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

DATA PACKAGE

GC SEMI-VOLATILES

PROJECT NAME : 1500 OAK

EARTH ENGINEERING INC.

403 Commerce Lane

West Berlin, NJ - 08091

Phone No: 8567681001

ORDER ID : Q2342

ATTENTION : Frank Dougherty, LSRP

Laboratory Certification ID # 20012

Table Of Contents for Q2342

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Cover Page

Order ID : Q2342

Project ID : 1500 Oak

Client : Earth Engineering Inc.

Lab Sample Number	Client Sample Number
Q2342-01	S-1
Q2342-02	S-2
Q2342-03	S-3
Q2342-04	S-4
Q2342-05	S-5

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 6/25/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Earth Engineering Inc.
Project Name: 1500 Oak
Project # N/A
Order ID # Q2342
Test Name: EPH_NF

A. Number of Samples and Date of Receipt:
5 Solid samples were received on 06/17/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: EPH_NF. This data package contains results for EPH_NF.

C. Analytical Techniques:
The analysis were performed on instrument FID_E. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 10224.The analysis of EPH_NFs was based on method NJEPH and extraction was done based on method 3541.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Retention Times were acceptable for all samples.

The MS recoveries for {Q2347-01MS} with File ID: FE054490.D met requirements for all samples except for Aliphatic [n-Decane(C10)-142%] due to matrix interference.

The MSD {Q2347-01MSD} with File ID: FE054491.D recoveries met requirements for all samples except for Aliphatic [n-Decane(C10)- 141%] due to matrix interference.

The RPD met criteria .
The Blank Spike met requirements.
The Blank Spike Duplicate met requirements
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .

E. Additional Comments:
The soil samples results are based on a dry weight basis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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Signature_____

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908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value**.** This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2342

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: SOHIL JODHANI **Date:** 06/25/2025

SAMPLE DATA

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	06/16/25
Project:	1500 Oak	Date Received:	06/17/25
Client Sample ID:	S-1	SDG No.:	Q2342
Lab Sample ID:	Q2342-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.6
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/18/25 09:13	06/18/25 15:26	PB168533

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.08		1	1.38	2.33	mg/kg	FE054483.D
Aliphatic C9-C28	Aliphatic C9-C28	5.67		1	1.06	4.67	mg/kg	FE054483.D
Total AliphaticEPH	Total AliphaticEPH	10.8			2.44	7.00	mg/kg	
Total EPH	Total EPH	10.8			2.44	7.00	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control 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:	Earth Engineering Inc.	Date Collected:	06/16/25
Project:	1500 Oak	Date Received:	06/17/25
Client Sample ID:	S-1	SDG No.:	Q2342
Lab Sample ID:	Q2342-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.6
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054483.D	1	06/18/25	06/18/25	PB168533

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	5.67		1.06	4.67	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.08		1.38	2.33	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.8		40 - 140	76%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	34.4		40 - 140	69%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2342-01	Acq On:	18 Jun 2025 15:26
Client Sample ID:	S-1	Operator:	YP\AJ
Data file:	FE054483.D	Misc:	
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.072	6.717	2198536	17.552	300	ug/ml
Aliphatic C12-C16	6.718	10.164	870600	6.638	200	ug/ml
Aliphatic C16-C21	10.165	13.536	5223756	39.005	300	ug/ml
Aliphatic C21-C28	13.537	17.204	1255596	9.881	400	ug/ml
Aliphatic C28-C40	17.205	22.063	8380030	65.344	600	ug/ml
Aliphatic EPH	3.072	22.063	17928518	138.42		ug/ml
ortho-Terphenyl (SURR)	11.824	11.824	5683141	34.39		ug/ml
1-chlorooctadecane (SURR)	13.270	13.270	4603007	37.75		ug/ml
Aliphatic C9-C28	3.072	17.204	9548488	73.076	1200	ug/ml

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	06/16/25
Project:	1500 Oak	Date Received:	06/17/25
Client Sample ID:	S-2	SDG No.:	Q2342
Lab Sample ID:	Q2342-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.2
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/18/25 09:13	06/18/25 15:57	PB168533

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	4.30		1	1.37	2.31	mg/kg	FE054484.D
Aliphatic C9-C28	Aliphatic C9-C28	3.89	J	1	1.05	4.63	mg/kg	FE054484.D
Total AliphaticEPH	Total AliphaticEPH	8.19			2.42	6.94	mg/kg	
Total EPH	Total EPH	8.19			2.42	6.94	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control 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:	Earth Engineering Inc.	Date Collected:	06/16/25
Project:	1500 Oak	Date Received:	06/17/25
Client Sample ID:	S-2	SDG No.:	Q2342
Lab Sample ID:	Q2342-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.2
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054484.D	1	06/18/25	06/18/25	PB168533

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	3.89	J	1.05	4.63	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	4.30		1.37	2.31	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	56.0		40 - 140	112%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	48.1		40 - 140	96%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2342-02	Acq On:	18 Jun 2025 15:57
Client Sample ID:	S-2	Operator:	YP\AJ
Data file:	FE054484.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.072	6.717	2010003	16.047	300	ug/ml
Aliphatic C12-C16	6.718	10.164	1055093	8.045	200	ug/ml
Aliphatic C16-C21	10.165	13.536	1329123	9.924	300	ug/ml
Aliphatic C21-C28	13.537	17.204	2070779	16.297	400	ug/ml
Aliphatic C28-C40	17.205	22.063	7151595	55.765	600	ug/ml
Aliphatic EPH	3.072	22.063	13616593	106.078		ug/ml
ortho-Terphenyl (SURR)	11.826	11.826	7942859	48.07		ug/ml
1-chlorooctadecane (SURR)	13.271	13.271	6825320	55.97		ug/ml
Aliphatic C9-C28	3.072	17.204	6464998	50.313	1200	ug/ml

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	06/16/25
Project:	1500 Oak	Date Received:	06/17/25
Client Sample ID:	S-3	SDG No.:	Q2342
Lab Sample ID:	Q2342-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.7
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/18/25 09:13	06/18/25 16:27	PB168533

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.97		1	1.39	2.36	mg/kg	FE054485.D
Aliphatic C9-C28	Aliphatic C9-C28	2.91	J	1	1.07	4.72	mg/kg	FE054485.D
Total AliphaticEPH	Total AliphaticEPH	6.88	J		2.46	7.08	mg/kg	
Total EPH	Total EPH	6.88	J		2.46	7.08	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	06/16/25
Project:	1500 Oak	Date Received:	06/17/25
Client Sample ID:	S-3	SDG No.:	Q2342
Lab Sample ID:	Q2342-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.7
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054485.D	1	06/18/25	06/18/25	PB168533

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		2.91	J	1.07	4.72	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		3.97		1.39	2.36	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		42.7		40 - 140	85%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		37.5		40 - 140	75%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2342-03	Acq On:	18 Jun 2025 16:27
Client Sample ID:	S-3	Operator:	YP\AJ
Data file:	FE054485.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.072	6.717	2144897	17.124	300	ug/ml
Aliphatic C12-C16	6.718	10.164	886969	6.763	200	ug/ml
Aliphatic C16-C21	10.165	13.536	576915	4.308	300	ug/ml
Aliphatic C21-C28	13.537	17.204	1118565	8.803	400	ug/ml
Aliphatic C28-C40	17.205	22.063	6484647	50.564	600	ug/ml
Aliphatic EPH	3.072	22.063	11211993	87.562		ug/ml
ortho-Terphenyl (SURR)	11.824	11.824	6189787	37.46		ug/ml
1-chlorooctadecane (SURR)	13.269	13.269	5208559	42.71		ug/ml
Aliphatic C9-C28	3.072	17.204	4727346	36.998	1200	ug/ml

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Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:	06/16/25	
Project:	1500 Oak		Date Received:	06/17/25	
Client Sample ID:	S-4		SDG No.:	Q2342	
Lab Sample ID:	Q2342-04		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	87.5	
Sample Wt/Vol:	30.03	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
06/18/25 09:13	06/18/25 16:58	PB168533

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	4.06		1	1.35	2.28	mg/kg	FE054486.D
Aliphatic C9-C28	Aliphatic C9-C28	3.73	J	1	1.04	4.56	mg/kg	FE054486.D
Total AliphaticEPH	Total AliphaticEPH	7.79			2.39	6.84	mg/kg	
Total EPH	Total EPH	7.79			2.39	6.84	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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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:	Earth Engineering Inc.	Date Collected:	06/16/25
Project:	1500 Oak	Date Received:	06/17/25
Client Sample ID:	S-4	SDG No.:	Q2342
Lab Sample ID:	Q2342-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.5
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054486.D	1	06/18/25	06/18/25	PB168533

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		3.73	J	1.04	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		4.06		1.35	2.28	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		58.5		40 - 140	117%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		51.4		40 - 140	103%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2342-04	Acq On:	18 Jun 2025 16:58
Client Sample ID:	S-4	Operator:	YP\AJ
Data file:	FE054486.D	Misc:	
Instrument:	FID_E	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.072	6.717	2473725	19.749	300	ug/ml
Aliphatic C12-C16	6.718	10.164	1384753	10.558	200	ug/ml
Aliphatic C16-C21	10.165	13.536	818980	6.115	300	ug/ml
Aliphatic C21-C28	13.537	17.204	1598049	12.576	400	ug/ml
Aliphatic C28-C40	17.205	22.063	6847569	53.394	600	ug/ml
Aliphatic EPH	3.072	22.063	13123076	102.394		ug/ml
ortho-Terphenyl (SURR)	11.826	11.826	8495353	51.41		ug/ml
1-chlorooctadecane (SURR)	13.271	13.271	7139187	58.54		ug/ml
Aliphatic C9-C28	3.072	17.204	6275507	48.998	1200	ug/ml

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	06/16/25
Project:	1500 Oak	Date Received:	06/17/25
Client Sample ID:	S-5	SDG No.:	Q2342
Lab Sample ID:	Q2342-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.6
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/18/25 09:13	06/18/25 17:28	PB168533

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.84		1	1.38	2.33	mg/kg	FE054487.D
Aliphatic C9-C28	Aliphatic C9-C28	3.30	J	1	1.06	4.68	mg/kg	FE054487.D
Total AliphaticEPH	Total AliphaticEPH	7.14			2.44	7.01	mg/kg	
Total EPH	Total EPH	7.14			2.44	7.01	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control 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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Fax : 908 789 8922

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	06/16/25
Project:	1500 Oak	Date Received:	06/17/25
Client Sample ID:	S-5	SDG No.:	Q2342
Lab Sample ID:	Q2342-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.6
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054487.D	1	06/18/25	06/18/25	PB168533

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		3.30	J	1.06	4.68	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		3.84		1.38	2.33	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		49.9		40 - 140	100%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		45.4		40 - 140	91%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2342-05	Acq On:	18 Jun 2025 17:28
Client Sample ID:	S-5	Operator:	YP\AJ
Data file:	FE054487.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.072	6.717	1982597	15.828	300	ug/ml
Aliphatic C12-C16	6.718	10.164	1298773	9.903	200	ug/ml
Aliphatic C16-C21	10.165	13.536	710777	5.307	300	ug/ml
Aliphatic C21-C28	13.537	17.204	1449862	11.41	400	ug/ml
Aliphatic C28-C40	17.205	22.063	6331413	49.37	600	ug/ml
Aliphatic EPH	3.072	22.063	11773422	91.818		ug/ml
ortho-Terphenyl (SURR)	11.825	11.825	7507109	45.43		ug/ml
1-chlorooctadecane (SURR)	13.270	13.270	6087004	49.91		ug/ml
Aliphatic C9-C28	3.072	17.204	5442009	42.448	1200	ug/ml

QC SUMMARY

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SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: EARTH03

Lab Code: CHEM CASE No.: Q2342 SAS No.: Q2342 SDG No.: Q2342

Run Number: FE061825AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
PB168533BL	82	78		0
PB168533BS	87	81		0
PB168533BSD	83	78		0
S-1	76	69		0
S-2	112	96		0
S-3	85	75		0
S-4	117	103		0
S-5	100	91		0
TP-10MS	81	74		0
TP-10MSD	80	73		0

	QC LIMITS
1-chlorooctadecane (SURR)	(40-140)
ortho-Terphenyl (SURR)	(40-140)

Column to be used to flag recovery values
* Values outside of contract required QC Limits
D Surrogate diluted out

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SOLID EPH_NF MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	Chemtech			**Client:**	Earth Engineering Inc.		
Lab Code:	CHEM	**Cas No:**	Q2342	**SAS No :**	Q2342	**SDG No:**	Q2342
Sample No :	Q2347-01MS	**Datafile:**	FE054490.D	**Client ID :**	TP-10MS		

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C28-C40	33.3	4.23	34.5	91		(40-140)
Aliphatic C9-C28	111.0	8.10	90.6	74		(40-140)

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
n-Nonane (C9)	3.7	0.0204	2.2398	60		(40-140)
n-Decane (C10)	3.7	0.0190	5.2608	142	*	(40-140)
Naphthalene (C11.7)	3.7	0.0000	2.9599	80		(40-140)
n-Dodecane (C12)	3.7	0.0069	2.6397	71		(40-140)
2-methylnaphthalene (C12.89)	3.7	0.0041	2.8761	78		(40-140)
n-Tetradecane (C14)	3.7	0.0253	2.8201	76		(40-140)
n-Hexadecane (C16)	3.7	0.0000	3.1030	84		(40-140)
n-Octadecane (C18)	3.7	0.0123	3.1232	84		(40-140)
n-Eicosane (C20)	3.7	0.0226	3.2404	87		(40-140)
n-Heneicosane (C21)	3.7	0.0376	3.1637	84		(40-140)
n-Docosane (C22)	3.7	0.0758	3.1822	84		(40-140)
n-Tetracosane (C24)	7.4	0.0657	6.9378	93		(40-140)
n-Hexacosane (C26)	3.7	0.0228	3.1754	85		(40-140)
n-Octacosane (C28)	3.7	0.0946	3.5162	92		(40-140)
n-Tricontane (C30)	3.7	0.1202	3.2037	83		(40-140)
n-Dotriacontane (C32)	3.7	0.1289	3.5684	93		(40-140)
n-Tetratriacontane (C34)	3.7	0.0853	3.3126	87		(40-140)
n-Hexatriacontane (C36)	3.7	0.1249	3.3754	88		(40-140)
n-Octatriacontane (C38)	3.7	0.2647	4.5011	114		(40-140)
n-Tetracontane (C40)	3.7	0.5314	3.7530	87		(40-140)

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SOLID EPH_NF MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	Chemtech			**Client:**	Earth Engineering Inc.		
Lab Code:	CHEM	**Cas No:**	Q2342	**SAS No :**	Q2342	**SDG No:**	Q2342
Sample No :	Q2347-01MSD	**Datafile:**	FE054491.D	**Client ID :**	TP-10MSD		

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aliphatic C28-C40	33.3	4.23	34.9	92		1.09 |	(40-140)	50
Aliphatic C9-C28	111.0	8.10	90.0	74		0.7 |	(40-140)	50

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
n-Nonane (C9)	3.7	0.0204	2.2422	60		0 |	(40-140)	50
n-Decane (C10)	3.7	0.0190	5.2482	141	*	0.71 |	(40-140)	50
Naphthalene (C11.7)	3.7	0.0000	2.9388	79		1.26 |	(40-140)	50
n-Dodecane (C12)	3.7	0.0069	2.6381	71		0 |	(40-140)	50
2-methylnaphthalene (C12.89)	3.7	0.0041	2.8282	76		2.6 |	(40-140)	50
n-Tetradecane (C14)	3.7	0.0253	2.8163	75		1.32 |	(40-140)	50
n-Hexadecane (C16)	3.7	0.0000	3.0917	84		0 |	(40-140)	50
n-Octadecane (C18)	3.7	0.0123	3.0874	83		1.2 |	(40-140)	50
n-Eicosane (C20)	3.7	0.0226	3.2184	86		1.16 |	(40-140)	50
n-Heneicosane (C21)	3.7	0.0376	3.1413	84		0 |	(40-140)	50
n-Docosane (C22)	3.7	0.0758	3.1579	83		1.2 |	(40-140)	50
n-Tetracosane (C24)	7.4	0.0657	10.2284	137		38.26 |	(40-140)	50
n-Hexacosane (C26)	3.7	0.0228	3.1344	84		1.18 |	(40-140)	50
n-Octacosane (C28)	3.7	0.0946	3.4486	91		1.09 |	(40-140)	50
n-Tricontane (C30)	3.7	0.1202	3.1712	82		1.21 |	(40-140)	50
n-Dotriacontane (C32)	3.7	0.1289	3.3912	88		5.52 |	(40-140)	50
n-Tetratriacontane (C34)	3.7	0.0853	3.2642	86		1.16 |	(40-140)	50
n-Hexatriacontane (C36)	3.7	0.1249	3.4110	89		1.13 |	(40-140)	50
n-Octatriacontane (C38)	3.7	0.2647	4.0175	101		12.09 |	(40-140)	50
n-Tetracontane (C40)	3.7	0.5314	3.4843	80		8.38 |	(40-140)	50

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SOLID EPH_NF LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name:	Chemtech			**Client:**	Earth Engineering Inc.		
Lab Code:	CHEM	**Cas No:**	Q2342	**SAS No :**	Q2342	**SDG No:**	Q2342
Sample No :	PB168533BS	**Datafile:**	FE054481.D	**Client ID :**	PB168533BS		

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C28-C40	30.0	25.0	83		(40-140)
Aliphatic C9-C28	99.9	76.5	76		(40-140)

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
n-Nonane (C9)	3.3	2.10237	64		(40-140)
n-Decane (C10)	3.3	2.16775	66		(40-140)
Naphthalene (C11.7)	3.3	2.64658	80		(40-140)
n-Dodecane (C12)	3.3	2.38027	72		(40-140)
2-methylnaphthalene (C12.89)	3.3	2.59981	79		(40-140)
n-Tetradecane (C14)	3.3	2.65476	80		(40-140)
n-Hexadecane (C16)	3.3	2.78376	84		(40-140)
n-Octadecane (C18)	3.3	2.76886	84		(40-140)
n-Eicosane (C20)	3.3	2.86929	87		(40-140)
n-Heneicosane (C21)	3.3	2.75553	84		(40-140)
n-Docosane (C22)	3.3	2.76313	84		(40-140)
n-Tetracosane (C24)	6.7	6.07786	91		(40-140)
n-Hexacosane (C26)	3.3	2.77357	84		(40-140)
n-Octacosane (C28)	3.3	3.05869	93		(40-140)
n-Tricontane (C30)	3.3	2.77114	84		(40-140)
n-Dotriacontane (C32)	3.3	2.80211	85		(40-140)
n-Tetratriacontane (C34)	3.3	2.80701	85		(40-140)
n-Hexatriacontane (C36)	3.3	2.67735	81		(40-140)
n-Octatriacontane (C38)	3.3	2.59774	79		(40-140)
n-Tetracontane (C40)	3.3	2.37533	72		(40-140)

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SOLID EPH_NF LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Earth Engineering Inc.

Lab Code: CHEM **Cas No:** Q2342 **SAS No :** Q2342 **SDG No:** Q2342

Sample No : PB168533BSD **Datafile:** FE054482.D **Client ID :** PB168533BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aliphatic C28-C40	30.0	24.5	82		2.1|	(40-140)	25
Aliphatic C9-C28	100.1	75.8	75		1.2|	(40-140)	25

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
n-Nonane (C9)	3.3	2.01837	61		4.8|	(40-140)	25
n-Decane (C10)	3.3	2.08484	63		4.65|	(40-140)	25
Naphthalene (C11.7)	3.3	2.53447	77		3.82|	(40-140)	25
n-Dodecane (C12)	3.3	2.28466	69		4.26|	(40-140)	25
2-methylnaphthalene (C12.89)	3.3	2.49014	75		5.19|	(40-140)	25
n-Tetradecane (C14)	3.3	2.54787	77		3.82|	(40-140)	25
n-Hexadecane (C16)	3.3	2.66762	81		3.64|	(40-140)	25
n-Octadecane (C18)	3.3	2.65696	81		3.64|	(40-140)	25
n-Eicosane (C20)	3.3	2.75092	83		4.71|	(40-140)	25
n-Heneicosane (C21)	3.3	2.63876	80		4.88|	(40-140)	25
n-Docosane (C22)	3.3	2.64538	80		4.88|	(40-140)	25
n-Tetracosane (C24)	6.7	5.81894	87		4.49|	(40-140)	25
n-Hexacosane (C26)	3.3	2.64677	80		4.88|	(40-140)	25
n-Octacosane (C28)	3.3	2.92446	89		4.4|	(40-140)	25
n-Tricontane (C30)	3.3	2.66001	81		3.64|	(40-140)	25
n-Dotriacontane (C32)	3.3	2.71793	82		3.59|	(40-140)	25
n-Tetratriacontane (C34)	3.3	2.70271	82		3.59|	(40-140)	25
n-Hexatriacontane (C36)	3.3	2.58581	78		3.77|	(40-140)	25
n-Octatriacontane (C38)	3.3	2.50224	76		3.87|	(40-140)	25
n-Tetracontane (C40)	3.3	2.30040	70		2.82|	(40-140)	25

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4B
METHOD BLANK SUMMARY

EPA SAMPLE NO.
PB168533BL

Lab Name: CHEMTECH Contract: EARTH03

Lab Code: CHEM Case No.: Q2342 SAS No.: Q2342 SDG NO.: Q2342

Instrument ID: FID_E Lab Sample ID: PB168533BL

Matrix: (soil/water) Solid Date Extracted: 6/18/2025 9:13:00 A

Level: (low/med) low

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

EPA SAMPLE NO.	LAB SAMPLE ID
PB168533BS	PB168533BS
PB168533BSD	PB168533BSD
S-1	Q2342-01
S-2	Q2342-02
S-3	Q2342-03
S-4	Q2342-04
S-5	Q2342-05
TP-10MS	Q2347-01MS
TP-10MSD	Q2347-01MSD

COMMENTS:

QC SAMPLE DATA

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Report of Analysis

Client:	Earth Engineering Inc.			Date Collected:	
Project:	1500 Oak			Date Received:	
Client Sample ID:	PB168533BL			SDG No.:	Q2342
Lab Sample ID:	PB168533BL			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	100
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH_NF
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
06/18/25 09:13	06/18/25 13:56	PB168533

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1	1.18	2.00	mg/kg	FE054480.D
Aliphatic C9-C28	Aliphatic C9-C28	0.91	U	1	0.91	3.99	mg/kg	FE054480.D
Total AliphaticEPH	Total AliphaticEPH	2.09	U		2.09	5.99	mg/kg	
Total EPH	Total EPH	2.09	U		2.09	5.99	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control 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:	Earth Engineering Inc.		Date Collected:		
Project:	1500 Oak		Date Received:		
Client Sample ID:	PB168533BL		SDG No.:	Q2342	
Lab Sample ID:	PB168533BL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.02	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054480.D	1	06/18/25	06/18/25	PB168533

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	0.91	U	0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	40.9		40 - 140	82%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	39.1		40 - 140	78%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB168533BL	Acq On:	18 Jun 2025 13:56
Client Sample ID:	PB168533BL	Operator:	YP\AJ
Data file:	FE054480.D	Misc:	
Instrument:	FID_E	ALS Vial:	10
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.072	6.717	0	0	300	ug/ml
Aliphatic C12-C16	6.718	10.164	0	0	200	ug/ml
Aliphatic C16-C21	10.165	13.536	0	0	300	ug/ml
Aliphatic C21-C28	13.537	17.204	0	0	400	ug/ml
Aliphatic C28-C40	17.205	22.063	0	0	600	ug/ml
Aliphatic EPH	3.072	22.063	0	0		ug/ml
ortho-Terphenyl (SURR)	11.828	11.828	6455118	39.07		ug/ml
1-chlorooctadecane (SURR)	13.273	13.273	4988449	40.91		ug/ml
Aliphatic C9-C28	3.072	17.204	0	0	1200	ug/ml

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Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:		
Project:	1500 Oak		Date Received:		
Client Sample ID:	PB168533BS		SDG No.:	Q2342	
Lab Sample ID:	PB168533BS		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.03	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
06/18/25 09:13	06/18/25 14:26	PB168533

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	25.0		1	1.18	2.00	mg/kg	FE054481.D
Aliphatic C9-C28	Aliphatic C9-C28	76.5		1	0.91	3.99	mg/kg	FE054481.D
Total AliphaticEPH	Total AliphaticEPH	102			2.09	5.99	mg/kg	
Total EPH	Total EPH	102			2.09	5.99	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control 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:	Earth Engineering Inc.	Date Collected:	
Project:	1500 Oak	Date Received:	
Client Sample ID:	PB168533BS	SDG No.:	Q2342
Lab Sample ID:	PB168533BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054481.D	1	06/18/25	06/18/25	PB168533

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		76.5		0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		25.0		1.18	2.00	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		43.4		40 - 140	87%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		40.7		40 - 140	81%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB168533BS	Acq On:	18 Jun 2025 14:26
Client Sample ID:	PB168533BS	Operator:	YP\AJ
Data file:	FE054481.D	Misc:	
Instrument:	FID_E	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.072	6.717	22849447	182.423	300	ug/ml
Aliphatic C12-C16	6.718	10.164	34838101	265.632	200	ug/ml
Aliphatic C16-C21	10.165	13.536	40725092	304.087	300	ug/ml
Aliphatic C21-C28	13.537	17.204	50339219	396.157	400	ug/ml
Aliphatic C28-C40	17.205	22.063	48215138	375.96	600	ug/ml
Aliphatic EPH	3.072	22.063	196966997	1520		ug/ml
ortho-Terphenyl (SURR)	11.827	11.827	6730578	40.73		ug/ml
1-chlorooctadecane (SURR)	13.271	13.271	5295781	43.43		ug/ml
Aliphatic C9-C28	3.072	17.204	148751859	1150	1200	ug/ml

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Report of Analysis

Client:	Earth Engineering Inc.			Date Collected:	
Project:	1500 Oak			Date Received:	
Client Sample ID:	PB168533BSD			SDG No.:	Q2342
Lab Sample ID:	PB168533BSD			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	100
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH_NF
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
06/18/25 09:13	06/18/25 14:56	PB168533

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	24.5		1	1.18	2.00	mg/kg	FE054482.D
Aliphatic C9-C28	Aliphatic C9-C28	75.8		1	0.91	4.00	mg/kg	FE054482.D
Total AliphaticEPH	Total AliphaticEPH	100			2.09	6.00	mg/kg	
Total EPH	Total EPH	100			2.09	6.00	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control 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:	Earth Engineering Inc.	Date Collected:	
Project:	1500 Oak	Date Received:	
Client Sample ID:	PB168533BSD	SDG No.:	Q2342
Lab Sample ID:	PB168533BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054482.D	1	06/18/25	06/18/25	PB168533

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	75.8		0.91	4.00	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	24.5		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	41.6		40 - 140	83%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	39.0		40 - 140	78%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB168533BSD	Acq On:	18 Jun 2025 14:56
Client Sample ID:	PB168533BSD	Operator:	YP\AJ
Data file:	FE054482.D	Misc:	
Instrument:	FID_E	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.072	6.717	21928824	175.073	300	ug/ml
Aliphatic C12-C16	6.718	10.164	33395334	254.631	200	ug/ml
Aliphatic C16-C21	10.165	13.536	43674658	326.111	300	ug/ml
Aliphatic C21-C28	13.537	17.204	48337171	380.402	400	ug/ml
Aliphatic C28-C40	17.205	22.063	47117311	367.4	600	ug/ml
Aliphatic EPH	3.072	22.063	194453298	1500		ug/ml
ortho-Terphenyl (SURR)	11.826	11.826	6448800	39.03		ug/ml
1-chlorooctadecane (SURR)	13.269	13.269	5071682	41.59		ug/ml
Aliphatic C9-C28	3.072	17.204	147335987	1140	1200	ug/ml

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Report of Analysis

Client:	Earth Engineering Inc.			Date Collected:	
Project:	1500 Oak			Date Received:	
Client Sample ID:	TP-10MS			SDG No.:	Q2342
Lab Sample ID:	Q2347-01MS			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	90
Sample Wt/Vol:	30.07	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH_NF
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
06/18/25 09:13	06/18/25 18:59	PB168533

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	34.5		1	1.31	2.22	mg/kg	FE054490.D
Aliphatic C9-C28	Aliphatic C9-C28	90.6	E	1	1.01	4.44	mg/kg	FE054490.D
Total AliphaticEPH	Total AliphaticEPH	125			2.32	6.66	mg/kg	
Total EPH	Total EPH	125			2.32	6.66	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control 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:	Earth Engineering Inc.	Date Collected:	
Project:	1500 Oak	Date Received:	
Client Sample ID:	TP-10MS	SDG No.:	Q2342
Lab Sample ID:	Q2347-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054490.D	1	06/18/25	06/18/25	PB168533

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		90.6	E	1.01	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		34.5		1.31	2.22	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		40.3		40 - 140	81%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		36.9		40 - 140	74%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2347-01MS	Acq On:	18 Jun 2025 18:59
Client Sample ID:	TP-10MS	Operator:	YP\AJ
Data file:	FE054490.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.072	6.717	24368490	194.551	300	ug/ml
Aliphatic C12-C16	6.718	10.164	35488906	270.594	200	ug/ml
Aliphatic C16-C21	10.165	13.536	42686897	318.735	300	ug/ml
Aliphatic C21-C28	13.537	17.204	55978153	440.534	400	ug/ml
Aliphatic C28-C40	17.205	22.063	59820382	466.453	600	ug/ml
Aliphatic EPH	3.072	22.063	218342828	1690		ug/ml
ortho-Terphenyl (SURR)	11.824	11.824	6101299	36.92		ug/ml
1-chlorooctadecane (SURR)	13.268	13.268	4917618	40.33		ug/ml
Aliphatic C9-C28	3.072	17.204	158522446	1220	1200	ug/ml

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Report of Analysis

Client:	Earth Engineering Inc.			Date Collected:	
Project:	1500 Oak			Date Received:	
Client Sample ID:	TP-10MSD			SDG No.:	Q2342
Lab Sample ID:	Q2347-01MSD			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	90
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH_NF
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
06/18/25 09:13	06/18/25 19:30	PB168533

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	34.9		1	1.31	2.22	mg/kg	FE054491.D
Aliphatic C9-C28	Aliphatic C9-C28	90.0	E	1	1.01	4.44	mg/kg	FE054491.D
Total AliphaticEPH	Total AliphaticEPH	125			2.32	6.66	mg/kg	
Total EPH	Total EPH	125			2.32	6.66	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control 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:	Earth Engineering Inc.		Date Collected:		
Project:	1500 Oak		Date Received:		
Client Sample ID:	TP-10MSD		SDG No.:	Q2342	
Lab Sample ID:	Q2347-01MSD		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	90	
Sample Wt/Vol:	30.01 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054491.D	1	06/18/25	06/18/25	PB168533

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		90.0	E	1.01	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		34.9		1.31	2.22	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		40.1		40 - 140	80%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		36.6		40 - 140	73%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2347-01MSD	Acq On:	18 Jun 2025 19:30
Client Sample ID:	TP-10MSD	Operator:	YP\AJ
Data file:	FE054491.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.072	6.717	24379794	194.641	300	ug/ml
Aliphatic C12-C16	6.718	10.164	35420577	270.073	200	ug/ml
Aliphatic C16-C21	10.165	13.536	42354191	316.251	300	ug/ml
Aliphatic C21-C28	13.537	17.204	55335784	435.479	400	ug/ml
Aliphatic C28-C40	17.205	22.063	60387442	470.874	600	ug/ml
Aliphatic EPH	3.072	22.063	217877788	1690		ug/ml
ortho-Terphenyl (SURR)	11.824	11.824	6047855	36.6		ug/ml
1-chlorooctadecane (SURR)	13.268	13.268	4884692	40.06		ug/ml
Aliphatic C9-C28	3.072	17.204	157490346	1220	1200	ug/ml

CALIBRATION SUMMARY

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Inital Calibration Report for SequenceID : FE061025AL

AreaCount

Parameter Range	FE054263.D	FE054264.D	FE054265.D	FE054266.D	FE054267.D	
Aliphatic C9-C12	35906746.000	17394030.000	7455022.000	3876366.000	2057463.000	
Aliphatic C12-C16	24583312.000	12033352.000	5176202.000	2731008.000	1465529.000	
Aliphatic C16-C21	36864900.000	18192733.000	7917595.000	4240633.000	2282212.000	
Aliphatic C21-C28	46210525.000	23050376.000	10006816.000	5347224.000	2915998.000	
Aliphatic C28-C40	70478798.000	35019910.000	15169748.000	8062800.000	4387036.000	
Aliphatic EPH	214044281.000	105690401.000	45725383.000	24258031.000	13108238.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	125255.2239998	6.63				
Aliphatic C12-C16	131151.686	8.125				
Aliphatic C16-C21	133925.9406662	9.684				
Aliphatic C21-C28	127068.7785	10.196				
Aliphatic C28-C40	128245.359333	9.656				
Aliphatic EPH	128755.229777	9.103				

Concentration

Parameter Range	FE054263.D	FE054264.D	FE054265.D	FE054266.D	FE054267.D	
Aliphatic C9-C12	300.000	150.000	60.000	30.000	15.000	
Aliphatic C12-C16	200.000	100.000	40.000	20.000	10.000	
Aliphatic C16-C21	300.000	150.000	60.000	30.000	15.000	
Aliphatic C21-C28	400.000	200.000	80.000	40.000	20.000	
Aliphatic C28-C40	600.000	300.000	120.000	60.000	30.000	
Aliphatic EPH	1800.000	900.000	360.000	180.000	90.000	

Response Factor

Parameter Range	FE054263.D	FE054264.D	FE054265.D	FE054266.D	FE054267.D	
Aliphatic C9-C12	119689.153333	115960.200000	124250.366666	129212.200000	137164.200000	
Aliphatic C12-C16	122916.560000	120333.520000	129405.050000	136550.400000	146552.900000	
Aliphatic C16-C21	122883.000000	121284.886666	131959.916666	141354.433333	152147.466666	

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Inital Calibration Report for SequenceID : FE061025AL

Aliphatic C21-C28	115526.312500	115251.880000	125085.200000	133680.600000	145799.900000	
Aliphatic C28-C40	117464.663333	116733.033333	126414.566666	134380.000000	146234.533333	
Aliphatic EPH	118913.489444	117433.778888	127014.952777	134766.838888	145647.088888	

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Continuing Calibration Report for SequenceID : FE061825AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE054479.D**						
Aliphatic C9-C12	7470037.000	60.000	3.072	6.717	124500.617	125255.224	0.602
Aliphatic C12-C16	5207118.000	40.000	6.718	10.164	130177.950	131151.686	0.742
Aliphatic C16-C21	7888683.000	60.000	10.165	13.536	131478.050	133925.941	1.828
Aliphatic C21-C28	10119891.000	80.000	13.537	17.204	126498.638	127068.779	0.449
Aliphatic C28-C40	15850613.000	120.000	17.205	22.063	132088.442	128245.359	-2.997
Aliphatic EPH	46536342.000	360.000	3.072	22.063	129267.617	128755.230	-0.398

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Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	18 Jun 2025 13:07
Client Sample ID:		Operator:	YP\AJ
Data file:	FE054479.D	Misc:	
Instrument:	FID_E	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.072	6.717	7470037.000	60.000	ug/ml
Aliphatic C12-C16	6.718	10.164	5207118.000	40.000	ug/ml
Aliphatic C16-C21	10.165	13.536	7888683.000	60.000	ug/ml
Aliphatic C21-C28	13.537	17.204	10119891.000	80.000	ug/ml
Aliphatic C28-C40	17.205	22.063	15850613.000	120.000	ug/ml
Aliphatic EPH	3.072	22.063	46536342.000	360.000	ug/ml

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Fax : 908 789 8922

Continuing Calibration Report for SequenceID : FE061825AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE054494.D**						
Aliphatic C9-C12	7330477.000	60.000	3.072	6.717	122174.617	125255.224	2.459
Aliphatic C12-C16	5115155.000	40.000	6.718	10.164	127878.875	131151.686	2.495
Aliphatic C16-C21	7880814.000	60.000	10.165	13.536	131346.900	133925.941	1.926
Aliphatic C21-C28	10214402.000	80.000	13.537	17.204	127680.025	127068.779	-0.481
Aliphatic C28-C40	16126543.000	120.000	17.205	22.063	134387.858	128245.359	-4.790
Aliphatic EPH	46667391.000	360.000	3.072	22.063	129631.642	128755.230	-0.681

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Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	18 Jun 2025 21:31
Client Sample ID:		Operator:	YP\AJ
Data file:	FE054494.D	Misc:	
Instrument:	FID_E	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.072	6.717	7330477.000	60.000	ug/ml
Aliphatic C12-C16	6.718	10.164	5115155.000	40.000	ug/ml
Aliphatic C16-C21	10.165	13.536	7880814.000	60.000	ug/ml
Aliphatic C21-C28	13.537	17.204	10214402.000	80.000	ug/ml
Aliphatic C28-C40	17.205	22.063	16126543.000	120.000	ug/ml
Aliphatic EPH	3.072	22.063	46667391.000	360.000	ug/ml

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061825AL\
Data File : FE054483.D
Signal(s) : FID1B.ch
Acq On : 18 Jun 2025 15:26
Operator : YP\AJ
Sample : Q2342-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
S-1

Integration File: autoint1.e
Quant Time: Jun 19 01:35:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.M
Quant Title : GC Extractables
QLast Update : Tue Jun 10 07:24:04 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.824	5683141	34.394 ug/ml
Spiked Amount 50.000		Recovery = 68.79%	
12) S 1-chlorooctadecane (S...	13.270	4603007	37.745 ug/ml
Spiked Amount 50.000		Recovery = 75.49%	
Target Compounds			

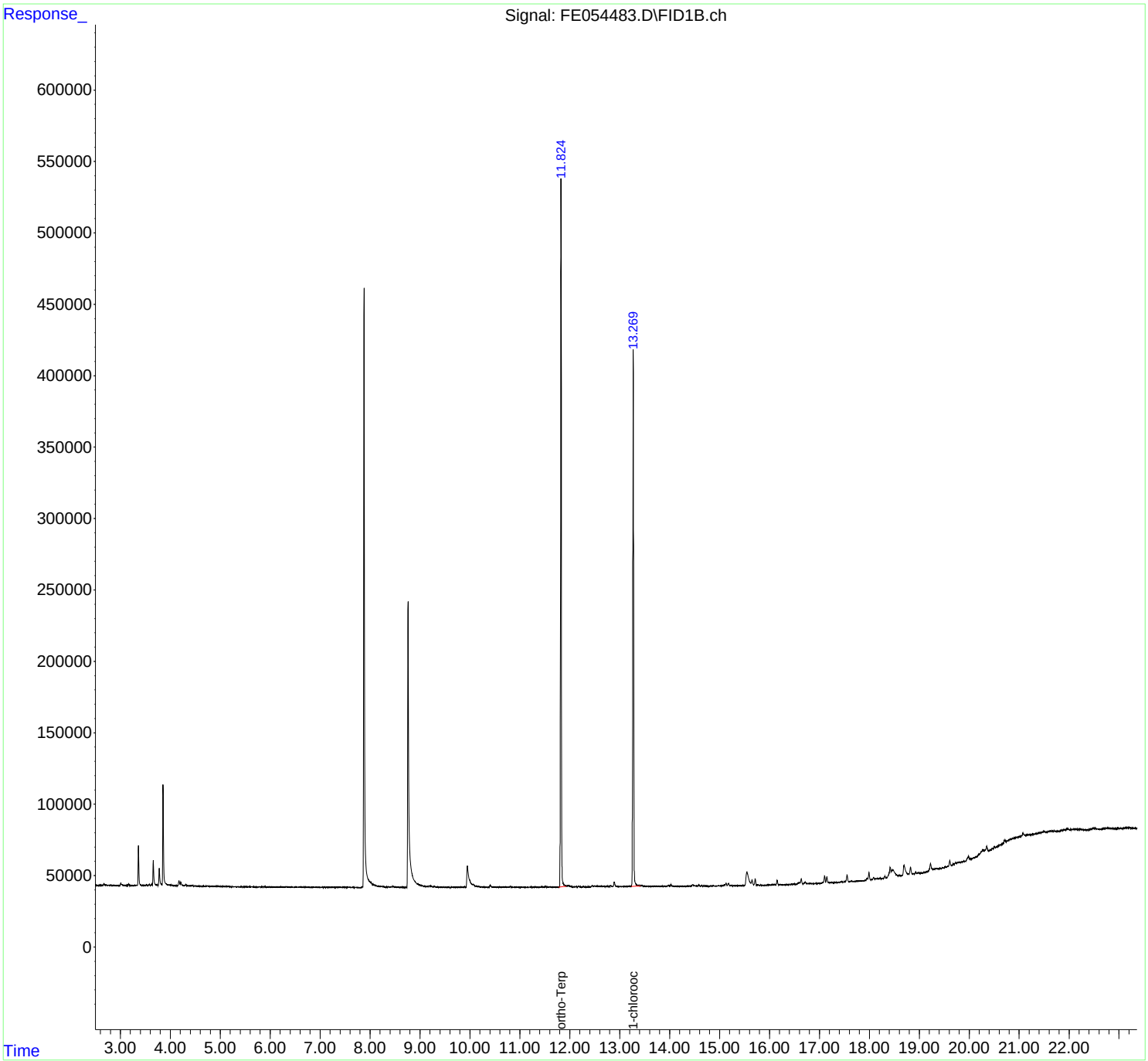
(f)=RT Delta > 1/2 Window (m)=manual int.

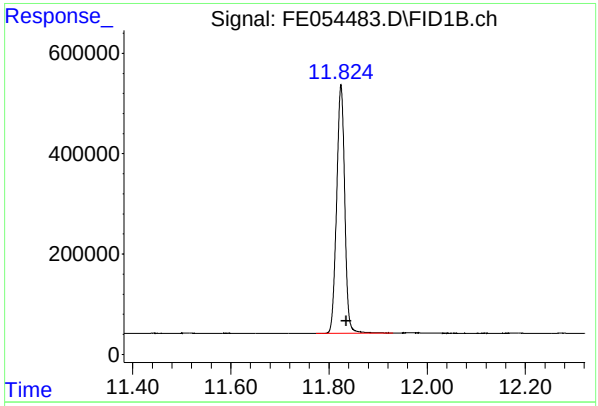
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061825AL\
Data File : FE054483.D
Signal(s) : FID1B.ch
Acq On : 18 Jun 2025 15:26
Operator : YP\AJ
Sample : Q2342-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
S-1

Integration File: autoint1.e
Quant Time: Jun 19 01:35:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.M
Quant Title : GC Extractables
QLast Update : Tue Jun 10 07:24:04 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

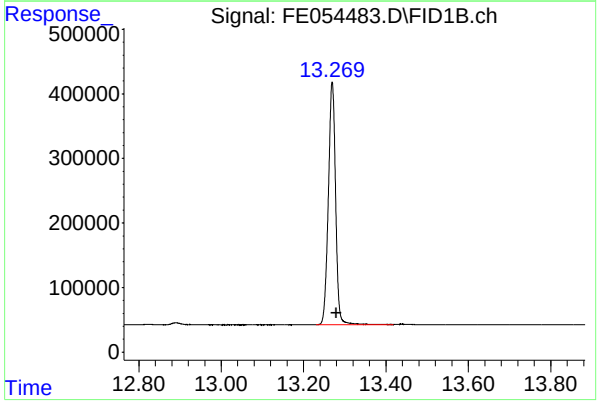




#9 ortho-Terphenyl (SURR)

R.T.: 11.824 min
Delta R.T.: -0.011 min
Response: 5683141
Conc: 34.39 ug/ml

Instrument :
FID_E
ClientSampleId :
S-1



#12 1-chlorooctadecane (SURR)

R.T.: 13.270 min
Delta R.T.: -0.010 min
Response: 4603007
Conc: 37.75 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061825AL\
Data File : FE054483.D
Signal(s) : FID1B.ch
Acq On : 18 Jun 2025 15:26
Sample : Q2342-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.877	2.821	2.944	BV	141	2861	0.05%	0.012%
2	3.006	2.944	3.104	PV	1683	41718	0.73%	0.173%
3	3.123	3.104	3.144	VV	250	4823	0.08%	0.020%
4	3.164	3.144	3.227	VV	1032	18481	0.32%	0.077%
5	3.237	3.227	3.278	VV	163	4261	0.07%	0.018%
6	3.296	3.278	3.329	VV	418	8956	0.16%	0.037%
7	3.361	3.329	3.442	VV	28163	313724	5.48%	1.302%
8	3.466	3.442	3.504	VV	510	14413	0.25%	0.060%
9	3.523	3.504	3.546	VV	657	10612	0.19%	0.044%
10	3.579	3.546	3.603	VV	1115	20692	0.36%	0.086%
11	3.624	3.603	3.637	VV	1439	18076	0.32%	0.075%
12	3.658	3.637	3.753	VV	17859	247473	4.33%	1.027%
13	3.778	3.753	3.831	VV	12532	179825	3.14%	0.746%
14	3.854	3.831	3.993	VV	70464	833754	14.58%	3.461%
15	4.009	3.993	4.146	VV	872	52510	0.92%	0.218%
16	4.173	4.146	4.195	VV	3866	61790	1.08%	0.256%
17	4.210	4.195	4.286	VV	2903	65935	1.15%	0.274%
18	4.308	4.286	4.414	VV	1518	48006	0.84%	0.199%
19	4.441	4.414	4.519	VV	702	26840	0.47%	0.111%
20	4.532	4.519	4.544	VV	313	4619	0.08%	0.019%
21	4.560	4.544	4.585	VV	342	7652	0.13%	0.032%
22	4.617	4.585	4.711	VV	433	22431	0.39%	0.093%
23	4.728	4.711	4.832	VV	374	20688	0.36%	0.086%
24	4.840	4.832	4.921	VV	285	12925	0.23%	0.054%
25	4.933	4.921	4.972	VV	293	6959	0.12%	0.029%
26	4.994	4.972	5.007	VV	260	4350	0.08%	0.018%
27	5.022	5.007	5.092	VV	265	10364	0.18%	0.043%
28	5.118	5.092	5.189	VV	354	13744	0.24%	0.057%
29	5.197	5.189	5.241	VV	248	5306	0.09%	0.022%
30	5.297	5.241	5.389	VV	222	15324	0.27%	0.064%
31	5.404	5.389	5.418	VV	187	3334	0.06%	0.014%
32	5.431	5.418	5.534	VV	259	13265	0.23%	0.055%
33	5.548	5.534	5.563	VV	236	3177	0.06%	0.013%
34	5.588	5.563	5.605	VV	358	5914	0.10%	0.025%
35	5.614	5.605	5.644	VV	240	4501	0.08%	0.019%
36	5.668	5.644	5.686	VV	253	4888	0.09%	0.020%

rteres

37	5.698	5.686	5.731	VV	212	4634	0.08%	0.019%
38	5.774	5.731	5.817	PV	297	9209	0.16%	0.038%
39	5.831	5.817	5.872	VV	216	7246	0.13%	0.030%
40	5.884	5.872	5.918	VV	244	5782	0.10%	0.024%
41	5.976	5.918	6.038	VV	253	12839	0.22%	0.053%
42	6.047	6.038	6.088	VV	209	4510	0.08%	0.019%
43	6.096	6.088	6.108	VV	188	1807	0.03%	0.008%
44	6.117	6.108	6.134	VV	175	1987	0.03%	0.008%
45	6.201	6.134	6.229	VV	324	12069	0.21%	0.050%
46	6.243	6.229	6.304	VV	228	7916	0.14%	0.033%
47	6.333	6.304	6.374	VV	355	8327	0.15%	0.035%
48	6.387	6.374	6.396	VV	213	2127	0.04%	0.009%
49	6.412	6.396	6.481	VV	199	7747	0.14%	0.032%
50	6.510	6.481	6.534	VV	306	6028	0.11%	0.025%
51	6.540	6.534	6.568	VV	197	3185	0.06%	0.013%
52	6.603	6.568	6.638	VV	272	7640	0.13%	0.032%
53	6.646	6.638	6.707	VV	177	5871	0.10%	0.024%
54	6.718	6.707	6.768	VV	194	4677	0.08%	0.019%
55	6.775	6.768	6.806	VV	140	2421	0.04%	0.010%
56	6.821	6.806	6.864	VV	128	3924	0.07%	0.016%
57	6.872	6.864	6.890	VV	150	1827	0.03%	0.008%
58	6.904	6.890	7.014	VV	211	7990	0.14%	0.033%
59	7.026	7.014	7.071	VV	100	2027	0.04%	0.008%
60	7.085	7.071	7.098	PV	85	1066	0.02%	0.004%
61	7.121	7.098	7.129	VV	156	1798	0.03%	0.007%
62	7.137	7.129	7.164	VV	133	1866	0.03%	0.008%
63	7.187	7.164	7.221	VV	144	3615	0.06%	0.015%
64	7.241	7.221	7.285	VV	125	3791	0.07%	0.016%
65	7.322	7.285	7.331	VV	195	3398	0.06%	0.014%
66	7.338	7.331	7.382	VV	186	3873	0.07%	0.016%
67	7.395	7.382	7.432	VV	143	3374	0.06%	0.014%
68	7.438	7.432	7.446	VV	89	860	0.02%	0.004%
69	7.509	7.446	7.526	VV	166	5913	0.10%	0.025%
70	7.569	7.526	7.638	VV	274	10259	0.18%	0.043%
71	7.672	7.638	7.701	VV	121	3296	0.06%	0.014%
72	7.717	7.701	7.810	VV	99	2940	0.05%	0.012%
73	8.357	8.311	8.399	VV	537	25199	0.44%	0.105%
74	8.453	8.399	8.584	VV	858	44657	0.78%	0.185%
75	8.593	8.584	8.678	VV	256	7739	0.14%	0.032%
76	8.696	8.678	8.728	VV	170	2807	0.05%	0.012%
77	9.188	9.159	9.258	VV	1240	49089	0.86%	0.204%
78	9.283	9.258	9.430	VV	785	38080	0.67%	0.158%
79	9.465	9.430	9.568	VV	263	12693	0.22%	0.053%
80	9.671	9.634	9.741	VV	239	10579	0.18%	0.044%
81	9.754	9.741	9.786	VV	163	3710	0.06%	0.015%
82	9.823	9.786	9.867	VV	228	7134	0.12%	0.030%
83	9.893	9.867	9.921	PV	730	9341	0.16%	0.039%
84	9.951	9.921	10.304	VV	14649	590657	10.33%	2.452%
85	10.322	10.304	10.364	VV	281	7457	0.13%	0.031%
86	10.410	10.364	10.569	VV	1610	55628	0.97%	0.231%
87	10.594	10.569	10.636	VV	257	6309	0.11%	0.026%
88	10.685	10.636	10.714	VV	360	10249	0.18%	0.043%
89	10.727	10.714	10.754	VV	326	6539	0.11%	0.027%

rteres

90	10.807	10.754	10.861	VV	698	19161	0.33%	0.080%
91	10.875	10.861	10.894	VV	183	3291	0.06%	0.014%
92	10.925	10.894	10.978	VV	249	7960	0.14%	0.033%
93	11.025	10.978	11.068	PV	219	6116	0.11%	0.025%
94	11.080	11.068	11.114	VV	89	1812	0.03%	0.008%
95	11.140	11.114	11.163	VV	182	3972	0.07%	0.016%
96	11.199	11.163	11.239	VV	212	7226	0.13%	0.030%
97	11.262	11.239	11.359	VV	201	9065	0.16%	0.038%
98	11.443	11.359	11.474	PV	573	12274	0.21%	0.051%
99	11.512	11.474	11.571	VV	874	19286	0.34%	0.080%
100	11.594	11.571	11.629	VV	499	9614	0.17%	0.040%
101	11.667	11.629	11.688	PV	237	4132	0.07%	0.017%
102	11.703	11.688	11.784	VV	203	5024	0.09%	0.021%
103	11.824	11.784	11.933	PV	496843	5720372	100.00%	23.746%
104	11.966	11.933	12.098	VV	1169	63966	1.12%	0.266%
105	12.118	12.098	12.142	VV	350	8047	0.14%	0.033%
106	12.182	12.142	12.248	VV	805	19712	0.34%	0.082%
107	12.274	12.248	12.303	VV	453	8524	0.15%	0.035%
108	12.329	12.303	12.354	VV	165	3785	0.07%	0.016%
109	12.378	12.354	12.411	VV	318	6472	0.11%	0.027%
110	12.455	12.411	12.479	VV	896	22970	0.40%	0.095%
111	12.499	12.479	12.515	VV	926	14934	0.26%	0.062%
112	12.530	12.515	12.614	VV	736	32783	0.57%	0.136%
113	12.637	12.614	12.709	VV	615	23371	0.41%	0.097%
114	12.746	12.709	12.791	VV	586	19502	0.34%	0.081%
115	12.823	12.791	12.861	VV	1014	21416	0.37%	0.089%
116	12.890	12.861	13.011	VV	3415	73030	1.28%	0.303%
117	13.028	13.011	13.048	VV	247	3596	0.06%	0.015%
118	13.075	13.048	13.120	VV	309	7926	0.14%	0.033%
119	13.145	13.120	13.168	VV	342	6188	0.11%	0.026%
120	13.269	13.168	13.418	VV	375424	4655292	81.38%	19.324%
121	13.438	13.418	13.529	VV	1067	37127	0.65%	0.154%
122	13.565	13.529	13.618	VV	377	14126	0.25%	0.059%
123	13.632	13.618	13.648	VV	229	3831	0.07%	0.016%
124	13.668	13.648	13.692	VV	261	6590	0.12%	0.027%
125	13.711	13.692	13.778	VV	243	9919	0.17%	0.041%
126	13.875	13.778	13.911	VV	282	15937	0.28%	0.066%
127	13.976	13.911	13.998	VV	814	18763	0.33%	0.078%
128	14.023	13.998	14.202	VV	1402	33674	0.59%	0.140%
129	14.255	14.202	14.328	PV	156	6599	0.12%	0.027%
130	14.387	14.328	14.416	VV	301	8009	0.14%	0.033%
131	14.461	14.416	14.561	VV	1355	40190	0.70%	0.167%
132	14.587	14.561	14.618	VV	1126	17814	0.31%	0.074%
133	14.641	14.618	14.671	VV	532	9973	0.17%	0.041%
134	14.687	14.671	14.770	VV	253	9724	0.17%	0.040%
135	14.807	14.770	14.834	PV	158	3273	0.06%	0.014%
136	14.877	14.834	14.939	VV	404	9157	0.16%	0.038%
137	14.971	14.939	15.001	VV	126	3512	0.06%	0.015%
138	15.023	15.001	15.045	VV	171	3860	0.07%	0.016%
139	15.128	15.045	15.152	VV	2052	47781	0.84%	0.198%
140	15.176	15.152	15.304	VV	1833	38220	0.67%	0.159%
141	15.547	15.304	15.625	PV	9435	361040	6.31%	1.499%

rteres

142	15.648	15.625	15.684	VV	3962	74807	1.31%	0.311%
143	15.713	15.684	15.811	VV	4684	79308	1.39%	0.329%
144	15.846	15.811	15.924	VV	184	5492	0.10%	0.023%
145	16.151	15.924	16.198	PV	3465	72969	1.28%	0.303%
146	16.217	16.198	16.255	VV	481	7078	0.12%	0.029%
147	16.279	16.255	16.302	PV	152	2517	0.04%	0.010%
148	16.351	16.302	16.414	VV	154	5871	0.10%	0.024%
149	16.439	16.414	16.474	PV	533	10866	0.19%	0.045%
150	16.497	16.474	16.528	VV	349	8002	0.14%	0.033%
151	16.634	16.528	16.671	VV	3820	99109	1.73%	0.411%
152	16.713	16.671	16.774	VV	1309	37388	0.65%	0.155%
153	16.795	16.774	16.816	VV	433	7676	0.13%	0.032%
154	16.830	16.816	16.898	VV	344	7236	0.13%	0.030%
155	16.939	16.898	16.954	PV	160	3966	0.07%	0.016%
156	16.985	16.954	17.008	VV	227	4289	0.07%	0.018%
157	17.102	17.008	17.125	VV	5190	89885	1.57%	0.373%
158	17.147	17.125	17.228	VV	4438	77145	1.35%	0.320%
159	17.252	17.228	17.278	VV	183	3296	0.06%	0.014%
160	17.333	17.278	17.361	PV	127	3681	0.06%	0.015%
161	17.436	17.361	17.472	PV	466	8932	0.16%	0.037%
162	17.553	17.472	17.599	VV	4928	83214	1.45%	0.345%
163	17.642	17.599	17.671	PV	570	9743	0.17%	0.040%
164	17.685	17.671	17.700	VV	87	1348	0.02%	0.006%
165	17.757	17.700	17.798	PV	143	4156	0.07%	0.017%
166	17.991	17.798	18.024	PV	5355	97206	1.70%	0.404%
167	18.084	18.024	18.109	VV	1618	28020	0.49%	0.116%
168	18.130	18.109	18.151	VV	670	11646	0.20%	0.048%
169	18.166	18.151	18.190	VV	420	7828	0.14%	0.032%
170	18.215	18.190	18.240	VV	540	8330	0.15%	0.035%
171	18.308	18.240	18.340	PV	1397	25074	0.44%	0.104%
172	18.415	18.340	18.434	VV	7169	167498	2.93%	0.695%
173	18.472	18.434	18.584	VV	4873	249994	4.37%	1.038%
174	18.626	18.584	18.654	VV	400	13622	0.24%	0.057%
175	18.695	18.654	18.784	VV	7274	217760	3.81%	0.904%
176	18.824	18.784	18.868	VV	5144	95034	1.66%	0.394%
177	18.884	18.868	18.904	VV	497	6917	0.12%	0.029%
178	18.929	18.904	18.954	VV	1115	17653	0.31%	0.073%
179	18.979	18.954	19.024	VV	409	9592	0.17%	0.040%
180	19.224	19.024	19.282	PV	5100	114558	2.00%	0.476%
181	19.345	19.282	19.364	VV	650	31069	0.54%	0.129%
182	19.420	19.364	19.448	VV	370	13999	0.24%	0.058%
183	19.522	19.448	19.538	PV	372	9022	0.16%	0.037%
184	19.610	19.538	19.648	VV	3948	70028	1.22%	0.291%
185	19.681	19.648	19.696	VV	1121	20140	0.35%	0.084%
186	19.733	19.696	19.747	VV	1413	33918	0.59%	0.141%
187	19.791	19.747	19.824	VV	1108	48027	0.84%	0.199%
188	19.984	19.824	20.031	VV	3380	169628	2.97%	0.704%
189	20.350	20.031	20.388	VV	7045	706989	12.36%	2.935%
190	20.710	20.388	20.738	VV	7853	1116948	19.53%	4.637%
191	21.077	20.738	21.143	VV	9403	1907734	33.35%	7.919%
192	21.491	21.143	21.538	VV	7116	1653680	28.91%	6.865%
193	21.628	21.538	21.664	VV	6127	461689	8.07%	1.917%
194	21.680	21.664	21.762	VV	5582	304212	5.32%	1.263%

rteres

195	21.962	21.762	22.013	VV	4568	647845	11.33%	2.689%
196	22.116	22.013	22.198	VV	2840	305446	5.34%	1.268%
197	22.216	22.198	22.354	VV	1717	91205	1.59%	0.379%

Sum of corrected areas: 24090120

Aliphatic EPH 061025.M Thu Jun 19 02:27:13 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061825AL\
Data File : FE054484.D
Signal(s) : FID1B.ch
Acq On : 18 Jun 2025 15:57
Operator : YP\AJ
Sample : Q2342-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
S-2

Integration File: autoint1.e
Quant Time: Jun 19 01:35:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.M
Quant Title : GC Extractables
QLast Update : Tue Jun 10 07:24:04 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.826	7942859	48.070 ug/ml
Spiked Amount 50.000		Recovery =	96.14%
12) S 1-chlorooctadecane (S...	13.271	6825320	55.969 ug/ml
Spiked Amount 50.000		Recovery =	111.94%
Target Compounds			

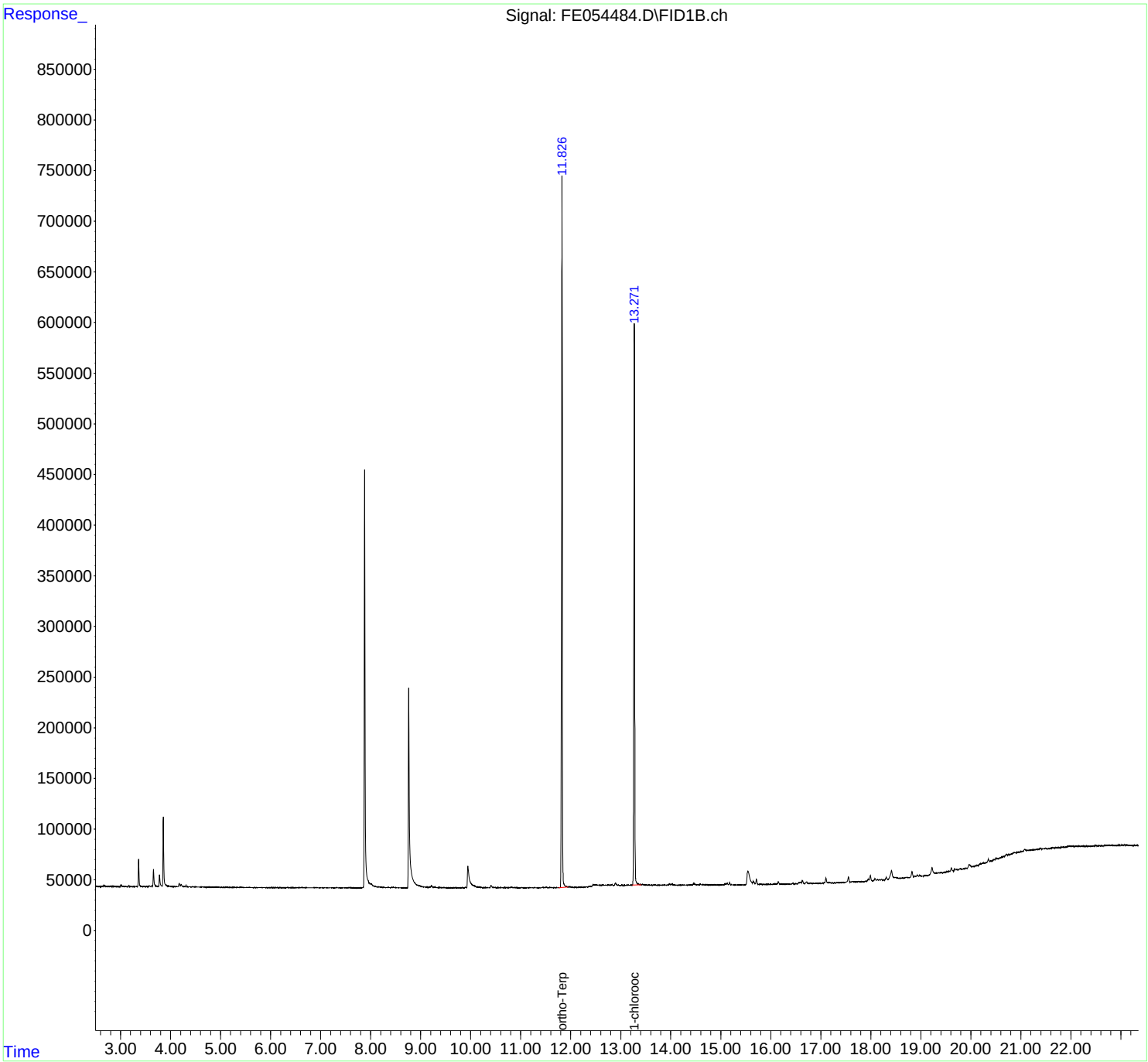
(f)=RT Delta > 1/2 Window (m)=manual int.

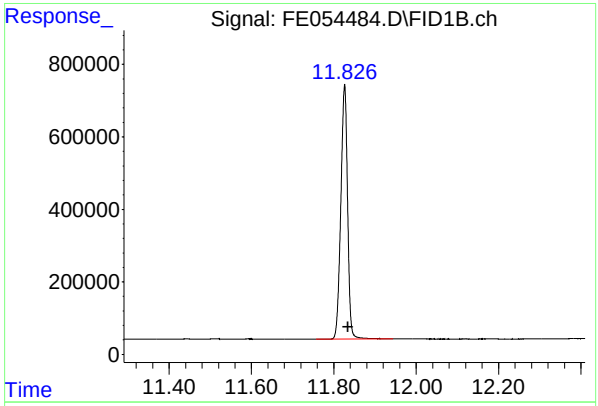
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061825AL\
Data File : FE054484.D
Signal(s) : FID1B.ch
Acq On : 18 Jun 2025 15:57
Operator : YP\AJ
Sample : Q2342-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
S-2

Integration File: autoint1.e
Quant Time: Jun 19 01:35:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.M
Quant Title : GC Extractables
QLast Update : Tue Jun 10 07:24:04 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

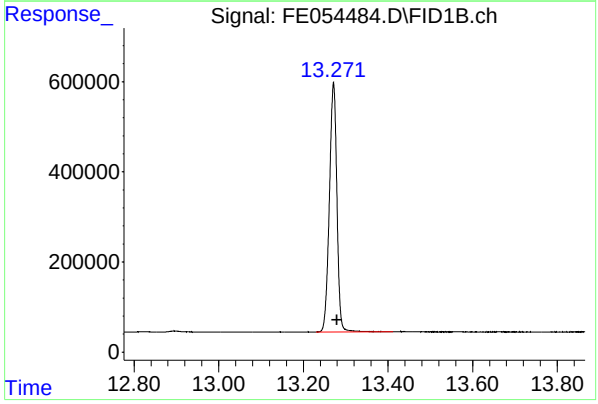




#9 ortho-Terphenyl (SURR)

R.T.: 11.826 min
Delta R.T.: -0.009 min
Response: 7942859
Conc: 48.07 ug/ml

Instrument :
FID_E
ClientSampleId :
S-2



#12 1-chlorooctadecane (SURR)

R.T.: 13.271 min
Delta R.T.: -0.008 min
Response: 6825320
Conc: 55.97 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061825AL\
Data File : FE054484.D
Signal(s) : FID1B.ch
Acq On : 18 Jun 2025 15:57
Sample : Q2342-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.862	2.821	2.964	BV	71	3814	0.05%	0.013%
2	3.005	2.964	3.094	PV	1775	41262	0.52%	0.143%
3	3.103	3.094	3.112	VV	225	2215	0.03%	0.008%
4	3.128	3.112	3.143	VV	216	3630	0.05%	0.013%
5	3.164	3.143	3.203	VV	945	15108	0.19%	0.052%
6	3.210	3.203	3.228	VV	188	2396	0.03%	0.008%
7	3.247	3.228	3.277	VV	194	4004	0.05%	0.014%
8	3.295	3.277	3.331	VV	321	8633	0.11%	0.030%
9	3.361	3.331	3.446	VV	27141	300532	3.76%	1.039%
10	3.464	3.446	3.508	VV	483	12839	0.16%	0.044%
11	3.522	3.508	3.545	VV	668	9362	0.12%	0.032%
12	3.579	3.545	3.603	VV	1142	20068	0.25%	0.069%
13	3.624	3.603	3.637	VV	1331	16803	0.21%	0.058%
14	3.658	3.637	3.755	VV	17442	237098	2.97%	0.819%
15	3.778	3.755	3.831	VV	12111	171807	2.15%	0.594%
16	3.854	3.831	4.119	VV	68488	855432	10.71%	2.957%
17	4.173	4.119	4.195	VV	3762	65667	0.82%	0.227%
18	4.210	4.195	4.291	VV	2815	64717	0.81%	0.224%
19	4.307	4.291	4.364	VV	1459	30040	0.38%	0.104%
20	4.381	4.364	4.395	VV	456	7396	0.09%	0.026%
21	4.439	4.395	4.467	VV	651	19200	0.24%	0.066%
22	4.481	4.467	4.558	VV	365	14949	0.19%	0.052%
23	4.566	4.558	4.601	VV	308	6161	0.08%	0.021%
24	4.616	4.601	4.640	VV	345	6774	0.08%	0.023%
25	4.654	4.640	4.708	VV	302	9190	0.12%	0.032%
26	4.747	4.708	4.825	PV	321	16137	0.20%	0.056%
27	4.859	4.825	4.884	VV	275	7788	0.10%	0.027%
28	4.897	4.884	4.935	VV	269	6140	0.08%	0.021%
29	4.944	4.935	4.955	VV	200	2114	0.03%	0.007%
30	4.966	4.955	4.997	VV	176	3718	0.05%	0.013%
31	5.030	4.997	5.075	VV	203	6377	0.08%	0.022%
32	5.123	5.075	5.142	VV	270	6486	0.08%	0.022%
33	5.153	5.142	5.165	VV	170	1919	0.02%	0.007%
34	5.180	5.165	5.241	VV	174	3995	0.05%	0.014%
35	5.254	5.241	5.289	VV	95	1773	0.02%	0.006%
36	5.307	5.289	5.351	VV	107	2670	0.03%	0.009%

rteres

37	5.364	5.351	5.373	VV	121	837	0.01%	0.003%
38	5.382	5.373	5.391	VV	118	795	0.01%	0.003%
39	5.422	5.391	5.551	VV	186	7580	0.09%	0.026%
40	5.562	5.551	5.571	PV	161	1013	0.01%	0.004%
41	5.587	5.571	5.605	VV	240	2732	0.03%	0.009%
42	5.620	5.605	5.669	VV	149	1992	0.02%	0.007%
43	5.693	5.669	5.766	PV	128	4440	0.06%	0.015%
44	5.777	5.766	5.848	VV	154	3816	0.05%	0.013%
45	5.881	5.848	5.934	VV	144	5346	0.07%	0.018%
46	5.941	5.934	6.145	VV	117	5750	0.07%	0.020%
47	6.193	6.145	6.205	PV	163	4079	0.05%	0.014%
48	6.214	6.205	6.238	VV	169	2853	0.04%	0.010%
49	6.245	6.238	6.306	VV	179	4674	0.06%	0.016%
50	6.328	6.306	6.428	VV	235	8493	0.11%	0.029%
51	6.437	6.428	6.478	VV	72	2041	0.03%	0.007%
52	6.509	6.478	6.532	VV	194	3183	0.04%	0.011%
53	6.560	6.532	6.593	PV	88	2325	0.03%	0.008%
54	6.617	6.593	6.671	VV	225	4916	0.06%	0.017%
55	6.723	6.671	6.809	VV	157	6312	0.08%	0.022%
56	6.825	6.809	6.833	VV	101	1224	0.02%	0.004%
57	6.848	6.833	6.887	VV	121	3173	0.04%	0.011%
58	6.903	6.887	6.983	VV	195	5566	0.07%	0.019%
59	6.994	6.983	7.005	VV	58	734	0.01%	0.003%
60	7.016	7.005	7.029	VV	74	819	0.01%	0.003%
61	7.038	7.029	7.051	VV	77	680	0.01%	0.002%
62	7.064	7.051	7.088	VV	55	1340	0.02%	0.005%
63	7.098	7.088	7.127	VV	100	1542	0.02%	0.005%
64	7.171	7.127	7.228	VV	174	5141	0.06%	0.018%
65	7.257	7.228	7.288	VV	128	3265	0.04%	0.011%
66	7.325	7.288	7.368	VV	225	7819	0.10%	0.027%
67	7.372	7.368	7.441	VV	181	5697	0.07%	0.020%
68	7.590	7.441	7.626	VV	341	19386	0.24%	0.067%
69	7.640	7.626	7.718	VV	187	5531	0.07%	0.019%
70	7.737	7.718	7.763	VV	108	2113	0.03%	0.007%
71	7.802	7.763	7.814	VV	88	1936	0.02%	0.007%
72	8.353	8.324	8.397	VV	521	21213	0.27%	0.073%
73	8.454	8.397	8.542	VV	907	40097	0.50%	0.139%
74	8.569	8.542	8.648	VV	214	12660	0.16%	0.044%
75	8.680	8.648	8.731	VV	182	6821	0.09%	0.024%
76	9.219	9.156	9.264	VV	2542	71451	0.89%	0.247%
77	9.284	9.264	9.448	VV	888	43454	0.54%	0.150%
78	9.461	9.448	9.567	VV	317	11237	0.14%	0.039%
79	9.611	9.567	9.644	VV	244	5734	0.07%	0.020%
80	9.673	9.644	9.801	VV	278	14598	0.18%	0.050%
81	9.830	9.801	9.865	VV	235	5561	0.07%	0.019%
82	9.893	9.865	9.914	VV	903	11184	0.14%	0.039%
83	9.948	9.914	10.309	VV	20708	738805	9.25%	2.553%
84	10.328	10.309	10.371	VV	277	7227	0.09%	0.025%
85	10.409	10.371	10.528	VV	2486	66496	0.83%	0.230%
86	10.545	10.528	10.573	VV	271	6290	0.08%	0.022%
87	10.590	10.573	10.647	VV	264	7499	0.09%	0.026%
88	10.687	10.647	10.713	VV	350	9642	0.12%	0.033%
89	10.733	10.713	10.758	VV	346	6861	0.09%	0.024%

rteres

90	10.807	10.758	10.851	VV	719	19844	0.25%	0.069%
91	10.930	10.851	10.981	VV	324	14282	0.18%	0.049%
92	11.025	10.981	11.093	VV	284	7460	0.09%	0.026%
93	11.143	11.093	11.168	PV	221	4314	0.05%	0.015%
94	11.194	11.168	11.241	VV	182	5815	0.07%	0.020%
95	11.279	11.241	11.355	VV	205	7592	0.10%	0.026%
96	11.442	11.355	11.472	PV	643	12225	0.15%	0.042%
97	11.512	11.472	11.568	VV	1020	17917	0.22%	0.062%
98	11.593	11.568	11.648	VV	542	9892	0.12%	0.034%
99	11.668	11.648	11.686	PV	240	2860	0.04%	0.010%
100	11.704	11.686	11.763	PV	260	3765	0.05%	0.013%
101	11.826	11.763	11.948	PV	691281	7986648	100.00%	27.603%
102	11.967	11.948	12.098	VV	1029	41697	0.52%	0.144%
103	12.119	12.098	12.139	VV	225	4166	0.05%	0.014%
104	12.182	12.139	12.229	VV	660	12201	0.15%	0.042%
105	12.277	12.229	12.308	PV	582	13723	0.17%	0.047%
106	12.454	12.308	12.479	VV	2626	122325	1.53%	0.423%
107	12.500	12.479	12.613	VV	2532	173956	2.18%	0.601%
108	12.637	12.613	12.681	VV	2233	81383	1.02%	0.281%
109	12.696	12.681	12.714	VV	1813	35629	0.45%	0.123%
110	12.744	12.714	12.794	VV	2193	91996	1.15%	0.318%
111	12.823	12.794	12.864	VV	2518	82910	1.04%	0.287%
112	12.896	12.864	13.011	VV	3957	182030	2.28%	0.629%
113	13.027	13.011	13.051	VV	1533	36937	0.46%	0.128%
114	13.077	13.051	13.131	VV	1604	71674	0.90%	0.248%
115	13.146	13.131	13.173	VV	1605	38046	0.48%	0.131%
116	13.271	13.173	13.411	VV	554325	7050605	88.28%	24.368%
117	13.437	13.411	13.541	VV	2285	130469	1.63%	0.451%
118	13.566	13.541	13.633	VV	1541	75839	0.95%	0.262%
119	13.663	13.633	13.764	VV	1435	97294	1.22%	0.336%
120	13.791	13.764	13.811	VV	1151	31270	0.39%	0.108%
121	13.872	13.811	13.924	VV	1240	77096	0.97%	0.266%
122	13.978	13.924	14.001	VV	2437	66736	0.84%	0.231%
123	14.023	14.001	14.124	VV	2284	91240	1.14%	0.315%
124	14.135	14.124	14.211	VV	900	41848	0.52%	0.145%
125	14.249	14.211	14.321	VV	900	51418	0.64%	0.178%
126	14.386	14.321	14.424	VV	939	48432	0.61%	0.167%
127	14.461	14.424	14.564	VV	2416	97115	1.22%	0.336%
128	14.588	14.564	14.611	VV	1438	28079	0.35%	0.097%
129	14.643	14.611	14.664	VV	1060	27698	0.35%	0.096%
130	14.688	14.664	14.771	VV	882	44324	0.55%	0.153%
131	14.795	14.771	14.818	VV	527	12930	0.16%	0.045%
132	14.874	14.818	14.934	VV	712	35763	0.45%	0.124%
133	14.968	14.934	14.984	VV	469	12204	0.15%	0.042%
134	15.025	14.984	15.054	VV	556	19472	0.24%	0.067%
135	15.094	15.054	15.110	VV	1577	32011	0.40%	0.111%
136	15.128	15.110	15.151	VV	1783	28202	0.35%	0.097%
137	15.176	15.151	15.297	VV	2182	51150	0.64%	0.177%
138	15.323	15.297	15.341	VV	213	4589	0.06%	0.016%
139	15.357	15.341	15.401	VV	184	4626	0.06%	0.016%
140	15.543	15.401	15.628	VV	13644	514024	6.44%	1.777%
141	15.651	15.628	15.686	VV	3340	81256	1.02%	0.281%

rteres

142	15.713	15.686	15.804	VV	5238	96341	1.21%	0.333%
143	15.824	15.804	15.893	VV	248	8169	0.10%	0.028%
144	15.918	15.893	15.941	VV	98	2113	0.03%	0.007%
145	15.972	15.941	16.008	VV	141	3935	0.05%	0.014%
146	16.073	16.008	16.094	VV	484	15141	0.19%	0.052%
147	16.150	16.094	16.198	VV	2730	50413	0.63%	0.174%
148	16.216	16.198	16.254	VV	480	8013	0.10%	0.028%
149	16.284	16.254	16.306	VV	205	2656	0.03%	0.009%
150	16.439	16.306	16.474	PV	677	13553	0.17%	0.047%
151	16.494	16.474	16.528	VV	418	7189	0.09%	0.025%
152	16.634	16.528	16.674	VV	3310	110515	1.38%	0.382%
153	16.713	16.674	16.766	VV	1729	40647	0.51%	0.140%
154	16.792	16.766	16.890	VV	465	15535	0.19%	0.054%
155	16.982	16.890	17.002	PV	147	5494	0.07%	0.019%
156	17.102	17.002	17.131	VV	5189	88258	1.11%	0.305%
157	17.147	17.131	17.168	VV	1125	15938	0.20%	0.055%
158	17.181	17.168	17.228	VV	734	12253	0.15%	0.042%
159	17.352	17.228	17.373	VV	160	7982	0.10%	0.028%
160	17.437	17.373	17.474	PV	307	7598	0.10%	0.026%
161	17.553	17.474	17.598	VV	5286	100825	1.26%	0.348%
162	17.641	17.598	17.690	VV	839	18108	0.23%	0.063%
163	17.756	17.690	17.777	VV	258	5682	0.07%	0.020%
164	17.837	17.777	17.855	VV	144	3791	0.05%	0.013%
165	17.991	17.855	18.028	PV	5684	123321	1.54%	0.426%
166	18.083	18.028	18.110	VV	2146	38173	0.48%	0.132%
167	18.131	18.110	18.188	VV	1026	26438	0.33%	0.091%
168	18.214	18.188	18.244	VV	951	15166	0.19%	0.052%
169	18.308	18.244	18.344	PV	2515	42085	0.53%	0.145%
170	18.413	18.344	18.574	VV	8798	326622	4.09%	1.129%
171	18.626	18.574	18.661	VV	318	12513	0.16%	0.043%
172	18.713	18.661	18.764	PV	583	19099	0.24%	0.066%
173	18.823	18.764	18.864	PV	5758	105890	1.33%	0.366%
174	18.883	18.864	18.901	VV	997	16015	0.20%	0.055%
175	18.928	18.901	18.954	VV	1588	31213	0.39%	0.108%
176	18.976	18.954	19.044	VV	925	24414	0.31%	0.084%
177	19.224	19.044	19.284	PV	7005	190458	2.38%	0.658%
178	19.306	19.284	19.326	VV	1033	24571	0.31%	0.085%
179	19.375	19.326	19.398	VV	584	25589	0.32%	0.088%
180	19.419	19.398	19.437	VV	358	5812	0.07%	0.020%
181	19.520	19.437	19.541	PV	550	13543	0.17%	0.047%
182	19.611	19.541	19.644	VV	3555	59208	0.74%	0.205%
183	19.679	19.644	19.704	VV	1802	30842	0.39%	0.107%
184	19.724	19.704	19.743	VV	838	15121	0.19%	0.052%
185	19.789	19.743	19.818	VV	850	26109	0.33%	0.090%
186	19.966	19.818	20.028	VV	3252	130727	1.64%	0.452%
187	20.352	20.028	20.381	VV	5149	409281	5.12%	1.415%
188	20.508	20.381	20.531	VV	4705	328827	4.12%	1.136%
189	20.709	20.531	20.741	VV	6943	635864	7.96%	2.198%
190	21.079	20.741	21.123	VV	8484	1560196	19.54%	5.392%
191	21.383	21.123	21.441	VV	6270	1214863	15.21%	4.199%
192	21.491	21.441	21.537	VV	5812	312580	3.91%	1.080%
193	21.966	21.537	22.004	VV	3727	1142272	14.30%	3.948%
194	22.034	22.004	22.064	VV	2857	100797	1.26%	0.348%

					rteres			
195	22.143	22.064	22.212	VV	2009	174768	2.19%	0.604%
196	22.306	22.212	22.348	VV	676	60250	0.75%	0.208%
				Sum of corrected areas:		28933945		

Aliphatic EPH 061025.M Thu Jun 19 02:27:37 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061825AL\
Data File : FE054485.D
Signal(s) : FID1B.ch
Acq On : 18 Jun 2025 16:27
Operator : YP\AJ
Sample : Q2342-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
S-3

Integration File: autoint1.e
Quant Time: Jun 19 01:35:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.M
Quant Title : GC Extractables
QLast Update : Tue Jun 10 07:24:04 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.824	6189787	37.460 ug/ml
Spiked Amount 50.000		Recovery =	74.92%
12) S 1-chlorooctadecane (S...	13.269	5208559	42.711 ug/ml
Spiked Amount 50.000		Recovery =	85.42%
Target Compounds			

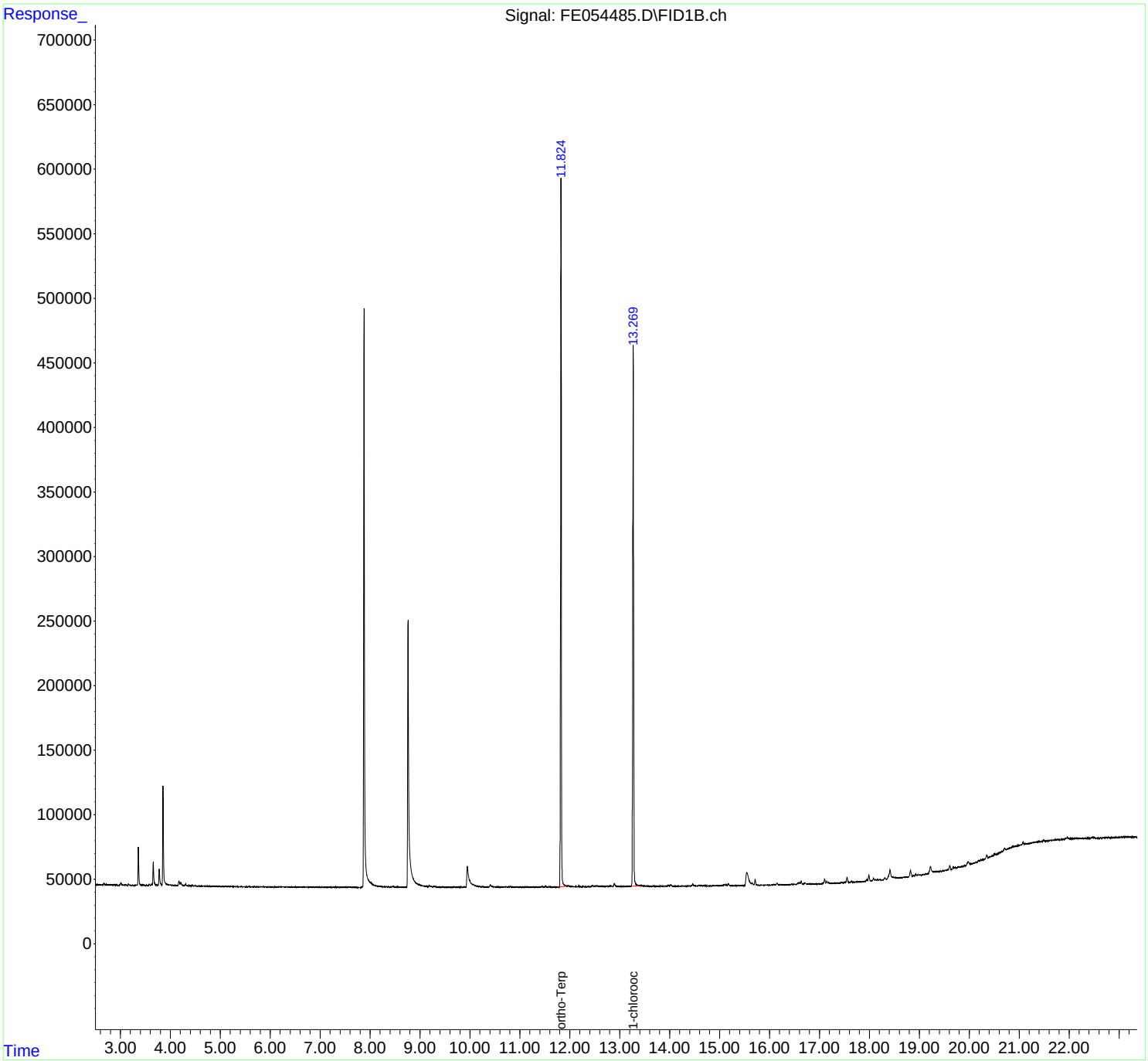
(f)=RT Delta > 1/2 Window (m)=manual int.

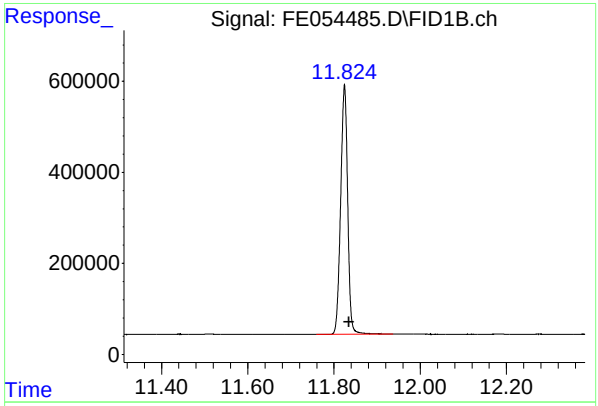
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061825AL\
Data File : FE054485.D
Signal(s) : FID1B.ch
Acq On : 18 Jun 2025 16:27
Operator : YP\AJ
Sample : Q2342-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
S-3

Integration File: autoint1.e
Quant Time: Jun 19 01:35:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.M
Quant Title : GC Extractables
QLast Update : Tue Jun 10 07:24:04 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

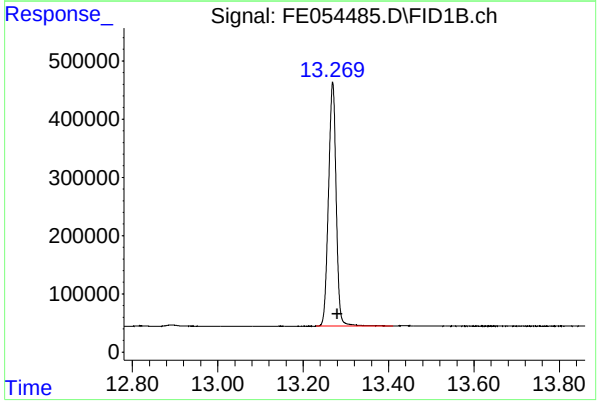




#9 ortho-Terphenyl (SURR)

R.T.: 11.824 min
Delta R.T.: -0.011 min
Response: 6189787
Conc: 37.46 ug/ml

Instrument :
FID_E
ClientSampleId :
S-3



#12 1-chlorooctadecane (SURR)

R.T.: 13.269 min
Delta R.T.: -0.010 min
Response: 5208559
Conc: 42.71 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061825AL\
Data File : FE054485.D
Signal(s) : FID1B.ch
Acq On : 18 Jun 2025 16:27
Sample : Q2342-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.868	2.821	2.912	BV	172	4399	0.07%	0.019%
2	2.920	2.912	2.974	PV	142	2190	0.04%	0.010%
3	3.005	2.974	3.111	VV	1622	37839	0.61%	0.165%
4	3.116	3.111	3.141	VV	137	2706	0.04%	0.012%
5	3.163	3.141	3.219	VV	893	16027	0.26%	0.070%
6	3.230	3.219	3.274	VV	114	2648	0.04%	0.012%
7	3.299	3.274	3.315	PV	299	4726	0.08%	0.021%
8	3.360	3.315	3.450	VV	29376	327991	5.26%	1.429%
9	3.468	3.450	3.505	VV	498	10628	0.17%	0.046%
10	3.522	3.505	3.543	VV	688	8172	0.13%	0.036%
11	3.579	3.543	3.601	VV	1098	17635	0.28%	0.077%
12	3.623	3.601	3.637	VV	1405	16969	0.27%	0.074%
13	3.658	3.637	3.754	VV	18282	246561	3.95%	1.074%
14	3.777	3.754	3.830	VV	13004	182297	2.92%	0.794%
15	3.853	3.830	3.989	VV	76337	891033	14.29%	3.881%
16	4.008	3.989	4.144	VV	889	48862	0.78%	0.213%
17	4.173	4.144	4.194	VV	3938	63164	1.01%	0.275%
18	4.210	4.194	4.282	VV	2958	62889	1.01%	0.274%
19	4.306	4.282	4.365	VV	1435	33333	0.53%	0.145%
20	4.375	4.365	4.416	VV	423	10800	0.17%	0.047%
21	4.440	4.416	4.502	VV	579	18690	0.30%	0.081%
22	4.508	4.502	4.541	VV	275	5221	0.08%	0.023%
23	4.550	4.541	4.597	VV	285	7753	0.12%	0.034%
24	4.615	4.597	4.648	VV	324	7344	0.12%	0.032%
25	4.659	4.648	4.698	VV	240	6030	0.10%	0.026%
26	4.721	4.698	4.768	VV	236	8796	0.14%	0.038%
27	4.778	4.768	4.830	VV	241	7033	0.11%	0.031%
28	4.847	4.830	4.862	VV	196	3158	0.05%	0.014%
29	4.876	4.862	4.974	VV	275	11037	0.18%	0.048%
30	4.979	4.974	5.008	VV	178	2891	0.05%	0.013%
31	5.019	5.008	5.089	VV	167	6689	0.11%	0.029%
32	5.115	5.089	5.169	VV	284	9047	0.15%	0.039%
33	5.191	5.169	5.245	VV	192	6283	0.10%	0.027%
34	5.263	5.245	5.308	VV	164	3821	0.06%	0.017%
35	5.325	5.308	5.348	PV	182	2827	0.05%	0.012%
36	5.355	5.348	5.362	VV	145	968	0.02%	0.004%

rteres

37	5.420	5.362	5.468	VV	261	9094	0.15%	0.040%
38	5.479	5.468	5.559	VV	172	6028	0.10%	0.026%
39	5.599	5.559	5.621	VV	239	5747	0.09%	0.025%
40	5.626	5.621	5.670	VV	124	2922	0.05%	0.013%
41	5.684	5.670	5.758	VV	184	5413	0.09%	0.024%
42	5.764	5.758	5.772	VV	113	914	0.01%	0.004%
43	5.794	5.772	5.821	VV	142	2965	0.05%	0.013%
44	5.833	5.821	5.982	VV	185	9982	0.16%	0.043%
45	5.990	5.982	6.022	VV	101	1509	0.02%	0.007%
46	6.032	6.022	6.052	VV	135	1290	0.02%	0.006%
47	6.090	6.052	6.143	PV	126	3159	0.05%	0.014%
48	6.188	6.143	6.242	VV	239	8648	0.14%	0.038%
49	6.254	6.242	6.291	VV	164	3473	0.06%	0.015%
50	6.294	6.291	6.303	VV	154	843	0.01%	0.004%
51	6.329	6.303	6.377	VV	242	6356	0.10%	0.028%
52	6.390	6.377	6.401	VV	128	1350	0.02%	0.006%
53	6.420	6.401	6.484	VV	161	5765	0.09%	0.025%
54	6.509	6.484	6.531	VV	224	3969	0.06%	0.017%
55	6.548	6.531	6.590	VV	171	3906	0.06%	0.017%
56	6.623	6.590	6.706	VV	206	7535	0.12%	0.033%
57	6.718	6.706	6.754	VV	114	1857	0.03%	0.008%
58	6.764	6.754	6.828	VV	97	2541	0.04%	0.011%
59	6.845	6.828	6.858	VV	111	1407	0.02%	0.006%
60	6.869	6.858	6.891	VV	94	1500	0.02%	0.007%
61	6.921	6.891	6.961	VV	170	3215	0.05%	0.014%
62	6.968	6.961	6.992	VV	78	1130	0.02%	0.005%
63	7.007	6.992	7.021	VV	89	1146	0.02%	0.005%
64	7.032	7.021	7.057	PV	75	1317	0.02%	0.006%
65	7.069	7.057	7.084	VV	90	789	0.01%	0.003%
66	7.190	7.084	7.266	VV	156	7253	0.12%	0.032%
67	7.337	7.266	7.405	VV	203	9236	0.15%	0.040%
68	7.467	7.405	7.494	VV	168	5024	0.08%	0.022%
69	7.499	7.494	7.548	VV	176	4327	0.07%	0.019%
70	7.568	7.548	7.814	VV	244	12117	0.19%	0.053%
71	8.335	8.317	8.398	VV	544	22832	0.37%	0.099%
72	8.452	8.398	8.571	VV	838	40456	0.65%	0.176%
73	8.593	8.571	8.659	VV	264	7852	0.13%	0.034%
74	8.690	8.659	8.734	VV	163	4004	0.06%	0.017%
75	9.187	9.154	9.254	VV	1413	51192	0.82%	0.223%
76	9.283	9.254	9.456	VV	822	39803	0.64%	0.173%
77	9.468	9.456	9.495	VV	202	3268	0.05%	0.014%
78	9.693	9.495	9.762	VV	241	19045	0.31%	0.083%
79	9.824	9.762	9.871	VV	353	8267	0.13%	0.036%
80	9.892	9.871	9.914	VV	656	7721	0.12%	0.034%
81	9.951	9.914	10.311	VV	15622	629670	10.10%	2.742%
82	10.325	10.311	10.371	VV	300	7539	0.12%	0.033%
83	10.409	10.371	10.524	VV	1907	54434	0.87%	0.237%
84	10.543	10.524	10.651	VV	273	14363	0.23%	0.063%
85	10.684	10.651	10.711	VV	392	8903	0.14%	0.039%
86	10.731	10.711	10.755	VV	314	6847	0.11%	0.030%
87	10.806	10.755	10.853	VV	665	19228	0.31%	0.084%
88	10.875	10.853	10.898	VV	262	5924	0.10%	0.026%
89	10.925	10.898	10.993	VV	314	10671	0.17%	0.046%

rteres

90	11.022	10.993	11.098	VV	275	7876	0.13%	0.034%
91	11.142	11.098	11.167	VV	195	5512	0.09%	0.024%
92	11.187	11.167	11.221	VV	172	4572	0.07%	0.020%
93	11.230	11.221	11.359	VV	190	9117	0.15%	0.040%
94	11.442	11.359	11.475	PV	631	14419	0.23%	0.063%
95	11.511	11.475	11.564	VV	932	19203	0.31%	0.084%
96	11.593	11.564	11.644	VV	439	10239	0.16%	0.045%
97	11.665	11.644	11.688	PV	195	3333	0.05%	0.015%
98	11.705	11.688	11.731	VV	186	3175	0.05%	0.014%
99	11.753	11.731	11.781	VV	145	2077	0.03%	0.009%
100	11.824	11.781	11.937	PV	549409	6234516	100.00%	27.154%
101	11.966	11.937	12.097	VV	1054	57094	0.92%	0.249%
102	12.117	12.097	12.140	VV	483	8432	0.14%	0.037%
103	12.182	12.140	12.245	VV	836	22789	0.37%	0.099%
104	12.275	12.245	12.321	VV	488	11678	0.19%	0.051%
105	12.331	12.321	12.350	VV	222	2661	0.04%	0.012%
106	12.379	12.350	12.418	VV	365	8366	0.13%	0.036%
107	12.455	12.418	12.479	VV	853	21470	0.34%	0.094%
108	12.499	12.479	12.618	VV	869	48883	0.78%	0.213%
109	12.636	12.618	12.721	VV	684	25462	0.41%	0.111%
110	12.746	12.721	12.784	VV	539	16427	0.26%	0.072%
111	12.822	12.784	12.864	VV	1027	24225	0.39%	0.106%
112	12.892	12.864	13.011	VV	2404	59972	0.96%	0.261%
113	13.027	13.011	13.051	VV	238	4784	0.08%	0.021%
114	13.073	13.051	13.095	VV	223	4658	0.07%	0.020%
115	13.145	13.095	13.163	VV	322	8310	0.13%	0.036%
116	13.269	13.163	13.410	VV	416917	5262125	84.40%	22.919%
117	13.436	13.410	13.549	VV	1038	44272	0.71%	0.193%
118	13.566	13.549	13.618	VV	432	11263	0.18%	0.049%
119	13.665	13.618	13.768	VV	294	19564	0.31%	0.085%
120	13.877	13.768	13.923	VV	369	20545	0.33%	0.089%
121	13.976	13.923	14.000	VV	1065	21626	0.35%	0.094%
122	14.023	14.000	14.104	VV	1185	27205	0.44%	0.118%
123	14.124	14.104	14.164	VV	155	3654	0.06%	0.016%
124	14.180	14.164	14.215	VV	159	2454	0.04%	0.011%
125	14.289	14.215	14.334	VV	168	6099	0.10%	0.027%
126	14.385	14.334	14.410	PV	326	7230	0.12%	0.031%
127	14.461	14.410	14.564	VV	1380	40993	0.66%	0.179%
128	14.587	14.564	14.611	VV	753	10989	0.18%	0.048%
129	14.641	14.611	14.671	VV	483	11087	0.18%	0.048%
130	14.688	14.671	14.814	VV	371	14615	0.23%	0.064%
131	14.876	14.814	14.944	VV	396	11041	0.18%	0.048%
132	14.965	14.944	14.991	VV	180	2471	0.04%	0.011%
133	15.023	14.991	15.058	VV	273	5822	0.09%	0.025%
134	15.093	15.058	15.111	VV	977	19436	0.31%	0.085%
135	15.127	15.111	15.150	VV	968	15379	0.25%	0.067%
136	15.176	15.150	15.256	VV	1829	32248	0.52%	0.140%
137	15.270	15.256	15.308	VV	83	1939	0.03%	0.008%
138	15.323	15.308	15.341	PV	151	2137	0.03%	0.009%
139	15.358	15.341	15.398	VV	99	2213	0.04%	0.010%
140	15.421	15.398	15.441	VV	72	1387	0.02%	0.006%
141	15.545	15.441	15.630	PV	10116	399122	6.40%	1.738%

rteres

142	15.647	15.630	15.684	VV	2093	45921	0.74%	0.200%
143	15.712	15.684	15.897	VV	4906	90344	1.45%	0.393%
144	15.969	15.897	16.011	VV	153	5764	0.09%	0.025%
145	16.151	16.011	16.198	PV	1620	46329	0.74%	0.202%
146	16.216	16.198	16.254	VV	419	7301	0.12%	0.032%
147	16.284	16.254	16.311	VV	149	3440	0.06%	0.015%
148	16.349	16.311	16.404	VV	198	4566	0.07%	0.020%
149	16.438	16.404	16.471	PV	609	10809	0.17%	0.047%
150	16.496	16.471	16.531	VV	410	7398	0.12%	0.032%
151	16.633	16.531	16.678	VV	2117	79148	1.27%	0.345%
152	16.710	16.678	16.757	VV	1104	24117	0.39%	0.105%
153	16.795	16.757	16.814	VV	316	6209	0.10%	0.027%
154	17.103	16.814	17.127	VV	3583	60016	0.96%	0.261%
155	17.147	17.127	17.234	VV	1833	36684	0.59%	0.160%
156	17.437	17.234	17.474	PV	279	7630	0.12%	0.033%
157	17.552	17.474	17.607	PV	4024	75075	1.20%	0.327%
158	17.640	17.607	17.711	VV	633	14700	0.24%	0.064%
159	17.754	17.711	17.784	PV	317	4435	0.07%	0.019%
160	17.990	17.784	18.034	PV	4768	91186	1.46%	0.397%
161	18.083	18.034	18.108	VV	1716	29227	0.47%	0.127%
162	18.129	18.108	18.151	VV	728	12706	0.20%	0.055%
163	18.166	18.151	18.186	VV	539	7706	0.12%	0.034%
164	18.214	18.186	18.241	VV	646	9728	0.16%	0.042%
165	18.308	18.241	18.344	PV	1657	28129	0.45%	0.123%
166	18.413	18.344	18.494	VV	6994	218676	3.51%	0.952%
167	18.511	18.494	18.588	VV	905	30098	0.48%	0.131%
168	18.630	18.588	18.650	VV	257	6980	0.11%	0.030%
169	18.714	18.650	18.754	VV	298	12113	0.19%	0.053%
170	18.823	18.754	18.861	PV	5040	90709	1.45%	0.395%
171	18.882	18.861	18.899	VV	776	11693	0.19%	0.051%
172	18.928	18.899	18.953	VV	1398	24828	0.40%	0.108%
173	18.976	18.953	19.038	VV	582	16310	0.26%	0.071%
174	19.223	19.038	19.280	PV	5441	147088	2.36%	0.641%
175	19.345	19.280	19.364	VV	757	33971	0.54%	0.148%
176	19.419	19.364	19.438	VV	419	14035	0.23%	0.061%
177	19.475	19.438	19.491	PV	313	5790	0.09%	0.025%
178	19.521	19.491	19.544	VV	480	6935	0.11%	0.030%
179	19.610	19.544	19.648	PV	3230	57373	0.92%	0.250%
180	19.680	19.648	19.701	PV	1226	21314	0.34%	0.093%
181	19.723	19.701	19.751	VV	683	16770	0.27%	0.073%
182	19.792	19.751	19.818	VV	569	17528	0.28%	0.076%
183	19.983	19.818	20.028	VV	2794	106742	1.71%	0.465%
184	20.351	20.028	20.384	VV	4874	364607	5.85%	1.588%
185	20.508	20.384	20.530	VV	4246	278911	4.47%	1.215%
186	20.708	20.530	20.734	VV	6806	575644	9.23%	2.507%
187	21.079	20.734	21.141	VV	7854	1560834	25.04%	6.798%
188	21.389	21.141	21.408	VV	5847	970312	15.56%	4.226%
189	21.492	21.408	21.540	VV	5949	434900	6.98%	1.894%
190	21.786	21.540	21.800	VV	3903	695005	11.15%	3.027%
191	21.964	21.800	22.047	VV	3840	484959	7.78%	2.112%
192	22.136	22.047	22.188	VV	1757	150523	2.41%	0.656%
193	22.220	22.188	22.327	VV	1059	56197	0.90%	0.245%

Sum of corrected areas: 22959782

rteres

Aliphatic EPH 061025.M Thu Jun 19 02:28:08 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061825AL\
Data File : FE054486.D
Signal(s) : FID1B.ch
Acq On : 18 Jun 2025 16:58
Operator : YP\AJ
Sample : Q2342-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
S-4

Integration File: autoint1.e
Quant Time: Jun 19 01:35:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.M
Quant Title : GC Extractables
QLast Update : Tue Jun 10 07:24:04 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.826	8495353	51.414 ug/ml
Spiked Amount 50.000		Recovery = 102.83%	
12) S 1-chlorooctadecane (S...	13.271	7139187	58.543 ug/ml
Spiked Amount 50.000		Recovery = 117.09%	
Target Compounds			

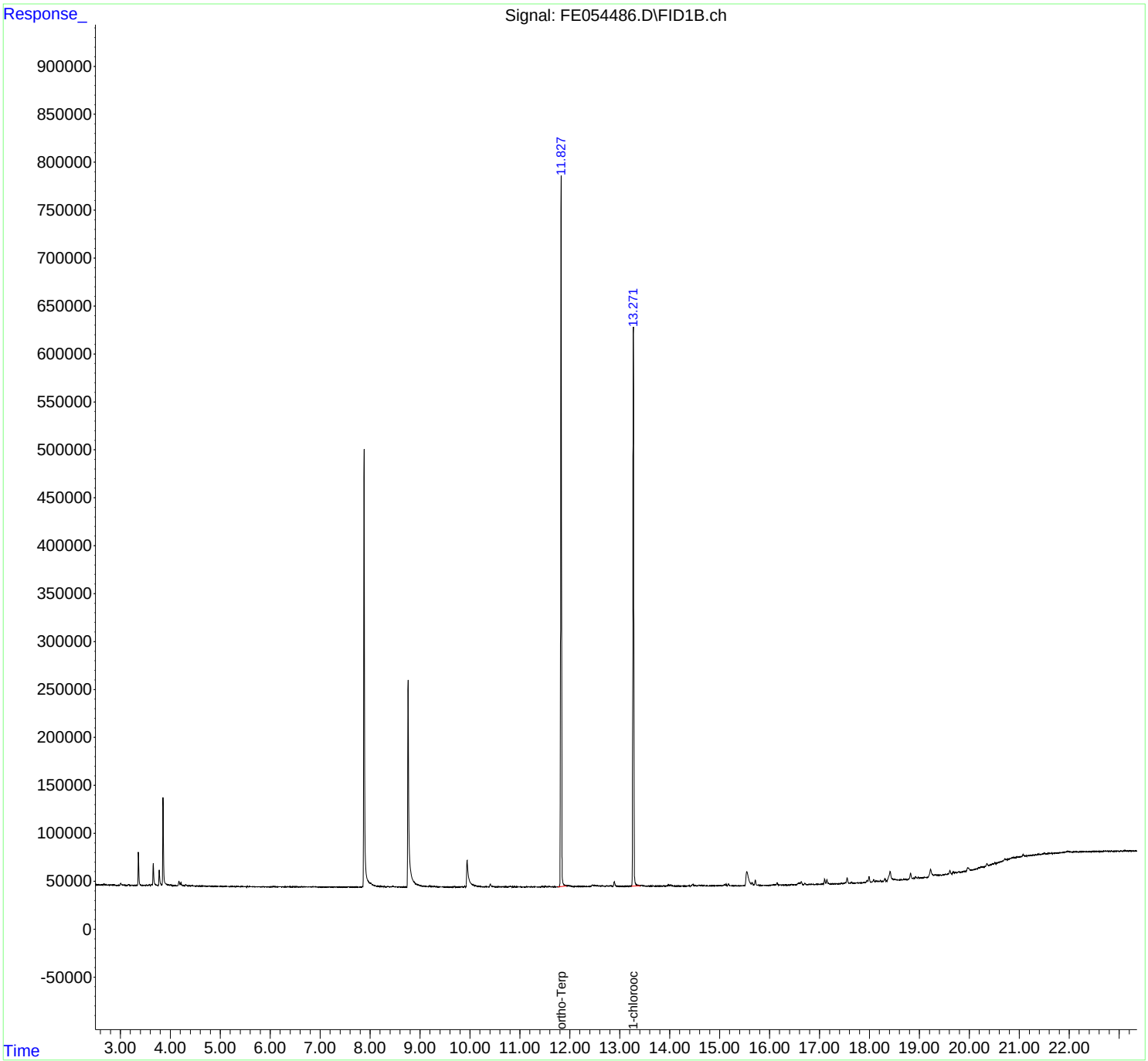
(f)=RT Delta > 1/2 Window (m)=manual int.

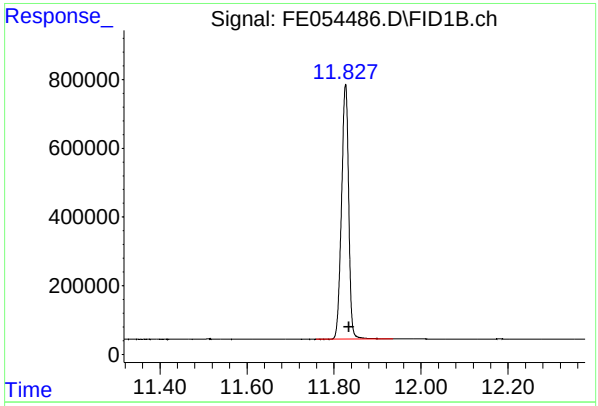
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061825AL\
Data File : FE054486.D
Signal(s) : FID1B.ch
Acq On : 18 Jun 2025 16:58
Operator : YP\AJ
Sample : Q2342-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
S-4

Integration File: autoint1.e
Quant Time: Jun 19 01:35:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.M
Quant Title : GC Extractables
QLast Update : Tue Jun 10 07:24:04 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

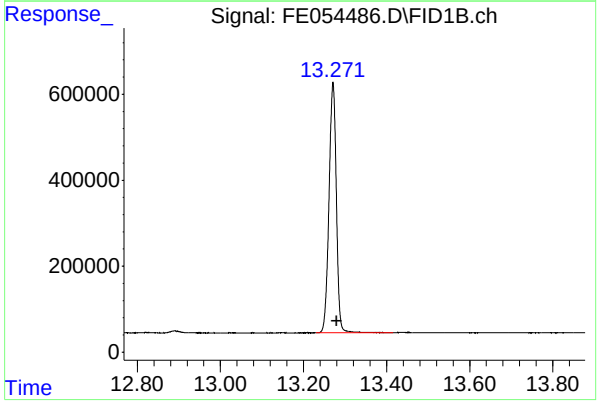




#9 ortho-Terphenyl (SURR)

R.T.: 11.826 min
Delta R.T.: -0.009 min
Response: 8495353
Conc: 51.41 ug/ml

Instrument :
FID_E
ClientSampleId :
S-4



#12 1-chlorooctadecane (SURR)

R.T.: 13.271 min
Delta R.T.: -0.009 min
Response: 7139187
Conc: 58.54 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061825AL\
Data File : FE054486.D
Signal(s) : FID1B.ch
Acq On : 18 Jun 2025 16:58
Sample : Q2342-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.824	2.805	2.839	BV	102	682	0.01%	0.002%
2	2.875	2.839	2.927	PV	191	5622	0.07%	0.019%
3	2.945	2.927	2.975	PV	94	1619	0.02%	0.006%
4	3.005	2.975	3.148	VV	2053	50808	0.59%	0.174%
5	3.165	3.148	3.230	VV	1064	17682	0.21%	0.061%
6	3.240	3.230	3.277	VV	144	1680	0.02%	0.006%
7	3.298	3.277	3.308	PV	281	3285	0.04%	0.011%
8	3.314	3.308	3.327	VV	282	2806	0.03%	0.010%
9	3.361	3.327	3.452	VV	34336	372473	4.36%	1.276%
10	3.467	3.452	3.504	VV	491	10654	0.12%	0.036%
11	3.524	3.504	3.548	VV	641	9350	0.11%	0.032%
12	3.580	3.548	3.602	VV	1252	19158	0.22%	0.066%
13	3.624	3.602	3.637	VV	1608	19951	0.23%	0.068%
14	3.658	3.637	3.754	VV	23553	311343	3.64%	1.066%
15	3.778	3.754	3.835	VV	16364	228115	2.67%	0.781%
16	3.854	3.835	3.997	VV	91310	1062347	12.42%	3.639%
17	4.006	3.997	4.072	VV	933	26959	0.32%	0.092%
18	4.080	4.072	4.137	VV	486	15519	0.18%	0.053%
19	4.173	4.137	4.195	VV	4908	77601	0.91%	0.266%
20	4.211	4.195	4.287	VV	3653	76158	0.89%	0.261%
21	4.307	4.287	4.358	VV	1739	33621	0.39%	0.115%
22	4.376	4.358	4.420	VV	504	14805	0.17%	0.051%
23	4.439	4.420	4.518	VV	633	19936	0.23%	0.068%
24	4.523	4.518	4.541	VV	252	2707	0.03%	0.009%
25	4.555	4.541	4.592	VV	222	5743	0.07%	0.020%
26	4.613	4.592	4.704	VV	339	12433	0.15%	0.043%
27	4.725	4.704	4.778	VV	280	9972	0.12%	0.034%
28	4.792	4.778	4.809	VV	229	3148	0.04%	0.011%
29	4.832	4.809	4.845	VV	150	2514	0.03%	0.009%
30	4.855	4.845	4.867	VV	169	1594	0.02%	0.005%
31	4.877	4.867	4.969	VV	188	7493	0.09%	0.026%
32	4.994	4.969	5.018	VV	168	2596	0.03%	0.009%
33	5.035	5.018	5.055	VV	126	1615	0.02%	0.006%
34	5.074	5.055	5.085	VV	137	1495	0.02%	0.005%
35	5.115	5.085	5.141	VV	220	4680	0.05%	0.016%
36	5.147	5.141	5.171	VV	118	1793	0.02%	0.006%

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37	5.179	5.171	5.252	VV	130	3875	0.05%	0.013%
38	5.264	5.252	5.296	PV	120	1116	0.01%	0.004%
39	5.311	5.296	5.322	VV	71	748	0.01%	0.003%
40	5.327	5.322	5.390	VV	96	1877	0.02%	0.006%
41	5.421	5.390	5.518	PV	234	7936	0.09%	0.027%
42	5.522	5.518	5.562	VV	130	2046	0.02%	0.007%
43	5.586	5.562	5.651	VV	229	5501	0.06%	0.019%
44	5.668	5.651	5.685	PV	102	1098	0.01%	0.004%
45	5.691	5.685	5.698	VV	76	490	0.01%	0.002%
46	5.740	5.698	5.841	VV	137	7931	0.09%	0.027%
47	5.856	5.841	5.871	VV	111	1936	0.02%	0.007%
48	5.889	5.871	5.906	VV	130	2257	0.03%	0.008%
49	5.937	5.906	5.952	VV	173	3262	0.04%	0.011%
50	5.967	5.952	5.985	VV	158	2149	0.03%	0.007%
51	5.993	5.985	6.017	VV	111	1488	0.02%	0.005%
52	6.028	6.017	6.038	VV	97	925	0.01%	0.003%
53	6.046	6.038	6.085	VV	123	2008	0.02%	0.007%
54	6.091	6.085	6.140	VV	82	1471	0.02%	0.005%
55	6.188	6.140	6.248	VV	235	11327	0.13%	0.039%
56	6.258	6.248	6.297	VV	149	3427	0.04%	0.012%
57	6.333	6.297	6.375	VV	233	6024	0.07%	0.021%
58	6.386	6.375	6.453	VV	136	4169	0.05%	0.014%
59	6.506	6.453	6.551	VV	234	7900	0.09%	0.027%
60	6.585	6.551	6.595	VV	147	2960	0.03%	0.010%
61	6.606	6.595	6.701	VV	253	8578	0.10%	0.029%
62	6.721	6.701	6.757	VV	130	3175	0.04%	0.011%
63	6.771	6.757	6.798	VV	160	2147	0.03%	0.007%
64	6.806	6.798	6.818	VV	131	1234	0.01%	0.004%
65	6.851	6.818	6.885	VV	223	5365	0.06%	0.018%
66	6.898	6.885	6.984	VV	191	6832	0.08%	0.023%
67	6.995	6.984	7.094	PB	81	2598	0.03%	0.009%
68	7.147	7.095	7.164	BV	57	981	0.01%	0.003%
69	7.183	7.164	7.195	VV	108	1236	0.01%	0.004%
70	7.199	7.195	7.216	VV	123	912	0.01%	0.003%
71	7.250	7.216	7.267	VV	145	1835	0.02%	0.006%
72	7.282	7.267	7.291	PV	108	877	0.01%	0.003%
73	7.318	7.291	7.382	VV	228	6026	0.07%	0.021%
74	7.389	7.382	7.395	VV	117	415	0.00%	0.001%
75	7.418	7.395	7.445	VV	202	2655	0.03%	0.009%
76	7.449	7.445	7.485	VV	190	2750	0.03%	0.009%
77	7.507	7.485	7.547	VV	201	5061	0.06%	0.017%
78	7.574	7.547	7.638	VV	254	8159	0.10%	0.028%
79	7.643	7.638	7.686	VV	148	2138	0.03%	0.007%
80	7.695	7.686	7.704	VV	81	665	0.01%	0.002%
81	7.711	7.704	7.728	VV	96	746	0.01%	0.003%
82	7.750	7.728	7.772	VV	121	1520	0.02%	0.005%
83	7.801	7.772	7.820	PV	95	1348	0.02%	0.005%
84	8.018	8.008	8.307	VV	4180	239420	2.80%	0.820%
85	8.364	8.307	8.405	VV	590	27252	0.32%	0.093%
86	8.451	8.405	8.561	VV	929	41138	0.48%	0.141%
87	8.569	8.561	8.663	VV	246	10317	0.12%	0.035%
88	8.679	8.663	8.689	VV	142	1879	0.02%	0.006%
89	8.694	8.689	8.730	VV	171	2657	0.03%	0.009%

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90	9.186	9.159	9.255	VV	1363	48663	0.57%	0.167%
91	9.283	9.255	9.352	VV	903	30831	0.36%	0.106%
92	9.361	9.352	9.432	VV	367	11263	0.13%	0.039%
93	9.466	9.432	9.526	VV	292	9444	0.11%	0.032%
94	9.531	9.526	9.563	VV	125	2115	0.02%	0.007%
95	9.580	9.563	9.591	VV	130	1599	0.02%	0.005%
96	9.669	9.591	9.691	VV	269	8886	0.10%	0.030%
97	9.699	9.691	9.780	VV	214	6815	0.08%	0.023%
98	9.791	9.780	9.801	VV	170	1450	0.02%	0.005%
99	9.822	9.801	9.866	VV	256	5792	0.07%	0.020%
100	9.893	9.866	9.918	VV	934	11177	0.13%	0.038%
101	9.944	9.918	10.261	PV	27704	865380	10.12%	2.964%
102	10.271	10.261	10.363	VV	350	14770	0.17%	0.051%
103	10.408	10.363	10.522	VV	3120	78960	0.92%	0.270%
104	10.544	10.522	10.577	VV	360	8899	0.10%	0.030%
105	10.587	10.577	10.655	VV	258	8789	0.10%	0.030%
106	10.686	10.655	10.715	VV	447	10624	0.12%	0.036%
107	10.729	10.715	10.755	VV	422	7263	0.08%	0.025%
108	10.807	10.755	10.855	VV	748	22004	0.26%	0.075%
109	10.875	10.855	10.891	VV	273	4861	0.06%	0.017%
110	10.925	10.891	10.972	VV	322	10719	0.13%	0.037%
111	10.987	10.972	11.004	VV	146	2071	0.02%	0.007%
112	11.025	11.004	11.065	VV	229	4828	0.06%	0.017%
113	11.074	11.065	11.101	VV	134	1552	0.02%	0.005%
114	11.139	11.101	11.163	VV	227	5414	0.06%	0.019%
115	11.176	11.163	11.181	VV	183	1418	0.02%	0.005%
116	11.189	11.181	11.212	VV	194	2824	0.03%	0.010%
117	11.222	11.212	11.251	VV	168	2740	0.03%	0.009%
118	11.288	11.251	11.329	VV	218	6257	0.07%	0.021%
119	11.341	11.329	11.356	VV	155	1198	0.01%	0.004%
120	11.373	11.356	11.381	PV	129	1012	0.01%	0.003%
121	11.391	11.381	11.417	VV	150	1919	0.02%	0.007%
122	11.443	11.417	11.474	VV	767	11929	0.14%	0.041%
123	11.511	11.474	11.564	VV	1067	20338	0.24%	0.070%
124	11.592	11.564	11.650	VV	656	14771	0.17%	0.051%
125	11.668	11.650	11.685	VV	275	4129	0.05%	0.014%
126	11.704	11.685	11.725	VV	256	3848	0.04%	0.013%
127	11.754	11.725	11.768	PV	120	2044	0.02%	0.007%
128	11.826	11.768	11.938	VV	747337	8551354	100.00%	29.288%
129	11.965	11.938	12.100	VV	1612	79309	0.93%	0.272%
130	12.118	12.100	12.139	VV	479	9043	0.11%	0.031%
131	12.182	12.139	12.225	VV	947	23407	0.27%	0.080%
132	12.231	12.225	12.245	VV	280	2983	0.03%	0.010%
133	12.273	12.245	12.318	VV	646	14874	0.17%	0.051%
134	12.329	12.318	12.351	VV	230	3483	0.04%	0.012%
135	12.383	12.351	12.417	VV	493	10012	0.12%	0.034%
136	12.452	12.417	12.480	VV	1878	45957	0.54%	0.157%
137	12.500	12.480	12.516	VV	1499	27594	0.32%	0.095%
138	12.530	12.516	12.591	VV	1337	44324	0.52%	0.152%
139	12.601	12.591	12.615	VV	824	10507	0.12%	0.036%
140	12.635	12.615	12.715	VV	1059	39972	0.47%	0.137%
141	12.743	12.715	12.792	VV	883	28900	0.34%	0.099%

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142	12.823	12.792	12.859	VV	1265	28904	0.34%	0.099%
143	12.890	12.859	13.010	VV	5058	109221	1.28%	0.374%
144	13.027	13.010	13.057	VV	420	8992	0.11%	0.031%
145	13.078	13.057	13.104	VV	394	8552	0.10%	0.029%
146	13.147	13.104	13.167	VV	479	12016	0.14%	0.041%
147	13.271	13.167	13.415	VV	583605	7212837	84.35%	24.704%
148	13.437	13.415	13.528	VV	1309	49421	0.58%	0.169%
149	13.531	13.528	13.551	VV	515	6328	0.07%	0.022%
150	13.567	13.551	13.621	VV	588	16131	0.19%	0.055%
151	13.661	13.621	13.693	VV	483	17230	0.20%	0.059%
152	13.706	13.693	13.739	VV	451	9393	0.11%	0.032%
153	13.744	13.739	13.766	VV	308	4116	0.05%	0.014%
154	13.783	13.766	13.812	VV	313	7547	0.09%	0.026%
155	13.876	13.812	13.919	VV	465	20683	0.24%	0.071%
156	13.977	13.919	14.000	VV	1618	33175	0.39%	0.114%
157	14.022	14.000	14.114	VV	1635	39107	0.46%	0.134%
158	14.123	14.114	14.208	VV	269	9529	0.11%	0.033%
159	14.241	14.208	14.266	VV	273	5702	0.07%	0.020%
160	14.273	14.266	14.278	VV	175	1221	0.01%	0.004%
161	14.286	14.278	14.300	VV	177	1809	0.02%	0.006%
162	14.352	14.300	14.362	VV	201	5505	0.06%	0.019%
163	14.384	14.362	14.410	VV	390	7636	0.09%	0.026%
164	14.461	14.410	14.528	VV	2134	55696	0.65%	0.191%
165	14.534	14.528	14.563	VV	406	6769	0.08%	0.023%
166	14.587	14.563	14.608	VV	1049	15759	0.18%	0.054%
167	14.642	14.608	14.665	VV	704	15950	0.19%	0.055%
168	14.687	14.665	14.771	VV	533	20109	0.24%	0.069%
169	14.784	14.771	14.811	VV	177	2985	0.03%	0.010%
170	14.877	14.811	14.935	VV	434	14335	0.17%	0.049%
171	14.963	14.935	14.993	VV	242	5139	0.06%	0.018%
172	15.021	14.993	15.044	VV	355	7898	0.09%	0.027%
173	15.092	15.044	15.111	VV	1324	28171	0.33%	0.096%
174	15.128	15.111	15.151	VV	1565	22513	0.26%	0.077%
175	15.176	15.151	15.223	VV	2104	35363	0.41%	0.121%
176	15.244	15.223	15.255	VV	214	3319	0.04%	0.011%
177	15.269	15.255	15.291	VV	128	2273	0.03%	0.008%
178	15.302	15.291	15.307	VV	128	1023	0.01%	0.004%
179	15.319	15.307	15.338	VV	230	3137	0.04%	0.011%
180	15.349	15.338	15.414	VV	186	4293	0.05%	0.015%
181	15.422	15.414	15.435	PV	121	897	0.01%	0.003%
182	15.462	15.435	15.471	VV	122	1997	0.02%	0.007%
183	15.542	15.471	15.628	VV	14673	538424	6.30%	1.844%
184	15.648	15.628	15.684	VV	3228	65594	0.77%	0.225%
185	15.713	15.684	15.761	VV	5927	96500	1.13%	0.331%
186	15.776	15.761	15.810	VV	461	9527	0.11%	0.033%
187	15.826	15.810	15.851	VV	236	4819	0.06%	0.017%
188	15.861	15.851	15.915	VV	187	4832	0.06%	0.017%
189	15.974	15.915	16.003	VV	270	7465	0.09%	0.026%
190	16.076	16.003	16.101	PV	620	19620	0.23%	0.067%
191	16.110	16.101	16.123	VV	553	6419	0.08%	0.022%
192	16.151	16.123	16.189	VV	2644	43526	0.51%	0.149%
193	16.215	16.189	16.271	VV	560	10607	0.12%	0.036%
194	16.281	16.271	16.328	VV	149	3559	0.04%	0.012%

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195	16.347	16.328	16.359	VV	178	2590	0.03%	0.009%
196	16.363	16.359	16.404	VV	117	1808	0.02%	0.006%
197	16.439	16.404	16.466	PV	708	11771	0.14%	0.040%
198	16.492	16.466	16.525	VV	356	7531	0.09%	0.026%
199	16.599	16.525	16.613	VV	1782	60075	0.70%	0.206%
200	16.634	16.613	16.675	VV	3441	58229	0.68%	0.199%
201	16.707	16.675	16.760	VV	1399	30132	0.35%	0.103%
202	16.798	16.760	16.811	VV	406	8573	0.10%	0.029%
203	16.827	16.811	16.861	VV	408	7317	0.09%	0.025%
204	16.871	16.861	16.895	VV	131	1282	0.01%	0.004%
205	16.953	16.895	16.964	PV	80	1922	0.02%	0.007%
206	16.985	16.964	17.008	PV	197	2586	0.03%	0.009%
207	17.065	17.008	17.074	VV	640	10214	0.12%	0.035%
208	17.101	17.074	17.124	VV	5226	77005	0.90%	0.264%
209	17.146	17.124	17.218	VV	4814	79712	0.93%	0.273%
210	17.256	17.218	17.277	VV	195	3650	0.04%	0.013%
211	17.289	17.277	17.311	VV	137	1456	0.02%	0.005%
212	17.329	17.311	17.375	VV	163	3524	0.04%	0.012%
213	17.394	17.375	17.408	VV	112	980	0.01%	0.003%
214	17.436	17.408	17.478	PV	650	11621	0.14%	0.040%
215	17.552	17.478	17.601	VV	6063	112555	1.32%	0.386%
216	17.639	17.601	17.676	VV	977	19111	0.22%	0.065%
217	17.690	17.676	17.708	VV	189	2411	0.03%	0.008%
218	17.753	17.708	17.796	VV	335	8187	0.10%	0.028%
219	17.835	17.796	17.855	PV	190	3086	0.04%	0.011%
220	17.949	17.855	17.966	PV	2239	40667	0.48%	0.139%
221	17.991	17.966	18.025	VV	6036	94264	1.10%	0.323%
222	18.082	18.025	18.109	VV	2476	45320	0.53%	0.155%
223	18.130	18.109	18.149	VV	1110	17928	0.21%	0.061%
224	18.166	18.149	18.192	VV	735	13109	0.15%	0.045%
225	18.215	18.192	18.241	VV	1129	16940	0.20%	0.058%
226	18.308	18.241	18.338	PV	2809	48228	0.56%	0.165%
227	18.413	18.338	18.493	VV	9950	332277	3.89%	1.138%
228	18.511	18.493	18.585	VV	1276	41358	0.48%	0.142%
229	18.629	18.585	18.655	VV	428	13060	0.15%	0.045%
230	18.702	18.655	18.751	VV	536	15314	0.18%	0.052%
231	18.822	18.751	18.860	PV	6390	116533	1.36%	0.399%
232	18.881	18.860	18.899	VV	1065	18159	0.21%	0.062%
233	18.926	18.899	18.954	VV	1933	37224	0.44%	0.127%
234	18.975	18.954	19.049	VV	1065	27287	0.32%	0.093%
235	19.097	19.049	19.115	PV	294	5542	0.06%	0.019%
236	19.223	19.115	19.300	VV	7963	235714	2.76%	0.807%
237	19.312	19.300	19.325	VV	1247	18031	0.21%	0.062%
238	19.334	19.325	19.365	VV	1135	22392	0.26%	0.077%
239	19.372	19.365	19.405	VV	685	12095	0.14%	0.041%
240	19.417	19.405	19.448	VV	534	6722	0.08%	0.023%
241	19.474	19.448	19.491	PV	348	5154	0.06%	0.018%
242	19.520	19.491	19.541	VV	581	8758	0.10%	0.030%
243	19.610	19.541	19.646	PV	3827	64947	0.76%	0.222%
244	19.679	19.646	19.701	PV	1926	32344	0.38%	0.111%
245	19.719	19.701	19.748	VV	1007	18874	0.22%	0.065%
246	19.785	19.748	19.827	VV	789	21735	0.25%	0.074%

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247	19.899	19.827	19.922	PV	423	12160	0.14%	0.042%
248	19.965	19.922	19.975	VV	3611	54181	0.63%	0.186%
249	19.984	19.975	20.041	VV	3196	64197	0.75%	0.220%
250	20.052	20.041	20.058	VV	686	6984	0.08%	0.024%
251	20.191	20.058	20.207	VV	2078	93628	1.09%	0.321%
252	20.256	20.207	20.268	VV	1969	69465	0.81%	0.238%
253	20.352	20.268	20.385	VV	4831	180339	2.11%	0.618%
254	20.509	20.385	20.528	VV	4032	264340	3.09%	0.905%
255	20.708	20.528	20.747	VV	6556	596805	6.98%	2.044%
256	21.078	20.747	21.136	VV	7824	1458509	17.06%	4.995%
257	21.379	21.136	21.414	VV	5779	959389	11.22%	3.286%
258	21.494	21.414	21.538	VV	5842	398563	4.66%	1.365%
259	21.962	21.538	22.054	VV	3791	1192452	13.94%	4.084%
260	22.073	22.054	22.083	VV	2341	40035	0.47%	0.137%
261	22.139	22.083	22.161	VV	1997	94114	1.10%	0.322%
262	22.233	22.161	22.253	VV	1317	76385	0.89%	0.262%
263	22.274	22.253	22.368	VV	1004	40495	0.47%	0.139%

Sum of corrected areas: 29197036

Aliphatic EPH 061025.M Thu Jun 19 02:28:38 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061825AL\
Data File : FE054487.D
Signal(s) : FID1B.ch
Acq On : 18 Jun 2025 17:28
Operator : YP\AJ
Sample : Q2342-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
S-5

Integration File: autoint1.e
Quant Time: Jun 19 01:36:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.M
Quant Title : GC Extractables
QLast Update : Tue Jun 10 07:24:04 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.825	7507109	45.433 ug/ml
Spiked Amount 50.000		Recovery =	90.87%
12) S 1-chlorooctadecane (S...	13.270	6087004	49.915 ug/ml
Spiked Amount 50.000		Recovery =	99.83%
Target Compounds			

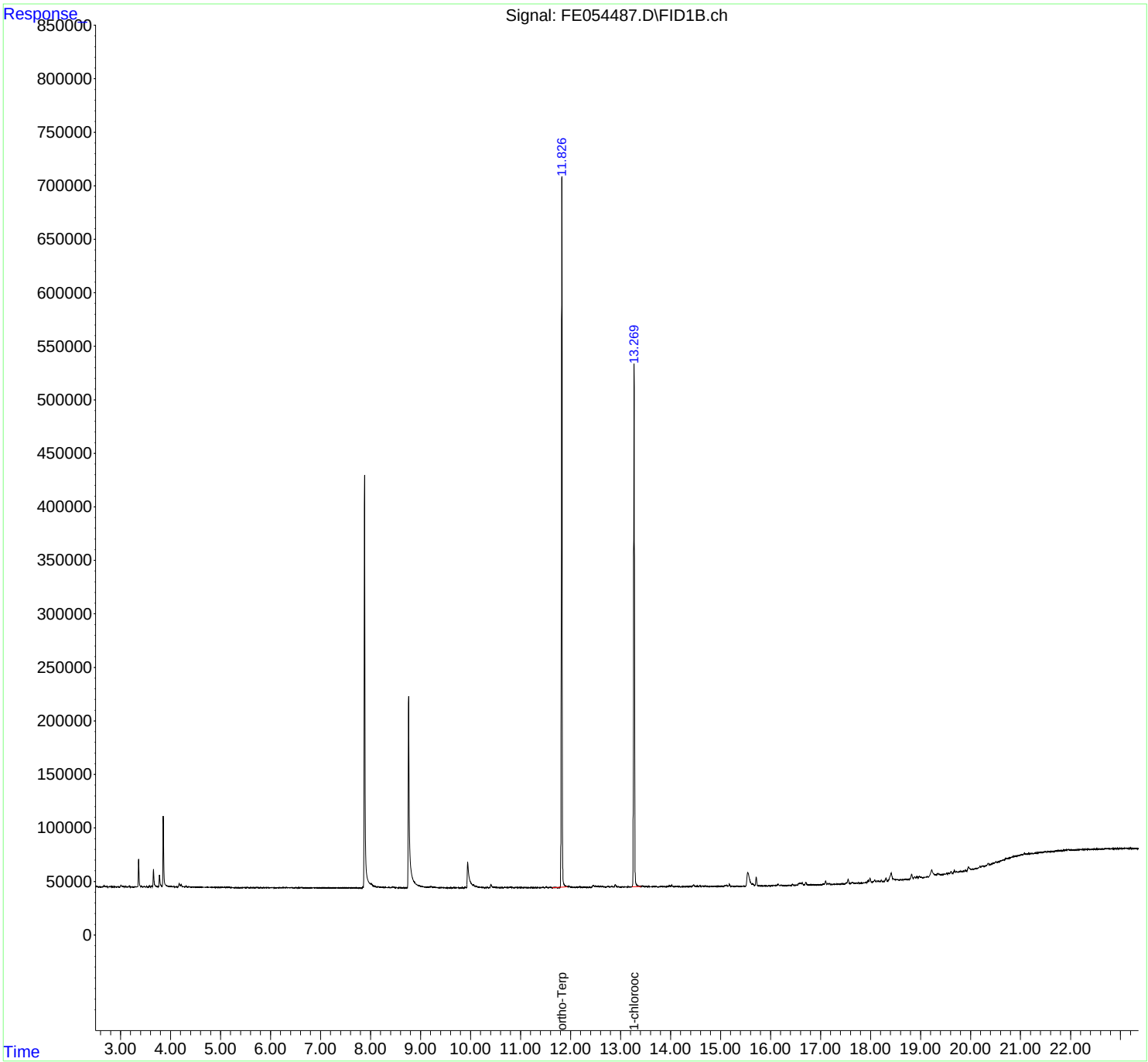
(f)=RT Delta > 1/2 Window (m)=manual int.

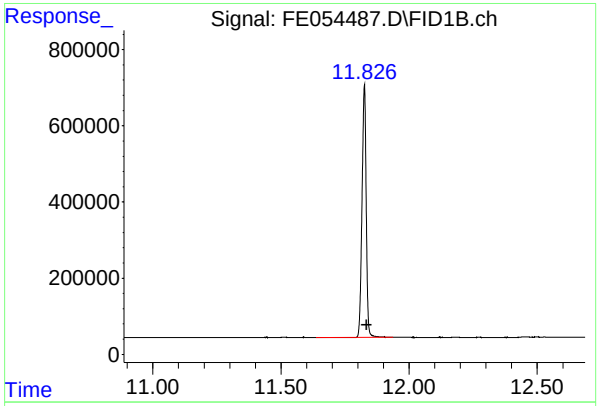
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061825AL\
Data File : FE054487.D
Signal(s) : FID1B.ch
Acq On : 18 Jun 2025 17:28
Operator : YP\AJ
Sample : Q2342-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
S-5

Integration File: autoint1.e
Quant Time: Jun 19 01:36:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.M
Quant Title : GC Extractables
QLast Update : Tue Jun 10 07:24:04 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

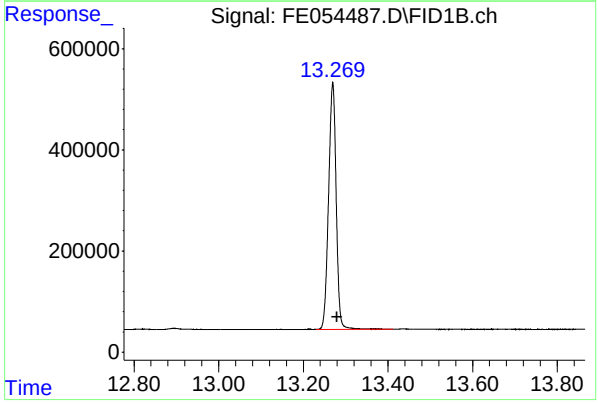




#9 ortho-Terphenyl (SURR)

R.T.: 11.825 min
Delta R.T.: -0.010 min
Response: 7507109
Conc: 45.43 ug/ml

Instrument :
FID_E
ClientSampleId :
S-5



#12 1-chlorooctadecane (SURR)

R.T.: 13.270 min
Delta R.T.: -0.010 min
Response: 6087004
Conc: 49.91 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061825AL\
Data File : FE054487.D
Signal(s) : FID1B.ch
Acq On : 18 Jun 2025 17:28
Sample : Q2342-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.834	2.804	2.888	BV	55	135	0.00%	0.001%
2	2.891	2.888	2.958	VV	123	1586	0.02%	0.006%
3	2.961	2.958	2.969	VV	93	352	0.00%	0.001%
4	3.006	2.969	3.085	PV	1738	39189	0.52%	0.152%
5	3.098	3.085	3.114	VV	267	3850	0.05%	0.015%
6	3.121	3.114	3.139	VV	230	3265	0.04%	0.013%
7	3.163	3.139	3.225	VV	889	18171	0.24%	0.070%
8	3.234	3.225	3.244	VV	151	1728	0.02%	0.007%
9	3.258	3.244	3.279	VV	159	2538	0.03%	0.010%
10	3.296	3.279	3.334	VV	367	8442	0.11%	0.033%
11	3.361	3.334	3.439	VV	25871	287101	3.79%	1.112%
12	3.466	3.439	3.501	VV	528	13642	0.18%	0.053%
13	3.523	3.501	3.548	VV	675	11024	0.15%	0.043%
14	3.579	3.548	3.604	VV	1078	19595	0.26%	0.076%
15	3.624	3.604	3.638	VV	1306	16933	0.22%	0.066%
16	3.658	3.638	3.753	VV	16804	228614	3.02%	0.885%
17	3.778	3.753	3.831	VV	11327	163965	2.17%	0.635%
18	3.854	3.831	3.994	VV	65502	781632	10.32%	3.026%
19	4.008	3.994	4.064	VV	854	25537	0.34%	0.099%
20	4.081	4.064	4.151	VV	542	23474	0.31%	0.091%
21	4.174	4.151	4.195	VV	3613	57253	0.76%	0.222%
22	4.211	4.195	4.287	VV	2678	61658	0.81%	0.239%
23	4.307	4.287	4.351	VV	1410	28291	0.37%	0.110%
24	4.368	4.351	4.404	VV	443	12573	0.17%	0.049%
25	4.410	4.404	4.421	VV	355	3476	0.05%	0.013%
26	4.441	4.421	4.536	VV	646	25324	0.33%	0.098%
27	4.562	4.536	4.605	VV	303	11010	0.15%	0.043%
28	4.615	4.605	4.638	VV	359	5783	0.08%	0.022%
29	4.660	4.638	4.706	VV	295	9375	0.12%	0.036%
30	4.731	4.706	4.775	VV	349	11730	0.15%	0.045%
31	4.790	4.775	4.838	VV	285	8851	0.12%	0.034%
32	4.856	4.838	4.881	VV	238	5120	0.07%	0.020%
33	4.924	4.881	4.971	VV	246	10353	0.14%	0.040%
34	4.977	4.971	5.011	VV	219	3510	0.05%	0.014%
35	5.027	5.011	5.078	VV	208	6045	0.08%	0.023%
36	5.109	5.078	5.141	VV	281	7270	0.10%	0.028%

rteres

37	5.146	5.141	5.214	VV	206	6991	0.09%	0.027%
38	5.221	5.214	5.229	VV	148	1083	0.01%	0.004%
39	5.235	5.229	5.300	VV	143	3830	0.05%	0.015%
40	5.317	5.300	5.348	VV	140	2581	0.03%	0.010%
41	5.375	5.348	5.412	VV	195	4185	0.06%	0.016%
42	5.456	5.412	5.488	PV	168	4414	0.06%	0.017%
43	5.496	5.488	5.530	VV	127	2232	0.03%	0.009%
44	5.540	5.530	5.566	VV	101	1759	0.02%	0.007%
45	5.583	5.566	5.638	VV	196	4771	0.06%	0.018%
46	5.696	5.638	5.741	VV	163	5634	0.07%	0.022%
47	5.746	5.741	5.752	VV	143	752	0.01%	0.003%
48	5.758	5.752	5.765	VV	142	916	0.01%	0.004%
49	5.771	5.765	5.779	VV	138	931	0.01%	0.004%
50	5.794	5.779	5.834	VV	148	3796	0.05%	0.015%
51	5.858	5.834	5.921	VV	228	6701	0.09%	0.026%
52	5.935	5.921	5.951	VV	176	2307	0.03%	0.009%
53	5.964	5.951	6.038	VV	260	5243	0.07%	0.020%
54	6.054	6.038	6.088	VV	98	2176	0.03%	0.008%
55	6.097	6.088	6.121	VV	88	813	0.01%	0.003%
56	6.159	6.121	6.171	PV	158	2369	0.03%	0.009%
57	6.185	6.171	6.202	VV	221	3351	0.04%	0.013%
58	6.211	6.202	6.264	VV	260	6217	0.08%	0.024%
59	6.267	6.264	6.291	VV	205	2072	0.03%	0.008%
60	6.306	6.291	6.318	VV	207	2679	0.04%	0.010%
61	6.329	6.318	6.384	VV	205	5116	0.07%	0.020%
62	6.393	6.384	6.402	VV	99	1041	0.01%	0.004%
63	6.415	6.402	6.429	VV	171	1886	0.02%	0.007%
64	6.438	6.429	6.478	VV	125	2726	0.04%	0.011%
65	6.510	6.478	6.524	VV	227	4000	0.05%	0.015%
66	6.532	6.524	6.578	VV	146	3892	0.05%	0.015%
67	6.612	6.578	6.664	VV	210	6665	0.09%	0.026%
68	6.674	6.664	6.681	VV	92	863	0.01%	0.003%
69	6.688	6.681	6.706	VV	127	1472	0.02%	0.006%
70	6.723	6.706	6.744	VV	200	2700	0.04%	0.010%
71	6.774	6.744	6.804	VV	151	3673	0.05%	0.014%
72	6.837	6.804	6.892	VV	205	7863	0.10%	0.030%
73	6.912	6.892	6.951	VV	192	4521	0.06%	0.018%
74	6.964	6.951	7.001	VV	180	2759	0.04%	0.011%
75	7.012	7.001	7.036	VV	118	1575	0.02%	0.006%
76	7.044	7.036	7.111	VV	116	3020	0.04%	0.012%
77	7.121	7.111	7.149	VV	67	1372	0.02%	0.005%
78	7.187	7.149	7.229	VV	200	4594	0.06%	0.018%
79	7.327	7.229	7.411	VV	241	14293	0.19%	0.055%
80	7.417	7.411	7.438	VV	117	1661	0.02%	0.006%
81	7.493	7.438	7.532	VV	221	7525	0.10%	0.029%
82	7.563	7.532	7.623	VV	283	9765	0.13%	0.038%
83	7.646	7.623	7.664	VV	189	3266	0.04%	0.013%
84	7.674	7.664	7.719	VV	157	3525	0.05%	0.014%
85	7.725	7.719	7.744	VV	131	1447	0.02%	0.006%
86	7.755	7.744	7.811	VV	146	2700	0.04%	0.010%
87	8.018	8.008	8.337	VV	3972	245359	3.24%	0.950%
88	8.360	8.337	8.371	VV	575	10851	0.14%	0.042%
89	8.378	8.371	8.401	VV	555	8534	0.11%	0.033%

rteres

90	8.449	8.401	8.522	VV	1023	39363	0.52%	0.152%
91	8.535	8.522	8.578	VV	292	7633	0.10%	0.030%
92	8.597	8.578	8.651	VV	278	8579	0.11%	0.033%
93	8.670	8.651	8.733	VV	258	7704	0.10%	0.030%
94	9.189	9.156	9.207	VV	1263	30098	0.40%	0.117%
95	9.219	9.207	9.260	VV	1143	24166	0.32%	0.094%
96	9.284	9.260	9.454	VV	891	44246	0.58%	0.171%
97	9.465	9.454	9.519	VV	331	6921	0.09%	0.027%
98	9.565	9.519	9.592	VV	183	4947	0.07%	0.019%
99	9.615	9.592	9.626	VV	152	2367	0.03%	0.009%
100	9.680	9.626	9.698	VV	284	7640	0.10%	0.030%
101	9.728	9.698	9.739	VV	207	3943	0.05%	0.015%
102	9.754	9.739	9.768	VV	161	1904	0.03%	0.007%
103	9.788	9.768	9.795	VV	121	1655	0.02%	0.006%
104	9.819	9.795	9.864	VV	248	5732	0.08%	0.022%
105	9.892	9.864	9.918	VV	960	10844	0.14%	0.042%
106	9.945	9.918	10.155	PV	23771	750028	9.90%	2.904%
107	10.173	10.155	10.275	VV	867	37217	0.49%	0.144%
108	10.284	10.275	10.298	VV	296	3752	0.05%	0.015%
109	10.304	10.298	10.313	VV	287	2369	0.03%	0.009%
110	10.333	10.313	10.351	VV	343	5692	0.08%	0.022%
111	10.358	10.351	10.366	VV	189	1634	0.02%	0.006%
112	10.408	10.366	10.491	VV	3131	70434	0.93%	0.273%
113	10.496	10.491	10.523	VV	377	5963	0.08%	0.023%
114	10.540	10.523	10.567	VV	331	6409	0.08%	0.025%
115	10.580	10.567	10.647	VV	242	7886	0.10%	0.031%
116	10.685	10.647	10.712	VV	399	9613	0.13%	0.037%
117	10.733	10.712	10.761	VV	366	7442	0.10%	0.029%
118	10.772	10.761	10.784	VV	401	4321	0.06%	0.017%
119	10.805	10.784	10.852	VV	699	15966	0.21%	0.062%
120	10.932	10.852	10.998	VV	372	15971	0.21%	0.062%
121	11.022	10.998	11.064	VV	247	5134	0.07%	0.020%
122	11.074	11.064	11.097	VV	112	931	0.01%	0.004%
123	11.142	11.097	11.168	VV	184	4397	0.06%	0.017%
124	11.183	11.168	11.208	VV	239	3071	0.04%	0.012%
125	11.215	11.208	11.222	VV	132	915	0.01%	0.004%
126	11.229	11.222	11.251	VV	124	1396	0.02%	0.005%
127	11.282	11.251	11.296	VV	229	3478	0.05%	0.013%
128	11.305	11.296	11.363	VV	179	3159	0.04%	0.012%
129	11.442	11.363	11.473	PV	683	13257	0.18%	0.051%
130	11.510	11.473	11.567	VV	970	19982	0.26%	0.077%
131	11.590	11.567	11.628	VV	667	11019	0.15%	0.043%
132	11.668	11.628	11.684	VV	222	3834	0.05%	0.015%
133	11.703	11.684	11.725	VV	276	3852	0.05%	0.015%
134	11.753	11.725	11.771	PV	219	2541	0.03%	0.010%
135	11.825	11.771	11.938	VV	659860	7573313	100.00%	29.320%
136	11.966	11.938	12.054	VV	1064	46652	0.62%	0.181%
137	12.066	12.054	12.087	VV	374	5760	0.08%	0.022%
138	12.118	12.087	12.143	VV	417	10543	0.14%	0.041%
139	12.181	12.143	12.242	VV	814	21543	0.28%	0.083%
140	12.273	12.242	12.324	VV	506	11254	0.15%	0.044%
141	12.332	12.324	12.354	VV	139	1403	0.02%	0.005%

rteres

142	12.382	12.354	12.414	VV	360	6341	0.08%	0.025%
143	12.453	12.414	12.484	VV	1709	43655	0.58%	0.169%
144	12.499	12.484	12.515	VV	1375	21331	0.28%	0.083%
145	12.529	12.515	12.613	VV	1196	48971	0.65%	0.190%
146	12.635	12.613	12.678	VV	924	25561	0.34%	0.099%
147	12.690	12.678	12.708	VV	502	7655	0.10%	0.030%
148	12.745	12.708	12.785	VV	825	25520	0.34%	0.099%
149	12.823	12.785	12.858	VV	1197	27344	0.36%	0.106%
150	12.895	12.858	13.008	VV	2529	66220	0.87%	0.256%
151	13.029	13.008	13.055	VV	360	7218	0.10%	0.028%
152	13.072	13.055	13.104	VV	339	7276	0.10%	0.028%
153	13.114	13.104	13.123	VV	238	2425	0.03%	0.009%
154	13.144	13.123	13.168	VV	431	7561	0.10%	0.029%
155	13.270	13.168	13.412	VV	489224	6147468	81.17%	23.800%
156	13.437	13.412	13.526	VV	1174	44909	0.59%	0.174%
157	13.567	13.526	13.624	VV	519	20525	0.27%	0.079%
158	13.632	13.624	13.640	VV	319	2668	0.04%	0.010%
159	13.668	13.640	13.678	VV	403	7734	0.10%	0.030%
160	13.684	13.678	13.698	VV	325	3711	0.05%	0.014%
161	13.708	13.698	13.772	VV	333	10056	0.13%	0.039%
162	13.789	13.772	13.824	VV	270	7115	0.09%	0.028%
163	13.876	13.824	13.924	VV	422	17665	0.23%	0.068%
164	13.976	13.924	13.999	VV	1315	26877	0.35%	0.104%
165	14.023	13.999	14.071	VV	1538	29463	0.39%	0.114%
166	14.080	14.071	14.161	VV	286	10781	0.14%	0.042%
167	14.171	14.161	14.214	VV	165	3491	0.05%	0.014%
168	14.251	14.214	14.331	VV	234	9500	0.13%	0.037%
169	14.346	14.331	14.364	VV	207	2875	0.04%	0.011%
170	14.384	14.364	14.414	VV	379	7443	0.10%	0.029%
171	14.461	14.414	14.505	VV	1798	41252	0.54%	0.160%
172	14.532	14.505	14.560	VV	550	12494	0.16%	0.048%
173	14.587	14.560	14.608	VV	978	14560	0.19%	0.056%
174	14.642	14.608	14.668	VV	815	18011	0.24%	0.070%
175	14.685	14.668	14.768	VV	532	18241	0.24%	0.071%
176	14.788	14.768	14.814	VV	167	2922	0.04%	0.011%
177	14.876	14.814	14.925	VV	502	13436	0.18%	0.052%
178	14.966	14.925	14.979	PV	280	4185	0.06%	0.016%
179	15.018	14.979	15.058	VV	343	10136	0.13%	0.039%
180	15.093	15.058	15.111	VV	1147	23251	0.31%	0.090%
181	15.126	15.111	15.150	VV	1203	17707	0.23%	0.069%
182	15.176	15.150	15.214	VV	1851	29971	0.40%	0.116%
183	15.240	15.214	15.251	VV	212	3267	0.04%	0.013%
184	15.259	15.251	15.304	VV	127	2408	0.03%	0.009%
185	15.320	15.304	15.348	PV	175	2649	0.03%	0.010%
186	15.353	15.348	15.434	VV	69	2156	0.03%	0.008%
187	15.544	15.434	15.630	PV	12797	479701	6.33%	1.857%
188	15.647	15.630	15.680	VV	2262	47056	0.62%	0.182%
189	15.712	15.680	15.818	VV	8453	144405	1.91%	0.559%
190	15.831	15.818	15.898	VV	233	7094	0.09%	0.027%
191	15.974	15.898	16.008	VV	164	6104	0.08%	0.024%
192	16.071	16.008	16.097	VV	597	17476	0.23%	0.068%
193	16.151	16.097	16.194	VV	1845	39074	0.52%	0.151%
194	16.215	16.194	16.261	VV	737	12307	0.16%	0.048%

rteres

195	16.285	16.261	16.308	VV	160	2952	0.04%	0.011%
196	16.347	16.308	16.368	PV	197	3796	0.05%	0.015%
197	16.379	16.368	16.401	VV	123	1598	0.02%	0.006%
198	16.438	16.401	16.468	VV	1020	16115	0.21%	0.062%
199	16.494	16.468	16.521	VV	417	7915	0.10%	0.031%
200	16.596	16.521	16.616	VV	1957	73306	0.97%	0.284%
201	16.632	16.616	16.674	VV	2308	42070	0.56%	0.163%
202	16.705	16.674	16.764	VV	2597	51376	0.68%	0.199%
203	16.794	16.764	16.881	VV	473	14185	0.19%	0.055%
204	16.949	16.881	16.968	VV	137	3609	0.05%	0.014%
205	16.984	16.968	17.011	PV	213	2544	0.03%	0.010%
206	17.101	17.011	17.128	VV	3534	68151	0.90%	0.264%
207	17.146	17.128	17.164	VV	1248	17531	0.23%	0.068%
208	17.181	17.164	17.224	VV	863	14947	0.20%	0.058%
209	17.347	17.224	17.408	VV	260	13120	0.17%	0.051%
210	17.436	17.408	17.469	PV	417	9255	0.12%	0.036%
211	17.551	17.469	17.594	VV	4372	92554	1.22%	0.358%
212	17.638	17.594	17.691	VV	919	27596	0.36%	0.107%
213	17.755	17.691	17.801	VV	401	11844	0.16%	0.046%
214	17.825	17.801	17.845	PV	134	2894	0.04%	0.011%
215	17.990	17.845	18.024	PV	3965	102118	1.35%	0.395%
216	18.082	18.024	18.111	VV	2142	43051	0.57%	0.167%
217	18.130	18.111	18.148	VV	1184	17902	0.24%	0.069%
218	18.164	18.148	18.188	VV	800	14153	0.19%	0.055%
219	18.214	18.188	18.244	VV	1319	20078	0.27%	0.078%
220	18.307	18.244	18.341	PV	3192	54629	0.72%	0.211%
221	18.412	18.341	18.573	VV	7331	287230	3.79%	1.112%
222	18.619	18.573	18.658	VV	295	11165	0.15%	0.043%
223	18.705	18.658	18.754	PV	467	13729	0.18%	0.053%
224	18.821	18.754	18.856	PV	4582	87117	1.15%	0.337%
225	18.883	18.856	18.903	VV	1835	32280	0.43%	0.125%
226	18.926	18.903	18.950	VV	1717	31574	0.42%	0.122%
227	18.975	18.950	19.040	VV	1440	41105	0.54%	0.159%
228	19.136	19.040	19.156	PV	548	11902	0.16%	0.046%
229	19.223	19.156	19.284	PV	6327	205680	2.72%	0.796%
230	19.342	19.284	19.441	VV	1867	85003	1.12%	0.329%
231	19.474	19.441	19.498	VV	470	10635	0.14%	0.041%
232	19.519	19.498	19.541	VV	720	10265	0.14%	0.040%
233	19.563	19.541	19.584	VV	697	10567	0.14%	0.041%
234	19.610	19.584	19.644	VV	1992	30412	0.40%	0.118%
235	19.678	19.644	19.708	PV	2299	41446	0.55%	0.160%
236	19.722	19.708	19.754	VV	873	18236	0.24%	0.071%
237	19.793	19.754	19.824	VV	705	19953	0.26%	0.077%
238	19.898	19.824	19.918	VV	762	12395	0.16%	0.048%
239	19.959	19.918	20.034	VV	3454	99941	1.32%	0.387%
240	20.238	20.034	20.264	VV	1940	147287	1.94%	0.570%
241	20.351	20.264	20.381	VV	3506	149478	1.97%	0.579%
242	20.506	20.381	20.531	VV	3834	256566	3.39%	0.993%
243	20.711	20.531	20.738	VV	5288	500304	6.61%	1.937%
244	21.077	20.738	21.110	VV	6954	1299477	17.16%	5.031%
245	21.389	21.110	21.424	VV	5467	1054315	13.92%	4.082%
246	21.494	21.424	21.534	VV	5219	332315	4.39%	1.287%

rteres

247	21.960	21.534	22.031	VV	3458	1121842	14.81%	4.343%
248	22.275	22.031	22.341	VV	1128	284336	3.75%	1.101%
249	22.353	22.341	22.396	VV	518	9684	0.13%	0.037%

Sum of corrected areas: 25829484

Aliphatic EPH 061025.M Thu Jun 19 02:29:34 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061825AL\
Data File : FE054480.D
Signal(s) : FID1B.ch
Acq On : 18 Jun 2025 13:56
Operator : YP\AJ
Sample : PB168533BL
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
PB168533BL

Integration File: autoint1.e
Quant Time: Jun 19 01:34:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.M
Quant Title : GC Extractables
QLast Update : Tue Jun 10 07:24:04 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.828	6455118	39.066 ug/ml
Spiked Amount 50.000		Recovery =	78.13%
12) S 1-chlorooctadecane (S...	13.273	4988449	40.906 ug/ml
Spiked Amount 50.000		Recovery =	81.81%
Target Compounds			

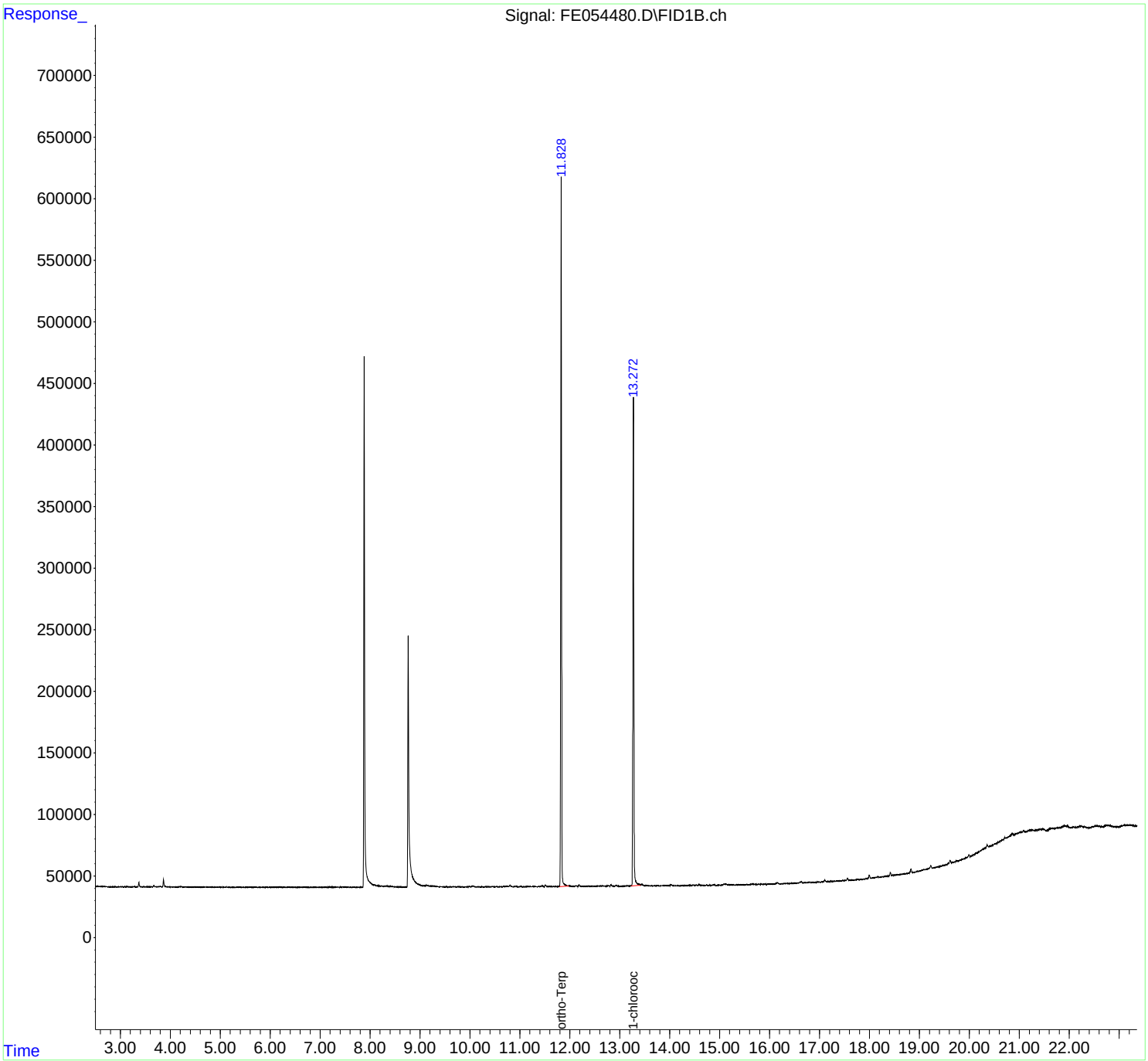
(f)=RT Delta > 1/2 Window (m)=manual int.

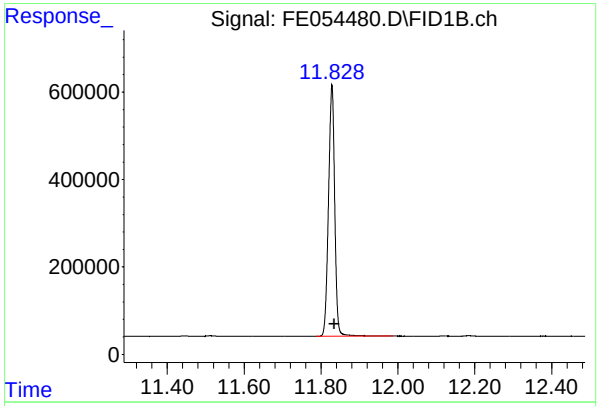
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061825AL\
Data File : FE054480.D
Signal(s) : FID1B.ch
Acq On : 18 Jun 2025 13:56
Operator : YP\AJ
Sample : PB168533BL
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
PB168533BL

Integration File: autoint1.e
Quant Time: Jun 19 01:34:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.M
Quant Title : GC Extractables
QLast Update : Tue Jun 10 07:24:04 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

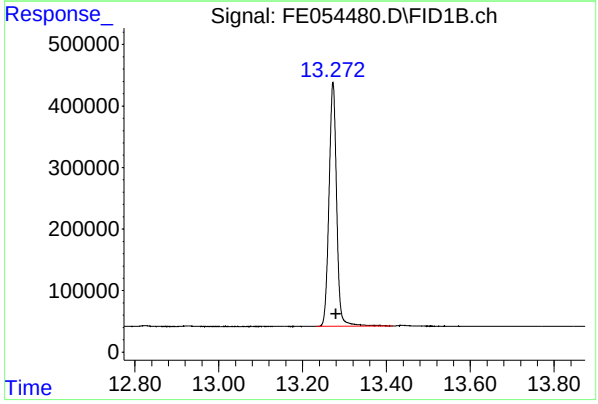




#9 ortho-Terphenyl (SURR)

R.T.: 11.828 min
Delta R.T.: -0.007 min
Response: 6455118
Conc: 39.07 ug/ml

Instrument :
FID_E
ClientSampleId :
PB168533BL



#12 1-chlorooctadecane (SURR)

R.T.: 13.273 min
Delta R.T.: -0.007 min
Response: 4988449
Conc: 40.91 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061825AL\
Data File : FE054480.D
Signal(s) : FID1B.ch
Acq On : 18 Jun 2025 13:56
Sample : PB168533BL
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	11.828	11.787	11.987	BB	577925	6455118	100.00%	56.408%
2	13.273	13.232	13.415	BV	397028	4988449	77.28%	43.592%
			Sum of corrected areas:			11443568		

Aliphatic EPH 061025.M Thu Jun 19 02:17:42 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061825AL\
Data File : FE054481.D
Signal(s) : FID1B.ch
Acq On : 18 Jun 2025 14:26
Operator : YP\AJ
Sample : PB168533BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jun 19 01:34:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.M
Quant Title : GC Extractables
QLast Update : Tue Jun 10 07:24:04 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Instrument :
FID_E
ClientSampleId :
PB168533BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/19/2025
Supervised By :mohammad ahmed 06/20/2025

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) S	ortho-Terphenyl (SURR)	11.827	6730578	40.733 ug/ml
Spiked Amount	50.000		Recovery =	81.47%
12) S	1-chlorooctadecane (S...	13.271	5295781	43.426 ug/mlm
Spiked Amount	50.000		Recovery =	86.85%
	Target Compounds			
1) T	n-Nonane (C9)	3.180	3919990	31.567 ug/ml
2) T	n-Decane (C10)	4.439	4044307	32.549 ug/ml
3) T	A~Naphthalene (C11.7)	6.151	5370284	39.738 ug/ml
4) T	n-Dodecane (C12)	6.618	4550826	35.740 ug/ml
5) T	A~2-methylnaphthalene...	7.253	5170479	39.036 ug/ml
6) T	n-Tetradecane (C14)	8.454	5160608	39.861 ug/ml
7) T	n-Hexadecane (C16)	10.066	5552422	41.798 ug/ml
8) T	n-Octadecane (C18)	11.513	5613926	41.574 ug/ml
10) T	n-Eicosane (C20)	12.826	5763420	43.082 ug/ml
11) T	n-Heneicosane (C21)	13.439	5501454	41.374 ug/ml
13) T	n-Docosane (C22)	14.027	5440011	41.488 ug/ml
14) T	n-Tetracosane (C24)	15.128	11771866	91.259 ug/ml
15) T	n-Hexacosane (C26)	16.156	5227668	41.645 ug/ml
16) T	n-Octacosane (C28)	17.105	5631986	45.926 ug/mlm
17) T	n-Tricontane (C30)	17.997	5157079	41.609 ug/ml
18) T	n-Dotriacontane (C32)	18.828	5286319	42.074 ug/mlm
19) T	n-Tetratriacontane (C34)	19.614	5243396	42.147 ug/mlm
20) T	n-Hexatriacontane (C36)	20.354	5175037	40.200 ug/ml
21) T	n-Octatriacontane (C38)	21.082	5150297	39.005 ug/ml
22) T	n-Tetracontane (C40)	21.967	4804382	35.666 ug/mlm

(f)=RT Delta > 1/2 Window (m)=manual int.

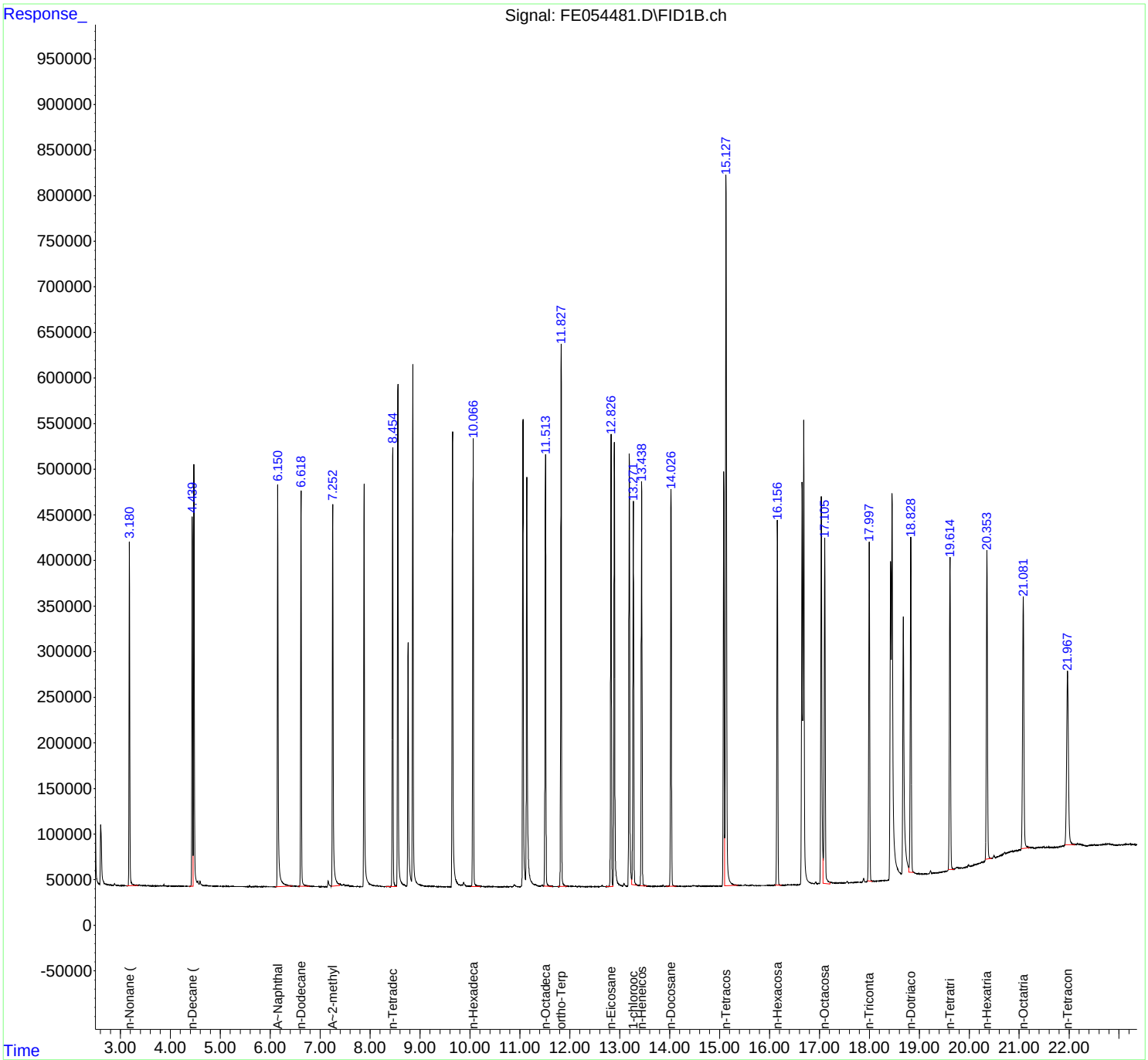
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061825AL\
Data File : FE054481.D
Signal(s) : FID1B.ch
Acq On : 18 Jun 2025 14:26
Operator : YP\AJ
Sample : PB168533BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jun 19 01:34:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.
Quant Title : GC Extractables
QLast Update : Tue Jun 10 07:24:04 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Instrument :
FID_E
ClientSampleId :
PB168533BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/19/2025
Supervised By :mohammad ahmed 06/20/2025



5

Instrument :
FID_E
ClientSampleId :
PB168533BS

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/19/2025
Supervised By :mohammad ahmed 06/20/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE06182
Data File : FE054481.D
Signal(s) : FID1B.ch
Acq On : 18 Jun 2025 14:26
Sample : PB168533BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.180	3.124	3.355	BB	376890	3919990	33.30%	1.879%
2	4.439	4.378	4.456	BV	404996	4044307	34.36%	1.939%
3	4.473	4.456	4.535	VV	461591	4964040	42.17%	2.380%
4	6.151	6.099	6.445	BB	440340	5370284	45.62%	2.574%
5	6.618	6.565	6.800	BB	433367	4550826	38.66%	2.181%
6	7.253	7.222	7.385	VV	417937	5170479	43.92%	2.478%
7	8.454	8.312	8.529	BV	479433	5160608	43.84%	2.474%
8	8.558	8.529	8.732	VV	547889	6155217	52.29%	2.951%
9	8.858	8.829	9.115	VB	573603	6458857	54.87%	3.096%
10	9.652	9.549	9.825	BV	496216	6340518	53.86%	3.039%
11	10.066	10.020	10.215	BB	490641	5552422	47.17%	2.662%
12	11.063	10.987	11.115	BV	513041	6018414	51.13%	2.885%
13	11.141	11.115	11.294	VV	447308	6157462	52.31%	2.952%
14	11.513	11.470	11.649	BB	472445	5613926	47.69%	2.691%
15	11.827	11.757	11.950	BV	593305	6730578	57.18%	3.226%
16	12.826	12.720	12.862	BV	494177	5763420	48.96%	2.763%
17	12.892	12.862	13.057	VV	485543	6017600	51.12%	2.885%
18	13.191	13.154	13.229	BBA	467938	5652816	48.02%	2.710%
19	13.271	13.230	13.404	BV	415840	4916725	41.77%	2.357%
20	13.439	13.404	13.554	PB	442604	5501454	46.73%	2.637%
21	14.027	13.929	14.134	BB	435062	5440011	46.21%	2.608%
22	15.082	14.952	15.102	BV	454798	5669188	48.16%	2.718%
23	15.128	15.102	15.369	VB	777737	11771866	100.00%	5.643%
24	16.156	16.110	16.245	BB	398290	5227668	44.41%	2.506%
25	16.653	16.459	16.667	BV	440894	6142475	52.18%	2.944%
26	16.685	16.667	16.897	VV	510086	6976592	59.26%	3.344%
27	17.037	16.982	17.069	BBA	405933	5362042	45.55%	2.570%
28	17.105	17.070	17.284	BB	353634	3749377	31.85%	1.797%
29	17.997	17.960	18.062	BB	371714	5157079	43.81%	2.472%
30	18.425	18.094	18.437	BV	345970	4528988	38.47%	2.171%
31	18.454	18.437	18.642	VV	419231	8082941	68.66%	3.875%
32	18.679	18.642	18.790	PBA	280340	5249975	44.60%	2.517%
33	18.829	18.790	19.004	BB	363471	5000264	42.48%	2.397%
34	19.614	19.580	19.694	BV	341832	5211767	44.27%	2.498%
35	20.354	20.320	20.454	BB	338011	5175037	43.96%	2.481%
36	21.082	21.040	21.215	BB	276161	5150297	43.75%	2.469%

5

Instrument :
FID_E
ClientSampleId :
PB168533BS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/19/2025
Supervised By :mohammad ahmed 06/20/2025

A B C D E F G H I J

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                                        rteres
  37 21.969  21.920  22.124  BV   188875   4658790  39.58%  2.233%
                        Sum of corrected areas:   208

Aliphatic EPH 061025.M Thu Jun 19 02:18:45 2025
```

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061825AL\
Data File : FE054482.D
Signal(s) : FID1B.ch
Acq On : 18 Jun 2025 14:56
Operator : YP\AJ
Sample : PB168533BSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jun 19 01:34:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.M
Quant Title : GC Extractables
QLast Update : Tue Jun 10 07:24:04 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Instrument :
FID_E
ClientSampleId :
PB168533BSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/19/2025
Supervised By :mohammad ahmed 06/20/2025

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) S	ortho-Terphenyl (SURR)	11.826	6448800	39.028 ug/ml
Spiked Amount	50.000		Recovery =	78.06%
12) S	1-chlorooctadecane (S...	13.269	5071682	41.589 ug/mlm
Spiked Amount	50.000		Recovery =	83.18%
	Target Compounds			
1) T	n-Nonane (C9)	3.180	3760866	30.286 ug/ml
2) T	n-Decane (C10)	4.439	3887034	31.283 ug/ml
3) T	A~Naphthalene (C11.7)	6.151	5139364	38.030 ug/ml
4) T	n-Dodecane (C12)	6.618	4365128	34.281 ug/ml
5) T	A~2-methylnaphthalene...	7.252	4949068	37.365 ug/ml
6) T	n-Tetradecane (C14)	8.453	4949539	38.231 ug/ml
7) T	n-Hexadecane (C16)	10.065	5317220	40.028 ug/ml
8) T	n-Octadecane (C18)	11.512	5383462	39.868 ug/ml
10) T	n-Eicosane (C20)	12.825	5521968	41.277 ug/ml
11) T	n-Heneicosane (C21)	13.438	5264820	39.595 ug/ml
13) T	n-Docosane (C22)	14.025	5204721	39.694 ug/ml
14) T	n-Tetracosane (C24)	15.126	11262880	87.313 ug/ml
15) T	n-Hexacosane (C26)	16.155	4985341	39.715 ug/ml
16) T	n-Octacosane (C28)	17.104	5381240	43.882 ug/mlm
17) T	n-Tricontane (C30)	17.996	4946966	39.913 ug/ml
18) T	n-Dotriacontane (C32)	18.828	5124103	40.783 ug/mlm
19) T	n-Tetratriacontane (C34)	19.612	5045207	40.554 ug/mlm
20) T	n-Hexatriacontane (C36)	20.354	4994774	38.800 ug/mlm
21) T	n-Octatriacontane (C38)	21.080	4957644	37.546 ug/ml
22) T	n-Tetracontane (C40)	21.968	4649726	34.518 ug/mlm

(f)=RT Delta > 1/2 Window (m)=manual int.

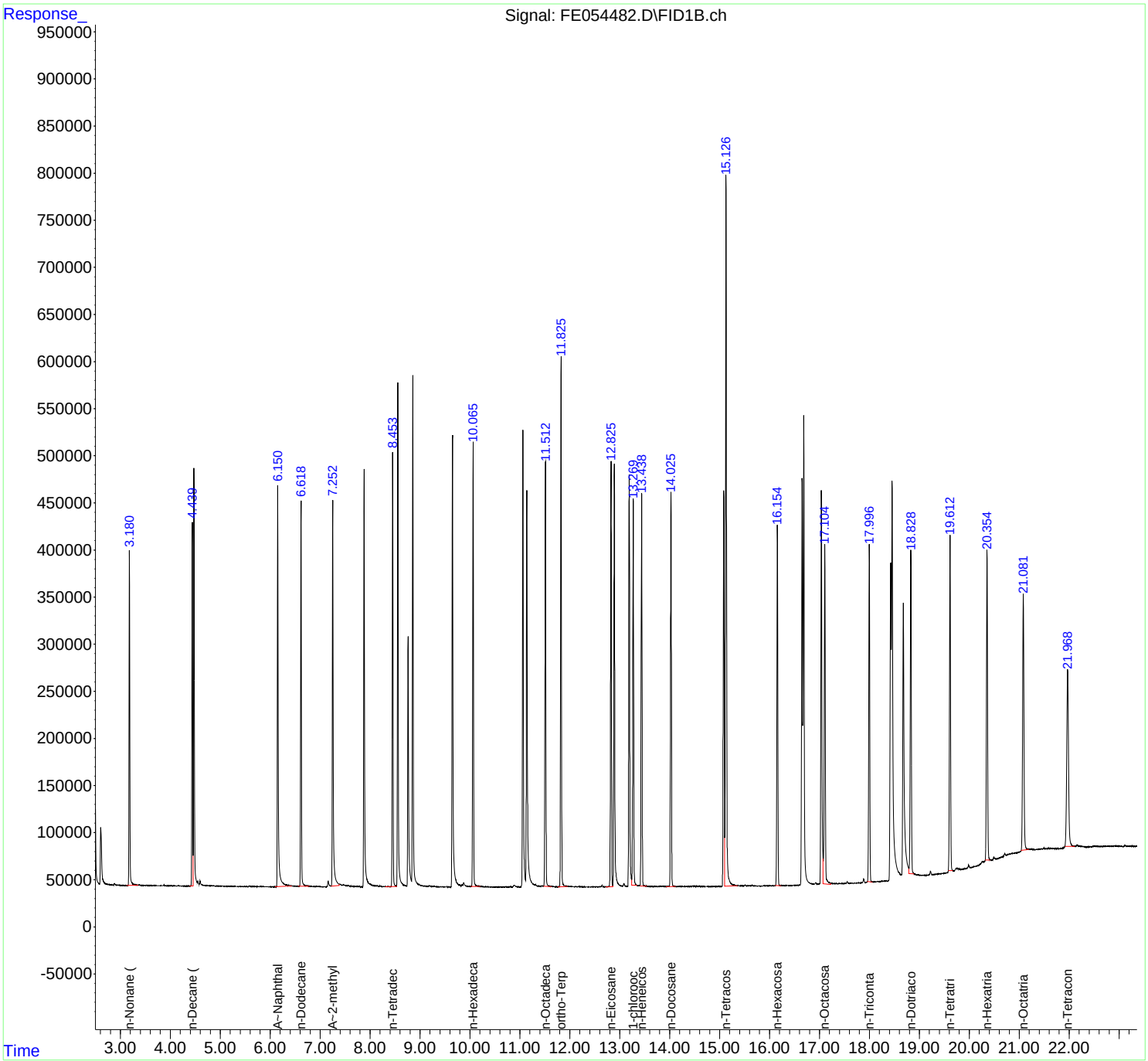
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061825AL\
Data File : FE054482.D
Signal(s) : FID1B.ch
Acq On : 18 Jun 2025 14:56
Operator : YP\AJ
Sample : PB168533BSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jun 19 01:34:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.
Quant Title : GC Extractables
QLast Update : Tue Jun 10 07:24:04 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Instrument :
FID_E
ClientSampleId :
PB168533BSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/19/2025
Supervised By :mohammad ahmed 06/20/2025



5

Instrument :
FID_E
ClientSampleId :
PB168533BSD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/19/2025
Supervised By :mohammad ahmed 06/20/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE06182
Data File : FE054482.D
Signal(s) : FID1B.ch
Acq On : 18 Jun 2025 14:56
Sample : PB168533BSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.180	3.117	3.357	BB	355342	3760866	33.39%	1.872%
2	4.439	4.384	4.456	BV	386285	3887034	34.51%	1.935%
3	4.473	4.456	4.536	VV	443507	4776432	42.41%	2.377%
4	6.151	6.094	6.432	BB	425024	5139364	45.63%	2.558%
5	6.618	6.554	6.789	BB	410088	4365128	38.76%	2.173%
6	7.252	7.220	7.380	PV	408533	4949068	43.94%	2.463%
7	8.453	8.309	8.530	BV	460000	4949539	43.95%	2.464%
8	8.557	8.530	8.737	VV	534033	5899435	52.38%	2.936%
9	8.857	8.830	9.124	VB	543389	6197765	55.03%	3.085%
10	9.651	9.595	9.825	BV	481425	6082307	54.00%	3.027%
11	10.065	10.020	10.210	BB	471860	5317220	47.21%	2.647%
12	11.062	10.984	11.115	BV	484259	5754099	51.09%	2.864%
13	11.140	11.115	11.297	VV	420336	5880659	52.21%	2.927%
14	11.512	11.470	11.640	BB	449654	5383462	47.80%	2.680%
15	11.826	11.759	11.955	BV	562411	6448800	57.26%	3.210%
16	12.825	12.719	12.859	BV	452063	5521968	49.03%	2.749%
17	12.891	12.859	13.059	VV	447807	5748138	51.04%	2.861%
18	13.189	13.145	13.230	BBA	432196	5387735	47.84%	2.682%
19	13.270	13.230	13.402	BV	405700	4733777	42.03%	2.356%
20	13.438	13.402	13.544	PB	417676	5264820	46.74%	2.621%
21	14.025	13.932	14.120	BB	418326	5204721	46.21%	2.591%
22	15.081	14.932	15.101	BV	419341	5414134	48.07%	2.695%
23	15.126	15.101	15.360	VB	752028	11262880	100.00%	5.606%
24	16.155	16.110	16.229	BB	380234	4985341	44.26%	2.481%
25	16.651	16.554	16.666	BV	433009	5875951	52.17%	2.925%
26	16.684	16.666	16.895	VV	498955	6717725	59.64%	3.344%
27	17.036	17.002	17.070	PBA	405103	5367013	47.65%	2.671%
28	17.105	17.070	17.304	BB	333950	3509406	31.16%	1.747%
29	17.996	17.960	18.059	BB	355208	4946966	43.92%	2.462%
30	18.424	18.084	18.436	BV	334103	4527191	40.20%	2.253%
31	18.453	18.436	18.640	VV	421743	7943114	70.52%	3.954%
32	18.678	18.640	18.790	PBA	287009	5343165	47.44%	2.660%
33	18.828	18.790	18.967	BV	339960	4871698	43.25%	2.425%
34	19.613	19.580	19.688	BV	353623	5027538	44.64%	2.502%
35	20.354	20.320	20.437	BV	328759	4976852	44.19%	2.477%
36	21.080	21.040	21.199	BV	271808	4957644	44.02%	2.468%

Page 1

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Instrument :
FID_E
ClientSampleId :
PB168533BSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/19/2025
Supervised By :mohammad ahmed 06/20/2025

A B C D E F G H I J

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                                        rteres
  37 21.969  21.920  22.107  BV   186181   4523143  40.16%  2.251%
                        Sum of corrected areas:   2009

Aliphatic EPH 061025.M Thu Jun 19 02:19:56 2025
```

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061825AL\
Data File : FE054490.D
Signal(s) : FID1B.ch
Acq On : 18 Jun 2025 18:59
Operator : YP\AJ
Sample : Q2347-01MS
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jun 19 01:36:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.M
Quant Title : GC Extractables
QLast Update : Tue Jun 10 07:24:04 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Instrument :
FID_E
ClientSampleId :
TP-10MS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/19/2025
Supervised By :mohammad ahmed 06/20/2025

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) S	ortho-Terphenyl (SURR)	11.824	6101299	36.925 ug/ml
Spiked Amount	50.000		Recovery =	73.85%
12) S	1-chlorooctadecane (S...	13.268	4917618	40.325 ug/mlm
Spiked Amount	50.000		Recovery =	80.65%
	Target Compounds			
1) T	n-Nonane (C9)	3.174	3747257	30.176 ug/ml
2) T	n-Decane (C10)	4.436	4056828	32.650 ug/ml
3) T	A~Naphthalene (C11.7)	6.149	5255864	38.892 ug/ml
4) T	n-Dodecane (C12)	6.617	4475984	35.152 ug/ml
5) T	A~2-methylnaphthalene...	7.252	4976543	37.572 ug/ml
6) T	n-Tetradecane (C14)	8.453	4917013	37.980 ug/ml
7) T	n-Hexadecane (C16)	10.064	5381168	40.509 ug/mlm
8) T	n-Octadecane (C18)	11.511	5611420	41.556 ug/ml
10) T	n-Eicosane (C20)	12.824	5860823	43.810 ug/ml
11) T	n-Heneicosane (C21)	13.436	5605780	42.159 ug/ml
13) T	n-Docosane (C22)	14.024	5564056	42.434 ug/ml
14) T	n-Tetracosane (C24)	15.125	12055015	93.454 ug/ml
15) T	n-Hexacosane (C26)	16.153	5350600	42.624 ug/ml
16) T	n-Octacosane (C28)	17.104	5563790	45.370 ug/mlm
17) T	n-Tricontane (C30)	17.995	5266068	42.488 ug/ml
18) T	n-Dotriacontane (C32)	18.827	5300450	42.186 ug/ml
19) T	n-Tetratriacontane (C34)	19.612	5429588	43.644 ug/mlm
20) T	n-Hexatriacontane (C36)	20.353	5522392	42.899 ug/ml
21) T	n-Octatriacontane (C38)	21.080	5740269	43.473 ug/ml
22) T	n-Tetracontane (C40)	21.966	5682754	42.186 ug/mlm

(f)=RT Delta > 1/2 Window (m)=manual int.

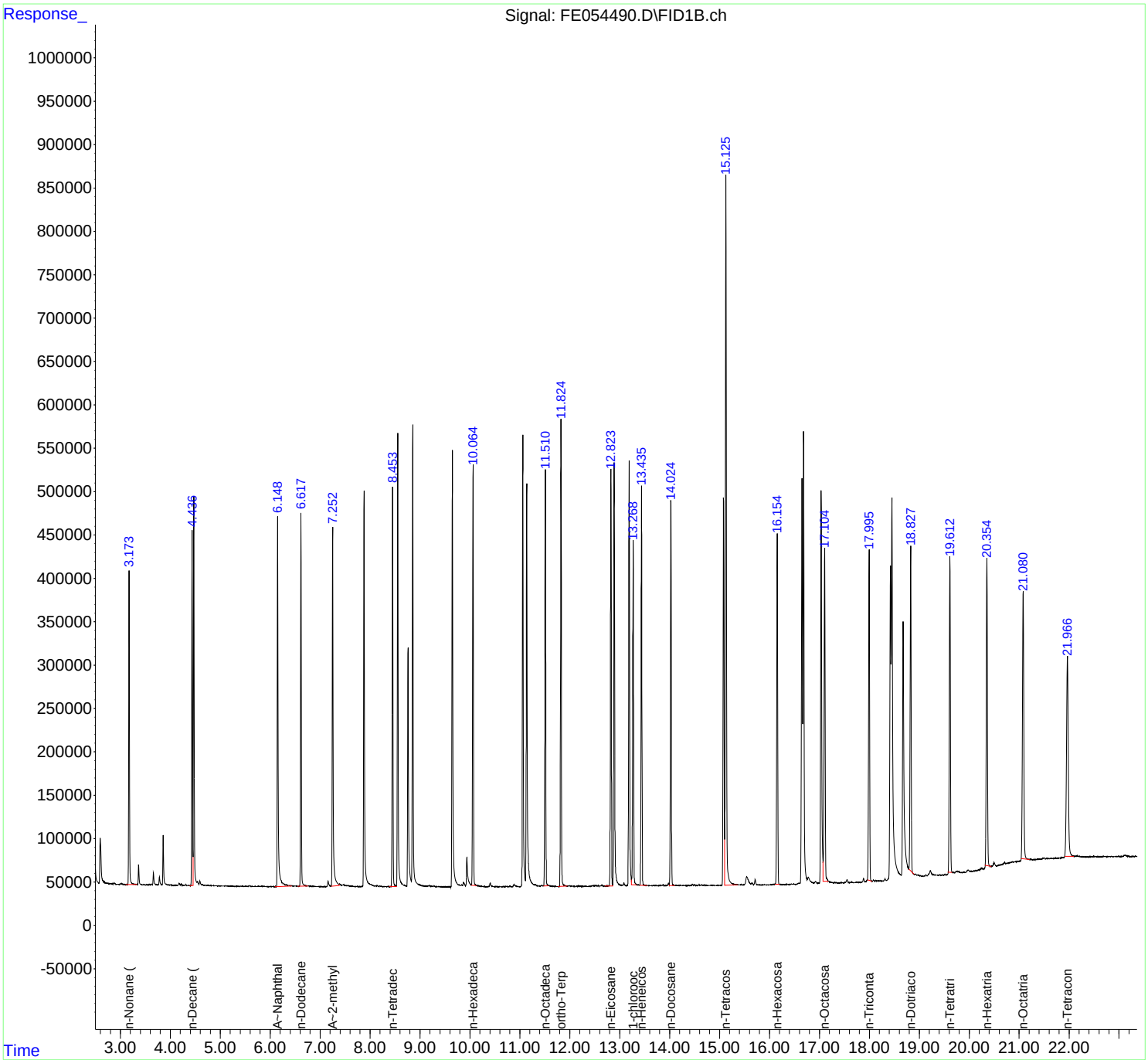
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061825AL\
Data File : FE054490.D
Signal(s) : FID1B.ch
Acq On : 18 Jun 2025 18:59
Operator : YP\AJ
Sample : Q2347-01MS
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
TP-10MS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/19/2025
Supervised By :mohammad ahmed 06/20/2025

Integration File: autoint1.e
Quant Time: Jun 19 01:36:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.
Quant Title : GC Extractables
QLast Update : Tue Jun 10 07:24:04 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um



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Instrument :
FID_E
ClientSampleId :
TP-10MS

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/19/2025
Supervised By :mohammad ahmed 06/20/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE06182
Data File : FE054490.D
Signal(s) : FID1B.ch
Acq On : 18 Jun 2025 18:59
Sample : Q2347-01MS
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.873	2.821	2.993	BV	1694	19314	0.14%	0.008%
2	3.012	2.993	3.104	PV	1505	31690	0.23%	0.014%
3	3.174	3.104	3.288	PV	359477	3763546	26.81%	1.637%
4	3.297	3.288	3.306	VV	719	6676	0.05%	0.003%
5	3.313	3.306	3.345	VV	689	12335	0.09%	0.005%
6	3.365	3.345	3.457	VV	23109	259216	1.85%	0.113%
7	3.469	3.457	3.505	VV	349	7417	0.05%	0.003%
8	3.524	3.505	3.556	VV	446	7032	0.05%	0.003%
9	3.582	3.556	3.605	VV	649	9534	0.07%	0.004%
10	3.627	3.605	3.641	VV	1022	12152	0.09%	0.005%
11	3.662	3.641	3.754	VV	14150	189433	1.35%	0.082%
12	3.782	3.754	3.838	VV	9459	135848	0.97%	0.059%
13	3.857	3.838	3.959	VV	56248	653277	4.65%	0.284%
14	3.966	3.959	3.994	VV	608	10112	0.07%	0.004%
15	4.007	3.994	4.107	VV	496	13701	0.10%	0.006%
16	4.118	4.107	4.143	PV	75	825	0.01%	0.000%
17	4.176	4.143	4.198	VV	2774	42765	0.30%	0.019%
18	4.213	4.198	4.285	VV	1869	34289	0.24%	0.015%
19	4.309	4.285	4.352	VV	889	13930	0.10%	0.006%
20	4.370	4.352	4.404	VV	265	4514	0.03%	0.002%
21	4.436	4.404	4.453	VV	406523	4059852	28.93%	1.766%
22	4.470	4.453	4.532	VV	445760	4785296	34.09%	2.082%
23	4.546	4.532	4.575	VV	5140	89764	0.64%	0.039%
24	4.592	4.575	4.705	VV	5604	137979	0.98%	0.060%
25	4.720	4.705	4.732	VV	775	11854	0.08%	0.005%
26	4.738	4.732	4.855	VV	727	33912	0.24%	0.015%
27	4.861	4.855	4.871	VV	338	3338	0.02%	0.001%
28	4.874	4.871	4.921	VV	429	9346	0.07%	0.004%
29	4.936	4.921	5.086	VV	397	23779	0.17%	0.010%
30	5.103	5.086	5.112	VV	324	3320	0.02%	0.001%
31	5.117	5.112	5.136	VV	270	3179	0.02%	0.001%
32	5.147	5.136	5.245	VV	259	10207	0.07%	0.004%
33	5.257	5.245	5.272	VV	174	1547	0.01%	0.001%
34	5.282	5.272	5.335	VV	103	2550	0.02%	0.001%
35	5.354	5.335	5.391	PV	111	2042	0.01%	0.001%
36	5.437	5.391	5.557	VV	279	11129	0.08%	0.005%

Instrument :
FID_E
ClientSampleId :
TP-10MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/19/2025
Supervised By :mohammad ahmed 06/20/2025

rteres

37	5.583	5.557	5.661	PV	896	14566	0.10%	0.006%
38	5.700	5.661	5.809	VV	157	9873		
39	5.836	5.809	5.965	VV	263	12192		
40	5.983	5.965	6.019	VV	119	2326		
41	6.044	6.019	6.114	PV	127	2882		
42	6.150	6.114	6.577	PV	416758	5412714	38	
43	6.617	6.577	6.758	VV	432222	4548241	32.40%	1.979%
44	6.771	6.758	7.008	VV	973	61166	0.44%	0.027%
45	7.046	7.008	7.115	VV	243	9642	0.07%	0.004%
46	7.162	7.115	7.221	VV	6335	121064	0.86%	0.053%
47	7.252	7.221	7.438	VV	411454	5154856	36.73%	2.243%
48	7.464	7.438	7.555	VV	2401	116424	0.83%	0.051%
49	7.567	7.555	7.717	VV	1782	67251	0.48%	0.029%
50	7.741	7.717	7.820	VV	582	15940	0.11%	0.007%
51	8.141	8.125	8.181	VV	1733	34078	0.24%	0.015%
52	8.198	8.181	8.288	VV	1129	31960	0.23%	0.014%
53	8.302	8.288	8.335	VV	363	9136	0.07%	0.004%
54	8.357	8.335	8.413	VV	567	16996	0.12%	0.007%
55	8.453	8.413	8.528	VV	458212	4940381	35.20%	2.149%
56	8.556	8.528	8.735	VV	515936	5873128	41.84%	2.555%
57	8.856	8.828	9.062	VV	529627	6253004	44.55%	2.721%
58	9.076	9.062	9.147	VV	1323	52317	0.37%	0.023%
59	9.188	9.147	9.253	VV	1532	57528	0.41%	0.025%
60	9.282	9.253	9.451	VV	1385	45066	0.32%	0.020%
61	9.468	9.451	9.495	VV	167	3191	0.02%	0.001%
62	9.530	9.495	9.565	PV	155	3946	0.03%	0.002%
63	9.650	9.565	9.821	VV	503636	6209319	44.24%	2.702%
64	9.876	9.821	9.916	VV	4802	151770	1.08%	0.066%
65	9.942	9.916	10.030	VV	31874	683050	4.87%	0.297%
66	10.063	10.030	10.342	VV	475022	5577693	39.74%	2.427%
67	10.407	10.342	10.524	VV	4083	93802	0.67%	0.041%
68	10.541	10.524	10.574	VV	283	5458	0.04%	0.002%
69	10.596	10.574	10.642	VV	186	4102	0.03%	0.002%
70	10.684	10.642	10.705	VV	365	6541	0.05%	0.003%
71	10.731	10.705	10.750	VV	327	6731	0.05%	0.003%
72	10.805	10.750	10.840	VV	843	17977	0.13%	0.008%
73	10.886	10.840	11.003	PV	2234	68311	0.49%	0.030%
74	11.061	11.003	11.107	PV	507320	6069081	43.24%	2.641%
75	11.139	11.107	11.407	VV	449513	6485087	46.20%	2.822%
76	11.441	11.407	11.467	VV	1505	36656	0.26%	0.016%
77	11.510	11.467	11.646	VV	470256	5706747	40.66%	2.483%
78	11.662	11.646	11.685	VV	467	8259	0.06%	0.004%
79	11.703	11.685	11.780	VV	379	10420	0.07%	0.005%
80	11.824	11.780	11.950	PV	523609	6138987	43.74%	2.671%
81	11.964	11.950	12.095	VV	790	44779	0.32%	0.019%
82	12.113	12.095	12.137	VV	332	5774	0.04%	0.003%
83	12.180	12.137	12.216	VV	892	16424	0.12%	0.007%
84	12.239	12.216	12.250	VV	220	3216	0.02%	0.001%
85	12.273	12.250	12.318	VV	374	6136	0.04%	0.003%
86	12.380	12.318	12.407	PV	240	3191	0.02%	0.001%
87	12.453	12.407	12.479	VV	1112	24627	0.18%	0.011%
88	12.499	12.479	12.616	VV	988	52014	0.37%	0.023%
89	12.644	12.616	12.713	VV	1800	36454	0.26%	0.016%

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Instrument :
FID_E
ClientSampleId :
TP-10MS

rteres

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/19/2025
Supervised By :mohammad ahmed 06/20/2025

90	12.750	12.713	12.780	VV	515	16474	0.12%	0.007%
91	12.823	12.780	12.856	VV	479656	5865763	41	
92	12.889	12.856	13.056	VV	486794	6239718	44	
93	13.083	13.056	13.156	VV	3877	84521	0	
94	13.188	13.156	13.233	VV	488498	6076259	43	
95	13.268	13.233	13.394	VV	395875	5065762	36	
96	13.436	13.394	13.612	VV	457511	5692375	40.56%	2.477%
97	13.660	13.612	13.760	VV	476	30618	0.22%	0.013%
98	13.863	13.760	13.904	VV	1189	45769	0.33%	0.020%
99	14.024	13.904	14.121	VV	432605	5646062	40.23%	2.456%
100	14.136	14.121	14.180	VV	518	12885	0.09%	0.006%
101	14.206	14.180	14.264	VV	843	20045	0.14%	0.009%
102	14.290	14.264	14.363	VV	256	10061	0.07%	0.004%
103	14.383	14.363	14.415	VV	478	8729	0.06%	0.004%
104	14.459	14.415	14.557	VV	1471	53009	0.38%	0.023%
105	14.587	14.557	14.610	VV	952	15879	0.11%	0.007%
106	14.645	14.610	14.767	VV	767	37452	0.27%	0.016%
107	14.876	14.767	14.918	VV	400	14734	0.10%	0.006%
108	14.976	14.918	15.043	PV	231	8186	0.06%	0.004%
109	15.078	15.043	15.099	VV	441018	5855055	41.72%	2.547%
110	15.125	15.099	15.306	VV	798697	12109819	86.28%	5.269%
111	15.320	15.306	15.410	VV	1102	46595	0.33%	0.020%
112	15.429	15.410	15.478	VV	764	21459	0.15%	0.009%
113	15.545	15.478	15.626	VV	9595	375499	2.68%	0.163%
114	15.648	15.626	15.681	VV	2459	53160	0.38%	0.023%
115	15.711	15.681	15.807	VV	6319	105987	0.76%	0.046%
116	15.831	15.807	15.852	VV	218	3493	0.02%	0.002%
117	15.896	15.852	15.936	VV	192	6219	0.04%	0.003%
118	15.957	15.936	15.992	VV	133	2948	0.02%	0.001%
119	16.069	15.992	16.087	VV	392	11932	0.09%	0.005%
120	16.153	16.087	16.263	VV	401432	5393634	38.43%	2.347%
121	16.283	16.263	16.303	VV	137	1868	0.01%	0.001%
122	16.355	16.303	16.409	PV	362	13079	0.09%	0.006%
123	16.441	16.409	16.465	PV	725	11156	0.08%	0.005%
124	16.484	16.465	16.520	VV	262	5654	0.04%	0.002%
125	16.681	16.520	16.754	PV	527029	13438232	95.74%	5.847%
126	16.777	16.754	16.890	VV	7977	305080	2.17%	0.133%
127	16.921	16.890	16.965	VV	2786	70737	0.50%	0.031%
128	17.034	16.965	17.071	VV	442311	6408329	45.66%	2.788%
129	17.103	17.071	17.377	VV	388120	5834789	41.57%	2.539%
130	17.431	17.377	17.470	VV	517	16029	0.11%	0.007%
131	17.551	17.470	17.596	VV	3662	70757	0.50%	0.031%
132	17.638	17.596	17.682	VV	572	11777	0.08%	0.005%
133	17.754	17.682	17.802	PV	366	9822	0.07%	0.004%
134	17.883	17.802	17.916	PV	4241	61654	0.44%	0.027%
135	17.994	17.916	18.054	VV	381152	5372989	38.28%	2.338%
136	18.083	18.054	18.106	VV	1892	32238	0.23%	0.014%
137	18.129	18.106	18.150	VV	1196	19897	0.14%	0.009%
138	18.168	18.150	18.195	VV	685	13683	0.10%	0.006%
139	18.217	18.195	18.276	VV	564	12184	0.09%	0.005%
140	18.313	18.276	18.342	PV	2102	32801	0.23%	0.014%
141	18.450	18.342	18.634	VV	437378	14035695	100.00%	6.107%

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Instrument :
FID_E
ClientSampleId :
TP-10MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/19/2025
Supervised By :mohammad ahmed 06/20/2025

A B C D E F G H I J

rteres

142	18.677	18.634	18.790	VV	288892	6093930	43.42%	2.651%
143	18.826	18.790	19.070	VV	387351	6066832	43	
144	19.222	19.070	19.390	VV	6724	361880	2	
145	19.417	19.390	19.448	VV	707	13506	0	
146	19.612	19.448	19.699	PV	357418	5576498	39	
147	19.763	19.699	19.853	VV	2138	125009	0	
148	19.979	19.853	20.034	VV	2085	66378	0.47%	0.029%
149	20.253	20.034	20.281	VV	1987	114243	0.81%	0.050%
150	20.353	20.281	20.444	VV	352864	5879643	41.89%	2.558%
151	20.499	20.444	20.547	VV	6589	264593	1.89%	0.115%
152	21.079	20.547	21.296	VV	315399	8042274	57.30%	3.499%
153	21.493	21.296	21.543	VV	5176	685275	4.88%	0.298%
154	21.966	21.543	22.116	VV	232533	6840795	48.74%	2.976%
155	22.157	22.116	22.403	VV	2956	244378	1.74%	0.106%

Sum of corrected areas: 229842959

Aliphatic EPH 061025.M Thu Jun 19 02:30:57 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061825AL\
Data File : FE054491.D
Signal(s) : FID1B.ch
Acq On : 18 Jun 2025 19:30
Operator : YP\AJ
Sample : Q2347-01MSD
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jun 19 01:37:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.M
Quant Title : GC Extractables
QLast Update : Tue Jun 10 07:24:04 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Instrument :
FID_E
ClientSampleId :
TP-10MSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/19/2025
Supervised By :mohammad ahmed 06/20/2025

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) S	ortho-Terphenyl (SURR)	11.824	6047855	36.601 ug/ml
Spiked Amount	50.000		Recovery =	73.20%
12) S	1-chlorooctadecane (S...	13.268	4884692	40.055 ug/mlm
Spiked Amount	50.000		Recovery =	80.11%
	Target Compounds			
1) T	n-Nonane (C9)	3.174	3723833	29.987 ug/ml
2) T	n-Decane (C10)	4.436	4021548	32.366 ug/ml
3) T	A~Naphthalene (C11.7)	6.149	5230099	38.701 ug/ml
4) T	n-Dodecane (C12)	6.617	4458267	35.013 ug/ml
5) T	A~2-methylnaphthalene...	7.251	4953321	37.397 ug/ml
6) T	n-Tetradecane (C14)	8.453	4898684	37.838 ug/ml
7) T	n-Hexadecane (C16)	10.064	5355865	40.319 ug/ml
8) T	n-Octadecane (C18)	11.511	5572864	41.270 ug/ml
10) T	n-Eicosane (C20)	12.824	5804126	43.387 ug/ml
11) T	n-Heneicosane (C21)	13.437	5540267	41.666 ug/ml
13) T	n-Docosane (C22)	14.023	5505238	41.986 ug/ml
14) T	n-Tetracosane (C24)	15.124	11898176	92.238 ug/ml
15) T	n-Hexacosane (C26)	16.153	5278042	42.046 ug/ml
16) T	n-Octacosane (C28)	17.103	5523871	45.045 ug/mlm
17) T	n-Tricontane (C30)	17.994	5192210	41.892 ug/ml
18) T	n-Dotriacontane (C32)	18.826	5230453	41.629 ug/ml
19) T	n-Tetratriacontane (C34)	19.610	5315465	42.727 ug/ml
20) T	n-Hexatriacontane (C36)	20.352	5516715	42.855 ug/mlm
21) T	n-Octatriacontane (C38)	21.079	5740169	43.472 ug/ml
22) T	n-Tetracontane (C40)	21.965	5680805	42.172 ug/mlm

(f)=RT Delta > 1/2 Window (m)=manual int.

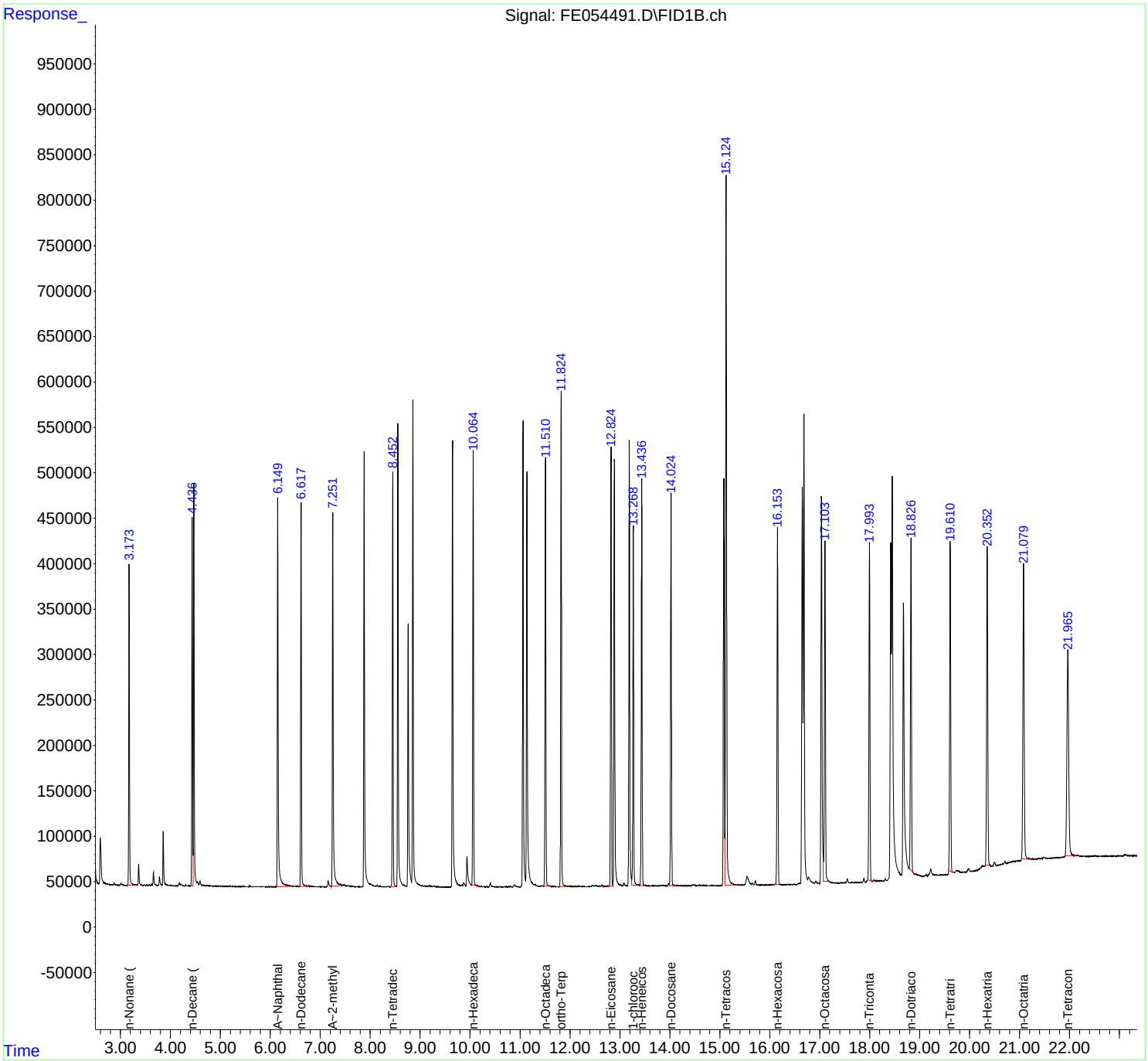
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061825AL\
Data File : FE054491.D
Signal(s) : FID1B.ch
Acq On : 18 Jun 2025 19:30
Operator : YP\AJ
Sample : Q2347-01MSD
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
TP-10MSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/19/2025
Supervised By :mohammad ahmed 06/20/2025

Integration File: autoint1.e
Quant Time: Jun 19 01:37:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.
Quant Title : GC Extractables
QLast Update : Tue Jun 10 07:24:04 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um



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Instrument :
FID_E
ClientSampleId :
TP-10MSD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/19/2025
Supervised By :mohammad ahmed 06/20/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE06182
Data File : FE054491.D
Signal(s) : FID1B.ch
Acq On : 18 Jun 2025 19:30
Sample : Q2347-01MSD
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.874	2.821	2.996	BV	1673	21883	0.18%	0.010%
2	3.013	2.996	3.094	PV	1461	31362	0.26%	0.014%
3	3.109	3.094	3.144	VV	171	2020	0.02%	0.001%
4	3.174	3.144	3.338	PV	352504	3760167	31.32%	1.640%
5	3.365	3.338	3.454	VV	23664	273845	2.28%	0.119%
6	3.482	3.454	3.501	VV	460	9552	0.08%	0.004%
7	3.525	3.501	3.554	VV	498	10020	0.08%	0.004%
8	3.582	3.554	3.604	VV	746	11700	0.10%	0.005%
9	3.627	3.604	3.640	VV	1168	14575	0.12%	0.006%
10	3.662	3.640	3.754	VV	14603	203459	1.69%	0.089%
11	3.782	3.754	3.838	VV	9931	145136	1.21%	0.063%
12	3.857	3.838	3.962	VV	58747	684765	5.70%	0.299%
13	3.973	3.962	3.996	VV	682	11675	0.10%	0.005%
14	4.008	3.996	4.114	VV	679	18600	0.15%	0.008%
15	4.176	4.114	4.197	VV	2884	48070	0.40%	0.021%
16	4.212	4.197	4.285	VV	2092	40432	0.34%	0.018%
17	4.309	4.285	4.341	VV	991	14208	0.12%	0.006%
18	4.371	4.341	4.401	VV	326	6412	0.05%	0.003%
19	4.436	4.401	4.453	VV	405251	4034456	33.61%	1.760%
20	4.470	4.453	4.532	VV	439372	4772013	39.75%	2.082%
21	4.546	4.532	4.572	VV	5139	86815	0.72%	0.038%
22	4.592	4.572	4.707	VV	5591	143017	1.19%	0.062%
23	4.720	4.707	4.788	VV	757	29058	0.24%	0.013%
24	4.800	4.788	4.879	VV	495	20206	0.17%	0.009%
25	4.898	4.879	4.924	VV	363	8590	0.07%	0.004%
26	4.942	4.924	4.955	VV	370	5530	0.05%	0.002%
27	4.978	4.955	5.014	VV	291	7806	0.07%	0.003%
28	5.023	5.014	5.088	VV	260	6777	0.06%	0.003%
29	5.107	5.088	5.140	VV	261	6042	0.05%	0.003%
30	5.147	5.140	5.156	VV	202	1580	0.01%	0.001%
31	5.161	5.156	5.171	VV	176	1216	0.01%	0.001%
32	5.175	5.171	5.199	VV	159	2025	0.02%	0.001%
33	5.207	5.199	5.224	VV	275	1718	0.01%	0.001%
34	5.231	5.224	5.267	VV	147	2067	0.02%	0.001%
35	5.288	5.267	5.361	VV	98	2202	0.02%	0.001%
36	5.437	5.361	5.552	PV	305	10924	0.09%	0.005%

Page 1

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Instrument :
FID_E
ClientSampleId :
TP-10MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/19/2025
Supervised By :mohammad ahmed 06/20/2025

A B C D E F G H I J

					rteres			
37	5.583	5.552	5.691	PV	980	16247	0.14%	0.007%
38	5.706	5.691	5.729	VV	129	2029		
39	5.758	5.729	5.766	VV	188	2616		
40	5.777	5.766	5.804	VV	174	2883		
41	5.837	5.804	5.878	VV	253	7425		
42	5.883	5.878	5.909	VV	198	2131		
43	5.914	5.909	5.961	VV	131	3273	0.03%	0.001%
44	5.975	5.961	5.986	VV	108	1380	0.01%	0.001%
45	5.993	5.986	6.024	VV	142	1898	0.02%	0.001%
46	6.029	6.024	6.035	VV	108	513	0.00%	0.000%
47	6.064	6.035	6.078	VV	117	2165	0.02%	0.001%
48	6.095	6.078	6.118	PV	116	1981	0.02%	0.001%
49	6.149	6.118	6.478	VV	426864	5363400	44.68%	2.340%
50	6.485	6.478	6.565	VV	892	38766	0.32%	0.017%
51	6.573	6.565	6.582	VV	578	5710	0.05%	0.002%
52	6.617	6.582	6.754	VV	422769	4530699	37.74%	1.976%
53	6.769	6.754	6.932	VV	1002	61174	0.51%	0.027%
54	6.941	6.932	7.028	VV	378	14804	0.12%	0.006%
55	7.054	7.028	7.101	VV	255	9045	0.08%	0.004%
56	7.161	7.101	7.218	VV	6579	123711	1.03%	0.054%
57	7.251	7.218	7.382	VV	410000	5058783	42.14%	2.207%
58	7.394	7.382	7.438	VV	3050	80640	0.67%	0.035%
59	7.461	7.438	7.520	VV	2345	91514	0.76%	0.040%
60	7.534	7.520	7.551	VV	1484	25177	0.21%	0.011%
61	7.568	7.551	7.610	VV	1804	38863	0.32%	0.017%
62	7.625	7.610	7.717	VV	824	33597	0.28%	0.015%
63	7.740	7.717	7.819	VV	619	17929	0.15%	0.008%
64	8.018	8.008	8.121	VV	3140	111906	0.93%	0.049%
65	8.142	8.121	8.180	VV	1761	36892	0.31%	0.016%
66	8.199	8.180	8.255	VV	1180	27182	0.23%	0.012%
67	8.274	8.255	8.282	VV	372	5152	0.04%	0.002%
68	8.302	8.282	8.322	VV	435	8321	0.07%	0.004%
69	8.355	8.322	8.401	VV	524	16967	0.14%	0.007%
70	8.453	8.401	8.526	VV	456457	4923860	41.02%	2.148%
71	8.556	8.526	8.738	VV	506450	5835362	48.61%	2.545%
72	8.856	8.828	9.069	VV	537468	6222919	51.84%	2.715%
73	9.080	9.069	9.138	VV	1284	41863	0.35%	0.018%
74	9.189	9.138	9.261	VV	1498	64243	0.54%	0.028%
75	9.281	9.261	9.312	VV	1436	24499	0.20%	0.011%
76	9.321	9.312	9.351	VV	390	6203	0.05%	0.003%
77	9.367	9.351	9.447	VV	268	8938	0.07%	0.004%
78	9.459	9.447	9.497	VV	173	3036	0.03%	0.001%
79	9.525	9.497	9.535	PV	74	1221	0.01%	0.001%
80	9.546	9.535	9.561	VV	101	988	0.01%	0.000%
81	9.576	9.561	9.601	VV	159	1948	0.02%	0.001%
82	9.650	9.601	9.824	VV	488664	6156627	51.29%	2.686%
83	9.839	9.824	9.853	VV	2503	34573	0.29%	0.015%
84	9.873	9.853	9.918	VV	4874	111494	0.93%	0.049%
85	9.940	9.918	10.029	VV	33142	674961	5.62%	0.294%
86	10.064	10.029	10.310	VV	481101	5546185	46.20%	2.419%
87	10.324	10.310	10.341	VV	350	4970	0.04%	0.002%
88	10.358	10.341	10.374	VV	307	5400	0.04%	0.002%
89	10.406	10.374	10.524	VV	4251	87986	0.73%	0.038%

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Instrument :
FID_E
ClientSampleId :
TP-10MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/19/2025
Supervised By :mohammad ahmed 06/20/2025

A B C D E F G H I J

rteres

90	10.541	10.524	10.574	VV	263	5258	0.04%	0.002%
91	10.593	10.574	10.636	VV	219	4843		
92	10.684	10.636	10.702	VV	308	6132		
93	10.730	10.702	10.751	VV	292	6409		
94	10.766	10.751	10.788	VV	279	5185		
95	10.804	10.788	10.843	VV	869	12421		
96	10.884	10.843	10.988	PV	2247	69679	0.58%	0.030%
97	10.995	10.988	11.005	PV	36	395	0.00%	0.000%
98	11.061	11.005	11.114	PV	511654	6042286	50.34%	2.636%
99	11.139	11.114	11.296	VV	455255	6302457	52.50%	2.749%
100	11.311	11.296	11.406	VV	2701	87546	0.73%	0.038%
101	11.439	11.406	11.468	VV	1504	38449	0.32%	0.017%
102	11.511	11.468	11.574	VV	472755	5629964	46.90%	2.456%
103	11.586	11.574	11.647	VV	1301	34054	0.28%	0.015%
104	11.662	11.647	11.684	VV	420	7305	0.06%	0.003%
105	11.702	11.684	11.721	VV	354	5893	0.05%	0.003%
106	11.735	11.721	11.748	VV	222	2906	0.02%	0.001%
107	11.751	11.748	11.786	VV	200	2930	0.02%	0.001%
108	11.824	11.786	11.948	VV	543045	6082802	50.67%	2.653%
109	11.966	11.948	11.979	VV	854	13828	0.12%	0.006%
110	11.992	11.979	12.025	VV	758	17347	0.14%	0.008%
111	12.030	12.025	12.094	VV	542	15120	0.13%	0.007%
112	12.116	12.094	12.138	VV	396	7275	0.06%	0.003%
113	12.181	12.138	12.210	VV	992	18582	0.15%	0.008%
114	12.238	12.210	12.252	VV	268	4729	0.04%	0.002%
115	12.271	12.252	12.354	VV	472	9123	0.08%	0.004%
116	12.378	12.354	12.414	PV	293	4925	0.04%	0.002%
117	12.451	12.414	12.480	VV	1230	29630	0.25%	0.013%
118	12.497	12.480	12.518	VV	1064	19808	0.17%	0.009%
119	12.527	12.518	12.544	VV	1020	13429	0.11%	0.006%
120	12.558	12.544	12.586	VV	743	16150	0.13%	0.007%
121	12.644	12.586	12.712	VV	1852	49706	0.41%	0.022%
122	12.761	12.712	12.783	VV	637	20089	0.17%	0.009%
123	12.824	12.783	12.857	VV	484323	5814399	48.44%	2.536%
124	12.889	12.857	13.052	VV	470513	6166601	51.37%	2.690%
125	13.082	13.052	13.153	VV	3828	89640	0.75%	0.039%
126	13.187	13.153	13.235	VV	490659	6014699	50.11%	2.624%
127	13.268	13.235	13.364	VV	395571	4984475	41.52%	2.174%
128	13.378	13.364	13.397	VV	1474	25933	0.22%	0.011%
129	13.437	13.397	13.624	VV	445945	5640710	46.99%	2.461%
130	13.658	13.624	13.688	VV	588	17825	0.15%	0.008%
131	13.697	13.688	13.764	VV	415	14489	0.12%	0.006%
132	13.783	13.764	13.794	VV	440	6281	0.05%	0.003%
133	13.812	13.794	13.829	VV	771	11841	0.10%	0.005%
134	13.863	13.829	13.899	VV	1256	27995	0.23%	0.012%
135	13.918	13.899	13.941	VV	437	9406	0.08%	0.004%
136	13.976	13.941	13.991	VV	3109	46204	0.38%	0.020%
137	14.023	13.991	14.179	VV	434256	5545616	46.20%	2.419%
138	14.205	14.179	14.267	VV	917	21195	0.18%	0.009%
139	14.285	14.267	14.326	VV	312	7520	0.06%	0.003%
140	14.384	14.326	14.418	VV	482	13955	0.12%	0.006%
141	14.458	14.418	14.478	VV	1534	28699	0.24%	0.013%

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Instrument :
FID_E
ClientSampleId :
TP-10MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/19/2025
Supervised By :mohammad ahmed 06/20/2025

A B C D E F G H I J

					rteres			
142	14.492	14.478	14.564	VV	927	27569	0.23%	0.012%
143	14.585	14.564	14.607	VV	1073	16221		
144	14.642	14.607	14.771	VV	752	45282		
145	14.796	14.771	14.808	VV	241	3536		
146	14.832	14.808	14.848	VV	328	5740		
147	14.859	14.848	14.863	VV	341	2568		
148	14.874	14.863	14.902	VV	468	6408	0.05%	0.003%
149	14.910	14.902	14.921	VV	56	579	0.00%	0.000%
150	14.977	14.921	15.004	PV	283	6759	0.06%	0.003%
151	15.019	15.004	15.040	VV	182	2620	0.02%	0.001%
152	15.079	15.040	15.099	VV	447219	5814218	48.44%	2.536%
153	15.124	15.099	15.408	VV	781933	12003738	100.00%	5.236%
154	15.427	15.408	15.481	VV	776	22768	0.19%	0.010%
155	15.542	15.481	15.627	VV	9536	372109	3.10%	0.162%
156	15.647	15.627	15.683	VV	2536	52814	0.44%	0.023%
157	15.711	15.683	15.758	VV	4744	76030	0.63%	0.033%
158	15.772	15.758	15.810	VV	385	6866	0.06%	0.003%
159	15.893	15.810	15.944	VV	268	11813	0.10%	0.005%
160	15.967	15.944	16.001	VV	198	3497	0.03%	0.002%
161	16.072	16.001	16.090	PV	451	13013	0.11%	0.006%
162	16.153	16.090	16.199	VV	392522	5313526	44.27%	2.318%
163	16.212	16.199	16.264	VV	585	10453	0.09%	0.005%
164	16.286	16.264	16.306	VV	181	2122	0.02%	0.001%
165	16.353	16.306	16.408	PV	477	14041	0.12%	0.006%
166	16.438	16.408	16.459	VV	572	9045	0.08%	0.004%
167	16.493	16.459	16.518	VV	345	6626	0.06%	0.003%
168	16.600	16.518	16.609	PV	1248	33002	0.27%	0.014%
169	16.649	16.609	16.665	VV	434420	6253756	52.10%	2.728%
170	16.682	16.665	16.755	VV	514751	6987604	58.21%	3.048%
171	16.776	16.755	16.893	VV	7860	307512	2.56%	0.134%
172	16.921	16.893	16.966	VV	2889	71890	0.60%	0.031%
173	16.979	16.966	16.996	VV	1026	15840	0.13%	0.007%
174	17.033	16.996	17.073	VV	427070	6354045	52.93%	2.772%
175	17.103	17.073	17.298	VV	378327	5711148	47.58%	2.491%
176	17.313	17.298	17.373	VV	655	19912	0.17%	0.009%
177	17.430	17.373	17.483	VV	584	20915	0.17%	0.009%
178	17.551	17.483	17.601	VV	4707	86109	0.72%	0.038%
179	17.641	17.601	17.683	VV	621	14966	0.12%	0.007%
180	17.752	17.683	17.818	PV	422	11970	0.10%	0.005%
181	17.882	17.818	17.914	PV	4213	58153	0.48%	0.025%
182	17.994	17.914	18.057	VV	372440	5307895	44.22%	2.315%
183	18.082	18.057	18.107	VV	1909	31830	0.27%	0.014%
184	18.128	18.107	18.148	VV	1111	17548	0.15%	0.008%
185	18.166	18.148	18.198	VV	673	12670	0.11%	0.006%
186	18.217	18.198	18.248	VV	582	9663	0.08%	0.004%
187	18.267	18.248	18.278	VV	154	1608	0.01%	0.001%
188	18.312	18.278	18.344	PV	2110	31844	0.27%	0.014%
189	18.421	18.344	18.433	VV	371784	5278615	43.97%	2.303%
190	18.450	18.433	18.636	VV	443943	8843220	73.67%	3.858%
191	18.675	18.636	18.787	VV	303698	6261860	52.17%	2.732%
192	18.826	18.787	18.902	VV	370703	5753992	47.94%	2.510%
193	18.922	18.902	18.959	VV	4474	130024	1.08%	0.057%
194	18.974	18.959	19.060	VV	3110	125253	1.04%	0.055%

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Instrument :
FID_E
ClientSampleId :
TP-10MSD

rteres

195	19.131	19.060	19.153	VV	2296	77281	0.64%	0.034%
196	19.221	19.153	19.330	VV	8389	299178	2	
197	19.344	19.330	19.374	VV	919	21175	0	
198	19.417	19.374	19.441	VV	740	22151	0	
199	19.466	19.441	19.475	VV	389	5204	0	
200	19.482	19.475	19.493	VV	239	1739	0	
201	19.516	19.493	19.541	VV	426	6543	0.05%	0.003%
202	19.611	19.541	19.661	PV	365343	5484080	45.69%	2.392%
203	19.675	19.661	19.698	VV	2204	40543	0.34%	0.018%
204	19.734	19.698	19.828	VV	3417	177802	1.48%	0.078%
205	19.853	19.828	19.874	VV	782	20370	0.17%	0.009%
206	19.896	19.874	19.921	VV	630	14236	0.12%	0.006%
207	19.983	19.921	20.056	VV	3638	105206	0.88%	0.046%
208	20.092	20.056	20.100	VV	520	11051	0.09%	0.005%
209	20.256	20.100	20.300	VV	4845	282014	2.35%	0.123%
210	20.352	20.300	20.457	VV	354863	5929838	49.40%	2.587%
211	20.499	20.457	20.544	VV	7087	249748	2.08%	0.109%
212	20.705	20.544	20.745	VV	6604	497927	4.15%	0.217%
213	20.869	20.745	20.884	VV	5498	407186	3.39%	0.178%
214	21.079	20.884	21.298	VV	331617	7163800	59.68%	3.125%
215	21.384	21.298	21.410	VV	4859	325955	2.72%	0.142%
216	21.490	21.410	21.567	VV	5675	428636	3.57%	0.187%
217	21.774	21.567	21.784	VV	3264	459249	3.83%	0.200%
218	21.966	21.784	22.118	VV	230812	6338483	52.80%	2.765%
219	22.157	22.118	22.329	VV	3069	231973	1.93%	0.101%
220	22.338	22.329	22.359	VV	601	9516	0.08%	0.004%
221	22.368	22.359	22.408	VV	353	6122	0.05%	0.003%

Sum of corrected areas: 229245916

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/19/2025
Supervised By :mohammad ahmed 06/20/2025

Aliphatic EPH 061025.M Thu Jun 19 02:31:28 2025

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

Manual Integration Report

Sequence:	FE061025AL	Instrument	FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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

Manual Integration Report

Sequence:	FE061825AL	Instrument	FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FE054473.D	n-Tetracontane (C40)	yogesh	6/19/2025 7:27:52 AM	mohammad	6/20/2025 9:03:50	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE054473.D	n-Tetratriacontane (C34)	yogesh	6/19/2025 7:27:52 AM	mohammad	6/20/2025 9:03:50	Peak Integrated by Software
Q2337-01DL	FE054475.D	1-chlorooctadecane (SURR)	yogesh	6/19/2025 7:27:54 AM	mohammad	6/20/2025 9:03:50	Peak Integrated by Software
Q2337-01DL	FE054475.D	ortho-Terphenyl (SURR)	yogesh	6/19/2025 7:27:54 AM	mohammad	6/20/2025 9:03:50	Peak Integrated by Software
Q2338-01DL	FE054476.D	1-chlorooctadecane (SURR)	yogesh	6/19/2025 7:27:56 AM	mohammad	6/20/2025 9:03:50	Peak Integrated by Software
Q2338-01DL	FE054476.D	ortho-Terphenyl (SURR)	yogesh	6/19/2025 7:27:56 AM	mohammad	6/20/2025 9:03:50	Peak Integrated by Software
Q2338-02DL	FE054477.D	1-chlorooctadecane (SURR)	yogesh	6/19/2025 7:27:57 AM	mohammad	6/20/2025 9:03:50	Peak Integrated by Software
Q2338-02DL	FE054477.D	ortho-Terphenyl (SURR)	yogesh	6/19/2025 7:27:57 AM	mohammad	6/20/2025 9:03:50	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE054479.D	n-Octatriacontane (C38)	yogesh	6/19/2025 7:27:59 AM	mohammad	6/20/2025 9:03:50	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE054479.D	n-Tetracontane (C40)	yogesh	6/19/2025 7:27:59 AM	mohammad	6/20/2025 9:03:50	Peak Integrated by Software
PB168533BS	FE054481.D	1-chlorooctadecane (SURR)	yogesh	6/19/2025 7:28:01 AM	mohammad	6/20/2025 9:03:50	Peak Integrated by Software
PB168533BS	FE054481.D	n-Dotriacontane (C32)	yogesh	6/19/2025 7:28:01 AM	mohammad	6/20/2025 9:03:50	Peak Integrated by Software
PB168533BS	FE054481.D	n-Octacosane (C28)	yogesh	6/19/2025 7:28:01 AM	mohammad	6/20/2025 9:03:50	Peak Integrated by Software

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Manual Integration Report

Sequence:	FE061825AL	Instrument	FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB168533BS	FE054481.D	n-Tetracontane (C40)	yogesh	6/19/2025 7:28:01 AM	mohammad	6/20/2025 9:03:50	Peak Integrated by Software
PB168533BS	FE054481.D	n-Tetratriacontane (C34)	yogesh	6/19/2025 7:28:01 AM	mohammad	6/20/2025 9:03:50	Peak Integrated by Software
PB168533BSD	FE054482.D	1-chlorooctadecane (SURR)	yogesh	6/19/2025 7:28:03 AM	mohammad	6/20/2025 9:03:50	Peak Integrated by Software
PB168533BSD	FE054482.D	n-Dotriacontane (C32)	yogesh	6/19/2025 7:28:03 AM	mohammad	6/20/2025 9:03:50	Peak Integrated by Software
PB168533BSD	FE054482.D	n-Hexatriacontane (C36)	yogesh	6/19/2025 7:28:03 AM	mohammad	6/20/2025 9:03:50	Peak Integrated by Software
PB168533BSD	FE054482.D	n-Octacosane (C28)	yogesh	6/19/2025 7:28:03 AM	mohammad	6/20/2025 9:03:50	Peak Integrated by Software
PB168533BSD	FE054482.D	n-Tetracontane (C40)	yogesh	6/19/2025 7:28:03 AM	mohammad	6/20/2025 9:03:50	Peak Integrated by Software
PB168533BSD	FE054482.D	n-Tetratriacontane (C34)	yogesh	6/19/2025 7:28:03 AM	mohammad	6/20/2025 9:03:50	Peak Integrated by Software
Q2347-01MS	FE054490.D	1-chlorooctadecane (SURR)	yogesh	6/19/2025 7:28:04 AM	mohammad	6/20/2025 9:03:50	Peak Integrated by Software
Q2347-01MS	FE054490.D	n-Hexadecane (C16)	yogesh	6/19/2025 7:28:04 AM	mohammad	6/20/2025 9:03:50	Peak Integrated by Software
Q2347-01MS	FE054490.D	n-Octacosane (C28)	yogesh	6/19/2025 7:28:04 AM	mohammad	6/20/2025 9:03:50	Peak Integrated by Software
Q2347-01MS	FE054490.D	n-Tetracontane (C40)	yogesh	6/19/2025 7:28:04 AM	mohammad	6/20/2025 9:03:50	Peak Integrated by Software
Q2347-01MS	FE054490.D	n-Tetratriacontane (C34)	yogesh	6/19/2025 7:28:04 AM	mohammad	6/20/2025 9:03:50	Peak Integrated by Software

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Manual Integration Report

Sequence:	FE061825AL	Instrument	FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2347-01MSD	FE054491.D	1-chlorooctadecane (SURR)	yogesh	6/19/2025 7:28:06 AM	mohammad	6/20/2025 9:03:50	Peak Integrated by Software
Q2347-01MSD	FE054491.D	n-Hexatriacontane (C36)	yogesh	6/19/2025 7:28:06 AM	mohammad	6/20/2025 9:03:50	Peak Integrated by Software
Q2347-01MSD	FE054491.D	n-Octacosane (C28)	yogesh	6/19/2025 7:28:06 AM	mohammad	6/20/2025 9:03:50	Peak Integrated by Software
Q2347-01MSD	FE054491.D	n-Tetracontane (C40)	yogesh	6/19/2025 7:28:06 AM	mohammad	6/20/2025 9:03:50	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE054494.D	n-Hexatriacontane (C36)	yogesh	6/19/2025 7:28:08 AM	mohammad	6/20/2025 9:03:50	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE054494.D	n-Tetracontane (C40)	yogesh	6/19/2025 7:28:08 AM	mohammad	6/20/2025 9:03:50	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE054494.D	n-Tetratriacontane (C34)	yogesh	6/19/2025 7:28:08 AM	mohammad	6/20/2025 9:03:50	Peak Integrated by Software

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

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE061025AL

Review By	yogesh	Review On	6/9/2025 2:49:01 PM		
Supervise By	mohammad	Supervise On	6/11/2025 2:16:17 AM		
SubDirectory	FE061025AL	HP Acquire Method		HP Processing Method	FE061025AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FE054261.D	10 Jun 2025 00:12	YP\AJ	Ok
2	I.BLK	FE054262.D	10 Jun 2025 00:42	YP\AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FE054263.D	10 Jun 2025 01:12	YP\AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FE054264.D	10 Jun 2025 01:42	YP\AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FE054265.D	10 Jun 2025 02:12	YP\AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FE054266.D	10 Jun 2025 02:42	YP\AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FE054267.D	10 Jun 2025 03:13	YP\AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FE054268.D	10 Jun 2025 03:42	YP\AJ	Ok
9	I.BLK	FE054269.D	10 Jun 2025 04:42	YP\AJ	Ok
10	20 PPM ALIPHATIC HC STD	FE054270.D	10 Jun 2025 05:13	YP\AJ	Ok

M : Manual Integration

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

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE061825AL

Review By	yogesh	Review On	6/18/2025 8:47:27 AM		
Supervise By	mohammad	Supervise On	6/20/2025 9:03:50 AM		
SubDirectory	FE061825AL	HP Acquire Method		HP Processing Method	FE061025AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FE054471.D	18 Jun 2025 06:43	YP\AJ	Ok
2	I.BLK	FE054472.D	18 Jun 2025 07:13	YP\AJ	Ok
3	20 PPM ALIPHATIC HC STD	FE054473.D	18 Jun 2025 07:43	YP\AJ	Ok,M
4	Q2340-01	FE054474.D	18 Jun 2025 08:39	YP\AJ	Ok
5	Q2337-01DL	FE054475.D	18 Jun 2025 09:09	YP\AJ	Ok,M
6	Q2338-01DL	FE054476.D	18 Jun 2025 09:39	YP\AJ	Ok,M
7	Q2338-02DL	FE054477.D	18 Jun 2025 10:09	YP\AJ	Ok,M
8	I.BLK	FE054478.D	18 Jun 2025 12:37	YP\AJ	Ok
9	20 PPM ALIPHATIC HC STD	FE054479.D	18 Jun 2025 13:07	YP\AJ	Ok,M
10	PB168533BL	FE054480.D	18 Jun 2025 13:56	YP\AJ	Ok
11	PB168533BS	FE054481.D	18 Jun 2025 14:26	YP\AJ	Ok,M
12	PB168533BSD	FE054482.D	18 Jun 2025 14:56	YP\AJ	Ok,M
13	Q2342-01	FE054483.D	18 Jun 2025 15:26	YP\AJ	Ok
14	Q2342-02	FE054484.D	18 Jun 2025 15:57	YP\AJ	Ok
15	Q2342-03	FE054485.D	18 Jun 2025 16:27	YP\AJ	Ok
16	Q2342-04	FE054486.D	18 Jun 2025 16:58	YP\AJ	Ok
17	Q2342-05	FE054487.D	18 Jun 2025 17:28	YP\AJ	Ok
18	Q2347-01	FE054488.D	18 Jun 2025 17:58	YP\AJ	Ok
19	Q2347-01D	FE054489.D	18 Jun 2025 18:29	YP\AJ	Ok
20	Q2347-01MS	FE054490.D	18 Jun 2025 18:59	YP\AJ	Ok,M
21	Q2347-01MSD	FE054491.D	18 Jun 2025 19:30	YP\AJ	Ok,M

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Fax : 908 789 8922

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE061825AL

Review By	yogesh	Review On	6/18/2025 8:47:27 AM		
Supervise By	mohammad	Supervise On	6/20/2025 9:03:50 AM		
SubDirectory	FE061825AL	HP Acquire Method		HP Processing Method	FE061025AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2347-02	FE054492.D	18 Jun 2025 20:00	YP\AJ	Ok
23	I.BLK	FE054493.D	18 Jun 2025 21:00	YP\AJ	Ok
24	20 PPM ALIPHATIC HC STD	FE054494.D	18 Jun 2025 21:31	YP\AJ	Ok,M

M : Manual Integration

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

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE061025AL

Review By	yogesh	Review On	6/9/2025 2:49:01 PM		
Supervise By	mohammad	Supervise On	6/11/2025 2:16:17 AM		
SubDirectory	FE061025AL	HP Acquire Method		HP Processing Method	FE061025AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FE054261.D	10 Jun 2025 00:12		YP\AJ	Ok
2	I.BLK	I.BLK	FE054262.D	10 Jun 2025 00:42		YP\AJ	Ok
3	100 PPM ALIPHATIC H	100 PPM ALIPHATIC H	FE054263.D	10 Jun 2025 01:12		YP\AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FE054264.D	10 Jun 2025 01:42		YP\AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE054265.D	10 Jun 2025 02:12		YP\AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FE054266.D	10 Jun 2025 02:42		YP\AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FE054267.D	10 Jun 2025 03:13		YP\AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE054268.D	10 Jun 2025 03:42		YP\AJ	Ok
9	I.BLK	I.BLK	FE054269.D	10 Jun 2025 04:42		YP\AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE054270.D	10 Jun 2025 05:13		YP\AJ	Ok

M : Manual Integration

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

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE061825AL

Review By	yogesh	Review On	6/18/2025 8:47:27 AM		
Supervise By	mohammad	Supervise On	6/20/2025 9:03:50 AM		
SubDirectory	FE061825AL	HP Acquire Method		HP Processing Method	FE061025AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FE054471.D	18 Jun 2025 06:43		YP\AJ	Ok
2	I.BLK	I.BLK	FE054472.D	18 Jun 2025 07:13		YP\AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE054473.D	18 Jun 2025 07:43		YP\AJ	Ok,M
4	Q2340-01	TP05-MH17A-WC	FE054474.D	18 Jun 2025 08:39		YP\AJ	Ok
5	Q2337-01DL	OR-02-061625DL	FE054475.D	18 Jun 2025 09:09		YP\AJ	Ok,M
6	Q2338-01DL	OK-03-061625DL	FE054476.D	18 Jun 2025 09:39		YP\AJ	Ok,M
7	Q2338-02DL	OK-03-061625-E2DL	FE054477.D	18 Jun 2025 10:09		YP\AJ	Ok,M
8	I.BLK	I.BLK	FE054478.D	18 Jun 2025 12:37		YP\AJ	Ok
9	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE054479.D	18 Jun 2025 13:07		YP\AJ	Ok,M
10	PB168533BL	PB168533BL	FE054480.D	18 Jun 2025 13:56		YP\AJ	Ok
11	PB168533BS	PB168533BS	FE054481.D	18 Jun 2025 14:26		YP\AJ	Ok,M
12	PB168533BSD	PB168533BSD	FE054482.D	18 Jun 2025 14:56		YP\AJ	Ok,M
13	Q2342-01	S-1	FE054483.D	18 Jun 2025 15:26		YP\AJ	Ok
14	Q2342-02	S-2	FE054484.D	18 Jun 2025 15:57		YP\AJ	Ok
15	Q2342-03	S-3	FE054485.D	18 Jun 2025 16:27		YP\AJ	Ok
16	Q2342-04	S-4	FE054486.D	18 Jun 2025 16:58		YP\AJ	Ok
17	Q2342-05	S-5	FE054487.D	18 Jun 2025 17:28		YP\AJ	Ok
18	Q2347-01	TP-10	FE054488.D	18 Jun 2025 17:58		YP\AJ	Ok

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Fax : 908 789 8922

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE061825AL

Review By	yogesh	Review On	6/18/2025 8:47:27 AM		
Supervise By	mohammad	Supervise On	6/20/2025 9:03:50 AM		
SubDirectory	FE061825AL	HP Acquire Method		HP Processing Method	FE061025AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2347-01D	Q2347-01D	FE054489.D	18 Jun 2025 18:29		YP\AJ	Ok
20	Q2347-01MS	TP-10MS	FE054490.D	18 Jun 2025 18:59	FE054488.D	YP\AJ	Ok,M
21	Q2347-01MSD	TP-10MSD	FE054491.D	18 Jun 2025 19:30	FE054488.D!FE054490.D	YP\AJ	Ok,M
22	Q2347-02	TP-10-EPH	FE054492.D	18 Jun 2025 20:00		YP\AJ	Ok
23	I.BLK	I.BLK	FE054493.D	18 Jun 2025 21:00		YP\AJ	Ok
24	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE054494.D	18 Jun 2025 21:31		YP\AJ	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB168533

SOP ID:	MNJDEP-EPH-8				
Clean Up SOP #:	N/A			**Extraction Start Date :**	06/18/2025
Matrix :	Solid			**Extraction Start Time :**	09:13
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	06/18/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	13:15
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	RUPESH

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	100 PPM	PP24625
Surrogate	1.0ML	100 PPM	PP24652
Fractionation Surrogate	0.1ML	100 PPM	PP24647
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2612
Baked Na2SO4	N/A	EP2622
Sand	N/A	E2865
Hexane	N/A	E3941
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

N/A

KD Bath ID:	N/A	**Envap ID:**	NEVAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
6/18/25	RS (ESL-66)	T-P-Pest/PCB
13:20	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168533

Analytical Method: MNJDEP-EPH-8 **Concentration Date:** 06/18/2025

Sample ID	Client Sample ID	Test	g mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168533BL	PB168533BL	EPH_NF	30.02	N/A	ritesh	Evelyn	2			U6-1
PB168533BS	PB168533BS	EPH_NF	30.03	N/A	ritesh	Evelyn	2			2
PB168533BSD	PB168533BSD	EPH_NF	30.01	N/A	ritesh	Evelyn	2			3
Q2342-01	S-1	EPH_NF	30.06	N/A	ritesh	Evelyn	2			4
Q2342-02	S-2	EPH_NF	30.08	N/A	ritesh	Evelyn	2			5
Q2342-03	S-3	EPH_NF	30.05	N/A	ritesh	Evelyn	2			6
Q2342-04	S-4	EPH_NF	30.03	N/A	ritesh	Evelyn	2			U2-1
Q2342-05	S-5	EPH_NF	30.02	N/A	ritesh	Evelyn	2			2
Q2347-01	MH-9	EPH_NF	30.04	N/A	ritesh	Evelyn	2	E		3
Q2347-01DUP	MH-9DUP	EPH_NF	30.05	N/A	ritesh	Evelyn	2	E		4
Q2347-01MS	MH-9MS	EPH_NF	30.07	N/A	ritesh	Evelyn	2	E		5
Q2347-01MSD	MH-9MSD	EPH_NF	30.01	N/A	ritesh	Evelyn	2	E		6
Q2347-02	MH-9-EPH	EPH_NF	30.04	N/A	ritesh	Evelyn	2			U3-1

RS 6/18

* **Extracts relinquished on the same date as received.**

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2342 **WorkList ID :** 190257 **Department :** Extraction **Date :** 06-18-2025 09:04:38

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2342-01	S-1	Solid	EPH_NF	Cool 4 deg C	EARTH03	D51	06/16/2025	NJEPH
Q2342-02	S-2	Solid	EPH_NF	Cool 4 deg C	EARTH03	D51	06/16/2025	NJEPH
Q2342-03	S-3	Solid	EPH_NF	Cool 4 deg C	EARTH03	D51	06/16/2025	NJEPH
Q2342-04	S-4	Solid	EPH_NF	Cool 4 deg C	EARTH03	D51	06/16/2025	NJEPH
Q2342-05	S-5	Solid	EPH_NF	Cool 4 deg C	EARTH03	D51	06/16/2025	NJEPH
Q2347-01	MH-9	Solid	EPH_NF	Cool 4 deg C	PSEG03	D42	06/17/2025	NJEPH
Q2347-02	MH-9-EPH	Solid	EPH_NF	Cool 4 deg C	PSEG03	D42	06/17/2025	NJEPH

Date/Time 6/18/25 9:10
Raw Sample Received by: EH (Ext lab)
Raw Sample Relinquished by: [signature]

Date/Time 6/18/25 9:35
Raw Sample Received by: [signature]
Raw Sample Relinquished by: EH (Ext lab)

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

LAB CHRONICLE

OrderID:	Q2342	**OrderDate:**	6/17/2025 10:27:18 AM
Client:	Earth Engineering Inc.	**Project:**	1500 Oak
Contact:	Frank Dougherty, LSRP	**Location:**	D51

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2342-01	**S-1**	**Solid**			**06/16/25**			**06/17/25**
			EPH_NF	NJEPH		06/18/25	06/18/25	
Q2342-02	**S-2**	**Solid**			**06/16/25**			**06/17/25**
			EPH_NF	NJEPH		06/18/25	06/18/25	
Q2342-03	**S-3**	**Solid**			**06/16/25**			**06/17/25**
			EPH_NF	NJEPH		06/18/25	06/18/25	
Q2342-04	**S-4**	**Solid**			**06/16/25**			**06/17/25**
			EPH_NF	NJEPH		06/18/25	06/18/25	
Q2342-05	**S-5**	**Solid**			**06/16/25**			**06/17/25**
			EPH_NF	NJEPH		06/18/25	06/18/25	

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax: (908) 788-9222
www.chemtech.net

CHAIN OF CUSTODY RECORD

Alliance Project Number: Q2342

COC Number:

CLIENT INFORMATION

COMPANY: Earth Engineering Inc
ADDRESS: 403 Commerce Lane
CITY: West Berlin STATE: NJ ZIP: 08091
ATTENTION: Frank Dougherty
PHONE: 856-768-1001 FAX:

PROJECT INFORMATION

PROJECT NAME: 1500 Oak
PROJECT #: 38540 LOCATION: NJ
PROJECT MANAGER: Frank Dougherty
E-MAIL: frankd@earthengineering.com
PHONE: 856-768-1001 FAX:

BILLING INFORMATION

BILL TO: SAME PO#
ADDRESS:
CITY: STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX: 3 DAYS*
HARD COPY: DAYS*
EDD DAYS*
* TO BE APPROVED BY ALLIANCE
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESULTS ONLY
- ☐ RESULTS + QC
- ☒ New Jersey REDUCED
- ☐ New Jersey CLP
- ☐ EDD Format
- ☐ USEPA CLP
- ☐ New York State ASP "B"
- ☐ New York State ASP "A"
- ☐ Other

ANALYSIS

1	2	3	4	5	6	7	8	9
EPH								

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# of Bottles	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	S-1	Soil		X	6/16/25	2:30	1	X									
2.	S-2			X		2:10	1	X									
3.	S-3			X		1:55	1	X									
4.	S-4			X		1:30	1	X									
5.	S-5			X		1:10	1	X									
6.																	
7.																	
8.																	
9.																	
10.																	

PRESERVATIVES

COMMENTS: <-- Specify Preservatives
A-HCl B-HNO3
C-H2SO4 D-NaOH
E-ICE F-Other

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER	DATE/TIME 6/17/25 14:00	RECEIVED BY 1.
RELINQUISHED BY 2.	DATE/TIME	RECEIVED BY 2.
RELINQUISHED BY 3.	DATE/TIME	RECEIVED FOR LAB BY 3.

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 4.3°C
MeOH extraction requires an additional 4oz. Jar for percent solid ☐ Ice in Cooler?: Yes
Comments: EPH- Category 1 Non fractionated

Page 1 of 1

SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight
ALLIANCE: ☐ Picked Up ☐ Overnight

Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPYFOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488