

LAB CHRONICLE

OrderID:	Q3422	OrderDate:	10/22/2025 11:11:00 AM
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
Q3422-01	PR132-S15-000008-2 0251021	SOIL			10/21/25 09:00			10/21/25
			Hexavalent Chromium	7196A		10/23/25	10/23/25 12:30	
			TOC	Lloyd Kahn			10/28/25 12:31	
Q3422-02	PR132-FB2-20251021	WATER			10/21/25 13:30			10/21/25
			Hexavalent Chromium	7196A			10/22/25 13:09	



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-S15-000008-20251021
Lab Sample ID: Q3422-01

Date Collected: 10/21/25 09:00
Date Received: 10/21/25
SDG No.: Q3422
Matrix: SOIL
% Solid: 58.1

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.67	U	1	0.12	0.67	mg/Kg	10/23/25 08:50	10/23/25 12:30	7196A
TOC	30900	OR	1	43.4	250	mg/Kg		10/28/25 12:31	Lloyd Kahn

Comments: _____

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:	10/21/25 13:30
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/21/25
Client Sample ID:	PR132-FB2-20251021	SDG No.:	Q3422
Lab Sample ID:	Q3422-02	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Dissolved Hexavalent Chromium	0.010	U	1	0.0030	0.010	mg/L		10/22/25 13:09	7196A

Comments: _____

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.: Q3422

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

RunNo.: LB137615

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV Hexavalent Chromium	mg/L	0.504	0.5	101	90-110	10/22/2025
Sample ID: CCV1 Hexavalent Chromium	mg/L	0.502	0.5	100	90-110	10/22/2025
Sample ID: CCV2 Hexavalent Chromium	mg/L	0.500	0.5	100	90-110	10/22/2025

Initial and Continuing Calibration Verification

Client: AECOM

SDG No.: Q3422

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

RunNo.: LB137625

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV Hexavalent Chromium	mg/L	0.489	0.5	98	90-110	10/23/2025
Sample ID: CCV1 Hexavalent Chromium	mg/L	0.494	0.5	99	90-110	10/23/2025
Sample ID: CCV2 Hexavalent Chromium	mg/L	0.489	0.5	98	90-110	10/23/2025
Sample ID: CCV3 Hexavalent Chromium	mg/L	0.494	0.5	99	90-110	10/23/2025
Sample ID: CCV4 Hexavalent Chromium	mg/L	0.495	0.5	99	90-110	10/23/2025

Initial and Continuing Calibration Verification

Client: AECOM

SDG No.: Q3422

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

RunNo.: LB137664

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 TOC	mg/L	1080	1000	108	90-110	10/23/2025
Sample ID: CCV1 TOC	mg/L	998	1000	100	90-110	10/28/2025
Sample ID: CCV2 TOC	mg/L	1070	1000	107	90-110	10/28/2025
Sample ID: CCV3 TOC	mg/L	1000	1000	100	90-110	10/28/2025

Initial and Continuing Calibration Blank Summary

Client: AECOM

SDG No.: Q3422

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

RunNo.: LB137615

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/22/2025
Sample ID: CCB1 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/22/2025
Sample ID: CCB2 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/22/2025

Initial and Continuing Calibration Blank Summary

Client: AECOM

SDG No.: Q3422

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

RunNo.: LB137625

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/23/2025
Sample ID: CCB1 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/23/2025
Sample ID: CCB2 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/23/2025
Sample ID: CCB3 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/23/2025
Sample ID: CCB4 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/23/2025

Initial and Continuing Calibration Blank Summary

Client: AECOM

SDG No.: Q3422

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

RunNo.: LB137664

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1 TOC	mg/L	< 125.0000	125.0000	U	32.1	250	10/23/2025
Sample ID: CCB1 TOC	mg/L	< 125.0000	125.0000	U	32.1	250	10/28/2025
Sample ID: CCB2 TOC	mg/L	< 125.0000	125.0000	U	32.1	250	10/28/2025
Sample ID: CCB3 TOC	mg/L	< 125.0000	125.0000	U	32.1	250	10/28/2025

Preparation Blank Summary

Client: AECOM

SDG No.: Q3422

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: LB137615BL							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.003	0.01	10/22/2025
Sample ID: LB137664BLS							
TOC	mg/Kg	< 125.0000	125.0000	U	43.4	250	10/28/2025
Sample ID: PB170212BL							
Hexavalent Chromium	mg/Kg	< 0.2000	0.2000	U	0.07	0.4	10/23/2025

Matrix Spike Summary

Client:	AECOM	SDG No.:	Q3422
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-171	Sample ID:	Q3395-02
Client ID:	PR132-S07-000102-20251017MS	Percent Solids for Spike Sample:	47.9

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	75-125	2560		0.14	U	2680	40	96		10/23/2025

Matrix Spike Summary

Client:	AECOM	SDG No.:	Q3422
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-171	Sample ID:	Q3395-02
Client ID:	PR132-S07-000102-20251017MS	Percent Solids for Spike Sample:	47.9

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	85-115	75.0		0.14	U	83.5	2	90		10/23/2025

Matrix Spike Summary

Client:	AECOM	SDG No.:	Q3422
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-171	Sample ID:	Q3395-02
Client ID:	PR132-S07-000102-20251017MS	Percent Solids for Spike Sample:	47.9

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	75-125	64.3		0.14	U	83.5	2	77		10/23/2025

Matrix Spike Summary

Client:	AECOM	SDG No.:	Q3422
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-171	Sample ID:	Q3419-01
Client ID:	PR-132-S16-015094-20251021MS	Percent Solids for Spike Sample:	54.4

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
TOC	mg/Kg	75-125	21300	OR	20400	OR	1000	1	90		10/28/2025

Matrix Spike Summary

Client:	AECOM	SDG No.:	Q3422
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-171	Sample ID:	Q3419-01
Client ID:	PR-132-S16-015094-20251021MSD	Percent Solids for Spike Sample:	54.4

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
TOC	mg/Kg	75-125	21300	OR	20400	OR	1000	1	90		10/28/2025

Matrix Spike Summary

Client:	AECOM	SDG No.:	Q3422
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-171	Sample ID:	Q3420-05
Client ID:	COMPOSITEMS	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
Hexavalent Chromium	mg/L	90-111	0.92		0.0030	U	1.0	2	92		10/22/2025

Matrix Spike Summary

Client:	AECOM	SDG No.:	Q3422
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-171	Sample ID:	Q3420-05
Client ID:	COMPOSITMSD	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
Hexavalent Chromium	mg/L	90-111	0.93		0.0030	U	1.0	2	93		10/22/2025

Duplicate Sample Summary

Client:	AECOM	SDG No.:	Q3422
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Sample ID:	Q3395-02
Client ID:	PR132-S07-000102-20251017DUP	Percent Solids for Spike Sample:	47.9

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	+/-20	0.14	U	0.14	U	1	0		10/23/2025

Duplicate Sample Summary

Client:	AECOM	SDG No.:	Q3422
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Sample ID:	Q3419-01
Client ID:	PR-132-S16-015094-20251021MSD	Percent Solids for Spike Sample:	54.4

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
TOC	mg/Kg	+/-20	21300	OR	21300	OR	1	0		10/28/2025

Duplicate Sample Summary

Client: AECOM **SDG No.:** Q3422
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206 **Sample ID:** Q3420-05
Client ID: COMPOSITEDUP **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
Hexavalent Chromium	mg/L	+/-20	0.0030	U	0.0030	U	1	0		10/22/2025

Duplicate Sample Summary

Client:	AECOM	SDG No.:	Q3422
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Sample ID:	Q3420-05
Client ID:	COMPOSITMSD	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
Hexavalent Chromium	mg/L	+/-20	0.92		0.93		2	0.22		10/22/2025

Laboratory Control Sample Summary

Client:	AECOM	SDG No.:	Q3422
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Run No.:	LB137615

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137615BS							
Hexavalent Chromium	mg/L	0.5	0.52		103	1	90-111	10/22/2025

Laboratory Control Sample Summary

Client:	AECOM	SDG No.:	Q3422
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Run No.:	LB137664

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137664BSS							
TOC	mg/Kg	1000	1030		103	1	90-110	10/28/2025

Laboratory Control Sample Summary

Client:	AECOM	SDG No.:	Q3422
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Run No.:	LB137625

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB170212BS							
Hexavalent Chromium	mg/Kg	20	19.7		98	1	84-110	10/23/2025