

LAB CHRONICLE

OrderID:	Q3434	OrderDate:	10/22/2025 1:40:00 PM
Client:	AECOM	Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Contact:	Rob Forstner	Location:	D41,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3434-01	PR132-WC1-2025102 2	SOIL			10/22/25 10:18			10/22/25
			Corrosivity	9045D			10/22/25 15:44	
			Ignitability	1030			10/24/25 09:50	
			Reactive Cyanide	9012B		10/24/25	10/24/25 14:37	
			Reactive Sulfide	9034		10/24/25	10/24/25 13:33	
Q3434-02	PR132-WC2-2025102 2	Water			10/22/25 10:30			10/22/25
			Flash Point	1010B			10/23/25 09:30	
			pH	9040C			10/23/25 08:50	
			Reactive Cyanide	9012B		10/24/25	10/24/25 14:37	
			Reactive Sulfide	9034		10/24/25	10/24/25 13:23	
			TPH	1664A			10/27/25 10:30	



SAMPLE DATA

A

B

C

D

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-WC1-20251022
Lab Sample ID: Q3434-01

Date Collected: 10/22/25 10:18
Date Received: 10/22/25
SDG No.: Q3434
Matrix: SOIL
% Solid: 57.9

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	8.62	H	1	0	0	pH		10/22/25 15:44	9045D
Ignitability	NO		1	0	0	oC		10/24/25 09:50	1030
Reactive Cyanide	0.049	U	1	0.0083	0.049	mg/Kg	10/24/25 12:15	10/24/25 14:37	9012B
Reactive Sulfide	3.17	J	1	0.20	10.0	mg/Kg	10/24/25 11:15	10/24/25 13:33	9034

Comments: pH result reported at temperature 20.1 °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
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-WC2-20251022
Lab Sample ID: Q3434-02

Date Collected: 10/22/25 10:30
Date Received: 10/22/25
SDG No.: Q3434
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		10/23/25 09:30	1010B
pH	7.77	H	1	0	0	pH		10/23/25 08:50	9040C
Reactive Cyanide	0.0050	U	1	0.00096	0.0050	mg/L	10/24/25 12:15	10/24/25 14:37	9012B
Reactive Sulfide	1.00	U	1	0.43	1.00	mg/L	10/24/25 11:15	10/24/25 13:23	9034
TPH	3.40	J	1	0.29	5.00	mg/L		10/27/25 10:30	1664A

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.: Q3434

Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206

RunNo.: LB137618

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: Corrosivity	ICV	pH	7.00	7	100	90-110	10/22/2025
Sample ID: Corrosivity	CCV1	pH	2.01	2.00	101	90-110	10/22/2025
Sample ID: Corrosivity	CCV2	pH	12.02	12.00	100	90-110	10/22/2025

Initial and Continuing Calibration Verification

Client: AECOM

SDG No.: Q3434

Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206

RunNo.: LB137621

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV pH	pH	7.00	7	100	90-110	10/23/2025
Sample ID: CCV1 pH	pH	2.01	2.00	101	90-110	10/23/2025
Sample ID: CCV2 pH	pH	12.02	12.00	100	90-110	10/23/2025

Initial and Continuing Calibration Verification

Client: AECOM

SDG No.: Q3434

Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206

RunNo.: LB137627

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV						
Flash Point	o F	82.7	81	102	78-84	10/23/2025

Initial and Continuing Calibration Verification

Client: AECOM

SDG No.: Q3434

Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206

RunNo.: LB137639

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 Reactive Cyanide	mg/L	0.096	0.099	97	85-115	10/24/2025
Sample ID: CCV1 Reactive Cyanide	mg/L	0.24	0.25	96	90-110	10/24/2025
Sample ID: CCV2 Reactive Cyanide	mg/L	0.24	0.25	96	90-110	10/24/2025
Sample ID: CCV3 Reactive Cyanide	mg/L	0.25	0.25	100	90-110	10/24/2025

Initial and Continuing Calibration Blank Summary

Client: AECOM

SDG No.: Q3434

Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206

RunNo.: LB137639

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	10/24/2025
Sample ID: CCB1 Reactive Cyanide	mg/L	0.0017	0.0025	J	0.00096	0.005	10/24/2025
Sample ID: CCB2 Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	10/24/2025
Sample ID: CCB3 Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	10/24/2025

Preparation Blank Summary

Client: AECOM

SDG No.: Q3434

Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB137651BL TPH	mg/L	< 2.5000	2.5000	U	0.29	5.0	10/27/2025
Sample ID: PB170241BL Reactive Cyanide	mg/Kg	< 0.0250	0.0250	U	0.0084	0.05	10/24/2025
Sample ID: PB170244BL Reactive Sulfide	mg/Kg	< 5.0000	5.0000	U	0.201	10	10/24/2025
Sample ID: PB170245BL Reactive Sulfide	mg/L	< 0.5000	0.5000	U	0.43	1	10/24/2025
Sample ID: PB170248BL Reactive Cyanide	mg/L	0.0014	0.0025	J	0.00096	0.005	10/24/2025

Duplicate Sample Summary

Client: AECOM	SDG No.: Q3434
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Sample ID: LB137651BS
Client ID: LB137651BSD	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
TPH	mg/L	+/-18	16.7		17.0		1	1.78		10/27/2025

Duplicate Sample Summary

Client: AECOM	SDG No.: Q3434
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Sample ID: Q3427-01
Client ID: TP-8DUP	Percent Solids for Spike Sample: 90.3

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		10/24/2025

Duplicate Sample Summary

Client:	AECOM	SDG No.:	Q3434
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Sample ID:	Q3427-04
Client ID:	TP-8DUP	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	6.20		6.22		1	0.32		10/22/2025
Reactive Cyanide	mg/Kg	+/-20	0.0083	U	0.0083	U	1	0		10/24/2025

Duplicate Sample Summary

Client:	AECOM	SDG No.:	Q3434
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Sample ID:	Q3434-01
Client ID:	PR132-WC1-20251022DUP	Percent Solids for Spike Sample:	57.9

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Reactive Sulfide	mg/Kg	+/-20	3.17	J	3.17	J	1	0		10/24/2025

Duplicate Sample Summary

Client:	AECOM	SDG No.:	Q3434
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Sample ID:	Q3434-02
Client ID:	PR132-WC2-20251022DUP	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	7.77		7.79		1	0.26		10/23/2025
Flash Point	o F	+/-2	>212.0		>212.0		1	0		10/23/2025
Reactive Cyanide	mg/L	+/-20	0.00096	U	0.00096	U	1	0		10/24/2025
Reactive Sulfide	mg/L	+/-20	0.43	U	0.43	U	1	0		10/24/2025

Laboratory Control Sample Summary

Client:	AECOM	SDG No.:	Q3434
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Run No.:	LB137651

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137651BS							
TPH	mg/L	20.0	16.7		84	1	78-114	10/27/2025

Laboratory Control Sample Summary

Client:	AECOM	SDG No.:	Q3434
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Run No.:	LB137651

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137651BSD							
TPH	mg/L	20.0	17.0		85	1	78-114	10/27/2025