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

LAB CHRONICLE

OrderID:	Q1956	**OrderDate:**	5/2/2025 3:14:35 PM
Client:	CDM Smith	**Project:**	Bergen Point Fueling System
Contact:	Marcie Ann Encinas	**Location:**	L31,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1956-05	**COMP1**	**SOIL**			**05/02/25 13:30**			**05/02/25**
			Corrosivity	9045D			05/05/25 15:20	
			Ignitability	1030			05/05/25 13:50	
			Reactive Cyanide	9012B		05/07/25	05/07/25 14:07	
			Reactive Sulfide	9034		05/07/25	05/07/25 12:06	

SAMPLE DATA

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25 13:30
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	COMP1	SDG No.:	Q1956
Lab Sample ID:	Q1956-05	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	7.52	H	1	0	0	pH		05/05/25 15:20	9045D
Ignitability	NO		1	0	0	oC		05/05/25 13:50	1030
Reactive Cyanide	0.011	J	1	0.0084	0.050	mg/Kg	05/07/25 09:00	05/07/25 14:07	9012B
Reactive Sulfide	1.59	J	1	0.20	10.0	mg/Kg	05/07/25 09:00	05/07/25 12:06	9034

Comments: pH result reported at temperature 21.2 °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

QC RESULT SUMMARY

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Initial and Continuing Calibration Verification

Client: CDM Smith **SDG No.:** Q1956

Project: Bergen Point Fueling System **RunNo.:** LB135675

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	ICV						
Corrosivity		pH	7.01	7	100	90-110	05/05/2025
Sample ID:	CCV1						
Corrosivity		pH	2.01	2.00	101	90-110	05/05/2025
Sample ID:	CCV2						
Corrosivity		pH	12.02	12.00	100	90-110	05/05/2025

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Initial and Continuing Calibration Verification

Client: CDM Smith **SDG No.:** Q1956

Project: Bergen Point Fueling System **RunNo.:** LB135696

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1						
Reactive Cyanide	mg/L	0.093	0.099	94	85-115	05/07/2025
Sample ID: CCV1						
Reactive Cyanide	mg/L	0.25	0.25	100	90-110	05/07/2025
Sample ID: CCV2						
Reactive Cyanide	mg/L	0.24	0.25	96	90-110	05/07/2025

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Initial and Continuing Calibration Blank Summary

Client: CDM Smith **SDG No.:** Q1956

Project: Bergen Point Fueling System **RunNo.:** LB135696

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	05/07/2025
Sample ID: CCB1							
Reactive Cyanide	mg/L	0.00098	0.0025	J	0.00096	0.005	05/07/2025
Sample ID: CCB2							
Reactive Cyanide	mg/L	0.0011	0.0025	J	0.00096	0.005	05/07/2025

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Preparation Blank Summary

Client: CDM Smith **SDG No.:** Q1956

Project: Bergen Point Fueling System

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: PB167874BL							
Reactive Cyanide	mg/Kg	< 0.0250	0.0250	U	0.0084	0.05	05/07/2025
Sample ID: PB167881BL							
Reactive Sulfide	mg/Kg	< 5.0000	5.0000	U	0.201	10	05/07/2025

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Duplicate Sample Summary

Client: CDM Smith
Project: Bergen Point Fueling System
Client ID: MH-PDUP
SDG No.: Q1956
Sample ID: Q1947-01
Percent Solids for Spike Sample: 79.5

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

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Duplicate Sample Summary

Client: CDM Smith
Project: Bergen Point Fueling System
Client ID: COMP1DUP
SDG No.: Q1956
Sample ID: Q1956-05
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	7.52		7.53		1	0.13		05/05/2025
Reactive Cyanide	mg/Kg	+/-20	0.011	J	0.013	J	1	17		05/07/2025
Reactive Sulfide	mg/Kg	+/-20	1.59	J	1.58	J	1	0.63		05/07/2025