

## LAB CHRONICLE

**OrderID:** Q3615  
**Client:** Core Environmental Consultants and Services, Inc.  
**Contact:** Roland Scardino

**OrderDate:** 11/12/2025 1:09:05 PM  
**Project:** Jones Beach Concrete  
**Location:** J32,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3615-01	East Bathhouse- Concrete	SOIL			11/12/25			11/12/25
			PCB	8082A		11/13/25	11/13/25	
			TPH GC	8015D		11/12/25	11/13/25	



# SAMPLE DATA

## Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.	Date Collected:	11/12/25
Project:	Jones Beach Concrete	Date Received:	11/12/25
Client Sample ID:	East Bathhouse- Concrete	SDG No.:	Q3615
Lab Sample ID:	Q3615-01	Matrix:	SOIL
Analytical Method:	8015D TPH	% Solid:	100
Sample Wt/Vol:	30.04 g	Final Vol:	1 mL
Prep Method:	SW3541	Test:	TPH GC
	Prep Date:	11/12/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
<b>TARGETS</b>									
PHC	Petroleum Hydrocarbons	2610	J	1	383	2830	ug/kg	11/13/25 0:17	PB170519
<b>SURROGATES</b>									
16416-32-3	TETRACOSANE-d50	12.2			37 - 130	61%	SPK: 20		

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

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D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit



# QC SUMMARY

**SOIL TPH GC SURROGATE RECOVERY**

Lab Name: Alliance

Client: Core Environmental Consultants and Service

Lab Code: ACE

SDG No.: Q3615

CLIENT ID	S1 TETRACOSANE-d50	S2	S3	S4	TOT OUT
PIBLK-FF016666.D	88				0
PIBLK-FF016674.D	90				0
PB170519BL	81				0
PB170519BS	85				0
East Bathhouse- Concrete	61				0
East Bathhouse- ConcreteMS	53				0
East Bathhouse- ConcreteMSD	51				0

**QC LIMITS**

TETRACOSANE-d50

For Water : 29-130

For Soil : 37-130

# Column to be used to flag recovery values

\* Values outside of contract required QC limits

D Surrogate Diluted Out

**SOIL TPH GC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY**

**Lab Name:** Alliance

**Client:** Core Environmental Consultants and Services,

**Lab Code:** ACE

**SDG No:** Q3615

**Client Sample ID :** East Bathhouse- ConcreteMS

**Datafile:** FF016672.D

COMPOUND	SPIKE ADDED ug/kg	SAMPLE CONCENTRATION ug/kg	MS/MSD CONCENTRATION ug/kg	% REC	Qual	QC LIMITS(%)
Petroleum Hydrocarbons	11299	2610	12304	86%		68-131

SOIL TPH GC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

**Lab Name:** Alliance **Client:** Core Environmental Consultants and Services,  
**Lab Code:** ACE **SDG No:** Q3615  
**Client Sample ID :** East Bathhouse- ConcreteMSD **Datafile:** FF016673.D

COMPOUND	SPIKE ADDED ug/kg	SAMPLE CONCENTRATION ug/kg	MS/MSD CONCENTRATION ug/kg	% REC	Qual	QC LIMITS(%)
Petroleum Hydrocarbons	11307	2610	11884	82%		68-131

MS/MSD % Recovery RPD : 4.5

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

**Lab Name:** Alliance

**Client:** Core Environmental Consultants and

**Lab Code:** ACE

**SDG No:** Services, Inc.  
Q3615

**Client Sample ID :** PB170519BS

**Datafile:** FF016670.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS (%)
Petroleum Hydrocarbons	11322	0	9967	88	68-131



4B  
METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

PB170519BL

Lab Name: Alliance

Contract: CORE02

Lab Code: ACE

SDG NO.: Q3615

Lab File ID: FF016669.D

Lab Sample ID: PB170519BL

Instrument ID: FF

Date Extracted: 11/12/2025

Matrix: (soil/water) Soil

Date Analyzed: 11/12/25

Level: (low/med) low

Time Analyzed: 23:19

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

CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB170519BS	PB170519BS	FF016670.D	11/12/25
East Bathhouse- Concrete	Q3615-01	FF016671.D	11/13/25
East Bathhouse- ConcreteMS	Q3615-01MS	FF016672.D	11/13/25
East Bathhouse- ConcreteMSD	Q3615-01MSD	FF016673.D	11/13/25

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_



# QC SAMPLE DATA

## Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.		Date Collected:	
Project:	Jones Beach Concrete		Date Received:	
Client Sample ID:	PB170519BL		SDG No.:	Q3615
Lab Sample ID:	PB170519BL		Matrix:	SOIL
Analytical Method:	8015D TPH		% Solid:	100
Sample Wt/Vol:	30.02 g	Final Vol: 1 mL	Test:	TPH GC
Prep Method:	SW3541	Prep Date: 11/12/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
<b>TARGETS</b>									
PHC	Petroleum Hydrocarbons	384	U	1	384	2830	ug/kg	11/12/25 23:19	PB170519
<b>SURROGATES</b>									
16416-32-3	TETRACOSANE-d50	16.2			37 - 130	81%	SPK: 20		

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B = Analyte Found in Associated Method Blank

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D = Dilution

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() = Laboratory InHouse Limit

## Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.	Date Collected:	11/12/25
Project:	Jones Beach Concrete	Date Received:	11/12/25
Client Sample ID:	PIBLK-FF016666.D	SDG No.:	Q3615
Lab Sample ID:	I.BLK-FF016666.D	Matrix:	Water
Analytical Method:	8015D TPH	% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	1 mL
Prep Method:	SW3510	Test:	TPH GC
	Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
<b>TARGETS</b>									
PHC	Petroleum Hydrocarbons	12.0	U	1	12.0	85.0	ug/L	11/12/25	FF111225
<b>SURROGATES</b>									
16416-32-3	TETRACOSANE-d50	17.6			29 - 130	88%	SPK: 20		

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B = Analyte Found in Associated Method Blank

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## Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.	Date Collected:	11/13/25
Project:	Jones Beach Concrete	Date Received:	11/13/25
Client Sample ID:	PIBLK-FF016674.D	SDG No.:	Q3615
Lab Sample ID:	I.BLK-FF016674.D	Matrix:	Water
Analytical Method:	8015D TPH	% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	1 mL
Prep Method:	SW3510	Test:	TPH GC
	Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
<b>TARGETS</b>									
PHC	Petroleum Hydrocarbons	12.0	U	1	12.0	85.0	ug/L	11/13/25	FF111225
<b>SURROGATES</b>									
16416-32-3	TETRACOSANE-d50	18.1			29 - 130	90%	SPK: 20		

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LOQ = Limit of Quantitation

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LOD = Limit of Detection

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

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D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

## Report of Analysis

Client: Core Environmental Consultants and Services, Inc.  
Project: Jones Beach Concrete  
Client Sample ID: PB170519BS  
Lab Sample ID: PB170519BS  
Analytical Method: 8015D TPH  
Sample Wt/Vol: 30.03 g Final Vol: 1 mL  
Prep Method: SW3541 Prep Date: 11/12/25

Date Collected:  
Date Received:  
SDG No.: Q3615  
Matrix: SOIL  
% Solid: 100  
Test: TPH GC

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
<b>TARGETS</b>									
PHC	Petroleum Hydrocarbons	9970		1	384	2830	ug/kg	11/12/25 23:48	PB170519
<b>SURROGATES</b>									
16416-32-3	TETRACOSANE-d50	17.1			37 - 130	85%	SPK: 20		

U = Not Detected

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MDL = Method Detection Limit

LOD = Limit of Detection

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Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

## Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.	Date Collected:	11/12/25
Project:	Jones Beach Concrete	Date Received:	11/12/25
Client Sample ID:	East Bathhouse- ConcreteMS	SDG No.:	Q3615
Lab Sample ID:	Q3615-01MS	Matrix:	SOIL
Analytical Method:	8015D TPH	% Solid:	100
Sample Wt/Vol:	30.09 g	Final Vol:	1 mL
Prep Method:	SW3541	Test:	TPH GC
	Prep Date:	11/12/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
<b>TARGETS</b>									
PHC	Petroleum Hydrocarbons	12300		1	383	2830	ug/kg	11/13/25 0:47	PB170519
<b>SURROGATES</b>									
16416-32-3	TETRACOSANE-d50	10.5			37 - 130	53%	SPK: 20		

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LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

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Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

## Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.	Date Collected:	11/12/25
Project:	Jones Beach Concrete	Date Received:	11/12/25
Client Sample ID:	East Bathhouse- ConcreteMSD	SDG No.:	Q3615
Lab Sample ID:	Q3615-01MSD	Matrix:	SOIL
Analytical Method:	8015D TPH	% Solid:	100
Sample Wt/Vol:	30.07 g	Final Vol:	1 mL
Prep Method:	SW3541	Test:	TPH GC
	Prep Date:		11/12/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
<b>TARGETS</b>									
PHC	Petroleum Hydrocarbons	11900		1	383	2830	ug/kg	11/13/25 1:16	PB170519
<b>SURROGATES</b>									
16416-32-3	TETRACOSANE-d50	10.2			37 - 130	51%	SPK: 20		

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

Q = indicates LCS control criteria did not meet requirements

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# CALIBRATION SUMMARY

**TPH GC INITIAL CALIBRATION SUMMARY**

Lab Name: Alliance Contract: CORE02  
 ProjectID: Jones Beach Concrete  
 Lab Code: ACE SDG No.: Q3615

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

**TPH GC CONTINUING CALIBRATION SUMMARY**

**50 PPM TRPH STD**

Lab Name: Alliane Contract: CORE02  
ProjectID: Jones Beach Concrete  
Lab Code: ACE SDG No.: Q3615  
DataFile: FF016667.D Analyst Name: YP\AJ Analyst Date: 11-12-2025

Conc. (PPM)	Area Count	RF	Average RF	%D
850	86283341	101510	106517	4.701

## TPH GC CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Alliane Contract: CORE02  
ProjectID: Jones Beach Concrete  
Lab Code: ACE SDG No.: Q3615  
DataFile: FF016675.D Analyst Name: YP\AJ Analyst Date: 11-13-2025

Conc. (PPM)	Area Count	RF	Average RF	%D
850	89011068	104719	106517	1.688

## Analytical Sequence

**Client:** Core Environmental Consultants and Services, Inc.

**SDG No.:** Q3615

**Project:** Jones Beach Concrete

**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 INITIAL CALIBRATION <b>15.059</b>					
CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE AND TIME ANALYZED	DATAFILE	RT	#
PIBLK01	LBLK01	12 Nov 2025 21:21	FF016666.D	15.056	
50 PPM TRPH STD	50 PPM TRPH STD	12 Nov 2025 21:50	FF016667.D	15.057	
PB170519BL	PB170519BL	12 Nov 2025 23:19	FF016669.D	15.054	
PB170519BS	PB170519BS	12 Nov 2025 23:48	FF016670.D	15.054	
East Bathhouse- Concrete	Q3615-01	13 Nov 2025 00:17	FF016671.D	15.053	
East Bathhouse- ConcreteMS	Q3615-01MS	13 Nov 2025 00:47	FF016672.D	15.054	
East Bathhouse- ConcreteMSD	Q3615-01MSD	13 Nov 2025 01:16	FF016673.D	15.053	
PIBLK02	LBLK02	13 Nov 2025 01:46	FF016674.D	15.054	
50 PPM TRPH STD	50 PPM TRPH STD	13 Nov 2025 02:15	FF016675.D	15.057	