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

DATA PACKAGE

GC SEMI-VOLATILES

PROJECT NAME : 1710 N4 AVE

EARTH ENGINEERING INC.

403 Commerce Lane

West Berlin, NJ - 08091

Phone No: 8567681001

ORDER ID : Q2431

ATTENTION : Frank Dougherty, LSRP

Laboratory Certification ID # 20012

Table Of Contents for Q2431

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Cover Page

Order ID : Q2431

Project ID : 1710 N4 Ave

Client : Earth Engineering Inc.

Lab Sample Number	Client Sample Number
Q2431-01	S-1
Q2431-02	S-2
Q2431-03	S-3
Q2431-04	S-4
Q2431-05	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: 7/9/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Earth Engineering Inc.
Project Name: 1710 N4 Ave
Project # N/A
Order ID # Q2431
Test Name: EPH_NF

A. Number of Samples and Date of Receipt:
5 Solid samples were received on 06/26/2025.

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_C. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 10224.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 were performed on instrument FID_G. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 13302.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 met the requirements for all compounds due to matrix interference.
The MSD recoveries met the acceptable requirements due to matrix interference.
The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank Spike Duplicate met requirements for all samples .
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_____

284 Sheffield Street, Mountainside NJ 07092 Tel.
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 #: Q2431

	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: MOHAMMAD AHMED **Date:** 07/09/2025

SAMPLE DATA

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	06/25/25
Project:	1710 N4 Ave	Date Received:	06/26/25
Client Sample ID:	S-1	SDG No.:	Q2431
Lab Sample ID:	Q2431-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.7
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/27/25 08:30	06/27/25 17:55	PB168635

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.26		1	1.38	2.33	mg/kg	FE054618.D
Aliphatic C9-C28	Aliphatic C9-C28	5.27		1	1.06	4.67	mg/kg	FE054618.D
Total AliphaticEPH	Total AliphaticEPH	10.5			2.44	7.00	mg/kg	
Total EPH	Total EPH	10.5			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:	06/25/25
Project:	1710 N4 Ave	Date Received:	06/26/25
Client Sample ID:	S-1	SDG No.:	Q2431
Lab Sample ID:	Q2431-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.7
Sample Wt/Vol:	30.04 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
FE054618.D	1	06/27/25	06/27/25	PB168635

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	5.27		1.06	4.67	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.26		1.38	2.33	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.5		40 - 140	65%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.6		40 - 140	65%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2431-01	Acq On:	27 Jun 2025 17:55
Client Sample ID:	S-1	Operator:	YP\AJ
Data file:	FE054618.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	3.317	6.943	4058554	29.83	300	ug/ml
Aliphatic C12-C16	6.944	10.391	1143067	8.132	200	ug/ml
Aliphatic C16-C21	10.392	13.764	1588634	11.002	300	ug/ml
Aliphatic C21-C28	13.765	17.429	2712963	18.755	400	ug/ml
Aliphatic C28-C40	17.430	22.428	9379397	67.649	600	ug/ml
Aliphatic EPH	3.317	22.428	18882615	135.368		ug/ml
ortho-Terphenyl (SURR)	12.064	12.064	5301058	32.64		ug/ml
1-chlorooctadecane (SURR)	13.499	13.499	4110560	32.55		ug/ml
Aliphatic C9-C28	3.317	17.429	9503218	67.719	1200	ug/ml

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	06/25/25
Project:	1710 N4 Ave	Date Received:	06/26/25
Client Sample ID:	S-2	SDG No.:	Q2431
Lab Sample ID:	Q2431-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.4
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
06/27/25 08:30	06/30/25 11:59	PB168635

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.29		1	1.40	2.36	mg/kg	FC069327.D
Aliphatic C9-C28	Aliphatic C9-C28	4.42	J	1	1.08	4.73	mg/kg	FC069327.D
Total AliphaticEPH	Total AliphaticEPH	9.71			2.48	7.09	mg/kg	
Total EPH	Total EPH	9.71			2.48	7.09	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:	06/25/25
Project:	1710 N4 Ave	Date Received:	06/26/25
Client Sample ID:	S-2	SDG No.:	Q2431
Lab Sample ID:	Q2431-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.4
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
FC069327.D	1	06/27/25	06/30/25	PB168635

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		4.42	J	1.08	4.73	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		5.29		1.40	2.36	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		26.9		40 - 140	54%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		26.9		40 - 140	54%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2431-02	Acq On:	30 Jun 2025 11:59
Client Sample ID:	S-2	Operator:	YP/AJ
Data file:	FC069327.D	Misc:	
Instrument:	FID_C	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.308	6.605	3919352	26.72	300	ug/ml
Aliphatic C12-C16	6.606	10.009	924086	5.804	200	ug/ml
Aliphatic C16-C21	10.010	13.379	1332196	8.626	300	ug/ml
Aliphatic C21-C28	13.380	17.046	1994006	14.884	400	ug/ml
Aliphatic C28-C40	17.047	22.025	6176657	67.047	600	ug/ml
Aliphatic EPH	3.308	22.025	14346297	123.082		ug/ml
ortho-Terphenyl (SURR)	11.678	11.678	4645575	26.89		ug/ml
1-chlorooctadecane (SURR)	13.113	13.113	3520509	26.95		ug/ml
Aliphatic C9-C28	3.308	17.046	8169640	56.034	1200	ug/ml

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	06/25/25
Project:	1710 N4 Ave	Date Received:	06/26/25
Client Sample ID:	S-3	SDG No.:	Q2431
Lab Sample ID:	Q2431-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.2
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
06/27/25 08:30	06/27/25 18:55	PB168635

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.53		1	1.42	2.40	mg/kg	FE054620.D
Aliphatic C9-C28	Aliphatic C9-C28	7.53		1	1.09	4.80	mg/kg	FE054620.D
Total AliphaticEPH	Total AliphaticEPH	13.1			2.51	7.20	mg/kg	
Total EPH	Total EPH	13.1			2.51	7.20	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:	06/25/25
Project:	1710 N4 Ave	Date Received:	06/26/25
Client Sample ID:	S-3	SDG No.:	Q2431
Lab Sample ID:	Q2431-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.2
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
FE054620.D	1	06/27/25	06/27/25	PB168635

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	7.53		1.09	4.80	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.53		1.42	2.40	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.2		40 - 140	64%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.0		40 - 140	64%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2431-03	Acq On:	27 Jun 2025 18:55
Client Sample ID:	S-3	Operator:	YP\AJ
Data file:	FE054620.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	3.317	6.943	3948703	29.023	300	ug/ml
Aliphatic C12-C16	6.944	10.391	1035182	7.364	200	ug/ml
Aliphatic C16-C21	10.392	13.764	5475359	37.92	300	ug/ml
Aliphatic C21-C28	13.765	17.429	2850896	19.709	400	ug/ml
Aliphatic C28-C40	17.430	22.428	9582574	69.115	600	ug/ml
Aliphatic EPH	3.317	22.428	22892714	163.13		ug/ml
ortho-Terphenyl (SURR)	12.065	12.065	5194786	31.99		ug/ml
1-chlorooctadecane (SURR)	13.501	13.501	4064825	32.19		ug/ml
Aliphatic C9-C28	3.317	17.429	13310140	94.016	1200	ug/ml

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	06/25/25
Project:	1710 N4 Ave	Date Received:	06/26/25
Client Sample ID:	S-4	SDG No.:	Q2431
Lab Sample ID:	Q2431-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.6
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
06/27/25 08:30	06/27/25 19:25	PB168635

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.75		1	1.39	2.36	mg/kg	FE054621.D
Aliphatic C9-C28	Aliphatic C9-C28	6.21		1	1.07	4.73	mg/kg	FE054621.D
Total AliphaticEPH	Total AliphaticEPH	9.96			2.46	7.09	mg/kg	
Total EPH	Total EPH	9.96			2.46	7.09	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:	06/25/25
Project:	1710 N4 Ave	Date Received:	06/26/25
Client Sample ID:	S-4	SDG No.:	Q2431
Lab Sample ID:	Q2431-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.6
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
FE054621.D	1	06/27/25	06/27/25	PB168635

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	6.21		1.07	4.73	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.75		1.39	2.36	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.2		40 - 140	64%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.4		40 - 140	65%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2431-04	Acq On:	27 Jun 2025 19:25
Client Sample ID:	S-4	Operator:	YP\AJ
Data file:	FE054621.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	3.317	6.943	3869525	28.441	300	ug/ml
Aliphatic C12-C16	6.944	10.391	1049050	7.463	200	ug/ml
Aliphatic C16-C21	10.392	13.764	1776999	12.307	300	ug/ml
Aliphatic C21-C28	13.765	17.429	4418936	30.549	400	ug/ml
Aliphatic C28-C40	17.430	22.428	6595023	47.567	600	ug/ml
Aliphatic EPH	3.317	22.428	17709533	126.326		ug/ml
ortho-Terphenyl (SURR)	12.066	12.066	5265543	32.42		ug/ml
1-chlorooctadecane (SURR)	13.501	13.501	4071607	32.24		ug/ml
Aliphatic C9-C28	3.317	17.429	11114510	78.76	1200	ug/ml

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	06/25/25
Project:	1710 N4 Ave	Date Received:	06/26/25
Client Sample ID:	S-5	SDG No.:	Q2431
Lab Sample ID:	Q2431-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/27/25 08:30	06/30/25 13:01	PB168635

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.67		1	1.42	2.41	mg/kg	FC069328.D
Aliphatic C9-C28	Aliphatic C9-C28	5.69		1	1.09	4.80	mg/kg	FC069328.D
Total AliphaticEPH	Total AliphaticEPH	11.4			2.51	7.21	mg/kg	
Total EPH	Total EPH	11.4			2.51	7.21	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:	06/25/25
Project:	1710 N4 Ave	Date Received:	06/26/25
Client Sample ID:	S-5	SDG No.:	Q2431
Lab Sample ID:	Q2431-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83
Sample Wt/Vol:	30.04 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
FC069328.D	1	06/27/25	06/30/25	PB168635

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	5.69		1.09	4.80	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.67		1.42	2.41	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	27.1		40 - 140	54%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	27.1		40 - 140	54%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2431-05	Acq On:	30 Jun 2025 13:01
Client Sample ID:	S-5	Operator:	YP/AJ
Data file:	FC069328.D	Misc:	
Instrument:	FID_C	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.308	6.605	3880361	26.455	300	ug/ml
Aliphatic C12-C16	6.606	10.009	935373	5.875	200	ug/ml
Aliphatic C16-C21	10.010	13.379	2113640	13.686	300	ug/ml
Aliphatic C21-C28	13.380	17.046	3343201	24.956	400	ug/ml
Aliphatic C28-C40	17.047	22.025	6514751	70.717	600	ug/ml
Aliphatic EPH	3.308	22.025	16787326	141.688		ug/ml
ortho-Terphenyl (SURR)	11.678	11.678	4673415	27.05		ug/ml
1-chlorooctadecane (SURR)	13.114	13.114	3545638	27.14		ug/ml
Aliphatic C9-C28	3.308	17.046	10272575	70.972	1200	ug/ml

QC SUMMARY

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SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: EARTH03

Lab Code: CHEM CASE No.: Q2431 SAS No.: Q2431 SDG No.: Q2431

Run Number: FC063025AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
S-2	54	54		0
S-5	54	54		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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SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: EARTH03

Lab Code: CHEM CASE No.: Q2431 SAS No.: Q2431 SDG No.: Q2431

Run Number: FE062725AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
S-1	65	65		0
S-3	64	64		0
S-4	64	65		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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SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: EARTH03

Lab Code: CHEM CASE No.: Q2431 SAS No.: Q2431 SDG No.: Q2431

Run Number: FE070325AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
PB168635BL	84	82		0
PB168635BS	83	81		0
PB168635BSD	83	81		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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SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: EARTH03

Lab Code: CHEM CASE No.: Q2431 SAS No.: Q2431 SDG No.: Q2431

Run Number: FG062725AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
MH-E/FMS	67	64		0
MH-E/FMSD	66	63		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:**	Q2431	**SAS No :**	Q2431	**SDG No:**	Q2431
Sample No :	Q2430-01MS	**Datafile:**	FG016160.D	**Client ID :**	MH-E/FMS		

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C28-C40	34.0	5.84	39.1	98		(40-140)
Aliphatic C9-C28	113.3	9.67	91.0	72		(40-140)

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
n-Nonane (C9)	3.8	0.0000	2.1864	58		(40-140)
n-Decane (C10)	3.8	0.0000	5.0832	134		(40-140)
Naphthalene (C11.7)	3.8	0.0000	2.7244	72		(40-140)
n-Dodecane (C12)	3.8	0.0000	2.5357	67		(40-140)
2-methylnaphthalene (C12.89)	3.8	0.0000	2.7158	71		(40-140)
n-Tetradecane (C14)	3.8	0.0000	2.7255	72		(40-140)
n-Hexadecane (C16)	3.8	0.0000	2.9448	77		(40-140)
n-Octadecane (C18)	3.8	0.0000	3.0403	80		(40-140)
n-Eicosane (C20)	3.8	0.0000	3.2790	86		(40-140)
n-Heneicosane (C21)	3.8	0.0000	3.1870	84		(40-140)
n-Docosane (C22)	3.8	0.0000	3.1935	84		(40-140)
n-Tetracosane (C24)	7.5	0.0000	6.7381	90		(40-140)
n-Hexacosane (C26)	3.8	0.0000	3.1044	82		(40-140)
n-Octacosane (C28)	3.8	0.0000	3.0831	81		(40-140)
n-Tricontane (C30)	3.8	0.0000	3.0127	79		(40-140)
n-Dotriacontane (C32)	3.8	0.0000	3.0696	81		(40-140)
n-Tetratriacontane (C34)	3.8	0.0000	3.5713	94		(40-140)
n-Hexatriacontane (C36)	3.8	0.0000	3.9772	105		(40-140)
n-Octatriacontane (C38)	3.8	0.0000	4.3777	115		(40-140)
n-Tetracontane (C40)	3.8	0.0000	4.2178	111		(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:**	Q2431	**SAS No :**	Q2431	**SDG No:**	Q2431
Sample No :	Q2430-01MSD	**Datafile:**	FG016161.D	**Client ID :**	MH-E/FMSD		

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	34.0	5.84	38.3	96		2.38 |	(40-140)	50
Aliphatic C9-C28	113.3	9.67	89.1	70		2.4 |	(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)	3.8	0.0000	2.1361	56		3.51 |	(40-140)	50
n-Decane (C10)	3.8	0.0000	4.9652	131		2.26 |	(40-140)	50
Naphthalene (C11.7)	3.8	0.0000	2.6612	70		2.82 |	(40-140)	50
n-Dodecane (C12)	3.8	0.0000	2.4757	65		3.03 |	(40-140)	50
2-methylnaphthalene (C12.89)	3.8	0.0000	2.6505	70		1.42 |	(40-140)	50
n-Tetradecane (C14)	3.8	0.0000	2.6591	70		2.82 |	(40-140)	50
n-Hexadecane (C16)	3.8	0.0000	2.8776	76		1.31 |	(40-140)	50
n-Octadecane (C18)	3.8	0.0000	2.9741	78		2.53 |	(40-140)	50
n-Eicosane (C20)	3.8	0.0000	3.2098	84		2.35 |	(40-140)	50
n-Heneicosane (C21)	3.8	0.0000	3.1184	82		2.41 |	(40-140)	50
n-Docosane (C22)	3.8	0.0000	3.1257	82		2.41 |	(40-140)	50
n-Tetracosane (C24)	7.5	0.0000	6.6060	88		2.25 |	(40-140)	50
n-Hexacosane (C26)	3.8	0.0000	3.0399	80		2.47 |	(40-140)	50
n-Octacosane (C28)	3.8	0.0000	3.0225	80		1.24 |	(40-140)	50
n-Tricontane (C30)	3.8	0.0000	2.9612	78		1.27 |	(40-140)	50
n-Dotriacontane (C32)	3.8	0.0000	3.0090	79		2.5 |	(40-140)	50
n-Tetratriacontane (C34)	3.8	0.0000	3.5040	92		2.15 |	(40-140)	50
n-Hexatriacontane (C36)	3.8	0.0000	3.9169	103		1.92 |	(40-140)	50
n-Octatriacontane (C38)	3.8	0.0000	4.2700	112		2.64 |	(40-140)	50
n-Tetracontane (C40)	3.8	0.0000	4.1576	109		1.82 |	(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:** Q2431 **SAS No :** Q2431 **SDG No:** Q2431

Sample No : PB168635BS **Datafile:** FE054686.D **Client ID :** PB168635BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C28-C40	30.0	26.6	89		(40-140)
Aliphatic C9-C28	99.9	81.0	82		(40-140)

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
n-Nonane (C9)	3.3	2.74131	83		(40-140)
n-Decane (C10)	3.3	2.91630	88		(40-140)
Naphthalene (C11.7)	3.3	3.23424	98		(40-140)
n-Dodecane (C12)	3.3	3.01022	91		(40-140)
2-methylnaphthalene (C12.89)	3.3	3.11338	94		(40-140)
n-Tetradecane (C14)	3.3	3.00007	91		(40-140)
n-Hexadecane (C16)	3.3	2.94746	89		(40-140)
n-Octadecane (C18)	3.3	2.83816	86		(40-140)
n-Eicosane (C20)	3.3	2.94983	89		(40-140)
n-Heneicosane (C21)	3.3	2.84109	86		(40-140)
n-Docosane (C22)	3.3	2.79737	85		(40-140)
n-Tetracosane (C24)	6.7	5.73979	86		(40-140)
n-Hexacosane (C26)	3.3	2.65258	80		(40-140)
n-Octacosane (C28)	3.3	2.58561	78		(40-140)
n-Tricontane (C30)	3.3	2.43736	74		(40-140)
n-Dotriacontane (C32)	3.3	2.38390	72		(40-140)
n-Tetratriacontane (C34)	3.3	2.65543	80		(40-140)
n-Hexatriacontane (C36)	3.3	2.94340	89		(40-140)
n-Octatriacontane (C38)	3.3	3.50392	106		(40-140)
n-Tetracontane (C40)	3.3	3.77177	114		(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:** Q2431 **SAS No :** Q2431 **SDG No:** Q2431

Sample No : PB168635BSD **Datafile:** FE054687.D **Client ID :** PB168635BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD | QC LIMITS	QC Limit Of RPD
Aliphatic C28-C40	30.0	26.5	88		0.348| (40-140)	25
Aliphatic C9-C28	99.9	81.2	82		0.226| (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	2.74670	83		0| (40-140)	25
n-Decane (C10)	3.3	2.92171	89		1.13| (40-140)	25
Naphthalene (C11.7)	3.3	3.25162	99		1.02| (40-140)	25
n-Dodecane (C12)	3.3	3.01538	91		0| (40-140)	25
2-methylnaphthalene (C12.89)	3.3	3.12851	95		1.06| (40-140)	25
n-Tetradecane (C14)	3.3	3.00912	91		0| (40-140)	25
n-Hexadecane (C16)	3.3	2.96175	90		1.12| (40-140)	25
n-Octadecane (C18)	3.3	2.85067	86		0| (40-140)	25
n-Eicosane (C20)	3.3	2.95465	90		1.12| (40-140)	25
n-Heneicosane (C21)	3.3	2.84191	86		0| (40-140)	25
n-Docosane (C22)	3.3	2.80340	85		0| (40-140)	25
n-Tetracosane (C24)	6.7	5.74364	86		0| (40-140)	25
n-Hexacosane (C26)	3.3	2.65119	80		0| (40-140)	25
n-Octacosane (C28)	3.3	2.57794	78		0| (40-140)	25
n-Tricontane (C30)	3.3	2.41302	73		1.36| (40-140)	25
n-Dotriacontane (C32)	3.3	2.34036	71		1.4| (40-140)	25
n-Tetratriacontane (C34)	3.3	2.62288	79		1.26| (40-140)	25
n-Hexatriacontane (C36)	3.3	2.89182	88		1.13| (40-140)	25
n-Octatriacontane (C38)	3.3	3.51485	107		0.94| (40-140)	25
n-Tetracontane (C40)	3.3	3.75691	114		0| (40-140)	25

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4B
METHOD BLANK SUMMARY

EPA SAMPLE NO.
PB168635BL

Lab Name: CHEMTECH Contract: EARTH03

Lab Code: CHEM Case No.: Q2431 SAS No.: Q2431 SDG NO.: Q2431

Instrument ID: FID_C Lab Sample ID: PB168635BL

Matrix: (soil/water) Solid Date Extracted: 6/27/2025 8:30:00 A

Level: (low/med) low

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

EPA SAMPLE NO.	LAB SAMPLE ID
PB168635BS	PB168635BS
PB168635BSD	PB168635BSD
MH-E/FMS	Q2430-01MS
MH-E/FMSD	Q2430-01MSD
S-1	Q2431-01
S-2	Q2431-02
S-3	Q2431-03
S-4	Q2431-04
S-5	Q2431-05

COMMENTS:

QC SAMPLE DATA

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Report of Analysis

Client:	Earth Engineering Inc.			Date Collected:	
Project:	1710 N4 Ave			Date Received:	
Client Sample ID:	PB168635BL			SDG No.:	Q2431
Lab Sample ID:	PB168635BL			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
06/27/25 08:30	07/03/25 11:39	PB168635

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	FE054685.D
Aliphatic C9-C28	Aliphatic C9-C28	0.91	U	1	0.91	4.00	mg/kg	FE054685.D
Total AliphaticEPH	Total AliphaticEPH	2.09	U		2.09	6.00	mg/kg	
Total EPH	Total EPH	2.09	U		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:	1710 N4 Ave	Date Received:	
Client Sample ID:	PB168635BL	SDG No.:	Q2431
Lab Sample ID:	PB168635BL	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
FE054685.D	1	06/27/25	07/03/25	PB168635

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		0.91	U	0.91	4.00	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		1.18	U	1.18	2.00	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		41.8		40 - 140	84%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		41.2		40 - 140	82%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB168635BL	Acq On:	03 Jul 2025 11:39
Client Sample ID:	PB168635BL	Operator:	YP\AJ
Data file:	FE054685.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	3.321	6.950	0	0	300	ug/ml
Aliphatic C12-C16	6.951	10.400	0	0	200	ug/ml
Aliphatic C16-C21	10.401	13.777	0	0	300	ug/ml
Aliphatic C21-C28	13.778	17.447	0	0	400	ug/ml
Aliphatic C28-C40	17.448	22.460	0	0	600	ug/ml
Aliphatic EPH	3.321	22.460	0	0		ug/ml
ortho-Terphenyl (SURR)	12.079	12.079	6685829	41.17		ug/ml
1-chlorooctadecane (SURR)	13.515	13.515	5280710	41.81		ug/ml
Aliphatic C9-C28	3.321	17.447	0	0	1200	ug/ml

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Report of Analysis

Client:	Earth Engineering Inc.			Date Collected:	
Project:	1710 N4 Ave			Date Received:	
Client Sample ID:	PB168635BS			SDG No.:	Q2431
Lab Sample ID:	PB168635BS			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
06/27/25 08:30	07/03/25 12:09	PB168635

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	26.6		1	1.18	2.00	mg/kg	FE054686.D
Aliphatic C9-C28	Aliphatic C9-C28	81.0	E	1	0.91	3.99	mg/kg	FE054686.D
Total AliphaticEPH	Total AliphaticEPH	108			2.09	5.99	mg/kg	
Total EPH	Total EPH	108			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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Fax : 908 789 8922

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:		
Project:	1710 N4 Ave		Date Received:		
Client Sample ID:	PB168635BS		SDG No.:	Q2431	
Lab Sample ID:	PB168635BS		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
FE054686.D	1	06/27/25	07/03/25	PB168635

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		81.0	E	0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		26.6		1.18	2.00	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		41.4		40 - 140	83%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		40.5		40 - 140	81%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB168635BS	Acq On:	03 Jul 2025 12:09
Client Sample ID:	PB168635BS	Operator:	YP\AJ
Data file:	FE054686.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	3.321	6.950	31856855	234.147	300	ug/ml
Aliphatic C12-C16	6.951	10.400	41395356	294.486	200	ug/ml
Aliphatic C16-C21	10.401	13.777	46667381	323.196	300	ug/ml
Aliphatic C21-C28	13.778	17.447	52817187	365.133	400	ug/ml
Aliphatic C28-C40	17.448	22.460	55402360	399.592	600	ug/ml
Aliphatic EPH	3.321	22.460	228139139	1620		ug/ml
ortho-Terphenyl (SURR)	12.077	12.077	6576935	40.5		ug/ml
1-chlorooctadecane (SURR)	13.512	13.512	5225380	41.37		ug/ml
Aliphatic C9-C28	3.321	17.447	172736779	1220	1200	ug/ml

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Report of Analysis

Client:	Earth Engineering Inc.			Date Collected:	
Project:	1710 N4 Ave			Date Received:	
Client Sample ID:	PB168635BSD			SDG No.:	Q2431
Lab Sample ID:	PB168635BSD			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
06/27/25 08:30	07/03/25 12:40	PB168635

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	26.5		1	1.18	2.00	mg/kg	FE054687.D
Aliphatic C9-C28	Aliphatic C9-C28	81.2	E	1	0.91	3.99	mg/kg	FE054687.D
Total AliphaticEPH	Total AliphaticEPH	108			2.09	5.99	mg/kg	
Total EPH	Total EPH	108			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:	1710 N4 Ave		Date Received:		
Client Sample ID:	PB168635BSD		SDG No.:	Q2431	
Lab Sample ID:	PB168635BSD		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
FE054687.D	1	06/27/25	07/03/25	PB168635

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		81.2	E	0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		26.5		1.18	2.00	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		41.5		40 - 140	83%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		40.6		40 - 140	81%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB168635BSD	Acq On:	03 Jul 2025 12:40
Client Sample ID:	PB168635BSD	Operator:	YP\AJ
Data file:	FE054687.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	3.321	6.950	31952239	234.848	300	ug/ml
Aliphatic C12-C16	6.951	10.400	41609194	296.007	200	ug/ml
Aliphatic C16-C21	10.401	13.777	46754336	323.798	300	ug/ml
Aliphatic C21-C28	13.778	17.447	52864308	365.459	400	ug/ml
Aliphatic C28-C40	17.448	22.460	55067924	397.179	600	ug/ml
Aliphatic EPH	3.321	22.460	228248001	1620		ug/ml
ortho-Terphenyl (SURR)	12.077	12.077	6596610	40.62		ug/ml
1-chlorooctadecane (SURR)	13.512	13.512	5238795	41.48		ug/ml
Aliphatic C9-C28	3.321	17.447	173180077	1220	1200	ug/ml

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	1710 N4 Ave	Date Received:	
Client Sample ID:	MH-E/FMS	SDG No.:	Q2431
Lab Sample ID:	Q2430-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.2
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
06/27/25 08:30	06/27/25 18:05	PB168635

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	39.1		1	1.34	2.26	mg/kg	FG016160.D
Aliphatic C9-C28	Aliphatic C9-C28	91.0	E	1	1.03	4.53	mg/kg	FG016160.D
Total AliphaticEPH	Total AliphaticEPH	130			2.37	6.79	mg/kg	
Total EPH	Total EPH	130			2.37	6.79	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:	1710 N4 Ave	Date Received:	
Client Sample ID:	MH-E/FMS	SDG No.:	Q2431
Lab Sample ID:	Q2430-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.2
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
FG016160.D	1	06/27/25	06/27/25	PB168635

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		91.0	E	1.03	4.53	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		39.1		1.34	2.26	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		33.7		40 - 140	67%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		32.1		40 - 140	64%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2430-01MS	Acq On:	27 Jun 2025 18:05
Client Sample ID:	MH-E/FMS	Operator:	YP\AJ
Data file:	FG016160.D	Misc:	
Instrument:	FID_G	ALS Vial:	30
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.316	6.955	23922255	218.801	300	ug/ml
Aliphatic C12-C16	6.956	10.413	28002403	250.414	200	ug/ml
Aliphatic C16-C21	10.414	13.802	37290163	325.736	300	ug/ml
Aliphatic C21-C28	13.803	17.485	46989203	410.78	400	ug/ml
Aliphatic C28-C40	17.486	22.536	47679276	518.277	600	ug/ml
Aliphatic EPH	3.316	22.536	183883300	1720		ug/ml
ortho-Terphenyl (SURR)	12.092	12.092	4148176	32.15		ug/ml
1-chlorooctadecane (SURR)	13.535	13.535	3392723	33.67		ug/ml
Aliphatic C9-C28	3.316	17.485	136204024	1210	1200	ug/ml

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	1710 N4 Ave	Date Received:	
Client Sample ID:	MH-E/FMSD	SDG No.:	Q2431
Lab Sample ID:	Q2430-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.2
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/27/25 08:30	06/27/25 18:35	PB168635

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	38.3		1	1.34	2.26	mg/kg	FG016161.D
Aliphatic C9-C28	Aliphatic C9-C28	89.1		1	1.03	4.53	mg/kg	FG016161.D
Total AliphaticEPH	Total AliphaticEPH	127			2.37	6.79	mg/kg	
Total EPH	Total EPH	127			2.37	6.79	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:	1710 N4 Ave	Date Received:	
Client Sample ID:	MH-E/FMSD	SDG No.:	Q2431
Lab Sample ID:	Q2430-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.2
Sample Wt/Vol:	30.04 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
FG016161.D	1	06/27/25	06/27/25	PB168635

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	89.1		1.03	4.53	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	38.3		1.34	2.26	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.9		40 - 140	66%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.5		40 - 140	63%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2430-01MSD	Acq On:	27 Jun 2025 18:35
Client Sample ID:	MH-E/FMSD	Operator:	YP\AJ
Data file:	FG016161.D	Misc:	
Instrument:	FID_G	ALS Vial:	31
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.316	6.955	23296892	213.081	300	ug/ml
Aliphatic C12-C16	6.956	10.413	27368122	244.741	200	ug/ml
Aliphatic C16-C21	10.414	13.802	36491384	318.759	300	ug/ml
Aliphatic C21-C28	13.803	17.485	46014504	402.259	400	ug/ml
Aliphatic C28-C40	17.486	22.536	46659241	507.189	600	ug/ml
Aliphatic EPH	3.316	22.536	179830143	1690		ug/ml
ortho-Terphenyl (SURR)	12.092	12.092	4059736	31.46		ug/ml
1-chlorooctadecane (SURR)	13.536	13.536	3319291	32.94		ug/ml
Aliphatic C9-C28	3.316	17.485	133170902	1180	1200	ug/ml

CALIBRATION SUMMARY

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Inital Calibration Report for SequenceID : FC061825AL

AreaCount

Parameter Range	FC069221.D	FC069222.D	FC069223.D	FC069224.D	FC069225.D	
Aliphatic C9-C12	42176071.000	20640977.000	8581963.000	4632454.000	2366353.000	
Aliphatic C12-C16	29735945.000	14914656.000	6266673.000	3402693.000	1714249.000	
Aliphatic C16-C21	42009240.000	21363842.000	9096606.000	5044763.000	2549195.000	
Aliphatic C21-C28	49153709.000	24681333.000	10474538.000	5764217.000	2970075.000	
Aliphatic C28-C40	51466619.000	25624553.000	10688039.000	5834277.000	3093728.000	
Aliphatic EPH	214541584.000	107225361.000	45107819.000	24678404.000	12693600.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	146679.6266662	6.053				
Aliphatic C12-C16	159210.532	6.932				
Aliphatic C16-C21	154434.3226664	9.092				
Aliphatic C21-C28	133966.3675	8.814				
Aliphatic C28-C40	92124.4166662	8.439				
Aliphatic EPH	128354.1601108	7.942				

Concentration

Parameter Range	FC069221.D	FC069222.D	FC069223.D	FC069224.D	FC069225.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	FC069221.D	FC069222.D	FC069223.D	FC069224.D	FC069225.D	
Aliphatic C9-C12	140586.903333	137606.513333	143032.716666	154415.133333	157756.866666	
Aliphatic C12-C16	148679.725000	149146.560000	156666.825000	170134.650000	171424.900000	
Aliphatic C16-C21	140030.800000	142425.613333	151610.100000	168158.766666	169946.333333	

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Inital Calibration Report for SequenceID : FC061825AL

Aliphatic C21-C28	122884.272500	123406.665000	130931.725000	144105.425000	148503.750000	
Aliphatic C28-C40	85777.698333	85415.176666	89066.991666	97237.950000	103124.266666	
Aliphatic EPH	119189.768888	119139.290000	125299.497222	137102.244444	141040.000000	

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Inital Calibration Report for SequenceID : FE062725AL

AreaCount

Parameter Range	FE054608.D	FE054609.D	FE054610.D	FE054611.D	FE054612.D	
Aliphatic C9-C12	38319626.000	18841259.000	7903525.000	4345683.000	2255301.000	
Aliphatic C12-C16	26299885.000	12905734.000	5443215.000	2993160.000	1565455.000	
Aliphatic C16-C21	40647007.000	19884289.000	8390490.000	4604333.000	2408955.000	
Aliphatic C21-C28	54422256.000	26660814.000	11204648.000	6127397.000	3213117.000	
Aliphatic C28-C40	69156138.000	36606449.000	15572202.000	9126447.000	5222398.000	
Aliphatic EPH	228844912.000	114898545.000	48514080.000	27197020.000	14665226.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	136055.079333	8.044				
Aliphatic C12-C16	140568.128	8.513				
Aliphatic C16-C21	144393.643333	8.376				
Aliphatic C21-C28	144651.717	8.126				
Aliphatic C28-C40	138647.4919998	17.441				
Aliphatic EPH	140720.791333	11.192				

Concentration

Parameter Range	FE054608.D	FE054609.D	FE054610.D	FE054611.D	FE054612.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	FE054608.D	FE054609.D	FE054610.D	FE054611.D	FE054612.D	
Aliphatic C9-C12	127732.086666	125608.393333	131725.416666	144856.100000	150353.400000	
Aliphatic C12-C16	131499.425000	129057.340000	136080.375000	149658.000000	156545.500000	
Aliphatic C16-C21	135490.023333	132561.926666	139841.500000	153477.766666	160597.000000	

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Inital Calibration Report for SequenceID : FE062725AL

Aliphatic C21-C28	136055.640000	133304.070000	140058.100000	153184.925000	160655.850000	
Aliphatic C28-C40	115260.230000	122021.496666	129768.350000	152107.450000	174079.933333	
Aliphatic EPH	127136.062222	127665.050000	134761.333333	151094.555555	162946.955555	

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Continuing Calibration Report for SequenceID : FC063025AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC069326.D**						
Aliphatic C9-C12	9162395.000	60.000	3.308	6.605	152706.583	146679.627	-4.109
Aliphatic C12-C16	6226328.000	40.000	6.606	10.009	155658.200	159210.532	2.231
Aliphatic C16-C21	8817332.000	60.000	10.010	13.379	146955.533	154434.323	4.843
Aliphatic C21-C28	10431684.000	80.000	13.380	17.046	130396.050	133966.368	2.665
Aliphatic C28-C40	11562204.000	120.000	17.047	22.025	96351.700	92124.417	-4.589
Aliphatic EPH	46199943.000	360.000	3.308	22.025	128333.175	128354.160	0.016

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Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	30 Jun 2025 11:14
Client Sample ID:		Operator:	YP/AJ
Data file:	FC069326.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.308	6.605	9162395.000	60.000	ug/ml
Aliphatic C12-C16	6.606	10.009	6226328.000	40.000	ug/ml
Aliphatic C16-C21	10.010	13.379	8817332.000	60.000	ug/ml
Aliphatic C21-C28	13.380	17.046	10431684.000	80.000	ug/ml
Aliphatic C28-C40	17.047	22.025	11562204.000	120.000	ug/ml
Aliphatic EPH	3.308	22.025	46199943.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FC063025AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC069330.D**						
Aliphatic C9-C12	9081249.000	60.000	3.308	6.605	151354.150	146679.627	-3.187
Aliphatic C12-C16	6251541.000	40.000	6.606	10.009	156288.525	159210.532	1.835
Aliphatic C16-C21	8912187.000	60.000	10.010	13.379	148536.450	154434.323	3.819
Aliphatic C21-C28	10573737.000	80.000	13.380	17.046	132171.713	133966.368	1.340
Aliphatic C28-C40	11724019.000	120.000	17.047	22.025	97700.158	92124.417	-6.052
Aliphatic EPH	46542733.000	360.000	3.308	22.025	129285.369	128354.160	-0.725

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Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	30 Jun 2025 14:38
Client Sample ID:		Operator:	YP/AJ
Data file:	FC069330.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.308	6.605	9081249.000	60.000	ug/ml
Aliphatic C12-C16	6.606	10.009	6251541.000	40.000	ug/ml
Aliphatic C16-C21	10.010	13.379	8912187.000	60.000	ug/ml
Aliphatic C21-C28	13.380	17.046	10573737.000	80.000	ug/ml
Aliphatic C28-C40	17.047	22.025	11724019.000	120.000	ug/ml
Aliphatic EPH	3.308	22.025	46542733.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FE062725AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE054615.D**						
Aliphatic C9-C12	7567174.000	60.000	3.317	6.943	126119.567	136055.079	7.303
Aliphatic C12-C16	5235301.000	40.000	6.944	10.391	130882.525	140568.128	6.890
Aliphatic C16-C21	8076702.000	60.000	10.392	13.764	134611.700	144393.643	6.774
Aliphatic C21-C28	10798798.000	80.000	13.765	17.429	134984.975	144651.717	6.683
Aliphatic C28-C40	17217475.000	120.000	17.430	22.428	143478.958	138647.492	-3.485
Aliphatic EPH	48895450.000	360.000	3.317	22.428	135820.694	140720.791	3.482

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Fax : 908 789 8922

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	27 Jun 2025 16:24
Client Sample ID:		Operator:	YP\AJ
Data file:	FE054615.D	Misc:	
Instrument:	FID_E	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.317	6.943	7567174.000	60.000	ug/ml
Aliphatic C12-C16	6.944	10.391	5235301.000	40.000	ug/ml
Aliphatic C16-C21	10.392	13.764	8076702.000	60.000	ug/ml
Aliphatic C21-C28	13.765	17.429	10798798.000	80.000	ug/ml
Aliphatic C28-C40	17.430	22.428	17217475.000	120.000	ug/ml
Aliphatic EPH	3.317	22.428	48895450.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FE062725AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE054624.D**						
Aliphatic C9-C12	7589999.000	60.000	3.317	6.943	126499.983	136055.079	7.023
Aliphatic C12-C16	5272477.000	40.000	6.944	10.391	131811.925	140568.128	6.229
Aliphatic C16-C21	7988617.000	60.000	10.392	13.764	133143.617	144393.643	7.791
Aliphatic C21-C28	10259393.000	80.000	13.765	17.429	128242.413	144651.717	11.344
Aliphatic C28-C40	13988591.000	120.000	17.430	22.428	116571.592	138647.492	15.922
Aliphatic EPH	45099077.000	360.000	3.317	22.428	125275.214	140720.791	10.976

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Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	27 Jun 2025 22:57
Client Sample ID:		Operator:	YP\AJ
Data file:	FE054624.D	Misc:	
Instrument:	FID_E	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.317	6.943	7589999.000	60.000	ug/ml
Aliphatic C12-C16	6.944	10.391	5272477.000	40.000	ug/ml
Aliphatic C16-C21	10.392	13.764	7988617.000	60.000	ug/ml
Aliphatic C21-C28	13.765	17.429	10259393.000	80.000	ug/ml
Aliphatic C28-C40	17.430	22.428	13988591.000	120.000	ug/ml
Aliphatic EPH	3.317	22.428	45099077.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FE070325AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE054684.D**						
Aliphatic C9-C12	9108746.000	60.000	3.321	6.950	151812.433	136055.079	-11.582
Aliphatic C12-C16	6302968.000	40.000	6.951	10.400	157574.200	140568.128	-12.098
Aliphatic C16-C21	9292600.000	60.000	10.401	13.777	154876.667	144393.643	-7.260
Aliphatic C21-C28	13004036.000	80.000	13.778	17.447	162550.450	144651.717	-12.374
Aliphatic C28-C40	16256643.000	120.000	17.448	22.460	135472.025	138647.492	2.290
Aliphatic EPH	53964993.000	360.000	3.321	22.460	149902.758	140720.791	-6.525

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

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	03 Jul 2025 10:49
Client Sample ID:		Operator:	YP\AJ
Data file:	FE054684.D	Misc:	
Instrument:	FID_E	ALS Vial:	6
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.321	6.950	9108746.000	60.000	ug/ml
Aliphatic C12-C16	6.951	10.400	6302968.000	40.000	ug/ml
Aliphatic C16-C21	10.401	13.777	9292600.000	60.000	ug/ml
Aliphatic C21-C28	13.778	17.447	13004036.000	80.000	ug/ml
Aliphatic C28-C40	17.448	22.460	16256643.000	120.000	ug/ml
Aliphatic EPH	3.321	22.460	53964993.000	360.000	ug/ml

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Fax : 908 789 8922

Continuing Calibration Report for SequenceID : FE070325AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE054689.D**						
Aliphatic C9-C12	8054308.000	60.000	3.321	6.950	134238.467	136055.079	1.335
Aliphatic C12-C16	5533018.000	40.000	6.951	10.400	138325.450	140568.128	1.595
Aliphatic C16-C21	8112259.000	60.000	10.401	13.777	135204.317	144393.643	6.364
Aliphatic C21-C28	10158390.000	80.000	13.778	17.447	126979.875	144651.717	12.217
Aliphatic C28-C40	14904720.000	120.000	17.448	22.460	124206.000	138647.492	10.416
Aliphatic EPH	46762695.000	360.000	3.321	22.460	129896.375	140720.791	7.692

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Fax : 908 789 8922

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	03 Jul 2025 15:16
Client Sample ID:		Operator:	YP\AJ
Data file:	FE054689.D	Misc:	
Instrument:	FID_E	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.321	6.950	8054308.000	60.000	ug/ml
Aliphatic C12-C16	6.951	10.400	5533018.000	40.000	ug/ml
Aliphatic C16-C21	10.401	13.777	8112259.000	60.000	ug/ml
Aliphatic C21-C28	13.778	17.447	10158390.000	80.000	ug/ml
Aliphatic C28-C40	17.448	22.460	14904720.000	120.000	ug/ml
Aliphatic EPH	3.321	22.460	46762695.000	360.000	ug/ml

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Fax : 908 789 8922

Continuing Calibration Report for SequenceID : FG062725AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FG016154.D**						
Aliphatic C9-C12	6416956.000	60.000	3.316	6.955	106949.267	109333.554	2.181
Aliphatic C12-C16	4427737.000	40.000	6.956	10.413	110693.425	111824.611	1.012
Aliphatic C16-C21	6800919.000	60.000	10.414	13.802	113348.650	114479.647	0.988
Aliphatic C21-C28	9051271.000	80.000	13.803	17.485	113140.888	114390.192	1.092
Aliphatic C28-C40	11162303.000	120.000	17.486	22.536	93019.192	91995.767	-1.112
Aliphatic EPH	37859186.000	360.000	3.316	22.536	105164.406	105812.455	0.612

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

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	27 Jun 2025 15:08
Client Sample ID:		Operator:	YP\AJ
Data file:	FG016154.D	Misc:	
Instrument:	FID_G	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.316	6.955	6416956.000	60.000	ug/ml
Aliphatic C12-C16	6.956	10.413	4427737.000	40.000	ug/ml
Aliphatic C16-C21	10.414	13.802	6800919.000	60.000	ug/ml
Aliphatic C21-C28	13.803	17.485	9051271.000	80.000	ug/ml
Aliphatic C28-C40	17.486	22.536	11162303.000	120.000	ug/ml
Aliphatic EPH	3.316	22.536	37859186.000	360.000	ug/ml

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

Continuing Calibration Report for SequenceID : FG062725AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FG016167.D**						
Aliphatic C9-C12	6294320.000	60.000	3.316	6.955	104905.333	109333.554	4.050
Aliphatic C12-C16	4354808.000	40.000	6.956	10.413	108870.200	111824.611	2.642
Aliphatic C16-C21	6711300.000	60.000	10.414	13.802	111855.000	114479.647	2.293
Aliphatic C21-C28	8970350.000	80.000	13.803	17.485	112129.375	114390.192	1.976
Aliphatic C28-C40	11181070.000	120.000	17.486	22.536	93175.583	91995.767	-1.282
Aliphatic EPH	37511848.000	360.000	3.316	22.536	104199.578	105812.455	1.524

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

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	27 Jun 2025 22:02
Client Sample ID:		Operator:	YP\AJ
Data file:	FG016167.D	Misc:	
Instrument:	FID_G	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.316	6.955	6294320.000	60.000	ug/ml
Aliphatic C12-C16	6.956	10.413	4354808.000	40.000	ug/ml
Aliphatic C16-C21	10.414	13.802	6711300.000	60.000	ug/ml
Aliphatic C21-C28	13.803	17.485	8970350.000	80.000	ug/ml
Aliphatic C28-C40	17.486	22.536	11181070.000	120.000	ug/ml
Aliphatic EPH	3.316	22.536	37511848.000	360.000	ug/ml

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
Data File : FE054618.D
Signal(s) : FID1B.ch
Acq On : 27 Jun 2025 17:55
Operator : YP\AJ
Sample : Q2431-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
S-1

Integration File: autoint1.e
Quant Time: Jun 28 01:47:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Fri Jun 27 15:19:13 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)	12.064	5301058	32.643 ug/ml
Spiked Amount 50.000		Recovery =	65.29%
12) S 1-chlorooctadecane (S...	13.499	4110560	32.548 ug/ml
Spiked Amount 50.000		Recovery =	65.10%
Target Compounds			

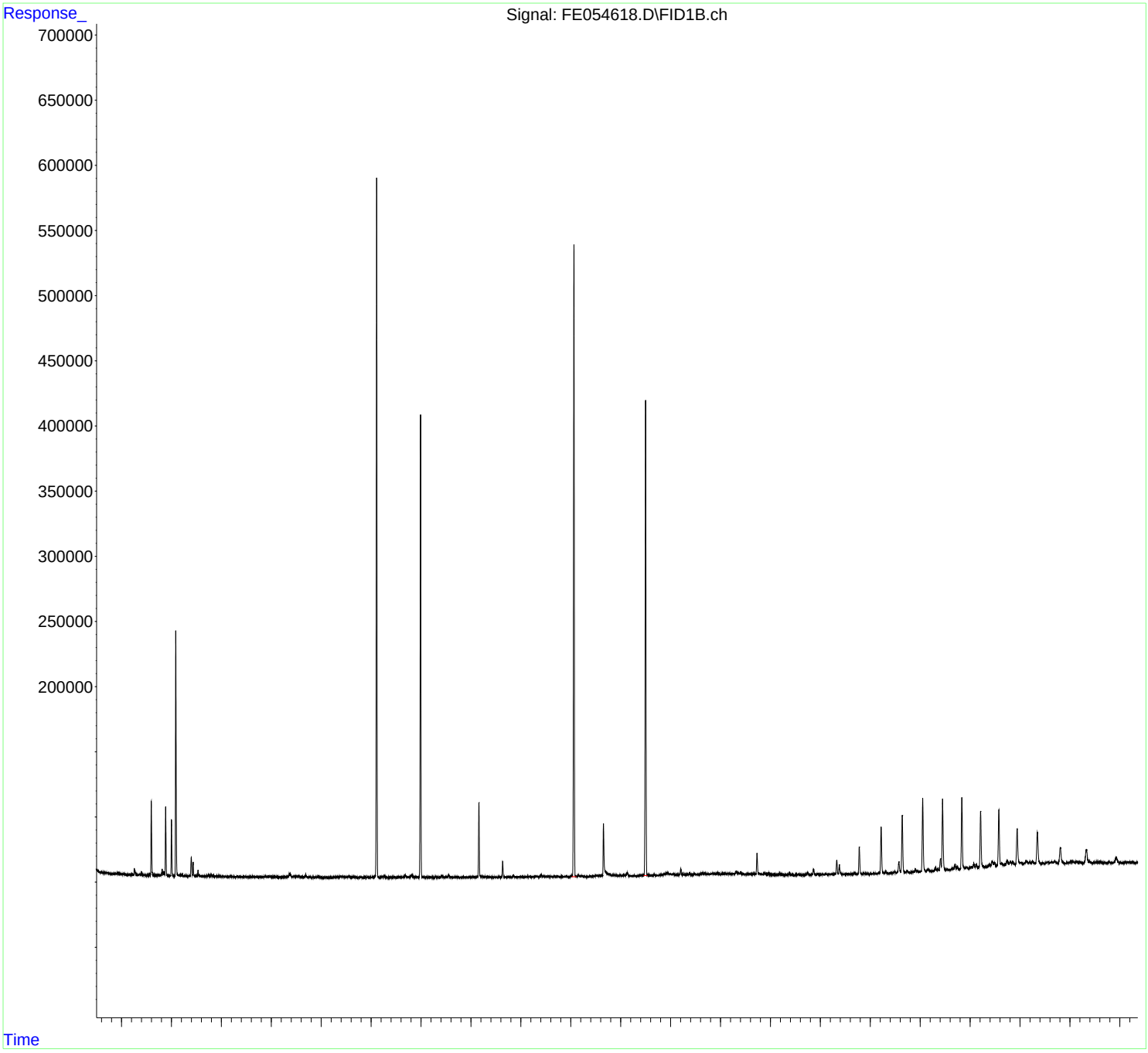
(f)=RT Delta > 1/2 Window (m)=manual int.

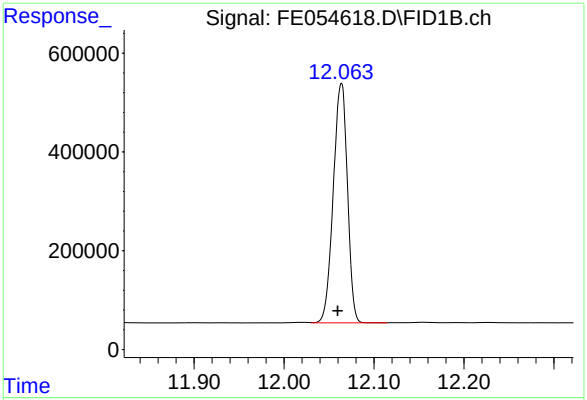
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
Data File : FE054618.D
Signal(s) : FID1B.ch
Acq On : 27 Jun 2025 17:55
Operator : YP\AJ
Sample : Q2431-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
S-1

Integration File: autoint1.e
Quant Time: Jun 28 01:47:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Fri Jun 27 15:19:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

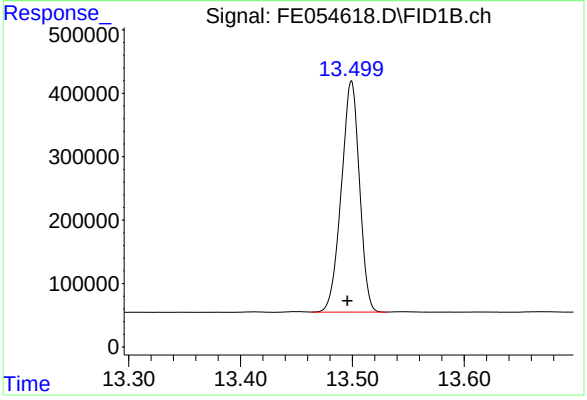




#9 ortho-Terphenyl (SURR)

R.T.: 12.064 min
Delta R.T.: 0.004 min
Response: 5301058
Conc: 32.64 ug/ml

Instrument :
FID_E
ClientSampleId :
S-1



#12 1-chlorooctadecane (SURR)

R.T.: 13.499 min
Delta R.T.: 0.004 min
Response: 4110560
Conc: 32.55 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
Data File : FE054618.D
Signal(s) : FID1B.ch
Acq On : 27 Jun 2025 17:55
Sample : Q2431-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.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	2.882	2.838	2.901	BV	403	2569	0.05%	0.009%
2	2.913	2.901	2.925	PV	687	5363	0.10%	0.019%
3	2.936	2.925	3.021	VV	1176	22078	0.42%	0.078%
4	3.035	3.021	3.104	VV	369	8050	0.15%	0.028%
5	3.123	3.104	3.138	VV	312	3446	0.06%	0.012%
6	3.167	3.138	3.228	PV	330	8205	0.15%	0.029%
7	3.256	3.228	3.338	VV	4731	71739	1.35%	0.252%
8	3.360	3.338	3.380	VV	712	11511	0.22%	0.040%
9	3.399	3.380	3.465	VV	2501	30539	0.58%	0.107%
10	3.484	3.465	3.515	VV	181	2122	0.04%	0.007%
11	3.562	3.530	3.573	VV	587	7988	0.15%	0.028%
12	3.597	3.573	3.694	VV	55701	538435	10.14%	1.893%
13	3.711	3.694	3.722	VV	242	2423	0.05%	0.009%
14	3.733	3.722	3.758	VV	279	4045	0.08%	0.014%
15	3.775	3.758	3.791	VV	364	5376	0.10%	0.019%
16	3.811	3.791	3.838	VV	5015	62591	1.18%	0.220%
17	3.853	3.838	3.864	VV	3055	32429	0.61%	0.114%
18	3.884	3.864	3.961	VV	52579	492349	9.28%	1.731%
19	4.001	3.961	4.063	VV	42883	387779	7.31%	1.363%
20	4.087	4.063	4.174	PV	183776	1713110	32.28%	6.022%
21	4.188	4.174	4.200	VV	648	8537	0.16%	0.030%
22	4.216	4.200	4.242	VV	759	13166	0.25%	0.046%
23	4.255	4.242	4.370	VV	380	15970	0.30%	0.056%
24	4.397	4.370	4.418	VV	14040	169187	3.19%	0.595%
25	4.434	4.418	4.465	VV	10710	103025	1.94%	0.362%
26	4.480	4.465	4.498	VV	346	4890	0.09%	0.017%
27	4.532	4.498	4.549	VV	4748	48421	0.91%	0.170%
28	4.558	4.549	4.635	VV	1151	16452	0.31%	0.058%
29	4.641	4.635	4.651	VV	130	899	0.02%	0.003%
30	4.672	4.651	4.708	VV	378	6312	0.12%	0.022%
31	4.742	4.708	4.769	VV	1226	19847	0.37%	0.070%
32	4.795	4.769	4.843	VV	1496	23801	0.45%	0.084%
33	4.856	4.843	4.874	VV	378	4803	0.09%	0.017%
34	4.894	4.874	4.935	VV	424	8492	0.16%	0.030%
35	4.954	4.935	5.012	VV	850	12623	0.24%	0.044%
36	5.027	5.012	5.045	VV	166	3080	0.06%	0.011%

rteres

37	5.061	5.045	5.083	VV	189	3421	0.06%	0.012%
38	5.113	5.083	5.207	VV	251	8484	0.16%	0.030%
39	5.216	5.207	5.234	VV	74	916	0.02%	0.003%
40	5.242	5.234	5.251	VV	89	895	0.02%	0.003%
41	5.314	5.251	5.335	VV	454	9310	0.18%	0.033%
42	5.360	5.335	5.401	VV	278	6919	0.13%	0.024%
43	5.413	5.401	5.449	VV	221	3629	0.07%	0.013%
44	5.488	5.449	5.558	PV	196	5447	0.10%	0.019%
45	5.575	5.558	5.600	VV	286	3821	0.07%	0.013%
46	5.625	5.600	5.704	VV	657	9959	0.19%	0.035%
47	5.722	5.704	5.748	VV	126	1840	0.03%	0.006%
48	5.778	5.748	5.791	VV	118	2580	0.05%	0.009%
49	5.805	5.791	5.828	VV	186	2835	0.05%	0.010%
50	5.869	5.828	5.898	VV	532	9347	0.18%	0.033%
51	5.908	5.898	5.918	VV	206	2078	0.04%	0.007%
52	5.938	5.918	5.973	VV	513	8207	0.15%	0.029%
53	5.994	5.973	6.034	VV	437	9697	0.18%	0.034%
54	6.077	6.034	6.165	VV	442	20123	0.38%	0.071%
55	6.181	6.165	6.214	VV	202	4519	0.09%	0.016%
56	6.254	6.214	6.305	VV	280	9914	0.19%	0.035%
57	6.332	6.305	6.343	VV	406	6722	0.13%	0.024%
58	6.363	6.343	6.375	VV	2372	29450	0.55%	0.104%
59	6.383	6.375	6.421	VV	1900	28482	0.54%	0.100%
60	6.439	6.421	6.477	VV	685	17693	0.33%	0.062%
61	6.493	6.477	6.521	VV	511	13051	0.25%	0.046%
62	6.557	6.521	6.615	VV	727	26294	0.50%	0.092%
63	6.648	6.615	6.659	VV	337	8332	0.16%	0.029%
64	6.687	6.659	6.736	VV	1902	28790	0.54%	0.101%
65	6.749	6.736	6.811	VV	195	6050	0.11%	0.021%
66	6.833	6.811	6.871	VV	294	6062	0.11%	0.021%
67	6.878	6.871	6.917	VV	134	2656	0.05%	0.009%
68	6.935	6.917	6.979	VV	732	10829	0.20%	0.038%
69	6.991	6.979	7.012	VV	136	1544	0.03%	0.005%
70	7.094	7.012	7.121	PV	193	5290	0.10%	0.019%
71	7.128	7.121	7.134	VV	125	1041	0.02%	0.004%
72	7.143	7.134	7.209	VV	143	3569	0.07%	0.013%
73	7.220	7.209	7.264	VV	131	2943	0.06%	0.010%
74	7.275	7.264	7.288	VV	108	1317	0.02%	0.005%
75	7.326	7.288	7.343	VV	602	10143	0.19%	0.036%
76	7.395	7.343	7.514	VV	923	54885	1.03%	0.193%
77	7.552	7.514	7.646	VV	812	24989	0.47%	0.088%
78	7.662	7.646	7.682	VV	343	4088	0.08%	0.014%
79	7.697	7.682	7.727	VV	103	1856	0.03%	0.007%
80	7.742	7.727	7.766	VV	118	1411	0.03%	0.005%
81	7.792	7.766	7.838	VV	158	4005	0.08%	0.014%
82	7.865	7.838	7.920	VV	130	4312	0.08%	0.015%
83	7.955	7.920	7.978	VV	220	4730	0.09%	0.017%
84	8.029	7.978	8.051	VV	622	11136	0.21%	0.039%
85	8.206	8.187	8.218	VV	606	7618	0.14%	0.027%
86	8.224	8.218	8.240	VV	548	6749	0.13%	0.024%
87	8.258	8.240	8.278	VV	987	13350	0.25%	0.047%
88	8.285	8.278	8.328	VV	444	6499	0.12%	0.023%
89	8.337	8.328	8.348	VV	149	1293	0.02%	0.005%

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90	8.352	8.348	8.374	VV	141	1580	0.03%	0.006%
91	8.382	8.374	8.391	VV	91	993	0.02%	0.003%
92	8.408	8.391	8.444	VV	160	3703	0.07%	0.013%
93	8.571	8.444	8.607	VV	412	19397	0.37%	0.068%
94	8.648	8.607	8.659	VV	471	10550	0.20%	0.037%
95	8.683	8.659	8.741	VV	1456	38067	0.72%	0.134%
96	8.816	8.741	8.890	VV	2077	64178	1.21%	0.226%
97	8.913	8.890	8.953	VV	715	13821	0.26%	0.049%
98	9.117	9.099	9.131	VV	375	5979	0.11%	0.021%
99	9.154	9.131	9.254	VV	746	21594	0.41%	0.076%
100	9.290	9.254	9.350	PV	810	16940	0.32%	0.060%
101	9.412	9.350	9.471	VV	1075	27854	0.52%	0.098%
102	9.506	9.471	9.518	VV	394	7067	0.13%	0.025%
103	9.550	9.518	9.634	VV	1941	43615	0.82%	0.153%
104	9.701	9.634	9.776	VV	407	16741	0.32%	0.059%
105	9.796	9.776	9.813	VV	157	2456	0.05%	0.009%
106	9.841	9.813	9.858	VV	347	4996	0.09%	0.018%
107	9.891	9.858	9.932	VV	426	9987	0.19%	0.035%
108	9.966	9.932	10.013	VV	346	10120	0.19%	0.036%
109	10.043	10.013	10.112	VV	644	18324	0.35%	0.064%
110	10.160	10.112	10.208	VV	57361	604903	11.40%	2.126%
111	10.227	10.208	10.274	VV	497	10549	0.20%	0.037%
112	10.292	10.274	10.343	VV	618	13841	0.26%	0.049%
113	10.359	10.343	10.378	VV	197	3044	0.06%	0.011%
114	10.397	10.378	10.419	VV	229	3541	0.07%	0.012%
115	10.437	10.419	10.528	VV	207	5450	0.10%	0.019%
116	10.552	10.528	10.574	PV	139	1909	0.04%	0.007%
117	10.587	10.574	10.601	VV	102	980	0.02%	0.003%
118	10.636	10.601	10.664	VV	12278	126192	2.38%	0.444%
119	10.682	10.664	10.700	VV	292	3973	0.07%	0.014%
120	10.730	10.700	10.773	VV	397	9274	0.17%	0.033%
121	10.785	10.773	10.796	VV	101	1205	0.02%	0.004%
122	10.849	10.796	10.884	VV	1547	26418	0.50%	0.093%
123	10.904	10.884	10.928	VV	314	5711	0.11%	0.020%
124	10.948	10.928	10.969	VV	260	5230	0.10%	0.018%
125	10.986	10.969	11.003	VV	747	9493	0.18%	0.033%
126	11.030	11.003	11.068	VV	451	9020	0.17%	0.032%
127	11.072	11.068	11.079	VV	115	419	0.01%	0.001%
128	11.131	11.079	11.154	PV	456	11175	0.21%	0.039%
129	11.166	11.154	11.204	VV	282	4540	0.09%	0.016%
130	11.226	11.204	11.251	VV	224	3775	0.07%	0.013%
131	11.289	11.251	11.304	VV	775	13122	0.25%	0.046%
132	11.315	11.304	11.341	VV	665	9492	0.18%	0.033%
133	11.406	11.341	11.493	VV	1595	48921	0.92%	0.172%
134	11.496	11.493	11.505	VV	311	2168	0.04%	0.008%
135	11.522	11.505	11.532	VV	396	5355	0.10%	0.019%
136	11.553	11.532	11.615	VV	356	13581	0.26%	0.048%
137	11.625	11.615	11.636	VV	242	2103	0.04%	0.007%
138	11.667	11.636	11.694	VV	668	12165	0.23%	0.043%
139	11.711	11.694	11.724	VV	482	6750	0.13%	0.024%
140	11.737	11.724	11.794	VV	626	8982	0.17%	0.032%
141	11.817	11.794	11.878	VV	723	12525	0.24%	0.044%

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142	11.900	11.878	11.917	VV	438	5345	0.10%	0.019%
143	11.931	11.917	11.955	VV	263	3597	0.07%	0.013%
144	12.019	11.955	12.030	PV	1092	17043	0.32%	0.060%
145	12.064	12.030	12.113	VV	490303	5307615	100.00%	18.657%
146	12.154	12.113	12.181	VV	1281	23879	0.45%	0.084%
147	12.192	12.181	12.211	VV	532	7348	0.14%	0.026%
148	12.227	12.211	12.262	VV	828	13563	0.26%	0.048%
149	12.284	12.262	12.318	VV	190	4592	0.09%	0.016%
150	12.336	12.318	12.359	VV	202	2850	0.05%	0.010%
151	12.395	12.359	12.421	VV	617	11754	0.22%	0.041%
152	12.461	12.421	12.480	VV	514	12226	0.23%	0.043%
153	12.529	12.480	12.546	VV	1073	27749	0.52%	0.098%
154	12.577	12.546	12.602	VV	897	25985	0.49%	0.091%
155	12.655	12.602	12.728	VV	40493	582651	10.98%	2.048%
156	12.742	12.728	12.760	VV	2273	40723	0.77%	0.143%
157	12.771	12.760	12.825	VV	1978	58628	1.10%	0.206%
158	12.840	12.825	12.854	VV	1174	20153	0.38%	0.071%
159	12.860	12.854	12.911	VV	1212	34071	0.64%	0.120%
160	12.925	12.911	12.944	VV	934	15923	0.30%	0.056%
161	12.990	12.944	13.019	VV	1185	34879	0.66%	0.123%
162	13.048	13.019	13.068	VV	1388	25386	0.48%	0.089%
163	13.081	13.068	13.095	VV	1247	16100	0.30%	0.057%
164	13.134	13.095	13.162	VV	2823	63092	1.19%	0.222%
165	13.180	13.162	13.241	VV	604	20547	0.39%	0.072%
166	13.260	13.241	13.289	VV	585	12977	0.24%	0.046%
167	13.307	13.289	13.335	VV	469	11219	0.21%	0.039%
168	13.348	13.335	13.370	VV	484	8046	0.15%	0.028%
169	13.412	13.370	13.430	VV	1061	20722	0.39%	0.073%
170	13.450	13.430	13.463	VV	1386	19313	0.36%	0.068%
171	13.499	13.463	13.531	VV	363808	4136429	77.93%	14.540%
172	13.545	13.531	13.597	VV	1191	29921	0.56%	0.105%
173	13.614	13.597	13.644	VV	769	17077	0.32%	0.060%
174	13.669	13.644	13.708	VV	1201	30512	0.57%	0.107%
175	13.714	13.708	13.729	VV	608	7294	0.14%	0.026%
176	13.836	13.729	13.850	VV	1247	64829	1.22%	0.228%
177	13.868	13.850	13.894	VV	1860	40464	0.76%	0.142%
178	13.912	13.894	13.926	VV	2491	39698	0.75%	0.140%
179	13.945	13.926	13.978	VV	2685	65223	1.23%	0.229%
180	13.996	13.978	14.028	VV	1744	43898	0.83%	0.154%
181	14.057	14.028	14.091	VV	1621	49712	0.94%	0.175%
182	14.108	14.091	14.135	VV	1185	29182	0.55%	0.103%
183	14.147	14.135	14.158	VV	984	13294	0.25%	0.047%
184	14.202	14.158	14.229	VV	5351	93769	1.77%	0.330%
185	14.251	14.229	14.289	VV	1450	41730	0.79%	0.147%
186	14.305	14.289	14.325	VV	1061	21342	0.40%	0.075%
187	14.378	14.325	14.411	VV	2646	73698	1.39%	0.259%
188	14.422	14.411	14.435	VV	1053	14619	0.28%	0.051%
189	14.483	14.435	14.508	VV	1633	55856	1.05%	0.196%
190	14.522	14.508	14.559	VV	1094	32326	0.61%	0.114%
191	14.606	14.559	14.620	VV	1784	47165	0.89%	0.166%
192	14.640	14.620	14.665	VV	2252	45341	0.85%	0.159%
193	14.688	14.665	14.717	VV	2263	51489	0.97%	0.181%
194	14.724	14.717	14.733	VV	1397	12498	0.24%	0.044%

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195	14.752	14.733	14.781	VV	1337	36611	0.69%	0.129%
196	14.832	14.781	14.864	VV	1870	76553	1.44%	0.269%
197	14.884	14.864	14.907	VV	1801	39277	0.74%	0.138%
198	14.941	14.907	15.004	VV	1991	87636	1.65%	0.308%
199	15.042	15.004	15.069	VV	2030	57896	1.09%	0.204%
200	15.084	15.069	15.117	VV	1509	41806	0.79%	0.147%
201	15.129	15.117	15.143	VV	1495	21682	0.41%	0.076%
202	15.152	15.143	15.174	VV	1534	26641	0.50%	0.094%
203	15.197	15.174	15.231	VV	1688	46237	0.87%	0.163%
204	15.249	15.231	15.256	VV	1365	19841	0.37%	0.070%
205	15.265	15.256	15.278	VV	1332	17228	0.32%	0.061%
206	15.314	15.278	15.341	VV	3559	85853	1.62%	0.302%
207	15.352	15.341	15.375	VV	2251	37999	0.72%	0.134%
208	15.399	15.375	15.438	VV	2920	66189	1.25%	0.233%
209	15.445	15.438	15.475	VV	1265	26118	0.49%	0.092%
210	15.494	15.475	15.518	VV	1174	28265	0.53%	0.099%
211	15.550	15.518	15.581	VV	1431	44173	0.83%	0.155%
212	15.615	15.581	15.650	VV	1119	41148	0.78%	0.145%
213	15.659	15.650	15.700	VV	1034	29267	0.55%	0.103%
214	15.731	15.700	15.768	VV	17043	237766	4.48%	0.836%
215	15.777	15.768	15.855	VV	1409	55450	1.04%	0.195%
216	15.878	15.855	15.917	VV	1727	46716	0.88%	0.164%
217	15.958	15.917	15.988	VV	1750	44920	0.85%	0.158%
218	16.005	15.988	16.029	VV	811	15901	0.30%	0.056%
219	16.056	16.029	16.082	VV	642	16641	0.31%	0.058%
220	16.107	16.082	16.124	VV	706	14041	0.26%	0.049%
221	16.149	16.124	16.168	VV	908	17396	0.33%	0.061%
222	16.186	16.168	16.217	VV	1266	23044	0.43%	0.081%
223	16.248	16.217	16.277	VV	833	18852	0.36%	0.066%
224	16.297	16.277	16.328	VV	391	9911	0.19%	0.035%
225	16.343	16.328	16.355	VV	361	4862	0.09%	0.017%
226	16.378	16.355	16.424	VV	2212	35261	0.66%	0.124%
227	16.440	16.424	16.471	VV	549	7546	0.14%	0.027%
228	16.488	16.471	16.499	VV	198	2622	0.05%	0.009%
229	16.525	16.499	16.536	VV	343	5807	0.11%	0.020%
230	16.564	16.536	16.643	VV	635	19638	0.37%	0.069%
231	16.686	16.643	16.694	PV	296	4655	0.09%	0.016%
232	16.747	16.694	16.784	VV	1820	41331	0.78%	0.145%
233	16.803	16.784	16.813	VV	323	4765	0.09%	0.017%
234	16.861	16.813	16.921	VV	4123	71791	1.35%	0.252%
235	16.942	16.921	16.988	VV	982	16534	0.31%	0.058%
236	17.008	16.988	17.041	VV	482	10035	0.19%	0.035%
237	17.060	17.041	17.083	VV	538	7601	0.14%	0.027%
238	17.107	17.083	17.161	PV	692	13514	0.25%	0.048%
239	17.176	17.161	17.199	VV	584	7774	0.15%	0.027%
240	17.231	17.199	17.253	VV	682	13736	0.26%	0.048%
241	17.329	17.253	17.356	VV	11058	167075	3.15%	0.587%
242	17.381	17.356	17.439	VV	7452	111225	2.10%	0.391%
243	17.448	17.439	17.499	VV	328	8733	0.16%	0.031%
244	17.531	17.499	17.558	VV	485	10497	0.20%	0.037%
245	17.569	17.558	17.591	VV	384	5405	0.10%	0.019%
246	17.604	17.591	17.637	VV	378	7208	0.14%	0.025%

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247	17.680	17.637	17.738	PV	1341	30716	0.58%	0.108%
248	17.780	17.738	17.831	VV	20737	292060	5.50%	1.027%
249	17.866	17.831	17.925	VV	618	19598	0.37%	0.069%
250	17.945	17.925	17.979	VV	346	7014	0.13%	0.025%
251	18.004	17.979	18.031	VV	301	3928	0.07%	0.014%
252	18.064	18.031	18.088	VV	436	7462	0.14%	0.026%
253	18.101	18.088	18.124	VV	320	4052	0.08%	0.014%
254	18.173	18.124	18.186	PV	1086	15866	0.30%	0.056%
255	18.218	18.186	18.282	VV	35650	521641	9.83%	1.834%
256	18.307	18.282	18.374	VV	1932	32702	0.62%	0.115%
257	18.457	18.374	18.470	PV	564	13402	0.25%	0.047%
258	18.492	18.470	18.521	VV	1234	21428	0.40%	0.075%
259	18.573	18.521	18.611	VV	8545	155659	2.93%	0.547%
260	18.640	18.611	18.705	VV	44196	650285	12.25%	2.286%
261	18.735	18.705	18.802	VV	1398	28877	0.54%	0.102%
262	18.851	18.802	18.871	PV	537	8823	0.17%	0.031%
263	18.905	18.871	18.929	VV	2301	38430	0.72%	0.135%
264	18.949	18.929	18.978	VV	1009	14312	0.27%	0.050%
265	19.051	18.978	19.117	VV	56281	810806	15.28%	2.850%
266	19.154	19.117	19.231	VV	1566	45587	0.86%	0.160%
267	19.253	19.231	19.271	VV	186	1972	0.04%	0.007%
268	19.307	19.271	19.335	VV	2780	43240	0.81%	0.152%
269	19.354	19.335	19.373	VV	1596	22516	0.42%	0.079%
270	19.405	19.373	19.422	VV	9149	135847	2.56%	0.478%
271	19.449	19.422	19.511	VV	54272	805912	15.18%	2.833%
272	19.549	19.511	19.585	VV	799	21450	0.40%	0.075%
273	19.646	19.585	19.666	VV	1380	36095	0.68%	0.127%
274	19.696	19.666	19.721	VV	4294	72388	1.36%	0.254%
275	19.742	19.721	19.788	VV	2570	47317	0.89%	0.166%
276	19.835	19.788	19.893	VV	55207	816281	15.38%	2.869%
277	19.935	19.893	19.967	VV	1792	45179	0.85%	0.159%
278	20.019	19.967	20.045	VV	1557	48174	0.91%	0.169%
279	20.075	20.045	20.098	VV	3685	76146	1.43%	0.268%
280	20.121	20.098	20.160	VV	3501	73225	1.38%	0.257%
281	20.210	20.160	20.290	VV	43739	713080	13.44%	2.507%
282	20.312	20.290	20.332	VV	1353	26430	0.50%	0.093%
283	20.393	20.332	20.412	VV	2398	80251	1.51%	0.282%
284	20.441	20.412	20.469	VV	4732	115101	2.17%	0.405%
285	20.488	20.469	20.528	VV	4035	86108	1.62%	0.303%
286	20.576	20.528	20.615	VV	44212	721861	13.60%	2.537%
287	20.636	20.615	20.682	VV	3041	93778	1.77%	0.330%
288	20.741	20.682	20.779	VV	5153	169311	3.19%	0.595%
289	20.803	20.779	20.829	VV	3901	92949	1.75%	0.327%
290	20.851	20.829	20.883	VV	3991	89523	1.69%	0.315%
291	20.943	20.883	21.007	VV	28589	602130	11.34%	2.117%
292	21.019	21.007	21.065	VV	2693	73565	1.39%	0.259%
293	21.128	21.065	21.168	VV	3516	153289	2.89%	0.539%
294	21.193	21.168	21.221	VV	3049	75559	1.42%	0.266%
295	21.248	21.221	21.294	VV	3187	94874	1.79%	0.333%
296	21.347	21.294	21.428	VV	25141	552939	10.42%	1.944%
297	21.454	21.428	21.485	VV	1487	35052	0.66%	0.123%
298	21.556	21.485	21.601	VV	1894	91380	1.72%	0.321%
299	21.630	21.601	21.655	VV	1726	46641	0.88%	0.164%

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300	21.695	21.655	21.755	VV	2168	79442	1.50%	0.279%
301	21.807	21.755	21.908	VV	12348	300073	5.65%	1.055%
302	21.944	21.908	21.959	VV	465	10019	0.19%	0.035%
303	22.050	21.959	22.088	VV	984	52467	0.99%	0.184%
304	22.126	22.088	22.167	VV	783	23342	0.44%	0.082%

Sum of corrected areas: 28448104

Aliphatic EPH 062725.M Sat Jun 28 02:35:48 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC063025AL\
Data File : FC069327.D
Signal(s) : FID1A.ch
Acq On : 30 Jun 2025 11:59
Operator : YP/AJ
Sample : Q2431-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
S-2

Integration File: autoint1.e
Quant Time: Jul 01 05:04:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 14:24:27 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)	11.678	4645575	26.891 ug/ml
Spiked Amount 50.000		Recovery =	53.78%
12) S 1-chlorooctadecane (S...	13.113	3520509	26.948 ug/ml
Spiked Amount 50.000		Recovery =	53.90%
Target Compounds			

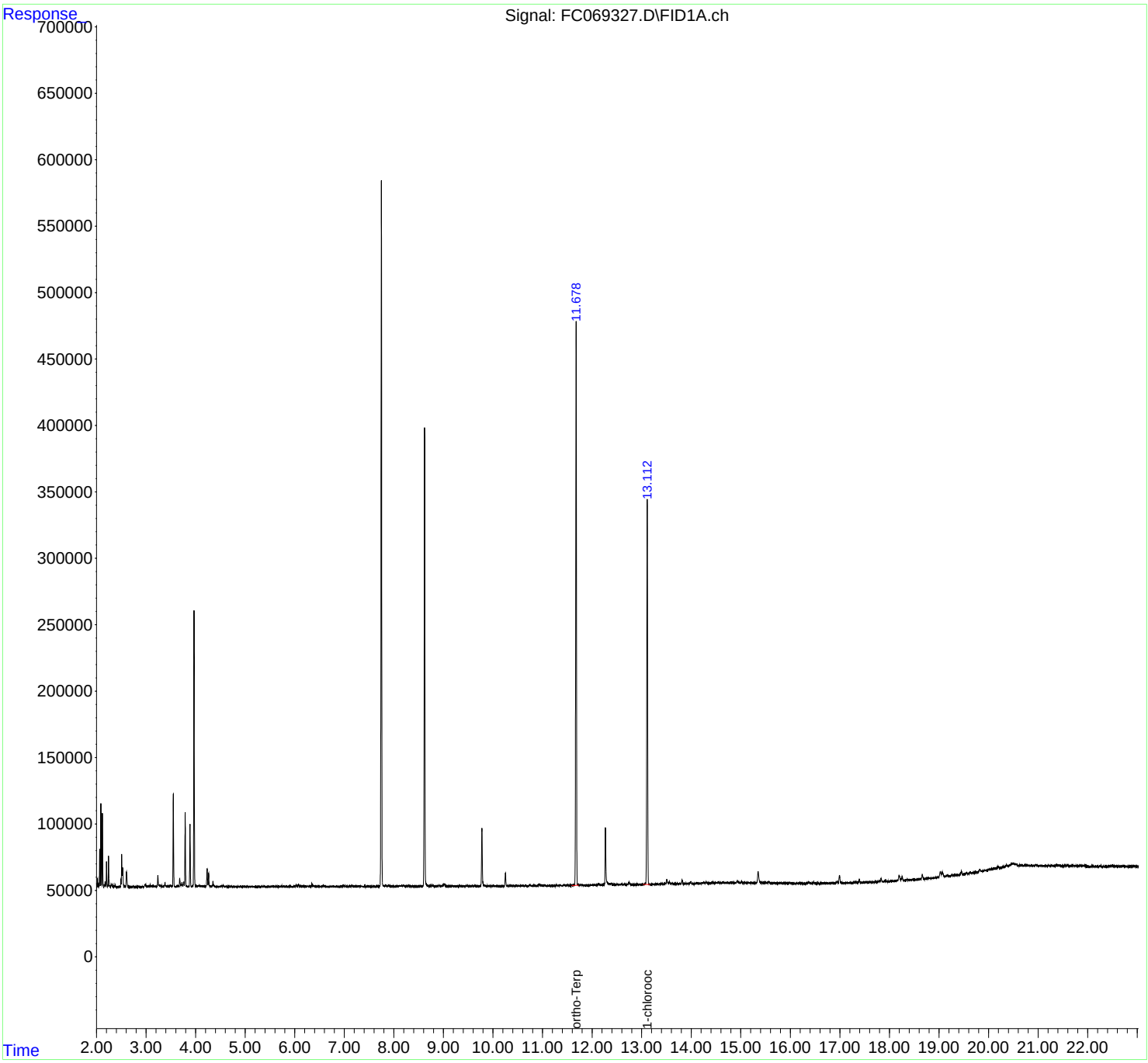
(f)=RT Delta > 1/2 Window (m)=manual int.

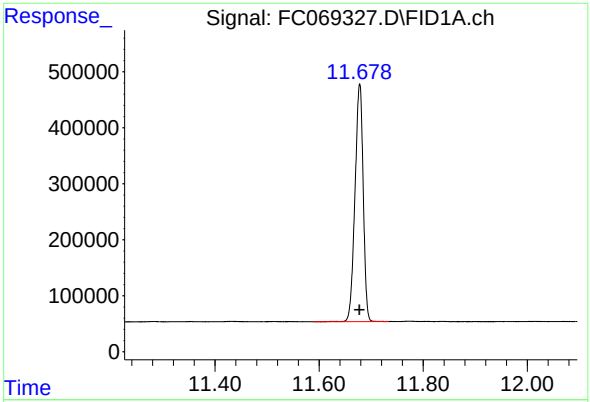
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC063025AL\
Data File : FC069327.D
Signal(s) : FID1A.ch
Acq On : 30 Jun 2025 11:59
Operator : YP/AJ
Sample : Q2431-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
S-2

Integration File: autoint1.e
Quant Time: Jul 01 05:04:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 14:24:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

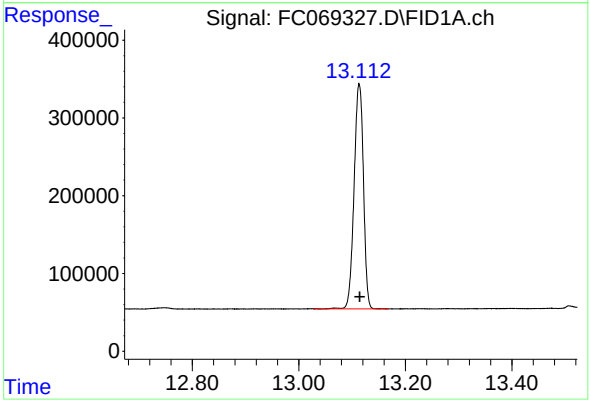




#9 ortho-Terphenyl (SURR)

R.T.: 11.678 min
Delta R.T.: 0.000 min
Response: 4645575
Conc: 26.89 ug/ml

Instrument :
FID_C
ClientSampleId :
S-2



#12 1-chlorooctadecane (SURR)

R.T.: 13.113 min
Delta R.T.: 0.000 min
Response: 3520509
Conc: 26.95 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC063025AL\
Data File : FC069327.D
Signal(s) : FID1A.ch
Acq On : 30 Jun 2025 11:59
Sample : Q2431-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.239	3.204	3.274	BV	8456	81068	1.74%	0.358%
2	3.284	3.274	3.301	VV	650	7036	0.15%	0.031%
3	3.314	3.301	3.344	VV	428	4054	0.09%	0.018%
4	3.383	3.344	3.414	VV	3017	28709	0.62%	0.127%
5	3.420	3.414	3.434	VV	293	2577	0.06%	0.011%
6	3.448	3.434	3.465	VV	272	3798	0.08%	0.017%
7	3.482	3.465	3.498	VV	783	8587	0.18%	0.038%
8	3.509	3.498	3.528	VV	570	7895	0.17%	0.035%
9	3.551	3.528	3.611	VV	68870	550724	11.81%	2.430%
10	3.627	3.611	3.663	VV	784	10920	0.23%	0.048%
11	3.680	3.663	3.711	VV	5713	66685	1.43%	0.294%
12	3.724	3.711	3.741	VV	3069	29303	0.63%	0.129%
13	3.760	3.741	3.771	VV	3623	34455	0.74%	0.152%
14	3.790	3.771	3.861	VV	55345	446849	9.58%	1.971%
15	3.887	3.861	3.918	PV	46553	376751	8.08%	1.662%
16	3.968	3.918	4.031	VV	208198	1701268	36.48%	7.505%
17	4.051	4.031	4.071	VV	756	12477	0.27%	0.055%
18	4.080	4.071	4.095	VV	712	7934	0.17%	0.035%
19	4.104	4.095	4.135	VV	678	11205	0.24%	0.049%
20	4.149	4.135	4.166	VV	492	7052	0.15%	0.031%
21	4.232	4.166	4.250	VV	13651	160333	3.44%	0.707%
22	4.263	4.250	4.308	VV	10096	91298	1.96%	0.403%
23	4.316	4.308	4.331	VV	232	3027	0.06%	0.013%
24	4.350	4.331	4.386	VV	4074	44081	0.95%	0.194%
25	4.407	4.386	4.428	VV	185	3248	0.07%	0.014%
26	4.443	4.428	4.460	VV	158	2250	0.05%	0.010%
27	4.477	4.460	4.500	VV	346	4413	0.09%	0.019%
28	4.530	4.500	4.540	VV	607	7784	0.17%	0.034%
29	4.554	4.540	4.608	VV	1302	15444	0.33%	0.068%
30	4.621	4.608	4.645	PV	271	3023	0.06%	0.013%
31	4.654	4.645	4.665	VV	76	706	0.02%	0.003%
32	4.724	4.665	4.746	VV	673	8038	0.17%	0.035%
33	4.759	4.746	4.798	PV	82	1449	0.03%	0.006%
34	4.812	4.798	4.827	VV	126	1165	0.02%	0.005%
35	4.838	4.827	4.908	VV	91	4054	0.09%	0.018%
36	4.919	4.908	4.956	VV	161	3145	0.07%	0.014%

rteres

37	4.986	4.956	5.015	VV	134	3010	0.06%	0.013%
38	5.035	5.015	5.057	VV	316	5063	0.11%	0.022%
39	5.069	5.057	5.101	VV	192	4281	0.09%	0.019%
40	5.118	5.101	5.140	VV	223	3942	0.08%	0.017%
41	5.162	5.140	5.188	VV	231	4093	0.09%	0.018%
42	5.216	5.188	5.238	VV	146	2829	0.06%	0.012%
43	5.251	5.238	5.315	PV	118	2784	0.06%	0.012%
44	5.335	5.315	5.383	VV	576	7331	0.16%	0.032%
45	5.396	5.383	5.403	VV	155	1112	0.02%	0.005%
46	5.407	5.403	5.429	VV	92	1169	0.03%	0.005%
47	5.446	5.429	5.484	VV	123	2391	0.05%	0.011%
48	5.521	5.484	5.534	VV	163	2593	0.06%	0.011%
49	5.547	5.534	5.607	VV	392	9803	0.21%	0.043%
50	5.623	5.607	5.655	VV	398	7512	0.16%	0.033%
51	5.664	5.655	5.694	VV	343	3867	0.08%	0.017%
52	5.708	5.694	5.731	VV	256	4704	0.10%	0.021%
53	5.738	5.731	5.782	VV	315	5788	0.12%	0.026%
54	5.812	5.782	5.850	VV	216	6014	0.13%	0.027%
55	5.864	5.850	5.884	VV	313	3660	0.08%	0.016%
56	5.907	5.884	5.968	VV	507	11716	0.25%	0.052%
57	6.027	5.968	6.048	VV	1290	22392	0.48%	0.099%
58	6.075	6.048	6.121	VV	1708	33188	0.71%	0.146%
59	6.132	6.121	6.153	VV	424	6370	0.14%	0.028%
60	6.164	6.153	6.192	VV	359	6065	0.13%	0.027%
61	6.216	6.192	6.247	VV	387	9596	0.21%	0.042%
62	6.257	6.247	6.324	VV	353	12214	0.26%	0.054%
63	6.347	6.324	6.411	VV	1733	31836	0.68%	0.140%
64	6.420	6.411	6.438	VV	296	4223	0.09%	0.019%
65	6.444	6.438	6.458	VV	291	2946	0.06%	0.013%
66	6.503	6.458	6.552	VV	446	16846	0.36%	0.074%
67	6.574	6.552	6.648	VV	651	15313	0.33%	0.068%
68	6.660	6.648	6.674	VV	126	1736	0.04%	0.008%
69	6.678	6.674	6.686	VV	125	639	0.01%	0.003%
70	6.690	6.686	6.698	VV	95	478	0.01%	0.002%
71	6.712	6.698	6.748	VV	140	3075	0.07%	0.014%
72	6.779	6.748	6.848	VV	202	7248	0.16%	0.032%
73	6.868	6.848	6.886	PV	97	2056	0.04%	0.009%
74	6.895	6.886	6.938	VV	112	2557	0.05%	0.011%
75	6.972	6.938	7.084	VV	772	27743	0.59%	0.122%
76	7.096	7.084	7.100	VV	149	1372	0.03%	0.006%
77	7.114	7.100	7.137	VV	370	4640	0.10%	0.020%
78	7.154	7.137	7.221	VV	1189	19273	0.41%	0.085%
79	7.228	7.221	7.239	VV	221	1926	0.04%	0.008%
80	7.296	7.239	7.314	VV	381	9970	0.21%	0.044%
81	7.328	7.314	7.394	VV	224	7098	0.15%	0.031%
82	7.411	7.394	7.424	VV	588	2802	0.06%	0.012%
83	7.435	7.424	7.470	VV	213	3118	0.07%	0.014%
84	7.488	7.470	7.514	VV	186	2784	0.06%	0.012%
85	7.562	7.514	7.601	VV	164	4837	0.10%	0.021%
86	7.618	7.601	7.630	PV	96	1235	0.03%	0.005%
87	7.648	7.630	7.698	VV	451	8556	0.18%	0.038%
88	7.843	7.814	7.871	VV	595	16033	0.34%	0.071%
89	7.885	7.871	7.902	VV	829	10538	0.23%	0.046%

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90	7.913	7.902	7.969	VV	622	9864	0.21%	0.044%
91	7.982	7.969	7.992	VV	323	2589	0.06%	0.011%
92	7.998	7.992	8.010	VV	177	1618	0.03%	0.007%
93	8.020	8.010	8.058	VV	243	5263	0.11%	0.023%
94	8.196	8.058	8.225	VV	692	41825	0.90%	0.185%
95	8.268	8.225	8.289	VV	628	16624	0.36%	0.073%
96	8.302	8.289	8.351	VV	462	9032	0.19%	0.040%
97	8.362	8.351	8.401	VV	151	3447	0.07%	0.015%
98	8.423	8.401	8.451	VV	189	3319	0.07%	0.015%
99	8.455	8.451	8.470	VV	107	660	0.01%	0.003%
100	8.481	8.470	8.504	PV	113	1304	0.03%	0.006%
101	8.533	8.504	8.565	PV	453	7610	0.16%	0.034%
102	8.771	8.725	8.828	VV	912	28112	0.60%	0.124%
103	8.837	8.828	8.863	VV	215	3723	0.08%	0.016%
104	8.872	8.863	8.880	VV	171	1594	0.03%	0.007%
105	8.910	8.880	8.956	VV	862	15988	0.34%	0.071%
106	9.019	8.956	9.091	VV	1670	50971	1.09%	0.225%
107	9.098	9.091	9.111	VV	182	2004	0.04%	0.009%
108	9.130	9.111	9.151	VV	340	5187	0.11%	0.023%
109	9.183	9.151	9.214	VV	318	7844	0.17%	0.035%
110	9.229	9.214	9.253	VV	230	3835	0.08%	0.017%
111	9.264	9.253	9.293	VV	165	2717	0.06%	0.012%
112	9.312	9.293	9.334	VV	198	3602	0.08%	0.016%
113	9.355	9.334	9.374	VV	223	3447	0.07%	0.015%
114	9.388	9.374	9.396	VV	141	1421	0.03%	0.006%
115	9.420	9.396	9.441	VV	172	3524	0.08%	0.016%
116	9.507	9.441	9.526	VV	403	14443	0.31%	0.064%
117	9.537	9.526	9.558	VV	251	4228	0.09%	0.019%
118	9.574	9.558	9.608	VV	307	7389	0.16%	0.033%
119	9.619	9.608	9.664	VV	256	6615	0.14%	0.029%
120	9.678	9.664	9.704	VV	257	4346	0.09%	0.019%
121	9.778	9.704	9.888	VV	43787	499765	10.72%	2.205%
122	9.906	9.888	9.938	VV	372	6842	0.15%	0.030%
123	9.952	9.938	9.988	VV	131	2795	0.06%	0.012%
124	9.992	9.988	9.997	VV	219	825	0.02%	0.004%
125	10.015	9.997	10.041	VV	312	5319	0.11%	0.023%
126	10.050	10.041	10.098	VV	160	3703	0.08%	0.016%
127	10.105	10.098	10.139	VV	90	1401	0.03%	0.006%
128	10.152	10.139	10.174	VV	75	965	0.02%	0.004%
129	10.183	10.174	10.197	PV	86	917	0.02%	0.004%
130	10.212	10.197	10.222	VV	80	894	0.02%	0.004%
131	10.252	10.222	10.313	PV	9956	111900	2.40%	0.494%
132	10.348	10.313	10.438	VV	682	24433	0.52%	0.108%
133	10.462	10.438	10.470	VV	225	3954	0.08%	0.017%
134	10.481	10.470	10.493	VV	253	2801	0.06%	0.012%
135	10.511	10.493	10.524	VV	400	4956	0.11%	0.022%
136	10.544	10.524	10.579	VV	383	8536	0.18%	0.038%
137	10.602	10.579	10.626	VV	388	6594	0.14%	0.029%
138	10.649	10.626	10.664	VV	361	5085	0.11%	0.022%
139	10.671	10.664	10.688	VV	144	1506	0.03%	0.007%
140	10.744	10.688	10.768	VV	911	16861	0.36%	0.074%
141	10.784	10.768	10.819	VV	231	5693	0.12%	0.025%

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142	10.839	10.819	10.879	VV	276	5944	0.13%	0.026%
143	10.927	10.879	11.010	VV	1388	34167	0.73%	0.151%
144	11.043	11.010	11.063	VV	575	10110	0.22%	0.045%
145	11.077	11.063	11.121	VV	264	6173	0.13%	0.027%
146	11.128	11.121	11.143	VV	150	1628	0.03%	0.007%
147	11.156	11.143	11.191	VV	132	2166	0.05%	0.010%
148	11.217	11.191	11.247	PV	118	2133	0.05%	0.009%
149	11.282	11.247	11.306	PV	557	7942	0.17%	0.035%
150	11.353	11.306	11.401	VV	440	11234	0.24%	0.050%
151	11.433	11.401	11.471	VV	771	15831	0.34%	0.070%
152	11.514	11.471	11.531	VV	457	9763	0.21%	0.043%
153	11.545	11.531	11.577	VV	310	6353	0.14%	0.028%
154	11.627	11.577	11.641	VV	592	11536	0.25%	0.051%
155	11.678	11.641	11.753	VV	425978	4664104	100.00%	20.576%
156	11.774	11.753	11.796	VV	969	17094	0.37%	0.075%
157	11.808	11.796	11.823	VV	565	7039	0.15%	0.031%
158	11.838	11.823	11.885	VV	554	10790	0.23%	0.048%
159	11.902	11.885	11.931	VV	214	4828	0.10%	0.021%
160	11.971	11.931	11.984	VV	285	7027	0.15%	0.031%
161	12.014	11.984	12.040	VV	508	11688	0.25%	0.052%
162	12.069	12.040	12.096	VV	381	10276	0.22%	0.045%
163	12.124	12.096	12.217	VV	1140	43519	0.93%	0.192%
164	12.269	12.217	12.340	VV	43083	533790	11.44%	2.355%
165	12.355	12.340	12.370	VV	1308	20406	0.44%	0.090%
166	12.386	12.370	12.458	VV	1396	45970	0.99%	0.203%
167	12.475	12.458	12.491	VV	791	13846	0.30%	0.061%
168	12.500	12.491	12.530	VV	756	13447	0.29%	0.059%
169	12.542	12.530	12.571	VV	483	10863	0.23%	0.048%
170	12.602	12.571	12.640	VV	875	23784	0.51%	0.105%
171	12.661	12.640	12.681	VV	910	16440	0.35%	0.073%
172	12.693	12.681	12.706	VV	564	7339	0.16%	0.032%
173	12.748	12.706	12.801	VV	2061	53788	1.15%	0.237%
174	12.811	12.801	12.829	VV	495	6933	0.15%	0.031%
175	12.839	12.829	12.854	VV	444	5864	0.13%	0.026%
176	12.873	12.854	12.904	VV	505	12473	0.27%	0.055%
177	12.917	12.904	12.942	VV	530	9933	0.21%	0.044%
178	12.954	12.942	12.972	VV	470	7801	0.17%	0.034%
179	12.988	12.972	13.002	VV	486	8096	0.17%	0.036%
180	13.023	13.002	13.041	VV	660	12416	0.27%	0.055%
181	13.068	13.041	13.077	VV	1406	20242	0.43%	0.089%
182	13.113	13.077	13.178	VV	289735	3540152	75.90%	15.618%
183	13.228	13.178	13.257	VV	620	23770	0.51%	0.105%
184	13.277	13.257	13.304	VV	736	16310	0.35%	0.072%
185	13.325	13.304	13.336	VV	618	10787	0.23%	0.048%
186	13.364	13.336	13.374	VV	743	15139	0.32%	0.067%
187	13.399	13.374	13.429	VV	922	25281	0.54%	0.112%
188	13.472	13.429	13.487	VV	1059	28980	0.62%	0.128%
189	13.508	13.487	13.541	VV	4176	71725	1.54%	0.316%
190	13.558	13.541	13.591	VV	2221	43745	0.94%	0.193%
191	13.614	13.591	13.667	VV	1171	38654	0.83%	0.171%
192	13.717	13.667	13.745	VV	869	34915	0.75%	0.154%
193	13.816	13.745	13.848	VV	3758	78871	1.69%	0.348%
194	13.862	13.848	13.882	VV	990	17303	0.37%	0.076%

rteres

195	13.903	13.882	13.944	VV	887	29921	0.64%	0.132%
196	13.991	13.944	14.046	VV	2254	67537	1.45%	0.298%
197	14.102	14.046	14.128	VV	952	41100	0.88%	0.181%
198	14.141	14.128	14.150	VV	913	11416	0.24%	0.050%
199	14.185	14.150	14.201	VV	913	27009	0.58%	0.119%
200	14.220	14.201	14.237	VV	1308	23678	0.51%	0.104%
201	14.259	14.237	14.279	VV	1532	33187	0.71%	0.146%
202	14.300	14.279	14.324	VV	1940	38374	0.82%	0.169%
203	14.362	14.324	14.407	VV	1153	49438	1.06%	0.218%
204	14.433	14.407	14.472	VV	1754	49506	1.06%	0.218%
205	14.489	14.472	14.517	VV	1326	32631	0.70%	0.144%
206	14.554	14.517	14.572	VV	1597	43701	0.94%	0.193%
207	14.581	14.572	14.618	VV	1239	30725	0.66%	0.136%
208	14.648	14.618	14.678	VV	1623	45659	0.98%	0.201%
209	14.702	14.678	14.727	VV	1322	36250	0.78%	0.160%
210	14.742	14.727	14.757	VV	1366	22529	0.48%	0.099%
211	14.768	14.757	14.793	VV	1216	24952	0.53%	0.110%
212	14.820	14.793	14.841	VV	1305	33530	0.72%	0.148%
213	14.863	14.841	14.882	VV	1198	27216	0.58%	0.120%
214	14.928	14.882	14.952	VV	2494	66221	1.42%	0.292%
215	14.966	14.952	14.984	VV	1470	26103	0.56%	0.115%
216	15.014	14.984	15.044	VV	1880	48405	1.04%	0.214%
217	15.071	15.044	15.094	VV	1090	31694	0.68%	0.140%
218	15.108	15.094	15.135	VV	1061	23894	0.51%	0.105%
219	15.163	15.135	15.194	VV	1248	36480	0.78%	0.161%
220	15.217	15.194	15.254	VV	1167	36389	0.78%	0.161%
221	15.288	15.254	15.310	VV	975	30117	0.65%	0.133%
222	15.350	15.310	15.421	VV	9263	211843	4.54%	0.935%
223	15.431	15.421	15.464	VV	1009	23586	0.51%	0.104%
224	15.491	15.464	15.527	VV	1291	38832	0.83%	0.171%
225	15.568	15.527	15.598	VV	1861	44580	0.96%	0.197%
226	15.620	15.598	15.648	VV	729	18412	0.39%	0.081%
227	15.671	15.648	15.704	VV	630	18917	0.41%	0.083%
228	15.728	15.704	15.744	VV	577	12248	0.26%	0.054%
229	15.761	15.744	15.783	VV	598	11667	0.25%	0.051%
230	15.802	15.783	15.841	VV	757	19616	0.42%	0.087%
231	15.875	15.841	15.895	VV	603	15922	0.34%	0.070%
232	15.907	15.895	15.948	VV	486	12322	0.26%	0.054%
233	15.954	15.948	15.971	VV	383	5167	0.11%	0.023%
234	15.992	15.971	16.039	VV	926	18903	0.41%	0.083%
235	16.049	16.039	16.082	VV	319	6321	0.14%	0.028%
236	16.130	16.082	16.144	VV	243	6609	0.14%	0.029%
237	16.183	16.144	16.254	VV	686	17673	0.38%	0.078%
238	16.291	16.254	16.301	VV	161	3031	0.06%	0.013%
239	16.332	16.301	16.345	VV	354	5955	0.13%	0.026%
240	16.370	16.345	16.402	VV	969	18800	0.40%	0.083%
241	16.411	16.402	16.449	VV	321	8062	0.17%	0.036%
242	16.474	16.449	16.528	VV	1014	17309	0.37%	0.076%
243	16.556	16.528	16.588	VV	603	9576	0.21%	0.042%
244	16.632	16.588	16.653	PV	227	5859	0.13%	0.026%
245	16.673	16.653	16.699	VV	464	6682	0.14%	0.029%
246	16.744	16.699	16.761	VV	180	3495	0.07%	0.015%

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247	16.791	16.761	16.816	VV	427	5590	0.12%	0.025%
248	16.851	16.816	16.888	VV	266	6289	0.13%	0.028%
249	16.942	16.888	16.964	VV	1373	24111	0.52%	0.106%
250	16.993	16.964	17.053	VV	6016	89493	1.92%	0.395%
251	17.086	17.053	17.114	PV	177	3625	0.08%	0.016%
252	17.150	17.114	17.174	VV	328	6850	0.15%	0.030%
253	17.184	17.174	17.215	VV	152	2868	0.06%	0.013%
254	17.289	17.215	17.298	VV	448	8678	0.19%	0.038%
255	17.324	17.298	17.345	VV	547	9113	0.20%	0.040%
256	17.393	17.345	17.431	VV	2366	35519	0.76%	0.157%
257	17.478	17.431	17.496	PV	205	4103	0.09%	0.018%
258	17.557	17.496	17.580	VV	223	6788	0.15%	0.030%
259	17.620	17.580	17.639	VV	217	4636	0.10%	0.020%
260	17.676	17.639	17.691	VV	174	2457	0.05%	0.011%
261	17.716	17.691	17.744	VV	277	4863	0.10%	0.021%
262	17.787	17.744	17.805	VV	641	12197	0.26%	0.054%
263	17.831	17.805	17.860	VV	2744	38259	0.82%	0.169%
264	17.923	17.860	17.943	PV	846	16757	0.36%	0.074%
265	17.952	17.943	17.976	VV	283	4325	0.09%	0.019%
266	18.067	17.976	18.095	VV	375	13661	0.29%	0.060%
267	18.107	18.095	18.130	VV	144	2105	0.05%	0.009%
268	18.196	18.130	18.231	PV	4259	89298	1.91%	0.394%
269	18.254	18.231	18.288	VV	3236	50534	1.08%	0.223%
270	18.355	18.288	18.389	VV	620	14104	0.30%	0.062%
271	18.397	18.389	18.404	VV	117	1255	0.03%	0.006%
272	18.466	18.404	18.494	VV	415	10678	0.23%	0.047%
273	18.520	18.494	18.531	VV	225	4112	0.09%	0.018%
274	18.568	18.531	18.587	VV	330	5746	0.12%	0.025%
275	18.664	18.587	18.714	VV	3189	60384	1.29%	0.266%
276	18.766	18.714	18.828	VV	816	33174	0.71%	0.146%
277	19.026	18.828	19.048	VV	4667	137591	2.95%	0.607%
278	19.066	19.048	19.116	VV	4077	103450	2.22%	0.456%
279	19.164	19.116	19.218	VV	1456	67445	1.45%	0.298%
280	19.261	19.218	19.288	VV	1607	53556	1.15%	0.236%
281	19.317	19.288	19.337	VV	1413	37860	0.81%	0.167%
282	19.371	19.337	19.389	VV	1322	38506	0.83%	0.170%
283	19.451	19.389	19.481	VV	3633	106198	2.28%	0.469%
284	19.557	19.481	19.588	VV	2272	114176	2.45%	0.504%
285	19.629	19.588	19.651	VV	2481	78714	1.69%	0.347%
286	19.676	19.651	19.688	VV	2109	45514	0.98%	0.201%
287	19.743	19.688	19.763	VV	2437	99883	2.14%	0.441%
288	19.826	19.763	19.851	VV	4401	159353	3.42%	0.703%
289	19.862	19.851	19.884	VV	2989	57666	1.24%	0.254%
290	19.932	19.884	19.964	VV	3370	150554	3.23%	0.664%
291	20.081	19.964	20.104	VV	4155	313863	6.73%	1.385%
292	20.145	20.104	20.154	VV	4120	120253	2.58%	0.531%
293	20.193	20.154	20.222	VV	5550	191745	4.11%	0.846%
294	20.291	20.222	20.310	VV	4988	246657	5.29%	1.088%
295	20.358	20.310	20.394	VV	6170	272278	5.84%	1.201%
296	20.475	20.394	20.483	VV	6702	324835	6.96%	1.433%
297	20.501	20.483	20.535	VV	6817	202199	4.34%	0.892%
298	20.555	20.535	20.600	VV	6259	224882	4.82%	0.992%
299	20.613	20.600	20.643	VV	5223	132817	2.85%	0.586%

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300	20.667	20.643	20.706	VV	5346	191427	4.10%	0.844%
301	20.751	20.706	20.803	VV	4940	277749	5.96%	1.225%
302	20.822	20.803	20.841	VV	4448	100167	2.15%	0.442%
303	20.870	20.841	20.901	VV	4389	153279	3.29%	0.676%
304	20.960	20.901	21.028	VV	4570	311558	6.68%	1.374%
305	21.038	21.028	21.049	VV	3630	46646	1.00%	0.206%
306	21.069	21.049	21.127	VV	3605	160135	3.43%	0.706%
307	21.217	21.127	21.231	VV	3252	202651	4.34%	0.894%
308	21.271	21.231	21.348	VV	3315	214194	4.59%	0.945%
309	21.377	21.348	21.387	VV	3062	70121	1.50%	0.309%
310	21.407	21.387	21.497	VV	3262	180299	3.87%	0.795%
311	21.563	21.497	21.576	VV	2491	112561	2.41%	0.497%
312	21.581	21.576	21.634	VV	2442	75336	1.62%	0.332%
313	21.699	21.634	21.724	VV	2048	105709	2.27%	0.466%
314	21.755	21.724	21.808	VV	1869	85642	1.84%	0.378%
315	21.878	21.808	21.891	VV	1566	75168	1.61%	0.332%
316	21.894	21.891	21.901	VV	1534	8899	0.19%	0.039%
317	21.917	21.901	22.041	VV	1659	79032	1.69%	0.349%
318	22.116	22.041	22.192	VV	481	28962	0.62%	0.128%

Sum of corrected areas: 22667615

Aliphatic EPH 061825.M Tue Jul 01 05:54:06 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
Data File : FE054620.D
Signal(s) : FID1B.ch
Acq On : 27 Jun 2025 18:55
Operator : YP\AJ
Sample : Q2431-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
S-3

Integration File: autoint1.e
Quant Time: Jun 28 01:47:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Fri Jun 27 15:19:13 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)	12.065	5194786	31.989 ug/ml
Spiked Amount 50.000		Recovery =	63.98%
12) S 1-chlorooctadecane (S...	13.501	4064825	32.185 ug/ml
Spiked Amount 50.000		Recovery =	64.37%
Target Compounds			

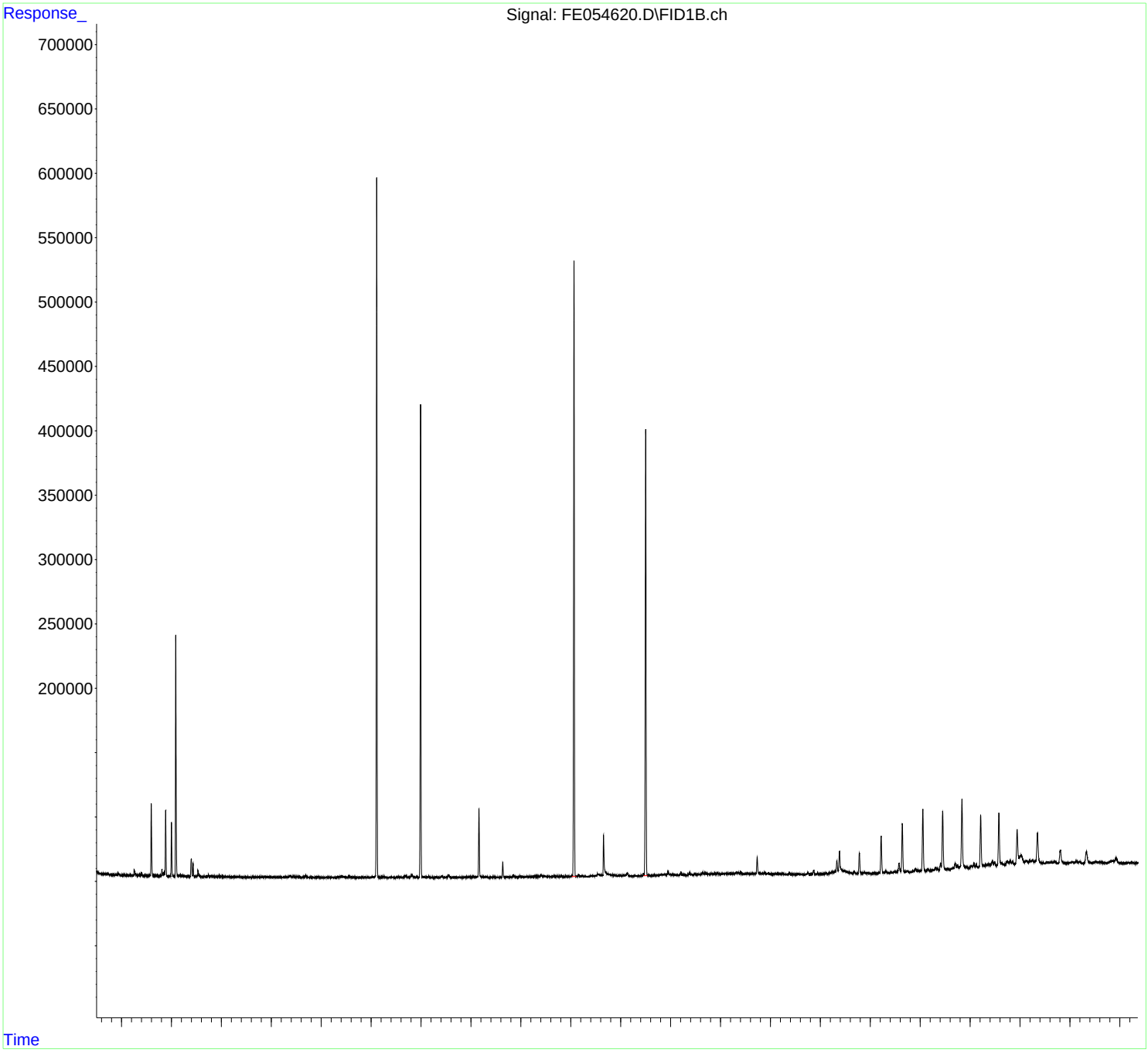
(f)=RT Delta > 1/2 Window (m)=manual int.

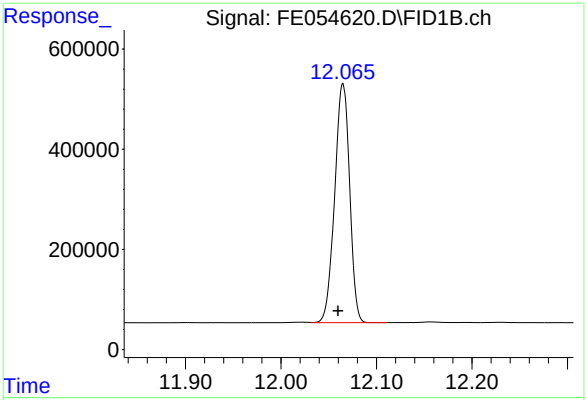
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
Data File : FE054620.D
Signal(s) : FID1B.ch
Acq On : 27 Jun 2025 18:55
Operator : YP\AJ
Sample : Q2431-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
S-3

Integration File: autoint1.e
Quant Time: Jun 28 01:47:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Fri Jun 27 15:19:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

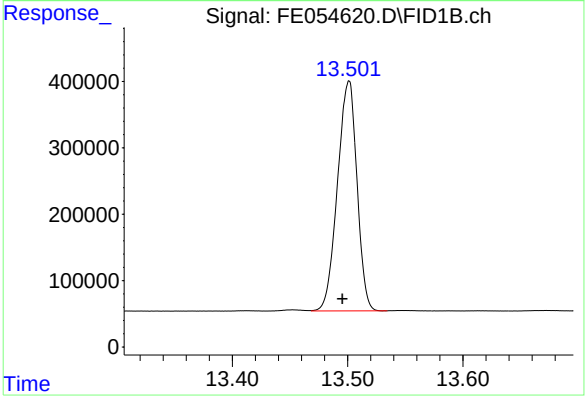




#9 ortho-Terphenyl (SURR)

R.T.: 12.065 min
Delta R.T.: 0.005 min
Response: 5194786
Conc: 31.99 ug/ml

Instrument :
FID_E
ClientSampleId :
S-3



#12 1-chlorooctadecane (SURR)

R.T.: 13.501 min
Delta R.T.: 0.005 min
Response: 4064825
Conc: 32.19 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
Data File : FE054620.D
Signal(s) : FID1B.ch
Acq On : 27 Jun 2025 18:55
Sample : Q2431-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.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	2.832	2.804	2.866	BV	127	1594	0.03%	0.006%
2	2.881	2.866	2.901	PV	443	3897	0.07%	0.014%
3	2.912	2.901	2.920	PV	623	4815	0.09%	0.017%
4	2.932	2.920	3.019	VV	1544	29240	0.56%	0.104%
5	3.031	3.019	3.101	VV	133	5514	0.11%	0.020%
6	3.122	3.101	3.141	PV	269	2966	0.06%	0.011%
7	3.164	3.141	3.230	VV	226	4705	0.09%	0.017%
8	3.254	3.230	3.334	PV	4402	70076	1.34%	0.248%
9	3.353	3.334	3.378	VV	630	11352	0.22%	0.040%
10	3.398	3.378	3.461	VV	2470	30713	0.59%	0.109%
11	3.466	3.461	3.520	VV	137	3463	0.07%	0.012%
12	3.559	3.520	3.573	VV	636	10186	0.19%	0.036%
13	3.596	3.573	3.698	VV	56382	533806	10.21%	1.890%
14	3.712	3.698	3.761	VV	287	9551	0.18%	0.034%
15	3.775	3.761	3.791	VV	407	5321	0.10%	0.019%
16	3.809	3.791	3.837	VV	5490	65808	1.26%	0.233%
17	3.852	3.837	3.864	VV	3013	32639	0.62%	0.116%
18	3.884	3.864	3.944	VV	50968	477514	9.14%	1.691%
19	4.001	3.944	4.060	VV	41641	378933	7.25%	1.342%
20	4.087	4.060	4.164	PV	182776	1677135	32.08%	5.938%
21	4.190	4.164	4.208	VV	699	13903	0.27%	0.049%
22	4.216	4.208	4.291	VV	660	18146	0.35%	0.064%
23	4.302	4.291	4.312	VV	235	2552	0.05%	0.009%
24	4.324	4.312	4.368	VV	312	7054	0.13%	0.025%
25	4.397	4.368	4.417	VV	13684	165273	3.16%	0.585%
26	4.433	4.417	4.468	VV	10239	101995	1.95%	0.361%
27	4.473	4.468	4.487	VV	246	2571	0.05%	0.009%
28	4.531	4.487	4.549	VV	4558	49092	0.94%	0.174%
29	4.557	4.549	4.631	VV	1121	15080	0.29%	0.053%
30	4.637	4.631	4.655	VV	215	2163	0.04%	0.008%
31	4.671	4.655	4.688	VV	370	4410	0.08%	0.016%
32	4.740	4.688	4.769	VV	1275	21649	0.41%	0.077%
33	4.792	4.769	4.835	VV	1016	15770	0.30%	0.056%
34	4.856	4.835	4.878	VV	447	6322	0.12%	0.022%
35	4.895	4.878	4.931	VV	455	8229	0.16%	0.029%
36	4.953	4.931	4.974	VV	820	10720	0.21%	0.038%

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37	4.995	4.974	5.028	VV	263	6700	0.13%	0.024%
38	5.051	5.028	5.072	VV	304	5379	0.10%	0.019%
39	5.100	5.072	5.254	VV	297	15300	0.29%	0.054%
40	5.270	5.254	5.288	VV	188	2858	0.05%	0.010%
41	5.312	5.288	5.331	VV	501	6686	0.13%	0.024%
42	5.357	5.331	5.401	VV	319	6997	0.13%	0.025%
43	5.417	5.401	5.469	VV	230	3457	0.07%	0.012%
44	5.489	5.469	5.529	PV	181	3550	0.07%	0.013%
45	5.575	5.529	5.601	VV	209	3725	0.07%	0.013%
46	5.625	5.601	5.702	VV	444	7918	0.15%	0.028%
47	5.723	5.702	5.792	PV	184	4685	0.09%	0.017%
48	5.811	5.792	5.835	VV	186	3034	0.06%	0.011%
49	5.868	5.835	5.893	VV	521	8168	0.16%	0.029%
50	5.941	5.893	5.970	VV	337	8066	0.15%	0.029%
51	5.992	5.970	6.051	VV	279	8682	0.17%	0.031%
52	6.091	6.051	6.167	VV	283	12211	0.23%	0.043%
53	6.188	6.167	6.214	VV	173	3522	0.07%	0.012%
54	6.227	6.214	6.241	VV	153	2048	0.04%	0.007%
55	6.255	6.241	6.284	VV	216	4511	0.09%	0.016%
56	6.299	6.284	6.310	VV	220	2480	0.05%	0.009%
57	6.330	6.310	6.344	VV	374	5894	0.11%	0.021%
58	6.384	6.344	6.429	VV	1624	39150	0.75%	0.139%
59	6.438	6.429	6.454	VV	461	5865	0.11%	0.021%
60	6.555	6.454	6.667	VV	584	48282	0.92%	0.171%
61	6.687	6.667	6.811	VV	1804	30401	0.58%	0.108%
62	6.833	6.811	6.897	VV	225	6411	0.12%	0.023%
63	6.935	6.897	6.978	VV	749	11373	0.22%	0.040%
64	6.987	6.978	7.054	VV	126	2204	0.04%	0.008%
65	7.094	7.054	7.124	PV	142	4849	0.09%	0.017%
66	7.143	7.124	7.193	VV	182	4384	0.08%	0.016%
67	7.222	7.193	7.271	VV	123	3666	0.07%	0.013%
68	7.325	7.271	7.347	VV	676	11806	0.23%	0.042%
69	7.395	7.347	7.521	VV	710	50012	0.96%	0.177%
70	7.556	7.521	7.644	VV	606	20361	0.39%	0.072%
71	7.663	7.644	7.721	VV	299	6290	0.12%	0.022%
72	7.745	7.721	7.771	VV	159	3433	0.07%	0.012%
73	7.787	7.771	7.844	VV	172	3788	0.07%	0.013%
74	7.865	7.844	7.924	VV	139	3719	0.07%	0.013%
75	7.957	7.924	7.981	VV	215	4287	0.08%	0.015%
76	8.030	7.981	8.054	VV	703	13036	0.25%	0.046%
77	8.209	8.181	8.244	VV	565	15911	0.30%	0.056%
78	8.257	8.244	8.375	VV	899	15870	0.30%	0.056%
79	8.419	8.375	8.437	PV	98	2328	0.04%	0.008%
80	8.456	8.437	8.474	VV	97	1572	0.03%	0.006%
81	8.574	8.474	8.631	VV	458	17230	0.33%	0.061%
82	8.686	8.631	8.768	VV	1267	43441	0.83%	0.154%
83	8.816	8.768	8.889	VV	1753	49471	0.95%	0.175%
84	8.914	8.889	8.958	VV	695	10926	0.21%	0.039%
85	9.155	9.092	9.261	VV	635	16711	0.32%	0.059%
86	9.292	9.261	9.348	VV	446	8108	0.16%	0.029%
87	9.412	9.348	9.470	VV	1120	24360	0.47%	0.086%
88	9.551	9.470	9.658	VV	1847	44951	0.86%	0.159%
89	9.701	9.658	9.817	VV	414	13895	0.27%	0.049%

rteres

90	9.843	9.817	9.874	PV	257	4957	0.09%	0.018%
91	9.896	9.874	9.926	VV	247	5487	0.10%	0.019%
92	9.968	9.926	9.996	VV	389	9550	0.18%	0.034%
93	10.044	9.996	10.094	VV	660	16652	0.32%	0.059%
94	10.161	10.094	10.207	VV	53095	572298	10.95%	2.026%
95	10.223	10.207	10.271	VV	520	12466	0.24%	0.044%
96	10.293	10.271	10.377	VV	487	17163	0.33%	0.061%
97	10.398	10.377	10.428	VV	256	4921	0.09%	0.017%
98	10.464	10.428	10.528	VV	196	6984	0.13%	0.025%
99	10.551	10.528	10.608	PV	178	3899	0.07%	0.014%
100	10.638	10.608	10.703	PV	11691	121821	2.33%	0.431%
101	10.732	10.703	10.794	VV	430	8853	0.17%	0.031%
102	10.850	10.794	10.928	VV	1578	32586	0.62%	0.115%
103	10.987	10.928	11.005	VV	766	15182	0.29%	0.054%
104	11.022	11.005	11.072	VV	412	9557	0.18%	0.034%
105	11.133	11.072	11.156	VV	431	10630	0.20%	0.038%
106	11.172	11.156	11.204	VV	293	4316	0.08%	0.015%
107	11.315	11.204	11.354	VV	728	31237	0.60%	0.111%
108	11.408	11.354	11.544	VV	1833	68563	1.31%	0.243%
109	11.561	11.544	11.644	VV	406	15749	0.30%	0.056%
110	11.669	11.644	11.691	VV	706	10835	0.21%	0.038%
111	11.738	11.691	11.794	VV	560	15816	0.30%	0.056%
112	11.820	11.794	11.863	PV	692	11500	0.22%	0.041%
113	11.902	11.863	11.958	VV	438	11050	0.21%	0.039%
114	12.065	11.958	12.118	VV	479250	5227165	100.00%	18.508%
115	12.157	12.118	12.211	VV	1642	35756	0.68%	0.127%
116	12.229	12.211	12.338	VV	863	18168	0.35%	0.064%
117	12.401	12.338	12.424	VV	515	12169	0.23%	0.043%
118	12.457	12.424	12.481	VV	632	17650	0.34%	0.062%
119	12.539	12.481	12.618	VV	1826	89916	1.72%	0.318%
120	12.658	12.618	12.829	VV	30491	541080	10.35%	1.916%
121	12.845	12.829	12.947	VV	1049	54888	1.05%	0.194%
122	12.990	12.947	13.022	VV	930	25357	0.49%	0.090%
123	13.050	13.022	13.098	VV	1108	31557	0.60%	0.112%
124	13.135	13.098	13.238	VV	2369	67788	1.30%	0.240%
125	13.260	13.238	13.291	VV	371	8365	0.16%	0.030%
126	13.308	13.291	13.348	VV	297	6561	0.13%	0.023%
127	13.412	13.348	13.428	VV	644	13751	0.26%	0.049%
128	13.500	13.428	13.601	VV	349854	4128150	78.97%	14.617%
129	13.615	13.601	13.640	VV	506	8139	0.16%	0.029%
130	13.672	13.640	13.724	VV	922	25197	0.48%	0.089%
131	13.741	13.724	13.754	VV	536	7368	0.14%	0.026%
132	13.807	13.754	13.831	VV	1031	36931	0.71%	0.131%
133	13.874	13.831	13.914	VV	1317	53039	1.01%	0.188%
134	13.947	13.914	13.978	VV	3762	72069	1.38%	0.255%
135	13.998	13.978	14.038	VV	1354	37221	0.71%	0.132%
136	14.055	14.038	14.157	VV	1201	58474	1.12%	0.207%
137	14.204	14.157	14.234	VV	2862	53096	1.02%	0.188%
138	14.252	14.234	14.323	VV	1015	36673	0.70%	0.130%
139	14.381	14.323	14.446	VV	2413	76905	1.47%	0.272%
140	14.487	14.446	14.530	VV	1248	47743	0.91%	0.169%
141	14.642	14.530	14.666	VV	2453	96511	1.85%	0.342%

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142	14.688	14.666	14.794	VV	2289	100103	1.92%	0.354%
143	14.817	14.794	14.871	VV	1490	58846	1.13%	0.208%
144	14.888	14.871	14.911	VV	1460	30782	0.59%	0.109%
145	14.944	14.911	15.001	VV	1739	69333	1.33%	0.245%
146	15.050	15.001	15.070	VV	1458	48034	0.92%	0.170%
147	15.105	15.070	15.181	VV	1356	80262	1.54%	0.284%
148	15.199	15.181	15.231	VV	1413	36670	0.70%	0.130%
149	15.251	15.231	15.278	VV	1251	33320	0.64%	0.118%
150	15.315	15.278	15.338	VV	2362	63294	1.21%	0.224%
151	15.355	15.338	15.377	VV	2041	40564	0.78%	0.144%
152	15.402	15.377	15.480	VV	2804	89858	1.72%	0.318%
153	15.505	15.480	15.531	VV	1158	31768	0.61%	0.112%
154	15.553	15.531	15.580	VV	1341	33132	0.63%	0.117%
155	15.615	15.580	15.644	VV	1049	39931	0.76%	0.141%
156	15.735	15.644	15.851	VV	13706	292020	5.59%	1.034%
157	15.878	15.851	15.918	VV	1686	49041	0.94%	0.174%
158	15.960	15.918	15.989	VV	1519	43883	0.84%	0.155%
159	16.006	15.989	16.037	VV	786	19241	0.37%	0.068%
160	16.061	16.037	16.082	VV	649	16019	0.31%	0.057%
161	16.112	16.082	16.128	VV	909	19886	0.38%	0.070%
162	16.150	16.128	16.174	VV	1121	22798	0.44%	0.081%
163	16.190	16.174	16.219	VV	937	17972	0.34%	0.064%
164	16.249	16.219	16.281	VV	835	20483	0.39%	0.073%
165	16.301	16.281	16.350	VV	369	13657	0.26%	0.048%
166	16.379	16.350	16.421	VV	1915	31307	0.60%	0.111%
167	16.442	16.421	16.498	VV	529	9891	0.19%	0.035%
168	16.563	16.498	16.641	VV	515	18833	0.36%	0.067%
169	16.748	16.641	16.782	PV	1733	31788	0.61%	0.113%
170	16.864	16.782	16.921	PV	3313	56376	1.08%	0.200%
171	16.945	16.921	16.988	VV	1165	18154	0.35%	0.064%
172	17.062	16.988	17.081	VV	691	18360	0.35%	0.065%
173	17.109	17.081	17.158	VV	968	24321	0.47%	0.086%
174	17.234	17.158	17.254	VV	1595	61009	1.17%	0.216%
175	17.331	17.254	17.354	VV	10390	219068	4.19%	0.776%
176	17.383	17.354	17.561	VV	17906	522230	9.99%	1.849%
177	17.573	17.561	17.644	VV	1292	41821	0.80%	0.148%
178	17.677	17.644	17.744	VV	1959	43714	0.84%	0.155%
179	17.781	17.744	17.823	VV	15969	230255	4.40%	0.815%
180	17.871	17.823	17.928	VV	739	35825	0.69%	0.127%
181	17.945	17.928	17.983	VV	634	13675	0.26%	0.048%
182	18.004	17.983	18.034	VV	309	4563	0.09%	0.016%
183	18.064	18.034	18.084	PV	297	3986	0.08%	0.014%
184	18.098	18.084	18.144	VV	177	1841	0.04%	0.007%
185	18.218	18.144	18.281	PV	28927	421678	8.07%	1.493%
186	18.308	18.281	18.371	VV	1709	32007	0.61%	0.113%
187	18.494	18.371	18.520	PV	990	32427	0.62%	0.115%
188	18.575	18.520	18.607	VV	7423	141472	2.71%	0.501%
189	18.642	18.607	18.711	VV	38044	556175	10.64%	1.969%
190	18.740	18.711	18.807	VV	1183	25144	0.48%	0.089%
191	18.906	18.807	18.931	PV	2406	59050	1.13%	0.209%
192	18.952	18.931	19.011	VV	1335	37580	0.72%	0.133%
193	19.053	19.011	19.114	VV	48921	698162	13.36%	2.472%
194	19.154	19.114	19.214	VV	1468	37347	0.71%	0.132%

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195	19.308	19.214	19.335	VV	2555	63900	1.22%	0.226%
196	19.354	19.335	19.378	VV	1480	20695	0.40%	0.073%
197	19.451	19.378	19.511	VV	45569	799793	15.30%	2.832%
198	19.547	19.511	19.601	VV	1309	38744	0.74%	0.137%
199	19.648	19.601	19.663	VV	1449	35942	0.69%	0.127%
200	19.700	19.663	19.724	VV	4943	104468	2.00%	0.370%
201	19.744	19.724	19.778	VV	3466	75922	1.45%	0.269%
202	19.837	19.778	19.918	VV	54481	939195	17.97%	3.325%
203	19.936	19.918	19.968	VV	1555	33569	0.64%	0.119%
204	20.024	19.968	20.045	VV	1938	59172	1.13%	0.210%
205	20.076	20.045	20.100	VV	4344	88149	1.69%	0.312%
206	20.123	20.100	20.164	VV	3534	73967	1.42%	0.262%
207	20.212	20.164	20.291	VV	41041	696093	13.32%	2.465%
208	20.312	20.291	20.341	VV	2628	65898	1.26%	0.233%
209	20.393	20.341	20.413	VV	2779	105488	2.02%	0.374%
210	20.444	20.413	20.469	VV	5206	121592	2.33%	0.431%
211	20.489	20.469	20.521	VV	4310	87755	1.68%	0.311%
212	20.577	20.521	20.621	VV	42080	725507	13.88%	2.569%
213	20.638	20.621	20.684	VV	2928	88808	1.70%	0.314%
214	20.742	20.684	20.777	VV	4474	166248	3.18%	0.589%
215	20.804	20.777	20.830	VV	4257	114113	2.18%	0.404%
216	20.851	20.830	20.884	VV	4169	93082	1.78%	0.330%
217	20.942	20.884	20.981	VV	28452	589602	11.28%	2.088%
218	21.018	20.981	21.088	VV	8409	385291	7.37%	1.364%
219	21.125	21.088	21.166	VV	3881	149810	2.87%	0.530%
220	21.197	21.166	21.221	VV	3711	105381	2.02%	0.373%
221	21.252	21.221	21.291	VV	4208	140482	2.69%	0.497%
222	21.349	21.291	21.433	VV	24789	604621	11.57%	2.141%
223	21.457	21.433	21.486	VV	1549	38354	0.73%	0.136%
224	21.556	21.486	21.594	VV	1852	93894	1.80%	0.332%
225	21.630	21.594	21.658	VV	1734	54987	1.05%	0.195%
226	21.697	21.658	21.757	VV	2169	77094	1.47%	0.273%
227	21.808	21.757	21.917	VV	10601	270320	5.17%	0.957%
228	21.945	21.917	21.971	VV	322	6668	0.13%	0.024%
229	22.060	21.971	22.081	PV	551	25093	0.48%	0.089%
230	22.131	22.081	22.178	VV	919	26155	0.50%	0.093%

Sum of corrected areas: 28242689

Aliphatic EPH 062725.M Sat Jun 28 02:36:31 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
Data File : FE054621.D
Signal(s) : FID1B.ch
Acq On : 27 Jun 2025 19:25
Operator : YP\AJ
Sample : Q2431-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
S-4

Integration File: autoint1.e
Quant Time: Jun 28 01:47:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Fri Jun 27 15:19:13 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)	12.066	5265543	32.425 ug/ml
Spiked Amount 50.000		Recovery =	64.85%
12) S 1-chlorooctadecane (S...	13.501	4071607	32.239 ug/ml
Spiked Amount 50.000		Recovery =	64.48%
Target Compounds			

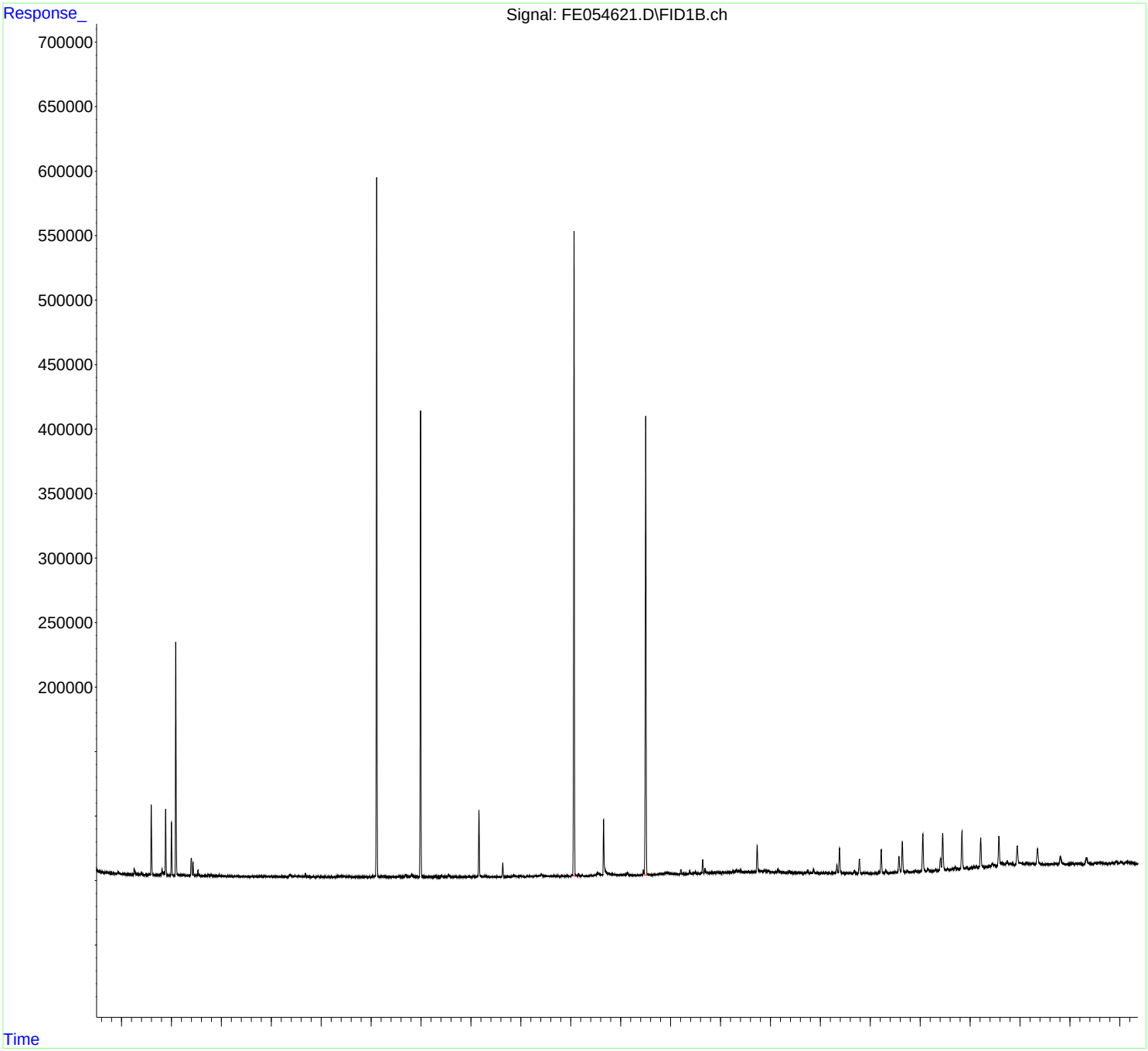
(f)=RT Delta > 1/2 Window (m)=manual int.

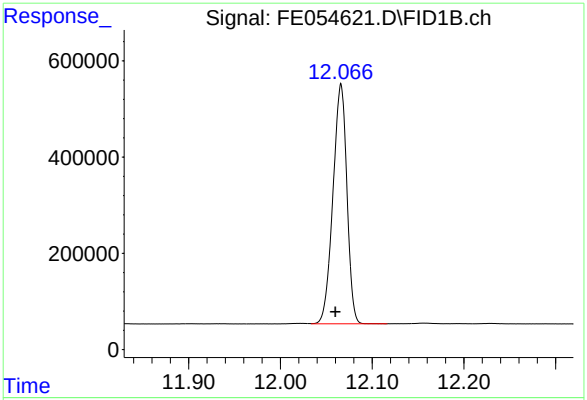
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
Data File : FE054621.D
Signal(s) : FID1B.ch
Acq On : 27 Jun 2025 19:25
Operator : YP\AJ
Sample : Q2431-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
S-4

Integration File: autoint1.e
Quant Time: Jun 28 01:47:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Fri Jun 27 15:19:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

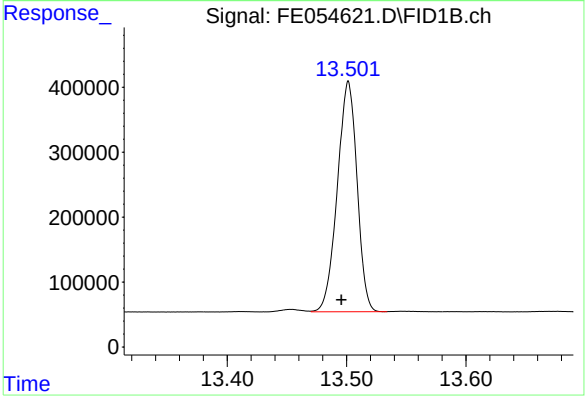




#9 ortho-Terphenyl (SURR)

R.T.: 12.066 min
Delta R.T.: 0.006 min
Response: 5265543
Conc: 32.42 ug/ml

Instrument :
FID_E
ClientSampleId :
S-4



#12 1-chlorooctadecane (SURR)

R.T.: 13.501 min
Delta R.T.: 0.006 min
Response: 4071607
Conc: 32.24 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
Data File : FE054621.D
Signal(s) : FID1B.ch
Acq On : 27 Jun 2025 19:25
Sample : Q2431-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.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	2.833	2.805	2.866	BV	219	2448	0.05%	0.009%
2	2.880	2.866	2.901	PV	423	4295	0.08%	0.016%
3	2.929	2.901	3.018	VV	1903	37017	0.70%	0.136%
4	3.030	3.018	3.100	VV	257	6164	0.12%	0.023%
5	3.121	3.100	3.138	PV	262	2277	0.04%	0.008%
6	3.157	3.138	3.225	VV	234	5546	0.11%	0.020%
7	3.253	3.225	3.330	PV	4508	71836	1.36%	0.264%
8	3.350	3.330	3.378	VV	586	11650	0.22%	0.043%
9	3.399	3.378	3.455	VV	2376	29163	0.55%	0.107%
10	3.472	3.455	3.527	VV	135	3127	0.06%	0.011%
11	3.559	3.527	3.573	VV	562	8732	0.17%	0.032%
12	3.596	3.573	3.697	VV	54576	519088	9.83%	1.907%
13	3.730	3.697	3.765	VV	347	8658	0.16%	0.032%
14	3.777	3.765	3.788	VV	353	3642	0.07%	0.013%
15	3.810	3.788	3.837	VV	4740	60593	1.15%	0.223%
16	3.852	3.837	3.864	VV	3024	31810	0.60%	0.117%
17	3.884	3.864	3.941	VV	50580	475896	9.01%	1.749%
18	3.948	3.941	3.961	VV	121	1217	0.02%	0.004%
19	4.001	3.961	4.045	VV	40930	367048	6.95%	1.349%
20	4.054	4.045	4.061	PV	85	483	0.01%	0.002%
21	4.087	4.061	4.175	VV	176906	1646058	31.17%	6.048%
22	4.186	4.175	4.202	VV	579	8312	0.16%	0.031%
23	4.216	4.202	4.307	VV	685	21443	0.41%	0.079%
24	4.327	4.307	4.371	VV	307	6812	0.13%	0.025%
25	4.397	4.371	4.418	VV	13483	162007	3.07%	0.595%
26	4.433	4.418	4.471	VV	10055	100676	1.91%	0.370%
27	4.473	4.471	4.483	VV	303	1758	0.03%	0.006%
28	4.531	4.483	4.548	VV	4594	50172	0.95%	0.184%
29	4.557	4.548	4.637	VV	1112	17108	0.32%	0.063%
30	4.671	4.637	4.705	VV	385	8634	0.16%	0.032%
31	4.740	4.705	4.770	VV	1290	22927	0.43%	0.084%
32	4.793	4.770	4.836	VV	1040	20022	0.38%	0.074%
33	4.855	4.836	4.874	VV	389	6102	0.12%	0.022%
34	4.895	4.874	4.929	VV	460	9223	0.17%	0.034%
35	4.952	4.929	4.972	VV	797	10584	0.20%	0.039%
36	4.988	4.972	5.044	VV	307	9094	0.17%	0.033%

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37	5.056	5.044	5.125	VV	288	10300	0.20%	0.038%
38	5.128	5.125	5.163	VV	274	3651	0.07%	0.013%
39	5.170	5.163	5.222	VV	170	3262	0.06%	0.012%
40	5.237	5.222	5.251	VV	151	1572	0.03%	0.006%
41	5.260	5.251	5.275	VV	148	1298	0.02%	0.005%
42	5.311	5.275	5.335	VV	483	7059	0.13%	0.026%
43	5.356	5.335	5.395	VV	263	5245	0.10%	0.019%
44	5.411	5.395	5.455	VV	159	2527	0.05%	0.009%
45	5.484	5.455	5.555	PV	198	4641	0.09%	0.017%
46	5.572	5.555	5.601	VV	194	2346	0.04%	0.009%
47	5.625	5.601	5.662	VV	617	7919	0.15%	0.029%
48	5.676	5.662	5.694	VV	113	1263	0.02%	0.005%
49	5.703	5.694	5.722	VV	128	939	0.02%	0.003%
50	5.728	5.722	5.769	VV	78	1763	0.03%	0.006%
51	5.776	5.769	5.796	VV	152	1327	0.03%	0.005%
52	5.811	5.796	5.839	PV	193	2547	0.05%	0.009%
53	5.844	5.839	5.853	VV	76	531	0.01%	0.002%
54	5.868	5.853	5.895	VV	424	5332	0.10%	0.020%
55	5.939	5.895	5.971	VV	417	8176	0.15%	0.030%
56	5.994	5.971	6.037	VV	353	7141	0.14%	0.026%
57	6.079	6.037	6.091	VV	238	6275	0.12%	0.023%
58	6.096	6.091	6.144	VV	183	4719	0.09%	0.017%
59	6.159	6.144	6.241	VV	132	5651	0.11%	0.021%
60	6.252	6.241	6.289	VV	219	3811	0.07%	0.014%
61	6.330	6.289	6.344	VV	384	7162	0.14%	0.026%
62	6.383	6.344	6.424	VV	1671	42006	0.80%	0.154%
63	6.437	6.424	6.488	VV	445	14388	0.27%	0.053%
64	6.495	6.488	6.502	VV	419	3222	0.06%	0.012%
65	6.519	6.502	6.544	VV	545	11095	0.21%	0.041%
66	6.561	6.544	6.585	VV	531	10219	0.19%	0.038%
67	6.613	6.585	6.627	VV	310	6478	0.12%	0.024%
68	6.639	6.627	6.664	VV	308	5564	0.11%	0.020%
69	6.686	6.664	6.778	VV	2322	32265	0.61%	0.119%
70	6.787	6.778	6.811	VV	139	1552	0.03%	0.006%
71	6.831	6.811	6.869	VV	254	3840	0.07%	0.014%
72	6.933	6.869	6.973	VV	794	10400	0.20%	0.038%
73	6.987	6.973	7.015	PV	78	776	0.01%	0.003%
74	7.092	7.015	7.127	PV	168	4163	0.08%	0.015%
75	7.140	7.127	7.168	VV	179	2589	0.05%	0.010%
76	7.181	7.168	7.264	VV	84	2285	0.04%	0.008%
77	7.322	7.264	7.342	VV	872	12050	0.23%	0.044%
78	7.394	7.342	7.412	VV	805	22645	0.43%	0.083%
79	7.422	7.412	7.522	VV	708	26503	0.50%	0.097%
80	7.551	7.522	7.611	VV	666	17926	0.34%	0.066%
81	7.663	7.611	7.718	VV	406	11060	0.21%	0.041%
82	7.723	7.718	7.738	VV	186	1749	0.03%	0.006%
83	7.744	7.738	7.774	VV	223	3094	0.06%	0.011%
84	7.797	7.774	7.825	VV	187	3868	0.07%	0.014%
85	7.830	7.825	7.848	VV	116	1075	0.02%	0.004%
86	7.865	7.848	7.893	VV	135	1715	0.03%	0.006%
87	7.939	7.893	7.975	PV	161	5129	0.10%	0.019%
88	7.980	7.975	8.001	VV	167	1431	0.03%	0.005%
89	8.026	8.001	8.053	VV	1054	14353	0.27%	0.053%

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90	8.228	8.187	8.242	VV	638	15559	0.29%	0.057%
91	8.258	8.242	8.275	VV	968	11383	0.22%	0.042%
92	8.285	8.275	8.325	VV	406	5685	0.11%	0.021%
93	8.342	8.325	8.365	VV	111	1957	0.04%	0.007%
94	8.384	8.365	8.443	VV	190	6242	0.12%	0.023%
95	8.458	8.443	8.468	VV	171	1525	0.03%	0.006%
96	8.491	8.468	8.502	VV	187	2875	0.05%	0.011%
97	8.571	8.502	8.607	VV	537	17678	0.33%	0.065%
98	8.645	8.607	8.657	VV	430	9044	0.17%	0.033%
99	8.688	8.657	8.725	VV	2098	40356	0.76%	0.148%
100	8.739	8.725	8.775	VV	595	12911	0.24%	0.047%
101	8.817	8.775	8.871	VV	1932	48834	0.92%	0.179%
102	8.873	8.871	8.895	VV	376	3901	0.07%	0.014%
103	8.913	8.895	8.955	VV	821	12786	0.24%	0.047%
104	9.119	9.104	9.133	VV	268	3881	0.07%	0.014%
105	9.155	9.133	9.178	VV	681	9918	0.19%	0.036%
106	9.189	9.178	9.225	VV	237	4615	0.09%	0.017%
107	9.240	9.225	9.270	VV	136	2207	0.04%	0.008%
108	9.291	9.270	9.348	PV	777	12672	0.24%	0.047%
109	9.412	9.348	9.453	VV	1144	25581	0.48%	0.094%
110	9.509	9.453	9.523	VV	305	7480	0.14%	0.027%
111	9.552	9.523	9.635	VV	1914	39414	0.75%	0.145%
112	9.698	9.635	9.741	VV	401	12907	0.24%	0.047%
113	9.748	9.741	9.785	VV	233	2454	0.05%	0.009%
114	9.841	9.785	9.871	VV	263	6804	0.13%	0.025%
115	9.891	9.871	9.928	VV	350	6746	0.13%	0.025%
116	9.974	9.928	9.996	VV	373	9429	0.18%	0.035%
117	10.043	9.996	10.101	VV	657	19472	0.37%	0.072%
118	10.161	10.101	10.211	VV	50841	534688	10.12%	1.965%
119	10.227	10.211	10.264	VV	503	9339	0.18%	0.034%
120	10.294	10.264	10.344	VV	546	14230	0.27%	0.052%
121	10.363	10.344	10.385	VV	264	4066	0.08%	0.015%
122	10.400	10.385	10.425	VV	201	2786	0.05%	0.010%
123	10.456	10.425	10.498	VV	176	4775	0.09%	0.018%
124	10.503	10.498	10.540	VV	111	1435	0.03%	0.005%
125	10.557	10.540	10.600	VV	184	2855	0.05%	0.010%
126	10.638	10.600	10.668	VV	10618	114360	2.17%	0.420%
127	10.678	10.668	10.710	VV	181	3571	0.07%	0.013%
128	10.731	10.710	10.768	VV	488	6840	0.13%	0.025%
129	10.778	10.768	10.791	VV	66	856	0.02%	0.003%
130	10.851	10.791	10.888	VV	1619	27922	0.53%	0.103%
131	10.900	10.888	10.938	VV	452	8354	0.16%	0.031%
132	10.987	10.938	11.005	VV	921	15728	0.30%	0.058%
133	11.020	11.005	11.080	VV	462	10937	0.21%	0.040%
134	11.129	11.080	11.153	PV	751	10350	0.20%	0.038%
135	11.173	11.153	11.201	VV	445	8542	0.16%	0.031%
136	11.228	11.201	11.251	VV	273	6881	0.13%	0.025%
137	11.288	11.251	11.302	VV	780	14645	0.28%	0.054%
138	11.317	11.302	11.339	VV	787	12873	0.24%	0.047%
139	11.408	11.339	11.451	VV	1984	60734	1.15%	0.223%
140	11.458	11.451	11.518	VV	671	19143	0.36%	0.070%
141	11.526	11.518	11.531	VV	439	3156	0.06%	0.012%

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142	11.539	11.531	11.548	VV	491	4280	0.08%	0.016%
143	11.556	11.548	11.645	VV	523	16587	0.31%	0.061%
144	11.668	11.645	11.693	VV	691	11494	0.22%	0.042%
145	11.712	11.693	11.728	VV	554	7822	0.15%	0.029%
146	11.738	11.728	11.790	VV	496	7554	0.14%	0.028%
147	11.821	11.790	11.865	VV	978	16894	0.32%	0.062%
148	11.902	11.865	11.918	VV	493	8813	0.17%	0.032%
149	11.935	11.918	11.957	VV	441	7402	0.14%	0.027%
150	11.981	11.957	11.990	VV	281	4252	0.08%	0.016%
151	12.022	11.990	12.035	VV	1214	18300	0.35%	0.067%
152	12.066	12.035	12.117	VV	492507	5281043	100.00%	19.404%
153	12.157	12.117	12.185	VV	1641	32529	0.62%	0.120%
154	12.194	12.185	12.210	VV	648	7531	0.14%	0.028%
155	12.229	12.210	12.269	VV	1077	16087	0.30%	0.059%
156	12.289	12.269	12.308	VV	202	3230	0.06%	0.012%
157	12.325	12.308	12.348	VV	126	2290	0.04%	0.008%
158	12.353	12.348	12.361	VV	193	1023	0.02%	0.004%
159	12.399	12.361	12.423	VV	708	16347	0.31%	0.060%
160	12.460	12.423	12.478	VV	749	20460	0.39%	0.075%
161	12.531	12.478	12.615	VV	2635	117856	2.23%	0.433%
162	12.658	12.615	12.730	VV	43558	598969	11.34%	2.201%
163	12.743	12.730	12.763	VV	2431	42217	0.80%	0.155%
164	12.774	12.763	12.835	VV	1927	62267	1.18%	0.229%
165	12.860	12.835	12.875	VV	1256	28139	0.53%	0.103%
166	12.885	12.875	12.910	VV	1094	19737	0.37%	0.073%
167	12.925	12.910	12.951	VV	931	19187	0.36%	0.070%
168	12.990	12.951	13.027	VV	1064	30992	0.59%	0.114%
169	13.050	13.027	13.068	VV	1514	22385	0.42%	0.082%
170	13.083	13.068	13.100	VV	1290	17865	0.34%	0.066%
171	13.137	13.100	13.163	VV	2525	54516	1.03%	0.200%
172	13.179	13.163	13.234	VV	611	19642	0.37%	0.072%
173	13.252	13.234	13.343	VV	560	26736	0.51%	0.098%
174	13.378	13.343	13.395	VV	477	10553	0.20%	0.039%
175	13.412	13.395	13.429	VV	896	12473	0.24%	0.046%
176	13.453	13.429	13.469	VV	4276	54510	1.03%	0.200%
177	13.501	13.469	13.533	VV	354698	4096320	77.57%	15.051%
178	13.548	13.533	13.581	VV	1289	25665	0.49%	0.094%
179	13.589	13.581	13.602	VV	668	7697	0.15%	0.028%
180	13.614	13.602	13.637	VV	694	12496	0.24%	0.046%
181	13.675	13.637	13.698	VV	1100	27298	0.52%	0.100%
182	13.709	13.698	13.718	VV	709	7617	0.14%	0.028%
183	13.745	13.718	13.755	VV	1026	18544	0.35%	0.068%
184	13.792	13.755	13.855	VV	1630	80674	1.53%	0.296%
185	13.871	13.855	13.884	VV	1914	29201	0.55%	0.107%
186	13.916	13.884	13.931	VV	2205	53359	1.01%	0.196%
187	13.947	13.931	13.977	VV	2339	52764	1.00%	0.194%
188	13.999	13.977	14.030	VV	1703	45503	0.86%	0.167%
189	14.055	14.030	14.094	VV	1503	48081	0.91%	0.177%
190	14.118	14.094	14.164	VV	1171	42957	0.81%	0.158%
191	14.204	14.164	14.229	VV	4362	76262	1.44%	0.280%
192	14.252	14.229	14.291	VV	1414	41750	0.79%	0.153%
193	14.298	14.291	14.326	VV	1077	20881	0.40%	0.077%
194	14.343	14.326	14.353	VV	1162	17315	0.33%	0.064%

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195	14.382	14.353	14.408	VV	3249	59445	1.13%	0.218%
196	14.426	14.408	14.448	VV	1291	28373	0.54%	0.104%
197	14.468	14.448	14.482	VV	2173	35054	0.66%	0.129%
198	14.501	14.482	14.545	VV	2644	64409	1.22%	0.237%
199	14.552	14.545	14.569	VV	1264	17622	0.33%	0.065%
200	14.643	14.569	14.666	VV	11907	203380	3.85%	0.747%
201	14.686	14.666	14.710	VV	4880	81350	1.54%	0.299%
202	14.724	14.710	14.741	VV	2034	35383	0.67%	0.130%
203	14.752	14.741	14.772	VV	1688	29119	0.55%	0.107%
204	14.816	14.772	14.862	VV	2115	99733	1.89%	0.366%
205	14.885	14.862	14.906	VV	2270	51236	0.97%	0.188%
206	14.943	14.906	15.002	VV	2431	111954	2.12%	0.411%
207	15.046	15.002	15.066	VV	2399	73739	1.40%	0.271%
208	15.107	15.066	15.121	VV	2166	66589	1.26%	0.245%
209	15.131	15.121	15.148	VV	2224	32717	0.62%	0.120%
210	15.162	15.148	15.175	VV	2093	31309	0.59%	0.115%
211	15.197	15.175	15.223	VV	2287	60824	1.15%	0.223%
212	15.245	15.223	15.273	VV	3189	72160	1.37%	0.265%
213	15.316	15.273	15.336	VV	3761	108267	2.05%	0.398%
214	15.354	15.336	15.384	VV	3095	82501	1.56%	0.303%
215	15.403	15.384	15.435	VV	4036	88709	1.68%	0.326%
216	15.454	15.435	15.481	VV	2200	58240	1.10%	0.214%
217	15.501	15.481	15.523	VV	2137	51114	0.97%	0.188%
218	15.551	15.523	15.594	VV	2295	90041	1.70%	0.331%
219	15.617	15.594	15.638	VV	2249	55660	1.05%	0.205%
220	15.734	15.638	15.763	VV	22288	418482	7.92%	1.538%
221	15.779	15.763	15.799	VV	3153	63769	1.21%	0.234%
222	15.815	15.799	15.848	VV	3142	78564	1.49%	0.289%
223	15.878	15.848	15.915	VV	3256	105766	2.00%	0.389%
224	15.960	15.915	15.990	VV	3380	113963	2.16%	0.419%
225	16.009	15.990	16.045	VV	2188	63970	1.21%	0.235%
226	16.058	16.045	16.088	VV	1930	47166	0.89%	0.173%
227	16.112	16.088	16.125	VV	2004	41935	0.79%	0.154%
228	16.150	16.125	16.171	VV	4316	78064	1.48%	0.287%
229	16.190	16.171	16.226	VV	2591	67586	1.28%	0.248%
230	16.249	16.226	16.288	VV	2137	62661	1.19%	0.230%
231	16.299	16.288	16.327	VV	1468	33714	0.64%	0.124%
232	16.341	16.327	16.355	VV	1541	23334	0.44%	0.086%
233	16.380	16.355	16.427	VV	2856	77065	1.46%	0.283%
234	16.441	16.427	16.461	VV	1535	27634	0.52%	0.102%
235	16.478	16.461	16.496	VV	1225	24825	0.47%	0.091%
236	16.517	16.496	16.534	VV	1344	27974	0.53%	0.103%
237	16.565	16.534	16.642	VV	1577	75753	1.43%	0.278%
238	16.748	16.642	16.787	VV	3143	112997	2.14%	0.415%
239	16.804	16.787	16.837	VV	1006	27407	0.52%	0.101%
240	16.864	16.837	16.895	VV	3517	62633	1.19%	0.230%
241	16.904	16.895	16.921	VV	906	12606	0.24%	0.046%
242	16.944	16.921	16.985	VV	1298	31112	0.59%	0.114%
243	17.003	16.985	17.038	VV	864	23448	0.44%	0.086%
244	17.062	17.038	17.084	VV	1237	22117	0.42%	0.081%
245	17.108	17.084	17.160	VV	1392	32554	0.62%	0.120%
246	17.182	17.160	17.203	VV	930	15987	0.30%	0.059%

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247	17.232	17.203	17.268	VV	970	26777	0.51%	0.098%
248	17.296	17.268	17.305	VV	877	16720	0.32%	0.061%
249	17.331	17.305	17.355	VV	6689	99823	1.89%	0.367%
250	17.383	17.355	17.446	VV	19864	304855	5.77%	1.120%
251	17.461	17.446	17.508	VV	661	18914	0.36%	0.069%
252	17.531	17.508	17.556	VV	976	17371	0.33%	0.064%
253	17.575	17.556	17.637	VV	679	18031	0.34%	0.066%
254	17.680	17.637	17.738	VV	2513	48964	0.93%	0.180%
255	17.782	17.738	17.840	VV	11193	164635	3.12%	0.605%
256	17.869	17.840	17.901	VV	782	17340	0.33%	0.064%
257	17.913	17.901	17.931	VV	503	7778	0.15%	0.029%
258	17.948	17.931	17.983	VV	412	8232	0.16%	0.030%
259	18.004	17.983	18.034	VV	316	4671	0.09%	0.017%
260	18.065	18.034	18.080	PV	255	3570	0.07%	0.013%
261	18.100	18.080	18.128	VV	435	6045	0.11%	0.022%
262	18.174	18.128	18.191	PV	1208	19812	0.38%	0.073%
263	18.219	18.191	18.255	VV	18375	261345	4.95%	0.960%
264	18.264	18.255	18.283	VV	624	7995	0.15%	0.029%
265	18.309	18.283	18.361	VV	2454	39879	0.76%	0.147%
266	18.456	18.361	18.476	PV	623	16294	0.31%	0.060%
267	18.495	18.476	18.523	VV	659	11030	0.21%	0.041%
268	18.575	18.523	18.615	PV	12656	208434	3.95%	0.766%
269	18.642	18.615	18.712	VV	23839	346486	6.56%	1.273%
270	18.739	18.712	18.825	VV	1606	32846	0.62%	0.121%
271	18.854	18.825	18.875	PV	543	10048	0.19%	0.037%
272	18.906	18.875	18.932	VV	1218	21801	0.41%	0.080%
273	18.952	18.932	18.975	VV	636	9473	0.18%	0.035%
274	19.053	18.975	19.118	VV	29102	451463	8.55%	1.659%
275	19.154	19.118	19.237	VV	2220	55415	1.05%	0.204%
276	19.268	19.237	19.278	VV	165	2669	0.05%	0.010%
277	19.309	19.278	19.335	VV	1486	23413	0.44%	0.086%
278	19.354	19.335	19.372	VV	870	11615	0.22%	0.043%
279	19.406	19.372	19.425	VV	9470	152172	2.88%	0.559%
280	19.451	19.425	19.514	VV	29125	471156	8.92%	1.731%
281	19.548	19.514	19.600	VV	1483	36335	0.69%	0.134%
282	19.649	19.600	19.668	VV	1279	33336	0.63%	0.122%
283	19.699	19.668	19.723	VV	2593	46788	0.89%	0.172%
284	19.746	19.723	19.782	VV	1620	34119	0.65%	0.125%
285	19.837	19.782	19.892	VV	29874	481463	9.12%	1.769%
286	19.939	19.892	19.976	VV	1927	53467	1.01%	0.196%
287	20.020	19.976	20.047	VV	1409	38980	0.74%	0.143%
288	20.077	20.047	20.101	VV	2482	52564	1.00%	0.193%
289	20.123	20.101	20.158	VV	2460	55668	1.05%	0.205%
290	20.212	20.158	20.286	VV	23520	440529	8.34%	1.619%
291	20.312	20.286	20.340	VV	2050	47469	0.90%	0.174%
292	20.397	20.340	20.413	VV	1960	65865	1.25%	0.242%
293	20.443	20.413	20.472	VV	3626	97012	1.84%	0.356%
294	20.489	20.472	20.528	VV	2911	69759	1.32%	0.256%
295	20.577	20.528	20.613	VV	24806	451464	8.55%	1.659%
296	20.633	20.613	20.705	VV	3841	173830	3.29%	0.639%
297	20.742	20.705	20.778	VV	4809	151066	2.86%	0.555%
298	20.807	20.778	20.834	VV	3236	96293	1.82%	0.354%
299	20.854	20.834	20.885	VV	3181	74315	1.41%	0.273%

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300	20.944	20.885	20.984	VV	16193	372390	7.05%	1.368%
301	20.995	20.984	21.078	VV	3433	156654	2.97%	0.576%
302	21.131	21.078	21.168	VV	3062	131380	2.49%	0.483%
303	21.197	21.168	21.221	VV	2352	64680	1.22%	0.238%
304	21.254	21.221	21.305	VV	2613	98606	1.87%	0.362%
305	21.350	21.305	21.432	VV	13124	342110	6.48%	1.257%
306	21.461	21.432	21.491	VV	1332	40461	0.77%	0.149%
307	21.561	21.491	21.594	VV	1237	66870	1.27%	0.246%
308	21.633	21.594	21.653	VV	1156	35467	0.67%	0.130%
309	21.705	21.653	21.761	VV	1553	70177	1.33%	0.258%
310	21.807	21.761	21.916	VV	6745	189565	3.59%	0.697%
311	21.952	21.916	21.968	VV	481	11266	0.21%	0.041%
312	22.020	21.968	22.038	VV	612	19236	0.36%	0.071%
313	22.060	22.038	22.089	VV	615	13775	0.26%	0.051%
314	22.131	22.089	22.168	VV	513	13167	0.25%	0.048%

Sum of corrected areas: 27216486

Aliphatic EPH 062725.M Sat Jun 28 02:36:51 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC063025AL\
Data File : FC069328.D
Signal(s) : FID1A.ch
Acq On : 30 Jun 2025 13:01
Operator : YP/AJ
Sample : Q2431-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
S-5

Integration File: autoint1.e
Quant Time: Jul 01 05:04:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 14:24:27 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)	11.678	4673415	27.052 ug/ml
Spiked Amount 50.000		Recovery =	54.10%
12) S 1-chlorooctadecane (S...	13.114	3545638	27.140 ug/ml
Spiked Amount 50.000		Recovery =	54.28%
Target Compounds			

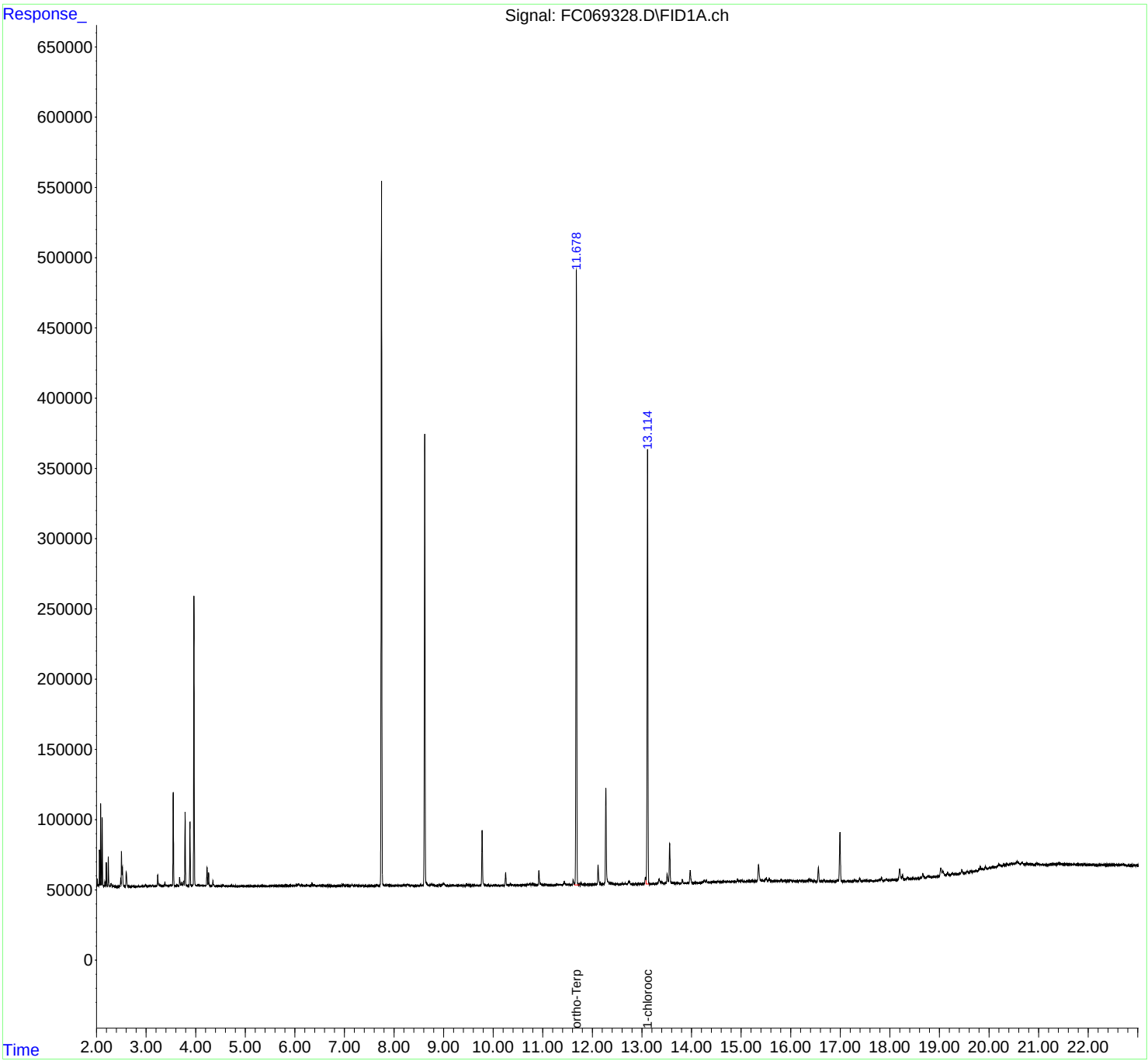
(f)=RT Delta > 1/2 Window (m)=manual int.

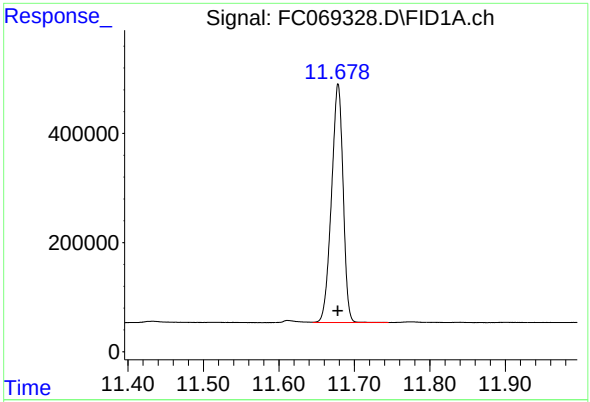
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC063025AL\
Data File : FC069328.D
Signal(s) : FID1A.ch
Acq On : 30 Jun 2025 13:01
Operator : YP/AJ
Sample : Q2431-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
S-5

Integration File: autoint1.e
Quant Time: Jul 01 05:04:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 14:24:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

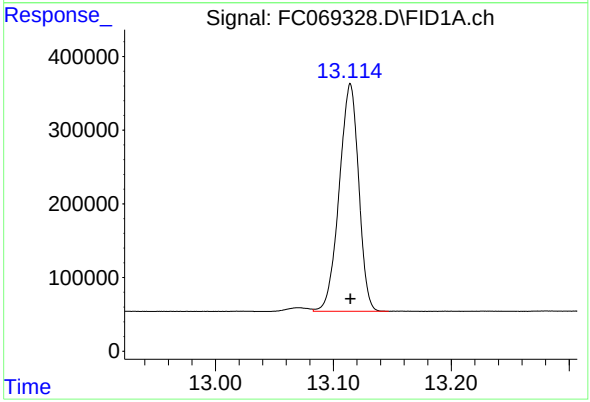




#9 ortho-Terphenyl (SURR)

R.T.: 11.678 min
Delta R.T.: 0.000 min
Response: 4673415
Conc: 27.05 ug/ml

Instrument :
FID_C
ClientSampleId :
S-5



#12 1-chlorooctadecane (SURR)

R.T.: 13.114 min
Delta R.T.: 0.000 min
Response: 3545638
Conc: 27.14 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC063025AL\
Data File : FC069328.D
Signal(s) : FID1A.ch
Acq On : 30 Jun 2025 13:01
Sample : Q2431-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.235	3.204	3.298	BV	7990	82255	1.75%	0.327%
2	3.310	3.298	3.335	VV	403	3753	0.08%	0.015%
3	3.380	3.335	3.428	PV	2811	32296	0.69%	0.128%
4	3.442	3.428	3.461	VV	354	4805	0.10%	0.019%
5	3.479	3.461	3.492	VV	595	7466	0.16%	0.030%
6	3.507	3.492	3.523	VV	694	9575	0.20%	0.038%
7	3.548	3.523	3.596	VV	66458	529437	11.29%	2.102%
8	3.624	3.596	3.660	VV	693	12089	0.26%	0.048%
9	3.677	3.660	3.706	VV	5992	67332	1.44%	0.267%
10	3.722	3.706	3.739	VV	3150	31146	0.66%	0.124%
11	3.758	3.739	3.771	VV	3538	36637	0.78%	0.145%
12	3.788	3.771	3.848	VV	52659	430433	9.18%	1.709%
13	3.885	3.848	3.918	VV	45307	370264	7.90%	1.470%
14	3.966	3.918	4.025	VV	203984	1653084	35.26%	6.564%
15	4.048	4.025	4.064	VV	879	14144	0.30%	0.056%
16	4.077	4.064	4.092	VV	810	10138	0.22%	0.040%
17	4.103	4.092	4.141	VV	804	15022	0.32%	0.060%
18	4.147	4.141	4.164	VV	393	4451	0.09%	0.018%
19	4.185	4.164	4.195	VV	561	7465	0.16%	0.030%
20	4.230	4.195	4.247	VV	13220	146998	3.14%	0.584%
21	4.261	4.247	4.294	VV	9801	86961	1.85%	0.345%
22	4.314	4.294	4.325	VV	206	3157	0.07%	0.013%
23	4.348	4.325	4.393	VV	3952	42214	0.90%	0.168%
24	4.436	4.393	4.444	VV	210	4133	0.09%	0.016%
25	4.451	4.444	4.463	VV	186	1628	0.03%	0.006%

rteres

26	4.476	4.463	4.491	VV	462	3624	0.08%	0.014%
27	4.552	4.491	4.598	VV	1151	20682	0.44%	0.082%
28	4.621	4.598	4.674	VV	348	6117	0.13%	0.024%
29	4.723	4.674	4.796	VV	675	11134	0.24%	0.044%
30	4.812	4.796	4.847	VV	146	2541	0.05%	0.010%
31	4.858	4.847	4.870	PV	75	552	0.01%	0.002%
32	4.917	4.870	4.958	PV	135	4276	0.09%	0.017%
33	4.973	4.958	4.994	VV	191	2338	0.05%	0.009%
34	5.035	4.994	5.054	VV	338	6539	0.14%	0.026%
35	5.065	5.054	5.138	VV	252	7000	0.15%	0.028%
36	5.152	5.138	5.184	VV	152	3357	0.07%	0.013%
37	5.190	5.184	5.199	VV	92	702	0.01%	0.003%
38	5.208	5.199	5.261	VV	146	3866	0.08%	0.015%
39	5.271	5.261	5.318	VV	183	2917	0.06%	0.012%
40	5.335	5.318	5.384	VV	555	7682	0.16%	0.031%
41	5.400	5.384	5.417	VV	148	2027	0.04%	0.008%
42	5.434	5.417	5.456	VV	164	2752	0.06%	0.011%
43	5.468	5.456	5.490	VV	162	2201	0.05%	0.009%
44	5.515	5.490	5.530	VV	233	3559	0.08%	0.014%
45	5.548	5.530	5.559	VV	435	5127	0.11%	0.020%
46	5.568	5.559	5.596	VV	385	5560	0.12%	0.022%
47	5.621	5.596	5.651	VV	500	9606	0.20%	0.038%
48	5.658	5.651	5.681	VV	239	4094	0.09%	0.016%
49	5.702	5.681	5.738	VV	337	9485	0.20%	0.038%
50	5.753	5.738	5.767	VV	349	5075	0.11%	0.020%
51	5.775	5.767	5.791	VV	247	3501	0.07%	0.014%
52	5.815	5.791	5.843	VV	336	8052	0.17%	0.032%
53	5.865	5.843	5.881	VV	351	6564	0.14%	0.026%
54	5.906	5.881	5.951	VV	655	16326	0.35%	0.065%
55	5.964	5.951	5.981	VV	409	5051	0.11%	0.020%
56	6.001	5.981	6.014	VV	521	8096	0.17%	0.032%
57	6.027	6.014	6.046	VV	1054	13957	0.30%	0.055%
58	6.074	6.046	6.119	VV	1656	36616	0.78%	0.145%
59	6.132	6.119	6.191	VV	614	18683	0.40%	0.074%
60	6.219	6.191	6.268	VV	493	19918	0.42%	0.079%
61	6.278	6.268	6.291	VV	397	4767	0.10%	0.019%
62	6.298	6.291	6.308	VV	341	3224	0.07%	0.013%
63	6.347	6.308	6.428	VV	2360	44265	0.94%	0.176%
64	6.495	6.428	6.553	VV	426	22125	0.47%	0.088%
65	6.575	6.553	6.625	VV	551	11775	0.25%	0.047%
66	6.644	6.625	6.761	VV	191	11124	0.24%	0.044%
67	6.776	6.761	6.793	VV	188	2591	0.06%	0.010%
68	6.805	6.793	6.854	VV	192	4709	0.10%	0.019%
69	6.861	6.854	6.884	VV	151	2064	0.04%	0.008%

rteres

70	6.900	6.884	6.929	VV	127	2852	0.06%	0.011%
71	6.952	6.929	6.961	VV	903	8911	0.19%	0.035%
72	6.972	6.961	7.020	VV	988	18362	0.39%	0.073%
73	7.033	7.020	7.078	VV	383	8028	0.17%	0.032%
74	7.097	7.078	7.110	VV	169	3130	0.07%	0.012%
75	7.154	7.110	7.182	VV	1226	18126	0.39%	0.072%
76	7.224	7.182	7.243	VV	352	7757	0.17%	0.031%
77	7.289	7.243	7.312	VV	409	11055	0.24%	0.044%
78	7.325	7.312	7.348	VV	341	4014	0.09%	0.016%
79	7.362	7.348	7.408	VV	136	2950	0.06%	0.012%
80	7.430	7.408	7.450	VV	211	2642	0.06%	0.010%
81	7.482	7.450	7.508	VV	123	2582	0.06%	0.010%
82	7.514	7.508	7.526	VV	99	586	0.01%	0.002%
83	7.560	7.526	7.625	VV	185	4141	0.09%	0.016%
84	7.646	7.625	7.700	VV	1062	14765	0.31%	0.059%
85	7.846	7.828	7.870	VV	677	13491	0.29%	0.054%
86	7.885	7.870	7.941	VV	888	17975	0.38%	0.071%
87	7.998	7.941	8.067	VV	316	17622	0.38%	0.070%
88	8.077	8.067	8.158	VV	341	15031	0.32%	0.060%
89	8.198	8.158	8.224	VV	805	16921	0.36%	0.067%
90	8.269	8.224	8.378	VV	1131	40224	0.86%	0.160%
91	8.396	8.378	8.431	VV	188	4128	0.09%	0.016%
92	8.533	8.467	8.558	PV	884	14519	0.31%	0.058%
93	8.736	8.721	8.744	VV	612	7733	0.16%	0.031%
94	8.773	8.744	8.854	VV	1077	29509	0.63%	0.117%
95	8.864	8.854	8.882	VV	156	2247	0.05%	0.009%
96	8.909	8.882	8.954	VV	975	19657	0.42%	0.078%
97	8.999	8.954	9.106	VV	1455	56044	1.20%	0.223%
98	9.128	9.106	9.154	VV	366	5268	0.11%	0.021%
99	9.182	9.154	9.207	VV	280	6377	0.14%	0.025%
100	9.230	9.207	9.277	VV	237	5948	0.13%	0.024%
101	9.305	9.277	9.384	VV	202	8531	0.18%	0.034%
102	9.458	9.384	9.492	VV	975	21060	0.45%	0.084%
103	9.507	9.492	9.560	VV	537	14334	0.31%	0.057%
104	9.579	9.560	9.644	VV	398	13412	0.29%	0.053%
105	9.666	9.644	9.708	VV	313	7548	0.16%	0.030%
106	9.778	9.708	9.873	VV	39476	454051	9.68%	1.803%
107	9.902	9.873	9.931	VV	486	10109	0.22%	0.040%
108	9.960	9.931	9.994	VV	105	3245	0.07%	0.013%
109	10.012	9.994	10.101	VV	316	10550	0.23%	0.042%
110	10.119	10.101	10.133	VV	124	1506	0.03%	0.006%
111	10.146	10.133	10.195	VV	123	2634	0.06%	0.010%
112	10.252	10.195	10.315	PV	9232	112025	2.39%	0.445%

rteres

113	10.347	10.315	10.384	VV	1014	21039	0.45%	0.084%
114	10.395	10.384	10.426	VV	300	5707	0.12%	0.023%
115	10.437	10.426	10.461	VV	210	3758	0.08%	0.015%
116	10.464	10.461	10.498	VV	236	3388	0.07%	0.013%
117	10.511	10.498	10.524	VV	413	4679	0.10%	0.019%
118	10.544	10.524	10.577	VV	373	7671	0.16%	0.030%
119	10.601	10.577	10.633	VV	457	9728	0.21%	0.039%
120	10.643	10.633	10.661	VV	348	4127	0.09%	0.016%
121	10.679	10.661	10.706	VV	735	12824	0.27%	0.051%
122	10.742	10.706	10.764	VV	1454	27987	0.60%	0.111%
123	10.783	10.764	10.824	VV	1248	26820	0.57%	0.107%
124	10.834	10.824	10.881	VV	539	12262	0.26%	0.049%
125	10.923	10.881	11.005	VV	10695	146667	3.13%	0.582%
126	11.041	11.005	11.063	VV	957	17605	0.38%	0.070%
127	11.081	11.063	11.118	VV	452	9284	0.20%	0.037%
128	11.130	11.118	11.197	VV	187	4168	0.09%	0.017%
129	11.211	11.197	11.228	VV	101	934	0.02%	0.004%
130	11.281	11.228	11.303	VV	608	8989	0.19%	0.036%
131	11.324	11.303	11.398	VV	506	19066	0.41%	0.076%
132	11.432	11.398	11.497	VV	2523	56367	1.20%	0.224%
133	11.514	11.497	11.578	VV	587	16169	0.34%	0.064%
134	11.613	11.578	11.643	VV	4031	53836	1.15%	0.214%
135	11.678	11.643	11.751	VV	436794	4688323	100.00%	18.617%
136	11.775	11.751	11.824	VV	1440	28534	0.61%	0.113%
137	11.839	11.824	11.876	VV	527	7454	0.16%	0.030%
138	11.902	11.876	11.935	PV	422	8780	0.19%	0.035%
139	11.955	11.935	11.971	VV	247	4223	0.09%	0.017%
140	12.023	11.971	12.034	VV	449	10841	0.23%	0.043%
141	12.060	12.034	12.084	VV	752	15716	0.34%	0.062%
142	12.116	12.084	12.218	VV	14084	207133	4.42%	0.823%
143	12.273	12.218	12.341	VV	69497	863872	18.43%	3.430%
144	12.356	12.341	12.371	VV	1314	20096	0.43%	0.080%
145	12.386	12.371	12.430	VV	1302	28410	0.61%	0.113%
146	12.452	12.430	12.463	VV	523	9278	0.20%	0.037%
147	12.474	12.463	12.482	VV	538	5320	0.11%	0.021%
148	12.490	12.482	12.529	VV	491	9519	0.20%	0.038%
149	12.603	12.529	12.624	VV	675	17196	0.37%	0.068%
150	12.662	12.624	12.707	VV	1002	24128	0.51%	0.096%
151	12.747	12.707	12.858	VV	2094	59294	1.26%	0.235%
152	12.877	12.858	12.895	VV	171	2466	0.05%	0.010%
153	12.925	12.895	12.981	VV	281	8405	0.18%	0.033%
154	13.021	12.981	13.040	VV	310	6334	0.14%	0.025%
155	13.071	13.040	13.083	VV	5055	65658	1.40%	0.261%

rteres

156	13.114	13.083	13.148	VV	309153	3553849	75.80%	14.112%
157	13.156	13.148	13.179	VV	394	4573	0.10%	0.018%
158	13.199	13.179	13.210	VV	279	3637	0.08%	0.014%
159	13.230	13.210	13.258	VV	333	6400	0.14%	0.025%
160	13.280	13.258	13.301	VV	515	8724	0.19%	0.035%
161	13.345	13.301	13.390	VV	3525	87859	1.87%	0.349%
162	13.400	13.390	13.437	VV	1141	22618	0.48%	0.090%
163	13.472	13.437	13.483	VV	839	17848	0.38%	0.071%
164	13.509	13.483	13.534	VV	7205	102228	2.18%	0.406%
165	13.560	13.534	13.597	VV	28781	361553	7.71%	1.436%
166	13.611	13.597	13.670	VV	938	25884	0.55%	0.103%
167	13.684	13.670	13.698	VV	520	8045	0.17%	0.032%
168	13.716	13.698	13.758	VV	601	15667	0.33%	0.062%
169	13.816	13.758	13.841	VV	3032	49456	1.05%	0.196%
170	13.864	13.841	13.889	VV	648	14962	0.32%	0.059%
171	13.898	13.889	13.914	VV	480	6662	0.14%	0.026%
172	13.921	13.914	13.937	VV	465	5479	0.12%	0.022%
173	13.974	13.937	14.048	VV	9598	156708	3.34%	0.622%
174	14.103	14.048	14.151	VV	777	34824	0.74%	0.138%
175	14.165	14.151	14.174	VV	540	6365	0.14%	0.025%
176	14.225	14.174	14.238	VV	1108	25532	0.54%	0.101%
177	14.259	14.238	14.282	VV	2392	43121	0.92%	0.171%
178	14.301	14.282	14.329	VV	2211	40704	0.87%	0.162%
179	14.362	14.329	14.388	VV	873	25232	0.54%	0.100%
180	14.432	14.388	14.474	VV	1424	47225	1.01%	0.188%
181	14.486	14.474	14.513	VV	977	20173	0.43%	0.080%
182	14.532	14.513	14.548	VV	1378	24244	0.52%	0.096%
183	14.555	14.548	14.607	VV	1243	35682	0.76%	0.142%
184	14.647	14.607	14.691	VV	1307	48511	1.03%	0.193%
185	14.717	14.691	14.731	VV	1208	25970	0.55%	0.103%
186	14.744	14.731	14.758	VV	1346	19308	0.41%	0.077%
187	14.772	14.758	14.789	VV	1140	19174	0.41%	0.076%
188	14.823	14.789	14.844	VV	1273	36589	0.78%	0.145%
189	14.858	14.844	14.891	VV	1091	28771	0.61%	0.114%
190	14.929	14.891	14.952	VV	2289	53607	1.14%	0.213%
191	14.969	14.952	14.994	VV	1620	34686	0.74%	0.138%
192	15.015	14.994	15.051	VV	1977	48350	1.03%	0.192%
193	15.062	15.051	15.088	VV	1157	23976	0.51%	0.095%
194	15.116	15.088	15.141	VV	1345	37227	0.79%	0.148%
195	15.165	15.141	15.194	VV	1511	40260	0.86%	0.160%
196	15.223	15.194	15.264	VV	1392	51533	1.10%	0.205%
197	15.289	15.264	15.311	VV	1357	35399	0.76%	0.141%
198	15.351	15.311	15.436	VV	12813	297140	6.34%	1.180%
199	15.443	15.436	15.461	VV	1479	20848	0.44%	0.083%

rteres

200	15.509	15.461	15.542	VV	3054	95069	2.03%	0.378%
201	15.569	15.542	15.608	VV	2744	67968	1.45%	0.270%
202	15.619	15.608	15.653	VV	1309	30845	0.66%	0.122%
203	15.671	15.653	15.684	VV	1172	20867	0.45%	0.083%
204	15.688	15.684	15.721	VV	1169	23638	0.50%	0.094%
205	15.761	15.721	15.774	VV	1185	34668	0.74%	0.138%
206	15.807	15.774	15.844	VV	1704	53008	1.13%	0.210%
207	15.878	15.844	15.932	VV	1314	55808	1.19%	0.222%
208	15.991	15.932	16.044	VV	1549	75129	1.60%	0.298%
209	16.054	16.044	16.071	VV	1044	14953	0.32%	0.059%
210	16.087	16.071	16.111	VV	828	18220	0.39%	0.072%
211	16.124	16.111	16.149	VV	840	17587	0.38%	0.070%
212	16.185	16.149	16.214	VV	1319	37742	0.81%	0.150%
213	16.234	16.214	16.277	VV	804	25441	0.54%	0.101%
214	16.329	16.277	16.347	VV	994	31895	0.68%	0.127%
215	16.371	16.347	16.391	VV	1727	33306	0.71%	0.132%
216	16.411	16.391	16.449	VV	1721	36474	0.78%	0.145%
217	16.477	16.449	16.508	VV	1353	27755	0.59%	0.110%
218	16.517	16.508	16.525	VV	360	3521	0.08%	0.014%
219	16.559	16.525	16.593	VV	10450	143738	3.07%	0.571%
220	16.624	16.593	16.650	VV	541	16091	0.34%	0.064%
221	16.675	16.650	16.704	VV	1418	25648	0.55%	0.102%
222	16.722	16.704	16.773	VV	532	15588	0.33%	0.062%
223	16.794	16.773	16.815	VV	712	11699	0.25%	0.046%
224	16.851	16.815	16.888	VV	510	15916	0.34%	0.063%
225	16.944	16.888	16.962	VV	1402	28245	0.60%	0.112%
226	16.995	16.962	17.048	VV	35189	470821	10.04%	1.870%
227	17.074	17.048	17.114	VV	323	7906	0.17%	0.031%
228	17.141	17.114	17.161	VV	589	9298	0.20%	0.037%
229	17.186	17.161	17.244	VV	413	9170	0.20%	0.036%
230	17.286	17.244	17.318	PV	1029	22072	0.47%	0.088%
231	17.321	17.318	17.360	VV	622	7778	0.17%	0.031%
232	17.394	17.360	17.444	VV	2360	37700	0.80%	0.150%
233	17.484	17.444	17.504	PV	526	10427	0.22%	0.041%
234	17.526	17.504	17.584	VV	685	18881	0.40%	0.075%
235	17.617	17.584	17.658	VV	454	8840	0.19%	0.035%
236	17.679	17.658	17.693	VV	163	1640	0.03%	0.007%
237	17.713	17.693	17.739	VV	380	5010	0.11%	0.020%
238	17.786	17.739	17.807	PV	926	15829	0.34%	0.063%
239	17.833	17.807	17.861	VV	2543	34478	0.74%	0.137%
240	17.931	17.861	17.971	PV	853	25464	0.54%	0.101%
241	17.992	17.971	18.019	VV	249	4853	0.10%	0.019%
242	18.046	18.019	18.054	VV	348	5329	0.11%	0.021%

rteres

243	18.071	18.054	18.091	VV	309	4840	0.10%	0.019%
244	18.107	18.091	18.141	VV	156	2509	0.05%	0.010%
245	18.198	18.141	18.235	PV	7766	148641	3.17%	0.590%
246	18.256	18.235	18.291	VV	3106	49771	1.06%	0.198%
247	18.314	18.291	18.331	PV	246	3703	0.08%	0.015%
248	18.357	18.331	18.414	VV	1622	31812	0.68%	0.126%
249	18.422	18.414	18.435	VV	194	1680	0.04%	0.007%
250	18.465	18.435	18.495	VV	761	12955	0.28%	0.051%
251	18.519	18.495	18.538	VV	251	4497	0.10%	0.018%
252	18.576	18.538	18.595	VV	199	4718	0.10%	0.019%
253	18.666	18.595	18.724	PV	3133	66855	1.43%	0.265%
254	18.769	18.724	18.848	VV	1319	46936	1.00%	0.186%
255	18.880	18.848	18.904	VV	569	15582	0.33%	0.062%
256	18.946	18.904	18.981	VV	654	25153	0.54%	0.100%
257	19.028	18.981	19.051	VV	6386	126770	2.70%	0.503%
258	19.070	19.051	19.112	VV	4026	102761	2.19%	0.408%
259	19.163	19.112	19.217	VV	2448	88794	1.89%	0.353%
260	19.263	19.217	19.288	VV	1950	56542	1.21%	0.225%
261	19.318	19.288	19.341	VV	1561	40986	0.87%	0.163%
262	19.365	19.341	19.378	VV	1230	24906	0.53%	0.099%
263	19.453	19.378	19.484	VV	4061	122712	2.62%	0.487%
264	19.556	19.484	19.591	VV	2610	116426	2.48%	0.462%
265	19.632	19.591	19.664	VV	2434	88768	1.89%	0.353%
266	19.740	19.664	19.763	VV	2679	138599	2.96%	0.550%
267	19.826	19.763	19.850	VV	4928	182818	3.90%	0.726%
268	19.865	19.850	19.898	VV	3517	94946	2.03%	0.377%
269	19.928	19.898	19.974	VV	5006	172748	3.68%	0.686%
270	20.014	19.974	20.032	VV	4308	132647	2.83%	0.527%
271	20.080	20.032	20.124	VV	4490	230035	4.91%	0.913%
272	20.197	20.124	20.264	VV	6112	403861	8.61%	1.604%
273	20.295	20.264	20.331	VV	5411	199228	4.25%	0.791%
274	20.360	20.331	20.394	VV	5951	204532	4.36%	0.812%
275	20.439	20.394	20.484	VV	6074	303377	6.47%	1.205%
276	20.492	20.484	20.500	VV	5597	51000	1.09%	0.203%
277	20.531	20.500	20.544	VV	6075	154381	3.29%	0.613%
278	20.573	20.544	20.630	VV	6950	310467	6.62%	1.233%
279	20.666	20.630	20.720	VV	6072	284001	6.06%	1.128%
280	20.753	20.720	20.808	VV	4826	242085	5.16%	0.961%
281	20.831	20.808	20.856	VV	4526	127812	2.73%	0.508%
282	20.874	20.856	20.911	VV	4440	137539	2.93%	0.546%
283	20.960	20.911	21.057	VV	4516	343376	7.32%	1.364%
284	21.081	21.057	21.144	VV	3499	176559	3.77%	0.701%
285	21.155	21.144	21.181	VV	3187	68764	1.47%	0.273%

rteres

286	21.216	21.181	21.228	VV	3079	84434	1.80%	0.335%
287	21.282	21.228	21.298	VV	3414	134415	2.87%	0.534%
288	21.311	21.298	21.322	VV	3251	46139	0.98%	0.183%
289	21.332	21.322	21.353	VV	3144	55556	1.18%	0.221%
290	21.420	21.353	21.431	VV	3315	149292	3.18%	0.593%
291	21.438	21.431	21.528	VV	3279	167653	3.58%	0.666%
292	21.555	21.528	21.598	VV	2646	104645	2.23%	0.416%
293	21.607	21.598	21.638	VV	2295	52378	1.12%	0.208%
294	21.660	21.638	21.708	VV	2222	87841	1.87%	0.349%
295	21.713	21.708	21.755	VV	2008	51818	1.11%	0.206%
296	21.790	21.755	21.877	VV	1789	116638	2.49%	0.463%
297	21.911	21.877	21.954	VV	1469	61640	1.31%	0.245%
298	21.975	21.954	22.000	VV	1179	30535	0.65%	0.121%
299	22.035	22.000	22.068	VV	1009	39080	0.83%	0.155%
300	22.090	22.068	22.161	VV	837	30521	0.65%	0.121%
301	22.164	22.161	22.177	VV	213	1025	0.02%	0.004%

Sum of corrected areas: 25182380

Aliphatic EPH 061825.M Tue Jul 01 05:54:30 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070325AL\
Data File : FE054685.D
Signal(s) : FID1B.ch
Acq On : 03 Jul 2025 11:39
Operator : YP\AJ
Sample : PB168635BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
PB168635BL

Integration File: autoint1.e
Quant Time: Jul 04 03:00:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Fri Jun 27 15:19:13 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)	12.079	6685829	41.170 ug/ml
Spiked Amount 50.000		Recovery =	82.34%
12) S 1-chlorooctadecane (S...	13.515	5280710	41.813 ug/ml
Spiked Amount 50.000		Recovery =	83.63%
Target Compounds			

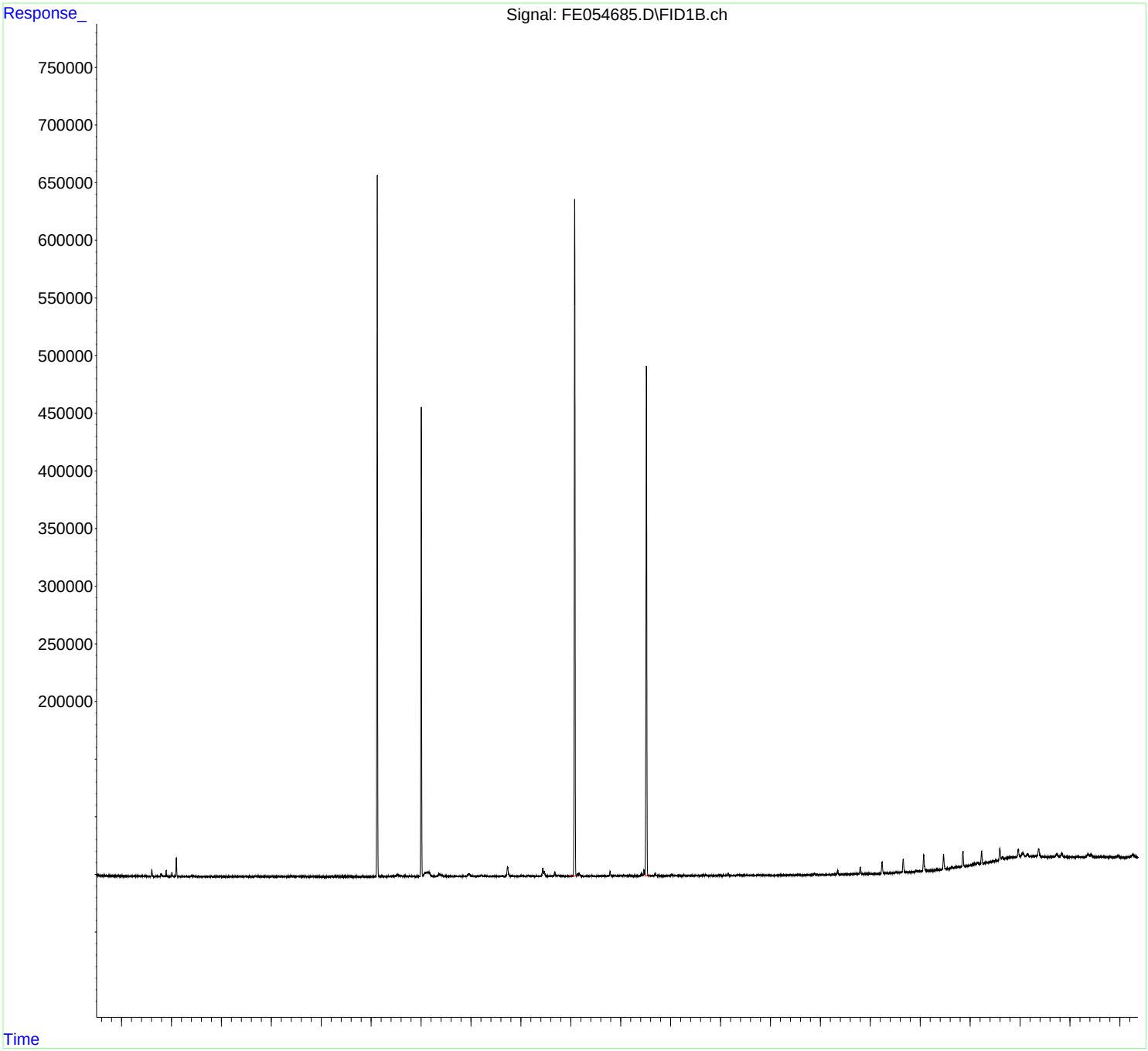
(f)=RT Delta > 1/2 Window (m)=manual int.

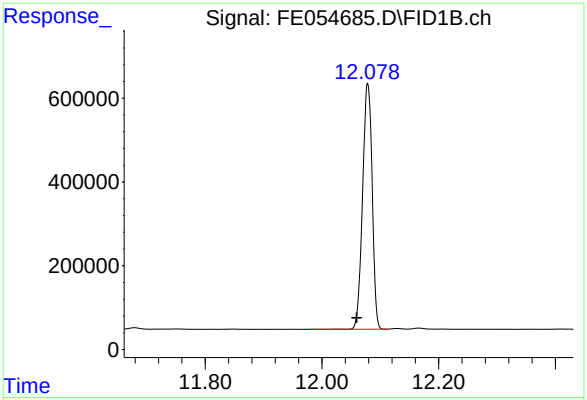
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070325AL\
Data File : FE054685.D
Signal(s) : FID1B.ch
Acq On : 03 Jul 2025 11:39
Operator : YP\AJ
Sample : PB168635BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
PB168635BL

Integration File: autoint1.e
Quant Time: Jul 04 03:00:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Fri Jun 27 15:19:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

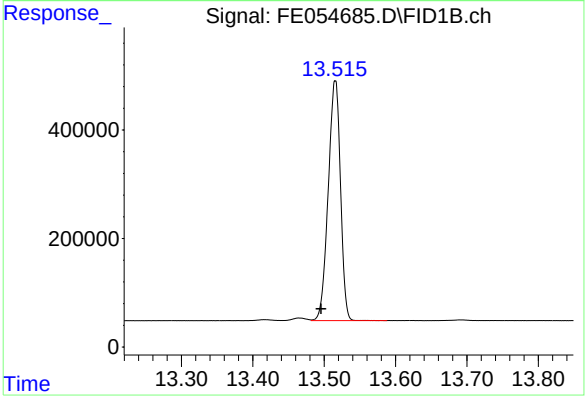




#9 ortho-Terphenyl (SURR)

R.T.: 12.079 min
Delta R.T.: 0.019 min
Response: 6685829
Conc: 41.17 ug/ml

Instrument :
FID_E
ClientSampleId :
PB168635BL



#12 1-chlorooctadecane (SURR)

R.T.: 13.515 min
Delta R.T.: 0.020 min
Response: 5280710
Conc: 41.81 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070325AL\
Data File : FE054685.D
Signal(s) : FID1B.ch
Acq On : 03 Jul 2025 11:39
Sample : PB168635BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.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	12.079	11.982	12.110	BV	586160	6685829	100.00%	55.871%
2	13.515	13.482	13.587	VB	443526	5280710	78.98%	44.129%
			Sum of corrected areas:			11966539		

Aliphatic EPH 062725.M Fri Jul 04 03:18:57 2025

Page 1

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070325AL\
Data File : FE054686.D
Signal(s) : FID1B.ch
Acq On : 03 Jul 2025 12:09
Operator : YP\AJ
Sample : PB168635BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
PB168635BS

Integration File: autoint1.e
Quant Time: Jul 04 03:00:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Fri Jun 27 15:19:13 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)	12.077	6576935	40.500 ug/ml
Spiked Amount	50.000		Recovery =	81.00%
12) S	1-chlorooctadecane (S...	13.512	5225380	41.375 ug/ml
Spiked Amount	50.000		Recovery =	82.75%
	Target Compounds			
1) T	n-Nonane (C9)	3.430	5534645	41.147 ug/ml
2) T	n-Decane (C10)	4.682	5972884	43.774 ug/ml
3) T	A~Naphthalene (C11.7)	6.393	7350494	48.546 ug/ml
4) T	n-Dodecane (C12)	6.852	6199481	45.183 ug/ml
5) T	A~2-methylnaphthalene...	7.493	6869760	46.732 ug/ml
6) T	n-Tetradecane (C14)	8.689	6242496	45.031 ug/ml
7) T	n-Hexadecane (C16)	10.302	6304844	44.241 ug/ml
8) T	n-Octadecane (C18)	11.752	6243335	42.601 ug/ml
10) T	n-Eicosane (C20)	13.066	6366751	44.277 ug/ml
11) T	n-Heneicosane (C21)	13.679	6091059	42.645 ug/ml
13) T	n-Docosane (C22)	14.267	5995469	41.988 ug/ml
14) T	n-Tetracosane (C24)	15.369	12523791	86.154 ug/ml
15) T	n-Hexacosane (C26)	16.397	5761868	39.815 ug/ml
16) T	n-Octacosane (C28)	17.348	5656101	38.810 ug/ml
17) T	n-Tricontane (C30)	18.238	5765177	36.585 ug/ml
18) T	n-Dotriacontane (C32)	19.071	5789102	35.782 ug/ml
19) T	n-Tetratriacontane (C34)	19.856	6074009	39.858 ug/ml
20) T	n-Hexatriacontane (C36)	20.596	5940302	44.180 ug/ml
21) T	n-Octatriacontane (C38)	21.375	6168387	52.594 ug/ml
22) T	n-Tetracontane (C40)	22.365	6136109	56.614 ug/ml

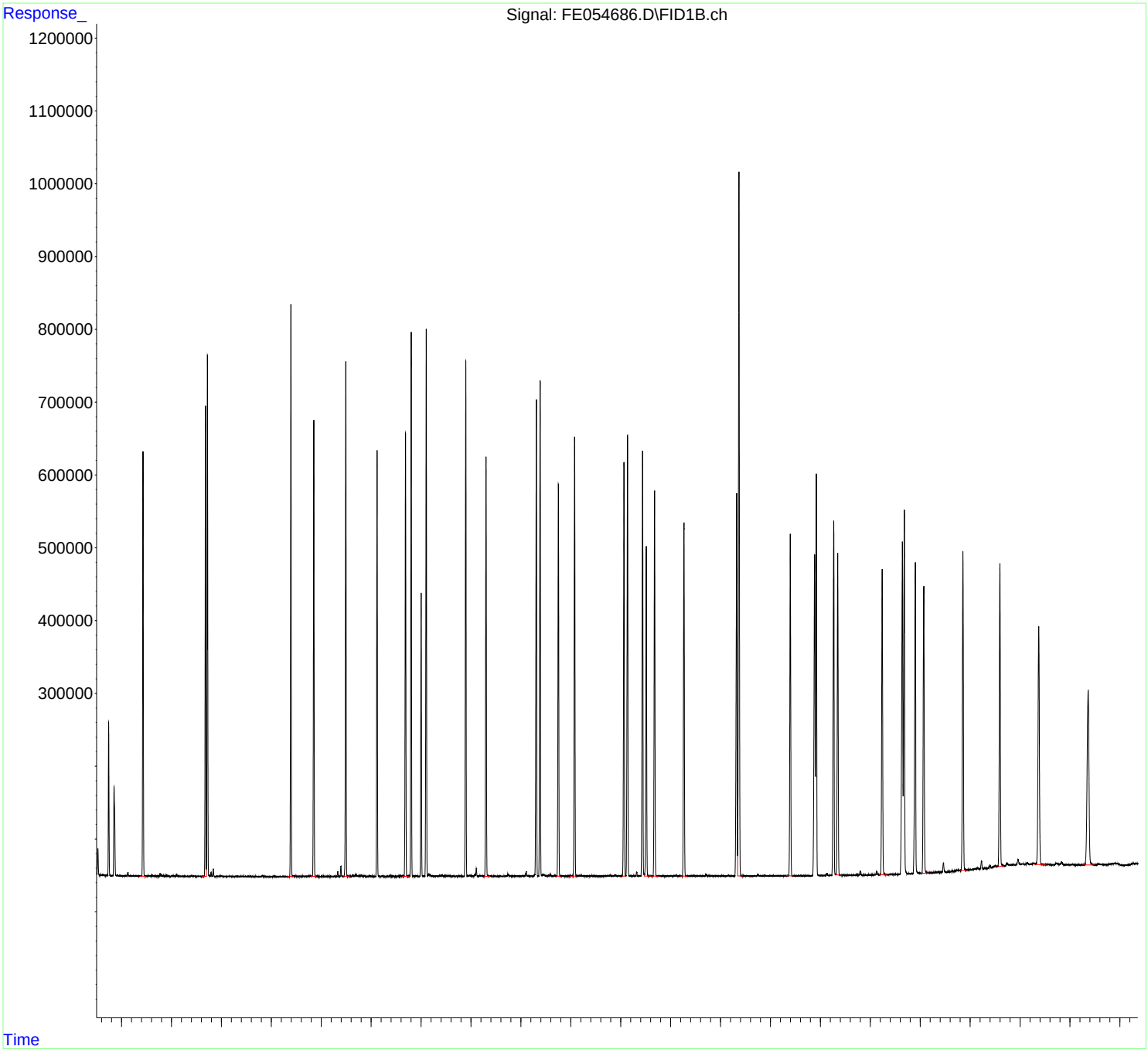
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070325AL\
Data File : FE054686.D
Signal(s) : FID1B.ch
Acq On : 03 Jul 2025 12:09
Operator : YP\AJ
Sample : PB168635BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
PB168635BS

Integration File: autoint1.e
Quant Time: Jul 04 03:00:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Fri Jun 27 15:19:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070325AL\
Data File : FE054686.D
Signal(s) : FID1B.ch
Acq On : 03 Jul 2025 12:09
Sample : PB168635BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.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	3.430	3.370	3.473	BB	583034	5534645	44.19%	2.307%
2	4.682	4.620	4.701	BV	646222	5972884	47.69%	2.489%
3	4.721	4.701	4.748	VV	715822	6799351	54.29%	2.834%
4	6.393	6.327	6.432	BV	786954	7350494	58.69%	3.063%
5	6.852	6.795	6.895	BB	626518	6199481	49.50%	2.584%
6	7.493	7.440	7.558	BB	709279	6869760	54.85%	2.863%
7	8.689	8.628	8.752	VB	611023	6242496	49.85%	2.602%
8	8.803	8.757	8.860	BV	749665	7332305	58.55%	3.056%
9	9.104	9.060	9.132	BV	753793	7312973	58.39%	3.048%
10	9.897	9.783	9.925	BV	709793	7332978	58.55%	3.056%
11	10.302	10.263	10.363	PV	576226	6304844	50.34%	2.628%
12	11.310	11.168	11.350	PV	651633	7116919	56.83%	2.966%
13	11.386	11.350	11.418	PV	676405	7075947	56.50%	2.949%
14	11.752	11.707	11.795	VB	537950	6243335	49.85%	2.602%
15	12.077	11.983	12.113	BV	603425	6576935	52.52%	2.741%
16	13.066	13.030	13.098	PV	566610	6366751	50.84%	2.653%
17	13.137	13.098	13.215	VB	605711	6874840	54.89%	2.865%
18	13.438	13.365	13.472	BV	584582	6898530	55.08%	2.875%
19	13.512	13.472	13.582	VB	449732	5225380	41.72%	2.178%
20	13.679	13.582	13.750	BB	527021	6091059	48.64%	2.539%
21	14.267	14.197	14.318	BB	479458	5995469	47.87%	2.499%
22	15.323	15.250	15.342	BV	525959	6643163	53.04%	2.769%
23	15.369	15.342	15.435	VB	963346	12523791	100.00%	5.220%
24	16.397	16.305	16.447	BB	467599	5761868	46.01%	2.401%
25	16.885	16.803	16.901	BV	440947	6535556	52.19%	2.724%

rteres

26	16.920	16.901	16.980	VB	553031	6495938	51.87%	2.707%
27	17.268	17.250	17.310	BV	385258	3205301	25.59%	1.336%
28	17.348	17.310	17.412	PV	440322	5656101	45.16%	2.357%
29	18.238	18.180	18.350	BB	419497	5765177	46.03%	2.403%
30	18.643	18.547	18.658	BV	457274	6831967	54.55%	2.847%
31	18.682	18.658	18.767	VV	497031	6470290	51.66%	2.697%
32	18.903	18.815	19.018	BV	427978	6227017	49.72%	2.595%
33	19.071	19.018	19.170	PB	386374	5789102	46.22%	2.413%
34	19.856	19.812	19.933	BB	436278	6074009	48.50%	2.531%
35	20.596	20.532	20.675	VV	416348	5940302	47.43%	2.476%
36	21.375	21.293	21.508	VB	327327	6168387	49.25%	2.571%
37	22.365	22.255	22.485	BB	240423	6136109	49.00%	2.557%

Sum of corrected areas: 239941454

Aliphatic EPH 062725.M Fri Jul 04 03:44:53 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070325AL\
Data File : FE054687.D
Signal(s) : FID1B.ch
Acq On : 03 Jul 2025 12:40
Operator : YP\AJ
Sample : PB168635BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
PB168635BSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 07/07/2025
Supervised By :mohammad ahmed 07/08/2025

Integration File: autoint1.e
Quant Time: Jul 04 03:00:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Fri Jun 27 15:19:13 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)	12.077	6596610	40.621 ug/ml
	Spiked Amount 50.000		Recovery =	81.24%
12)	S 1-chlorooctadecane (S...	13.512	5238795	41.481 ug/ml
	Spiked Amount 50.000		Recovery =	82.96%
	Target Compounds			
1)	T n-Nonane (C9)	3.430	5545518	41.228 ug/ml
2)	T n-Decane (C10)	4.682	5983972	43.855 ug/ml
3)	T A~Naphthalene (C11.7)	6.393	7389978	48.807 ug/ml
4)	T n-Dodecane (C12)	6.852	6210104	45.261 ug/ml
5)	T A~2-methylnaphthalene...	7.493	6903146	46.959 ug/ml
6)	T n-Tetradecane (C14)	8.689	6261317	45.167 ug/ml
7)	T n-Hexadecane (C16)	10.303	6335411	44.456 ug/ml
8)	T n-Octadecane (C18)	11.752	6270860	42.789 ug/ml
10)	T n-Eicosane (C20)	13.066	6377148	44.349 ug/ml
11)	T n-Heneicosane (C21)	13.679	6092808	42.657 ug/ml
13)	T n-Docosane (C22)	14.268	6008392	42.079 ug/ml
14)	T n-Tetracosane (C24)	15.370	12532177	86.212 ug/ml
15)	T n-Hexacosane (C26)	16.398	5758856	39.794 ug/ml
16)	T n-Octacosane (C28)	17.349	5639321	38.695 ug/ml
17)	T n-Tricontane (C30)	18.239	5707606	36.219 ug/ml
18)	T n-Dotriacontane (C32)	19.070	5683364	35.129 ug/ml
19)	T n-Tetratriacontane (C34)	19.856	5999560	39.369 ug/mlm
20)	T n-Hexatriacontane (C36)	20.598	5836197	43.406 ug/ml
21)	T n-Octatriacontane (C38)	21.374	6187638	52.758 ug/ml
22)	T n-Tetracontane (C40)	22.366	6111934	56.391 ug/ml

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

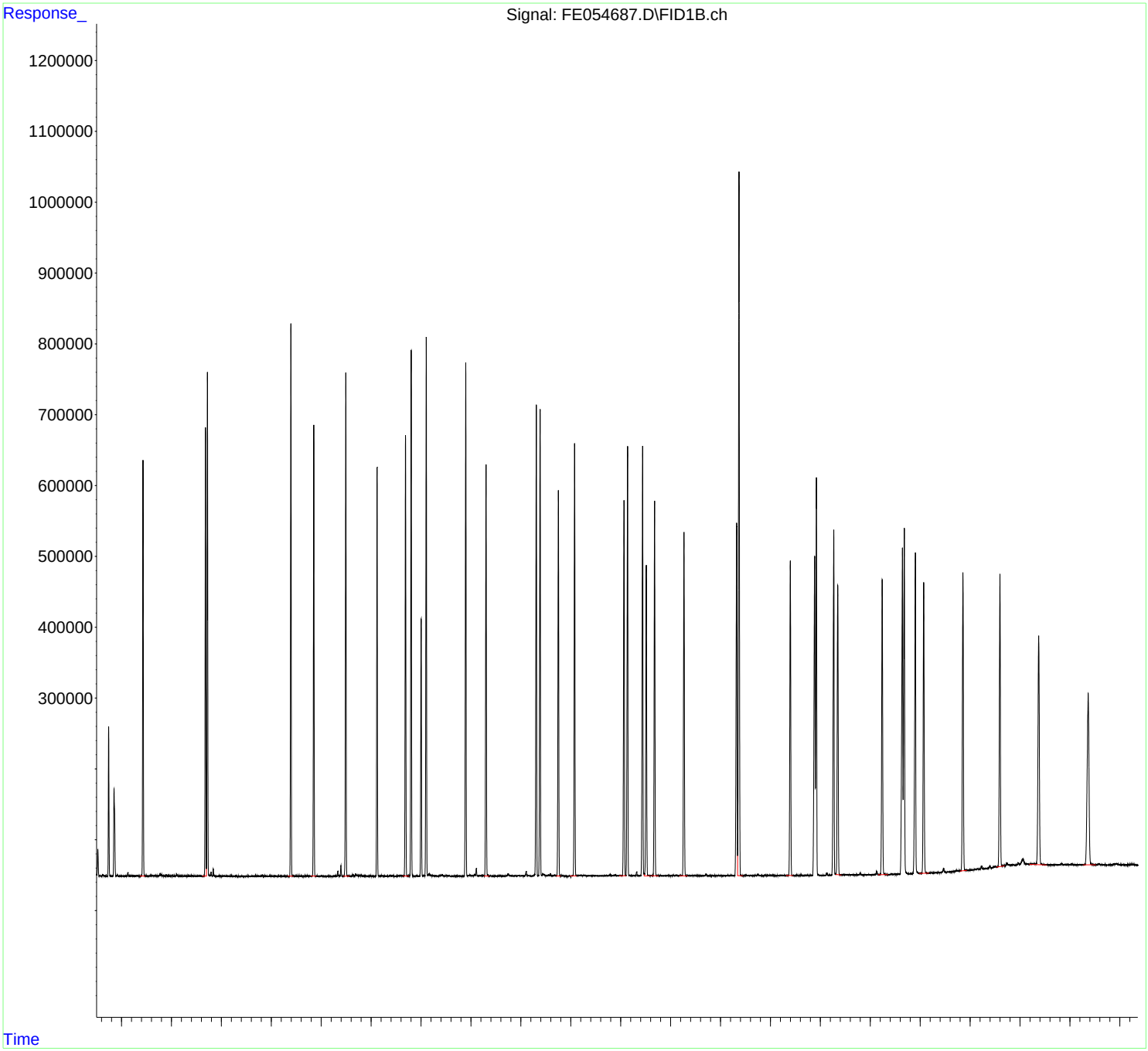
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070325AL\
Data File : FE054687.D
Signal(s) : FID1B.ch
Acq On : 03 Jul 2025 12:40
Operator : YP\AJ
Sample : PB168635BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 04 03:00:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Fri Jun 27 15:19:13 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 :
PB168635BSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 07/07/2025
Supervised By :mohammad ahmed 07/08/2025



5

Instrument :
FID_E
ClientSampleId :
PB168635BSD

rteres

Area Percent

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/07/2025
Supervised By :mohammad ahmed 07/08/2025

Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Da
Data File : FE054687.D
Signal(s) : FID1B.ch
Acq On : 03 Jul 2025 12:40
Sample : PB168635BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.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	3.430	3.369	3.472	BB	587139	5545518	44.25%	2.310%
2	4.682	4.620	4.701	BV	633779	5983972	47.75%	2.492%
3	4.721	4.701	4.750	VV	710421	6822667	54.44%	2.842%
4	6.393	6.332	6.428	BV	781691	7389978	58.97%	3.078%
5	6.852	6.794	6.902	BB	636235	6210104	49.55%	2.587%
6	7.493	7.440	7.557	BB	712846	6903146	55.08%	2.875%
7	8.689	8.637	8.747	BB	623564	6261317	49.96%	2.608%
8	8.803	8.750	8.890	BB	738345	7381431	58.90%	3.075%
9	9.105	9.062	9.132	BV	762643	7353766	58.68%	3.063%
10	9.896	9.787	9.925	BV	726609	7374123	58.84%	3.071%
11	10.303	10.264	10.367	BV	579655	6335411	50.55%	2.639%
12	11.309	11.199	11.345	BV	660276	7145477	57.02%	2.976%
13	11.386	11.345	11.417	PV	657214	7103844	56.68%	2.959%
14	11.752	11.705	11.795	VB	542987	6270860	50.04%	2.612%
15	12.077	11.985	12.108	BV	611464	6596610	52.64%	2.748%
16	13.066	12.972	13.099	BV	531136	6377148	50.89%	2.656%
17	13.138	13.099	13.167	PV	608392	6862258	54.76%	2.858%
18	13.439	13.365	13.470	BV	599049	6901941	55.07%	2.875%
19	13.512	13.470	13.580	VB	437575	5238795	41.80%	2.182%
20	13.679	13.609	13.742	BB	524701	6092808	48.62%	2.538%
21	14.268	14.175	14.337	BB	483139	6008392	47.94%	2.503%
22	15.323	15.250	15.342	BV	493678	6652754	53.09%	2.771%
23	15.370	15.342	15.437	VB	994996	12532177	100.00%	5.220%
24	16.398	16.317	16.442	BB	444837	5758856	45.95%	2.399%
25	16.885	16.800	16.900	BV	448456	6512322	51.96%	2.713%

Page 1

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Instrument :
FID_E
ClientSampleId :
PB168635BSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/07/2025
Supervised By :mohammad ahmed 07/08/2025

A B C D E F G H I J

rteres

26	16.921	16.900	16.985	VB	559878	6522551	52.05%	2.717%
27	17.268	17.250	17.310	BV	382974	3		
28	17.349	17.310	17.409	PB	408370	5		
29	18.239	18.159	18.342	PB	416902	5		
30	18.644	18.460	18.659	BV	460664	6		
31	18.681	18.659	18.770	VB	489959	6438024	51.37%	2.682%
32	18.903	18.804	18.981	BV	452171	6221568	49.64%	2.591%
33	19.070	18.981	19.165	VB	409660	5683364	45.35%	2.367%
34	19.857	19.580	19.934	BV	417976	6047587	48.26%	2.519%
35	20.598	20.532	20.677	PB	414173	5836197	46.57%	2.431%
36	21.374	21.187	21.522	BB	321434	6187638	49.37%	2.577%
37	22.366	22.264	22.517	BB	241787	6111934	48.77%	2.546%

Sum of corrected areas: 240083409

Aliphatic EPH 062725.M Fri Jul 04 03:25:44 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG062725AL\
Data File : FG016160.D
Signal(s) : FID1A.ch
Acq On : 27 Jun 2025 18:05
Operator : YP\AJ
Sample : Q2430-01MS
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
MH-E/FMS

Integration File: autoint1.e
Quant Time: Jun 28 04:32:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Quant Title : GC Extractables
QLast Update : Mon Jun 16 06:52:22 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)	12.092	4148176	32.150 ug/ml
	Spiked Amount 50.000		Recovery =	64.30%
12)	S 1-chlorooctadecane (S...	13.535	3392723	33.670 ug/ml
	Spiked Amount 50.000		Recovery =	67.34%
	Target Compounds			
1)	T n-Nonane (C9)	3.419	3126880	28.900 ug/ml
2)	T n-Decane (C10)	4.679	3463063	31.571 ug/ml
3)	T A~Naphthalene (C11.7)	6.393	4306662	36.045 ug/ml
4)	T n-Dodecane (C12)	6.856	3695928	33.566 ug/ml
5)	T A~2-methylnaphthalene...	7.495	4167889	35.835 ug/ml
6)	T n-Tetradecane (C14)	8.697	3951675	35.984 ug/ml
7)	T n-Hexadecane (C16)	10.315	4440678	39.011 ug/ml
8)	T n-Octadecane (C18)	11.769	4682036	40.218 ug/ml
10)	T n-Eicosane (C20)	13.089	4930098	43.318 ug/ml
11)	T n-Heneicosane (C21)	13.704	4770343	42.136 ug/ml
13)	T n-Docosane (C22)	14.295	4765548	41.920 ug/ml
14)	T n-Tetracosane (C24)	15.395	10285150	89.195 ug/ml
15)	T n-Hexacosane (C26)	16.433	4723712	41.048 ug/ml
16)	T n-Octacosane (C28)	17.388	4614093	40.656 ug/ml
17)	T n-Tricontane (C30)	18.281	4555931	39.793 ug/ml
18)	T n-Dotriacontane (C32)	19.117	4405116	40.403 ug/ml
19)	T n-Tetratriacontane (C34)	19.903	4444651	44.925 ug/ml
20)	T n-Hexatriacontane (C36)	20.647	4128289	48.637 ug/ml
21)	T n-Octatriacontane (C38)	21.435	4003793	53.036 ug/ml
22)	T n-Tetracontane (C40)	22.437	3802701	54.993 ug/ml

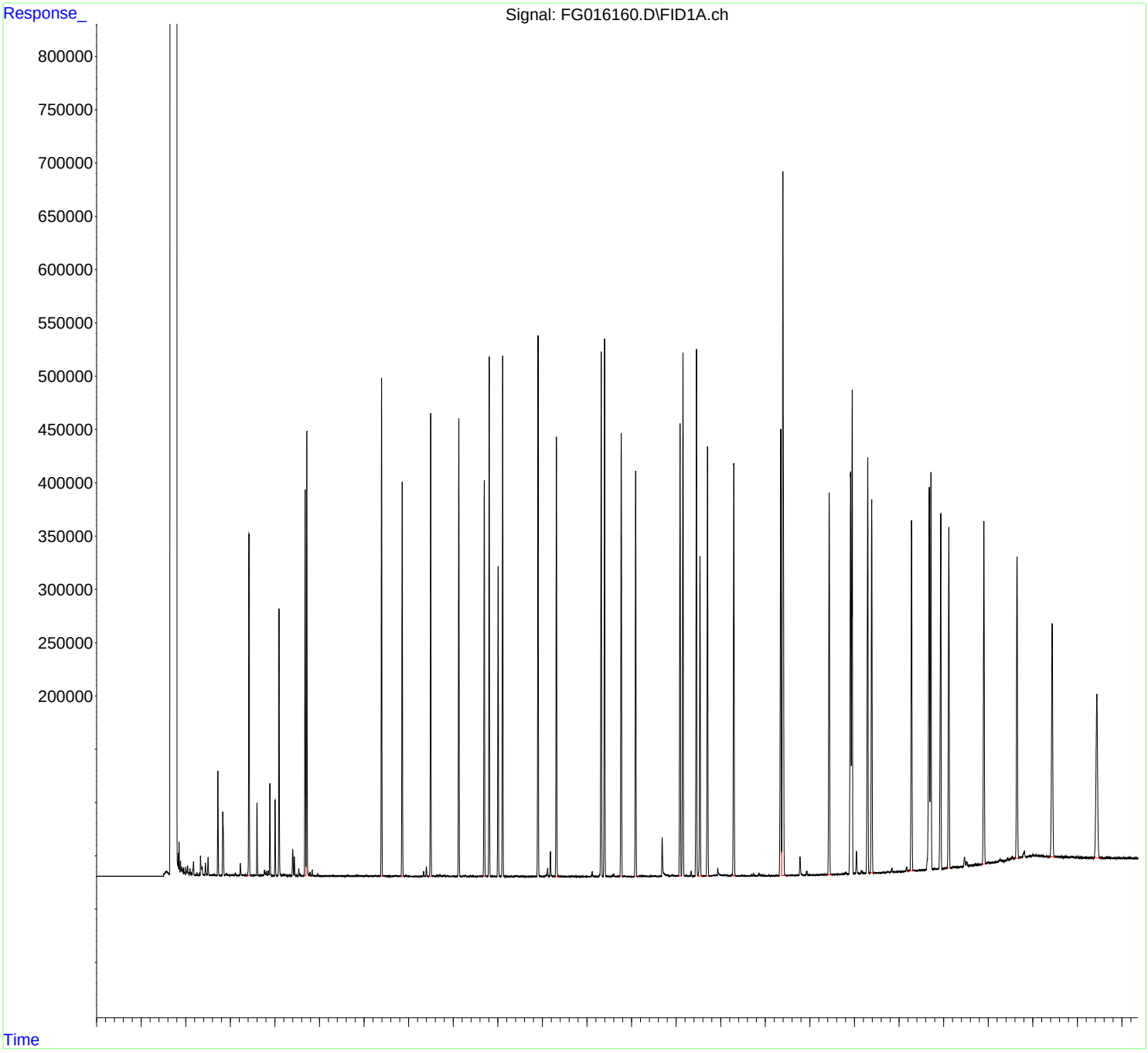
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG062725AL\
Data File : FG016160.D
Signal(s) : FID1A.ch
Acq On : 27 Jun 2025 18:05
Operator : YP\AJ
Sample : Q2430-01MS
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
MH-E/FMS

Integration File: autoint1.e
Quant Time: Jun 28 04:32:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Quant Title : GC Extractables
QLast Update : Mon Jun 16 06:52:22 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG062725AL\
Data File : FG016160.D
Signal(s) : FID1A.ch
Acq On : 27 Jun 2025 18:05
Sample : Q2430-01MS
Misc :
ALS Vial : 30 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.279	3.238	3.296	BV	-788	-21448	-0.21%	-0.011%
2	3.315	3.296	3.349	PV	551	5475	0.05%	0.003%
3	3.364	3.349	3.377	PV	85	1033	0.01%	0.001%
4	3.419	3.377	3.491	PV	319443	3134948	30.45%	1.638%
5	3.522	3.491	3.541	VV	286	6369	0.06%	0.003%
6	3.561	3.541	3.574	VV	500	6565	0.06%	0.003%
7	3.599	3.574	3.658	VV	68016	627211	6.09%	0.328%
8	3.665	3.658	3.684	VV	213	2225	0.02%	0.001%
9	3.705	3.684	3.724	VV	499	7069	0.07%	0.004%
10	3.763	3.724	3.794	VV	5140	72339	0.70%	0.038%
11	3.810	3.794	3.828	VV	4187	43490	0.42%	0.023%
12	3.854	3.828	3.868	VV	4636	58192	0.57%	0.030%
13	3.888	3.868	3.948	VV	86309	781628	7.59%	0.408%
14	3.952	3.948	3.961	VV	64	345	0.00%	0.000%
15	4.005	3.961	4.055	VV	70853	639912	6.21%	0.334%
16	4.092	4.055	4.170	VV	249790	2282186	22.16%	1.192%
17	4.197	4.170	4.242	VV	1259	27048	0.26%	0.014%
18	4.252	4.242	4.279	VV	358	5200	0.05%	0.003%
19	4.297	4.279	4.309	VV	182	2353	0.02%	0.001%
20	4.324	4.309	4.365	VV	258	5943	0.06%	0.003%
21	4.400	4.365	4.421	VV	24423	280728	2.73%	0.147%
22	4.436	4.421	4.503	VV	17821	170194	1.65%	0.089%
23	4.536	4.503	4.552	VV	6928	63139	0.61%	0.033%
24	4.561	4.552	4.631	VV	1859	19380	0.19%	0.010%
25	4.678	4.631	4.697	VV	360607	3468369	33.68%	1.812%

rteres

26	4.716	4.697	4.769	VV	415580	3920807	38.08%	2.048%
27	4.790	4.769	4.814	VV	3296	36327	0.35%	0.019%
28	4.835	4.814	4.895	VV	5507	54454	0.53%	0.028%
29	4.901	4.895	4.936	VV	126	1813	0.02%	0.001%
30	4.957	4.936	4.978	VV	1423	13812	0.13%	0.007%
31	4.991	4.978	5.021	VV	172	2033	0.02%	0.001%
32	5.048	5.021	5.080	VV	164	2217	0.02%	0.001%
33	5.093	5.080	5.116	VV	136	1817	0.02%	0.001%
34	5.135	5.116	5.161	VV	77	1418	0.01%	0.001%
35	5.184	5.161	5.251	PV	100	2787	0.03%	0.001%
36	5.308	5.251	5.326	VV	788	8991	0.09%	0.005%
37	5.342	5.326	5.373	VV	307	4904	0.05%	0.003%
38	5.397	5.373	5.421	VV	245	3283	0.03%	0.002%
39	5.435	5.421	5.457	VV	92	1012	0.01%	0.001%
40	5.503	5.457	5.557	VV	155	4264	0.04%	0.002%
41	5.580	5.557	5.604	VV	155	2783	0.03%	0.001%
42	5.624	5.604	5.655	VV	1058	11352	0.11%	0.006%
43	5.676	5.655	5.735	VV	131	3255	0.03%	0.002%
44	5.768	5.735	5.794	VV	154	2464	0.02%	0.001%
45	5.819	5.794	5.838	PV	1056	11077	0.11%	0.006%
46	5.856	5.838	5.900	VV	1149	12684	0.12%	0.007%
47	5.927	5.900	5.994	VV	422	7964	0.08%	0.004%
48	6.010	5.994	6.028	VV	111	1594	0.02%	0.001%
49	6.055	6.028	6.115	VV	838	12615	0.12%	0.007%
50	6.118	6.115	6.135	VV	93	680	0.01%	0.000%
51	6.141	6.135	6.187	VV	86	1970	0.02%	0.001%
52	6.199	6.187	6.225	VV	113	1615	0.02%	0.001%
53	6.238	6.225	6.268	VV	488	5955	0.06%	0.003%
54	6.282	6.268	6.311	VV	150	2459	0.02%	0.001%
55	6.329	6.311	6.346	PV	220	2233	0.02%	0.001%
56	6.393	6.346	6.430	VV	461321	4313749	41.90%	2.253%
57	6.445	6.430	6.479	VV	424	6522	0.06%	0.003%
58	6.499	6.479	6.540	VV	306	6895	0.07%	0.004%
59	6.564	6.540	6.607	VV	335	7004	0.07%	0.004%
60	6.650	6.607	6.668	VV	156	4371	0.04%	0.002%
61	6.694	6.668	6.704	VV	558	6993	0.07%	0.004%
62	6.716	6.704	6.735	VV	812	9027	0.09%	0.005%
63	6.744	6.735	6.765	VV	274	3011	0.03%	0.002%
64	6.783	6.765	6.818	VV	156	2889	0.03%	0.002%
65	6.856	6.818	6.896	VV	369040	3700129	35.94%	1.933%
66	6.932	6.896	6.981	VV	1069	15160	0.15%	0.008%
67	7.008	6.981	7.075	VV	227	4894	0.05%	0.003%
68	7.083	7.075	7.094	VV	112	706	0.01%	0.000%
69	7.105	7.094	7.118	VV	123	866	0.01%	0.000%

rteres

70	7.146	7.118	7.166	VV	218	3226	0.03%	0.002%
71	7.183	7.166	7.218	VV	132	2473	0.02%	0.001%
72	7.225	7.218	7.249	VV	88	1213	0.01%	0.001%
73	7.277	7.249	7.311	VV	294	4328	0.04%	0.002%
74	7.336	7.311	7.372	PV	4475	42783	0.42%	0.022%
75	7.398	7.372	7.441	VV	8843	88052	0.86%	0.046%
76	7.495	7.441	7.525	VV	433627	4173637	40.53%	2.180%
77	7.542	7.525	7.615	VV	558	12253	0.12%	0.006%
78	7.634	7.615	7.670	VV	1570	22730	0.22%	0.012%
79	7.694	7.670	7.709	VV	1726	22293	0.22%	0.012%
80	7.719	7.709	7.747	VV	911	11306	0.11%	0.006%
81	7.771	7.747	7.787	VV	750	9562	0.09%	0.005%
82	7.806	7.787	7.827	VV	1119	12522	0.12%	0.007%
83	7.869	7.827	7.888	VV	349	8275	0.08%	0.004%
84	7.898	7.888	7.914	VV	305	3036	0.03%	0.002%
85	7.929	7.914	7.945	VV	192	2408	0.02%	0.001%
86	7.985	7.945	8.015	VV	514	8244	0.08%	0.004%
87	8.033	8.015	8.072	VV	231	4731	0.05%	0.002%
88	8.238	8.198	8.252	VV	569	10846	0.11%	0.006%
89	8.270	8.252	8.295	VV	1053	12645	0.12%	0.007%
90	8.308	8.295	8.361	VV	201	5121	0.05%	0.003%
91	8.385	8.361	8.414	VV	980	12541	0.12%	0.007%
92	8.443	8.414	8.501	VV	609	11200	0.11%	0.006%
93	8.522	8.501	8.530	VV	136	1402	0.01%	0.001%
94	8.555	8.530	8.566	VV	237	3287	0.03%	0.002%
95	8.596	8.566	8.629	VV	304	8768	0.09%	0.005%
96	8.697	8.629	8.741	VV	373052	3966443	38.52%	2.072%
97	8.755	8.741	8.768	VV	342	3873	0.04%	0.002%
98	8.807	8.768	8.861	VV	489884	4701408	45.66%	2.456%
99	8.879	8.861	8.899	VV	394	5667	0.06%	0.003%
100	8.927	8.899	8.951	VV	317	5622	0.05%	0.003%
101	9.109	9.074	9.152	VV	482495	4797594	46.59%	2.506%
102	9.169	9.152	9.195	VV	518	7546	0.07%	0.004%
103	9.200	9.195	9.218	VV	215	2249	0.02%	0.001%
104	9.234	9.218	9.258	VV	242	3542	0.03%	0.002%
105	9.319	9.258	9.347	VV	300	7693	0.07%	0.004%
106	9.382	9.347	9.400	VV	898	10991	0.11%	0.006%
107	9.423	9.400	9.460	VV	717	14900	0.14%	0.008%
108	9.473	9.460	9.495	VV	261	2801	0.03%	0.001%
109	9.526	9.495	9.555	VV	670	8327	0.08%	0.004%
110	9.575	9.555	9.638	VV	153	3720	0.04%	0.002%
111	9.647	9.638	9.695	PV	121	1716	0.02%	0.001%
112	9.716	9.695	9.741	VV	164	3109	0.03%	0.002%

rteres

113	9.767	9.741	9.814	VV	149	4522	0.04%	0.002%
114	9.827	9.814	9.844	VV	201	2579	0.03%	0.001%
115	9.858	9.844	9.867	VV	257	2565	0.02%	0.001%
116	9.903	9.867	9.933	VV	503982	5107036	49.60%	2.668%
117	9.949	9.933	9.980	VV	500	8809	0.09%	0.005%
118	9.995	9.980	10.020	VV	247	4713	0.05%	0.002%
119	10.052	10.020	10.065	VV	472	8391	0.08%	0.004%
120	10.089	10.065	10.097	VV	1517	22011	0.21%	0.011%
121	10.116	10.097	10.139	VV	7477	80057	0.78%	0.042%
122	10.180	10.139	10.229	VV	23267	252378	2.45%	0.132%
123	10.247	10.229	10.270	VV	528	6931	0.07%	0.004%
124	10.315	10.270	10.378	VV	410763	4442166	43.14%	2.320%
125	10.400	10.378	10.443	VV	461	7696	0.07%	0.004%
126	10.453	10.443	10.485	VV	90	1536	0.01%	0.001%
127	10.512	10.485	10.528	VV	78	1228	0.01%	0.001%
128	10.536	10.528	10.573	VV	107	2022	0.02%	0.001%
129	10.593	10.573	10.626	VV	445	4603	0.04%	0.002%
130	10.658	10.626	10.688	VV	866	10154	0.10%	0.005%
131	10.700	10.688	10.718	VV	145	1429	0.01%	0.001%
132	10.735	10.718	10.745	VV	227	2524	0.02%	0.001%
133	10.753	10.745	10.806	VV	202	3783	0.04%	0.002%
134	10.830	10.806	10.857	PV	116	2100	0.02%	0.001%
135	10.880	10.857	10.892	VV	102	1489	0.01%	0.001%
136	10.956	10.892	10.998	VV	299	8986	0.09%	0.005%
137	11.012	10.998	11.037	VV	340	4839	0.05%	0.003%
138	11.049	11.037	11.078	VV	230	3624	0.04%	0.002%
139	11.116	11.078	11.142	VV	4665	58251	0.57%	0.030%
140	11.159	11.142	11.185	VV	403	6311	0.06%	0.003%
141	11.195	11.185	11.228	VV	117	1676	0.02%	0.001%
142	11.320	11.228	11.357	PV	497187	5409110	52.53%	2.826%
143	11.396	11.357	11.451	VV	504800	5424792	52.69%	2.834%
144	11.469	11.451	11.501	VV	708	9705	0.09%	0.005%
145	11.510	11.501	11.540	VV	131	2530	0.02%	0.001%
146	11.568	11.540	11.582	VV	1109	13691	0.13%	0.007%
147	11.599	11.582	11.641	VV	2468	27421	0.27%	0.014%
148	11.654	11.641	11.676	VV	131	2094	0.02%	0.001%
149	11.696	11.676	11.718	VV	324	4443	0.04%	0.002%
150	11.769	11.718	11.805	VV	413490	4690454	45.55%	2.450%
151	11.823	11.805	11.909	VV	337	10564	0.10%	0.006%
152	11.930	11.909	11.948	VV	172	2725	0.03%	0.001%
153	11.964	11.948	12.015	VV	192	3221	0.03%	0.002%
154	12.092	12.015	12.141	PV	378676	4153242	40.34%	2.170%
155	12.186	12.141	12.202	VV	473	9090	0.09%	0.005%

rteres

156	12.220	12.202	12.242	VV	894	12332	0.12%	0.006%
157	12.270	12.242	12.288	VV	448	10582	0.10%	0.006%
158	12.300	12.288	12.341	VV	387	6566	0.06%	0.003%
159	12.373	12.341	12.405	VV	237	4874	0.05%	0.003%
160	12.438	12.405	12.462	VV	346	7183	0.07%	0.004%
161	12.493	12.462	12.515	VV	327	7472	0.07%	0.004%
162	12.533	12.515	12.581	VV	375	6425	0.06%	0.003%
163	12.688	12.581	12.798	VV	36017	512898	4.98%	0.268%
164	12.804	12.798	12.843	VV	991	21291	0.21%	0.011%
165	12.908	12.843	12.941	VV	1516	46931	0.46%	0.025%
166	12.960	12.941	12.991	VV	872	16166	0.16%	0.008%
167	13.026	12.991	13.048	VV	591	14352	0.14%	0.007%
168	13.088	13.048	13.118	VV	425782	4945501	48.03%	2.583%
169	13.154	13.118	13.210	VV	490219	5539055	53.80%	2.893%
170	13.229	13.210	13.295	VV	1006	20641	0.20%	0.011%
171	13.336	13.295	13.370	VV	4661	55808	0.54%	0.029%
172	13.383	13.370	13.401	VV	161	2300	0.02%	0.001%
173	13.456	13.401	13.483	VV	489697	5544549	53.85%	2.896%
174	13.535	13.483	13.604	VV	298169	3405538	33.07%	1.779%
175	13.645	13.604	13.664	VV	379	9368	0.09%	0.005%
176	13.704	13.664	13.740	VV	404012	4778700	46.41%	2.496%
177	13.747	13.740	13.763	VV	222	2774	0.03%	0.001%
178	13.897	13.763	13.916	VV	1206	61060	0.59%	0.032%
179	13.934	13.916	14.022	VV	6892	135452	1.32%	0.071%
180	14.030	14.022	14.068	VV	776	19645	0.19%	0.010%
181	14.082	14.068	14.113	VV	1003	19831	0.19%	0.010%
182	14.133	14.113	14.191	VV	1112	28614	0.28%	0.015%
183	14.244	14.191	14.257	VV	1387	26991	0.26%	0.014%
184	14.294	14.257	14.374	VV	389043	4784063	46.46%	2.499%
185	14.389	14.374	14.408	VV	181	3358	0.03%	0.002%
186	14.427	14.408	14.444	VV	253	4311	0.04%	0.002%
187	14.466	14.444	14.505	VV	943	15270	0.15%	0.008%
188	14.526	14.505	14.548	VV	304	5400	0.05%	0.003%
189	14.554	14.548	14.575	VV	136	1929	0.02%	0.001%
190	14.580	14.575	14.617	VV	118	2566	0.02%	0.001%
191	14.628	14.617	14.642	VV	189	2101	0.02%	0.001%
192	14.685	14.642	14.711	VV	800	14308	0.14%	0.007%
193	14.733	14.711	14.821	VV	2238	34772	0.34%	0.018%
194	14.860	14.821	14.894	VV	2313	38804	0.38%	0.020%
195	14.918	14.894	14.943	VV	1070	15717	0.15%	0.008%
196	14.963	14.943	14.998	VV	327	7249	0.07%	0.004%
197	15.018	14.998	15.041	VV	197	3355	0.03%	0.002%
198	15.081	15.041	15.111	PV	715	11333	0.11%	0.006%
199	15.136	15.111	15.145	VV	118	1828	0.02%	0.001%

rteres

200	15.152	15.145	15.162	VV	97	715	0.01%	0.000%
201	15.172	15.162	15.180	VV	62	531	0.01%	0.000%
202	15.207	15.180	15.228	VV	228	3587	0.03%	0.002%
203	15.243	15.228	15.301	VV	430	8192	0.08%	0.004%
204	15.347	15.301	15.367	VV	414909	5517347	53.58%	2.882%
205	15.395	15.367	15.525	VV	661193	10296551	100.00%	5.379%
206	15.575	15.525	15.598	VV	346	6651	0.06%	0.003%
207	15.603	15.598	15.657	VV	171	3081	0.03%	0.002%
208	15.699	15.657	15.719	PV	182	3188	0.03%	0.002%
209	15.779	15.719	15.890	VV	17363	261855	2.54%	0.137%
210	15.925	15.890	15.968	VV	3697	52388	0.51%	0.027%
211	16.005	15.968	16.035	VV	433	10214	0.10%	0.005%
212	16.052	16.035	16.106	VV	344	6323	0.06%	0.003%
213	16.148	16.106	16.217	PV	435	10065	0.10%	0.005%
214	16.256	16.217	16.275	VV	448	7559	0.07%	0.004%
215	16.303	16.275	16.335	VV	661	11498	0.11%	0.006%
216	16.434	16.335	16.478	VV	355314	4734311	45.98%	2.473%
217	16.496	16.478	16.511	VV	149	2117	0.02%	0.001%
218	16.525	16.511	16.554	VV	98	1347	0.01%	0.001%
219	16.579	16.554	16.587	PV	96	1047	0.01%	0.001%
220	16.636	16.587	16.668	PV	604	10330	0.10%	0.005%
221	16.741	16.668	16.758	VV	282	6668	0.06%	0.003%
222	16.799	16.758	16.845	VV	1716	30753	0.30%	0.016%
223	16.914	16.845	16.930	VV	378916	5408751	52.53%	2.825%
224	16.950	16.930	16.979	VV	444582	5264851	51.13%	2.750%
225	17.045	16.979	17.128	VV	20682	281510	2.73%	0.147%
226	17.159	17.128	17.202	VV	2956	45331	0.44%	0.024%
227	17.222	17.202	17.248	VV	367	5654	0.05%	0.003%
228	17.298	17.248	17.329	VV	386494	5110065	49.63%	2.669%
229	17.387	17.329	17.424	VV	350507	4636864	45.03%	2.422%
230	17.438	17.424	17.525	VV	610	11902	0.12%	0.006%
231	17.672	17.525	17.700	PV	210	8078	0.08%	0.004%
232	17.748	17.700	17.797	PV	775	16178	0.16%	0.008%
233	17.838	17.797	17.901	VV	3677	54304	0.53%	0.028%
234	17.924	17.901	17.938	PV	204	2711	0.03%	0.001%
235	17.956	17.938	17.969	VV	143	1972	0.02%	0.001%
236	18.006	17.969	18.054	VV	336	8525	0.08%	0.004%
237	18.066	18.054	18.085	PV	138	1406	0.01%	0.001%
238	18.169	18.085	18.215	PV	3753	63603	0.62%	0.033%
239	18.281	18.215	18.318	VV	327273	4571022	44.39%	2.388%
240	18.330	18.318	18.345	VV	429	5309	0.05%	0.003%
241	18.367	18.345	18.391	VV	488	7871	0.08%	0.004%
242	18.452	18.391	18.501	VV	597	14188	0.14%	0.007%

rteres

243	18.523	18.501	18.531	PV	186	1799	0.02%	0.001%
244	18.557	18.531	18.568	VV	186	3084	0.03%	0.002%
245	18.677	18.568	18.693	VV	361868	5365326	52.11%	2.803%
246	18.716	18.693	18.770	VV	365466	4917308	47.76%	2.569%
247	18.794	18.770	18.816	VV	1028	15659	0.15%	0.008%
248	18.829	18.816	18.871	VV	397	7753	0.08%	0.004%
249	18.936	18.871	18.986	VV	331070	4686393	45.51%	2.448%
250	19.058	18.986	19.070	VV	690	23898	0.23%	0.012%
251	19.117	19.070	19.167	VV	322795	4435193	43.07%	2.317%
252	19.230	19.167	19.257	VV	1501	51380	0.50%	0.027%
253	19.277	19.257	19.314	VV	974	26067	0.25%	0.014%
254	19.392	19.314	19.424	VV	1115	52437	0.51%	0.027%
255	19.468	19.424	19.496	VV	9505	187734	1.82%	0.098%
256	19.516	19.496	19.558	VV	4963	109690	1.07%	0.057%
257	19.637	19.558	19.654	VV	1551	83846	0.81%	0.044%
258	19.715	19.654	19.737	VV	2753	92489	0.90%	0.048%
259	19.903	19.737	19.944	VV	318778	4682297	45.47%	2.446%
260	20.005	19.944	20.038	VV	3570	165378	1.61%	0.086%
261	20.061	20.038	20.085	VV	3052	79225	0.77%	0.041%
262	20.182	20.085	20.221	VV	3349	248930	2.42%	0.130%
263	20.248	20.221	20.260	VV	4755	97225	0.94%	0.051%
264	20.275	20.260	20.301	VV	5195	107835	1.05%	0.056%
265	20.326	20.301	20.346	VV	3942	103877	1.01%	0.054%
266	20.433	20.346	20.456	VV	6337	289073	2.81%	0.151%
267	20.540	20.456	20.581	VV	6766	404657	3.93%	0.211%
268	20.647	20.581	20.687	VV	289118	4473634	43.45%	2.337%
269	20.811	20.687	20.849	VV	11457	705257	6.85%	0.368%
270	20.934	20.849	20.946	VV	6456	368013	3.57%	0.192%
271	21.014	20.946	21.045	VV	7496	404254	3.93%	0.211%
272	21.071	21.045	21.115	VV	6940	276751	2.69%	0.145%
273	21.125	21.115	21.185	VV	6425	262762	2.55%	0.137%
274	21.198	21.185	21.305	VV	6093	399937	3.88%	0.209%
275	21.334	21.305	21.371	VV	5282	202451	1.97%	0.106%
276	21.435	21.371	21.508	VV	222162	4379604	42.53%	2.288%
277	21.534	21.508	21.588	VV	4557	205833	2.00%	0.108%
278	21.604	21.588	21.727	VV	3977	304097	2.95%	0.159%
279	21.763	21.727	21.828	VV	3421	197411	1.92%	0.103%
280	21.865	21.828	21.951	VV	3512	227872	2.21%	0.119%
281	21.960	21.951	22.005	VV	2477	76367	0.74%	0.040%
282	22.021	22.005	22.075	VV	2220	87178	0.85%	0.046%
283	22.105	22.075	22.161	VV	1918	92884	0.90%	0.049%
284	22.188	22.161	22.261	VV	1744	92477	0.90%	0.048%
285	22.278	22.261	22.345	VV	1352	57282	0.56%	0.030%

rteres

286	22.353	22.345	22.357	VV	915	6476	0.06%	0.003%
287	22.437	22.357	22.539	VV	153655	3865016	37.54%	2.019%
288	22.547	22.539	22.588	VV	311	5329	0.05%	0.003%

Sum of corrected areas: 191431436

Aliphatic EPH 061325.M Sat Jun 28 06:35:35 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG062725AL\
Data File : FG016161.D
Signal(s) : FID1A.ch
Acq On : 27 Jun 2025 18:35
Operator : YP\AJ
Sample : Q2430-01MSD
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
MH-E/FMSD

Integration File: autoint1.e
Quant Time: Jun 28 04:32:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Quant Title : GC Extractables
QLast Update : Mon Jun 16 06:52:22 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)	12.092	4059736	31.465 ug/ml
Spiked Amount	50.000		Recovery =	62.93%
12) S	1-chlorooctadecane (S...	13.536	3319291	32.941 ug/ml
Spiked Amount	50.000		Recovery =	65.88%
	Target Compounds			
1) T	n-Nonane (C9)	3.419	3054405	28.230 ug/ml
2) T	n-Decane (C10)	4.678	3383398	30.844 ug/ml
3) T	A~Naphthalene (C11.7)	6.393	4203618	35.182 ug/ml
4) T	n-Dodecane (C12)	6.856	3608154	32.768 ug/ml
5) T	A~2-methylnaphthalene...	7.495	4070110	34.994 ug/ml
6) T	n-Tetradecane (C14)	8.697	3856326	35.115 ug/ml
7) T	n-Hexadecane (C16)	10.315	4336700	38.098 ug/ml
8) T	n-Octadecane (C18)	11.769	4581506	39.355 ug/ml
10) T	n-Eicosane (C20)	13.089	4825392	42.398 ug/ml
11) T	n-Heneicosane (C21)	13.704	4669395	41.244 ug/ml
13) T	n-Docosane (C22)	14.295	4666068	41.045 ug/ml
14) T	n-Tetracosane (C24)	15.395	10085958	87.467 ug/ml
15) T	n-Hexacosane (C26)	16.434	4625995	40.199 ug/ml
16) T	n-Octacosane (C28)	17.387	4523940	39.862 ug/ml
17) T	n-Tricontane (C30)	18.281	4472075	39.061 ug/ml
18) T	n-Dotriacontane (C32)	19.116	4324519	39.664 ug/ml
19) T	n-Tetratriacontane (C34)	19.904	4368605	44.157 ug/ml
20) T	n-Hexatriacontane (C36)	20.647	4056669	47.793 ug/ml
21) T	n-Octatriacontane (C38)	21.436	3946023	52.271 ug/ml
22) T	n-Tetracontane (C40)	22.437	3744289	54.148 ug/ml

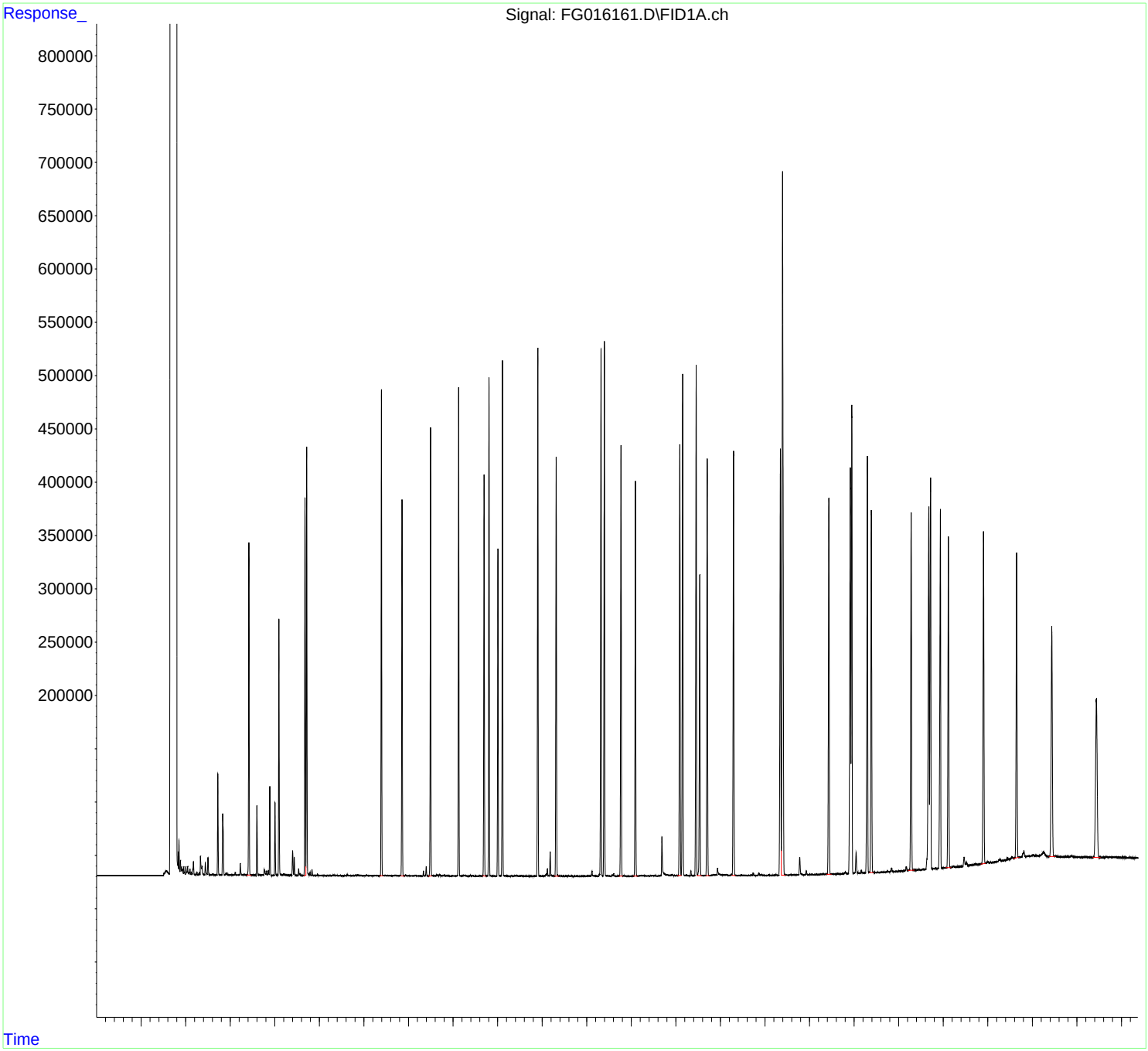
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG062725AL\
Data File : FG016161.D
Signal(s) : FID1A.ch
Acq On : 27 Jun 2025 18:35
Operator : YP\AJ
Sample : Q2430-01MSD
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
MH-E/FMSD

Integration File: autoint1.e
Quant Time: Jun 28 04:32:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Quant Title : GC Extractables
QLast Update : Mon Jun 16 06:52:22 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG062725AL\
Data File : FG016161.D
Signal(s) : FID1A.ch
Acq On : 27 Jun 2025 18:35
Sample : Q2430-01MSD
Misc :
ALS Vial : 31 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.279	3.222	3.298	BV	-1718	-84048	-0.83%	-0.045%
2	3.315	3.298	3.342	PV	462	4706	0.05%	0.003%
3	3.365	3.342	3.377	PV	145	1189	0.01%	0.001%
4	3.419	3.377	3.483	PV	311695	3061825	30.34%	1.636%
5	3.498	3.483	3.512	VV	261	2666	0.03%	0.001%
6	3.521	3.512	3.541	VV	263	3665	0.04%	0.002%
7	3.560	3.541	3.578	VV	566	8244	0.08%	0.004%
8	3.599	3.578	3.652	VV	65119	600090	5.95%	0.321%
9	3.664	3.652	3.685	VV	227	2833	0.03%	0.002%
10	3.706	3.685	3.728	VV	508	7386	0.07%	0.004%
11	3.735	3.728	3.742	VV	257	1662	0.02%	0.001%
12	3.763	3.742	3.795	VV	4772	75950	0.75%	0.041%
13	3.811	3.795	3.828	VV	3964	41510	0.41%	0.022%
14	3.855	3.828	3.868	VV	4373	55867	0.55%	0.030%
15	3.888	3.868	3.939	VV	83096	753478	7.47%	0.403%
16	3.950	3.939	3.977	PV	52	872	0.01%	0.000%
17	4.005	3.977	4.058	VV	67867	611884	6.06%	0.327%
18	4.092	4.058	4.172	VV	238968	2176122	21.56%	1.163%
19	4.197	4.172	4.243	VV	1235	26628	0.26%	0.014%
20	4.252	4.243	4.278	VV	401	5710	0.06%	0.003%
21	4.287	4.278	4.301	VV	236	2537	0.03%	0.001%
22	4.328	4.301	4.365	VV	282	8393	0.08%	0.004%
23	4.401	4.365	4.421	VV	22792	265444	2.63%	0.142%
24	4.436	4.421	4.508	VV	16986	161900	1.60%	0.087%
25	4.535	4.508	4.552	VV	6470	59279	0.59%	0.032%

rteres

26	4.561	4.552	4.645	VV	1765	19699	0.20%	0.011%
27	4.678	4.645	4.697	VV	352769	3386224	33.56%	1.809%
28	4.716	4.697	4.770	VV	400571	3829026	37.94%	2.046%
29	4.790	4.770	4.813	VV	3193	33937	0.34%	0.018%
30	4.835	4.813	4.882	VV	5372	54181	0.54%	0.029%
31	4.896	4.882	4.915	VV	128	2079	0.02%	0.001%
32	4.922	4.915	4.932	VV	115	850	0.01%	0.000%
33	4.957	4.932	4.980	VV	1430	13711	0.14%	0.007%
34	4.993	4.980	5.015	VV	159	2162	0.02%	0.001%
35	5.041	5.015	5.066	VV	200	3116	0.03%	0.002%
36	5.075	5.066	5.082	VV	73	556	0.01%	0.000%
37	5.090	5.082	5.112	VV	115	1327	0.01%	0.001%
38	5.138	5.112	5.168	VV	121	2492	0.02%	0.001%
39	5.192	5.168	5.215	VV	135	2474	0.02%	0.001%
40	5.231	5.215	5.248	VV	99	1515	0.02%	0.001%
41	5.263	5.248	5.292	VV	115	2307	0.02%	0.001%
42	5.308	5.292	5.326	VV	752	7780	0.08%	0.004%
43	5.342	5.326	5.372	VV	287	5434	0.05%	0.003%
44	5.394	5.372	5.452	VV	231	5120	0.05%	0.003%
45	5.466	5.452	5.492	VV	102	1910	0.02%	0.001%
46	5.504	5.492	5.548	VV	213	2794	0.03%	0.001%
47	5.582	5.548	5.602	VV	214	3921	0.04%	0.002%
48	5.625	5.602	5.668	VV	1112	12181	0.12%	0.007%
49	5.680	5.668	5.692	VV	124	1280	0.01%	0.001%
50	5.704	5.692	5.750	VV	119	1817	0.02%	0.001%
51	5.767	5.750	5.795	VV	186	2275	0.02%	0.001%
52	5.819	5.795	5.838	PV	1049	11082	0.11%	0.006%
53	5.855	5.838	5.895	VV	1110	12991	0.13%	0.007%
54	5.926	5.895	5.985	VV	445	9061	0.09%	0.005%
55	5.993	5.985	6.024	VV	90	2328	0.02%	0.001%
56	6.055	6.024	6.093	VV	756	12546	0.12%	0.007%
57	6.120	6.093	6.143	VV	126	2204	0.02%	0.001%
58	6.155	6.143	6.182	VV	97	1875	0.02%	0.001%
59	6.201	6.182	6.219	VV	175	2489	0.02%	0.001%
60	6.237	6.219	6.273	VV	618	8894	0.09%	0.005%
61	6.279	6.273	6.313	VV	203	2300	0.02%	0.001%
62	6.328	6.313	6.352	PV	218	3024	0.03%	0.002%
63	6.393	6.352	6.430	VV	451860	4212231	41.74%	2.251%
64	6.443	6.430	6.478	VV	467	6933	0.07%	0.004%
65	6.498	6.478	6.530	VV	364	6953	0.07%	0.004%
66	6.568	6.530	6.614	VV	338	9554	0.09%	0.005%
67	6.648	6.614	6.669	VV	215	5507	0.05%	0.003%
68	6.694	6.669	6.704	VV	633	8049	0.08%	0.004%
69	6.717	6.704	6.768	VV	791	12860	0.13%	0.007%

rteres

70	6.786	6.768	6.820	VV	168	4159	0.04%	0.002%
71	6.856	6.820	6.896	VV	354837	3611376	35.79%	1.930%
72	6.932	6.896	6.988	VV	1073	15174	0.15%	0.008%
73	7.010	6.988	7.055	VV	268	5623	0.06%	0.003%
74	7.063	7.055	7.072	VV	80	780	0.01%	0.000%
75	7.081	7.072	7.112	VV	121	1994	0.02%	0.001%
76	7.145	7.112	7.218	VV	292	8111	0.08%	0.004%
77	7.277	7.218	7.302	VV	320	6193	0.06%	0.003%
78	7.336	7.302	7.369	VV	4382	41612	0.41%	0.022%
79	7.398	7.369	7.448	VV	8696	87185	0.86%	0.047%
80	7.495	7.448	7.525	PV	419932	4074023	40.37%	2.177%
81	7.539	7.525	7.572	VV	587	9908	0.10%	0.005%
82	7.577	7.572	7.595	VV	171	2118	0.02%	0.001%
83	7.601	7.595	7.614	VV	142	1503	0.01%	0.001%
84	7.634	7.614	7.675	VV	1574	22601	0.22%	0.012%
85	7.694	7.675	7.710	VV	1657	20698	0.21%	0.011%
86	7.719	7.710	7.744	VV	882	10030	0.10%	0.005%
87	7.772	7.744	7.787	VV	796	9930	0.10%	0.005%
88	7.806	7.787	7.828	VV	1152	13041	0.13%	0.007%
89	7.868	7.828	7.885	VV	357	7952	0.08%	0.004%
90	7.899	7.885	7.916	VV	250	3061	0.03%	0.002%
91	7.929	7.916	7.943	VV	169	1603	0.02%	0.001%
92	7.955	7.943	7.968	VV	140	1393	0.01%	0.001%
93	7.985	7.968	8.014	VV	480	6016	0.06%	0.003%
94	8.037	8.014	8.074	VV	284	4950	0.05%	0.003%
95	8.238	8.197	8.255	VV	593	11735	0.12%	0.006%
96	8.269	8.255	8.362	VV	1027	17031	0.17%	0.009%
97	8.386	8.362	8.414	VV	982	12281	0.12%	0.007%
98	8.443	8.414	8.507	VV	640	11922	0.12%	0.006%
99	8.520	8.507	8.541	VV	161	2332	0.02%	0.001%
100	8.555	8.541	8.565	VV	215	2098	0.02%	0.001%
101	8.603	8.565	8.642	VV	328	9949	0.10%	0.005%
102	8.697	8.642	8.738	VV	377500	3868536	38.34%	2.067%
103	8.754	8.738	8.770	VV	281	4177	0.04%	0.002%
104	8.807	8.770	8.859	VV	465078	4589516	45.48%	2.452%
105	8.880	8.859	8.901	VV	409	6099	0.06%	0.003%
106	8.925	8.901	8.964	VV	293	6123	0.06%	0.003%
107	9.049	9.039	9.055	VV	387	3312	0.03%	0.002%
108	9.062	9.055	9.074	VV	418	3624	0.04%	0.002%
109	9.110	9.074	9.149	VV	474465	4686968	46.45%	2.504%
110	9.169	9.149	9.218	VV	555	10567	0.10%	0.006%
111	9.233	9.218	9.268	VV	236	3769	0.04%	0.002%
112	9.318	9.268	9.355	VV	261	7061	0.07%	0.004%

rteres

113	9.382	9.355	9.399	VV	948	10857	0.11%	0.006%
114	9.424	9.399	9.461	VV	713	15821	0.16%	0.008%
115	9.472	9.461	9.493	VV	231	2512	0.02%	0.001%
116	9.527	9.493	9.572	VV	644	9766	0.10%	0.005%
117	9.585	9.572	9.614	VV	155	2177	0.02%	0.001%
118	9.629	9.614	9.681	VV	87	2361	0.02%	0.001%
119	9.722	9.681	9.755	PV	189	4972	0.05%	0.003%
120	9.790	9.755	9.802	VV	173	3756	0.04%	0.002%
121	9.831	9.802	9.846	VV	189	3284	0.03%	0.002%
122	9.859	9.846	9.867	VV	258	2140	0.02%	0.001%
123	9.903	9.867	9.934	VV	489870	4994492	49.49%	2.669%
124	9.950	9.934	9.980	VV	465	7795	0.08%	0.004%
125	9.994	9.980	10.035	VV	219	5593	0.06%	0.003%
126	10.050	10.035	10.061	VV	490	5802	0.06%	0.003%
127	10.089	10.061	10.098	VV	1490	22179	0.22%	0.012%
128	10.116	10.098	10.140	VV	7071	77882	0.77%	0.042%
129	10.180	10.140	10.227	VV	22509	245561	2.43%	0.131%
130	10.247	10.227	10.270	VV	485	6744	0.07%	0.004%
131	10.315	10.270	10.378	VV	392179	4339410	43.00%	2.319%
132	10.400	10.378	10.436	VV	504	7593	0.08%	0.004%
133	10.465	10.436	10.473	VV	123	1902	0.02%	0.001%
134	10.491	10.473	10.515	VV	108	1509	0.01%	0.001%
135	10.539	10.515	10.565	VV	137	2158	0.02%	0.001%
136	10.593	10.565	10.613	VV	425	4834	0.05%	0.003%
137	10.659	10.613	10.692	PV	855	10135	0.10%	0.005%
138	10.700	10.692	10.714	VV	125	1046	0.01%	0.001%
139	10.735	10.714	10.744	VV	178	2239	0.02%	0.001%
140	10.756	10.744	10.814	VV	218	4217	0.04%	0.002%
141	10.830	10.814	10.862	PV	172	2031	0.02%	0.001%
142	10.884	10.862	10.910	VV	124	2002	0.02%	0.001%
143	10.958	10.910	10.992	VV	306	7907	0.08%	0.004%
144	11.012	10.992	11.031	VV	387	5222	0.05%	0.003%
145	11.055	11.031	11.077	VV	309	4536	0.04%	0.002%
146	11.117	11.077	11.141	VV	4513	56916	0.56%	0.030%
147	11.157	11.141	11.188	VV	387	6721	0.07%	0.004%
148	11.195	11.188	11.221	VV	175	1840	0.02%	0.001%
149	11.250	11.221	11.260	VV	178	2733	0.03%	0.001%
150	11.321	11.260	11.357	VV	499931	5289550	52.42%	2.826%
151	11.396	11.357	11.452	VV	499154	5308496	52.60%	2.837%
152	11.469	11.452	11.542	VV	704	12612	0.12%	0.007%
153	11.569	11.542	11.585	VV	1120	13714	0.14%	0.007%
154	11.600	11.585	11.675	VV	2360	28367	0.28%	0.015%
155	11.695	11.675	11.715	VV	304	3922	0.04%	0.002%

rteres

156	11.769	11.715	11.804	VV	401708	4586783	45.45%	2.451%
157	11.822	11.804	11.832	VV	322	4229	0.04%	0.002%
158	11.843	11.832	11.904	VV	369	6526	0.06%	0.003%
159	11.926	11.904	11.944	VV	137	2273	0.02%	0.001%
160	11.964	11.944	11.993	VV	170	2439	0.02%	0.001%
161	12.092	11.993	12.145	PV	372126	4065213	40.28%	2.172%
162	12.187	12.145	12.205	VV	420	8890	0.09%	0.005%
163	12.220	12.205	12.245	VV	829	12164	0.12%	0.006%
164	12.270	12.245	12.287	VV	474	9817	0.10%	0.005%
165	12.300	12.287	12.332	VV	353	5774	0.06%	0.003%
166	12.376	12.332	12.403	VV	201	4667	0.05%	0.002%
167	12.439	12.403	12.459	VV	361	6173	0.06%	0.003%
168	12.480	12.459	12.514	VV	393	8174	0.08%	0.004%
169	12.533	12.514	12.578	VV	366	5464	0.05%	0.003%
170	12.688	12.578	12.766	VV	36459	483682	4.79%	0.258%
171	12.777	12.766	12.865	VV	1307	51612	0.51%	0.028%
172	12.910	12.865	12.948	VV	1491	40180	0.40%	0.021%
173	12.957	12.948	12.995	VV	534	11001	0.11%	0.006%
174	13.024	12.995	13.048	VV	559	13163	0.13%	0.007%
175	13.088	13.048	13.118	VV	403269	4839563	47.96%	2.586%
176	13.154	13.118	13.207	VV	473061	5425277	53.76%	2.899%
177	13.229	13.207	13.268	VV	968	17079	0.17%	0.009%
178	13.277	13.268	13.295	VV	238	2726	0.03%	0.001%
179	13.337	13.295	13.375	VV	4466	53964	0.53%	0.029%
180	13.389	13.375	13.398	VV	110	981	0.01%	0.001%
181	13.456	13.398	13.484	VV	470644	5430481	53.81%	2.902%
182	13.536	13.484	13.620	VV	279526	3332142	33.02%	1.780%
183	13.650	13.620	13.668	VV	332	6694	0.07%	0.004%
184	13.704	13.668	13.761	VV	391139	4676999	46.35%	2.499%
185	13.840	13.761	13.862	VV	634	29008	0.29%	0.016%
186	13.897	13.862	13.917	VV	1167	28196	0.28%	0.015%
187	13.935	13.917	14.065	VV	6956	150770	1.49%	0.081%
188	14.083	14.065	14.103	VV	886	15684	0.16%	0.008%
189	14.135	14.103	14.185	VV	1026	28460	0.28%	0.015%
190	14.243	14.185	14.258	VV	1315	25370	0.25%	0.014%
191	14.295	14.258	14.408	VV	398397	4682018	46.40%	2.502%
192	14.424	14.408	14.444	VV	183	2789	0.03%	0.001%
193	14.468	14.444	14.505	VV	842	11284	0.11%	0.006%
194	14.524	14.505	14.566	VV	275	4618	0.05%	0.002%
195	14.574	14.566	14.609	VV	88	910	0.01%	0.000%
196	14.684	14.609	14.707	VV	600	12427	0.12%	0.007%
197	14.733	14.707	14.802	VV	2120	29717	0.29%	0.016%
198	14.862	14.802	14.893	VV	2202	35466	0.35%	0.019%
199	14.919	14.893	14.945	VV	1086	14772	0.15%	0.008%

rteres

200	14.963	14.945	15.002	VV	313	5451	0.05%	0.003%
201	15.013	15.002	15.050	VV	131	2014	0.02%	0.001%
202	15.080	15.050	15.119	PV	621	8884	0.09%	0.005%
203	15.132	15.119	15.146	PV	109	917	0.01%	0.000%
204	15.152	15.146	15.168	VV	52	419	0.00%	0.000%
205	15.199	15.168	15.221	VV	237	3423	0.03%	0.002%
206	15.243	15.221	15.298	VV	423	8204	0.08%	0.004%
207	15.347	15.298	15.367	VV	399543	5407528	53.59%	2.889%
208	15.395	15.367	15.481	VV	653990	10091378	100.00%	5.392%
209	15.491	15.481	15.553	VV	117	3170	0.03%	0.002%
210	15.575	15.553	15.598	VV	389	5382	0.05%	0.003%
211	15.603	15.598	15.627	VV	188	1840	0.02%	0.001%
212	15.640	15.627	15.671	VV	120	1742	0.02%	0.001%
213	15.702	15.671	15.719	PV	205	3331	0.03%	0.002%
214	15.735	15.719	15.743	VV	217	2083	0.02%	0.001%
215	15.780	15.743	15.875	VV	16551	254253	2.52%	0.136%
216	15.925	15.875	15.963	VV	3522	53894	0.53%	0.029%
217	16.006	15.963	16.034	VV	451	11550	0.11%	0.006%
218	16.054	16.034	16.097	VV	355	5151	0.05%	0.003%
219	16.116	16.097	16.125	PV	30	392	0.00%	0.000%
220	16.149	16.125	16.172	PV	445	6277	0.06%	0.003%
221	16.182	16.172	16.227	VV	189	3117	0.03%	0.002%
222	16.255	16.227	16.277	PV	431	6439	0.06%	0.003%
223	16.303	16.277	16.345	VV	622	11070	0.11%	0.006%
224	16.433	16.345	16.478	VV	357561	4634410	45.92%	2.476%
225	16.494	16.478	16.528	VV	144	2115	0.02%	0.001%
226	16.636	16.528	16.692	VV	567	11874	0.12%	0.006%
227	16.740	16.692	16.754	PV	309	5722	0.06%	0.003%
228	16.799	16.754	16.845	VV	1659	34462	0.34%	0.018%
229	16.914	16.845	16.930	VV	377457	5291555	52.44%	2.827%
230	16.949	16.930	16.980	VV	438001	5175563	51.29%	2.765%
231	17.045	16.980	17.124	VV	19666	275767	2.73%	0.147%
232	17.158	17.124	17.205	VV	2967	44766	0.44%	0.024%
233	17.218	17.205	17.248	VV	322	4886	0.05%	0.003%
234	17.298	17.248	17.328	VV	388883	5009021	49.64%	2.677%
235	17.387	17.328	17.425	VV	340636	4544228	45.03%	2.428%
236	17.439	17.425	17.493	VV	549	10737	0.11%	0.006%
237	17.559	17.493	17.567	VV	46	1537	0.02%	0.001%
238	17.599	17.567	17.609	PV	107	1555	0.02%	0.001%
239	17.678	17.609	17.695	VV	198	5095	0.05%	0.003%
240	17.749	17.695	17.793	PV	747	16201	0.16%	0.009%
241	17.837	17.793	17.885	VV	3448	51600	0.51%	0.028%
242	17.926	17.885	17.935	PV	199	2274	0.02%	0.001%

rteres

243	17.949	17.935	17.959	VV	149	1589	0.02%	0.001%
244	18.010	17.959	18.048	VV	390	9780	0.10%	0.005%
245	18.068	18.048	18.089	VV	136	2518	0.02%	0.001%
246	18.133	18.089	18.141	VV	380	5828	0.06%	0.003%
247	18.169	18.141	18.215	VV	3737	59798	0.59%	0.032%
248	18.281	18.215	18.345	VV	335830	4491274	44.51%	2.400%
249	18.368	18.345	18.388	VV	466	7083	0.07%	0.004%
250	18.452	18.388	18.498	VV	572	14415	0.14%	0.008%
251	18.560	18.498	18.578	PV	296	8600	0.09%	0.005%
252	18.677	18.578	18.693	VV	345464	5242846	51.95%	2.801%
253	18.716	18.693	18.762	VV	365511	4842236	47.98%	2.587%
254	18.795	18.762	18.815	VV	686	12850	0.13%	0.007%
255	18.833	18.815	18.862	VV	412	8611	0.09%	0.005%
256	18.936	18.862	18.990	VV	332437	4589494	45.48%	2.452%
257	19.054	18.990	19.071	VV	592	19884	0.20%	0.011%
258	19.116	19.071	19.163	VV	308385	4346125	43.07%	2.322%
259	19.230	19.163	19.258	VV	1290	44265	0.44%	0.024%
260	19.278	19.258	19.311	VV	764	19566	0.19%	0.010%
261	19.390	19.311	19.425	VV	903	41094	0.41%	0.022%
262	19.469	19.425	19.496	VV	9181	175068	1.73%	0.094%
263	19.517	19.496	19.562	VV	4606	104810	1.04%	0.056%
264	19.643	19.562	19.668	VV	1370	82775	0.82%	0.044%
265	19.715	19.668	19.735	VV	2428	68871	0.68%	0.037%
266	19.904	19.735	19.952	VV	310517	4592529	45.51%	2.454%
267	20.004	19.952	20.038	VV	3354	137197	1.36%	0.073%
268	20.061	20.038	20.089	VV	2717	76402	0.76%	0.041%
269	20.202	20.089	20.212	VV	3082	206144	2.04%	0.110%
270	20.249	20.212	20.260	VV	4605	108992	1.08%	0.058%
271	20.276	20.260	20.300	VV	4937	101531	1.01%	0.054%
272	20.328	20.300	20.349	VV	3702	104653	1.04%	0.056%
273	20.434	20.349	20.457	VV	6117	268642	2.66%	0.144%
274	20.541	20.457	20.578	VV	6396	371891	3.69%	0.199%
275	20.647	20.578	20.688	VV	290124	4404389	43.65%	2.353%
276	20.722	20.688	20.741	VV	5738	180446	1.79%	0.096%
277	20.812	20.741	20.845	VV	10805	478060	4.74%	0.255%
278	20.926	20.845	20.955	VV	6206	401892	3.98%	0.215%
279	21.017	20.955	21.048	VV	7014	358424	3.55%	0.192%
280	21.077	21.048	21.145	VV	6298	347379	3.44%	0.186%
281	21.254	21.145	21.378	VV	8910	882463	8.74%	0.472%
282	21.436	21.378	21.505	VV	217127	4270379	42.32%	2.282%
283	21.534	21.505	21.589	VV	4243	202563	2.01%	0.108%
284	21.603	21.589	21.718	VV	3709	267464	2.65%	0.143%
285	21.765	21.718	21.828	VV	3272	204728	2.03%	0.109%

rteres

286	21.863	21.828	21.875	VV	3287	85529	0.85%	0.046%
287	21.892	21.875	21.965	VV	3319	150064	1.49%	0.080%
288	21.984	21.965	22.102	VV	2244	160363	1.59%	0.086%
289	22.107	22.102	22.122	VV	1736	20848	0.21%	0.011%
290	22.197	22.122	22.292	VV	1816	155997	1.55%	0.083%
291	22.305	22.292	22.348	VV	1109	34049	0.34%	0.018%
292	22.438	22.348	22.580	VV	147926	3808581	37.74%	2.035%

Sum of corrected areas: 187148160

Aliphatic EPH 061325.M Sat Jun 28 06:36:06 2025

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Manual Integration Report

Sequence:	FC063025AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FC069326.D	n-Tetracontane (C40)	yogesh	7/1/2025 7:35:49 AM	mohammad	7/1/2025 8:54:55	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC069330.D	n-Tetracontane (C40)	yogesh	7/1/2025 7:35:51 AM	mohammad	7/1/2025 8:54:55	Peak Integrated by Software
PB168656BS	FC069332.D	n-Tetracontane (C40)	yogesh	7/1/2025 7:35:53 AM	mohammad	7/1/2025 8:54:55	Peak Integrated by Software
PB168656BSD	FC069333.D	n-Tetracontane (C40)	yogesh	7/1/2025 7:35:55 AM	mohammad	7/1/2025 8:54:55	Peak Integrated by Software
Q2452-01MS	FC069336.D	n-Tetracontane (C40)	yogesh	7/1/2025 7:35:56 AM	mohammad	7/1/2025 8:54:55	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC069340.D	n-Tetracontane (C40)	yogesh	7/1/2025 7:35:58 AM	mohammad	7/1/2025 8:54:55	Peak Integrated by Software

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Manual Integration Report

Sequence:	FE062725AL	Instrument	FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
50 PPM ALIPHATIC HC	FE054609.D	n-Octatriacontane (C38)	yogesh	6/30/2025 7:50:48 AM	mohammad	6/30/2025 9:33:27	Peak Integrated by Software
50 PPM ALIPHATIC HC	FE054609.D	n-Tetracontane (C40)	yogesh	6/30/2025 7:50:48 AM	mohammad	6/30/2025 9:33:27	Peak Integrated by Software
Q2429-02	FE054617.D	ortho-Terphenyl (SURR)	yogesh	6/30/2025 7:50:50 AM	mohammad	6/30/2025 9:33:27	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE054624.D	n-Hexacosane (C26)	yogesh	6/30/2025 7:50:52 AM	mohammad	6/30/2025 9:33:27	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE054624.D	n-Tetracontane (C40)	yogesh	6/30/2025 7:50:52 AM	mohammad	6/30/2025 9:33:27	Peak Integrated by Software

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Manual Integration Report

Sequence:	FE070325AL	Instrument	FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB168635BSD	FE054687.D	n-Tetratriacontane (C34)	yogesh	7/7/2025 8:35:18 AM	mohammad	7/8/2025 9:13:38	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE054689.D	n-Tetracontane (C40)	yogesh	7/7/2025 8:35:20 AM	mohammad	7/8/2025 9:13:38	Peak Integrated by Software

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Manual Integration Report

Sequence:	FG061325AL	Instrument	FID_g

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

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Manual Integration Report

Sequence:	FG062725AL	Instrument	FID_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FG016154.D	n-Hexatriacontane (C36)	yogesh	6/30/2025 7:43:33 AM	mohammad	6/30/2025 9:34:35	Peak Integrated by Software

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC061825AL

Review By	yogesh	Review On	6/18/2025 1:05:10 PM		
Supervise By	mohammad	Supervise On	6/20/2025 3:01:04 AM		
SubDirectory	FC061825AL	HP Acquire Method		HP Processing Method	FC061825AL

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	FC069219.D	18 Jun 2025 09:57	YP/AJ	Ok
2	I.BLK	FC069220.D	18 Jun 2025 10:37	YP/AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FC069221.D	18 Jun 2025 11:17	YP/AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FC069222.D	18 Jun 2025 11:58	YP/AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FC069223.D	18 Jun 2025 12:39	YP/AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FC069224.D	18 Jun 2025 13:20	YP/AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FC069225.D	18 Jun 2025 14:03	YP/AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FC069226.D	18 Jun 2025 14:45	YP/AJ	Ok
9	I.BLK	FC069227.D	18 Jun 2025 15:28	YP/AJ	Ok
10	20 PPM ALIPHATIC HC STD	FC069228.D	18 Jun 2025 16:12	YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC063025AL

Review By	yogesh	Review On	6/30/2025 11:49:41 AM		
Supervise By	mohammad	Supervise On	7/1/2025 8:54:55 AM		
SubDirectory	FC063025AL	HP Acquire Method		HP Processing Method	FC061825AL

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	FC069324.D	30 Jun 2025 09:45	YP/AJ	Ok
2	I.BLK	FC069325.D	30 Jun 2025 10:29	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC069326.D	30 Jun 2025 11:14	YP/AJ	Ok,M
4	Q2431-02	FC069327.D	30 Jun 2025 11:59	YP/AJ	Ok
5	Q2431-05	FC069328.D	30 Jun 2025 13:01	YP/AJ	Ok
6	I.BLK	FC069329.D	30 Jun 2025 13:49	YP/AJ	Ok
7	20 PPM ALIPHATIC HC STD	FC069330.D	30 Jun 2025 14:38	YP/AJ	Ok,M
8	PB168656BL	FC069331.D	30 Jun 2025 15:28	YP/AJ	Ok
9	PB168656BS	FC069332.D	30 Jun 2025 16:17	YP/AJ	Ok,M
10	PB168656BSD	FC069333.D	30 Jun 2025 17:09	YP/AJ	Ok,M
11	Q2452-01	FC069334.D	30 Jun 2025 18:01	YP/AJ	Ok
12	Q2452-01D	FC069335.D	30 Jun 2025 18:52	YP/AJ	Ok
13	Q2452-01MS	FC069336.D	30 Jun 2025 19:42	YP/AJ	Ok,M
14	Q2452-01MSD	FC069337.D	30 Jun 2025 20:31	YP/AJ	Ok
15	Q2452-02	FC069338.D	30 Jun 2025 21:20	YP/AJ	Ok
16	I.BLK	FC069339.D	30 Jun 2025 22:54	YP/AJ	Ok
17	20 PPM ALIPHATIC HC STD	FC069340.D	30 Jun 2025 23:40	YP/AJ	Ok,M

M : Manual Integration

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE062725AL

Review By	yogesh	Review On	6/27/2025 12:30:13 PM		
Supervise By	mohammad	Supervise On	6/30/2025 9:33:27 AM		
SubDirectory	FE062725AL	HP Acquire Method		HP Processing Method	FE062725AL

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	FE054606.D	27 Jun 2025 11:53	YP\AJ	Ok
2	I.BLK	FE054607.D	27 Jun 2025 12:23	YP\AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FE054608.D	27 Jun 2025 12:53	YP\AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FE054609.D	27 Jun 2025 13:23	YP\AJ	Ok,M
5	20 PPM ALIPHATIC HC STD3	FE054610.D	27 Jun 2025 13:53	YP\AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FE054611.D	27 Jun 2025 14:23	YP\AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FE054612.D	27 Jun 2025 14:54	YP\AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FE054613.D	27 Jun 2025 15:24	YP\AJ	Ok
9	I.BLK	FE054614.D	27 Jun 2025 15:54	YP\AJ	Ok
10	20 PPM ALIPHATIC HC STD	FE054615.D	27 Jun 2025 16:24	YP\AJ	Ok
11	Q2429-01	FE054616.D	27 Jun 2025 16:54	YP\AJ	Ok
12	Q2429-02	FE054617.D	27 Jun 2025 17:25	YP\AJ	Ok,M
13	Q2431-01	FE054618.D	27 Jun 2025 17:55	YP\AJ	Ok
14	Q2431-02	FE054619.D	27 Jun 2025 18:25	YP\AJ	Not Ok
15	Q2431-03	FE054620.D	27 Jun 2025 18:55	YP\AJ	Ok
16	Q2431-04	FE054621.D	27 Jun 2025 19:25	YP\AJ	Ok
17	Q2431-05	FE054622.D	27 Jun 2025 19:56	YP\AJ	Not Ok
18	I.BLK	FE054623.D	27 Jun 2025 20:56	YP\AJ	Ok
19	20 PPM ALIPHATIC HC STD	FE054624.D	27 Jun 2025 22:57	YP\AJ	Ok,M

M : Manual Integration

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE070325AL

Review By	yogesh	Review On	7/3/2025 11:58:18 AM		
Supervise By	mohammad	Supervise On	7/8/2025 9:13:38 AM		
SubDirectory	FE070325AL	HP Acquire Method		HP Processing Method	FE062725AL

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	FE054682.D	03 Jul 2025 09:48	YP\AJ	Ok
2	I.BLK	FE054683.D	03 Jul 2025 10:19	YP\AJ	Ok
3	20 PPM ALIPHATIC HC STD	FE054684.D	03 Jul 2025 10:49	YP\AJ	Ok
4	PB168635BL	FE054685.D	03 Jul 2025 11:39	YP\AJ	Ok
5	PB168635BS	FE054686.D	03 Jul 2025 12:09	YP\AJ	Ok
6	PB168635BSD	FE054687.D	03 Jul 2025 12:40	YP\AJ	Ok,M
7	I.BLK	FE054688.D	03 Jul 2025 13:10	YP\AJ	Ok
8	20 PPM ALIPHATIC HC STD	FE054689.D	03 Jul 2025 15:16	YP\AJ	Ok,M
9	Q2487-09	FE054690.D	03 Jul 2025 15:46	YP\AJ	Not Ok
10	Q2487-10	FE054691.D	03 Jul 2025 16:17	YP\AJ	Not Ok
11	Q2487-11	FE054692.D	03 Jul 2025 16:48	YP\AJ	Not Ok
12	Q2487-12	FE054693.D	03 Jul 2025 17:18	YP\AJ	Not Ok

M : Manual Integration

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Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG061325AL

Review By	yogesh	Review On	6/13/2025 12:52:17 PM		
Supervise By	mohammad	Supervise On	6/17/2025 3:40:36 AM		
SubDirectory	FG061325AL	HP Acquire Method		HP Processing Method	FG061325AL

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	FG016069.D	13 Jun 2025 13:06	YP\AJ	Ok
2	I.BLK	FG016070.D	13 Jun 2025 13:35	YP\AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FG016071.D	13 Jun 2025 14:05	YP\AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FG016072.D	13 Jun 2025 14:34	YP\AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FG016073.D	13 Jun 2025 15:03	YP\AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FG016074.D	13 Jun 2025 15:33	YP\AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FG016075.D	13 Jun 2025 16:02	YP\AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FG016076.D	13 Jun 2025 16:31	YP\AJ	Ok
9	I.BLK	FG016077.D	13 Jun 2025 17:30	YP\AJ	Ok
10	20 PPM ALIPHATIC HC STD	FG016078.D	13 Jun 2025 18:00	YP\AJ	Ok

M : Manual Integration

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Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG062725AL

Review By	yogesh	Review On	6/27/2025 2:44:42 PM		
Supervise By	mohammad	Supervise On	6/30/2025 9:34:35 AM		
SubDirectory	FG062725AL	HP Acquire Method		HP Processing Method	FG061325AL

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	FG016146.D	27 Jun 2025 11:09	YP\AJ	Ok
2	I.BLK	FG016147.D	27 Jun 2025 11:39	YP\AJ	Ok
3	20 PPM ALIPHATIC HC STD	FG016148.D	27 Jun 2025 12:08	YP\AJ	Ok
4	PB168639BL	FG016149.D	27 Jun 2025 12:40	YP\AJ	Ok
5	PB168639BS	FG016150.D	27 Jun 2025 13:09	YP\AJ	Ok
6	PB168639BSD	FG016151.D	27 Jun 2025 13:39	YP\AJ	Ok
7	Q2418-01	FG016152.D	27 Jun 2025 14:09	YP\AJ	Dilution
8	I.BLK	FG016153.D	27 Jun 2025 14:38	YP\AJ	Ok
9	20 PPM ALIPHATIC HC STD	FG016154.D	27 Jun 2025 15:08	YP\AJ	Ok,M
10	PB168635BL	FG016155.D	27 Jun 2025 15:37	YP\AJ	Not Ok
11	PB168635BS	FG016156.D	27 Jun 2025 16:07	YP\AJ	Not Ok
12	PB168635BSD	FG016157.D	27 Jun 2025 16:36	YP\AJ	Not Ok
13	Q2430-01	FG016158.D	27 Jun 2025 17:06	YP\AJ	Ok
14	Q2430-01D	FG016159.D	27 Jun 2025 17:36	YP\AJ	Ok
15	Q2430-01MS	FG016160.D	27 Jun 2025 18:05	YP\AJ	Ok
16	Q2430-01MSD	FG016161.D	27 Jun 2025 18:35	YP\AJ	Ok
17	Q2430-02	FG016162.D	27 Jun 2025 19:04	YP\AJ	Ok
18	Q2418-01DL	FG016163.D	27 Jun 2025 19:34	YP\AJ	Dilution
19	Q2418-01DL2	FG016164.D	27 Jun 2025 20:03	YP\AJ	Dilution
20	Q2418-01DL3	FG016165.D	27 Jun 2025 20:33	YP\AJ	Dilution
21	I.BLK	FG016166.D	27 Jun 2025 21:32	YP\AJ	Ok

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Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG062725AL

Review By	yogesh	Review On	6/27/2025 2:44:42 PM		
Supervise By	mohammad	Supervise On	6/30/2025 9:34:35 AM		
SubDirectory	FG062725AL	HP Acquire Method		HP Processing Method	FG061325AL

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	20 PPM ALIPHATIC HC STD	FG016167.D	27 Jun 2025 22:02	YP\AJ	Ok

M : Manual Integration

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC061825AL

Review By	yogesh	Review On	6/18/2025 1:05:10 PM		
Supervise By	mohammad	Supervise On	6/20/2025 3:01:04 AM		
SubDirectory	FC061825AL	HP Acquire Method		HP Processing Method	FC061825AL

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	FC069219.D	18 Jun 2025 09:57		YP/AJ	Ok
2	I.BLK	I.BLK	FC069220.D	18 Jun 2025 10:37		YP/AJ	Ok
3	100 PPM ALIPHATIC H	100 PPM ALIPHATIC H	FC069221.D	18 Jun 2025 11:17		YP/AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FC069222.D	18 Jun 2025 11:58		YP/AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069223.D	18 Jun 2025 12:39		YP/AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FC069224.D	18 Jun 2025 13:20		YP/AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FC069225.D	18 Jun 2025 14:03		YP/AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069226.D	18 Jun 2025 14:45		YP/AJ	Ok
9	I.BLK	I.BLK	FC069227.D	18 Jun 2025 15:28		YP/AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069228.D	18 Jun 2025 16:12		YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC063025AL

Review By	yogesh	Review On	6/30/2025 11:49:41 AM		
Supervise By	mohammad	Supervise On	7/1/2025 8:54:55 AM		
SubDirectory	FC063025AL	HP Acquire Method		HP Processing Method	FC061825AL

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	FC069324.D	30 Jun 2025 09:45		YP/AJ	Ok
2	I.BLK	I.BLK	FC069325.D	30 Jun 2025 10:29		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069326.D	30 Jun 2025 11:14		YP/AJ	Ok,M
4	Q2431-02	S-2	FC069327.D	30 Jun 2025 11:59		YP/AJ	Ok
5	Q2431-05	S-5	FC069328.D	30 Jun 2025 13:01		YP/AJ	Ok
6	I.BLK	I.BLK	FC069329.D	30 Jun 2025 13:49		YP/AJ	Ok
7	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069330.D	30 Jun 2025 14:38		YP/AJ	Ok,M
8	PB168656BL	PB168656BL	FC069331.D	30 Jun 2025 15:28		YP/AJ	Ok
9	PB168656BS	PB168656BS	FC069332.D	30 Jun 2025 16:17		YP/AJ	Ok,M
10	PB168656BSD	PB168656BSD	FC069333.D	30 Jun 2025 17:09		YP/AJ	Ok,M
11	Q2452-01	TP-5	FC069334.D	30 Jun 2025 18:01		YP/AJ	Ok
12	Q2452-01D	Q2452-01D	FC069335.D	30 Jun 2025 18:52		YP/AJ	Ok
13	Q2452-01MS	TP-5MS	FC069336.D	30 Jun 2025 19:42	FC069334.D	YP/AJ	Ok,M
14	Q2452-01MSD	TP-5MSD	FC069337.D	30 Jun 2025 20:31	FC069334.D!FC069336.D	YP/AJ	Ok
15	Q2452-02	TP-5-EPH	FC069338.D	30 Jun 2025 21:20		YP/AJ	Ok
16	I.BLK	I.BLK	FC069339.D	30 Jun 2025 22:54		YP/AJ	Ok
17	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069340.D	30 Jun 2025 23:40		YP/AJ	Ok,M

M : Manual Integration

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE062725AL

Review By	yogesh	Review On	6/27/2025 12:30:13 PM		
Supervise By	mohammad	Supervise On	6/30/2025 9:33:27 AM		
SubDirectory	FE062725AL	HP Acquire Method		HP Processing Method	FE062725AL

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	FE054606.D	27 Jun 2025 11:53		YP\AJ	Ok
2	I.BLK	I.BLK	FE054607.D	27 Jun 2025 12:23		YP\AJ	Ok
3	100 PPM ALIPHATIC H	100 PPM ALIPHATIC H	FE054608.D	27 Jun 2025 12:53		YP\AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FE054609.D	27 Jun 2025 13:23		YP\AJ	Ok,M
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE054610.D	27 Jun 2025 13:53		YP\AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FE054611.D	27 Jun 2025 14:23		YP\AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FE054612.D	27 Jun 2025 14:54		YP\AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE054613.D	27 Jun 2025 15:24		YP\AJ	Ok
9	I.BLK	I.BLK	FE054614.D	27 Jun 2025 15:54		YP\AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE054615.D	27 Jun 2025 16:24		YP\AJ	Ok
11	Q2429-01	TP-4	FE054616.D	27 Jun 2025 16:54		YP\AJ	Ok
12	Q2429-02	TP-4-EPH	FE054617.D	27 Jun 2025 17:25		YP\AJ	Ok,M
13	Q2431-01	S-1	FE054618.D	27 Jun 2025 17:55		YP\AJ	Ok
14	Q2431-02	Q2431-02	FE054619.D	27 Jun 2025 18:25	Need to run again	YP\AJ	Not Ok
15	Q2431-03	S-3	FE054620.D	27 Jun 2025 18:55		YP\AJ	Ok
16	Q2431-04	S-4	FE054621.D	27 Jun 2025 19:25		YP\AJ	Ok
17	Q2431-05	Q2431-05	FE054622.D	27 Jun 2025 19:56	Need to run again	YP\AJ	Not Ok
18	I.BLK	I.BLK	FE054623.D	27 Jun 2025 20:56		YP\AJ	Ok

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE062725AL

Review By	yogesh	Review On	6/27/2025 12:30:13 PM		
Supervise By	mohammad	Supervise On	6/30/2025 9:33:27 AM		
SubDirectory	FE062725AL	HP Acquire Method		HP Processing Method	FE062725AL

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	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE054624.D	27 Jun 2025 22:57		YP\AJ	Ok,M

M : Manual Integration

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE070325AL

Review By	yogesh	Review On	7/3/2025 11:58:18 AM		
Supervise By	mohammad	Supervise On	7/8/2025 9:13:38 AM		
SubDirectory	FE070325AL	HP Acquire Method		HP Processing Method	FE062725AL

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	FE054682.D	03 Jul 2025 09:48		YP\AJ	Ok
2	I.BLK	I.BLK	FE054683.D	03 Jul 2025 10:19		YP\AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE054684.D	03 Jul 2025 10:49		YP\AJ	Ok
4	PB168635BL	PB168635BL	FE054685.D	03 Jul 2025 11:39		YP\AJ	Ok
5	PB168635BS	PB168635BS	FE054686.D	03 Jul 2025 12:09		YP\AJ	Ok
6	PB168635BSD	PB168635BSD	FE054687.D	03 Jul 2025 12:40		YP\AJ	Ok,M
7	I.BLK	I.BLK	FE054688.D	03 Jul 2025 13:10		YP\AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE054689.D	03 Jul 2025 15:16		YP\AJ	Ok,M
9	Q2487-09	Q2487-09	FE054690.D	03 Jul 2025 15:46	End CCC missing	YP\AJ	Not Ok
10	Q2487-10	Q2487-10	FE054691.D	03 Jul 2025 16:17	End CCC missing	YP\AJ	Not Ok
11	Q2487-11	Q2487-11	FE054692.D	03 Jul 2025 16:48	End CCC missing	YP\AJ	Not Ok
12	Q2487-12	Q2487-12	FE054693.D	03 Jul 2025 17:18	End CCC missing	YP\AJ	Not Ok

M : Manual Integration

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Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG061325AL

Review By	yogesh	Review On	6/13/2025 12:52:17 PM		
Supervise By	mohammad	Supervise On	6/17/2025 3:40:36 AM		
SubDirectory	FG061325AL	HP Acquire Method		HP Processing Method	FG061325AL

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	FG016069.D	13 Jun 2025 13:06		YP\AJ	Ok
2	I.BLK	I.BLK	FG016070.D	13 Jun 2025 13:35		YP\AJ	Ok
3	100 PPM ALIPHATIC H	100 PPM ALIPHATIC H	FG016071.D	13 Jun 2025 14:05		YP\AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FG016072.D	13 Jun 2025 14:34		YP\AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FG016073.D	13 Jun 2025 15:03		YP\AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FG016074.D	13 Jun 2025 15:33		YP\AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FG016075.D	13 Jun 2025 16:02		YP\AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FG016076.D	13 Jun 2025 16:31		YP\AJ	Ok
9	I.BLK	I.BLK	FG016077.D	13 Jun 2025 17:30		YP\AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FG016078.D	13 Jun 2025 18:00		YP\AJ	Ok

M : Manual Integration

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Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG062725AL

Review By	yogesh	Review On	6/27/2025 2:44:42 PM		
Supervise By	mohammad	Supervise On	6/30/2025 9:34:35 AM		
SubDirectory	FG062725AL	HP Acquire Method		HP Processing Method	FG061325AL

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	FG016146.D	27 Jun 2025 11:09		YP\AJ	Ok
2	I.BLK	I.BLK	FG016147.D	27 Jun 2025 11:39		YP\AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FG016148.D	27 Jun 2025 12:08		YP\AJ	Ok
4	PB168639BL	PB168639BL	FG016149.D	27 Jun 2025 12:40		YP\AJ	Ok
5	PB168639BS	PB168639BS	FG016150.D	27 Jun 2025 13:09	naphthalene break down - 0.533, 2-methylnephthalene break down - 0.466	YP\AJ	Ok
6	PB168639BSD	PB168639BSD	FG016151.D	27 Jun 2025 13:39	naphthalene break down - 0.544, 2-methylnephthalene break down - 0.461	YP\AJ	Ok
7	Q2418-01	VAC-TRUCK-4074	FG016152.D	27 Jun 2025 14:09	need 5x&100x&500x dilution	YP\AJ	Dilution
8	I.BLK	I.BLK	FG016153.D	27 Jun 2025 14:38		YP\AJ	Ok
9	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FG016154.D	27 Jun 2025 15:08		YP\AJ	Ok,M
10	PB168635BL	PB168635BL	FG016155.D	27 Jun 2025 15:37		YP\AJ	Not Ok
11	PB168635BS	PB168635BS	FG016156.D	27 Jun 2025 16:07		YP\AJ	Not Ok
12	PB168635BSD	PB168635BSD	FG016157.D	27 Jun 2025 16:36		YP\AJ	Not Ok
13	Q2430-01	MH-E/F	FG016158.D	27 Jun 2025 17:06		YP\AJ	Ok
14	Q2430-01D	Q2430-01D	FG016159.D	27 Jun 2025 17:36		YP\AJ	Ok
15	Q2430-01MS	MH-E/FMS	FG016160.D	27 Jun 2025 18:05	FG016158.D	YP\AJ	Ok
16	Q2430-01MSD	MH-E/FMSD	FG016161.D	27 Jun 2025 18:35	FG016158.D!FG016160.D	YP\AJ	Ok

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Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG062725AL

Review By	yogesh	Review On	6/27/2025 2:44:42 PM		
Supervise By	mohammad	Supervise On	6/30/2025 9:34:35 AM		
SubDirectory	FG062725AL	HP Acquire Method		HP Processing Method	FG061325AL

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	

17	Q2430-02	MH-E/F-EPH	FG016162.D	27 Jun 2025 19:04		YP\AJ	Ok
18	Q2418-01DL	VAC-TRUCK-4074DL	FG016163.D	27 Jun 2025 19:34	need further dilution	YP\AJ	Dilution
19	Q2418-01DL2	VAC-TRUCK-4074DL2	FG016164.D	27 Jun 2025 20:03	need further dilution	YP\AJ	Dilution
20	Q2418-01DL3	VAC-TRUCK-4074DL3	FG016165.D	27 Jun 2025 20:33	need further dilution	YP\AJ	Dilution
21	I.BLK	I.BLK	FG016166.D	27 Jun 2025 21:32		YP\AJ	Ok
22	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FG016167.D	27 Jun 2025 22:02		YP\AJ	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB168635

SOP ID:	MNJDEP-EPH-8				
Clean Up SOP #:	N/A			**Extraction Start Date :**	06/27/2025
Matrix :	Solid			**Extraction Start Time :**	08:30
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	06/27/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	12:45
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	1.0ML	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	EP2624
Sand	N/A	E2865
Hexane	N/A	E3947
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
6/27/25 12:50	RS (Ext Lab)	Y-P-PESTICIDES
	Preparation Group	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168635

Analytical Method: MNJDEP-EPH-8 **Concentration Date:** 06/27/2025

Sample ID	Client Sample ID	Test	g/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168635BL	PB168635BL	EPH_NF	30.01	N/A	ritesh	Evelyn	2			U6-1
PB168635BS	PB168635BS	EPH_NF	30.02	N/A	ritesh	Evelyn	2			2
PB168635BSD	PB168635BSD	EPH_NF	30.02	N/A	ritesh	Evelyn	2			3
Q2429-01	TP-4	EPH_NF	30.06	N/A	ritesh	Evelyn	2	E		4
Q2429-02	TP-4-EPH	EPH_NF	30.08	N/A	ritesh	Evelyn	2			5
Q2430-01	MH-E/F	EPH_NF	30.03	N/A	ritesh	Evelyn	2	E		6
Q2430-01DUP	MH-E/FDUP	EPH_NF	30.01	N/A	ritesh	Evelyn	2	E		U1-1
Q2430-01MS	MH-E/FMS	EPH_NF	30.05	N/A	ritesh	Evelyn	2	E		2
Q2430-01MSD	MH-E/FMSD	EPH_NF	30.04	N/A	ritesh	Evelyn	2	E		3
Q2430-02	MH-E/F-EPH	EPH_NF	30.07	N/A	ritesh	Evelyn	2			4
Q2431-01	S-1	EPH_NF	30.04	N/A	ritesh	Evelyn	2			5
Q2431-02	S-2	EPH_NF	30.06	N/A	ritesh	Evelyn	2			6
Q2431-03	S-3	EPH_NF	30.02	N/A	ritesh	Evelyn	2			U2-1
Q2431-04	S-4	EPH_NF	30.01	N/A	ritesh	Evelyn	2			2
Q2431-05	S-5	EPH_NF	30.04	N/A	ritesh	Evelyn	2			3

RS 6/27

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

Q2431 8:30

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2431 **WorkList ID :** 190431 **Department :** Extraction **Date :** 06-27-2025 08:25:23

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2429-01	TP-4	Solid	EPH_NF	Cool 4 deg C	PSEG03	A53	06/26/2025	NJEPH
Q2429-02	TP-4-EPH	Solid	EPH_NF	Cool 4 deg C	PSEG03	A53	06/26/2025	NJEPH
Q2430-01	MH-E/F	Solid	EPH_NF	Cool 4 deg C	PSEG03	A53	06/26/2025	NJEPH
Q2430-02	MH-E/F-EPH	Solid	EPH_NF	Cool 4 deg C	PSEG03	A53	06/26/2025	NJEPH
Q2431-01	S-1	Solid	EPH_NF	Cool 4 deg C	EARTH03	A61	06/25/2025	NJEPH
Q2431-02	S-2	Solid	EPH_NF	Cool 4 deg C	EARTH03	A61	06/25/2025	NJEPH
Q2431-03	S-3	Solid	EPH_NF	Cool 4 deg C	EARTH03	A61	06/25/2025	NJEPH
Q2431-04	S-4	Solid	EPH_NF	Cool 4 deg C	EARTH03	A61	06/25/2025	NJEPH
Q2431-05	S-5	Solid	EPH_NF	Cool 4 deg C	EARTH03	A61	06/25/2025	NJEPH

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Date/Time 06/27/25 8:25
Raw Sample Received by: RJ CLIENT-Lab
Raw Sample Relinquished by: CA SM

Date/Time 06/27/25 8:40
Raw Sample Received by: CA SM
Raw Sample Relinquished by: RJ CLIENT-Lab

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

LAB CHRONICLE

OrderID:	Q2431	**OrderDate:**	6/26/2025 12:47:00 PM
Client:	Earth Engineering Inc.	**Project:**	1710 N4 Ave
Contact:	Frank Dougherty, LSRP	**Location:**	A61

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2431-01	**S-1**	**Solid**			**06/25/25**			**06/26/25**
			EPH_NF	NJEPH		06/27/25	06/27/25	
Q2431-02	**S-2**	**Solid**			**06/25/25**			**06/26/25**
			EPH_NF	NJEPH		06/27/25	06/30/25	
Q2431-03	**S-3**	**Solid**			**06/25/25**			**06/26/25**
			EPH_NF	NJEPH		06/27/25	06/27/25	
Q2431-04	**S-4**	**Solid**			**06/25/25**			**06/26/25**
			EPH_NF	NJEPH		06/27/25	06/27/25	
Q2431-05	**S-5**	**Solid**			**06/25/25**			**06/26/25**
			EPH_NF	NJEPH		06/27/25	06/30/25	

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 · Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO. Q2431
QUOTE NO.
COC Number 2047489

6
6.1

CLIENT INFORMATION

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

CLIENT PROJECT INFORMATION

PROJECT NAME: 1710 N4 Ave
PROJECT NO.: 38550 LOCATION: NJ
PROJECT MANAGER: Frank Dougherty
e-mail: frankd@earthengineering.com
PHONE: FAX:

CLIENT BILLING INFORMATION

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

DATA TURNAROUND INFORMATION

FAX (RUSH) 3 DAYS*
HARDCOPY (DATA PACKAGE): 5 DAYS*
EDD: DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ EDD FORMAT
- ☐ Level 4 (QC + Full Raw Data)
- ☒ NJ Reduced
- ☐ US EPA CLP
- ☐ NYS ASP A
- ☐ NYS ASP B
- ☐ Other

ANALYSIS

EPH Category 1

ALLIANCE 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	6/25/25	8:10	1	X									
2.	S-2			X		8:35	1	X									
3.	S-3			X		9:15	1	X									
4.	S-4			X		9:45	1	X									
5.	S-5			X		10:20	1	X									
6.																	
7.																	
8.																	
9.																	
10.																	

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	1240 6/26/25	1.
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 5.6 °C
Comments:

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CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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

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