

LAB CHRONICLE

OrderID:	Q3393	OrderDate:	10/17/2025 4:23:00 PM
Client:	AECOM	Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC -
Contact:	Rob Forstner	Location:	60993705-PR-19208 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3393-01	PR132-S10-000022-2 0251017	SOIL			10/17/25 09:45			10/17/25
			Hexavalent Chromium	7196A		10/23/25	10/23/25 12:22	
			TOC	Lloyd Kahn			10/21/25 12:28	
Q3393-02	PR132-S10-022047-2 0251017	SOIL			10/17/25 09:55			10/17/25
			Hexavalent Chromium	7196A		10/23/25	10/23/25 12:22	
			TOC	Lloyd Kahn			10/21/25 12:46	
Q3393-03	PR132-S08-013038-2 0251017	SOIL			10/17/25 08:55			10/17/25
			Hexavalent Chromium	7196A		10/23/25	10/23/25 12:23	
			TOC	Lloyd Kahn			10/21/25 13:19	
Q3393-04	PR132-S06-000021-2 0251017	SOIL			10/17/25 08:00			10/17/25
			Hexavalent Chromium	7196A		10/23/25	10/23/25 12:23	
			TOC	Lloyd Kahn			10/21/25 14:15	
Q3393-05	PR132-S08-000013-2 0251017	SOIL			10/17/25 08:45			10/17/25
			Hexavalent Chromium	7196A		10/23/25	10/23/25 12:24	

LAB CHRONICLE

TOC

Lloyd Kahn

10/21/25
14:34

A

B

C

D



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-S10-000022-20251017
Lab Sample ID: Q3393-01

Date Collected: 10/17/25 09:45
Date Received: 10/17/25
SDG No.: Q3393
Matrix: SOIL
% Solid: 56

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.71	U	1	0.13	0.71	mg/Kg	10/23/25 08:50	10/23/25 12:22	7196A
TOC	26500	OR	1	43.4	250	mg/Kg		10/21/25 12:28	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-S10-022047-20251017
Lab Sample ID: Q3393-02

Date Collected: 10/17/25 09:55
Date Received: 10/17/25
SDG No.: Q3393
Matrix: SOIL
% Solid: 54

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	10/23/25 08:50	10/23/25 12:22	7196A
TOC	26200	OR	1	43.4	250	mg/Kg		10/21/25 12:46	Lloyd Kahn

Comments: _____

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H = Sample Analysis Out Of Hold Time

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B = Analyte Found in Associated Method Blank
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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-S08-013038-20251017
Lab Sample ID: Q3393-03

Date Collected: 10/17/25 08:55
Date Received: 10/17/25
SDG No.: Q3393
Matrix: SOIL
% Solid: 52.8

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	10/23/25 08:50	10/23/25 12:23	7196A
TOC	35900	OR	1	43.4	250	mg/Kg		10/21/25 13:19	Lloyd Kahn

Comments: _____

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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-S06-000021-20251017
Lab Sample ID: Q3393-04

Date Collected: 10/17/25 08:00
Date Received: 10/17/25
SDG No.: Q3393
Matrix: SOIL
% Solid: 56.2

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.69	U	1	0.12	0.69	mg/Kg	10/23/25 08:50	10/23/25 12:23	7196A
TOC	33500	OR	1	43.4	250	mg/Kg		10/21/25 14:15	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-S08-000013-20251017
Lab Sample ID: Q3393-05

Date Collected: 10/17/25 08:45
Date Received: 10/17/25
SDG No.: Q3393
Matrix: SOIL
% Solid: 52

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	10/23/25 08:50	10/23/25 12:24	7196A
TOC	34000	OR	1	43.4	250	mg/Kg		10/21/25 14:34	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
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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.: Q3393

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

RunNo.: LB137593

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 TOC	mg/L	968	1000	97	90-110	07/22/2025
Sample ID: CCV1 TOC	mg/L	984	1000	98	90-110	10/21/2025
Sample ID: CCV2 TOC	mg/L	1070	1000	107	90-110	10/21/2025
Sample ID: CCV3 TOC	mg/L	1080	1000	108	90-110	10/21/2025
Sample ID: CCV4 TOC	mg/L	1070	1000	107	90-110	10/22/2025
Sample ID: CCV5 TOC	mg/L	985	1000	98	90-110	10/22/2025

Initial and Continuing Calibration Verification

Client: AECOM

SDG No.: Q3393

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 Blank Summary

Client: AECOM

SDG No.: Q3393

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

RunNo.: LB137593

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	07/22/2025
Sample ID: CCB1 TOC	mg/L	< 125.0000	125.0000	U	32.1	250	10/21/2025
Sample ID: CCB2 TOC	mg/L	37.5	125.0000	J	32.1	250	10/21/2025
Sample ID: CCB3 TOC	mg/L	< 125.0000	125.0000	U	32.1	250	10/21/2025
Sample ID: CCB4 TOC	mg/L	< 125.0000	125.0000	U	32.1	250	10/22/2025
Sample ID: CCB5 TOC	mg/L	< 125.0000	125.0000	U	32.1	250	10/22/2025

Initial and Continuing Calibration Blank Summary

Client: AECOM

SDG No.: Q3393

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

Preparation Blank Summary

Client: AECOM

SDG No.: Q3393

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: LB137593BLS TOC	mg/Kg	< 125.0000	125.0000	U	43.4	250	10/21/2025
Sample ID: LB137593BLS2 TOC	mg/Kg	< 125.0000	125.0000	U	43.4	250	10/22/2025
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.:** Q3393
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.:	Q3393
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.:** Q3393
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.:	Q3393
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
TOC	mg/Kg	75-125	33000	OR	31800	OR	1000	1	120		10/21/2025

Matrix Spike Summary

Client:	AECOM	SDG No.:	Q3393
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-171	Sample ID:	Q3395-02
Client ID:	PR132-S07-000102-20251017MSD	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
TOC	mg/Kg	75-125	33000	OR	31800	OR	1000	1	120		10/21/2025

Duplicate Sample Summary

Client: AECOM	SDG No.: Q3393
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.:	Q3393
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Sample ID:	Q3395-02
Client ID:	PR132-S07-000102-20251017MSD	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
TOC	mg/Kg	+/-20	33000	OR	33000	OR	1	0		10/21/2025

Laboratory Control Sample Summary

Client:	AECOM	SDG No.:	Q3393
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Run No.:	LB137593

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137593BSS							
TOC	mg/Kg	1000	992		99	1	90-110	10/21/2025

Laboratory Control Sample Summary

Client:	AECOM	SDG No.:	Q3393
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Run No.:	LB137593

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137593BSS2							
TOC	mg/Kg	1000	1020		102	1	90-110	10/22/2025

Laboratory Control Sample Summary

Client:	AECOM	SDG No.:	Q3393
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