

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

Cover Page

																				Ordor ID · D/1871
					Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Didei ID . 170/1								
					Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Older ID . 170/1								
					Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Oluci ID . Tab/ I								
					Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Oluci ID . Paori				
					Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Older ID . Factor									
					Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Oluci ID . Paori				
					Order ID: P48/1	Order ID: P4871	Didei ID . Facti													
					Order ID: P48/1	Order ID: P4871	Didei ID . Facti													
					Order ID: P48/1	Order ID: P4871	Didei ID . Facti													
					Order ID: P48/1	Order ID: P48/1	Order ID: P48/1	Order ID: P48/1	Order ID: P48/1	Order ID: P4871	Oluci ID . TTO/I									
					Order ID: P48/1	Order ID: P48/1	Order ID: P48/1	Order ID: P48/1	Order ID: P48/1	Order ID: P4871	Oluci ID . TTO/I									
					Order ID: P48/1	Order ID: P48/1	Order ID: P48/1	Order ID: P48/1	Order ID: P48/1	Order ID: P4871	Diuci ID . TTO/I									
					Order ID: P48/1	Order ID: P48/1	Order ID: P48/1	Order ID: P48/1	Order ID: P48/1	Order ID: P4871	Diuci ID . TTO/I									
					Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Diuci ID . 170/1									
					Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Diuci ID . 170/1									
					Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Diuci ID . 170/1									
					Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Diuci ID . 170/1									
					Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Diuci ID . Paori									
					Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Diuci ID . Paori									
					Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Didei ID . Pagri									
					Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Didei ID . Pagri									
					Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Didei ID . Pagri									
					Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Didei ID . Pagri									
					Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Didei ID . Pagri									
					Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Didei ID . Pagri									
					Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Didei ID . Paori									
					Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Didei ID . Paori									
					Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Didei ID . Paori									
					Order ID: P48/1	Order ID: P48/1	Order ID: P48/1	Order ID: P48/1	Order ID: P48/1	Order ID: P4871	Didei ID . Pao/i									
					Order ID: P48/1	Order ID: P48/1	Order ID: P48/1	Order ID: P48/1	Order ID: P48/1	Order ID: P4871	Didei ID . Pao/i									
					Order ID: P4871	Order ID: P48/1	Order ID: P48/1	Order ID: P48/1	Order ID: P48/1	Order ID: P4871	Oluciid . Pacti									
					Order ID: P4871	Order ID: P48/1	Order ID: P48/1	Order ID: P48/1	Order ID: P48/1	Order ID: P4871	Oluciid . Pacti									
					Order ID: P4871	Order ID: P48/1	Order ID: P48/1	Order ID: P48/1	Order ID: P48/1	Order ID: P4871	Oluciid . Pacti									
					Order ID: P4871	Order ID: P48/1	Order ID: P48/1	Order ID: P48/1	Order ID: P48/1	Order ID: P4871	Oluciid . Pacti									
					Order ID: P4871	Order ID: P48/1	Order ID: P48/1	Order ID: P48/1	Order ID: P48/1	Order ID: P4871	Didei ID . FTO/I									
					Order ID: P4871	Order ID: P48/1	Order ID: P48/1	Order ID: P48/1	Order ID: P48/1	Order ID: P4871	Didei ID . FTO/I									
					Order ID: P4871	Order ID: P48/1	Order ID: P48/1	Order ID: P48/1	Order ID: P48/1	Order ID: P4871	Didei ID . FTO/I									
					Order ID: P4871	Order ID: P48/1	Order ID: P48/1	Order ID: P48/1	Order ID: P48/1	Order ID: P4871	Didei ID . FTO/I									
					Order ID: P4871	Order ID: P48/1	Order ID: P48/1	Order ID: P48/1	Order ID: P48/1	Order ID: P4871	Didei ID . FTO/I									
					Order ID: P4871	Order ID: P48/1	Order ID: P48/1	Order ID: P48/1	Order ID: P48/1	Order ID: P4871										
					Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871										
					Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871										
0.00. ==	0.00. ==	0.00. ==	0.00. ==		Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871										
0.00. ==	0.00. ==	0.00. ==	0.00. ==		Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871										
0.00. ==	0.00. ==	0.00. ==	0.00. ==		Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871										
0.00. ==	0.00. ==	0.00. ==	0.00. ==		Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871										
O. 40. 10. 1 10. 1	0.46. 12 .	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871													
O. 40. 10. 1 10. 1	0.46. 12 .	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871													
O. 40. 10. 1 10. 1	0.46. 12 .	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871												
014C1 1071	014C1 1071	014C1 1071	014C1 1071	Oluci ID I 10/1	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871									
014C1 1071	014C1 1071	014C1 1071	014C1 1071	Oluci ID I 10/1	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871	Order ID: P4871										
OldC: 1071	OldC: 1071	Oluci 1071	Oluci 1071	Older ID 1 10/1	Order ID · P4871	Order ID · P4871	Order ID · P4871	Order ID · P4871	Order ID · P4871	Order ID · P4871	Order ID · P4871									
Older ID : 1407 I	Oluci ID i 1107 I	Order ID · P4871	Order ID · P4871	Order ID · P4871	Order ID · P4871	Order ID · P4871	Order ID · P4871	Order ID · P4871												
Older ID : 1407 I	Oluci ID i 1107 I	Order ID · P4871	Order ID · P4871	Order ID · P4871	Order ID · P4871	Order ID · P4871	Order ID · P4871	Order ID · P4871												
Older ID: 14071	Older ID: 14071	Older ID: 14071	Older ID: 14071	Older ID i 1 107 I	Order ID · P4871	Order ID· P4871	Order ID· P4871	Order ID· P4871	Order ID· P4871	Order ID · P4871	Order ID · P4871	Order ID · P4871	Order ID · P4871	Order ID· P4871	Order ID· P4871					
Older ID: 14071	Older ID: 14071	Older ID: 14071	Older ID: 14071	Older ID i 1 107 I	Order ID · P4871	Order ID · P4871	Order ID · P4871	Order ID · P4871	Order ID · P4871	Order ID · P4871										
Older ID : 1407 I	Oluci ID i 1107 I	Order ID · P4871	Order ID · P4871	Order ID · P4871	Order ID · P4871	Order ID · P4871	Order ID · P4871													
Older ID . 17071	Older ID . 170/1	Older ID . 170/1	Older ID . 170/1	Oluci ID . 170/I	Order ID · P4871	Order ID · P4871	Order ID · P4871	Order ID · P4871	Order ID · P4871	Order ID · P4871										
Older ID . 170/1	Oluci ID . 170/I	Order ID · P4871	Order ID · P4871	Order ID · P4871	Order ID · P4871	Order ID · P4871	Order ID · P4871													
Older ID . 170/1	Oluci ID . 170/I	Order ID · P4871	Order ID · P4871	Order ID · P4871	Order ID · P4871	Order ID · P4871	Order ID · P4871													
Older ID . 170/1	Oluci ID . 170/I	Order ID: D/871	Order ID : D/871	Order ID : D/871	Order ID : D/871	Order ID : D/871	Order ID · D/871	Order ID · D/871	Order ID · D/871	Order ID · D/871	Order ID · D/1871	Order ID · D/1871								
Older ID . Factor	Oluci ID . Paori	Order ID: D/871	Order ID : D/871	Order ID : D/871	Order ID : D/871	Order ID : D/871	Order ID · D/871	Order ID · D/871	Order ID · D/871	Order ID · D/871	Order ID · D/1871	Order ID · D/1871								
Older ID . Factor	Oluci ID . Paori	Order ID: D/871	Order ID : D/871	Order ID : D/871	Order ID : D/871	Order ID : D/871	Order ID : D/871	Order ID : D/871	Order ID : D/871	Order ID : D/871	Order ID · D/871	Order ID · D/871	Order ID · D/871	Order ID · D/871	Order ID · D/1871	Order ID · D/1871				
Older ID . Factor	Oluci ID . Paori	Order ID : D/871	Order ID · D/871	Order ID · D/871	Order ID · D/871	Order ID · D/871	Order ID · D/1871	Order ID · D/1871												
Older ID . Factor	Oluci ID . Paori	Order ID : D/871	Order ID · D/871	Order ID · D/871	Order ID · D/871	Order ID · D/871	Order ID · D/1871	Order ID · D/1871												
Oluci ID . F-0/I	Oluci ID . F-0/I	Oluci ID . 1707 I	Oluci ID . F-0/I	Oluci ID . Paori	Ordor ID: D/1971	Order ID: D/971														
Older ID . P40/1	Oluei ID . P40/1	Ordor ID: D/1971	Order ID: D/971	Order ID: D/971	Order ID: D/971	Order ID: D/971	Ordor ID: D/971	Ordor ID: D/971												
Older ID . P40/1	Oluei ID . P40/1	Ordor ID: D/1971	Order ID: D/971	Order ID: D/971	Order ID: D/971	Order ID: D/971	Ordor ID: D/971	Ordor ID: D/971												
Oluei ID . F40/1	Oluci ID . F40/1	Ordor ID: D/1971	Order ID: D/971																	
Oluei ID . F40/1	Oluci ID . F40/1	Order ID : D/071	Ordor ID D/071	Ordor ID D/071	Ordor ID D/071	Ordor ID D/071	Ordor ID : D/971	Ordor ID : D/1971	Ordor ID : D/1971											
Oluei ID . F40/1	Oluci ID . F40/1	Order ID : D/071	Ordor ID D/071	Ordor ID D/071	Ordor ID D/071	Ordor ID D/071	Ordor ID : D/971	Ordor ID : D/1971	Ordor ID : D/1971											
Older ID: P40/1	Older ID: P40/1	Older ID: P40/1	Older ID: P40/1	Oluei ID: P40/1	Order ID : D/071	Ordor ID D/071	Ordor ID D/071	Ordor ID D/071	Ordor ID D/071	Ordor ID : D/971	Ordor ID : D/1971	Ordor ID : D/1971								
Older ID: P40/1	Ordor ID : D/071	Nedae ID I D/071	Ordor ID : D/971	Ordor ID : D/1971	Ordor ID : D/1971															
Older ID: P40/1	Ordor ID : D/071	Nedae ID I D/071	Ordor ID : D/971	Ordor ID : D/1971	Ordor ID : D/1971															
Older ID: P40/1	Ordor ID : D/071	Nedae ID I D/071	Ordor ID : D/971	Ordor ID : D/1971	Ordor ID : D/1971															
Older ID: P40/1	Nuder ID: 0/071	Nudau ID : D/071	Nudau ID : D/071	Oudou ID . D/071	Oudou ID . D/071	Oudou ID . D/071	Oudou ID . D/071	Order ID : D/071	Order ID : D/071											
Older ID: P40/1	Nuder ID: 0/071	Nudau ID : D/071	Oudou ID . D/071	Oudou ID . D/071	Oudou ID . D/071	Oudou ID . D/071	Order ID : D/071	Order ID : D/071												
Order ID: P46/1	Order ID: P46/1	Order ID: P46/1	Order ID: P46/1	Order ID: P40/1	Nuder ID: 0/071	Nudau ID : D/071	Oudou ID . D/071	Oudou ID . D/071	Oudou ID . D/071	Oudou ID . D/071	Order ID : D/071	Order ID : D/071								
Order ID: P46/1	Order ID: P46/1	Order ID: P46/1	Order ID: P46/1	Order ID: P40/1	Nuder ID: 0/071	Nudau ID : D/071	Oudou ID . D/071	Oudou ID . D/071	Oudou ID . D/071	Oudou ID . D/071	Order ID : D/071	Order ID : D/071								
Order ID: P46/1	Order ID: P46/1	Order ID: P46/1	Order ID: P46/1	Order ID: P40/1	Nuder ID: 0/071	Nudau ID : D/071	Oudou ID . D/071	Oudou ID . D/071	Oudou ID . D/071	Oudou ID . D/071	Order ID : D/071	Order ID : D/071								
Order ID: P46/1	Order ID: P46/1	Order ID: P46/1	Order ID: P46/1	Order ID: P40/1					Nuder ID: 0/071	Nudau ID : D/071	Nudau ID : D/071	Nudau ID : D/071	Nuder ID: 0/071	Oudou ID . D/071	Order ID : D/071	Order ID : D/071				
Order ID: P46/1	Order ID: P46/1	Order ID: P46/1	Order ID: P46/1	Order ID: P40/1											Ouder ID . D/071					
Order ID: P46/1	Order ID: P46/1	Order ID: P46/1	Order ID: P46/1	Order ID: P40/1													Ouder ID . D/071	Ouder ID . D/071	Ouder ID . D/071	
Order 1D: P48/1	Order 1D: P48/1	Order 1D: P48/1	Order 1D: P48/1	Order 1D: P48/1														Ouder ID . D/071	Ouder ID . D/071	
Order 1D: P48/1	Order 1D: P48/1	Order 1D: P48/1	Order 1D: P48/1	Order 1D: P48/1															Ouder ID . D/071	
Order 1D: P48/1	Order 1D: P48/1	Order 1D: P48/1	Order 1D: P48/1	Order 1D: P48/1																
Order 1D: P48/1	Order 1D: P48/1	Order 1D: P48/1	Order 1D: P48/1	Order 1D: P48/1																
Order 1D: P48/1	Order 1D: P48/1	Order 1D: P48/1	Order 1D: P48/1	Order 1D: P48/1																
Order 1D: P48/1	Order 1D: P48/1	Order 1D: P48/1	Order 1D: P48/1	Order 1D: P48/1																
Order 1D: P48/1	Order 1D: P48/1	Order 1D: P48/1	Order 1D: P48/1	Order 1D: P48/1																
Order 1D: P48/1	Order 1D: P48/1	Order 1D: P48/1	Order 1D: P48/1	Order ID: P48/1																
Order 1D: P48/1	Order 1D: P48/1	Order 1D: P48/1	Order 1D: P48/1	Order 1D: P48/1																
Order 1D: P48/1	Order 1D: P48/1	Order 1D: P48/1	Order 1D: P48/1	Order 1D: P48/1																
Order 1D: P48/1	Order 1D: P48/1	Order 1D: P48/1	Order 1D: P48/1	Order 1D: P48/1																
Order 1D: P48/1	Order 1D: P48/1	Order 1D: P48/1	Order 1D: P48/1	Order ID: P48/1																
Order 1D: P48/1																				
Order ID: P48/1	Order ID: P48/1	Order 1D: P48/1	Order ID: P48/1	Order 1D: P48/1																
Order ID: P48/1	Order ID: P48/1	Order 1D: P48/1	Order ID: P48/1	Order 1D: P48/1																
Order ID: P48/1																				
Order ID: P48/1	Order ID: P48/1	Order 1D: P48/1	Order ID: P48/1	Order 1D: P48/1																
Order 1D: P48/1																				
Order ID: P48/1	Order ID: P48/1	Order ID: P48/1	Order ID: P48/1	Order ID: P48/1																
Order ID: P48/1	Order ID: P48/1	Order ID: P48/1	Order ID: P48/1	Order ID: P48/1																
Order ID: P48/1	Order ID: P48/1	Order ID: P48/1	Order ID: P48/1	Order ID: P48/1																
Order ID: P48/1	Order ID: P48/1	Order ID: P48/1	Order ID: P48/1	Order ID: P48/1																
Order ID: P48/1	Order ID: P48/1	Order ID: P48/1	Order ID: P48/1	Order ID: P48/1																
Order ID: P48/1	Order ID: P48/1	Order ID: P48/1	Order ID: P48/1	Order ID: P48/1																
Order ID: P48/1																				
Order ID: P48/1																				
Order ID: P48/1																				
Order ID: P48/1																				
Order ID: P48/1																				
Order ID: P4871																				
Order ID: P4871																				
Order ID: P4871																				
Order ID: P4871																				
Order ID: P4871																				

Project ID: Meeker Ave Plumes Superfund Site RI FS

Client: AECOM

Lab Sample Number Client Sample Number

P4871-01 WC-10-A-202411

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature :		
Signature .	 ito 1	11/27/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



AECOM

Project Name: Meeker Ave Plumes Superfund Site RI FS

Project # N/A

Chemtech Project # P4871 Test Name: TCLP VOA

A. Number of Samples and Date of Receipt:

1 Water sample was received on 11/14/2024.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Corrosivity, Cyanide, Flash Point, Paint Filter, PCB, pH, Reactive Cyanide, Reactive Sulfide, TCLP BNA, TCLP Extraction, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TCLP Pesticide, TCLP VOA and TCLP ZHE Extraction. This data package contains results for TCLP VOA.

C. Analytical Techniques:

The analysis performed on instrument MSVOA_N were done using GC column RXI-624SIL MS 30m 0.25mm 1.4 um. Cat#13868.The analysis of TCLP VOA was based on method 8260D and TCLP extraction method was 1311.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The RPD met criteria.

The Blank Spike met requirements for all samples.

The Blank Spike Duplicate met requirements for all samples.

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements.

The Tuning criteria met requirements.

Sample WC-10-A-202411 was diluted due to high concentration.

E. Additional Comments:

Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

Trip Blank was not provided with this set of samples.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial



Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

Signature		
Dignature		





AECOM

Project Name: Meeker Ave Plumes Superfund Site RI FS

Project # N/A

Chemtech Project # P4871 Test Name: TCLP BNA

A. Number of Samples and Date of Receipt:

1 Water sample was received on 11/14/2024.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Corrosivity, Cyanide, Flash Point, Paint Filter, PCB, pH, Reactive Cyanide, Reactive Sulfide, TCLP BNA, TCLP Extraction, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TCLP Pesticide, TCLP VOA and TCLP ZHE Extraction. This data package contains results for TCLP BNA.

C. Analytical Techniques:

The samples were analyzed on instrument BNA_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um dfThe analysis of TCLP BNA was based on method 8270E and extraction was done based on method 3510 and TCLP extraction method was 1311.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Internal Standards Areas met the acceptable requirements except for WC-10-A-

202411, which is not associated for required compound.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds.

The MSD recoveries met the acceptable requirements.

The RPD met criteria.

The Blank Spike for {PB165052BS} with File ID: BF140596.D met requirements for all samples except for Pyridine[99%]. But associated samples have not positive hit for this compound therefore no corrective action was taken.

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements .

The Tuning criteria met requirements.

E. Additional Comments:

The Form 6 is not included in the data package because the Initial Calibration was performed using 8 points.



Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

Signature	
DISHUULUIC	



AECOM

Project Name: Meeker Ave Plumes Superfund Site RI FS

Project # N/A

Chemtech Project # P4871 Test Name: TCLP Pesticide

A. Number of Samples and Date of Receipt:

1 Water sample was received on 11/14/2024.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Corrosivity, Cyanide, Flash Point, Paint Filter, PCB, pH, Reactive Cyanide, Reactive Sulfide, TCLP BNA, TCLP Extraction, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TCLP Pesticide, TCLP VOA and TCLP ZHE Extraction. This data package contains results for TCLP Pesticide.

C. Analytical Techniques:

The analysis was performed on instrument ECD_L. The front column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 7HMG017- 11 The rear column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0. 5 um df,: Catalog # 7HM-G016-17. .The analysis of TCLP Pesticides was based on method 8081B and extraction was done based on method 3510 and TCLP extraction method was 1311.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds.

The MSD recoveries met the acceptable requirements.

The RPD met criteria.

The Blank Spike met requirements for all samples.

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements .

The Continuous Calibration met the requirements.

E. Additional Comments:

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.





Signature		
Signature		



AECOM

Project Name: Meeker Ave Plumes Superfund Site RI FS

Project # N/A

Chemtech Project # P4871

Test Name: PCB

A. Number of Samples and Date of Receipt:

1 Water sample was received on 11/14/2024.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Corrosivity, Cyanide, Flash Point, Paint Filter, PCB, pH, Reactive Cyanide, Reactive Sulfide, TCLP BNA, TCLP Extraction, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TCLP Pesticide, TCLP VOA and TCLP ZHE Extraction. This data package contains results for PCB.

C. Analytical Techniques:

The analyses were performed on instrument GCECD_P. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 μ m; Catalogue # 7HM-G017-11. The analysis of PCBs was based on method 8082A and extraction was done based on method 3510.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Retention Times were acceptable for all samples.

The RPD met criteria.

The Blank Spike met requirements for all samples.

The Blank Spike Duplicate met requirements for all samples.

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements .

E. Additional Comments:

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.





Signature		
Signature		



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

CASE NARRATIVE

AECOM

Project Name: Meeker Ave Plumes Superfund Site RI FS

Project # N/A

Chemtech Project # P4871

Test Name: TCLP Mercury, TCLP ICP Metals

A. Number of Samples and Date of Receipt:

1 Water sample was received on 11/14/2024.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Corrosivity, Cyanide, Flash Point, Paint Filter, PCB, pH, Reactive Cyanide, Reactive Sulfide, TCLP BNA, TCLP Extraction, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TCLP Pesticide, TCLP VOA and TCLP ZHE Extraction. This data package contains results for TCLP Mercury, TCLP ICP Metals.

C. Analytical Techniques:

The analysis of TCLP ICP Metals was based on method 6010D, digestion based on method 3010 (waters). The analysis and digestion of TCLP Mercury was based on method 7470A and TCLP extraction method was 1311.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Blank Spike met requirements for all samples.

The Duplicate analysis met criteria for all samples.

The Matrix Spike analysis met criteria for all samples.

The Matrix Spike Duplicate analysis met criteria for all samples.

The Blank analysis did not indicate the presence of lab contamination.

The Calibration met the requirements.

The Serial Dilution met the acceptable requirements.

E. Additional Comments:

Cianotura		
		Signature_



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

CASE NARRATIVE

AECOM

Project Name: Meeker Ave Plumes Superfund Site RI FS

Project # N/A

Chemtech Project # P4871

Test Name: pH,Cyanide,Flash Point,Reactive Cyanide,Reactive Sulfide

A. Number of Samples and Date of Receipt:

1 Water sample was received on 11/14/2024.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Corrosivity, Cyanide, Flash Point, Paint Filter, PCB, pH, Reactive Cyanide, Reactive Sulfide, TCLP BNA, TCLP Extraction, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TCLP Pesticide, TCLP VOA and TCLP ZHE Extraction. This data package contains results for pH,Cyanide,Flash Point,Reactive Cyanide,Reactive Sulfide.

C. Analytical Techniques:

The analysis of Flash Point was based on method 1010B, The analysis of Cyanide, Reactive Cyanide was based on method 9012B, The analysis of Reactive Sulfide was based on method 9034 and The analysis of pH was based on method 9040C.

D. QA/ QC Samples:

The Holding Times were met for all samples except for WC-10-A-202411 of pH as sample was receive out of holding time.

The Blank Spike met requirements for all samples.

The Duplicate (WC-10-A-202411DUP) analysis met criteria for all samples except for Cyanide due to the results are below Reporting limit.

The Matrix Spike analysis met criteria for all samples.

The Matrix Spike Duplicate analysis met criteria for all samples.

The Blank analysis did not indicate the presence of lab contamination.

The Calibration met the requirements.

E. Additional Comments:

Signature			
Signature_			



DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following "Results Qualifiers" are used:

J	Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	Indicates the analyte was analyzed for, but not detected.
ND	Indicates the analyte was analyzed for, but not detected
E	Indicates the reported value is estimated because of the presence of interference
M	Indicates Duplicate injection precision not met.
N	Indicates the spiked sample recovery is not within control limits.
S	Indicates the reported value was determined by the Method of Standard Addition (MSA).
*	Indicates that the duplicate analysis is not within control limits.
+	Indicates the correlation coefficient for the MSA is less than 0.995.
D	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers "P" for ICP instrument "PM" for ICP when Microwave Digestion is used "CV" for Manual Cold Vapor AA "AV" for automated Cold Vapor AA "CA" for MIDI-Distillation Spectrophotometric "AS" for Semi –Automated Spectrophotometric "C" for Manual Spectrophotometric "T" for Titrimetric "NR" for analyte not required to be analyzed Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.
Q	Indicates the LCS did not meet the control limits requirements
Н	Sample Analysis Out Of Hold Time



DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following "Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
В	 Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others. Indicates the analyte was found in the blank as well as the sample report as "12 B".
Е	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements





APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: P4871

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication, airbill, sample management lab chronicle, login page)	<u> </u>
Check chain-of-custody for proper relinquish/return of samples	<u> </u>
Is the chain of custody signed and complete	<u> </u>
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	<u> </u>
Collect information for each project id from server. Were all requirements followed	<u> </u>
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	<u> </u>
Do lab numbers and client Ids on cover page agree with the Chain of Custody	<u> </u>
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	<u> </u>
Do requested analyses on Chain of Custody agree with the log-in page	<u> </u>
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	<u> </u>
Were the samples received within hold time	<u> </u>
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	<u> </u>
ANALYTICAL:	
Was method requirement followed?	<u> </u>
Was client requirement followed?	<u> </u>
Does the case narrative summarize all QC failure?	<u> </u>
All runlogs and manual integration are reviewed for requirements	<u> </u>
All manual calculations and /or hand notations verified	<u> </u>

QA Review Signature: PRADIP PRAJAPATI Date: 11/27/2024