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LAB CHRONICLE

OrderID:	Q2592	**OrderDate:**	7/11/2025 3:05:25 PM
Client:	PARSONS Engineering of New York, Inc.	**Project:**	Con Edison - East River Site 2
Contact:	Zohar Lavy	**Location:**	D51,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2592-01	**WC-SOIL-20250711**	**SOIL**			**07/11/25**			**07/11/25**
			PCB Group1	8082A		07/15/25	07/15/25	
			TPH GC	8015D		07/17/25	07/18/25	
Q2592-02	**WC-SOIL-20250711**	**TCLP**			**07/11/25**			**07/11/25**
			TCLP Herbicide	8151A		07/16/25	07/17/25	
			TCLP Pesticide	8081B		07/16/25	07/18/25	

SAMPLE DATA

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Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	07/11/25
Project:	Con Edison - East River Site 2	Date Received:	07/11/25
Client Sample ID:	WC-SOIL-20250711	SDG No.:	Q2592
Lab Sample ID:	Q2592-01	Matrix:	SOIL
Analytical Method:	8015D TPH	% Solid:	76.7 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	TPH GC
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG016332.D	25	07/17/25 08:25	07/18/25 10:55	PB168895

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
PHC	Petroleum Hydrocarbons	384000		12500	92200	ug/kg
SURROGATES						
16416-32-3	TETRACOSANE-d50	0.00	*	37 - 130	0%	SPK: 20

Comments:

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
* = 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

QC SUMMARY

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SOIL TPH GC SURROGATE RECOVERY

Lab Name: Alliance Client: PARSONS Engineering of New York, Inc.

Lab Code: ACE SDG No.: Q2592

CLIENT ID	S1 TETRACOSANE-d50	S2	S3	S4	TOT OUT
PIBLK-FG016328.D	91				0
PIBLK-FG016335.D	91				0
PIBLK-FG016341.D	91				0
PB168895BL	93				0
PB168895BS	85				0
WC-SOIL-20250711	0 *				1
WC-SOIL-20250711MS	101				0
WC-SOIL-20250711MSD	72				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

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SOIL TPH GC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Alliance **Client:** PARSONS Engineering of New York, Inc.

Lab Code: ACE **SDG No:** Q2592

Client Sample ID : WC-SOIL-20250711MS **Datafile:** FG016339.D

COMPOUND	SPIKE ADDED ug/kg	SAMPLE CONCENTRATION ug/kg	MS/MSD CONCENTRATION ug/kg	% REC	Qual	QC LIMITS(%)
Petroleum Hydrocarbons	14747	139000	458000	2163%	*	68-131

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SOIL TPH GC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Alliance **Client:** PARSONS Engineering of New York, Inc.

Lab Code: ACE **SDG No:** Q2592

Client Sample ID : WC-SOIL-20250711MSD **Datafile:** FG016340.D

COMPOUND	SPIKE ADDED ug/kg	SAMPLE CONCENTRATION ug/kg	MS/MSD CONCENTRATION ug/kg	% REC	Qual	QC LIMITS(%)
Petroleum Hydrocarbons	14766	139000	450000	2106%	*	68-131

MS/MSD % Recovery RPD : 2.67

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

Lab Name: Alliance **Client:** PARSONS Engineering of New York, Inc.

Lab Code: ACE **SDG No:** Q2592

Client Sample ID : PB168895BS **Datafile:** FG016338.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS (%)
Petroleum Hydrocarbons	11322	0	9614	85	68-131

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4B

METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

PB168895BL

Lab Name: Alliance Contract: PARS02

Lab Code: ACE SDG NO.: Q2592

Lab File ID: FG016337.D Lab Sample ID: PB168895BL

Instrument ID: FG Date Extracted: 07/18/2025

Matrix: (soil/water) Soil Date Analyzed: 07/18/25

Level: (low/med) low Time Analyzed: 13:23

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

CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
WC-SOIL-20250711	Q2592-01	FG016332.D	07/18/25
PB168895BS	PB168895BS	FG016338.D	07/18/25
WC-SOIL-20250711MS	Q2592-01MS	FG016339.D	07/18/25
WC-SOIL-20250711MSD	Q2592-01MSD	FG016340.D	07/18/25

COMMENTS:

QC SAMPLE DATA

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Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	
Project:	Con Edison - East River Site 2	Date Received:	
Client Sample ID:	PB168895BL	SDG No.:	Q2592
Lab Sample ID:	PB168895BL	Matrix:	SOIL
Analytical Method:	8015D TPH	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	TPH GC
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG016337.D	1	07/17/25 08:25	07/18/25 13:23	PB168895

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
PHC	Petroleum Hydrocarbons	2830	U	384	2830	ug/kg
SURROGATES						
16416-32-3	TETRACOSANE-d50	18.6		37 - 130	93%	SPK: 20

Comments:

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
* = 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

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Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	07/18/25
Project:	Con Edison - East River Site 2	Date Received:	07/18/25
Client Sample ID:	PIBLK-FG016328.D	SDG No.:	Q2592
Lab Sample ID:	I.BLK-FG016328.D	Matrix:	Water
Analytical Method:	8015D TPH	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	TPH GC
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3510		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG016328.D	1		07/18/25	FG071825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
PHC	Petroleum Hydrocarbons	85.0	U	12.0	85.0	ug/L
SURROGATES						
16416-32-3	TETRACOSANE-d50	18.1		29 - 130	91%	SPK: 20

Comments:

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LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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M = MS/MSD acceptance criteria did not meet requirements

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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

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Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	07/18/25
Project:	Con Edison - East River Site 2	Date Received:	07/18/25
Client Sample ID:	PIBLK-FG016335.D	SDG No.:	Q2592
Lab Sample ID:	I.BLK-FG016335.D	Matrix:	Water
Analytical Method:	8015D TPH	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	TPH GC
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3510		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG016335.D	1		07/18/25	FG071825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
PHC	Petroleum Hydrocarbons	85.0	U	12.0	85.0	ug/L
SURROGATES						
16416-32-3	TETRACOSANE-d50	18.1		29 - 130	91%	SPK: 20

Comments:

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
* = 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

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Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	07/18/25
Project:	Con Edison - East River Site 2	Date Received:	07/18/25
Client Sample ID:	PIBLK-FG016341.D	SDG No.:	Q2592
Lab Sample ID:	I.BLK-FG016341.D	Matrix:	Water
Analytical Method:	8015D TPH	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	TPH GC
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3510		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG016341.D	1		07/18/25	FG071825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
PHC	Petroleum Hydrocarbons	85.0	U	12.0	85.0	ug/L
SURROGATES						
16416-32-3	TETRACOSANE-d50	18.1		29 - 130	91%	SPK: 20

Comments:

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

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B = Analyte Found in Associated Method Blank
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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

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Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	
Project:	Con Edison - East River Site 2	Date Received:	
Client Sample ID:	PB168895BS	SDG No.:	Q2592
Lab Sample ID:	PB168895BS	Matrix:	SOIL
Analytical Method:	8015D TPH	% Solid:	100 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	TPH GC
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG016338.D	1	07/17/25 08:25	07/18/25 13:52	PB168895

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
PHC	Petroleum Hydrocarbons	9610		384	2830	ug/kg
SURROGATES						
16416-32-3	TETRACOSANE-d50	17.1		37 - 130	85%	SPK: 20

Comments:

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
* = 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

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Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	07/11/25
Project:	Con Edison - East River Site 2	Date Received:	07/11/25
Client Sample ID:	WC-SOIL-20250711MS	SDG No.:	Q2592
Lab Sample ID:	Q2592-01MS	Matrix:	SOIL
Analytical Method:	8015D TPH	% Solid:	76.7 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	TPH GC
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG016339.D	1	07/17/25 08:25	07/18/25 14:22	PB168895

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
PHC	Petroleum Hydrocarbons	458000	E	500	3690	ug/kg
SURROGATES						
16416-32-3	TETRACOSANE-d50	20.2		37 - 130	101%	SPK: 20

Comments:

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

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Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	07/11/25
Project:	Con Edison - East River Site 2	Date Received:	07/11/25
Client Sample ID:	WC-SOIL-20250711MSD	SDG No.:	Q2592
Lab Sample ID:	Q2592-01MSD	Matrix:	SOIL
Analytical Method:	8015D TPH	% Solid:	76.7 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	TPH GC
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG016340.D	1	07/17/25 08:25	07/18/25 14:52	PB168895

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
PHC	Petroleum Hydrocarbons	450000	E	500	3690	ug/kg
SURROGATES						
16416-32-3	TETRACOSANE-d50	14.5		37 - 130	72%	SPK: 20

Comments:

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LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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CALIBRATION SUMMARY

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TPH GC INITIAL CALIBRATION SUMMARY

Lab Name: Alliance
Contract: PARS02
ProjectID: Con Edison - East River Site 2
Lab Code: ACE
SDG No.: Q2592

Calibration Sequence : FG070925		Test : TPH GC	
Concentration (PPM)	**Area Count**	**Reference Factor**	**File ID**
1700	164717398	96893	FG016264.D
850	83171210	97848	FG016265.D
340	35101863	103241	FG016266.D
170	18639349	109643	FG016267.D
85	9352448	110029	FG016268.D

AVG RF : 103531 **% RSD : 6.032** **AVG RT : 15.201**

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TPH GC CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Alliane Contract: PARS02

ProjectID: Con Edison - East River Site 2

Lab Code: ACE SDG No.: Q2592

DataFile: FG016329.D Analyst Name: YP\AJ Analyst Date: 07-18-2025

Conc. (PPM)	Area Count	RF	Average RF	%D
850	88196784	103761	103531	0.222

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TPH GC CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Alliane Contract: PARS02

ProjectID: Con Edison - East River Site 2

Lab Code: ACE SDG No.: Q2592

DataFile: FG016336.D Analyst Name: YP\AJ Analyst Date: 07-18-2025

Conc. (PPM)	Area Count	RF	Average RF	%D
850	85294134	100346	103531	3.076

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TPH GC CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Alliane Contract: PARS02

ProjectID: Con Edison - East River Site 2

Lab Code: ACE SDG No.: Q2592

DataFile: FG016342.D Analyst Name: YP\AJ Analyst Date: 07-18-2025

Conc. (PPM)	Area Count	RF	Average RF	%D
850	86883822	102216	103531	1.27

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Analytical Sequence

Client: PARSONS Engineering of New York, Inc. **SDG No.:** Q2592

Project: Con Edison - East River Site 2 **Instrument ID:** FID_G

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 **15.201**

CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE AND TIME ANALYZED	DATAFILE	RT	#
PIBLK01	I.BLK01	18 Jul 2025 08:55	FG016328.D	15.207	
50 PPM TRPH STD	50 PPM TRPH STD	18 Jul 2025 09:24	FG016329.D	15.207	
WC-SOIL-20250711	Q2592-01	18 Jul 2025 10:55	FG016332.D	00.000	
PIBLK02	I.BLK02	18 Jul 2025 12:24	FG016335.D	15.204	
50 PPM TRPH STD	50 PPM TRPH STD	18 Jul 2025 12:53	FG016336.D	15.207	
PB168895BL	PB168895BL	18 Jul 2025 13:23	FG016337.D	15.202	
PB168895BS	PB168895BS	18 Jul 2025 13:52	FG016338.D	15.202	
WC-SOIL-20250711MS	Q2592-01MS	18 Jul 2025 14:22	FG016339.D	15.213	
WC-SOIL-20250711MSD	Q2592-01MSD	18 Jul 2025 14:52	FG016340.D	15.218	
PIBLK03	I.BLK03	18 Jul 2025 15:21	FG016341.D	15.208	
50 PPM TRPH STD	50 PPM TRPH STD	18 Jul 2025 15:51	FG016342.D	15.212	

 # Column used to flag RT values with an * values outside of QC limits

QC Limits	Lower Limit	Upper Limits
(± 0.10 minutes)	15.101	15.301