

LAB CHRONICLE

OrderID:	Q1626	OrderDate:	3/21/2025 12:59:00 PM
Client:	Walsh Construction Company II, LLC	Project:	Walsh CO-032 Sampling
Contact:	Evelyne Benie Dion Gokan	Location:	F11,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1626-01	CO-32-1	SOIL			03/21/25			03/21/25
			Gasoline Range Organics	8015D			03/24/25	
			PCB	8082A		03/24/25	03/24/25	
			Pesticide-TCL	8081B		03/24/25	03/25/25	
			TPH GC	8015D		03/25/25	03/25/25	
			EPH_NF	NJEPH		03/24/25	03/24/25	
Q1626-01DL	CO-32-1DL	SOIL			03/21/25			03/21/25
			PCB	8082A		03/24/25	03/25/25	
Q1626-03	CO-32-1	TCLP			03/21/25			03/21/25
			TCLP Pesticide	8081B		03/25/25	03/25/25	



SAMPLE DATA

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	03/21/25	
Project:	Walsh CO-032 Sampling		Date Received:	03/21/25	
Client Sample ID:	CO-32-1		SDG No.:	Q1626	
Lab Sample ID:	Q1626-01		Matrix:	SOIL	
Analytical Method:	8015D TPH		% Solid:	94.8	Decanted:
Sample Wt/Vol:	30.04	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
FG015549.D	20	03/25/25 08:41	03/25/25 14:16	PB167294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
PHC	Petroleum Hydrocarbons	310000		8090	59700	ug/kg
SURROGATES						
16416-32-3	TETRACOSANE-d50	1.24		37 - 130	124%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

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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

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QC SUMMARY

SOIL TPH GC SURROGATE RECOVERY

Lab Name: Chemtech Client: Walsh Construction Company II, LLC
Lab Code: CHEM Case No.: Q1626 SAS No.: Q1626 SDG No.: Q1626

EPA SAMPLE NO.	S1 TETRACOSANE-d50	S2	S3	S4	TOT OUT
PIBLK-FG015541.D	101				0
PIBLK-FG015550.D	102				0
PB167294BL	92				0
PB167294BS	98				0
CO-32-1	124				0
CO-32-1MS	118				0
CO-32-1MSD	117				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: Chemtech **Client:** Walsh Construction Company II, LLC
Lab Code: CHEM **Cas No:** Q1626 **SAS No :** Q1626 **SDG No:** Q1626
Client SampleID : CO-32-1MS **Datafile:** FG015547.D

COMPOUND	SPIKE ADDED ug/kg	SAMPLE CONCENTRATION ug/kg	MS/MSD CONCENTRATION ug/kg	% REC	Qual	QC LIMITS
Petroleum Hydrocarbons	11927	296000	253000	-361%	*	68-131

SOIL TPH GC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Walsh Construction Company II, LLC
Lab Code: CHEM **Cas No:** Q1626 **SAS No :** Q1626 **SDG No:** Q1626
Client SampleID : CO-32-1MSD **Datafile:** FG015548.D

COMPOUND	SPIKE ADDED ug/kg	SAMPLE CONCENTRATION ug/kg	MS/MSD CONCENTRATION ug/kg	% REC	Qual	QC LIMITS
Petroleum Hydrocarbons	11931	296000	252000	-368%	*	68-131

MS/MSD % Recovery RPD : 1.92

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

Lab Name: Chemtech **Client:** Walsh Construction Company II, LLC
Lab Code: CHEM **Cas No:** Q1626 **SAS No :** Q1626 **SDG No:** Q1626
Matrix Spike - EPA Sample No : PB167294BS **Datafile:** FG015545.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS
Petroleum Hydrocarbons	11322	0	9380	83	68-131

4B
METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167294BL

Lab Name: CHEMTECH

Contract: WALS01

Lab Code: CHEM Case No.: Q1626

SAS No.: Q1626 SDG NO.: Q1626

Lab File ID: FG015544.D

Lab Sample ID: PB167294BL

Instrument ID: FG

Date Extracted: 03/25/2025

Matrix: (soil/water) Soil

Date Analyzed: 03/25/25

Level: (low/med) low

Time Analyzed: 11:49

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB167294BS	PB167294BS	FG015545.D	03/25/25
CO-32-1MS	Q1626-01MS	FG015547.D	03/25/25
CO-32-1MSD	Q1626-01MSD	FG015548.D	03/25/25
CO-32-1	Q1626-01	FG015549.D	03/25/25

COMMENTS: _____



QC SAMPLE DATA

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:		
Project:	Walsh CO-032 Sampling		Date Received:		
Client Sample ID:	PB167294BL		SDG No.:	Q1626	
Lab Sample ID:	PB167294BL		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
FG015544.D	1	03/25/25 08:41	03/25/25 11:49	PB167294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
PHC	Petroleum Hydrocarbons	384	U	384	2830	ug/kg
SURROGATES						
16416-32-3	TETRACOSANE-d50	18.4		37 - 130	92%	SPK: 20

Comments:

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() = Laboratory InHouse Limit

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	03/25/25
Project:	Walsh CO-032 Sampling	Date Received:	03/25/25
Client Sample ID:	PIBLK-FG015541.D	SDG No.:	Q1626
Lab Sample ID:	I.BLK-FG015541.D	Matrix:	Water
Analytical Method:	8015D TPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	1 mL
Extraction Type:		Test:	TPH GC
GPC Factor :	PH :	Injection Volume :	
Prep Method :	SW3510		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG015541.D	1		03/25/25	FG032525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
PHC	Petroleum Hydrocarbons	12.0	U	12.0	85.0	ug/L
SURROGATES						
16416-32-3	TETRACOSANE-d50	20.3		29 - 130	101%	SPK: 20

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Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	03/25/25	
Project:	Walsh CO-032 Sampling		Date Received:	03/25/25	
Client Sample ID:	PIBLK-FG015550.D		SDG No.:	Q1626	
Lab Sample ID:	I.BLK-FG015550.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
FG015550.D	1		03/25/25	FG032525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
PHC	Petroleum Hydrocarbons	12.0	U	12.0	85.0	ug/L
SURROGATES						
16416-32-3	TETRACOSANE-d50	20.4		29 - 130	102%	SPK: 20

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Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:		
Project:	Walsh CO-032 Sampling		Date Received:		
Client Sample ID:	PB167294BS		SDG No.:	Q1626	
Lab Sample ID:	PB167294BS		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
FG015545.D	1	03/25/25 08:41	03/25/25 12:19	PB167294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
PHC	Petroleum Hydrocarbons	9380		384	2830	ug/kg
SURROGATES						
16416-32-3	TETRACOSANE-d50	19.6		37 - 130	98%	SPK: 20

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M = MS/MSD acceptance criteria did not meet requirements

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	03/21/25
Project:	Walsh CO-032 Sampling	Date Received:	03/21/25
Client Sample ID:	CO-32-1MS	SDG No.:	Q1626
Lab Sample ID:	Q1626-01MS	Matrix:	SOIL
Analytical Method:	8015D TPH	% Solid:	94.8
Sample Wt/Vol:	30.07 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
FG015547.D	1	03/25/25 08:41	03/25/25 13:17	PB167294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
PHC	Petroleum Hydrocarbons	253000	E	404	2980	ug/kg
SURROGATES						
16416-32-3	TETRACOSANE-d50	23.7		37 - 130	118%	SPK: 20

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	03/21/25
Project:	Walsh CO-032 Sampling	Date Received:	03/21/25
Client Sample ID:	CO-32-1MSD	SDG No.:	Q1626
Lab Sample ID:	Q1626-01MSD	Matrix:	SOIL
Analytical Method:	8015D TPH	% Solid:	94.8
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TPH GC
GPC Factor :		Injection Volume :	
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG015548.D	1	03/25/25 08:41	03/25/25 13:47	PB167294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
PHC	Petroleum Hydrocarbons	252000	E	404	2980	ug/kg
SURROGATES						
16416-32-3	TETRACOSANE-d50	23.4		37 - 130	117%	SPK: 20

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M = MS/MSD acceptance criteria did not meet requirements

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CALIBRATION SUMMARY

TPH GC INITIAL CALIBRATION SUMMARY

Lab Name: Chemtech Contract: WALS01
 ProjectID: Walsh CO-032 Sampling
 Lab Code: CHEM Case No.: Q1626 SAS No.: Q1626 SDG No.: Q1626

Calibration Sequence : FG030325		Test : TPH GC	
Concentration (PPM)	Area Count	Reference Factor	File ID
1700	180093239	105937	FG015426.D
850	88070199	103612	FG015427.D
340	36924679	108602	FG015428.D
170	19919720	117175	FG015429.D
85	10372340	122028	FG015430.D
AVG RF : 111471		% RSD : 7.015	AVG RT : 15.0338

TPH GC CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Chemtech Contract: WALS01
ProjectID: Walsh CO-032 Sampling
Lab Code: CHEM Case No.: Q1626 SAS No.: Q1626 SDG No.: Q1626
DataFile: FG015542.D Analyst Name: YP\AJ Analyst Date: 03-25-2025

Conc. (PPM)	Area Count	RF	Average RF	%D
850	98564735	115959	111471	4.026

TPH GC CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Chemtech Contract: WALS01
ProjectID: Walsh CO-032 Sampling
Lab Code: CHEM Case No.: Q1626 SAS No.: Q1626 SDG No.: Q1626
DataFile: FG015551.D Analyst Name: YP\AJ Analyst Date: 03-25-2025

Conc. (PPM)	Area Count	RF	Average RF	%D
850	98252995	115592	111471	3.697

Analytical Sequence

Client: Walsh Construction Company II, LLC

SDG No.: Q1626

Project: Walsh CO-032 Sampling

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 15.0338					
EPA SAMPLE NO.	LAB SAMPLE ID	DATE AND TIME ANALYZED	DATAFILE	RT	#
PIBLK01	LBLK01	25 Mar 2025 09:47	FG015541.D	15.019	
50 PPM TRPH STD	50 PPM TRPH STD	25 Mar 2025 10:50	FG015542.D	15.022	
PB167294BL	PB167294BL	25 Mar 2025 11:49	FG015544.D	15.019	
PB167294BS	PB167294BS	25 Mar 2025 12:19	FG015545.D	15.018	
CO-32-1MS	Q1626-01MS	25 Mar 2025 13:17	FG015547.D	14.981	
CO-32-1MSD	Q1626-01MSD	25 Mar 2025 13:47	FG015548.D	14.989	
CO-32-1	Q1626-01	25 Mar 2025 14:16	FG015549.D	14.981	
PIBLK02	LBLK02	25 Mar 2025 14:45	FG015550.D	15.029	
50 PPM TRPH STD	50 PPM TRPH STD	25 Mar 2025 15:15	FG015551.D	15.032	