

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			10/22/25
	-		Pesticide-TCL TPH GC	8081B 8015D		10/23/25 10/29/25	10/23/25 10/30/25	
Q3434-02	PR132-WC2-2025102	WATER			10/22/25			10/22/25
	2		Pesticide-TCL	8081B		10/28/25	10/28/25	







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SAMPLE DATA



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Report of Analysis

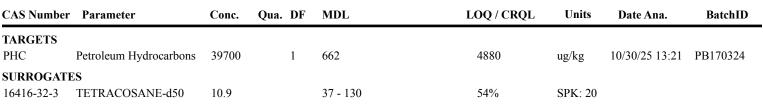
Client: **AECOM** Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206

Client Sample ID: PR132-WC1-20251022

Lab Sample ID: Q3434-01 Analytical Method: 8015D TPH

Sample Wt/Vol: 30.06 g Final Vol: 1 mL Prep Method: SW3541 Prep Date 10/29/25 Date Collected: 10/22/25 Date Received: 10/22/25 SDG No.: Q3434 SOIL Matrix: % Solid: 57.9

Test: TPH GC



U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

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M = MS/MSD acceptance criteria did not meet requirements

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QC SUMMARY



SOIL TPH GC SURROGATE RECOVERY

Lab Name:	Alliance	Client:	AECOM
Lab Code:	ACE	SDG No.:	Q3434

	S1	S2	S3	S4	TOT
CLIENT ID	TETRACOSANE-d50				OUT
PIBLK-FF016631.D	90				0
PIBLK-FF016641.D	93				0
PB170324BL	81				0
PB170324BS	92				0
PR132-WC1-20251022	54				0
WASTEMS	56				0
WASTEMSD	56				0

QC LIMITS

For Water : 29-130 For Soil : 37-130

Column to be used to flag recovery values

* Values outside of contract required QC limits

TETRACOSANE-d50

D Surrogate Diluted Out

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SOIL TPH GC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: A	Alliance	Client:	AECOM
Lab Code: A	ACE	SDG No:	Q3434
Client Sample ID :	WASTEMS	Datafile:	FF016638.D

COMPOUND	SPIKE ADDED ug/kg	SAMPLE CONCENTRATION ug/kg	MS/MSD CONCENTRATION ug/kg	% REC	Qual	QC LIMITS(%)
Petroleum Hydrocarbons	12967	83100	93000	76%		68-131

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SOIL TPH GC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Al	lliance	Client:	AECOM
Lab Code: A	CE	SDG No:	Q3434
Client Sample ID :	WASTEMSD	Datafile:	FF016639.D

COMPOUND	SPIKE ADDED ug/kg	SAMPLE CONCENTRATION ug/kg	MS/MSD CONCENTRATION ug/kg	% REC	Qual	QC LIMITS(%)
Petroleum Hydrocarbons	12971	83100	92000	69%		68-131

MS/MSD % Recovery RPD : 10.6

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SOIL TPH GC LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

ab Name: Alliance	Client: AECOM	_
ab Code: ACE	SDG No: Q3434	
Client Sample ID : PB170324BS	Datafile: FF016635.D	

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS (%)
Petroleum Hydrocarbons	11322	0	11326	100	68-131

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4B METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

PB170324BL

Lab Name: Alliance Contract: AEC002

Lab Code: ACE SDG NO.: Q3434

Lab File ID: FF016634.D Lab Sample ID: PB170324BL

Instrument ID: ff Date Extracted: 10/30/2025

Matrix: (soil/water) Soil Date Analyzed: 10/30/25

Level: (low/med) low Time Analyzed: 12:22

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB170324BS	PB170324BS	FF016635.D	10/30/25
PR132-WC1-20251022	Q3434-01	FF016636.D	10/30/25
WASTEMS	Q3474-01MS	FF016638.D	10/30/25
WASTEMSD	Q3474-01MSD	FF016639.D	10/30/25

COMMENTS:



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QC SAMPLE DATA



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Report of Analysis

Client: AECOM Date Collected: Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206 Date Received:

Client Sample ID: PB170324BL SDG No.: Q3434 Lab Sample ID: SOIL PB170324BL Matrix: Analytical Method: 8015D TPH % Solid: 100 Sample Wt/Vol: Final Vol: 1 mL Test: TPH GC 30.02 g

Prep Method: SW3541 Prep Date 10/29/25

CAS Number	Parameter	Conc.	Qua. DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS PHC	Petroleum Hydrocarbons	2830	U 1	384	2830	ug/kg	10/30/25 12:22	PB170324
SURROGAT 16416-32-3	ES TETRACOSANE-d50	16.2		37 - 130	81%	SPK: 20		

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Report of Analysis

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

Client Sample ID: PIBLK-FF016631.D
Lab Sample ID: I.BLK-FF016631.D
Analytical Method: 8015D TPH

Sample Wt/Vol: 1000 mL Final Vol: 1 mL

Prep Method: SW3510 Prep Date

Date Collected: 10/30/25
Date Received: 10/30/25
SDG No.: Q3434
Matrix: Water
% Solid: 0

Test: TPH GC

CAS Number	Parameter	Conc.	Qua. DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS PHC	Petroleum Hydrocarbons	85.0	U 1	12.0	85.0	ug/L	10/30/25	FF103025
SURROGATE 16416-32-3	ES TETRACOSANE-d50	17.9		29 - 130	90%	SPK: 20		

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Sample Wt/Vol:

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

Client Sample ID: PIBLK-FF016641.D
Lab Sample ID: I.BLK-FF016641.D
Analytical Method: 8015D TPH

1000 mL Final Vol: 1 mL

Prep Method: SW3510 Prep Date

Date Collected: 10/30/25
Date Received: 10/30/25
SDG No.: Q3434
Matrix: Water
% Solid: 0

Test: TPH GC

CAS Number	Parameter	Conc.	Qua. DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS PHC	Petroleum Hydrocarbons	85.0	U 1	12.0	85.0	ug/L	10/30/25	FF103025
SURROGATE 16416-32-3	ES TETRACOSANE-d50	18.6		29 - 130	93%	SPK: 20		

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Date Collected:

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Report of Analysis

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

Date Received: Client Sample ID: PB170324BS SDG No.: Q3434 Lab Sample ID: SOIL PB170324BS Matrix: Analytical Method: 8015D TPH % Solid: 100 Sample Wt/Vol: Final Vol: 1 mL Test: TPH GC 30.03 g

Prep Method: SW3541 Prep Date 10/29/25

CAS Number	Parameter	Conc.	Qua. DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS PHC	Petroleum Hydrocarbons	11300	1	384	2830	ug/kg	10/30/25 12:52	PB170324
SURROGATI 16416-32-3	ES TETRACOSANE-d50	18.4		37 - 130	92%	SPK: 20		

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Report of Analysis

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

Client Sample ID: WASTEMS Lab Sample ID: Q3474-01MS Analytical Method: 8015D TPH

Sample Wt/Vol: 30.07 g Final Vol: 1 mL

Prep Method: SW3541 Prep Date 10/29/25 Date Collected: 10/27/25 Date Received: 10/27/25 SDG No.: Q3434 SOIL Matrix: % Solid: 87.2

Test: TPH GC

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS PHC	Petroleum Hydrocarbons	93000	Е	1	439	3240	ug/kg	10/30/25 14:21	PB170324
SURROGATE 16416-32-3	ES TETRACOSANE-d50	11.3			37 - 130	56%	SPK: 20		

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Report of Analysis

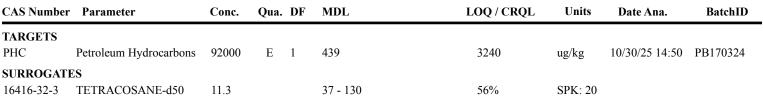
Client: **AECOM** Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206

Client Sample ID: WASTEMSD Lab Sample ID: Q3474-01MSD Analytical Method: 8015D TPH

Sample Wt/Vol: 30.06 g Final Vol: 1 mL

Prep Method: SW3541 Prep Date 10/29/25 Date Collected: 10/27/25 Date Received: 10/27/25 SDG No.: Q3434 SOIL Matrix: % Solid: 87.2

Test: TPH GC



U = Not Detected

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LOD = Limit of Detection

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CALIBRATION SUMMARY

TPH GC INITIAL CALIBRATION SUMMARY

Lab Name: Alliance Contract: AECO02

ProjectID: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-171

Lab Code: ACE SDG No.: Q3434

Calibration Sequence	: FF102925		Test: TPH GC	
Concentration	(PPM)	Area Count	Reference Factor	File ID
85		9472915	111446	FF016603.D
170		18165984	106859	FF016604.D
340		37023074	108891	FF016605.D
850		89698209	105527	FF016606.D
1700		169764046	99861	FF016607.D
AVC DE : 106517	ŀ	0.	4 DSD + 4 074	AVC DT - 15 050

AVG RF: 106517 % RSD: 4.074 AVG RT: 15.059

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TPH GC CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: All	lliane	Co	ntract: A	AECO02

AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 6 ProjectID:

Lab Code: ACE SDG No.: Q3434

DataFile: FF016632.D Analyst Date: 10-30-2025 Analyst Name: YP\AJ

Conc. (PPM)	Area Count	RF	Average RF	%D
850	84691500	99637	106517	6.459

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TPH GC CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name:	Alliane	Contract:	AECO02
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ProjectID: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 6

Lab Code: ACE SDG No.: Q3434

DataFile: FF016642.D Analyst Name: YP\AJ Analyst Date: 10-30-2025

Conc. (PPM)	Area Count	RF	Average RF	%D
850	89241081	104990	106517	1.434

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Analytical Sequence

Client: AECOM SDG No.: Q3434

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

GC Column: RXI-1MS ID: 0.18 (mm)

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SUROGATE RT FROM INIT	IAL CALIBRATION	15.059			
CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE AND TIME ANALYZED	DATAFILE	RT	#
PIBLK01	I.BLK01	30 Oct 2025 10:24	FF016631.D	15.056	
50 PPM TRPH STD	50 PPM TRPH STD	30 Oct 2025 11:23	FF016632.D	15.058	
PB170324BL	PB170324BL	30 Oct 2025 12:22	FF016634.D	15.057	
PB170324BS	PB170324BS	30 Oct 2025 12:52	FF016635.D	15.056	
PR132-WC1-20251022	Q3434-01	30 Oct 2025 13:21	FF016636.D	15.006	
WASTEMS	Q3474-01MS	30 Oct 2025 14:21	FF016638.D	15.010	
WASTEMSD	Q3474-01MSD	30 Oct 2025 14:50	FF016639.D	15.012	
PIBLK02	I.BLK02	30 Oct 2025 15:49	FF016641.D	15.062	
50 PPM TRPH STD	50 PPM TRPH STD	30 Oct 2025 16:19	FF016642.D	15.064	

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