

LAB CHRONICLE

OrderID: Q2543 **OrderDate:** 7/9/2025 12:26:00 PM

Client: CDM Smith Project: South River WM Replacement

Contact: Marcie Ann Encinas Location: O42,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2543-01	TP-41	SOIL			07/08/25			07/09/25
			Diesel Range Organics	8015D		07/16/25	07/16/25	
			Gasoline Range Organics	8015D			07/10/25	
			PCB	8082A		07/10/25	07/10/25	
			Pesticide-TCL	8081B		07/10/25	07/10/25	
Q2543-02	TP-49	SOIL			07/09/25			07/09/25
			Diesel Range Organics	8015D		07/16/25	07/16/25	
			Gasoline Range Organics	8015D			07/10/25	
			PCB	8082A		07/10/25	07/10/25	
			Pesticide-TCL	8081B		07/10/25	07/10/25	
Q2543-03	TP-23	SOIL			07/09/25			07/09/25
			Diesel Range Organics	8015D		07/16/25	07/16/25	
			Gasoline Range Organics	8015D			07/10/25	
			PCB	8082A		07/10/25	07/10/25	
			Pesticide-TCL	8081B		07/10/25	07/10/25	
Q2543-04	TP-23-99	SOIL			07/09/25			07/09/25
			Diesel Range Organics	8015D		07/16/25	07/16/25	
			Gasoline Range Organics	8015D			07/10/25	
			PCB	8082A		07/10/25	07/10/25	
			Pesticide-TCL	8081B		07/10/25	07/10/25	







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SAMPLE DATA



07/08/25



Report of Analysis

Client: CDM Smith Date Collected:

Project: South River WM Replacement Date Received: 07/09/25

Client Sample ID: TP-41 SDG No.: Q2543

Lab Sample ID: Q2543-01 Matrix: SOIL

Analytical Method: 8015D DRO % Solid: 82 Decanted:

Sample Wt/Vol: 30.03 Units: g Final Vol: 1 mL

Soil Aliquot Vol: uL Test: Diesel Range Organics

Extraction Type: Injection Volume :

GPC Factor: PH:

Prep Method: SW3541

 File ID/Qc Batch:
 Dilution:
 Prep Date
 Date Analyzed
 Prep Batch ID

 FF016174.D
 1
 07/16/25 10:00
 07/16/25 19:16
 PB168878

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS DRO	DRO	11300		206	2030	ug/kg
SURROGATES 16416-32-3	Tetracosane-d50	12.3		37 - 130	61%	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.



07/09/25



Report of Analysis

Client: CDM Smith Date Collected:

Project: South River WM Replacement Date Received: 07/09/25

Client Sample ID: TP-49 SDG No.: Q2543

Lab Sample ID: Q2543-02 Matrix: SOIL

Analytical Method: 8015D DRO % Solid: 73.9 Decanted:

Sample Wt/Vol: 30.02 Units: g Final Vol: 1 mL

Soil Aliquot Vol: uL Test: Diesel Range Organics

Extraction Type: Injection Volume :

GPC Factor: PH:

Prep Method: SW3541

 File ID/Qc Batch:
 Dilution:
 Prep Date
 Date Analyzed
 Prep Batch ID

 FF016175.D
 1
 07/16/25 10:00
 07/16/25 19:46
 PB168878

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS DRO	DRO	7390		229	2250	ug/kg
SURROGATES 16416-32-3	Tetracosane-d50	9.18		37 - 130	46%	SPK: 20

Comments:

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LOD = Limit of Detection

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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.



Date Collected:

Date Received:

SDG No.:

Matrix:

% Solid:

Final Vol:

Injection Volume:

Test:

07/09/25

07/09/25

Q2543

SOIL

Decanted:

mL

Diesel Range Organics

85



Report of Analysis

Client: CDM Smith

South River WM Replacement

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Client Sample ID: TP-23

Lab Sample ID: Q2543-03

Analytical Method: 8015D DRO

Sample Wt/Vol: 30.04 Units:

Soil Aliquot Vol: uL

Extraction Type:

Project:

GPC Factor: PH:

Prep Method: SW3541

 File ID/Qc Batch:
 Dilution:
 Prep Date
 Date Analyzed
 Prep Batch ID

 FF016176.D
 1
 07/16/25 10:00
 07/16/25 20:16
 PB168878

CAS Number	Parameter	Conc.	Qualifier MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS DRO	DRO	3800	199	1960	ug/kg
SURROGATES 16416-32-3	Tetracosane-d50	10.8	37 - 130	54%	SPK: 20

Comments:

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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.



Date Collected:

Date Received:

SDG No.:

Matrix:

% Solid:

Final Vol:

Injection Volume:

Test:

07/09/25

07/09/25

Q2543

SOIL

85.4

Decanted:

mL

Diesel Range Organics



Report of Analysis

Client: CDM Smith

Project: South River WM Replacement

Client Sample ID: TP-23-99

Lab Sample ID: Q2543-04

Analytical Method: 8015D DRO

Sample Wt/Vol: 30.06 Units:

Soil Aliquot Vol: uL

Extraction Type:

GPC Factor: PH:

Prep Method: SW3541

 File ID/Qc Batch:
 Dilution:
 Prep Date
 Date Analyzed
 Prep Batch ID

 FG016310.D
 1
 07/16/25 10:00
 07/16/25 18:16
 PB168878

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CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS DRO	DRO	4230		197	1950	ug/kg
SURROGATES 16416-32-3	Tetracosane-d50	15.1		37 - 130	76%	SPK: 20

Comments:

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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.



QC SUMMARY



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

SOIL DIESEL RANGE ORGANICS SURROGATE RECOVERY

Lab Name:	Alliance	Client:	CDM Smith
Lab Code:	ACE	SDG No.:	Q2543

CI III) III ID	S1	S2	S3	S4	ТОТ
CLIENT ID	TETRACOSANE-d50				OUT
PIBLK-FF016170.D	92				0
PIBLK-FF016177.D	101				0
PIBLK-FG016300.D	91				0
PIBLK-FG016308.D	93				0
PIBLK-FG016313.D	93				0
PB168878BL	88				0
PB168878BS	85				0
TP-41	61				0
TP-49	46				0
TP-23	54				0
TP-23-99	76				0
TP-23-99MS	62				0
TP-23-99MSD	59				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

Fax: 908 789 8922

SOIL DIESEL RANGE ORGANICS MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	Alliance	Client:	CDM Smith
Lab Code:	ACE	SDG No:	Q2543
Client Sample ID	: TP-23-99MS	Datafile:	FG016311.D

COMPOUND	SPIKE ADDED ug/kg	SAMPLE CONCENTRATION ug/kg	MS/MSD CONCENTRATION ug/kg	% REC	Qual	QC LIMITS(%)
DRO	7793	4230	10586	82%		68-131

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SOIL DIESEL RANGE ORGANICS MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Client: CDM Smith	
SDG No: Q2543	
Datafile: FG016312.D	
	SDG No: Q2543

COMPOUND	SPIKE ADDED ug/kg	SAMPLE CONCENTRATION ug/kg	MS/MSD CONCENTRATION ug/kg	% REC	Qual	QC LIMITS(%)
DRO	7801	4230	10604	82%		68-131

MS/MSD % Recovery RPD : 0.2

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Fax: 908 789 8922

SOIL DIESEL RANGE ORGANICS LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RI

Lab Name:	Alliance	Client:	CDM Smith
ab Code:	ACE	SDG No:	Q2543
Client Sample ID	: PB168878BS	Datafile:	FG016304.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS (%)
DRO	6660	0	5498	83	68-131

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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

4B METHOD BLANK SUMMARY

CLIENT	SAMPLE	NO.

PB168878BL

Lab Name: Alli	ance	Contract:	CAMP02	
Lab Code: ACE		SDG NO.:	Q2543	3
Lab File ID:	FG016303.D	Lab Sample	ID:	PB168878BL
Instrument ID:	FG	Date Extrac	ted:	07/16/2025
Matrix: (soil/w	ater) Soil	Date Analyz	ed:	07/16/25

Level: (low/med) low Time Analyzed: 14:18

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

CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
TP-41	Q2543-01	FF016174.D	07/16/25
TP-49	Q2543-02	FF016175.D	07/16/25
TP-23	Q2543-03	FF016176.D	07/16/25
PB168878BS	PB168878BS	FG016304.D	07/16/25
TP-23-99	Q2543-04	FG016310.D	07/16/25
TP-23-99MS	Q2543-04MS	FG016311.D	07/16/25
TP-23-99MSD	Q2543-04MSD	FG016312.D	07/16/25

COMMENTS:



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QC SAMPLE DATA



Report of Analysis

Client: CDM Smith Date Collected:

Project: South River WM Replacement Date Received:

Client Sample ID: PB168878BL SDG No.: Q2543
Lab Sample ID: PB168878BL Matrix: SOIL

Analytical Method: 8015D DRO % Solid: 100 Decanted:

Sample Wt/Vol: 30.02 Units: g Final Vol: 1 mL

Soil Aliquot Vol: uL Test: Diesel Range Organics

Extraction Type: Injection Volume :

GPC Factor: PH:

Prep Method: SW3541

 File ID/Qc Batch:
 Dilution:
 Prep Date
 Date Analyzed
 Prep Batch ID

 FG016303.D
 1
 07/16/25 10:00
 07/16/25 14:18
 PB168878

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS DRO	DRO	169	U	169	1670	ug/kg
SURROGATES 16416-32-3	Tetracosane-d50	17.6		37 - 130	88%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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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.









Report of Analysis

Client: CDM Smith

Date Collected: 07/16/25

Project: South River WM Replacement

Date Received: 07/16/25

Water

Client Sample ID: PIBLK-FF016170.D

SDG No.: Q2543

Lab Sample ID: I.BLK-FF016170.D

DG No.. Q234

Analytical Method: 8015D DRO

% Solid:

Decanted:

Sample Wt/Vol: 1000 Units:

Final Vol:

Matrix:

Decamed

Soil Aliquot Vol:

Test:

mL

Diesel Range Organics

Extraction Type:

10

Injection Volume:

GPC Factor:

File ID/Qc Batch:

PH:

uL

Prep Method:

SW3510

Dilution:

Prep Date

Date Analyzed

Prep Batch ID

FF016170.D

07/16/25

FF071625

CAS Number	Parameter	Conc.	Qualifie	er MDL	LOQ / CRQL	Units
TARGETS DRO	DRO	6.00	U	6.00	50.0	ug/L
SURROGATES 16416-32-3	Tetracosane-d50	18.5		29 - 130	92%	SPK: 20

Comments:

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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.









Date Collected:

Date Received:

SDG No.:

Matrix:

% Solid:

07/16/25

07/16/25

Q2543

Water

Decanted:

mL



Report of Analysis

Client: CDM Smith

Project: South River WM Replacement

Client Sample ID: PIBLK-FF016177.D

Lab Sample ID: I.BLK-FF016177.D

Analytical Method: 8015D DRO

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

Soil Aliquot Vol: uL Test: Diesel Range Organics

Extraction Type: Injection Volume:

GPC Factor: PH:

Prep Method: SW3510

File ID/Qc Batch: Dilution: Prep Date Date Analyzed Prep Batch ID
FF016177.D 1 07/16/25 FF071625

Qualifier MDL LOQ / CRQL Units **CAS Number Parameter** Conc. **TARGETS** DRO DRO 6.00 U 6.00 50.0 ug/L **SURROGATES** 16416-32-3 Tetracosane-d50 20.2 29 - 130 101% 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.









Date Collected:

07/16/25



Report of Analysis

Client: CDM Smith

Project: South River WM Replacement Date Received: 07/16/25

Client Sample ID: PIBLK-FG016300.D SDG No.: Q2543

Lab Sample ID: I.BLK-FG016300.D Matrix: Water

Analytical Method: 8015D DRO % Solid: 0 Decanted:

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

Soil Aliquot Vol: uL Test: Diesel Range Organics

Extraction Type: Injection Volume :

GPC Factor: PH:

Prep Method: SW3510

File ID/Qc Batch: Dilution: Prep Date Date Analyzed Prep Batch ID

FG016300.D 1 07/16/25 FG071625

CAS Number	Parameter	Conc.	Qualifier	· MDL	LOQ / CRQL	Units
TARGETS DRO	DRO	6.00	U	6.00	50.0	ug/L
SURROGATES 16416-32-3	Tetracosane-d50	18.3		29 - 130	91%	SPK: 20

Comments:

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MDL = Method Detection Limit

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

* = 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.









Report of Analysis

Client: CDM Smith Date Collected: 07/16/25

Project:

Date Received: 07/16/25

Client Sample ID:

SDG No.: Q2543

Lab Sample ID:

I.BLK-FG016308.D

Matrix:

Water

Analytical Method:

8015D DRO

PIBLK-FG016308.D

% Solid:

Decanted:

Sample Wt/Vol:

Units:

South River WM Replacement

Final Vol:

mL

Soil Aliquot Vol:

uL

Test:

Diesel Range Organics

Extraction Type:

Injection Volume:

GPC Factor:

PH:

Prep Method:

File ID/Qc Batch:

SW3510

Dilution:

1000

Prep Date

Date Analyzed

Prep Batch ID

FG016308.D

07/16/25

FG071625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS DRO	DRO	6.00	U	6.00	50.0	ug/L
SURROGATES 16416-32-3	Tetracosane-d50	18.7		29 - 130	93%	SPK: 20

Comments:

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MDL = Method Detection Limit

LOD = Limit of Detection

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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.



Date Collected:

Date Received:

Injection Volume:

SDG No.:

Matrix:

% Solid:

07/16/25

07/16/25

Q2543

Water

Decanted:

mL



Report of Analysis

Client: CDM Smith

Project: South River WM Replacement

Client Sample ID: PIBLK-FG016313.D

Lab Sample ID: I.BLK-FG016313.D

Analytical Method: 8015D DRO

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

Soil Aliquot Vol: uL Test: Diesel Range Organics

Extraction Type:

GPC Factor: PH:

Prep Method: SW3510

File ID/Qc Batch: Dilution: Prep Date Date Analyzed Prep Batch ID

FG016313.D 1 07/16/25 FG071625

CAS Number	Parameter	Conc.	Qualifie	r MDL	LOQ / CRQL	Units
TARGETS DRO	DRO	6.00	U	6.00	50.0	ug/L
SURROGATES 16416-32-3	Tetracosane-d50	18.6		29 - 130	93%	SPK: 20

Comments:

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LOO = 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

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Report of Analysis

Client: CDM Smith Date Collected:

Project: South River WM Replacement Date Received:

Client Sample ID: PB168878BS SDG No.: Q2543
Lab Sample ID: PB168878BS Matrix: SOIL

Analytical Method: 8015D DRO % Solid: 100 Decanted:

Sample Wt/Vol: 30.03 Units: g Final Vol: 1 mL

Soil Aliquot Vol: uL Test: Diesel Range Organics

Extraction Type: Injection Volume :

GPC Factor : PH :

Prep Method: SW3541

 File ID/Qc Batch:
 Dilution:
 Prep Date
 Date Analyzed
 Prep Batch ID

 FG016304.D
 1
 07/16/25 10:00
 07/16/25 14:47
 PB168878

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS DRO	DRO	5500		169	1670	ug/kg
SURROGATES 16416-32-3	Tetracosane-d50	17.0		37 - 130	85%	SPK: 20

Comments:

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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.











Report of Analysis

Client: CDM Smith Date Collected: 07/09/25

Project: South River WM Replacement Date Received: 07/09/25

Client Sample ID: TP-23-99MS SDG No.: Q2543

Lab Sample ID: Q2543-04MS Matrix: SOIL

Analytical Method: 8015D DRO % Solid: 85.4 Decanted:

Sample Wt/Vol: 30.05 Units: g Final Vol: 1 mL

Soil Aliquot Vol: uL Test: Diesel Range Organics

Extraction Type: Injection Volume :

GPC Factor : PH :

Prep Method: SW3541

 File ID/Qc Batch:
 Dilution:
 Prep Date
 Date Analyzed
 Prep Batch ID

 FG016311.D
 1
 07/16/25 10:00
 07/16/25 18:46
 PB168878

Qualifier MDL LOQ / CRQL Units(Dry Weight) **CAS Number Parameter** Conc. **TARGETS** DRO DRO 10600 198 1950 ug/kg **SURROGATES** 16416-32-3 Tetracosane-d50 12.3 37 - 13062% SPK: 20

Comments:

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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.









Date Collected:

Date Received:

SDG No.:

Matrix:

% Solid:

Final Vol:

Injection Volume:

Test:

07/09/25

07/09/25

Q2543

SOIL

85.4

Decanted:

mL

Diesel Range Organics



Report of Analysis

Client: CDM Smith

Project: South River WM Replacement

Client Sample ID: TP-23-99MSD

Lab Sample ID: Q2543-04MSD

Analytical Method: 8015D DRO

Sample Wt/Vol: 30.02 Units:

Soil Aliquot Vol: uL

Extraction Type:

GPC Factor: PH:

Prep Method: SW3541

 File ID/Qc Batch:
 Dilution:
 Prep Date
 Date Analyzed
 Prep Batch ID

 FG016312.D
 1
 07/16/25 10:00
 07/16/25 19:16
 PB168878

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CAS Number	Parameter	Conc.	Qualifier MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS DRO	DRO	10600	198	1950	ug/kg
SURROGATES 16416-32-3	Tetracosane-d50	11.8	37 - 130	59%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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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.









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CALIBRATION SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

DIESEL RANGE ORGANICS INITIAL CALIBRATION SUMMARY

Lab Name:	Alliance	Contract:	CAMP02	
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ProjectID: South River WM Replacement

Lab Code: ACE SDG No.: Q2543

Calibration Sequence : FF071025		Test : Diesel Rang	ge Organics	
Concentration	(PPM)	Area Count	Reference Factor	File ID
1000		104463293	104463	FF016130.D
500		56348110	112696	FF016131.D
200		23430036	117150	FF016132.D
100		12876046	128760	FF016133.D
50		5695447	113909	FF016134.D
AVG RF: 115396		0/	6 RSD: 7.638	AVG RT: 15.1002

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ProjectID: South River WM Replacement

Lab Code: ACE SDG No.: Q2543

Calibration Sequence : FG070925		Test : Diesel Rang	ge Organics	
Concentration	(PPM)	Area Count	Reference Factor	File ID
1000		107457449	107457	FG016264.D
500		53927299	107855	FG016265.D
200		23004292	115021	FG016266.D
100		12319443	123194	FG016267.D
50		6076250	121525	FG016268.D
AVG RF: 115010		9/	6 RSD: 6.414	AVG RT: 15.201

AVG RF: 115010 % RSD: 6.414 AVG RT: 15.201

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DIESEL RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Alliane Contract: CAMP02

ProjectID: South River WM Replacement

Lab Code: ACE SDG No.: Q2543

DataFile: FF016171.D Analyst Name: YP\AJ Analyst Date: 07-16-2025

Conc. (PPM)	Area Count	RF	Average RF	%D
500	57646303	115293	115396	0.089

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DIESEL RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Alliane Contract: CAMP02

ProjectID: South River WM Replacement

Lab Code: ACE SDG No.: Q2543

DataFile: FF016178.D Analyst Name: YP\AJ Analyst Date: 07-16-2025

Conc. (PPM)	Area Count	RF	Average RF	%D
500	63725868	127452	115396	10.448

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DIESEL RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Alliane Contract: CAMP02

ProjectID: South River WM Replacement

Lab Code: ACE SDG No.: Q2543

DataFile: FG016301.D Analyst Name: YP\AJ Analyst Date: 07-16-2025

Conc. (PPM)	Area Count	RF	Average RF	%D
500	54750916	109502	115010	4.789

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DIESEL RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Alliane Contract: CAMP02

ProjectID: South River WM Replacement

Lab Code: ACE SDG No.: Q2543

DataFile: FG016309.D Analyst Name: YP\AJ Analyst Date: 07-16-2025

Conc. (PPM)	Area Count	RF	Average RF	%D
500	56207865	112416	115010	2.255

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DIESEL RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Alliane Contract: CAMP02

ProjectID: South River WM Replacement

Lab Code: ACE SDG No.: Q2543

DataFile: FG016314.D Analyst Name: YP\AJ Analyst Date: 07-16-2025

Conc. (PPM)	Area Count	RF	Average RF	%D
500	56814336	113629	115010	1.201

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Analytical Sequence

Client: CDM Smith SDG No.: Q2543

Project: South River WM Replacement 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	15.1002		_	
CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE AND TIME ANALYZED	DATAFILE	RT	#
PIBLK01	I.BLK01	16 Jul 2025 16:47	FF016170.D	15.096	
50 PPM TRPH STD	50 PPM TRPH STD	16 Jul 2025 17:16	FF016171.D	15.097	
TP-41	Q2543-01	16 Jul 2025 19:16	FF016174.D	15.094	
TP-49	Q2543-02	16 Jul 2025 19:46	FF016175.D	15.092	
TP-23	Q2543-03	16 Jul 2025 20:16	FF016176.D	15.093	
PIBLK02	I.BLK02	16 Jul 2025 20:45	FF016177.D	15.093	
50 PPM TRPH STD	50 PPM TRPH STD	16 Jul 2025 22:44	FF016178.D	15.094	
PIBLK03	I.BLK03	16 Jul 2025 12:08	FG016300.D	15.201	
50 PPM TRPH STD	50 PPM TRPH STD	16 Jul 2025 12:40	FG016301.D	15.204	
PB168878BL	PB168878BL	16 Jul 2025 14:18	FG016303.D	15.198	
PB168878BS	PB168878BS	16 Jul 2025 14:47	FG016304.D	15.199	
PIBLK04	I.BLK04	16 Jul 2025 16:47	FG016308.D	15.201	
50 PPM TRPH STD	50 PPM TRPH STD	16 Jul 2025 17:16	FG016309.D	15.203	
TP-23-99	Q2543-04	16 Jul 2025 18:16	FG016310.D	15.200	
TP-23-99MS	Q2543-04MS	16 Jul 2025 18:46	FG016311.D	15.199	
TP-23-99MSD	Q2543-04MSD	16 Jul 2025 19:16	FG016312.D	15.199	
PIBLK05	I.BLK05	16 Jul 2025 19:46	FG016313.D	15.198	\neg
50 PPM TRPH STD	50 PPM TRPH STD	16 Jul 2025 20:45	FG016314.D	15.201	

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