

LAB CHRONICLE

OrderID:	Q3419	OrderDate:	10/22/2025 11:01:00 AM
Client:	AECOM	Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Contact:	Rob Forstner	Location:	D41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3419-01	PR-132-S16-015094-2 0251021	SOIL			10/21/25 09:31			10/21/25
			Hexavalent Chromium	7196A		10/27/25	10/27/25 12:27	
			TOC	Lloyd Kahn			10/28/25 10:00	
Q3419-04	PR132-S16-119133-2 0251021	SOIL			10/21/25 09:35			10/21/25
			Hexavalent Chromium	7196A		10/27/25	10/27/25 12:29	
			TOC	Lloyd Kahn			10/28/25 11:49	
Q3419-05	PR132-S16-094119-2 0251021	SOIL			10/21/25 09:33			10/21/25
			Hexavalent Chromium	7196A		10/27/25	10/27/25 12:30	
			TOC	Lloyd Kahn			10/28/25 12:14	



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: PR-132-S16-015094-20251021
Lab Sample ID: Q3419-01

Date Collected: 10/21/25 09:31
Date Received: 10/21/25
SDG No.: Q3419
Matrix: SOIL
% Solid: 54.4

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.72	U	1	0.13	0.72	mg/Kg	10/27/25 09:00	10/27/25 12:27	7196A
TOC	20400	OR	1	43.4	250	mg/Kg		10/28/25 10:00	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
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S16-119133-20251021
Lab Sample ID: Q3419-04

Date Collected: 10/21/25 09:35
Date Received: 10/21/25
SDG No.: Q3419
Matrix: SOIL
% Solid: 51.7

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.75	U	1	0.13	0.75	mg/Kg	10/27/25 09:00	10/27/25 12:29	7196A
TOC	33700	OR	1	43.4	250	mg/Kg		10/28/25 11:49	Lloyd Kahn

Comments: _____

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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-S16-094119-20251021
Lab Sample ID: Q3419-05

Date Collected: 10/21/25 09:33
Date Received: 10/21/25
SDG No.: Q3419
Matrix: SOIL
% Solid: 46.9

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.84	U	1	0.15	0.84	mg/Kg	10/27/25 09:00	10/27/25 12:30	7196A
TOC	27500	OR	1	43.4	250	mg/Kg		10/28/25 12:14	Lloyd Kahn

Comments: _____

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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.: Q3419

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

RunNo.: LB137657

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV Hexavalent Chromium	mg/L	0.497	0.5	99	90-110	10/27/2025
Sample ID: CCV1 Hexavalent Chromium	mg/L	0.494	0.5	99	90-110	10/27/2025
Sample ID: CCV2 Hexavalent Chromium	mg/L	0.489	0.5	98	90-110	10/27/2025
Sample ID: CCV3 Hexavalent Chromium	mg/L	0.493	0.5	99	90-110	10/27/2025
Sample ID: CCV4 Hexavalent Chromium	mg/L	0.489	0.5	98	90-110	10/27/2025

Initial and Continuing Calibration Verification

Client: AECOM

SDG No.: Q3419

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.: Q3419

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

RunNo.: LB137657

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	10/27/2025
Sample ID: CCB1 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/27/2025
Sample ID: CCB2 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/27/2025
Sample ID: CCB3 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/27/2025
Sample ID: CCB4 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/27/2025

Initial and Continuing Calibration Blank Summary

Client: AECOM

SDG No.: Q3419

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.: Q3419

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: LB137664BLS TOC	mg/Kg	< 125.0000	125.0000	U	43.4	250	10/28/2025
Sample ID: PB170253BL Hexavalent Chromium	mg/Kg	< 0.2000	0.2000	U	0.07	0.4	10/27/2025

Matrix Spike Summary

Client: AECOM **SDG No.:** Q3419
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
Hexavalent Chromium	mg/Kg	75-125	2300		0.13	U	2360	40	98		10/27/2025

Matrix Spike Summary

Client: AECOM **SDG No.:** Q3419
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
Hexavalent Chromium	mg/Kg	85-115	69.5		0.13	U	73.5	2	95		10/27/2025

Matrix Spike Summary

Client: AECOM **SDG No.:** Q3419
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
Hexavalent Chromium	mg/Kg	75-125	59.7		0.13	U	73.5	2	81		10/27/2025

Matrix Spike Summary

Client:	AECOM	SDG No.:	Q3419
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.:

Q3419

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

Duplicate Sample Summary

Client: AECOM	SDG No.: Q3419
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Sample ID: Q3419-01
Client ID: PR-132-S16-015094-20251021DUP	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
Hexavalent Chromium	mg/Kg	+/-20	0.13	U	0.13	U	1	0		10/27/2025

Duplicate Sample Summary

Client:	AECOM	SDG No.:	Q3419
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

Laboratory Control Sample Summary

Client:	AECOM	SDG No.:	Q3419
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.:	Q3419
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Run No.:	LB137657

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB170253BS							
Hexavalent Chromium	mg/Kg	20	19.8		99	1	84-110	10/27/2025