

LAB CHRONICLE

OrderID:	Q3376	OrderDate:	10/17/2025 10:34:00 AM
Client:	AECOM	Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC -
Contact:	Rob Forstner	Location:	60993705-1719208 Soil, VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3376-01	PR132-S05-057082-2 0251016	SOIL			10/16/25 10:35			10/16/25
			Hexavalent Chromium	7196A		10/21/25	10/21/25 15:54	
			TOC	Lloyd Kahn			10/21/25 10:45	
Q3376-02	PR132-DP01-2025101 6	SOIL			10/16/25 10:50			10/16/25
			Hexavalent Chromium	7196A		10/21/25	10/21/25 15:55	
			TOC	Lloyd Kahn			10/21/25 11:08	
Q3376-03	PR132-COMP2-20251 016	SOIL			10/16/25 12:50			10/16/25
			Hexavalent Chromium	7196A		10/21/25	10/21/25 15:55	
			TOC	Lloyd Kahn			10/21/25 11:34	
Q3376-04	PR132-S12-047072-2 0251016	SOIL			10/16/25 13:25			10/16/25
			Hexavalent Chromium	7196A		10/21/25	10/21/25 15:57	
			TOC	Lloyd Kahn			10/21/25 11:55	
Q3376-05	PR132-S12-020047-2 0251016	SOIL			10/16/25 13:15			10/16/25
			Hexavalent Chromium	7196A		10/21/25	10/21/25 15:57	

LAB CHRONICLE

			TOC	Lloyd Kahn		10/21/25 12:11	
Q3376-07	PR132-FB01-2025101 6	WATER			10/16/25 13:55		10/16/25
			Hexavalent Chromium	7196A		10/17/25 12:47	



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-S05-057082-20251016
Lab Sample ID: Q3376-01

Date Collected: 10/16/25 10:35
Date Received: 10/16/25
SDG No.: Q3376
Matrix: SOIL
% Solid: 53.5

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.73	U	1	0.13	0.73	mg/Kg	10/21/25 12:00	10/21/25 15:54	7196A
TOC	38400	OR	1	43.4	250	mg/Kg		10/21/25 10:45	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-DP01-20251016
Lab Sample ID: Q3376-02

Date Collected: 10/16/25 10:50
Date Received: 10/16/25
SDG No.: Q3376
Matrix: SOIL
% Solid: 53.6

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.74	U	1	0.13	0.74	mg/Kg	10/21/25 12:00	10/21/25 15:55	7196A
TOC	38200	OR	1	43.4	250	mg/Kg		10/21/25 11:08	Lloyd Kahn

Comments: _____

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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-COMP2-20251016
Lab Sample ID: Q3376-03

Date Collected: 10/16/25 12:50
Date Received: 10/16/25
SDG No.: Q3376
Matrix: SOIL
% Solid: 52.7

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	10/21/25 12:00	10/21/25 15:55	7196A
TOC	34300	OR	1	43.4	250	mg/Kg		10/21/25 11:34	Lloyd Kahn

Comments: _____

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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-S12-047072-20251016
Lab Sample ID: Q3376-04

Date Collected: 10/16/25 13:25
Date Received: 10/16/25
SDG No.: Q3376
Matrix: SOIL
% Solid: 51.3

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.76	U	1	0.13	0.76	mg/Kg	10/21/25 12:00	10/21/25 15:57	7196A
TOC	31100	OR	1	43.4	250	mg/Kg		10/21/25 11:55	Lloyd Kahn

Comments: _____

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LOD = Limit of Detection
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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

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S12-020047-20251016
Lab Sample ID: Q3376-05

Date Collected: 10/16/25 13:15
Date Received: 10/16/25
SDG No.: Q3376
Matrix: SOIL
% Solid: 66.8

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.59	U	1	0.10	0.59	mg/Kg	10/21/25 12:00	10/21/25 15:57	7196A
TOC	23900	OR	1	43.4	250	mg/Kg		10/21/25 12:11	Lloyd Kahn

Comments: _____

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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-FB01-20251016
Lab Sample ID: Q3376-07

Date Collected: 10/16/25 13:55
Date Received: 10/16/25
SDG No.: Q3376
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		10/17/25 12:47	7196A

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
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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.: Q3376

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

RunNo.: LB137578

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	10/17/2025
Sample ID: CCV1 Hexavalent Chromium	mg/L	0.499	0.5	100	90-110	10/17/2025
Sample ID: CCV2 Hexavalent Chromium	mg/L	0.501	0.5	100	90-110	10/17/2025

Initial and Continuing Calibration Verification

Client: AECOM

SDG No.: Q3376

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.: Q3376

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

RunNo.: LB137601

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV Hexavalent Chromium	mg/L	0.495	0.5	99	90-110	10/21/2025
Sample ID: CCV1 Hexavalent Chromium	mg/L	0.496	0.5	99	90-110	10/21/2025
Sample ID: CCV2 Hexavalent Chromium	mg/L	0.491	0.5	98	90-110	10/21/2025
Sample ID: CCV3 Hexavalent Chromium	mg/L	0.496	0.5	99	90-110	10/21/2025
Sample ID: CCV4 Hexavalent Chromium	mg/L	0.489	0.5	98	90-110	10/21/2025

Initial and Continuing Calibration Blank Summary

Client: AECOM

SDG No.: Q3376

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

RunNo.: LB137578

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	10/17/2025
Sample ID: CCB1 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/17/2025
Sample ID: CCB2 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/17/2025

Initial and Continuing Calibration Blank Summary

Client: AECOM

SDG No.: Q3376

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.: Q3376

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

RunNo.: LB137601

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	10/21/2025
Sample ID: CCB1 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/21/2025
Sample ID: CCB2 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/21/2025
Sample ID: CCB3 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/21/2025
Sample ID: CCB4 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/21/2025

Preparation Blank Summary

Client: AECOM

SDG No.: Q3376

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: Ib137578BL							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.003	0.01	10/17/2025
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: PB170189BL							
Hexavalent Chromium	mg/Kg	< 0.2000	0.2000	U	0.07	0.4	10/21/2025

Matrix Spike Summary

Client:	Core Environmental Consultants and Services, Inc.	SDG No.:	Q3346
Project:	NYPA-Zeltmann Power plant-HSRG 7B	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:	Core Environmental Consultants and Services, Inc.	SDG No.:	Q3346
Project:	NYPA-Zeltmann Power plant-HSRG 7B	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

Matrix Spike Summary

Client:	Core Environmental Consultants and Services, Inc.	SDG No.:	Q3346
Project:	NYPA-Zeltmann Power plant-HSRG 7B	Sample ID:	Q3403-01
Client ID:	MH-18MS	Percent Solids for Spike Sample:	91.1

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	1360		0.076	U	1410	40	96		10/21/2025

Matrix Spike Summary

Client:	Core Environmental Consultants and Services, Inc.	SDG No.:	Q3346
Project:	NYPA-Zeltmann Power plant-HSRG 7B	Sample ID:	Q3403-01
Client ID:	MH-18MS	Percent Solids for Spike Sample:	91.1

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	40.4		0.076	U	43.9	2	92		10/21/2025

Matrix Spike Summary

Client: Core Environmental Consultants and Services, Inc. **SDG No.:** Q3346
Project: NYPA-Zeltmann Power plant-HSRG 7B **Sample ID:** Q3403-01
Client ID: MH-18MS **Percent Solids for Spike Sample:** 91.1

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	38.1		0.076	U	43.9	2	87		10/21/2025

Duplicate Sample Summary

Client:	Core Environmental Consultants and Services, Inc.	SDG No.:	Q3346
Project:	NYPA-Zeltmann Power plant-HSRG 7B	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

Duplicate Sample Summary

Client: Core Environmental Consultants and Services, Inc. **SDG No.:** Q3346
Project: NYPA-Zeltmann Power plant-HSRG 7B **Sample ID:** Q3403-01
Client ID: MH-18DUP **Percent Solids for Spike Sample:** 91.1

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	+/-20	0.076	U	0.076	U	1	0		10/21/2025

Laboratory Control Sample Summary

Client:	AECOM	SDG No.:	Q3376
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Run No.:	LB137578

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	lb137578BS							
Hexavalent Chromium	mg/L	0.5	0.51		102	1	90-111	10/17/2025

Laboratory Control Sample Summary

Client:	AECOM	SDG No.:	Q3376
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.:	Q3376
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.:	Q3376
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Run No.:	LB137601

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB170189BS							
Hexavalent Chromium	mg/Kg	20	19.8		99	1	84-110	10/21/2025