	Date Received:	11/14/24
Client Sample ID:	WC-11-A-202411	SDG No.:	P4861
Lab Sample ID:	P4861-01	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.18		1	0.00099	0.0050	mg/L	11/18/24 08:30	11/18/24 13:12	9012B
Flash Point	>212		1	0	0	o F		11/15/24 14:25	1010B
pH	7.37	H	1	0	0	pH		11/15/24 17:29	9040C
Reactive Cyanide	0.00099	U	1	0.00099	0.0050	mg/L	11/15/24 10:20	11/15/24 12:59	9012B
Reactive Sulfide	0.43	U	1	0.43	1.00	mg/L	11/18/24 16:35	11/19/24 10:03	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



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

Initial and Continuing Calibration Verification

Client: AECOM

SDG No.: P4861

Project: Meeker Ave Plumes Superfund Site RI FS

RunNo.: LB133474

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV						
Flash Point	o F	82.1	81	101	78-84	11/15/2024

Initial and Continuing Calibration Verification

Client: AECOM

SDG No.: P4861

Project: Meeker Ave Plumes Superfund Site RI FS

RunNo.: LB133475

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	11/15/2024
Sample ID: CCV1 Reactive Cyanide	mg/L	0.24	0.25	96	90-110	11/15/2024
Sample ID: CCV2 Reactive Cyanide	mg/L	0.24	0.25	96	90-110	11/15/2024
Sample ID: CCV3 Reactive Cyanide	mg/L	0.24	0.25	96	90-110	11/15/2024
Sample ID: CCV4 Reactive Cyanide	mg/L	0.26	0.25	104	90-110	11/15/2024

Initial and Continuing Calibration Verification

Client: AECOM

SDG No.: P4861

Project: Meeker Ave Plumes Superfund Site RI FS

RunNo.: LB133477

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	ICV						
pH		pH	7.00	7	100	90-110	11/15/2024
Sample ID:	CCV1						
pH		pH	2.01	2.00	101	90-110	11/15/2024
Sample ID:	CCV2						
pH		pH	12.02	12.00	100	90-110	11/15/2024

Initial and Continuing Calibration Verification

Client: AECOM

SDG No.: P4861

Project: Meeker Ave Plumes Superfund Site RI FS

RunNo.: LB133498

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	ICV1						
Cyanide		mg/L	0.095	0.099	96	90-110	11/18/2024
Sample ID:	CCV1						
Cyanide		mg/L	0.24	0.25	96	90-110	11/18/2024
Sample ID:	CCV2						
Cyanide		mg/L	0.24	0.25	96	90-110	11/18/2024
Sample ID:	CCV3						
Cyanide		mg/L	0.26	0.25	104	90-110	11/18/2024

Initial and Continuing Calibration Blank Summary

Client: AECOM

SDG No.: P4861

Project: Meeker Ave Plumes Superfund Site RI FS

RunNo.: LB133475

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1 Reactive Cyanide	mg/L	0.001	0.0025	J	0.00099	0.005	11/15/2024
Sample ID: CCB1 Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00099	0.005	11/15/2024
Sample ID: CCB2 Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00099	0.005	11/15/2024
Sample ID: CCB3 Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00099	0.005	11/15/2024
Sample ID: CCB4 Reactive Cyanide	mg/L	0.0011	0.0025	J	0.00099	0.005	11/15/2024

Initial and Continuing Calibration Blank Summary

Client: AECOM

SDG No.: P4861

Project: Meeker Ave Plumes Superfund Site RI FS

RunNo.: LB133498

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	11/18/2024
Sample ID: CCB1 Cyanide	mg/L	< 0.0025	0.0025	U	0.00099	0.005	11/18/2024
Sample ID: CCB2 Cyanide	mg/L	< 0.0025	0.0025	U	0.00099	0.005	11/18/2024
Sample ID: CCB3 Cyanide	mg/L	< 0.0025	0.0025	U	0.00099	0.005	11/18/2024

Preparation Blank Summary

Client: AECOM

SDG No.: P4861

Project: Meeker Ave Plumes Superfund Site RI FS

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: PB165009BL Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00099	0.005	11/15/2024
Sample ID: PB165017BL Cyanide	mg/L	< 0.0025	0.0025	U	0.00099	0.005	11/18/2024
Sample ID: PB165069BL Reactive Sulfide	mg/L	< 0.5000	0.5000	U	0.43	1	11/19/2024

Matrix Spike Summary

Client:

AECOM

Project:

Meeker Ave Plumes Superfund Site RI FS

Client ID:

WC-10-A-202411MS

SDG No.:

P4861

Sample ID:

P4871-01

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	0.048		0.0034	J	0.04	1	112		11/18/2024

Matrix Spike Summary

Client:

AECOM

Project:

Meeker Ave Plumes Superfund Site RI FS

Client ID:

WC-10-A-202411MSD

SDG No.:

P4861

Sample ID:

P4871-01

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	0.047		0.0034	J	0.04	1	109		11/18/2024

Duplicate Sample Summary

Client:	AECOM	SDG No.:	P4861
Project:	Meeker Ave Plumes Superfund Site RI FS	Sample ID:	P4812-03
Client ID:	270DUP	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	0.00099	U	0.00099	U	1	0		11/15/2024

Duplicate Sample Summary

Client: AECOM **SDG No.:** P4861
Project: Meeker Ave Plumes Superfund Site RI FS **Sample ID:** P4861-01
Client ID: WC-11-A-202411DUP **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	7.37		7.38		1	0.14		11/15/2024
Reactive Sulfide	mg/L	+/-20	0.43	U	0.43	U	1	0		11/19/2024



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Duplicate Sample Summary

Client:

AECOM

Project:

Meeker Ave Plumes Superfund Site RI FS

Client ID:

WC-10-A-202411DUP

SDG No.:

P4861

Sample ID:

P4871-01

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
Flash Point	o F	+/-2	>212.0		>212.0		1	0		11/15/2024
Cyanide	mg/L	+/-20	0.0034	J	0.0025	J	1	31	*	11/18/2024

Duplicate Sample Summary

Client:	AECOM	SDG No.:	P4861
Project:	Meeker Ave Plumes Superfund Site RI FS	Sample ID:	P4871-01
Client ID:	WC-10-A-202411MSD	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	0.048		0.047		1	2		11/18/2024

Laboratory Control Sample Summary

Client: AECOM

SDG No.: P4861

Project: Meeker Ave Plumes Superfund Site RI FS

Run No.: LB133498

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB165017BS							
Cyanide	mg/L	0.1	0.095		95	1	85-115	11/18/2024