



SAMPLE DATA

Report of Analysis

Client:	G Environmental	Date Collected:	04/04/25
Project:	Stockton	Date Received:	04/04/25
Client Sample ID:	GST1	SDG No.:	Q1736
Lab Sample ID:	Q1736-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	78.6
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
04/07/25 09:40	04/08/25 9:30	PB167477

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	119		2	2.32	10.2	mg/kg	FC068510.D
Total EPH	Total EPH	119			2.32	10.2	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C28 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C28 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

Report of Analysis

Client:	G Environmental	Date Collected:	04/04/25
Project:	Stockton	Date Received:	04/04/25
Client Sample ID:	GST1	SDG No.:	Q1736
Lab Sample ID:	Q1736-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	78.6
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_F2

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068504.D	1	04/07/25	04/07/25	PB167477

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	110	E	1.16	5.08	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	579	E	1.50	2.54	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.3		40 - 140	59%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	24.7		40 - 140	49%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1736-01	Acq On:	07 Apr 2025 18:45
Client Sample ID:	GST1	Operator:	YP/AJ
Data file:	FC068504.D	Misc:	
Instrument:	FID_C	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.349	6.652	2561760	22.54	300	ug/ml
Aliphatic C12-C16	6.653	10.053	4257325	37.687	200	ug/ml
Aliphatic C16-C21	10.054	13.420	11507056	104.388	300	ug/ml
Aliphatic C21-C28	13.421	17.087	124436506	1130	400	ug/ml
Aliphatic C28-C40	17.088	22.097	556531624	6840	600	ug/ml
Aliphatic EPH	3.349	22.097	699294271	8130		ug/ml
ortho-Terphenyl (SURR)	11.725	11.725	3188741	24.73		ug/ml
1-chlorooctadecane (SURR)	13.159	13.159	2696785	29.32		ug/ml
Aliphatic C9-C28	3.349	17.087	142762647	1290	1200	ug/ml

Report of Analysis

Client:	G Environmental	Date Collected:	04/04/25
Project:	Stockton	Date Received:	04/04/25
Client Sample ID:	GST1DL	SDG No.:	Q1736
Lab Sample ID:	Q1736-01DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	78.6
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068510.D	2	04/07/25	04/08/25	PB167477

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	119		2.32	10.2	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	606	E	3.00	5.08	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	14.8		40 - 140	59%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	12.4		40 - 140	49%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1736-01DL	Acq On:	08 Apr 2025 09:30
Client Sample ID:	GST1DL	Operator:	YP/AJ
Data file:	FC068510.D	Misc:	
Instrument:	FID_C	ALS Vial:	11
Dilution Factor:	2	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.349	6.653	1320353	11.617	300	ug/ml
Aliphatic C12-C16	6.654	10.055	2155348	19.08	200	ug/ml
Aliphatic C16-C21	10.056	13.422	6460622	58.608	300	ug/ml
Aliphatic C21-C28	13.423	17.087	67890917	615.253	400	ug/ml
Aliphatic C28-C40	17.088	22.094	291387982	3580	600	ug/ml
Aliphatic EPH	3.349	22.094	369215222	4280		ug/ml
ortho-Terphenyl (SURR)	11.722	11.722	1595521	12.37		ug/ml
1-chlorooctadecane (SURR)	13.156	13.156	1366124	14.85		ug/ml
Aliphatic C9-C28	3.349	17.087	77827240	704.558	1200	ug/ml

Report of Analysis

Client:	G Environmental	Date Collected:	04/04/25
Project:	Stockton	Date Received:	04/04/25
Client Sample ID:	GST2	SDG No.:	Q1736
Lab Sample ID:	Q1736-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	80.5
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
04/07/25 09:40	04/07/25 16:52	PB167477

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	4.51	J	1	1.13	4.97	mg/kg	FC068501.D
Total EPH	Total EPH	4.51	J		1.13	4.97	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C28 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C28 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

Report of Analysis

Client:	G Environmental	Date Collected:	04/04/25
Project:	Stockton	Date Received:	04/04/25
Client Sample ID:	GST2	SDG No.:	Q1736
Lab Sample ID:	Q1736-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	80.5
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068501.D	1	04/07/25	04/07/25	PB167477

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	4.51	J	1.13	4.97	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	14.2		1.47	2.48	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	45.3		40 - 140	91%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	43.2		40 - 140	86%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1736-02	Acq On:	07 Apr 2025 16:52
Client Sample ID:	GST2	Operator:	YP/AJ
Data file:	FC068501.D	Misc:	
Instrument:	FID_C	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.349	6.652	476224	4.19	300	ug/ml
Aliphatic C12-C16	6.653	10.053	1030185	9.119	200	ug/ml
Aliphatic C16-C21	10.054	13.420	1923758	17.452	300	ug/ml
Aliphatic C21-C28	13.421	17.087	2628535	23.821	400	ug/ml
Aliphatic C28-C40	17.088	22.097	13959959	171.449	600	ug/ml
Aliphatic EPH	3.349	22.097	20018661	226.031		ug/ml
ortho-Terphenyl (SURR)	11.726	11.726	5571738	43.21		ug/ml
1-chlorooctadecane (SURR)	13.158	13.158	4166783	45.3		ug/ml
Aliphatic C9-C28	3.349	17.087	6058702	54.582	1200	ug/ml



QC SUMMARY

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: GENV01
Lab Code: CHEM CASE No.: Q1736 SAS No.: Q1736 SDG No.: Q1736
Run Number: FC040725AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
PB167477BL	78	74		0
PB167477BS	83	78		0
PB167477BSD	84	78		0
GST1	59	49		0
GST2	91	86		0
GST2MS	86	80		0
GST2MSD	85	79		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

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: GENV01
Lab Code: CHEM CASE No.: Q1736 SAS No.: Q1736 SDG No.: Q1736
Run Number: FC040825AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
GST1DL	59	49		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

A
B
C
D
E
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G
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J

SOIL EPH SURROGATE RECOVERY

A
B
C
D
E
F
G
H
I
J

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

SOLID EPH_F2 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** G Environmental

Lab Code: CHEM **Cas No:** Q1736 **SAS No :** Q1736 **SDG No:** Q1736

Sample No : Q1736-02MS **Datafile:** FC068502.D

Client ID : GST2MS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C28-C40	37.2	14.2	56.5	113		(40-140)
Aliphatic C9-C28	124.1	4.51	111	86		(40-140)

SOLID EPH_F2 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** G Environmental

Lab Code: CHEM **Cas No:** Q1736 **SAS No :** Q1736 **SDG No:** Q1736

Sample No : Q1736-02MSD **Datafile:** FC068503.D

Client ID : GST2MSD

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	37.2	14.2	56.9	114		0.88 (40-140) 25
Aliphatic C9-C28	124.1	4.51	108	84		2.6 (40-140) 25

SOLID EPH_F2 LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** G Environmental
Lab Code: CHEM **Cas No:** Q1736 **SAS No :** Q1736 **SDG No:** Q1736
Sample No : PB167477BS **Datafile:** FC068499.D
Client ID : PB167477BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C28-C40	30.0	26.7	89		(40-140)
Aliphatic C9-C28	99.9	82.4	83		(40-140)

A
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J

SOLID EPH_F2 LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** G Environmental

Lab Code: CHEM **Cas No:** Q1736 **SAS No :** Q1736 **SDG No:** Q1736

Sample No : PB167477BSD **Datafile:** FC068500.D

Client ID : PB167477BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS	QC Limit Of RPD
Aliphatic C28-C40	30.0	25.5	85		4.6 (40-140)	50
Aliphatic C9-C28	99.9	82.1	82		0.465 (40-140)	50

4B
METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167477BL

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM Case No.: Q1736

SAS No.: Q1736 SDG NO.: Q1736

Instrument ID: FID_C

Lab Sample ID: PB167477BL

Matrix: (soil/water) Solid

Date Extracted: 4/7/2025 9:40:00 AM

Level: (low/med) low

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

EPA SAMPLE NO.	LAB SAMPLE ID
PB167477BS	PB167477BS
PB167477BSD	PB167477BSD
GST1	Q1736-01
GST2	Q1736-02
GST2MS	Q1736-02MS
GST2MSD	Q1736-02MSD

COMMENTS: _____



QC SAMPLE DATA

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	PB167477BL	SDG No.:	Q1736
Lab Sample ID:	PB167477BL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
04/07/25 09:40	04/07/25 15:00	PB167477

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	0.91	U	1	0.91	4.00	mg/kg	FC068498.D
Total EPH	Total EPH	0.91	U		0.91	4.00	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C28 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C28 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

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D = Dilution

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	PB167477BL	SDG No.:	Q1736
Lab Sample ID:	PB167477BL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068498.D	1	04/07/25	04/07/25	PB167477

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)	38.8		40 - 140	78%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	36.8		40 - 140	74%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB167477BL	Acq On:	07 Apr 2025 15:00
Client Sample ID:	PB167477BL	Operator:	YP/AJ
Data file:	FC068498.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	3.349	6.652	0	0	300	ug/ml
Aliphatic C12-C16	6.653	10.053	0	0	200	ug/ml
Aliphatic C16-C21	10.054	13.420	0	0	300	ug/ml
Aliphatic C21-C28	13.421	17.087	0	0	400	ug/ml
Aliphatic C28-C40	17.088	22.097	0	0	600	ug/ml
Aliphatic EPH	3.349	22.097	0	0		ug/ml
ortho-Terphenyl (SURR)	11.726	11.726	4743922	36.79		ug/ml
1-chlorooctadecane (SURR)	13.157	13.157	3572616	38.84		ug/ml
Aliphatic C9-C28	3.349	17.087	0	0	1200	ug/ml

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	PB167477BS	SDG No.:	Q1736
Lab Sample ID:	PB167477BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
04/07/25 09:40	04/07/25 15:38	PB167477

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	82.4	E	1	0.91	3.99	mg/kg	FC068499.D
Total EPH	Total EPH	82.4			0.91	3.99	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C28 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C28 concentration for the sample is reported as the Total EPH.

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N = Presumptive Evidence of a Compound

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D = Dilution

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Stockton		Date Received:	
Client Sample ID:	PB167477BS		SDG No.:	Q1736
Lab Sample ID:	PB167477BS		Matrix:	Solid
Analytical Method:	NJEPH		% Solid:	100
Sample Wt/Vol:	30.02	Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:		uL	Test:	EPH_F2
Prep Method :				

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068499.D	1	04/07/25	04/07/25	PB167477

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	82.4	E	0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	26.7		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	41.6		40 - 140	83%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	38.9		40 - 140	78%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB167477BS	Acq On:	07 Apr 2025 15:38
Client Sample ID:	PB167477BS	Operator:	YP/AJ
Data file:	FC068499.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	3.349	6.652	25085090	220.711	300	ug/ml
Aliphatic C12-C16	6.653	10.053	31632981	280.021	200	ug/ml
Aliphatic C16-C21	10.054	13.420	36406234	330.264	300	ug/ml
Aliphatic C21-C28	13.421	17.087	44723519	405.302	400	ug/ml
Aliphatic C28-C40	17.088	22.097	32657686	401.085	600	ug/ml
Aliphatic EPH	3.349	22.097	170505510	1640		ug/ml
ortho-Terphenyl (SURR)	11.723	11.723	5017440	38.91		ug/ml
1-chlorooctadecane (SURR)	13.155	13.155	3829400	41.63		ug/ml
Aliphatic C9-C28	3.349	17.087	137847824	1240	1200	ug/ml

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	PB167477BSD	SDG No.:	Q1736
Lab Sample ID:	PB167477BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
04/07/25 09:40	04/07/25 16:15	PB167477

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	82.1	E	1	0.91	3.99	mg/kg	FC068500.D
Total EPH	Total EPH	82.1			0.91	3.99	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C28 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C28 concentration for the sample is reported as the Total EPH.

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MDL = Method Detection Limit

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	PB167477BSD	SDG No.:	Q1736
Lab Sample ID:	PB167477BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068500.D	1	04/07/25	04/07/25	PB167477

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	82.1	E	0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	25.5		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	42.0		40 - 140	84%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	38.9		40 - 140	78%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB167477BSD	Acq On:	07 Apr 2025 16:15
Client Sample ID:	PB167477BSD	Operator:	YP/AJ
Data file:	FC068500.D	Misc:	
Instrument:	FID_C	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.349	6.652	24828638	218.454	300	ug/ml
Aliphatic C12-C16	6.653	10.053	31458596	278.477	200	ug/ml
Aliphatic C16-C21	10.054	13.420	36281862	329.135	300	ug/ml
Aliphatic C21-C28	13.421	17.087	44757186	405.607	400	ug/ml
Aliphatic C28-C40	17.088	22.097	31223292	383.469	600	ug/ml
Aliphatic EPH	3.349	22.097	168549574	1620		ug/ml
ortho-Terphenyl (SURR)	11.726	11.726	5016735	38.9		ug/ml
1-chlorooctadecane (SURR)	13.157	13.157	3861482	41.98		ug/ml
Aliphatic C9-C28	3.349	17.087	137326282	1230	1200	ug/ml

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	GST2MS	SDG No.:	Q1736
Lab Sample ID:	Q1736-02MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	80.5
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_F2

Prep Date :	Date Analyzed :	Prep Batch ID
04/07/25 09:40	04/07/25 17:30	PB167477

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	111	E	1	1.13	4.96	mg/kg	FC068502.D
Total EPH	Total EPH	111			1.13	4.96	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C28 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C28 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

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Stockton		Date Received:	
Client Sample ID:	GST2MS		SDG No.:	Q1736
Lab Sample ID:	Q1736-02MS		Matrix:	Solid
Analytical Method:	NJEPH		% Solid:	80.5
Sample Wt/Vol:	30.05	Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:		uL	Test:	EPH_F2
Prep Method :				

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068502.D	1	04/07/25	04/07/25	PB167477

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	111	E	1.13	4.96	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	56.5	E	1.46	2.48	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	42.9		40 - 140	86%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	39.9		40 - 140	80%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1736-02MS	Acq On:	07 Apr 2025 17:30
Client Sample ID:	GST2MS	Operator:	YP/AJ
Data file:	FC068502.D	Misc:	
Instrument:	FID_C	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.349	6.652	27436774	241.402	300	ug/ml
Aliphatic C12-C16	6.653	10.053	35128627	310.965	200	ug/ml
Aliphatic C16-C21	10.054	13.420	40249527	365.128	300	ug/ml
Aliphatic C21-C28	13.421	17.087	47368512	429.271	400	ug/ml
Aliphatic C28-C40	17.088	22.097	55673647	683.756	600	ug/ml
Aliphatic EPH	3.349	22.097	205857087	2030		ug/ml
ortho-Terphenyl (SURR)	11.727	11.727	5146164	39.91		ug/ml
1-chlorooctadecane (SURR)	13.158	13.158	3943089	42.86		ug/ml
Aliphatic C9-C28	3.349	17.087	150183440	1350	1200	ug/ml

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	GST2MSD	SDG No.:	Q1736
Lab Sample ID:	Q1736-02MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	80.5
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
04/07/25 09:40	04/07/25 18:08	PB167477

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	109	E	1	1.13	4.96	mg/kg	FC068503.D
Total EPH	Total EPH	109			1.13	4.96	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C28 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C28 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

Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Stockton		Date Received:		
Client Sample ID:	GST2MSD		SDG No.:	Q1736	
Lab Sample ID:	Q1736-02MSD		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	80.5	
Sample Wt/Vol:	30.04	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_F2	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068503.D	1	04/07/25	04/07/25	PB167477

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	109	E	1.13	4.96	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	56.9	E	1.46	2.48	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	42.3		40 - 140	85%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	39.3		40 - 140	79%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1736-02MSD	Acq On:	07 Apr 2025 18:08
Client Sample ID:	GST2MSD	Operator:	YP/AJ
Data file:	FC068503.D	Misc:	
Instrument:	FID_C	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.349	6.652	26521674	233.35	300	ug/ml
Aliphatic C12-C16	6.653	10.053	33962049	300.638	200	ug/ml
Aliphatic C16-C21	10.054	13.420	39116334	354.849	300	ug/ml
Aliphatic C21-C28	13.421	17.087	46787993	424.011	400	ug/ml
Aliphatic C28-C40	17.088	22.097	56036693	688.215	600	ug/ml
Aliphatic EPH	3.349	22.097	202424743	2000		ug/ml
ortho-Terphenyl (SURR)	11.727	11.727	5069084	39.31		ug/ml
1-chlorooctadecane (SURR)	13.159	13.159	3889005	42.28		ug/ml
Aliphatic C9-C28	3.349	17.087	146388050	1310	1200	ug/ml



CALIBRATION SUMMARY

Initial Calibration Report for SequenceID : FC040225AL

AreaCount

Parameter Range	FC068487.D	FC068488.D	FC068489.D	FC068490.D	FC068491.D	
Aliphatic C9-C12	31367127.000	16130027.000	6778558.000	3641705.000	1827350.000	
Aliphatic C12-C16	20853084.000	10782879.000	4521531.000	2435718.000	1179147.000	
Aliphatic C16-C21	30321517.000	15706100.000	6611532.000	3549560.000	1753192.000	
Aliphatic C21-C28	39460175.000	19791819.000	8362333.000	4426042.000	2778833.000	
Aliphatic C28-C40	48104700.000	23485614.000	9405447.000	4618163.000	2799253.000	
Aliphatic EPH	170106603.000	85896439.000	35679401.000	18671188.000	10337775.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	113656.0139996	6.918				
Aliphatic C12-C16	112966.617	6.328				
Aliphatic C16-C21	110233.8779996	6.789				
Aliphatic C21-C28	110346.279	15.151				
Aliphatic C28-C40	81423.2843332	8.279				
Aliphatic EPH	101529.318444	8.166				

Concentration

Parameter Range	FC068487.D	FC068488.D	FC068489.D	FC068490.D	FC068491.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	FC068487.D	FC068488.D	FC068489.D	FC068490.D	FC068491.D	
Aliphatic C9-C12	104557.090000	107533.513333	112975.966666	121390.166666	121823.333333	
Aliphatic C12-C16	104265.420000	107828.790000	113038.275000	121785.900000	117914.700000	
Aliphatic C16-C21	101071.723333	104707.333333	110192.200000	118318.666666	116879.466666	

Initial Calibration Report for SequenceID : FC040225AL

Aliphatic C21-C28	98650.437500	98959.095000	104529.162500	110651.050000	138941.650000	
Aliphatic C28-C40	80174.500000	78285.380000	78378.725000	76969.383333	93308.433333	
Aliphatic EPH	94503.668333	95440.487777	99109.447222	103728.822222	114864.166666	

Continuing Calibration Report for SequenceID : FC040725AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FC068497.D

Aliphatic C9-C12	6682131.000	60.000	3.349	6.652	111368.850	113656.014	2.012
Aliphatic C12-C16	4492250.000	40.000	6.653	10.053	112306.250	112966.617	0.585
Aliphatic C16-C21	6578642.000	60.000	10.054	13.420	109644.033	110233.878	0.535
Aliphatic C21-C28	8495195.000	80.000	13.421	17.087	106189.938	110346.279	3.767
Aliphatic C28-C40	9408552.000	120.000	17.088	22.097	78404.600	81423.284	3.707
Aliphatic EPH	35656770.000	360.000	3.349	22.097	99046.583	101529.318	2.445

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	07 Apr 2025 14:23
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068497.D	Misc:	
Instrument:	FID_C	ALS Vial:	10
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.349	6.652	6682131.000	60.000	ug/ml
Aliphatic C12-C16	6.653	10.053	4492250.000	40.000	ug/ml
Aliphatic C16-C21	10.054	13.420	6578642.000	60.000	ug/ml
Aliphatic C21-C28	13.421	17.087	8495195.000	80.000	ug/ml
Aliphatic C28-C40	17.088	22.097	9408552.000	120.000	ug/ml
Aliphatic EPH	3.349	22.097	35656770.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FC040725AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FC068506.D

Aliphatic C9-C12	7148989.000	60.000	3.349	6.652	119149.817	113656.014	-4.834
Aliphatic C12-C16	4796745.000	40.000	6.653	10.053	119918.625	112966.617	-6.154
Aliphatic C16-C21	6987395.000	60.000	10.054	13.420	116456.583	110233.878	-5.645
Aliphatic C21-C28	8925778.000	80.000	13.421	17.087	111572.225	110346.279	-1.111
Aliphatic C28-C40	9592709.000	120.000	17.088	22.097	79939.242	81423.284	1.823
Aliphatic EPH	37451616.000	360.000	3.349	22.097	104032.267	101529.318	-2.465

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	07 Apr 2025 21:15
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068506.D	Misc:	
Instrument:	FID_C	ALS Vial:	10
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.349	6.652	7148989.000	60.000	ug/ml
Aliphatic C12-C16	6.653	10.053	4796745.000	40.000	ug/ml
Aliphatic C16-C21	10.054	13.420	6987395.000	60.000	ug/ml
Aliphatic C21-C28	13.421	17.087	8925778.000	80.000	ug/ml
Aliphatic C28-C40	17.088	22.097	9592709.000	120.000	ug/ml
Aliphatic EPH	3.349	22.097	37451616.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FC040825AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FC068509.D

Aliphatic C9-C12	7037737.000	60.000	3.349	6.653	117295.617	113656.014	-3.202
Aliphatic C12-C16	4773823.000	40.000	6.654	10.055	119345.575	112966.617	-5.647
Aliphatic C16-C21	7017670.000	60.000	10.056	13.422	116961.167	110233.878	-6.103
Aliphatic C21-C28	9090037.000	80.000	13.423	17.087	113625.463	110346.279	-2.972
Aliphatic C28-C40	9806940.000	120.000	17.088	22.094	81724.500	81423.284	-0.370
Aliphatic EPH	37726207.000	360.000	3.349	22.094	104795.019	101529.318	-3.217

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	08 Apr 2025 08:52
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068509.D	Misc:	
Instrument:	FID_C	ALS Vial:	10
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.349	6.653	7037737.000	60.000	ug/ml
Aliphatic C12-C16	6.654	10.055	4773823.000	40.000	ug/ml
Aliphatic C16-C21	10.056	13.422	7017670.000	60.000	ug/ml
Aliphatic C21-C28	13.423	17.087	9090037.000	80.000	ug/ml
Aliphatic C28-C40	17.088	22.094	9806940.000	120.000	ug/ml
Aliphatic EPH	3.349	22.094	37726207.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FC040825AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FC068512.D

Aliphatic C9-C12	7222772.000	60.000	3.349	6.653	120379.533	113656.014	-5.916
Aliphatic C12-C16	4679529.000	40.000	6.654	10.055	116988.225	112966.617	-3.560
Aliphatic C16-C21	6686553.000	60.000	10.056	13.422	111442.550	110233.878	-1.096
Aliphatic C21-C28	8623503.000	80.000	13.423	17.087	107793.788	110346.279	2.313
Aliphatic C28-C40	9762172.000	120.000	17.088	22.094	81351.433	81423.284	0.088
Aliphatic EPH	36974529.000	360.000	3.349	22.094	102707.025	101529.318	-1.160

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	08 Apr 2025 11:24
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068512.D	Misc:	
Instrument:	FID_C	ALS Vial:	10
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.349	6.653	7222772.000	60.000	ug/ml
Aliphatic C12-C16	6.654	10.055	4679529.000	40.000	ug/ml
Aliphatic C16-C21	10.056	13.422	6686553.000	60.000	ug/ml
Aliphatic C21-C28	13.423	17.087	8623503.000	80.000	ug/ml
Aliphatic C28-C40	17.088	22.094	9762172.000	120.000	ug/ml
Aliphatic EPH	3.349	22.094	36974529.000	360.000	ug/ml



SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040725AL\
Data File : FC068504.D
Signal(s) : FID1A.ch
Acq On : 07 Apr 2025 18:45
Operator : YP/AJ
Sample : Q1736-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
GST1

Integration File: autoint1.e
Quant Time: Apr 08 02:36:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040225.M
Quant Title : GC Extractables
QLast Update : Mon Apr 07 16:09:59 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)	11.725	3188741	24.728 ug/ml
Spiked Amount	50.000	Recovery	= 49.46%
12) S 1-chlorooctadecane (S...	13.159	2696785	29.316 ug/ml
Spiked Amount	50.000	Recovery	= 58.63%

Target Compounds

(f)=RT Delta > 1/2 Window

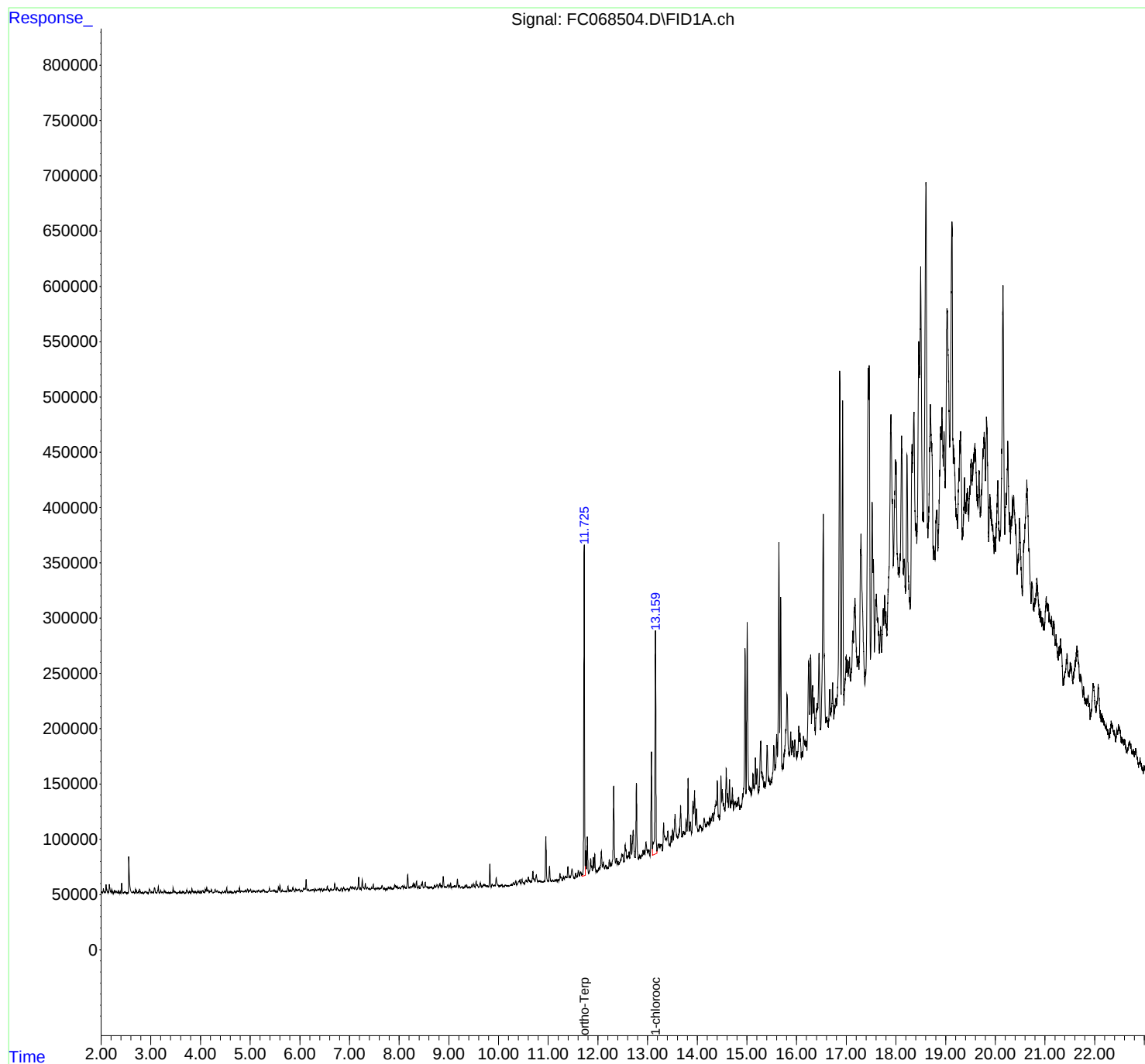
(m)=manual int.

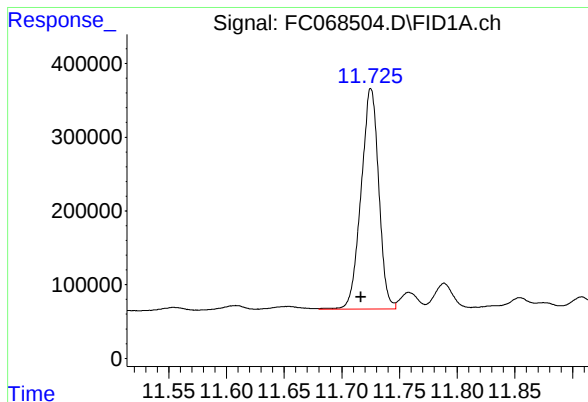
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040725AL\
Data File : FC068504.D
Signal(s) : FID1A.ch
Acq On : 07 Apr 2025 18:45
Operator : YP/AJ
Sample : Q1736-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
GST1

Integration File: autoint1.e
Quant Time: Apr 08 02:36:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040225.M
Quant Title : GC Extractables
QLast Update : Mon Apr 07 16:09:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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

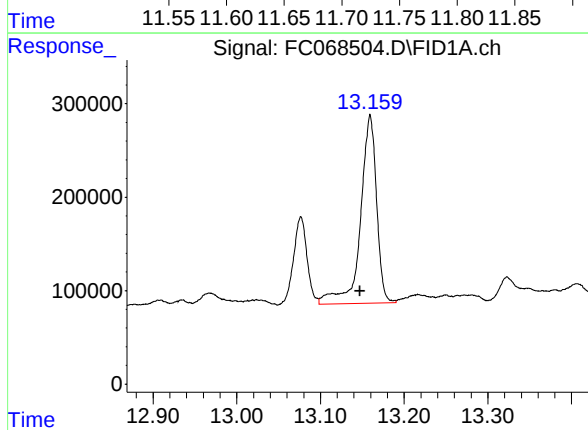




#9 ortho-Terphenyl (SURR)

R.T.: 11.725 min
Delta R.T.: 0.009 min
Response: 3188741
Conc: 24.73 ug/ml

Instrument :
FID_C
ClientSampleId :
GST1



#12 1-chlorooctadecane (SURR)

R.T.: 13.159 min
Delta R.T.: 0.012 min
Response: 2696785
Conc: 29.32 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040725AL\
 Data File : FC068504.D
 Signal(s) : FID1A.ch
 Acq On : 07 Apr 2025 18:45
 Sample : Q1736-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040225.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	2.352	2.304	2.371	BV	1922	5613	0.02%	0.001%
2	2.385	2.371	2.396	PV	1014	7389	0.03%	0.001%
3	2.414	2.396	2.441	VV	8897	82084	0.28%	0.012%
4	2.482	2.441	2.514	VV	1198	18763	0.06%	0.003%
5	2.559	2.514	2.634	PV	31596	350015	1.21%	0.050%
6	2.646	2.634	2.672	VV	1737	21988	0.08%	0.003%
7	2.695	2.672	2.706	VV	3393	33376	0.11%	0.005%
8	2.710	2.706	2.728	VV	2378	16982	0.06%	0.002%
9	2.750	2.728	2.761	VV	1440	14813	0.05%	0.002%
10	2.777	2.761	2.864	VV	3587	50674	0.17%	0.007%
11	2.883	2.864	2.893	VV	1528	16312	0.06%	0.002%
12	2.903	2.893	2.954	VV	1613	17996	0.06%	0.003%
13	2.970	2.954	3.002	VV	3692	57102	0.20%	0.008%
14	3.018	3.002	3.028	VV	881	11394	0.04%	0.002%
15	3.039	3.028	3.053	VV	929	11537	0.04%	0.002%
16	3.075	3.053	3.120	VV	4853	79912	0.28%	0.011%
17	3.151	3.120	3.174	VV	6300	70512	0.24%	0.010%
18	3.200	3.174	3.220	VV	2671	33454	0.12%	0.005%
19	3.234	3.220	3.251	VV	1208	13564	0.05%	0.002%
20	3.272	3.251	3.287	VV	2315	32155	0.11%	0.005%
21	3.298	3.287	3.315	VV	1833	17706	0.06%	0.003%
22	3.329	3.315	3.369	VV	706	16280	0.06%	0.002%
23	3.389	3.369	3.412	VV	563	10177	0.04%	0.001%
24	3.449	3.412	3.463	VV	4963	49752	0.17%	0.007%
25	3.474	3.463	3.532	VV	2115	32786	0.11%	0.005%
26	3.554	3.532	3.567	PV	939	9122	0.03%	0.001%
27	3.581	3.567	3.595	VV	1294	14174	0.05%	0.002%
28	3.605	3.595	3.619	VV	846	8801	0.03%	0.001%
29	3.653	3.619	3.686	VV	1556	29617	0.10%	0.004%
30	3.727	3.686	3.757	VV	2716	48010	0.17%	0.007%
31	3.780	3.757	3.801	VV	1351	21760	0.07%	0.003%
32	3.828	3.801	3.850	VV	4308	52522	0.18%	0.007%
33	3.863	3.850	3.877	VV	1766	21353	0.07%	0.003%
34	3.900	3.877	3.917	VV	1809	29326	0.10%	0.004%
35	3.926	3.917	3.936	VV	837	7528	0.03%	0.001%
36	3.952	3.936	3.986	VV	2428	33494	0.12%	0.005%

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37	4.003	3.986	4.017	VV	1254	11756	0.04%	0.002%
38	4.038	4.017	4.080	VV	2423	48575	0.17%	0.007%
39	4.098	4.080	4.111	VV	3533	36941	0.13%	0.005%
40	4.126	4.111	4.144	VV	5054	62225	0.21%	0.009%
41	4.154	4.144	4.177	VV	2923	37838	0.13%	0.005%
42	4.191	4.177	4.203	VV	1717	22136	0.08%	0.003%
43	4.222	4.203	4.247	VV	3221	43288	0.15%	0.006%
44	4.294	4.247	4.318	VV	3415	56269	0.19%	0.008%
45	4.335	4.318	4.363	VV	2276	37170	0.13%	0.005%
46	4.375	4.363	4.417	VV	955	18620	0.06%	0.003%
47	4.447	4.417	4.468	PV	1309	20483	0.07%	0.003%
48	4.489	4.468	4.508	VV	1628	24674	0.09%	0.003%
49	4.528	4.508	4.558	VV	4810	55980	0.19%	0.008%
50	4.575	4.558	4.589	VV	1658	17107	0.06%	0.002%
51	4.603	4.589	4.617	VV	1281	13610	0.05%	0.002%
52	4.633	4.617	4.663	VV	744	12820	0.04%	0.002%
53	4.685	4.663	4.716	VV	1465	25147	0.09%	0.004%
54	4.734	4.716	4.745	VV	1914	22801	0.08%	0.003%
55	4.753	4.745	4.771	VV	1477	19513	0.07%	0.003%
56	4.784	4.771	4.802	VV	4442	41680	0.14%	0.006%
57	4.818	4.802	4.828	VV	1842	18656	0.06%	0.003%
58	4.838	4.828	4.854	VV	1589	18891	0.07%	0.003%
59	4.865	4.854	4.876	VV	1469	13767	0.05%	0.002%
60	4.907	4.876	4.927	VV	2495	43217	0.15%	0.006%
61	4.947	4.927	4.967	VV	3382	47426	0.16%	0.007%
62	4.982	4.967	4.994	VV	1619	22579	0.08%	0.003%
63	5.011	4.994	5.031	VV	3039	38570	0.13%	0.005%
64	5.061	5.031	5.113	VV	1370	43154	0.15%	0.006%
65	5.141	5.113	5.155	VV	1900	24894	0.09%	0.004%
66	5.170	5.155	5.199	VV	2210	34603	0.12%	0.005%
67	5.229	5.199	5.241	VV	1579	24736	0.09%	0.004%
68	5.256	5.241	5.265	VV	2347	22650	0.08%	0.003%
69	5.275	5.265	5.320	VV	2275	35492	0.12%	0.005%
70	5.342	5.320	5.355	PV	515	6654	0.02%	0.001%
71	5.389	5.355	5.421	VV	3373	53517	0.18%	0.008%
72	5.437	5.421	5.450	VV	1128	15761	0.05%	0.002%
73	5.468	5.450	5.484	VV	2083	26670	0.09%	0.004%
74	5.499	5.484	5.551	VV	1190	23104	0.08%	0.003%
75	5.571	5.551	5.586	VV	4764	52795	0.18%	0.007%
76	5.601	5.586	5.626	VV	6145	68169	0.23%	0.010%
77	5.643	5.626	5.684	VV	1716	26776	0.09%	0.004%
78	5.729	5.684	5.737	VV	629	16304	0.06%	0.002%
79	5.762	5.737	5.781	VV	5172	62596	0.22%	0.009%
80	5.791	5.781	5.799	VV	1146	10536	0.04%	0.001%
81	5.815	5.799	5.835	VV	1435	23049	0.08%	0.003%
82	5.858	5.835	5.901	VV	3608	70461	0.24%	0.010%
83	5.919	5.901	5.934	VV	2340	29248	0.10%	0.004%
84	5.947	5.934	5.959	VV	1811	22671	0.08%	0.003%
85	5.987	5.959	6.011	VV	2151	44573	0.15%	0.006%
86	6.029	6.011	6.054	PV	1645	22245	0.08%	0.003%
87	6.080	6.054	6.094	VV	3329	47853	0.16%	0.007%
88	6.128	6.094	6.151	VV	11163	144680	0.50%	0.020%
89	6.172	6.151	6.190	VV	1909	29384	0.10%	0.004%

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90	6.232	6.190	6.247	VV	1926	39404	0.14%	0.006%
91	6.271	6.247	6.291	VV	1945	37037	0.13%	0.005%
92	6.317	6.291	6.333	VV	1771	32407	0.11%	0.005%
93	6.372	6.333	6.384	VV	1817	42242	0.15%	0.006%
94	6.400	6.384	6.418	VV	2649	35262	0.12%	0.005%
95	6.438	6.418	6.458	VV	2479	33574	0.12%	0.005%
96	6.487	6.458	6.505	VV	1914	35328	0.12%	0.005%
97	6.517	6.505	6.532	VV	1564	21115	0.07%	0.003%
98	6.553	6.532	6.569	VV	4696	55681	0.19%	0.008%
99	6.578	6.569	6.604	VV	1594	20031	0.07%	0.003%
100	6.625	6.604	6.641	PV	2255	26943	0.09%	0.004%
101	6.655	6.641	6.664	VV	1130	14896	0.05%	0.002%
102	6.703	6.664	6.725	VV	6820	97114	0.33%	0.014%
103	6.754	6.725	6.804	VV	3166	66716	0.23%	0.009%
104	6.832	6.804	6.856	VV	2479	38578	0.13%	0.005%
105	6.883	6.856	6.911	VV	2612	53560	0.18%	0.008%
106	6.959	6.911	6.981	VV	1922	53091	0.18%	0.008%
107	7.023	6.981	7.039	VV	2808	64393	0.22%	0.009%
108	7.056	7.039	7.076	VV	3370	60963	0.21%	0.009%
109	7.086	7.076	7.100	VV	2670	32217	0.11%	0.005%
110	7.117	7.100	7.145	VV	3375	56012	0.19%	0.008%
111	7.185	7.145	7.206	VV	11970	145760	0.50%	0.021%
112	7.219	7.206	7.238	VV	2151	30015	0.10%	0.004%
113	7.258	7.238	7.301	VV	9556	140243	0.48%	0.020%
114	7.320	7.301	7.339	VV	6057	69421	0.24%	0.010%
115	7.361	7.339	7.384	VV	2702	50476	0.17%	0.007%
116	7.394	7.384	7.424	VV	1354	24341	0.08%	0.003%
117	7.446	7.424	7.457	VV	2004	27637	0.10%	0.004%
118	7.479	7.457	7.516	VV	5196	81971	0.28%	0.012%
119	7.534	7.516	7.553	VV	1705	26852	0.09%	0.004%
120	7.574	7.553	7.592	VV	1744	33188	0.11%	0.005%
121	7.619	7.592	7.631	VV	1520	30658	0.11%	0.004%
122	7.656	7.631	7.694	VV	4055	85305	0.29%	0.012%
123	7.708	7.694	7.728	VV	1191	17448	0.06%	0.002%
124	7.746	7.728	7.758	VV	721	9381	0.03%	0.001%
125	7.782	7.758	7.801	VV	2531	40035	0.14%	0.006%
126	7.822	7.801	7.861	VV	2433	51416	0.18%	0.007%
127	7.910	7.861	7.949	VV	4199	114360	0.39%	0.016%
128	7.959	7.949	7.984	VV	2351	36579	0.13%	0.005%
129	8.002	7.984	8.021	VV	2135	31753	0.11%	0.004%
130	8.067	8.021	8.085	VV	3359	81649	0.28%	0.012%
131	8.102	8.085	8.145	VV	3337	66425	0.23%	0.009%
132	8.172	8.145	8.196	VV	13215	184879	0.64%	0.026%
133	8.205	8.196	8.218	VV	1664	19981	0.07%	0.003%
134	8.240	8.218	8.253	VV	2375	44664	0.15%	0.006%
135	8.284	8.253	8.299	VV	5405	88154	0.30%	0.012%
136	8.311	8.299	8.328	VV	4500	53406	0.18%	0.008%
137	8.350	8.328	8.379	VV	7219	100259	0.35%	0.014%
138	8.399	8.379	8.418	VV	2866	40519	0.14%	0.006%
139	8.468	8.418	8.490	VV	6492	138020	0.48%	0.020%
140	8.524	8.490	8.547	VV	5816	95887	0.33%	0.014%
141	8.557	8.547	8.592	VV	1807	38230	0.13%	0.005%

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142	8.606	8.592	8.617	VV	1311	16455	0.06%	0.002%
143	8.631	8.617	8.669	VV	1537	36739	0.13%	0.005%
144	8.714	8.669	8.734	VV	2913	52495	0.18%	0.007%
145	8.763	8.734	8.788	VV	3588	72604	0.25%	0.010%
146	8.820	8.788	8.853	VV	4783	109279	0.38%	0.015%
147	8.889	8.853	8.950	VV	10864	191426	0.66%	0.027%
148	8.974	8.950	8.988	VV	3036	44419	0.15%	0.006%
149	9.003	8.988	9.021	VV	3322	46703	0.16%	0.007%
150	9.037	9.021	9.057	VV	4571	54224	0.19%	0.008%
151	9.126	9.057	9.142	VV	2411	74873	0.26%	0.011%
152	9.174	9.142	9.194	VV	8414	109920	0.38%	0.016%
153	9.213	9.194	9.237	VV	2629	37277	0.13%	0.005%
154	9.259	9.237	9.290	VV	1140	19320	0.07%	0.003%
155	9.329	9.290	9.345	PV	2314	31770	0.11%	0.004%
156	9.361	9.345	9.391	VV	2878	31397	0.11%	0.004%
157	9.411	9.391	9.426	VV	806	8085	0.03%	0.001%
158	9.466	9.426	9.484	VV	2702	37972	0.13%	0.005%
159	9.502	9.484	9.526	VV	2947	41470	0.14%	0.006%
160	9.550	9.526	9.603	VV	5617	94044	0.32%	0.013%
161	9.631	9.603	9.661	VV	4039	69632	0.24%	0.010%
162	9.671	9.661	9.681	VV	1000	9642	0.03%	0.001%
163	9.703	9.681	9.716	VV	2538	38144	0.13%	0.005%
164	9.728	9.716	9.744	VV	2482	31616	0.11%	0.004%
165	9.756	9.744	9.769	VV	1368	17409	0.06%	0.002%
166	9.780	9.769	9.800	VV	1117	15084	0.05%	0.002%
167	9.827	9.800	9.851	VV	20679	204978	0.71%	0.029%
168	9.872	9.851	9.904	PV	2700	45591	0.16%	0.006%
169	9.919	9.904	9.932	VV	1345	19103	0.07%	0.003%
170	9.955	9.932	10.011	VV	8102	140516	0.48%	0.020%
171	10.038	10.011	10.051	VV	1081	18686	0.06%	0.003%
172	10.064	10.051	10.091	VV	1339	21186	0.07%	0.003%
173	10.133	10.091	10.157	PV	1163	18939	0.07%	0.003%
174	10.170	10.157	10.188	VV	595	8235	0.03%	0.001%
175	10.205	10.188	10.216	VV	315	2994	0.01%	0.000%
176	10.251	10.216	10.276	PV	1256	27239	0.09%	0.004%
177	10.299	10.276	10.322	VV	2871	44766	0.15%	0.006%
178	10.345	10.322	10.368	VV	3833	58579	0.20%	0.008%
179	10.430	10.368	10.454	VV	4800	129700	0.45%	0.018%
180	10.474	10.454	10.521	VV	5087	91584	0.32%	0.013%
181	10.551	10.521	10.581	VV	3536	88348	0.30%	0.013%
182	10.601	10.581	10.637	VV	6341	123724	0.43%	0.018%
183	10.646	10.637	10.663	VV	2729	35485	0.12%	0.005%
184	10.692	10.663	10.735	VV	11083	213762	0.74%	0.030%
185	10.761	10.735	10.796	VV	7493	151321	0.52%	0.021%
186	10.819	10.796	10.839	VV	2038	42915	0.15%	0.006%
187	10.851	10.839	10.867	VV	1797	22245	0.08%	0.003%
188	10.878	10.867	10.904	VV	946	16353	0.06%	0.002%
189	10.919	10.904	10.929	VV	1621	17570	0.06%	0.002%
190	10.954	10.929	10.998	VV	40851	479254	1.65%	0.068%
191	11.028	10.998	11.068	VV	14261	171109	0.59%	0.024%
192	11.088	11.068	11.120	VV	1748	22924	0.08%	0.003%
193	11.145	11.120	11.160	VV	1306	17390	0.06%	0.002%
194	11.174	11.160	11.188	VV	1464	13293	0.05%	0.002%

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195	11.202	11.188	11.221	VV	1090	13155	0.05%	0.002%
196	11.238	11.221	11.283	VV	6421	107540	0.37%	0.015%
197	11.310	11.283	11.327	PV	2987	47678	0.16%	0.007%
198	11.347	11.327	11.375	VV	3577	72016	0.25%	0.010%
199	11.398	11.375	11.419	VV	11820	153025	0.53%	0.022%
200	11.480	11.419	11.524	VV	8895	220605	0.76%	0.031%
201	11.555	11.524	11.574	PV	4364	55937	0.19%	0.008%
202	11.608	11.574	11.626	VV	6063	84568	0.29%	0.012%
203	11.653	11.626	11.678	VV	4331	77990	0.27%	0.011%
204	11.725	11.678	11.747	VV	300208	3188290	10.99%	0.451%
205	11.758	11.747	11.772	VV	22193	227023	0.78%	0.032%
206	11.789	11.772	11.814	VV	33822	370613	1.28%	0.052%
207	11.854	11.814	11.890	VV	13671	255698	0.88%	0.036%
208	11.908	11.890	11.922	VV	14114	154010	0.53%	0.022%
209	11.938	11.922	11.963	VV	16610	191142	0.66%	0.027%
210	11.977	11.963	11.994	VV	1612	15475	0.05%	0.002%
211	12.026	11.994	12.038	PV	3659	56133	0.19%	0.008%
212	12.069	12.038	12.091	VV	17627	256912	0.89%	0.036%
213	12.111	12.091	12.134	VV	6968	106567	0.37%	0.015%
214	12.158	12.134	12.179	VV	3846	61736	0.21%	0.009%
215	12.194	12.179	12.209	VV	1379	16889	0.06%	0.002%
216	12.230	12.209	12.248	VV	7817	88652	0.31%	0.013%
217	12.261	12.248	12.273	VV	4631	43204	0.15%	0.006%
218	12.319	12.273	12.356	VV	73213	1067111	3.68%	0.151%
219	12.374	12.356	12.392	VV	7343	103873	0.36%	0.015%
220	12.406	12.392	12.421	VV	3987	46233	0.16%	0.007%
221	12.482	12.421	12.524	VV	9307	300704	1.04%	0.043%
222	12.549	12.524	12.582	VV	16780	319616	1.10%	0.045%
223	12.627	12.582	12.641	VV	9416	212469	0.73%	0.030%
224	12.661	12.641	12.679	VV	24264	312784	1.08%	0.044%
225	12.710	12.679	12.749	VV	27762	615666	2.12%	0.087%
226	12.776	12.749	12.817	VV	67958	871481	3.00%	0.123%
227	12.844	12.817	12.861	VV	2588	51671	0.18%	0.007%
228	12.908	12.861	12.921	VV	6889	128018	0.44%	0.018%
229	12.934	12.921	12.946	VV	6851	74648	0.26%	0.011%
230	12.968	12.946	13.006	VV	13659	277684	0.96%	0.039%
231	13.024	13.006	13.048	VV	5757	99284	0.34%	0.014%
232	13.077	13.048	13.098	VV	93851	1054659	3.63%	0.149%
233	13.159	13.098	13.188	VV	197479	2709072	9.33%	0.384%
234	13.217	13.188	13.237	VV	8681	181466	0.63%	0.026%
235	13.249	13.237	13.300	VV	7965	233195	0.80%	0.033%
236	13.323	13.300	13.370	VV	25662	569504	1.96%	0.081%
237	13.407	13.370	13.450	VV	17730	491507	1.69%	0.070%
238	13.472	13.450	13.485	VV	11940	164238	0.57%	0.023%
239	13.503	13.485	13.519	VV	16139	250293	0.86%	0.035%
240	13.552	13.519	13.592	VV	31264	784564	2.70%	0.111%
241	13.603	13.592	13.614	VV	10449	133125	0.46%	0.019%
242	13.665	13.614	13.691	VV	37494	844832	2.91%	0.120%
243	13.722	13.691	13.735	VV	13204	295972	1.02%	0.042%
244	13.744	13.735	13.754	VV	11982	129417	0.45%	0.018%
245	13.775	13.754	13.792	VV	22659	382687	1.32%	0.054%
246	13.815	13.792	13.837	VV	60024	833334	2.87%	0.118%

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247	13.859	13.837	13.884	VV	19807	410438	1.41%	0.058%
248	13.914	13.884	13.928	VV	37368	650685	2.24%	0.092%
249	13.945	13.928	13.964	VV	46905	706817	2.44%	0.100%
250	13.984	13.964	14.021	VV	29917	605084	2.08%	0.086%
251	14.057	14.021	14.105	VV	14287	583175	2.01%	0.083%
252	14.137	14.105	14.170	VV	18519	556584	1.92%	0.079%
253	14.182	14.170	14.187	VV	13086	126108	0.43%	0.018%
254	14.209	14.187	14.234	VV	14950	391585	1.35%	0.055%
255	14.249	14.234	14.262	VV	18002	267314	0.92%	0.038%
256	14.304	14.262	14.322	VV	21158	611368	2.11%	0.087%
257	14.402	14.322	14.447	VV	49171	1910825	6.58%	0.271%
258	14.475	14.447	14.493	VV	52186	921909	3.18%	0.131%
259	14.505	14.493	14.522	VV	40634	591713	2.04%	0.084%
260	14.531	14.522	14.556	VV	27692	483892	1.67%	0.069%
261	14.584	14.556	14.601	VV	58462	1027296	3.54%	0.145%
262	14.610	14.601	14.628	VV	34257	488703	1.68%	0.069%
263	14.648	14.628	14.668	VV	47573	806303	2.78%	0.114%
264	14.707	14.668	14.729	VV	39435	1024572	3.53%	0.145%
265	14.771	14.729	14.792	VV	25959	875389	3.02%	0.124%
266	14.833	14.792	14.858	VV	28475	939223	3.24%	0.133%
267	14.961	14.858	14.982	VV	161486	3542982	12.21%	0.502%
268	15.004	14.982	15.058	VV	184239	3375080	11.63%	0.478%
269	15.073	15.058	15.085	VV	34283	534210	1.84%	0.076%
270	15.120	15.085	15.151	VV	46612	1404478	4.84%	0.199%
271	15.169	15.151	15.186	VV	58734	952787	3.28%	0.135%
272	15.204	15.186	15.231	VV	49443	1081853	3.73%	0.153%
273	15.276	15.231	15.340	VV	73109	2983814	10.28%	0.423%
274	15.352	15.340	15.374	VV	35575	661736	2.28%	0.094%
275	15.406	15.374	15.467	VV	68197	2407372	8.29%	0.341%
276	15.541	15.467	15.565	VV	65400	2572485	8.86%	0.364%
277	15.598	15.565	15.615	VV	75084	1751202	6.03%	0.248%
278	15.643	15.615	15.661	VV	247538	3892243	13.41%	0.551%
279	15.678	15.661	15.723	VV	197518	3435249	11.84%	0.486%
280	15.808	15.723	15.853	VV	108044	5367635	18.49%	0.760%
281	15.879	15.853	15.898	VV	73876	1631421	5.62%	0.231%
282	15.921	15.898	15.944	VV	63142	1634774	5.63%	0.231%
283	15.962	15.944	16.000	VV	64206	1910076	6.58%	0.270%
284	16.044	16.000	16.058	VV	75985	2068730	7.13%	0.293%
285	16.068	16.058	16.098	VV	70101	1436384	4.95%	0.203%
286	16.110	16.098	16.119	VV	52583	653412	2.25%	0.093%
287	16.143	16.119	16.162	VV	65030	1499910	5.17%	0.212%
288	16.174	16.162	16.207	VV	61068	1571598	5.41%	0.223%
289	16.242	16.207	16.264	VV	131742	3335048	11.49%	0.472%
290	16.282	16.264	16.300	VV	136913	2328799	8.02%	0.330%
291	16.317	16.300	16.334	VV	106972	1993482	6.87%	0.282%
292	16.349	16.334	16.375	VV	98029	2033566	7.01%	0.288%
293	16.414	16.375	16.424	VV	92394	2480094	8.55%	0.351%
294	16.450	16.424	16.483	VV	136720	3529283	12.16%	0.500%
295	16.535	16.483	16.596	VV	260593	8739354	30.11%	1.238%
296	16.610	16.596	16.637	VV	77412	1827135	6.30%	0.259%
297	16.665	16.637	16.688	VV	100645	2567868	8.85%	0.364%
298	16.723	16.688	16.748	VV	106593	3170272	10.92%	0.449%
299	16.792	16.748	16.804	VV	90078	2880356	9.92%	0.408%

rteres								
300	16.868	16.804	16.894	VV	383727	9657233	33.27%	1.368%
301	16.925	16.894	16.952	VV	355454	6797696	23.42%	0.963%
302	16.997	16.952	17.014	VV	124416	4078937	14.05%	0.578%
303	17.022	17.014	17.036	VV	123316	1544202	5.32%	0.219%
304	17.064	17.036	17.085	VV	123261	3306305	11.39%	0.468%
305	17.133	17.085	17.142	VV	148323	4291567	14.79%	0.608%
306	17.175	17.142	17.218	VV	174167	6809121	23.46%	0.964%
307	17.235	17.218	17.254	VV	122605	2546611	8.77%	0.361%
308	17.294	17.254	17.374	VV	231269	11553367	39.81%	1.636%
309	17.441	17.374	17.451	VV	374376	9814645	33.82%	1.390%
310	17.460	17.451	17.487	VV	384533	5666140	19.52%	0.802%
311	17.521	17.487	17.568	VV	257070	8907550	30.69%	1.261%
312	17.604	17.568	17.667	VV	174259	8955429	30.86%	1.268%
313	17.690	17.667	17.711	VV	143231	3496011	12.05%	0.495%
314	17.743	17.711	17.756	VV	160238	3917446	13.50%	0.555%
315	17.772	17.756	17.816	VV	170564	5478206	18.88%	0.776%
316	17.896	17.816	17.948	VV	331433	18233559	62.82%	2.582%
317	17.989	17.948	18.063	VV	290311	16083005	55.41%	2.277%
318	18.112	18.063	18.154	VV	307424	12644809	43.57%	1.791%
319	18.169	18.154	18.189	VV	198029	3956459	13.63%	0.560%
320	18.222	18.189	18.287	VV	291782	11827382	40.75%	1.675%
321	18.321	18.287	18.331	VV	299401	6141254	21.16%	0.870%
322	18.360	18.331	18.421	VV	330194	14293695	49.25%	2.024%
323	18.458	18.421	18.474	VV	387603	9852016	33.95%	1.395%
324	18.496	18.474	18.538	VV	454156	13485171	46.46%	1.910%
325	18.603	18.538	18.643	VV	533605	20944769	72.17%	2.966%
326	18.694	18.643	18.754	VV	329976	17788466	61.29%	2.519%
327	18.766	18.754	18.788	VV	201197	3912947	13.48%	0.554%
328	18.816	18.788	18.845	VV	233364	7479863	25.77%	1.059%
329	18.925	18.845	18.950	VV	322968	17372169	59.86%	2.460%
330	18.968	18.950	18.994	VV	303353	7393186	25.47%	1.047%
331	19.032	18.994	19.081	VV	410742	18109700	62.40%	2.564%
332	19.125	19.081	19.240	VV	487560	29023100	100.00%	4.110%
333	19.300	19.240	19.347	VV	297758	16107289	55.50%	2.281%
334	19.379	19.347	19.408	VV	254031	8438936	29.08%	1.195%
335	19.437	19.408	19.465	VV	245137	7962561	27.44%	1.128%
336	19.513	19.465	19.531	VV	266552	9882874	34.05%	1.400%
337	19.586	19.531	19.654	VV	283253	19084540	65.76%	2.703%
338	19.673	19.654	19.696	VV	258709	6022060	20.75%	0.853%
339	19.775	19.696	19.802	VV	288772	16387448	56.46%	2.321%
340	19.826	19.802	19.867	VV	300586	10078131	34.72%	1.427%
341	19.888	19.867	19.975	VV	231275	13684448	47.15%	1.938%
342	19.988	19.975	20.004	VV	191864	3285495	11.32%	0.465%
343	20.048	20.004	20.102	VV	240643	12224066	42.12%	1.731%
344	20.154	20.102	20.191	VV	416141	15145855	52.19%	2.145%
345	20.251	20.191	20.305	VV	274125	15308006	52.74%	2.168%
346	20.371	20.305	20.439	VV	225762	16391057	56.48%	2.321%
347	20.489	20.439	20.544	VV	200378	10676142	36.78%	1.512%
348	20.635	20.544	20.720	VV	236532	19216955	66.21%	2.721%
349	20.742	20.720	20.777	VV	141377	4478338	15.43%	0.634%
350	20.836	20.777	20.931	VV	145316	11300084	38.93%	1.600%
351	20.940	20.931	20.988	VV	107244	3516776	12.12%	0.498%

rteres								
352	21.024	20.988	21.162	VV	124158	11305713	38.95%	1.601%
353	21.182	21.162	21.206	VV	101553	2516103	8.67%	0.356%
354	21.222	21.206	21.263	VV	87195	2686643	9.26%	0.380%
355	21.315	21.263	21.362	VV	83862	4125350	14.21%	0.584%
356	21.371	21.362	21.380	VV	46800	485336	1.67%	0.069%
357	21.443	21.380	21.488	VV	67686	3538685	12.19%	0.501%
358	21.519	21.488	21.561	VV	59050	2293252	7.90%	0.325%
359	21.643	21.561	21.717	VV	73331	5198319	17.91%	0.736%
360	21.730	21.717	21.815	VV	43625	1852072	6.38%	0.262%
361	21.824	21.815	21.834	VV	22098	237449	0.82%	0.034%
362	21.868	21.834	21.881	VV	25469	588218	2.03%	0.083%
363	21.890	21.881	21.908	VV	17889	215984	0.74%	0.031%
364	21.969	21.908	22.029	VV	33712	1377468	4.75%	0.195%
365	22.071	22.029	22.129	VV	31984	942328	3.25%	0.133%

Sum of corrected areas: 706171261

Aliphatic EPH 040225.M Tue Apr 08 03:26:29 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040825AL\
Data File : FC068510.D
Signal(s) : FID1A.ch
Acq On : 08 Apr 2025 09:30
Operator : YP/AJ
Sample : Q1736-01DL 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
GST1DL

Integration File: autoint1.e
Quant Time: Apr 09 04:12:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040225.M
Quant Title : GC Extractables
QLast Update : Mon Apr 07 16:09:59 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)	11.722	1595521	12.373 ug/ml
Spiked Amount	50.000	Recovery	= 24.75%
12) S 1-chlorooctadecane (S...	13.156	1366124	14.851 ug/ml
Spiked Amount	50.000	Recovery	= 29.70%

Target Compounds

(f)=RT Delta > 1/2 Window

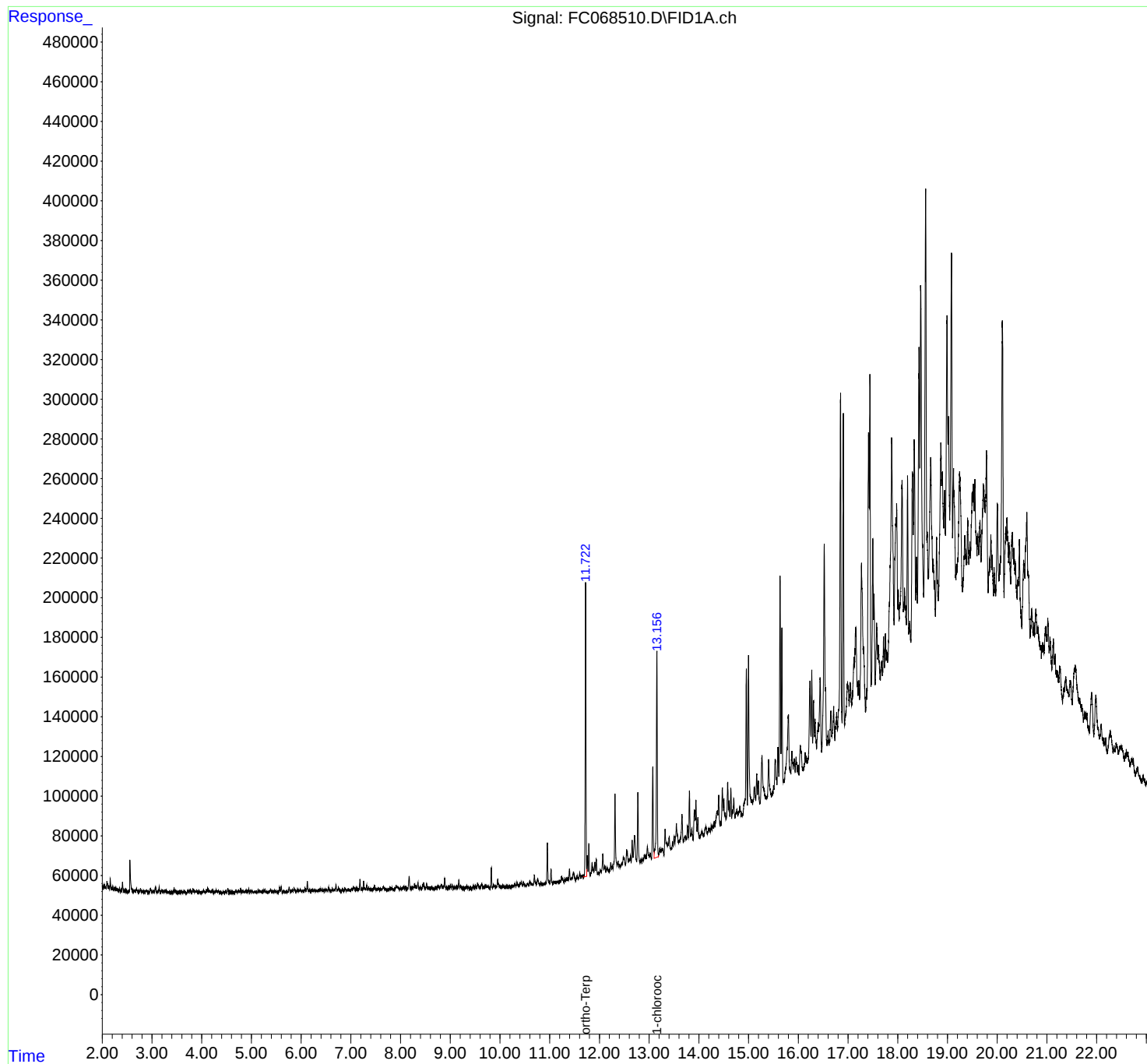
(m)=manual int.

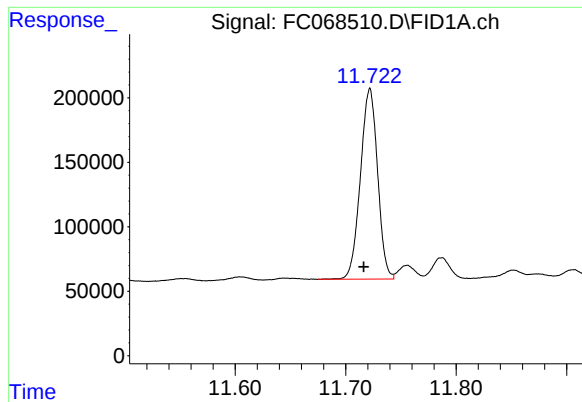
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040825AL\
Data File : FC068510.D
Signal(s) : FID1A.ch
Acq On : 08 Apr 2025 09:30
Operator : YP/AJ
Sample : Q1736-01DL 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
GST1DL

Integration File: autoint1.e
Quant Time: Apr 09 04:12:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040225.M
Quant Title : GC Extractables
QLast Update : Mon Apr 07 16:09:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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

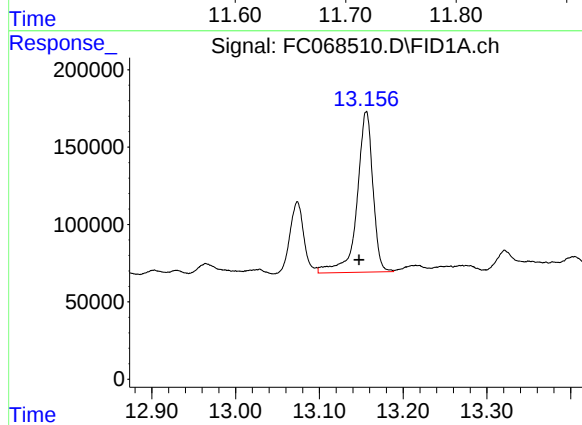




#9 ortho-Terphenyl (SURR)

R.T.: 11.722 min
Delta R.T.: 0.005 min
Response: 1595521
Conc: 12.37 ug/ml

Instrument :
FID_C
ClientSampleId :
GST1DL



#12 1-chlorooctadecane (SURR)

R.T.: 13.156 min
Delta R.T.: 0.009 min
Response: 1366124
Conc: 14.85 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040825AL\
 Data File : FC068510.D
 Signal(s) : FID1A.ch
 Acq On : 08 Apr 2025 09:30
 Sample : Q1736-01DL 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040225.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	2.345	2.304	2.364	BV	974	3472	0.03%	0.001%
2	2.378	2.364	2.389	PV	558	4511	0.04%	0.001%
3	2.407	2.389	2.447	VV	4541	41684	0.38%	0.011%
4	2.475	2.447	2.503	VV	550	8372	0.08%	0.002%
5	2.515	2.503	2.522	PV	90	416	0.00%	0.000%
6	2.558	2.522	2.626	VV	14082	175360	1.61%	0.047%
7	2.640	2.626	2.669	VV	904	13271	0.12%	0.004%
8	2.689	2.669	2.699	VV	1636	16481	0.15%	0.004%
9	2.704	2.699	2.723	VV	1182	8495	0.08%	0.002%
10	2.744	2.723	2.755	VV	703	6332	0.06%	0.002%
11	2.771	2.755	2.854	VV	1801	24534	0.23%	0.007%
12	2.896	2.854	2.931	VV	836	17320	0.16%	0.005%
13	2.964	2.931	2.996	PV	1831	28409	0.26%	0.008%
14	3.013	2.996	3.023	VV	439	6059	0.06%	0.002%
15	3.034	3.023	3.051	VV	518	6561	0.06%	0.002%
16	3.069	3.051	3.118	VV	2494	40058	0.37%	0.011%
17	3.145	3.118	3.166	VV	3036	35260	0.32%	0.009%
18	3.194	3.166	3.216	VV	1361	18961	0.17%	0.005%
19	3.230	3.216	3.244	VV	675	7583	0.07%	0.002%
20	3.267	3.244	3.282	VV	1136	16080	0.15%	0.004%
21	3.292	3.282	3.310	VV	938	8910	0.08%	0.002%
22	3.337	3.310	3.362	VV	444	8902	0.08%	0.002%
23	3.384	3.362	3.409	VV	339	5844	0.05%	0.002%
24	3.445	3.409	3.459	VV	2482	24575	0.23%	0.007%
25	3.469	3.459	3.525	VV	1097	16092	0.15%	0.004%
26	3.549	3.525	3.561	PV	492	5144	0.05%	0.001%
27	3.576	3.561	3.588	VV	661	6897	0.06%	0.002%
28	3.600	3.588	3.615	VV	583	5419	0.05%	0.001%
29	3.648	3.615	3.684	VV	718	15043	0.14%	0.004%
30	3.723	3.684	3.743	VV	1284	21723	0.20%	0.006%
31	3.755	3.743	3.796	VV	1156	23904	0.22%	0.006%
32	3.824	3.796	3.848	VV	2156	27277	0.25%	0.007%
33	3.860	3.848	3.874	VV	968	11256	0.10%	0.003%
34	3.896	3.874	3.912	VV	930	15132	0.14%	0.004%
35	3.922	3.912	3.933	VV	502	4685	0.04%	0.001%
36	3.948	3.933	3.983	VV	1162	16527	0.15%	0.004%

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37	3.999	3.983	4.011	VV	628	5424	0.05%	0.001%
38	4.033	4.011	4.079	VV	1178	25901	0.24%	0.007%
39	4.096	4.079	4.108	VV	1766	17765	0.16%	0.005%
40	4.123	4.108	4.138	VV	2441	27308	0.25%	0.007%
41	4.151	4.138	4.173	VV	1337	18028	0.17%	0.005%
42	4.188	4.173	4.200	VV	842	11386	0.10%	0.003%
43	4.219	4.200	4.244	VV	1578	20504	0.19%	0.005%
44	4.291	4.244	4.314	VV	1668	26800	0.25%	0.007%
45	4.331	4.314	4.359	VV	1174	18960	0.17%	0.005%
46	4.371	4.359	4.382	VV	508	4914	0.05%	0.001%
47	4.391	4.382	4.414	VV	384	3337	0.03%	0.001%
48	4.443	4.414	4.463	PV	652	9314	0.09%	0.002%
49	4.485	4.463	4.508	VV	848	13216	0.12%	0.004%
50	4.525	4.508	4.555	VV	2264	26059	0.24%	0.007%
51	4.572	4.555	4.586	VV	787	8353	0.08%	0.002%
52	4.599	4.586	4.614	VV	596	6825	0.06%	0.002%
53	4.625	4.614	4.658	VV	439	6740	0.06%	0.002%
54	4.684	4.658	4.713	VV	859	16745	0.15%	0.004%
55	4.731	4.713	4.742	VV	1109	14495	0.13%	0.004%
56	4.749	4.742	4.766	VV	912	11011	0.10%	0.003%
57	4.782	4.766	4.799	VV	2333	22784	0.21%	0.006%
58	4.815	4.799	4.828	VV	989	11347	0.10%	0.003%
59	4.835	4.828	4.849	VV	889	8744	0.08%	0.002%
60	4.861	4.849	4.872	VV	723	7545	0.07%	0.002%
61	4.905	4.872	4.925	VV	1229	22609	0.21%	0.006%
62	4.944	4.925	4.964	VV	1550	21428	0.20%	0.006%
63	4.977	4.964	4.991	VV	644	8939	0.08%	0.002%
64	5.008	4.991	5.028	VV	1312	16424	0.15%	0.004%
65	5.059	5.028	5.071	VV	674	10988	0.10%	0.003%
66	5.077	5.071	5.111	VV	588	9909	0.09%	0.003%
67	5.138	5.111	5.151	VV	867	11260	0.10%	0.003%
68	5.169	5.151	5.196	VV	1054	17020	0.16%	0.005%
69	5.226	5.196	5.238	VV	841	12839	0.12%	0.003%
70	5.254	5.238	5.295	VV	1165	27084	0.25%	0.007%
71	5.303	5.295	5.316	VV	358	3002	0.03%	0.001%
72	5.337	5.316	5.353	PV	392	5493	0.05%	0.001%
73	5.388	5.353	5.416	VV	1793	28005	0.26%	0.008%
74	5.437	5.416	5.447	VV	553	8682	0.08%	0.002%
75	5.465	5.447	5.482	VV	1030	13819	0.13%	0.004%
76	5.496	5.482	5.544	VV	643	13295	0.12%	0.004%
77	5.568	5.544	5.584	VV	2443	27721	0.25%	0.007%
78	5.599	5.584	5.624	VV	3070	33353	0.31%	0.009%
79	5.641	5.624	5.676	PV	845	13356	0.12%	0.004%
80	5.705	5.676	5.714	VV	374	6910	0.06%	0.002%
81	5.725	5.714	5.738	VV	329	3851	0.04%	0.001%
82	5.760	5.738	5.801	VV	2614	37415	0.34%	0.010%
83	5.815	5.801	5.832	VV	632	10344	0.09%	0.003%
84	5.856	5.832	5.897	VV	1874	37594	0.34%	0.010%
85	5.918	5.897	5.931	VV	948	12230	0.11%	0.003%
86	5.945	5.931	5.957	VV	948	11864	0.11%	0.003%
87	5.984	5.957	6.009	VV	1177	23902	0.22%	0.006%
88	6.027	6.009	6.050	VV	935	12969	0.12%	0.003%
89	6.079	6.050	6.093	VV	1664	24977	0.23%	0.007%

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90	6.126	6.093	6.151	VV	5320	71620	0.66%	0.019%
91	6.170	6.151	6.188	VV	979	14341	0.13%	0.004%
92	6.230	6.188	6.248	VV	951	21011	0.19%	0.006%
93	6.272	6.248	6.291	VV	996	19423	0.18%	0.005%
94	6.305	6.291	6.332	VV	876	16009	0.15%	0.004%
95	6.370	6.332	6.383	VV	999	22198	0.20%	0.006%
96	6.398	6.383	6.418	VV	1395	19368	0.18%	0.005%
97	6.437	6.418	6.458	VV	1331	17520	0.16%	0.005%
98	6.486	6.458	6.502	VV	956	17489	0.16%	0.005%
99	6.516	6.502	6.534	VV	814	12534	0.12%	0.003%
100	6.551	6.534	6.568	VV	2285	26324	0.24%	0.007%
101	6.577	6.568	6.602	VV	786	9170	0.08%	0.002%
102	6.624	6.602	6.668	PV	1223	23041	0.21%	0.006%
103	6.676	6.668	6.684	VV	665	6246	0.06%	0.002%
104	6.702	6.684	6.723	VV	3410	40275	0.37%	0.011%
105	6.753	6.723	6.802	VV	1559	32650	0.30%	0.009%
106	6.831	6.802	6.856	VV	1205	18758	0.17%	0.005%
107	6.882	6.856	6.908	VV	1307	25359	0.23%	0.007%
108	6.955	6.908	6.977	VV	938	26381	0.24%	0.007%
109	7.025	6.977	7.038	VV	1317	29806	0.27%	0.008%
110	7.056	7.038	7.075	VV	1867	32036	0.29%	0.009%
111	7.084	7.075	7.101	VV	1311	16401	0.15%	0.004%
112	7.116	7.101	7.144	VV	1776	28214	0.26%	0.008%
113	7.184	7.144	7.205	VV	5818	73219	0.67%	0.020%
114	7.218	7.205	7.237	VV	1049	15003	0.14%	0.004%
115	7.257	7.237	7.300	VV	4851	71225	0.65%	0.019%
116	7.319	7.300	7.338	VV	2977	34524	0.32%	0.009%
117	7.359	7.338	7.424	VV	1395	37717	0.35%	0.010%
118	7.445	7.424	7.458	VV	991	14536	0.13%	0.004%
119	7.477	7.458	7.518	VV	2624	41402	0.38%	0.011%
120	7.534	7.518	7.549	VV	798	11833	0.11%	0.003%
121	7.570	7.549	7.588	VV	912	15935	0.15%	0.004%
122	7.601	7.588	7.631	VV	716	16046	0.15%	0.004%
123	7.654	7.631	7.691	VV	2036	41526	0.38%	0.011%
124	7.707	7.691	7.728	VV	729	9833	0.09%	0.003%
125	7.742	7.728	7.756	VV	425	5435	0.05%	0.001%
126	7.780	7.756	7.798	VV	1129	19403	0.18%	0.005%
127	7.821	7.798	7.861	VV	1192	28409	0.26%	0.008%
128	7.874	7.861	7.884	VV	599	6455	0.06%	0.002%
129	7.910	7.884	7.984	VV	2143	72393	0.66%	0.019%
130	8.001	7.984	8.024	VV	1053	17516	0.16%	0.005%
131	8.066	8.024	8.083	VV	1707	40371	0.37%	0.011%
132	8.100	8.083	8.142	VV	1686	34314	0.31%	0.009%
133	8.172	8.142	8.194	VV	6736	93915	0.86%	0.025%
134	8.205	8.194	8.216	VV	866	11207	0.10%	0.003%
135	8.240	8.216	8.254	VV	1274	25484	0.23%	0.007%
136	8.283	8.254	8.297	VV	2970	43880	0.40%	0.012%
137	8.310	8.297	8.326	VV	2327	27846	0.26%	0.007%
138	8.349	8.326	8.377	VV	3655	52432	0.48%	0.014%
139	8.397	8.377	8.418	VV	1440	20796	0.19%	0.006%
140	8.446	8.418	8.453	VV	2012	25777	0.24%	0.007%
141	8.467	8.453	8.488	VV	3228	42330	0.39%	0.011%

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142	8.523	8.488	8.547	VV	2844	50270	0.46%	0.013%
143	8.557	8.547	8.591	VV	1014	20223	0.19%	0.005%
144	8.605	8.591	8.614	VV	764	8453	0.08%	0.002%
145	8.633	8.614	8.667	VV	785	18359	0.17%	0.005%
146	8.714	8.667	8.729	VV	1208	22010	0.20%	0.006%
147	8.762	8.729	8.786	VV	1803	39015	0.36%	0.010%
148	8.818	8.786	8.850	VV	2363	53934	0.49%	0.014%
149	8.888	8.850	8.913	VV	5553	85331	0.78%	0.023%
150	8.925	8.913	8.948	VV	801	14144	0.13%	0.004%
151	8.973	8.948	8.986	VV	1502	21913	0.20%	0.006%
152	9.002	8.986	9.020	VV	1792	24358	0.22%	0.007%
153	9.036	9.020	9.055	VV	2372	27775	0.25%	0.007%
154	9.089	9.055	9.099	VV	839	17746	0.16%	0.005%
155	9.126	9.099	9.142	VV	1281	22928	0.21%	0.006%
156	9.172	9.142	9.194	VV	4220	56029	0.51%	0.015%
157	9.211	9.194	9.233	VV	1431	18335	0.17%	0.005%
158	9.258	9.233	9.285	VV	556	9787	0.09%	0.003%
159	9.328	9.285	9.344	VV	1119	15824	0.15%	0.004%
160	9.360	9.344	9.391	VV	1386	16014	0.15%	0.004%
161	9.408	9.391	9.424	VV	423	4601	0.04%	0.001%
162	9.465	9.424	9.486	PV	1447	21667	0.20%	0.006%
163	9.504	9.486	9.525	VV	1141	15717	0.14%	0.004%
164	9.549	9.525	9.602	VV	2926	50954	0.47%	0.014%
165	9.630	9.602	9.660	VV	2036	36839	0.34%	0.010%
166	9.671	9.660	9.684	VV	584	7097	0.07%	0.002%
167	9.703	9.684	9.718	VV	1250	19907	0.18%	0.005%
168	9.728	9.718	9.800	VV	1124	30743	0.28%	0.008%
169	9.825	9.800	9.849	VV	10286	102282	0.94%	0.027%
170	9.871	9.849	9.905	PV	1361	26299	0.24%	0.007%
171	9.920	9.905	9.932	VV	659	9919	0.09%	0.003%
172	9.954	9.932	10.016	VV	4378	73719	0.68%	0.020%
173	10.032	10.016	10.043	VV	477	6268	0.06%	0.002%
174	10.062	10.043	10.101	VV	796	13499	0.12%	0.004%
175	10.132	10.101	10.204	PV	636	15339	0.14%	0.004%
176	10.254	10.204	10.275	VV	657	14337	0.13%	0.004%
177	10.297	10.275	10.324	VV	1528	25303	0.23%	0.007%
178	10.343	10.324	10.368	VV	2040	29210	0.27%	0.008%
179	10.405	10.368	10.413	VV	1605	25061	0.23%	0.007%
180	10.428	10.413	10.453	VV	2311	32615	0.30%	0.009%
181	10.471	10.453	10.516	VV	2219	31684	0.29%	0.008%
182	10.551	10.516	10.579	PV	1215	26210	0.24%	0.007%
183	10.600	10.579	10.641	VV	2631	44833	0.41%	0.012%
184	10.647	10.641	10.660	VV	674	5206	0.05%	0.001%
185	10.692	10.660	10.733	VV	5216	82513	0.76%	0.022%
186	10.759	10.733	10.794	VV	3170	57838	0.53%	0.016%
187	10.818	10.794	10.837	VV	636	11304	0.10%	0.003%
188	10.848	10.837	10.864	VV	717	5962	0.05%	0.002%
189	10.890	10.864	10.900	PV	279	4371	0.04%	0.001%
190	10.917	10.900	10.928	VV	777	7908	0.07%	0.002%
191	10.953	10.928	10.996	VV	20748	235028	2.16%	0.063%
192	11.027	10.996	11.065	VV	7274	89747	0.82%	0.024%
193	11.087	11.065	11.111	VV	909	14550	0.13%	0.004%
194	11.147	11.111	11.160	VV	657	12485	0.11%	0.003%

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195	11.174	11.160	11.187	VV	749	7913	0.07%	0.002%
196	11.202	11.187	11.215	VV	661	7658	0.07%	0.002%
197	11.237	11.215	11.252	VV	3016	38001	0.35%	0.010%
198	11.260	11.252	11.282	VV	1705	18984	0.17%	0.005%
199	11.309	11.282	11.328	PV	1499	26082	0.24%	0.007%
200	11.343	11.328	11.356	VV	1729	23549	0.22%	0.006%
201	11.362	11.356	11.371	VV	1290	11373	0.10%	0.003%
202	11.397	11.371	11.417	VV	6253	80095	0.73%	0.021%
203	11.478	11.417	11.521	VV	4438	113125	1.04%	0.030%
204	11.553	11.521	11.574	PV	1954	29610	0.27%	0.008%
205	11.605	11.574	11.626	VV	2992	43393	0.40%	0.012%
206	11.646	11.626	11.674	VV	1837	33585	0.31%	0.009%
207	11.722	11.674	11.744	VV	147306	1624475	14.91%	0.436%
208	11.755	11.744	11.770	VV	11031	115448	1.06%	0.031%
209	11.787	11.770	11.813	VV	16874	190816	1.75%	0.051%
210	11.852	11.813	11.888	VV	6793	141602	1.30%	0.038%
211	11.906	11.888	11.920	VV	6763	83226	0.76%	0.022%
212	11.936	11.920	11.961	VV	8010	101344	0.93%	0.027%
213	11.976	11.961	11.988	VV	997	10347	0.09%	0.003%
214	12.027	11.988	12.037	VV	1769	34634	0.32%	0.009%
215	12.068	12.037	12.090	VV	9887	141191	1.30%	0.038%
216	12.108	12.090	12.134	VV	3955	62730	0.58%	0.017%
217	12.158	12.134	12.180	VV	2352	41860	0.38%	0.011%
218	12.196	12.180	12.206	VV	1160	13751	0.13%	0.004%
219	12.228	12.206	12.244	VV	4577	56426	0.52%	0.015%
220	12.258	12.244	12.272	VV	2766	32482	0.30%	0.009%
221	12.313	12.272	12.356	VV	38392	541797	4.97%	0.145%
222	12.374	12.356	12.392	VV	4520	69773	0.64%	0.019%
223	12.405	12.392	12.421	VV	2489	34958	0.32%	0.009%
224	12.481	12.421	12.493	VV	5798	140836	1.29%	0.038%
225	12.498	12.493	12.523	VV	5143	65049	0.60%	0.017%
226	12.548	12.523	12.594	VV	9245	219117	2.01%	0.059%
227	12.624	12.594	12.638	VV	5712	106730	0.98%	0.029%
228	12.658	12.638	12.676	VV	13166	179338	1.65%	0.048%
229	12.707	12.676	12.748	VV	15108	358242	3.29%	0.096%
230	12.773	12.748	12.817	VV	35997	477938	4.39%	0.128%
231	12.835	12.817	12.856	VV	2848	48217	0.44%	0.013%
232	12.874	12.856	12.884	VV	2929	37184	0.34%	0.010%
233	12.903	12.884	12.917	VV	4569	67334	0.62%	0.018%
234	12.929	12.917	12.943	VV	4274	53675	0.49%	0.014%
235	12.965	12.943	13.007	VV	8477	187604	1.72%	0.050%
236	13.027	13.007	13.045	VV	4329	74644	0.68%	0.020%
237	13.074	13.045	13.098	VV	47895	577838	5.30%	0.155%
238	13.156	13.098	13.189	VV	105532	1463678	13.43%	0.392%
239	13.215	13.189	13.234	VV	5734	123135	1.13%	0.033%
240	13.272	13.234	13.296	VV	5335	169276	1.55%	0.045%
241	13.322	13.296	13.384	VV	14876	415369	3.81%	0.111%
242	13.403	13.384	13.453	VV	10324	268340	2.46%	0.072%
243	13.471	13.453	13.484	VV	7731	110253	1.01%	0.030%
244	13.502	13.484	13.517	VV	10301	161636	1.48%	0.043%
245	13.549	13.517	13.591	VV	16152	457347	4.20%	0.123%
246	13.661	13.591	13.688	VV	20303	597852	5.49%	0.160%

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247	13.726	13.688	13.748	VV	8913	279020	2.56%	0.075%
248	13.772	13.748	13.789	VV	13746	255630	2.35%	0.069%
249	13.810	13.789	13.841	VV	31342	502901	4.61%	0.135%
250	13.859	13.841	13.883	VV	11797	234936	2.16%	0.063%
251	13.910	13.883	13.926	VV	20868	378927	3.48%	0.102%
252	13.942	13.926	13.962	VV	25729	404342	3.71%	0.108%
253	13.980	13.962	14.009	VV	16597	329227	3.02%	0.088%
254	14.058	14.009	14.101	VV	9444	432656	3.97%	0.116%
255	14.141	14.101	14.169	VV	11392	379003	3.48%	0.102%
256	14.195	14.169	14.228	VV	10061	319153	2.93%	0.086%
257	14.248	14.228	14.263	VV	11427	211214	1.94%	0.057%
258	14.283	14.263	14.294	VV	10932	192308	1.76%	0.052%
259	14.370	14.294	14.381	VV	17725	716807	6.58%	0.192%
260	14.398	14.381	14.424	VV	25456	467271	4.29%	0.125%
261	14.433	14.424	14.443	VV	11318	123909	1.14%	0.033%
262	14.472	14.443	14.488	VV	28752	524126	4.81%	0.141%
263	14.501	14.488	14.519	VV	22792	356327	3.27%	0.096%
264	14.529	14.519	14.548	VV	15521	247809	2.27%	0.066%
265	14.580	14.548	14.597	VV	31337	613995	5.63%	0.165%
266	14.607	14.597	14.624	VV	21416	291599	2.68%	0.078%
267	14.643	14.624	14.661	VV	27334	437059	4.01%	0.117%
268	14.702	14.661	14.724	VV	22087	625658	5.74%	0.168%
269	14.766	14.724	14.788	VV	16254	545285	5.00%	0.146%
270	14.825	14.788	14.849	VV	17131	549304	5.04%	0.147%
271	14.865	14.849	14.881	VV	13602	246353	2.26%	0.066%
272	14.954	14.881	14.975	VV	85793	1730225	15.88%	0.464%
273	14.998	14.975	15.081	VV	92467	2142040	19.65%	0.574%
274	15.112	15.081	15.143	VV	25420	776462	7.12%	0.208%
275	15.163	15.143	15.180	VV	31584	570297	5.23%	0.153%
276	15.196	15.180	15.231	VV	27571	662071	6.07%	0.178%
277	15.269	15.231	15.358	VV	39844	1890527	17.35%	0.507%
278	15.403	15.358	15.459	VV	37020	1463002	13.42%	0.392%
279	15.476	15.459	15.486	VV	20903	315025	2.89%	0.084%
280	15.535	15.486	15.570	VV	36493	1366324	12.54%	0.366%
281	15.590	15.570	15.608	VV	42379	777829	7.14%	0.209%
282	15.633	15.608	15.652	VV	127380	1957381	17.96%	0.525%
283	15.670	15.652	15.718	VV	102990	1867527	17.14%	0.501%
284	15.800	15.718	15.850	VV	56412	2920763	26.80%	0.783%
285	15.871	15.850	15.897	VV	38941	951234	8.73%	0.255%
286	15.916	15.897	15.936	VV	34888	759530	6.97%	0.204%
287	15.955	15.936	15.980	VV	35267	824256	7.56%	0.221%
288	15.996	15.980	16.012	VV	31373	570269	5.23%	0.153%
289	16.040	16.012	16.084	VV	40859	1488140	13.65%	0.399%
290	16.097	16.084	16.107	VV	29144	394767	3.62%	0.106%
291	16.138	16.107	16.151	VV	36794	854479	7.84%	0.229%
292	16.163	16.151	16.176	VV	34747	489137	4.49%	0.131%
293	16.234	16.176	16.255	VV	72296	2193756	20.13%	0.588%
294	16.272	16.255	16.289	VV	76908	1204901	11.06%	0.323%
295	16.306	16.289	16.323	VV	62158	1033947	9.49%	0.277%
296	16.338	16.323	16.368	VV	52244	1216205	11.16%	0.326%
297	16.400	16.368	16.410	VV	49486	1127707	10.35%	0.302%
298	16.440	16.410	16.474	VV	71944	2050406	18.81%	0.550%
299	16.522	16.474	16.577	VV	139297	4303547	39.49%	1.154%

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300	16.601	16.577	16.618	VV	44145	964438	8.85%	0.259%
301	16.655	16.618	16.674	VV	54190	1544081	14.17%	0.414%
302	16.711	16.674	16.738	VV	55952	1778062	16.31%	0.477%
303	16.771	16.738	16.791	VV	52554	1504237	13.80%	0.403%
304	16.850	16.791	16.881	VV	214328	4980824	45.70%	1.336%
305	16.906	16.881	16.931	VV	203860	3182252	29.20%	0.853%
306	16.991	16.931	17.023	VV	66770	3175229	29.13%	0.851%
307	17.045	17.023	17.074	VV	66405	1868133	17.14%	0.501%
308	17.155	17.074	17.201	VV	92497	5547328	50.90%	1.488%
309	17.217	17.201	17.235	VV	65817	1273497	11.69%	0.341%
310	17.271	17.235	17.352	VV	124769	5892302	54.07%	1.580%
311	17.414	17.352	17.426	VV	189438	4515233	41.43%	1.211%
312	17.440	17.426	17.464	VV	220731	3296260	30.25%	0.884%
313	17.499	17.464	17.515	VV	135962	2895635	26.57%	0.776%
314	17.524	17.515	17.547	VV	107663	1670720	15.33%	0.448%
315	17.576	17.547	17.598	VV	90594	2450316	22.48%	0.657%
316	17.612	17.598	17.649	VV	81307	2279640	20.92%	0.611%
317	17.673	17.649	17.692	VV	72491	1789848	16.42%	0.480%
318	17.715	17.692	17.734	VV	85122	1916533	17.59%	0.514%
319	17.753	17.734	17.769	VV	85821	1649465	15.13%	0.442%
320	17.778	17.769	17.794	VV	77417	1155758	10.60%	0.310%
321	17.878	17.794	17.925	VV	184129	9330254	85.61%	2.502%
322	17.979	17.925	17.999	VV	150798	5635759	51.71%	1.511%
323	18.011	17.999	18.028	VV	105407	1718049	15.76%	0.461%
324	18.086	18.028	18.115	VV	161450	6148222	56.41%	1.649%
325	18.139	18.115	18.173	VV	106773	3428334	31.46%	0.919%
326	18.197	18.173	18.222	VV	163247	3451181	31.67%	0.925%
327	18.242	18.222	18.263	VV	89959	2094832	19.22%	0.562%
328	18.296	18.263	18.312	VV	165023	3758153	34.48%	1.008%
329	18.332	18.312	18.359	VV	180507	4187839	38.43%	1.123%
330	18.377	18.359	18.395	VV	121545	2355020	21.61%	0.631%
331	18.428	18.395	18.444	VV	226896	5004104	45.92%	1.342%
332	18.462	18.444	18.521	VV	258132	7703110	70.68%	2.066%
333	18.561	18.521	18.612	VV	305655	9415319	86.39%	2.525%
334	18.663	18.612	18.757	VV	167239	10898371	100.00%	2.922%
335	18.781	18.757	18.818	VV	128710	3968562	36.41%	1.064%
336	18.867	18.818	18.888	VV	175845	5929340	54.41%	1.590%
337	18.897	18.888	18.924	VV	159290	3249036	29.81%	0.871%
338	18.942	18.924	18.960	VV	150631	3030606	27.81%	0.813%
339	18.991	18.960	19.011	VV	238859	5799217	53.21%	1.555%
340	19.020	19.011	19.046	VV	187546	3517935	32.28%	0.943%
341	19.081	19.046	19.104	VV	270072	6710269	61.57%	1.799%
342	19.122	19.104	19.171	VV	158674	5414374	49.68%	1.452%
343	19.245	19.171	19.313	VV	158694	10667286	97.88%	2.860%
344	19.348	19.313	19.391	VV	126224	5408086	49.62%	1.450%
345	19.408	19.391	19.432	VV	133318	3036197	27.86%	0.814%
346	19.451	19.432	19.463	VV	122560	2172079	19.93%	0.582%
347	19.523	19.463	19.536	VV	149259	6120866	56.16%	1.641%
348	19.552	19.536	19.595	VV	152456	4701904	43.14%	1.261%
349	19.611	19.595	19.630	VV	125866	2586402	23.73%	0.694%
350	19.654	19.630	19.678	VV	131981	3485342	31.98%	0.935%
351	19.723	19.678	19.764	VV	150701	7100440	65.15%	1.904%

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352	19.785	19.764	19.820	VV	165953	4510392	41.39%	1.209%
353	19.845	19.820	19.856	VV	112143	2309628	21.19%	0.619%
354	19.874	19.856	19.925	VV	122599	4537684	41.64%	1.217%
355	19.939	19.925	19.971	VV	105883	2729299	25.04%	0.732%
356	20.004	19.971	20.034	VV	137099	4332352	39.75%	1.162%
357	20.105	20.034	20.139	VV	229147	8725015	80.06%	2.340%
358	20.171	20.139	20.183	VV	124958	3037032	27.87%	0.814%
359	20.197	20.183	20.230	VV	130090	3403214	31.23%	0.913%
360	20.241	20.230	20.269	VV	114396	2568781	23.57%	0.689%
361	20.307	20.269	20.357	VV	122198	5850203	53.68%	1.569%
362	20.366	20.357	20.404	VV	104504	2809335	25.78%	0.753%
363	20.447	20.404	20.497	VV	117175	5184803	47.57%	1.390%
364	20.535	20.497	20.549	VV	107030	2966226	27.22%	0.795%
365	20.597	20.549	20.668	VV	130747	7222016	66.27%	1.937%
366	20.695	20.668	20.728	VV	81993	2688000	24.66%	0.721%
367	20.738	20.728	20.752	VV	73866	1025066	9.41%	0.275%
368	20.776	20.752	20.808	VV	79929	2502138	22.96%	0.671%
369	20.818	20.808	20.870	VV	71933	2475411	22.71%	0.664%
370	20.880	20.870	20.891	VV	62592	771507	7.08%	0.207%
371	20.913	20.891	20.943	VV	62738	1885726	17.30%	0.506%
372	20.980	20.943	21.003	VV	71453	2396675	21.99%	0.643%
373	21.018	21.003	21.046	VV	75070	1752428	16.08%	0.470%
374	21.066	21.046	21.100	VV	64612	1896070	17.40%	0.508%
375	21.130	21.100	21.149	VV	63569	1639485	15.04%	0.440%
376	21.166	21.149	21.241	VV	56353	2637611	24.20%	0.707%
377	21.264	21.241	21.315	VV	48192	1843082	16.91%	0.494%
378	21.380	21.315	21.444	VV	43501	2901881	26.63%	0.778%
379	21.466	21.444	21.508	VV	40852	1390120	12.76%	0.373%
380	21.570	21.508	21.734	VV	48128	4627858	42.46%	1.241%
381	21.753	21.734	21.768	VV	22749	430572	3.95%	0.115%
382	21.780	21.768	21.794	VV	22785	344655	3.16%	0.092%
383	21.806	21.794	21.861	VV	22529	674830	6.19%	0.181%
384	21.898	21.861	21.943	VV	31289	1126139	10.33%	0.302%
385	21.984	21.943	22.056	VV	30667	1228895	11.28%	0.330%
386	22.093	22.056	22.167	VV	15651	604830	5.55%	0.162%
387	22.185	22.167	22.220	VV	7875	125009	1.15%	0.034%
Sum of corrected areas:						372925422		

Aliphatic EPH 040225.M Wed Apr 09 04:46:52 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040725AL\
Data File : FC068501.D
Signal(s) : FID1A.ch
Acq On : 07 Apr 2025 16:52
Operator : YP/AJ
Sample : Q1736-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
GST2

Integration File: autoint1.e
Quant Time: Apr 08 02:35:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040225.M
Quant Title : GC Extractables
QLast Update : Mon Apr 07 16:09:59 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)	11.726	5571738	43.208 ug/ml
Spiked Amount	50.000	Recovery	= 86.42%
12) S 1-chlorooctadecane (S...	13.158	4166783	45.297 ug/ml
Spiked Amount	50.000	Recovery	= 90.59%

Target Compounds

(f)=RT Delta > 1/2 Window

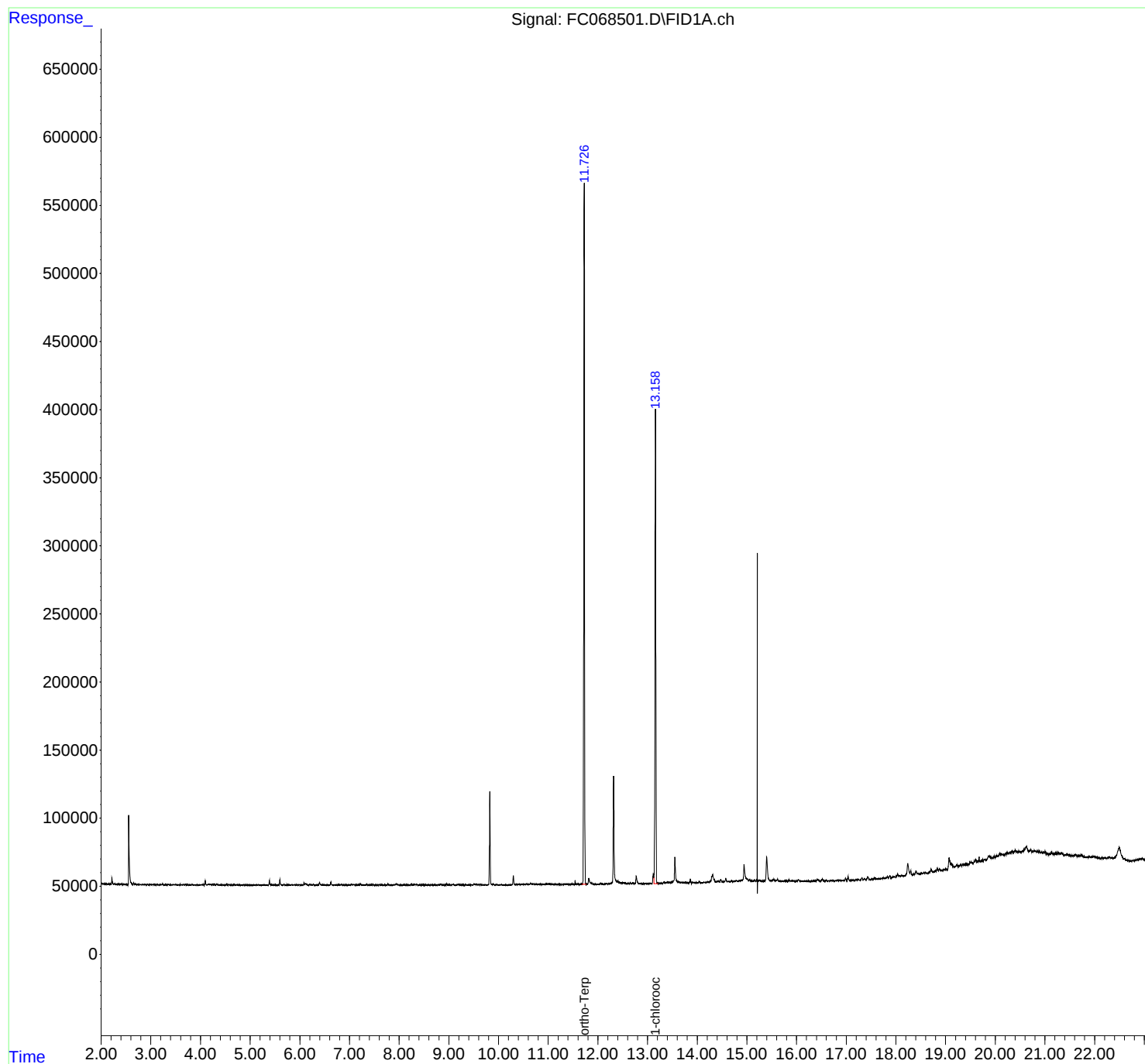
(m)=manual int.

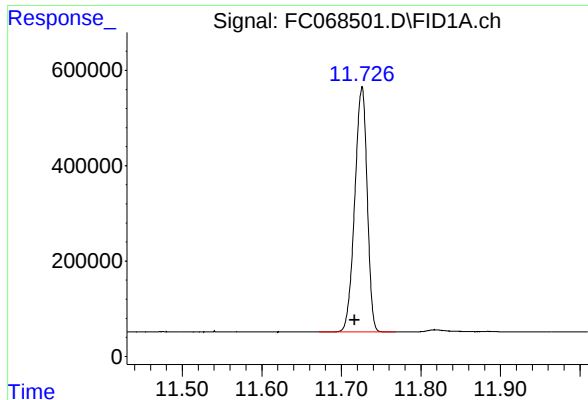
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040725AL\
Data File : FC068501.D
Signal(s) : FID1A.ch
Acq On : 07 Apr 2025 16:52
Operator : YP/AJ
Sample : Q1736-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
GST2

Integration File: autoint1.e
Quant Time: Apr 08 02:35:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040225.M
Quant Title : GC Extractables
QLast Update : Mon Apr 07 16:09:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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

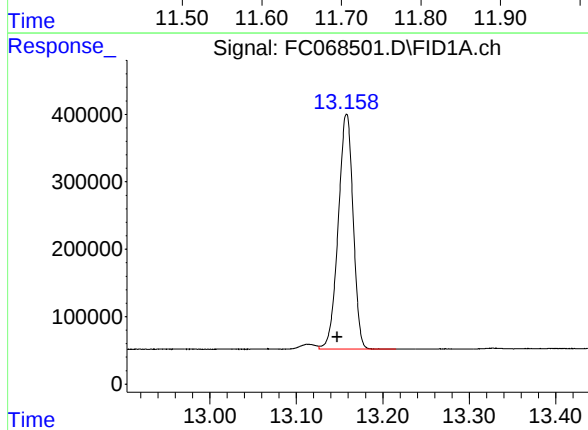




#9 ortho-Terphenyl (SURR)

R.T.: 11.726 min
Delta R.T.: 0.009 min
Response: 5571738
Conc: 43.21 ug/ml

Instrument :
FID_C
ClientSampleId :
GST2



#12 1-chlorooctadecane (SURR)

R.T.: 13.158 min
Delta R.T.: 0.011 min
Response: 4166783
Conc: 45.30 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040725AL\
 Data File : FC068501.D
 Signal(s) : FID1A.ch
 Acq On : 07 Apr 2025 16:52
 Sample : Q1736-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040225.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	2.370	2.321	2.381	BV	80	402	0.01%	0.001%
2	2.388	2.381	2.396	VV	117	636	0.01%	0.002%
3	2.414	2.396	2.444	VV	559	5200	0.09%	0.017%
4	2.469	2.444	2.514	PV	149	2825	0.05%	0.009%
5	2.522	2.514	2.531	VV	86	469	0.01%	0.002%
6	2.555	2.531	2.641	VV	48812	493516	8.84%	1.627%
7	2.655	2.641	2.708	VV	1464	18110	0.32%	0.060%
8	2.710	2.708	2.771	VV	162	2410	0.04%	0.008%
9	2.787	2.771	2.871	VV	147	3971	0.07%	0.013%
10	2.895	2.871	2.921	PV	145	1917	0.03%	0.006%
11	2.927	2.921	2.964	VV	99	1283	0.02%	0.004%
12	2.972	2.964	3.000	VV	86	1321	0.02%	0.004%
13	3.026	3.000	3.053	VV	190	2686	0.05%	0.009%
14	3.072	3.053	3.098	VV	147	1943	0.03%	0.006%
15	3.108	3.098	3.116	PV	105	699	0.01%	0.002%
16	3.136	3.116	3.203	VV	277	6381	0.11%	0.021%
17	3.236	3.203	3.274	VV	570	7694	0.14%	0.025%
18	3.352	3.274	3.414	VV	295	8590	0.15%	0.028%
19	3.450	3.414	3.471	VV	318	3813	0.07%	0.013%
20	3.488	3.471	3.558	VV	104	2829	0.05%	0.009%
21	3.571	3.558	3.583	PV	87	890	0.02%	0.003%
22	3.647	3.583	3.678	VV	312	6555	0.12%	0.022%
23	3.692	3.678	3.737	VV	208	4961	0.09%	0.016%
24	3.753	3.737	3.813	VV	185	4869	0.09%	0.016%
25	3.829	3.813	3.852	VV	116	1894	0.03%	0.006%
26	3.866	3.852	3.909	VV	118	1997	0.04%	0.007%
27	3.937	3.909	3.991	PV	124	4119	0.07%	0.014%
28	3.998	3.991	4.008	VV	128	1018	0.02%	0.003%
29	4.016	4.008	4.027	VV	90	736	0.01%	0.002%
30	4.045	4.027	4.078	VV	151	2974	0.05%	0.010%
31	4.097	4.078	4.117	VV	3243	26607	0.48%	0.088%
32	4.149	4.117	4.198	VV	552	15313	0.27%	0.050%
33	4.209	4.198	4.235	VV	304	5915	0.11%	0.020%
34	4.243	4.235	4.258	VV	264	2940	0.05%	0.010%
35	4.291	4.258	4.309	VV	235	5275	0.09%	0.017%
36	4.326	4.309	4.370	VV	589	8395	0.15%	0.028%

					rt	Area	Height	%Area	%Height
37	4.397	4.370	4.499	VV	221	8264	0.15%	0.027%	
38	4.532	4.499	4.556	VV	782	11157	0.20%	0.037%	
39	4.568	4.556	4.606	VV	274	4651	0.08%	0.015%	
40	4.624	4.606	4.661	VV	238	4462	0.08%	0.015%	
41	4.677	4.661	4.741	VV	473	10191	0.18%	0.034%	
42	4.748	4.741	4.773	VV	193	2722	0.05%	0.009%	
43	4.783	4.773	4.831	VV	252	4357	0.08%	0.014%	
44	4.870	4.831	4.891	VV	225	5354	0.10%	0.018%	
45	4.897	4.891	4.953	VV	174	4090	0.07%	0.013%	
46	4.964	4.953	4.991	VV	176	2462	0.04%	0.008%	
47	5.010	4.991	5.094	VV	175	6264	0.11%	0.021%	
48	5.108	5.094	5.121	VV	209	2260	0.04%	0.007%	
49	5.127	5.121	5.152	VV	208	3184	0.06%	0.010%	
50	5.163	5.152	5.193	VV	198	3238	0.06%	0.011%	
51	5.209	5.193	5.221	VV	143	2142	0.04%	0.007%	
52	5.232	5.221	5.242	VV	161	1606	0.03%	0.005%	
53	5.251	5.242	5.258	VV	122	1056	0.02%	0.003%	
54	5.272	5.258	5.313	VV	297	5497	0.10%	0.018%	
55	5.317	5.313	5.330	VV	155	1176	0.02%	0.004%	
56	5.342	5.330	5.366	VV	149	2112	0.04%	0.007%	
57	5.389	5.366	5.447	PV	3511	36169	0.65%	0.119%	
58	5.459	5.447	5.509	VV	178	5177	0.09%	0.017%	
59	5.528	5.509	5.548	VV	194	3188	0.06%	0.011%	
60	5.572	5.548	5.580	VV	234	3266	0.06%	0.011%	
61	5.598	5.580	5.661	VV	4065	43918	0.79%	0.145%	
62	5.681	5.661	5.711	VV	504	7457	0.13%	0.025%	
63	5.719	5.711	5.731	VV	184	1772	0.03%	0.006%	
64	5.740	5.731	5.755	VV	268	2068	0.04%	0.007%	
65	5.806	5.755	5.864	VV	274	13423	0.24%	0.044%	
66	5.880	5.864	5.904	VV	343	6122	0.11%	0.020%	
67	5.923	5.904	5.973	VV	318	9302	0.17%	0.031%	
68	5.982	5.973	6.035	VV	300	7554	0.14%	0.025%	
69	6.084	6.035	6.108	VV	1392	25392	0.45%	0.084%	
70	6.118	6.108	6.184	VV	891	24390	0.44%	0.080%	
71	6.197	6.184	6.250	VV	522	11873	0.21%	0.039%	
72	6.269	6.250	6.313	VV	362	8154	0.15%	0.027%	
73	6.325	6.313	6.370	VV	257	6641	0.12%	0.022%	
74	6.399	6.370	6.421	VV	2061	25122	0.45%	0.083%	
75	6.432	6.421	6.520	VV	431	10137	0.18%	0.033%	
76	6.551	6.520	6.578	VV	175	4391	0.08%	0.014%	
77	6.581	6.578	6.589	VV	203	833	0.01%	0.003%	
78	6.594	6.589	6.608	VV	141	1053	0.02%	0.003%	
79	6.625	6.608	6.652	VV	2365	22887	0.41%	0.075%	
80	6.671	6.652	6.688	VV	138	2050	0.04%	0.007%	
81	6.705	6.688	6.713	VV	168	1799	0.03%	0.006%	
82	6.729	6.713	6.746	VV	143	2319	0.04%	0.008%	
83	6.755	6.746	6.768	VV	124	1411	0.03%	0.005%	
84	6.780	6.768	6.794	VV	153	1602	0.03%	0.005%	
85	6.832	6.794	6.919	VV	340	13105	0.23%	0.043%	
86	6.934	6.919	6.967	PV	138	2486	0.04%	0.008%	
87	7.036	6.967	7.164	VV	376	25747	0.46%	0.085%	
88	7.177	7.164	7.201	VV	181	2819	0.05%	0.009%	
89	7.218	7.201	7.291	VV	1068	15955	0.29%	0.053%	

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90	7.320	7.291	7.331	VV	155	2489	0.04%	0.008%
91	7.349	7.331	7.371	VV	530	6662	0.12%	0.022%
92	7.377	7.371	7.432	VV	151	4304	0.08%	0.014%
93	7.480	7.432	7.515	VV	314	6540	0.12%	0.022%
94	7.534	7.515	7.554	VV	177	3324	0.06%	0.011%
95	7.567	7.554	7.583	VV	191	2691	0.05%	0.009%
96	7.605	7.583	7.621	VV	228	3887	0.07%	0.013%
97	7.627	7.621	7.661	VV	197	2514	0.05%	0.008%
98	7.704	7.661	7.750	VV	198	5179	0.09%	0.017%
99	7.775	7.750	7.808	PV	783	11176	0.20%	0.037%
100	7.901	7.808	7.916	VV	245	7594	0.14%	0.025%
101	7.937	7.916	7.952	VV	1042	12651	0.23%	0.042%
102	7.962	7.952	8.024	VV	681	10833	0.19%	0.036%
103	8.036	8.024	8.060	VV	172	2210	0.04%	0.007%
104	8.112	8.060	8.132	VV	185	4546	0.08%	0.015%
105	8.172	8.132	8.197	VV	152	4128	0.07%	0.014%
106	8.246	8.197	8.271	VV	614	10949	0.20%	0.036%
107	8.317	8.271	8.334	VV	864	14575	0.26%	0.048%
108	8.351	8.334	8.404	VV	313	7258	0.13%	0.024%
109	8.415	8.404	8.431	VV	127	1421	0.03%	0.005%
110	8.440	8.431	8.534	VV	118	3875	0.07%	0.013%
111	8.584	8.534	8.624	VV	230	5110	0.09%	0.017%
112	8.656	8.624	8.666	VV	110	1591	0.03%	0.005%
113	8.676	8.666	8.687	VV	122	1160	0.02%	0.004%
114	8.714	8.687	8.742	VV	211	3901	0.07%	0.013%
115	8.797	8.742	8.807	VV	198	5474	0.10%	0.018%
116	8.830	8.807	8.881	VV	503	12572	0.23%	0.041%
117	8.890	8.881	8.904	VV	137	1894	0.03%	0.006%
118	8.907	8.904	8.931	VV	136	1343	0.02%	0.004%
119	8.959	8.931	8.998	VV	905	12276	0.22%	0.040%
120	9.089	8.998	9.154	PV	569	16024	0.29%	0.053%
121	9.183	9.154	9.248	VV	357	13418	0.24%	0.044%
122	9.249	9.248	9.303	VV	198	3272	0.06%	0.011%
123	9.319	9.303	9.328	VV	114	1151	0.02%	0.004%
124	9.393	9.328	9.412	VV	151	5111	0.09%	0.017%
125	9.418	9.412	9.447	VV	105	1614	0.03%	0.005%
126	9.475	9.447	9.486	VV	174	2706	0.05%	0.009%
127	9.509	9.486	9.544	VV	857	16832	0.30%	0.055%
128	9.555	9.544	9.604	VV	518	11980	0.21%	0.040%
129	9.626	9.604	9.648	VV	315	6151	0.11%	0.020%
130	9.658	9.648	9.718	VV	207	6179	0.11%	0.020%
131	9.737	9.718	9.761	VV	242	3458	0.06%	0.011%
132	9.826	9.761	9.878	VV	68439	678980	12.16%	2.239%
133	9.890	9.878	9.928	VV	654	9452	0.17%	0.031%
134	9.953	9.928	10.014	VV	491	9229	0.17%	0.030%
135	10.030	10.014	10.040	PV	146	1208	0.02%	0.004%
136	10.059	10.040	10.081	VV	279	3279	0.06%	0.011%
137	10.101	10.081	10.168	VV	179	3430	0.06%	0.011%
138	10.207	10.168	10.221	VV	109	2019	0.04%	0.007%
139	10.225	10.221	10.233	VV	126	457	0.01%	0.002%
140	10.301	10.233	10.361	VV	6771	80731	1.45%	0.266%
141	10.374	10.361	10.384	VV	320	4004	0.07%	0.013%

					rteres			
142	10.403	10.384	10.422	VV	405	7264	0.13%	0.024%
143	10.431	10.422	10.460	VV	313	5998	0.11%	0.020%
144	10.494	10.460	10.511	VV	352	8873	0.16%	0.029%
145	10.559	10.511	10.617	VV	659	27165	0.49%	0.090%
146	10.647	10.617	10.674	VV	1138	22189	0.40%	0.073%
147	10.692	10.674	10.749	VV	705	22985	0.41%	0.076%
148	10.792	10.749	10.814	VV	488	15193	0.27%	0.050%
149	10.831	10.814	10.870	VV	402	9568	0.17%	0.032%
150	10.882	10.870	10.921	VV	262	6883	0.12%	0.023%
151	10.949	10.921	10.968	VV	515	9945	0.18%	0.033%
152	10.985	10.968	11.000	VV	492	8517	0.15%	0.028%
153	11.024	11.000	11.051	VV	640	15049	0.27%	0.050%
154	11.068	11.051	11.102	VV	393	8890	0.16%	0.029%
155	11.145	11.102	11.192	VV	282	10444	0.19%	0.034%
156	11.251	11.192	11.275	VV	224	6176	0.11%	0.020%
157	11.328	11.275	11.350	VV	454	8587	0.15%	0.028%
158	11.369	11.350	11.383	VV	535	6582	0.12%	0.022%
159	11.396	11.383	11.430	VV	419	6091	0.11%	0.020%
160	11.441	11.430	11.453	VV	109	1033	0.02%	0.003%
161	11.475	11.453	11.516	VV	586	9424	0.17%	0.031%
162	11.524	11.516	11.549	VV	106	3685	0.07%	0.012%
163	11.564	11.549	11.588	VV	441	7438	0.13%	0.025%
164	11.594	11.588	11.621	VV	363	3400	0.06%	0.011%
165	11.726	11.621	11.768	PV	509188	5583484	100.00%	18.410%
166	11.818	11.768	11.869	VV	4463	88318	1.58%	0.291%
167	11.886	11.869	11.939	VV	1093	16383	0.29%	0.054%
168	11.958	11.939	11.988	VV	162	1986	0.04%	0.007%
169	12.004	11.988	12.026	VV	180	2252	0.04%	0.007%
170	12.059	12.026	12.104	VV	845	16547	0.30%	0.055%
171	12.115	12.104	12.140	VV	187	2868	0.05%	0.009%
172	12.166	12.140	12.201	VV	722	12133	0.22%	0.040%
173	12.317	12.201	12.386	VV	78951	1021189	18.29%	3.367%
174	12.403	12.386	12.484	VV	2749	78569	1.41%	0.259%
175	12.497	12.484	12.583	VV	818	40171	0.72%	0.132%
176	12.596	12.583	12.614	VV	407	6493	0.12%	0.021%
177	12.649	12.614	12.684	VV	895	19347	0.35%	0.064%
178	12.708	12.684	12.730	VV	1020	14581	0.26%	0.048%
179	12.772	12.730	12.848	VV	5783	98655	1.77%	0.325%
180	12.877	12.848	12.893	VV	298	4743	0.08%	0.016%
181	12.921	12.893	12.932	VV	138	2312	0.04%	0.008%
182	12.948	12.932	12.957	VV	216	2289	0.04%	0.008%
183	12.969	12.957	13.001	VV	285	3869	0.07%	0.013%
184	13.021	13.001	13.041	PV	194	3367	0.06%	0.011%
185	13.068	13.041	13.085	VV	472	6612	0.12%	0.022%
186	13.114	13.085	13.126	VV	7169	92112	1.65%	0.304%
187	13.158	13.126	13.231	VV	349971	4175166	74.78%	13.766%
188	13.244	13.231	13.255	VV	271	2630	0.05%	0.009%
189	13.274	13.255	13.299	VV	403	6327	0.11%	0.021%
190	13.328	13.299	13.350	VV	1386	21874	0.39%	0.072%
191	13.369	13.350	13.381	VV	811	12709	0.23%	0.042%
192	13.397	13.381	13.424	VV	881	20123	0.36%	0.066%
193	13.441	13.424	13.478	VV	835	22681	0.41%	0.075%
194	13.549	13.478	13.695	VV	19603	352384	6.31%	1.162%

					rteres			
195	13.742	13.695	13.811	VV	712	34725	0.62%	0.114%
196	13.859	13.811	13.884	VV	3082	44477	0.80%	0.147%
197	13.907	13.884	13.921	VV	603	9352	0.17%	0.031%
198	13.929	13.921	13.949	VV	508	6618	0.12%	0.022%
199	13.959	13.949	13.993	VV	336	6676	0.12%	0.022%
200	14.003	13.993	14.013	VV	222	2495	0.04%	0.008%
201	14.038	14.013	14.085	VV	1345	20933	0.37%	0.069%
202	14.147	14.085	14.184	VV	511	18211	0.33%	0.060%
203	14.208	14.184	14.233	VV	861	14861	0.27%	0.049%
204	14.310	14.233	14.373	VV	6082	202562	3.63%	0.668%
205	14.423	14.373	14.450	VV	1181	44195	0.79%	0.146%
206	14.474	14.450	14.517	VV	2502	54142	0.97%	0.179%
207	14.530	14.517	14.548	VV	888	14542	0.26%	0.048%
208	14.575	14.548	14.611	VV	3198	59945	1.07%	0.198%
209	14.635	14.611	14.661	VV	845	21443	0.38%	0.071%
210	14.691	14.661	14.721	VV	1483	34614	0.62%	0.114%
211	14.790	14.721	14.813	VV	1658	56055	1.00%	0.185%
212	14.851	14.813	14.868	VV	1395	36955	0.66%	0.122%
213	14.875	14.868	14.883	VV	1351	11839	0.21%	0.039%
214	14.942	14.883	15.038	VV	13052	348188	6.24%	1.148%
215	15.056	15.038	15.133	VV	1733	72476	1.30%	0.239%
216	15.156	15.133	15.180	VV	1315	31437	0.56%	0.104%
217	15.208	15.180	15.241	VV	73651	185986	3.33%	0.613%
218	15.248	15.241	15.261	VV	1152	13481	0.24%	0.044%
219	15.265	15.261	15.328	VV	1175	38321	0.69%	0.126%
220	15.341	15.328	15.358	VV	822	14138	0.25%	0.047%
221	15.397	15.358	15.507	VV	18441	396964	7.11%	1.309%
222	15.532	15.507	15.571	VV	1942	52908	0.95%	0.174%
223	15.617	15.571	15.645	VV	1764	47228	0.85%	0.156%
224	15.664	15.645	15.708	VV	854	21961	0.39%	0.072%
225	15.718	15.708	15.738	VV	528	8659	0.16%	0.029%
226	15.778	15.738	15.820	VV	642	24798	0.44%	0.082%
227	15.846	15.820	15.903	VV	1244	35225	0.63%	0.116%
228	15.926	15.903	15.991	VV	796	28158	0.50%	0.093%
229	15.999	15.991	16.007	VV	476	3954	0.07%	0.013%
230	16.035	16.007	16.118	VV	1380	38000	0.68%	0.125%
231	16.143	16.118	16.158	VV	261	4856	0.09%	0.016%
232	16.176	16.158	16.185	VV	227	2913	0.05%	0.010%
233	16.222	16.185	16.299	VV	375	15551	0.28%	0.051%
234	16.344	16.299	16.387	PV	423	11009	0.20%	0.036%
235	16.418	16.387	16.466	VV	1495	33450	0.60%	0.110%
236	16.477	16.466	16.486	VV	342	3449	0.06%	0.011%
237	16.518	16.486	16.570	VV	1323	26719	0.48%	0.088%
238	16.601	16.570	16.624	VV	686	10510	0.19%	0.035%
239	16.649	16.624	16.670	PV	116	2610	0.05%	0.009%
240	16.681	16.670	16.696	VV	217	2555	0.05%	0.008%
241	16.710	16.696	16.731	VV	274	3311	0.06%	0.011%
242	16.741	16.731	16.781	VV	194	3572	0.06%	0.012%
243	16.796	16.781	16.813	VV	188	2039	0.04%	0.007%
244	16.834	16.813	16.860	VV	332	4466	0.08%	0.015%
245	16.887	16.860	16.941	VV	385	6370	0.11%	0.021%
246	16.985	16.941	17.011	PV	1342	22189	0.40%	0.073%

					rteres			
247	17.037	17.011	17.077	VV	3007	41379	0.74%	0.136%
248	17.112	17.077	17.128	PV	223	2932	0.05%	0.010%
249	17.140	17.128	17.160	VV	260	2345	0.04%	0.008%
250	17.191	17.160	17.201	PV	215	3050	0.05%	0.010%
251	17.245	17.201	17.280	VV	519	12036	0.22%	0.040%
252	17.316	17.280	17.344	PV	1877	28708	0.51%	0.095%
253	17.364	17.344	17.399	VV	723	16127	0.29%	0.053%
254	17.434	17.399	17.468	VV	2040	39363	0.70%	0.130%
255	17.486	17.468	17.500	VV	156	2214	0.04%	0.007%
256	17.525	17.500	17.535	PV	327	3321	0.06%	0.011%
257	17.570	17.535	17.631	VV	697	20315	0.36%	0.067%
258	17.657	17.631	17.694	VV	319	6157	0.11%	0.020%
259	17.751	17.694	17.766	PV	339	9513	0.17%	0.031%
260	17.830	17.766	17.850	VV	1212	24669	0.44%	0.081%
261	17.875	17.850	17.905	VV	1851	28019	0.50%	0.092%
262	17.966	17.905	17.981	PV	769	19750	0.35%	0.065%
263	18.036	17.981	18.092	VV	2081	71376	1.28%	0.235%
264	18.112	18.092	18.138	VV	1238	23414	0.42%	0.077%
265	18.238	18.138	18.279	VV	9340	255913	4.58%	0.844%
266	18.298	18.279	18.337	VV	4216	80654	1.44%	0.266%
267	18.404	18.337	18.467	VV	3489	127056	2.28%	0.419%
268	18.510	18.467	18.541	VV	1550	54059	0.97%	0.178%
269	18.566	18.541	18.578	VV	1695	30516	0.55%	0.101%
270	18.591	18.578	18.641	VV	1524	48732	0.87%	0.161%
271	18.708	18.641	18.750	VV	3426	130481	2.34%	0.430%
272	18.831	18.750	18.856	VV	3839	150286	2.69%	0.496%
273	18.876	18.856	18.954	VV	3388	145311	2.60%	0.479%
274	18.974	18.954	18.986	VV	2590	46606	0.83%	0.154%
275	19.005	18.986	19.028	VV	2802	62800	1.12%	0.207%
276	19.070	19.028	19.176	VV	10702	509100	9.12%	1.679%
277	19.228	19.176	19.268	VV	5150	233379	4.18%	0.769%
278	19.308	19.268	19.324	VV	5183	158001	2.83%	0.521%
279	19.355	19.324	19.368	VV	5069	123904	2.22%	0.409%
280	19.409	19.368	19.451	VV	5326	241796	4.33%	0.797%
281	19.492	19.451	19.502	VV	6239	165889	2.97%	0.547%
282	19.512	19.502	19.526	VV	6186	85504	1.53%	0.282%
283	19.536	19.526	19.558	VV	6090	108515	1.94%	0.358%
284	19.605	19.558	19.629	VV	7743	281059	5.03%	0.927%
285	19.638	19.629	19.650	VV	6313	77047	1.38%	0.254%
286	19.673	19.650	19.704	VV	7776	215050	3.85%	0.709%
287	19.721	19.704	19.734	VV	6510	113957	2.04%	0.376%
288	19.781	19.734	19.814	VV	7459	330520	5.92%	1.090%
289	19.870	19.814	19.911	VV	9546	482077	8.63%	1.590%
290	19.919	19.911	19.942	VV	8393	152020	2.72%	0.501%
291	19.979	19.942	19.997	VV	8953	270166	4.84%	0.891%
292	20.019	19.997	20.038	VV	8766	205527	3.68%	0.678%
293	20.052	20.038	20.071	VV	9196	178390	3.19%	0.588%
294	20.091	20.071	20.108	VV	10767	222425	3.98%	0.733%
295	20.141	20.108	20.154	VV	10010	268822	4.81%	0.886%
296	20.170	20.154	20.188	VV	9857	189741	3.40%	0.626%
297	20.244	20.188	20.261	VV	10655	443517	7.94%	1.462%
298	20.295	20.261	20.306	VV	10493	278488	4.99%	0.918%
299	20.339	20.306	20.371	VV	11518	422247	7.56%	1.392%

					rteres			
300	20.402	20.371	20.448	VV	11791	504845	9.04%	1.665%
301	20.479	20.448	20.501	VV	11023	334777	6.00%	1.104%
302	20.625	20.501	20.693	VV	13912	1313585	23.53%	4.331%
303	20.718	20.693	20.738	VV	11036	282644	5.06%	0.932%
304	20.751	20.738	20.762	VV	10196	145084	2.60%	0.478%
305	20.795	20.762	20.815	VV	10298	317838	5.69%	1.048%
306	20.835	20.815	20.844	VV	9571	166575	2.98%	0.549%
307	20.853	20.844	20.874	VV	9614	162568	2.91%	0.536%
308	20.885	20.874	20.923	VV	9441	261497	4.68%	0.862%
309	20.935	20.923	20.950	VV	8649	137370	2.46%	0.453%
310	20.971	20.950	21.086	VV	8993	640814	11.48%	2.113%
311	21.135	21.086	21.165	VV	7789	333657	5.98%	1.100%
312	21.176	21.165	21.190	VV	7075	102731	1.84%	0.339%
313	21.206	21.190	21.224	VV	7079	135038	2.42%	0.445%
314	21.269	21.224	21.311	VV	7042	343773	6.16%	1.133%
315	21.335	21.311	21.389	VV	6474	277646	4.97%	0.915%
316	21.411	21.389	21.423	VV	5360	106491	1.91%	0.351%
317	21.458	21.423	21.525	VV	5383	295148	5.29%	0.973%
318	21.539	21.525	21.568	VV	4242	103660	1.86%	0.342%
319	21.615	21.568	21.651	VV	4375	199665	3.58%	0.658%
320	21.665	21.651	21.678	VV	3519	55678	1.00%	0.184%
321	21.681	21.678	21.690	VV	3552	25793	0.46%	0.085%
322	21.728	21.690	21.778	VV	3992	179386	3.21%	0.591%
323	21.784	21.778	21.822	VV	2730	59522	1.07%	0.196%
324	21.840	21.822	21.875	VV	2313	63058	1.13%	0.208%
325	21.895	21.875	21.917	VV	2220	48580	0.87%	0.160%
326	21.927	21.917	21.945	VV	2113	31308	0.56%	0.103%
327	21.986	21.945	22.034	VV	2090	90156	1.61%	0.297%
328	22.042	22.034	22.117	VV	1327	38208	0.68%	0.126%
Sum of corrected areas:					30328774			

Aliphatic EPH 040225.M Tue Apr 08 03:25:04 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040725AL\
Data File : FC068498.D
Signal(s) : FID1A.ch
Acq On : 07 Apr 2025 15:00
Operator : YP/AJ
Sample : PB167477BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB167477BL

Integration File: autoint1.e
Quant Time: Apr 08 02:33:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040225.M
Quant Title : GC Extractables
QLast Update : Mon Apr 07 16:09:59 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)	11.726	4743922	36.788 ug/ml
Spiked Amount	50.000	Recovery	= 73.58%
12) S 1-chlorooctadecane (S...	13.157	3572616	38.837 ug/ml
Spiked Amount	50.000	Recovery	= 77.67%

Target Compounds

(f)=RT Delta > 1/2 Window

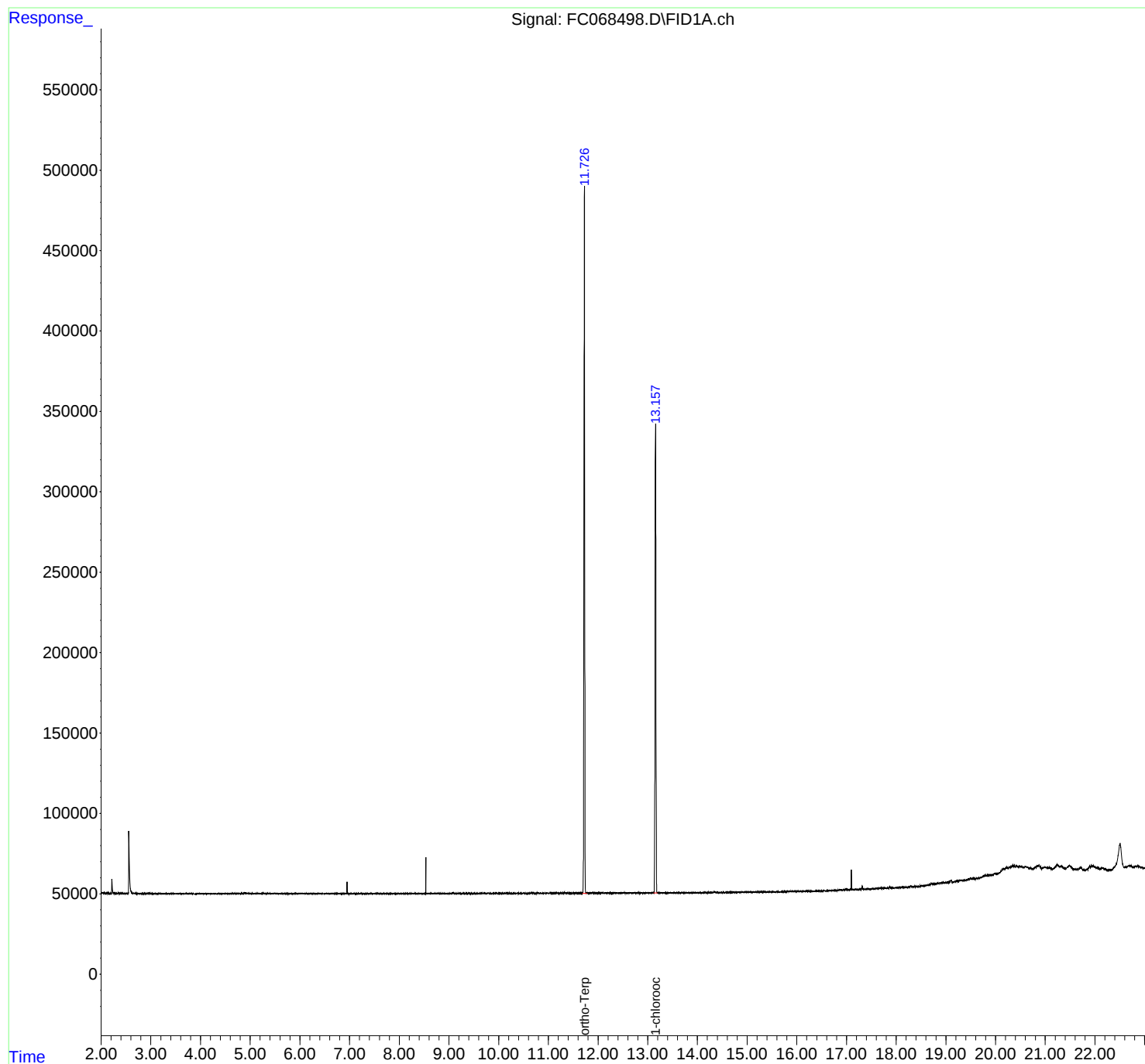
(m)=manual int.

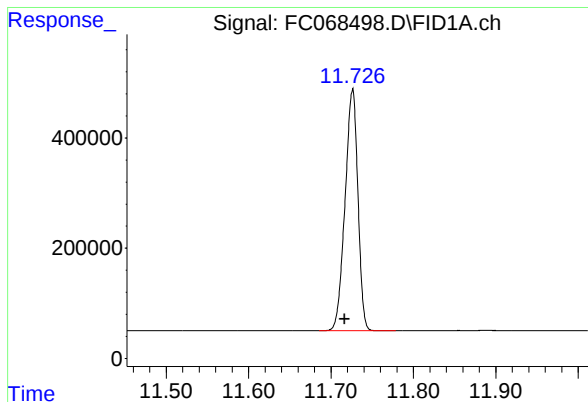
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040725AL\
Data File : FC068498.D
Signal(s) : FID1A.ch
Acq On : 07 Apr 2025 15:00
Operator : YP/AJ
Sample : PB167477BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB167477BL

Integration File: autoint1.e
Quant Time: Apr 08 02:33:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040225.M
Quant Title : GC Extractables
QLast Update : Mon Apr 07 16:09:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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

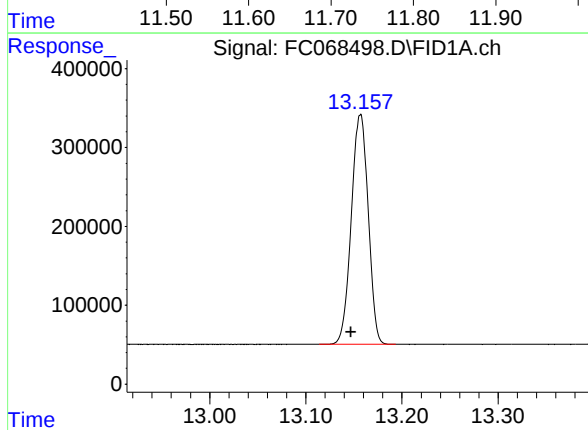




#9 ortho-Terphenyl (SURR)

R.T.: 11.726 min
Delta R.T.: 0.009 min
Response: 4743922
Conc: 36.79 ug/ml

Instrument :
FID_C
ClientSampleId :
PB167477BL



#12 1-chlorooctadecane (SURR)

R.T.: 13.157 min
Delta R.T.: 0.009 min
Response: 3572616
Conc: 38.84 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040725AL\
 Data File : FC068498.D
 Signal(s) : FID1A.ch
 Acq On : 07 Apr 2025 15:00
 Sample : PB167477BL
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040225.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	11.726	11.685	11.779	BB	436095	4743922	100.00%	57.042%
2	13.157	13.114	13.194	BB	291694	3572616	75.31%	42.958%
Sum of corrected areas:						8316538		

Aliphatic EPH 040225.M Tue Apr 08 03:18:41 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040725AL\
 Data File : FC068499.D
 Signal(s) : FID1A.ch
 Acq On : 07 Apr 2025 15:38
 Operator : YP/AJ
 Sample : PB167477BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :

FID_C

ClientSampleId :

PB167477BS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/08/2025

Supervised By :mohammad ahmed 04/09/2025

Integration File: autoint1.e

Quant Time: Apr 08 02:34:01 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040225.M

Quant Title : GC Extractables

QLast Update : Mon Apr 07 16:09:59 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)	11.723	5017440	38.909 ug/ml
Spiked Amount 50.000		Recovery =	77.82%
12) S 1-chlorooctadecane (S...	13.155	3829400	41.629 ug/ml
Spiked Amount 50.000		Recovery =	83.26%
Target Compounds			
1) T n-Nonane (C9)	3.464	4527194	40.627 ug/ml
2) T n-Decane (C10)	4.534	4837407	41.543 ug/ml
3) T A~Naphthalene (C11.7)	6.128	5511580	44.068 ug/ml
4) T n-Dodecane (C12)	6.555	4958100	43.841 ug/ml
5) T A~2-methylnaphthalene...	7.185	5022144	41.967 ug/ml
6) T n-Tetradecane (C14)	8.353	4912505	44.017 ug/ml
7) T n-Hexadecane (C16)	9.954	4984029	43.594 ug/ml
8) T n-Octadecane (C18)	11.398	4949660	43.170 ug/ml
10) T n-Eicosane (C20)	12.710	5085985	46.494 ug/ml
11) T n-Heneicosane (C21)	13.322	4883757	45.790 ug/ml
13) T n-Docosane (C22)	13.909	4844280	44.869 ug/ml
14) T n-Tetracosane (C24)	15.008	9965257	89.396 ug/ml
15) T n-Hexacosane (C26)	16.038	4743872	42.652 ug/ml
16) T n-Octacosane (C28)	16.987	4726739	42.689 ug/ml
17) T n-Tricontane (C30)	17.877	4634804	41.928 ug/ml
18) T n-Dotriacontane (C32)	18.711	4475417	42.992 ug/ml
19) T n-Tetratriacontane (C34)	19.496	4317114	48.077 ug/ml
20) T n-Hexatriacontane (C36)	20.236	3968013	53.005 ug/ml
21) T n-Octatriacontane (C38)	21.016	3656573	58.487 ug/ml
22) T n-Tetracontane (C40)	22.000	3268804	69.965 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040725AL\
Data File : FC068499.D
Signal(s) : FID1A.ch
Acq On : 07 Apr 2025 15:38
Operator : YP/AJ
Sample : PB167477BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :

FID_C

ClientSampleId :

PB167477BS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/08/2025

Supervised By :mohammad ahmed 04/09/2025

Integration File: autoint1.e

Quant Time: Apr 08 02:34:01 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040225.M

Quant Title : GC Extractables

QLast Update : Mon Apr 07 16:09:59 2025

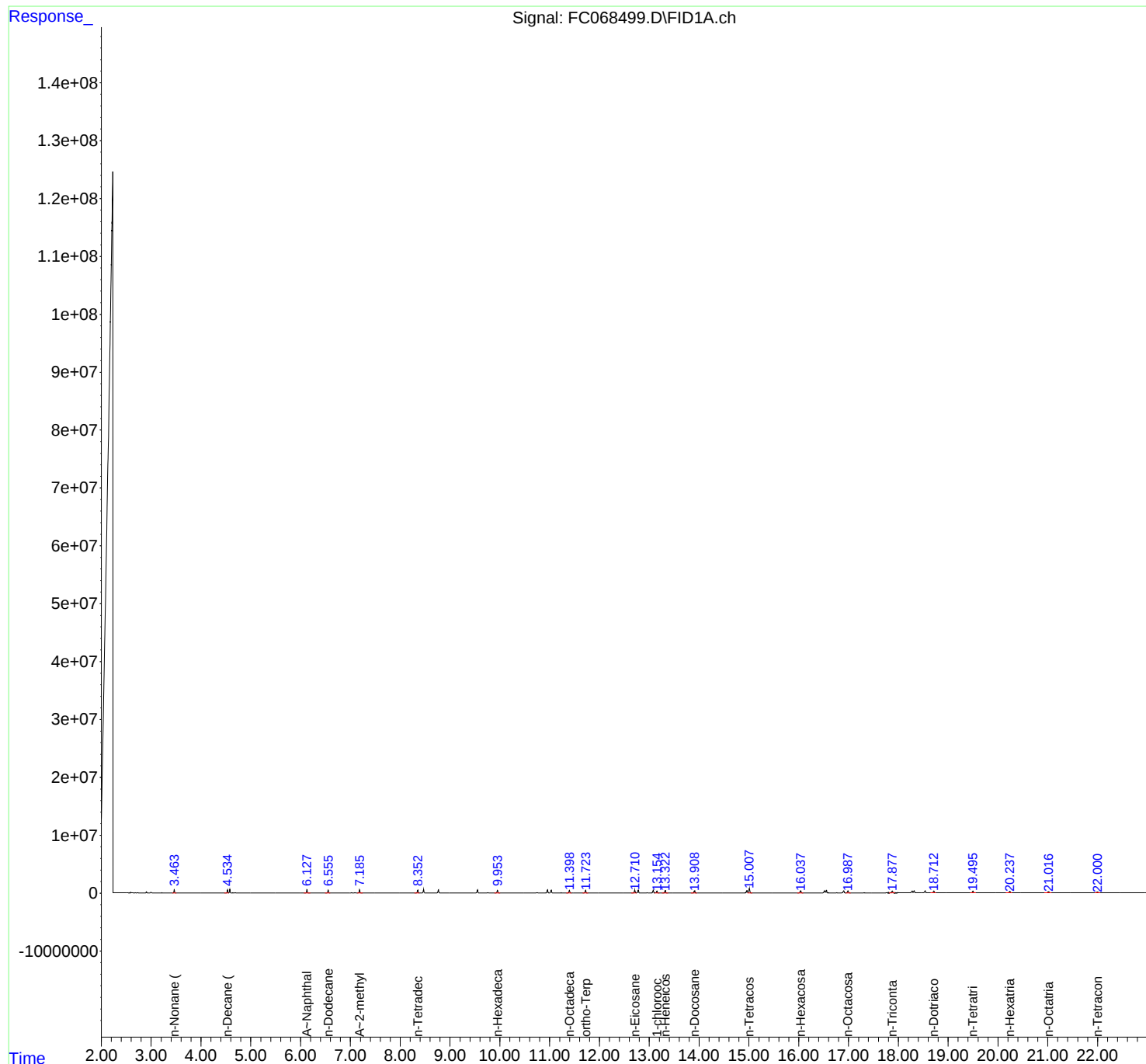
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um



Instrument :

FID_C

ClientSampleId :

PB167477BS

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/08/2025

Supervised By :mohammad ahmed 04/09/2025

rteres

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC04072
 Data File : FC068499.D
 Signal(s) : FID1A.ch
 Acq On : 07 Apr 2025 15:38
 Sample : PB167477BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040225.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	3.464	3.429	3.505	BB	546670	4527194	45.43%	2.518%
2	4.534	4.470	4.557	BV	544019	4837407	48.54%	2.690%
3	4.580	4.557	4.624	VV	614789	5250809	52.69%	2.920%
4	6.128	6.064	6.194	BB	601921	5511580	55.31%	3.065%
5	6.555	6.490	6.594	BB	511436	4958100	49.75%	2.757%
6	7.185	7.137	7.247	BB	523509	5022144	50.40%	2.793%
7	8.353	8.284	8.385	BB	481059	4912505	49.30%	2.732%
8	8.471	8.404	8.519	BB	560218	5544472	55.64%	3.084%
9	8.768	8.705	8.810	BB	555818	5559081	55.78%	3.092%
10	9.553	9.490	9.610	BB	547113	5610750	56.30%	3.120%
11	9.954	9.889	10.007	BB	460776	4984029	50.01%	2.772%
12	10.957	10.874	10.994	BV	522491	5452296	54.71%	3.032%
13	11.033	10.994	11.050	PBA	496684	5222298	52.41%	2.904%
14	11.398	11.334	11.435	BB	449117	4949660	49.67%	2.753%
15	11.723	11.664	11.769	BB	467739	5017440	50.35%	2.790%
16	12.710	12.642	12.744	BV	434502	5085985	51.04%	2.829%
17	12.780	12.744	12.825	VB	476941	5455267	54.74%	3.034%
18	13.080	13.007	13.108	BV	479155	5356971	53.76%	2.979%
19	13.155	13.108	13.204	VB	317809	3829400	38.43%	2.130%
20	13.322	13.250	13.375	BB	403386	4883757	49.01%	2.716%
21	13.909	13.839	13.954	BB	383709	4844280	48.61%	2.694%
22	14.960	14.892	14.980	BV	402458	5221497	52.40%	2.904%
23	15.008	14.980	15.069	VB	767501	9965257	100.00%	5.542%
24	16.038	15.972	16.090	BB	358784	4743872	47.60%	2.638%
25	16.520	16.445	16.536	BV	350157	5155766	51.74%	2.867%
26	16.556	16.536	16.584	VV	447055	5127612	51.45%	2.852%
27	16.903	16.825	16.942	BV	377907	4938496	49.56%	2.747%
28	16.987	16.942	17.045	VB	352854	4726739	47.43%	2.629%
29	17.877	17.812	17.932	BB	341415	4634804	46.51%	2.578%
30	18.278	18.195	18.293	BV	286393	3259300	32.71%	1.813%
31	18.538	18.442	18.604	BB	354096	5029490	50.47%	2.797%
32	18.711	18.645	18.755	BB	311626	4475417	44.91%	2.489%
33	19.496	19.440	19.555	BB	311085	4317114	43.32%	2.401%
34	20.236	20.157	20.280	VV	256469	3968013	39.82%	2.207%
35	21.016	20.930	21.075	BV	197393	3656573	36.69%	2.034%
36	21.998	21.922	22.062	PV	130997	3316975	33.29%	1.845%

37 22.495 22.217 22.594 BB 8382 452451 4.54% 0.252%
rteres
Sum of corrected areas: 1798

Aliphatic EPH 040225.M Tue Apr 08 03:21:02 2025

Instrument :

FID_C

ClientSampleId :

PB167477BS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/08/2025

Supervised By :mohammad ahmed 04/09/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040725AL\
 Data File : FC068500.D
 Signal(s) : FID1A.ch
 Acq On : 07 Apr 2025 16:15
 Operator : YP/AJ
 Sample : PB167477BSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 PB167477BSD

A
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Integration File: autoint1.e
 Quant Time: Apr 08 02:34:32 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040225.M
 Quant Title : GC Extractables
 QLast Update : Mon Apr 07 16:09:59 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)	11.726	5016735	38.904 ug/ml
Spiked Amount 50.000		Recovery =	77.81%
12) S 1-chlorooctadecane (S...	13.157	3861482	41.978 ug/ml
Spiked Amount 50.000		Recovery =	83.96%
Target Compounds			
1) T n-Nonane (C9)	3.464	4508428	40.459 ug/ml
2) T n-Decane (C10)	4.535	4785213	41.095 ug/ml
3) T A~Naphthalene (C11.7)	6.129	5453427	43.603 ug/ml
4) T n-Dodecane (C12)	6.556	4901450	43.340 ug/ml
5) T A~2-methylnaphthalene...	7.187	4970712	41.537 ug/ml
6) T n-Tetradecane (C14)	8.354	4882699	43.750 ug/ml
7) T n-Hexadecane (C16)	9.957	4983600	43.590 ug/ml
8) T n-Octadecane (C18)	11.401	4975696	43.397 ug/ml
10) T n-Eicosane (C20)	12.712	5134921	46.941 ug/ml
11) T n-Heneicosane (C21)	13.325	4937020	46.289 ug/ml
13) T n-Docosane (C22)	13.912	4897705	45.364 ug/ml
14) T n-Tetracosane (C24)	15.010	10008578	89.784 ug/ml
15) T n-Hexacosane (C26)	16.040	4784492	43.017 ug/ml
16) T n-Octacosane (C28)	16.988	4749112	42.891 ug/ml
17) T n-Tricontane (C30)	17.879	4631669	41.899 ug/ml
18) T n-Dotriacontane (C32)	18.712	4418890	42.449 ug/ml
19) T n-Tetratriacontane (C34)	19.496	4147827	46.191 ug/ml
20) T n-Hexatriacontane (C36)	20.236	3618863	48.341 ug/ml
21) T n-Octatriacontane (C38)	21.015	3235533	51.752 ug/ml
22) T n-Tetracontane (C40)	21.997	3010048	64.427 ug/ml

(f)=RT Delta > 1/2 Window

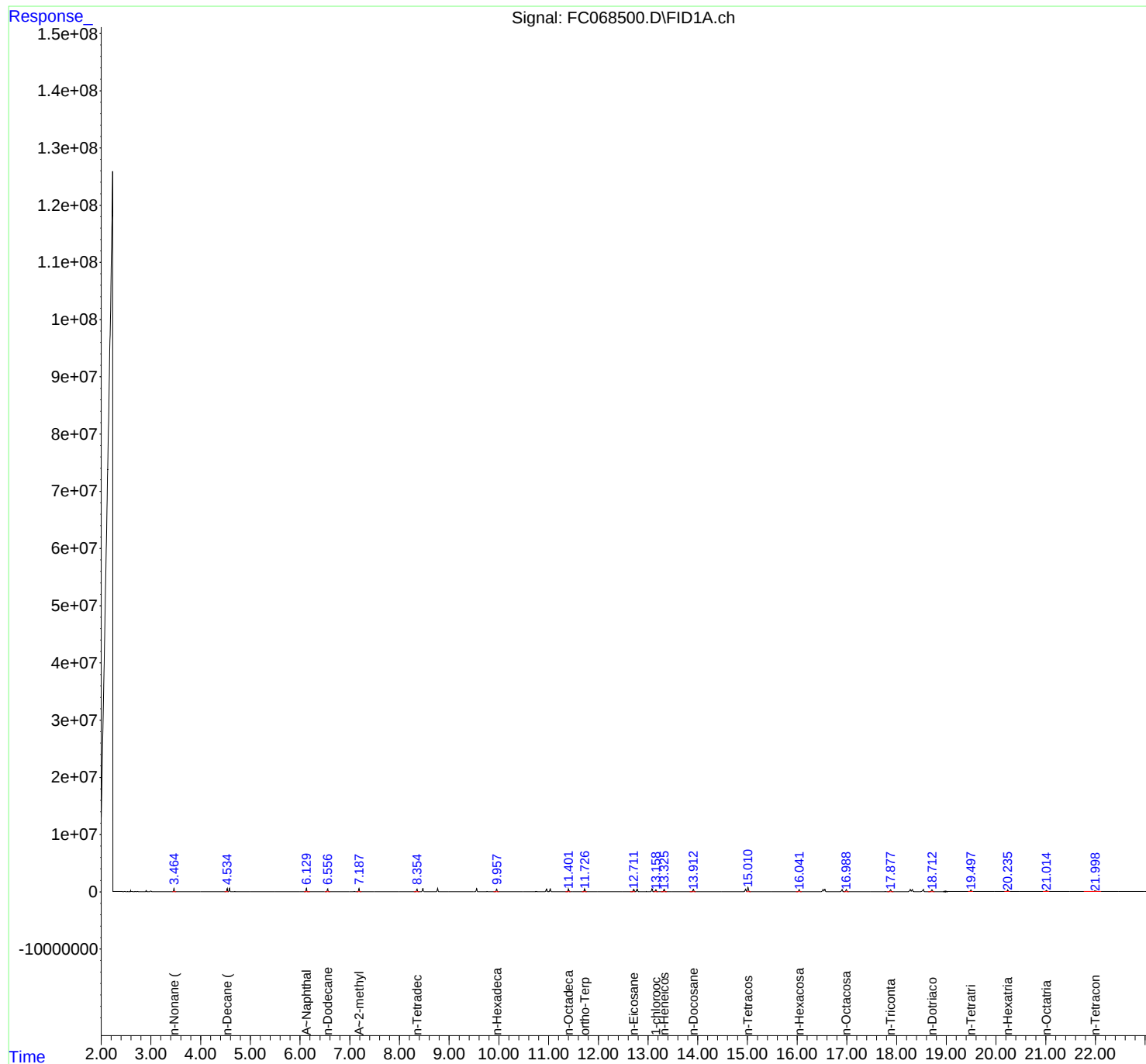
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040725AL\
Data File : FC068500.D
Signal(s) : FID1A.ch
Acq On : 07 Apr 2025 16:15
Operator : YP/AJ
Sample : PB167477BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB167477BSD

Integration File: autoint1.e
Quant Time: Apr 08 02:34:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040225.M
Quant Title : GC Extractables
QLast Update : Mon Apr 07 16:09:59 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_C\Data\FC040725AL\
 Data File : FC068500.D
 Signal(s) : FID1A.ch
 Acq On : 07 Apr 2025 16:15
 Sample : PB167477BSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040225.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	3.464	3.434	3.509	BB	547339	4508428	45.05%	2.534%
2	4.535	4.480	4.557	BV	545784	4785213	47.81%	2.689%
3	4.580	4.557	4.624	VV	599314	5180120	51.76%	2.911%
4	6.129	6.077	6.195	BB	604737	5453427	54.49%	3.065%
5	6.556	6.495	6.600	BB	505570	4901450	48.97%	2.755%
6	7.187	7.139	7.235	BB	529446	4970712	49.66%	2.793%
7	8.354	8.289	8.402	BB	477430	4882699	48.79%	2.744%
8	8.472	8.417	8.510	BB	556109	5504828	55.00%	3.094%
9	8.770	8.707	8.817	BB	590212	5526465	55.22%	3.106%
10	9.555	9.490	9.612	BB	547646	5590292	55.86%	3.142%
11	9.957	9.890	10.004	BB	461372	4983600	49.79%	2.801%
12	10.960	10.877	11.000	BV	517867	5445467	54.41%	3.060%
13	11.035	11.000	11.050	PBA	492607	4990682	49.86%	2.805%
14	11.401	11.337	11.440	BB	446907	4975696	49.71%	2.796%
15	11.726	11.667	11.769	BB	471226	5016735	50.12%	2.819%
16	12.712	12.642	12.744	BV	426415	5134921	51.31%	2.886%
17	12.782	12.744	12.822	VB	473042	5450212	54.46%	3.063%
18	13.082	13.009	13.110	BV	475840	5347864	53.43%	3.005%
19	13.157	13.110	13.200	VB	331809	3861482	38.58%	2.170%
20	13.325	13.254	13.379	BB	412383	4937020	49.33%	2.775%
21	13.912	13.842	13.959	BB	409351	4897705	48.94%	2.752%
22	14.963	14.894	14.982	BV	394353	5210055	52.06%	2.928%
23	15.010	14.982	15.069	VB	756364	10008578	100.00%	5.625%
24	16.040	15.974	16.089	BB	367294	4784492	47.80%	2.689%
25	16.522	16.452	16.537	BV	358129	5100671	50.96%	2.867%
26	16.557	16.537	16.585	VV	417097	5104974	51.01%	2.869%
27	16.904	16.825	16.939	BV	368516	4901599	48.97%	2.755%
28	16.988	16.939	17.039	VB	361838	4749112	47.45%	2.669%
29	17.879	17.814	17.937	BB	339259	4631669	46.28%	2.603%
30	18.279	18.194	18.294	BV	301770	3181963	31.79%	1.788%
31	18.538	18.442	18.592	BB	348418	4978499	49.74%	2.798%
32	18.712	18.634	18.760	BB	321955	4418890	44.15%	2.483%
33	19.496	19.440	19.539	BB	285385	4147827	41.44%	2.331%
34	20.236	20.170	20.279	BV	250061	3618863	36.16%	2.034%
35	21.015	20.940	21.070	BB	177720	3235533	32.33%	1.818%
36	21.997	21.767	22.117	BB	113250	3010048	30.07%	1.692%

37	22.487	22.340	22.644	BB	9509	510920	5.10%	0.287%		
					Sum of corrected areas:		177938711			

Aliphatic EPH 040225.M Tue Apr 08 03:22:08 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040725AL\
 Data File : FC068502.D
 Signal(s) : FID1A.ch
 Acq On : 07 Apr 2025 17:30
 Operator : YP/AJ
 Sample : Q1736-02MS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 GST2MS

A
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Integration File: autoint1.e
 Quant Time: Apr 08 02:35:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040225.M
 Quant Title : GC Extractables
 QLast Update : Mon Apr 07 16:09:59 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)	11.727	5146164	39.908 ug/ml
Spiked Amount 50.000		Recovery =	79.82%
12) S 1-chlorooctadecane (S...	13.158	3943089	42.865 ug/ml
Spiked Amount 50.000		Recovery =	85.73%
Target Compounds			
1) T n-Nonane (C9)	3.465	4875280	43.751 ug/ml
2) T n-Decane (C10)	4.536	5158084	44.297 ug/ml
3) T A~Naphthalene (C11.7)	6.130	5874268	46.968 ug/ml
4) T n-Dodecane (C12)	6.557	5267306	46.575 ug/ml
5) T A~2-methylnaphthalene...	7.188	5352196	44.725 ug/ml
6) T n-Tetradecane (C14)	8.355	5232787	46.887 ug/ml
7) T n-Hexadecane (C16)	9.957	5290154	46.271 ug/ml
8) T n-Octadecane (C18)	11.402	5240139	45.703 ug/ml
10) T n-Eicosane (C20)	12.713	5333151	48.754 ug/ml
11) T n-Heneicosane (C21)	13.326	5085493	47.681 ug/ml
13) T n-Docosane (C22)	13.912	5014096	46.442 ug/ml
14) T n-Tetracosane (C24)	15.011	10129364	90.868 ug/ml
15) T n-Hexacosane (C26)	16.040	4773391	42.917 ug/ml
16) T n-Octacosane (C28)	16.990	4630495	41.820 ug/ml
17) T n-Tricontane (C30)	17.880	4550517	41.165 ug/ml
18) T n-Dotriacontane (C32)	18.713	4453308	42.780 ug/ml
19) T n-Tetratriacontane (C34)	19.498	4498977	50.102 ug/ml
20) T n-Hexatriacontane (C36)	20.240	4404073	58.830 ug/ml
21) T n-Octatriacontane (C38)	21.020	4480852	71.671 ug/ml
22) T n-Tetracontane (C40)	22.005	4466916	95.610 ug/ml

(f)=RT Delta > 1/2 Window

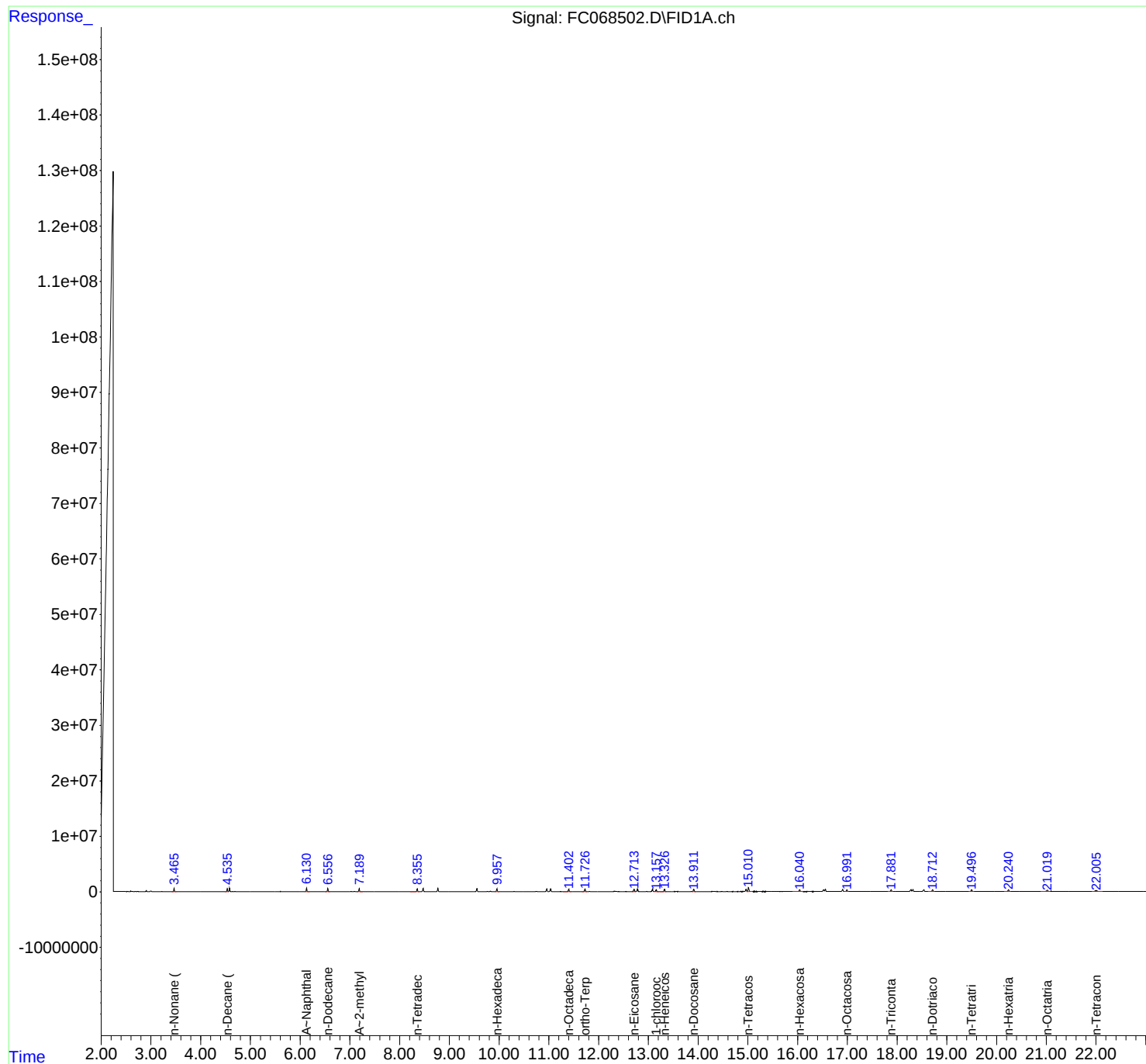
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040725AL\
Data File : FC068502.D
Signal(s) : FID1A.ch
Acq On : 07 Apr 2025 17:30
Operator : YP/AJ
Sample : Q1736-02MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
GST2MS

Integration File: autoint1.e
Quant Time: Apr 08 02:35:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040225.M
Quant Title : GC Extractables
QLast Update : Mon Apr 07 16:09:59 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_C\Data\FC040725AL\
 Data File : FC068502.D
 Signal(s) : FID1A.ch
 Acq On : 07 Apr 2025 17:30
 Sample : Q1736-02MS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040225.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	2.381	2.321	2.407	BV	7453	57859	0.57%	0.026%
2	2.420	2.407	2.449	PV	8454	49149	0.48%	0.022%
3	2.477	2.449	2.511	PV	24058	204658	2.01%	0.093%
4	2.535	2.511	2.553	PV	4384	32791	0.32%	0.015%
5	2.561	2.553	2.581	PV	402	3049	0.03%	0.001%
6	2.592	2.581	2.664	PV	93664	901695	8.84%	0.411%
7	2.684	2.664	2.708	PV	16076	130285	1.28%	0.059%
8	2.731	2.708	2.774	VV	30626	261050	2.56%	0.119%
9	2.784	2.774	2.794	PV	219	1579	0.02%	0.001%
10	2.809	2.794	2.838	VV	1327	12602	0.12%	0.006%
11	2.845	2.838	2.879	VV	250	3878	0.04%	0.002%
12	2.906	2.879	2.969	PV	202005	1503757	14.74%	0.685%
13	2.995	2.969	3.029	VV	114521	1350500	13.24%	0.615%
14	3.046	3.029	3.081	VV	1528	13656	0.13%	0.006%
15	3.094	3.081	3.109	VV	111	936	0.01%	0.000%
16	3.131	3.109	3.142	VV	161	1513	0.01%	0.001%
17	3.156	3.142	3.165	VV	277	2403	0.02%	0.001%
18	3.171	3.165	3.193	VV	242	2259	0.02%	0.001%
19	3.220	3.193	3.243	VV	3877	32402	0.32%	0.015%
20	3.254	3.243	3.271	VV	469	4136	0.04%	0.002%
21	3.292	3.271	3.331	VV	265	5222	0.05%	0.002%
22	3.364	3.331	3.434	PV	618	12157	0.12%	0.006%
23	3.465	3.434	3.545	VV	583285	4880284	47.83%	2.223%
24	3.592	3.545	3.631	PV	358	6091	0.06%	0.003%
25	3.667	3.631	3.694	VV	415	8625	0.08%	0.004%
26	3.713	3.694	3.722	VV	250	2649	0.03%	0.001%
27	3.760	3.722	3.821	VV	1830	30458	0.30%	0.014%
28	3.840	3.821	3.864	VV	186	3469	0.03%	0.002%
29	3.877	3.864	3.931	VV	166	2671	0.03%	0.001%
30	3.962	3.931	3.999	VV	419	6982	0.07%	0.003%
31	4.014	3.999	4.024	VV	123	1182	0.01%	0.001%
32	4.046	4.024	4.076	PV	329	4515	0.04%	0.002%
33	4.104	4.076	4.124	VV	3206	26041	0.26%	0.012%
34	4.151	4.124	4.202	VV	771	19352	0.19%	0.009%
35	4.219	4.202	4.244	VV	288	6027	0.06%	0.003%
36	4.249	4.244	4.284	VV	199	3399	0.03%	0.002%

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37	4.301	4.284	4.317	VV	566	6305	0.06%	0.003%
38	4.333	4.317	4.351	VV	602	6932	0.07%	0.003%
39	4.362	4.351	4.379	VV	471	4457	0.04%	0.002%
40	4.397	4.379	4.412	VV	222	2831	0.03%	0.001%
41	4.438	4.412	4.474	VV	126	2896	0.03%	0.001%
42	4.491	4.474	4.500	VV	100	1363	0.01%	0.001%
43	4.536	4.500	4.558	VV	575735	5160953	50.58%	2.351%
44	4.581	4.558	4.624	VV	640823	5579364	54.68%	2.541%
45	4.642	4.624	4.668	VV	5630	51351	0.50%	0.023%
46	4.688	4.668	4.728	VV	9860	89132	0.87%	0.041%
47	4.745	4.728	4.758	VV	228	2893	0.03%	0.001%
48	4.765	4.758	4.773	VV	150	1427	0.01%	0.001%
49	4.787	4.773	4.806	VV	311	4159	0.04%	0.002%
50	4.824	4.806	4.836	VV	325	3566	0.03%	0.002%
51	4.870	4.836	4.897	VV	262	6637	0.07%	0.003%
52	4.908	4.897	4.979	VV	198	5845	0.06%	0.003%
53	5.012	4.979	5.028	VV	198	3361	0.03%	0.002%
54	5.040	5.028	5.055	VV	200	2018	0.02%	0.001%
55	5.062	5.055	5.093	VV	140	2725	0.03%	0.001%
56	5.109	5.093	5.154	VV	223	5761	0.06%	0.003%
57	5.174	5.154	5.204	VV	256	5185	0.05%	0.002%
58	5.211	5.204	5.244	VV	262	3400	0.03%	0.002%
59	5.256	5.244	5.264	VV	200	1834	0.02%	0.001%
60	5.281	5.264	5.324	VV	262	5236	0.05%	0.002%
61	5.391	5.324	5.455	PV	3226	36049	0.35%	0.016%
62	5.466	5.455	5.481	VV	189	2210	0.02%	0.001%
63	5.490	5.481	5.507	VV	136	1426	0.01%	0.001%
64	5.527	5.507	5.554	VV	166	3310	0.03%	0.002%
65	5.571	5.554	5.588	VV	1621	16226	0.16%	0.007%
66	5.601	5.588	5.663	VV	3921	40959	0.40%	0.019%
67	5.683	5.663	5.724	VV	440	7874	0.08%	0.004%
68	5.729	5.724	5.735	VV	171	881	0.01%	0.000%
69	5.746	5.735	5.784	VV	149	3639	0.04%	0.002%
70	5.804	5.784	5.829	VV	394	7267	0.07%	0.003%
71	5.836	5.829	5.867	VV	233	4061	0.04%	0.002%
72	5.877	5.867	5.907	VV	295	4709	0.05%	0.002%
73	5.944	5.907	5.954	VV	317	7505	0.07%	0.003%
74	5.973	5.954	6.008	VV	343	8343	0.08%	0.004%
75	6.018	6.008	6.043	VV	251	4445	0.04%	0.002%
76	6.085	6.043	6.100	VV	1491	21715	0.21%	0.010%
77	6.130	6.100	6.168	VV	652856	5886895	57.70%	2.681%
78	6.174	6.168	6.188	VV	1073	10908	0.11%	0.005%
79	6.198	6.188	6.251	VV	755	20469	0.20%	0.009%
80	6.272	6.251	6.314	VV	588	15147	0.15%	0.007%
81	6.323	6.314	6.370	VV	379	9846	0.10%	0.004%
82	6.400	6.370	6.421	VV	1971	27138	0.27%	0.012%
83	6.431	6.421	6.477	VV	555	12807	0.13%	0.006%
84	6.497	6.477	6.524	VV	298	6423	0.06%	0.003%
85	6.557	6.524	6.607	VV	550974	5276894	51.72%	2.404%
86	6.626	6.607	6.661	VV	2326	26095	0.26%	0.012%
87	6.675	6.661	6.687	VV	217	2991	0.03%	0.001%
88	6.706	6.687	6.739	VV	575	9355	0.09%	0.004%
89	6.759	6.739	6.791	VV	234	5313	0.05%	0.002%

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90	6.844	6.791	6.864	VV	456	12666	0.12%	0.006%
91	6.880	6.864	6.901	VV	360	5786	0.06%	0.003%
92	6.975	6.901	6.990	VV	472	12603	0.12%	0.006%
93	7.025	6.990	7.058	VV	6462	68357	0.67%	0.031%
94	7.092	7.058	7.144	VV	15017	151967	1.49%	0.069%
95	7.188	7.144	7.298	VV	557215	5372524	52.66%	2.447%
96	7.324	7.298	7.340	VV	2050	24522	0.24%	0.011%
97	7.375	7.340	7.391	VV	3034	43657	0.43%	0.020%
98	7.401	7.391	7.435	VV	1330	19889	0.19%	0.009%
99	7.451	7.435	7.463	VV	1311	13582	0.13%	0.006%
100	7.478	7.463	7.504	VV	1868	22502	0.22%	0.010%
101	7.524	7.504	7.535	VV	562	6763	0.07%	0.003%
102	7.547	7.535	7.564	VV	564	7539	0.07%	0.003%
103	7.575	7.564	7.593	VV	566	6261	0.06%	0.003%
104	7.604	7.593	7.618	VV	228	2564	0.03%	0.001%
105	7.659	7.618	7.687	VV	737	12878	0.13%	0.006%
106	7.703	7.687	7.751	VV	481	9384	0.09%	0.004%
107	7.775	7.751	7.796	VV	883	12800	0.13%	0.006%
108	7.814	7.796	7.861	VV	306	8300	0.08%	0.004%
109	7.904	7.861	7.920	VV	545	11004	0.11%	0.005%
110	7.938	7.920	7.952	VV	1197	14665	0.14%	0.007%
111	7.962	7.952	8.021	VV	685	16315	0.16%	0.007%
112	8.047	8.021	8.081	VV	1770	24094	0.24%	0.011%
113	8.104	8.081	8.158	VV	1212	20000	0.20%	0.009%
114	8.172	8.158	8.184	VV	178	2916	0.03%	0.001%
115	8.217	8.184	8.231	VV	295	6113	0.06%	0.003%
116	8.248	8.231	8.277	VV	703	12812	0.13%	0.006%
117	8.355	8.277	8.396	VV	495285	5233933	51.30%	2.384%
118	8.415	8.396	8.431	VV	298	4601	0.05%	0.002%
119	8.473	8.431	8.521	VV	598693	5863816	57.47%	2.671%
120	8.540	8.521	8.555	VV	367	5341	0.05%	0.002%
121	8.580	8.555	8.640	VV	629	11512	0.11%	0.005%
122	8.650	8.640	8.694	VV	120	2428	0.02%	0.001%
123	8.718	8.694	8.738	PV	477	4837	0.05%	0.002%
124	8.770	8.738	8.804	VV	602958	5892336	57.75%	2.684%
125	8.827	8.804	8.867	VV	524	12001	0.12%	0.005%
126	8.886	8.867	8.930	VV	398	7159	0.07%	0.003%
127	8.959	8.930	8.994	VV	873	12072	0.12%	0.005%
128	9.037	8.994	9.055	VV	968	12719	0.12%	0.006%
129	9.089	9.055	9.128	VV	610	12846	0.13%	0.006%
130	9.135	9.128	9.147	VV	183	1506	0.01%	0.001%
131	9.174	9.147	9.238	VV	970	20561	0.20%	0.009%
132	9.245	9.238	9.278	VV	146	3124	0.03%	0.001%
133	9.282	9.278	9.319	VV	166	2519	0.02%	0.001%
134	9.371	9.335	9.398	PV	219	4421	0.04%	0.002%
135	9.436	9.398	9.451	VV	218	4479	0.04%	0.002%
136	9.475	9.451	9.486	VV	290	3863	0.04%	0.002%
137	9.509	9.486	9.519	VV	874	10785	0.11%	0.005%
138	9.555	9.519	9.583	VV	569751	5949691	58.31%	2.710%
139	9.594	9.583	9.631	VV	696	11963	0.12%	0.005%
140	9.639	9.631	9.663	VV	279	4143	0.04%	0.002%
141	9.695	9.663	9.707	VV	484	8391	0.08%	0.004%

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142	9.730	9.707	9.748	VV	1814	27608	0.27%	0.013%
143	9.765	9.748	9.800	VV	9238	98106	0.96%	0.045%
144	9.827	9.800	9.873	VV	64085	654300	6.41%	0.298%
145	9.890	9.873	9.918	VV	921	12082	0.12%	0.006%
146	9.957	9.918	10.010	VV	496463	5293456	51.88%	2.411%
147	10.022	10.010	10.034	VV	163	1906	0.02%	0.001%
148	10.055	10.034	10.161	VV	414	10175	0.10%	0.005%
149	10.174	10.161	10.201	VV	95	911	0.01%	0.000%
150	10.237	10.201	10.264	PV	186	3406	0.03%	0.002%
151	10.302	10.264	10.331	VV	6115	68320	0.67%	0.031%
152	10.369	10.331	10.381	VV	279	6150	0.06%	0.003%
153	10.400	10.381	10.424	VV	272	5310	0.05%	0.002%
154	10.434	10.424	10.451	VV	184	2494	0.02%	0.001%
155	10.470	10.451	10.497	VV	177	3165	0.03%	0.001%
156	10.561	10.497	10.607	VV	406	10256	0.10%	0.005%
157	10.649	10.607	10.668	VV	842	13272	0.13%	0.006%
158	10.691	10.668	10.716	VV	1038	16031	0.16%	0.007%
159	10.746	10.716	10.782	VV	11287	162207	1.59%	0.074%
160	10.797	10.782	10.816	VV	305	4262	0.04%	0.002%
161	10.837	10.816	10.888	VV	249	3704	0.04%	0.002%
162	10.960	10.888	10.996	PV	545381	5744405	56.30%	2.617%
163	11.036	10.996	11.090	VV	534180	5622992	55.11%	2.561%
164	11.108	11.090	11.144	VV	991	14834	0.15%	0.007%
165	11.150	11.144	11.159	VV	204	1733	0.02%	0.001%
166	11.203	11.159	11.218	VV	1113	15581	0.15%	0.007%
167	11.238	11.218	11.311	VV	3666	39715	0.39%	0.018%
168	11.330	11.311	11.351	PV	393	5513	0.05%	0.003%
169	11.402	11.351	11.444	VV	455555	5232505	51.28%	2.383%
170	11.478	11.444	11.524	PV	441	7291	0.07%	0.003%
171	11.566	11.524	11.577	VV	316	4150	0.04%	0.002%
172	11.591	11.577	11.626	VV	249	3373	0.03%	0.002%
173	11.727	11.626	11.771	PV	477697	5156217	50.54%	2.349%
174	11.818	11.771	11.871	VV	4361	94465	0.93%	0.043%
175	11.887	11.871	11.921	VV	1357	23601	0.23%	0.011%
176	11.935	11.921	11.981	VV	560	13560	0.13%	0.006%
177	12.002	11.981	12.028	VV	1052	15753	0.15%	0.007%
178	12.060	12.028	12.095	VV	1054	27263	0.27%	0.012%
179	12.111	12.095	12.139	VV	878	15636	0.15%	0.007%
180	12.167	12.139	12.193	VV	924	19518	0.19%	0.009%
181	12.222	12.193	12.235	VV	532	10849	0.11%	0.005%
182	12.318	12.235	12.388	VV	78101	1017794	9.98%	0.464%
183	12.404	12.388	12.425	VV	2815	47019	0.46%	0.021%
184	12.433	12.425	12.481	VV	1409	37478	0.37%	0.017%
185	12.499	12.481	12.511	VV	945	16163	0.16%	0.007%
186	12.552	12.511	12.587	VV	2801	65511	0.64%	0.030%
187	12.599	12.587	12.616	VV	456	6056	0.06%	0.003%
188	12.653	12.616	12.678	VV	928	19635	0.19%	0.009%
189	12.713	12.678	12.745	VV	442992	5342762	52.37%	2.434%
190	12.783	12.745	12.860	VV	511789	5721415	56.08%	2.606%
191	12.878	12.860	12.897	VV	310	4118	0.04%	0.002%
192	12.921	12.897	12.934	VV	180	2528	0.02%	0.001%
193	12.964	12.934	13.006	VV	6157	70500	0.69%	0.032%
194	13.020	13.006	13.040	VV	287	3724	0.04%	0.002%

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195	13.083	13.040	13.106	VV	489743	5522206	54.12%	2.515%
196	13.158	13.106	13.227	VV	323893	3953979	38.75%	1.801%
197	13.272	13.227	13.287	VV	487	8168	0.08%	0.004%
198	13.326	13.287	13.359	VV	423819	5104784	50.03%	2.325%
199	13.371	13.359	13.379	VV	749	8430	0.08%	0.004%
200	13.402	13.379	13.439	VV	1018	28836	0.28%	0.013%
201	13.443	13.439	13.478	VV	744	13394	0.13%	0.006%
202	13.550	13.478	13.651	VV	18975	327728	3.21%	0.149%
203	13.670	13.651	13.681	VV	737	12237	0.12%	0.006%
204	13.699	13.681	13.721	VV	841	16132	0.16%	0.007%
205	13.751	13.721	13.794	VV	1213	28442	0.28%	0.013%
206	13.805	13.794	13.827	VV	246	4739	0.05%	0.002%
207	13.861	13.827	13.877	VV	2798	36769	0.36%	0.017%
208	13.912	13.877	14.012	VV	413736	5027882	49.28%	2.290%
209	14.038	14.012	14.062	PV	1168	14390	0.14%	0.007%
210	14.088	14.062	14.106	VV	606	8195	0.08%	0.004%
211	14.141	14.106	14.161	VV	282	7202	0.07%	0.003%
212	14.168	14.161	14.186	VV	330	3557	0.03%	0.002%
213	14.209	14.186	14.230	VV	567	9638	0.09%	0.004%
214	14.310	14.230	14.384	VV	5908	189463	1.86%	0.086%
215	14.388	14.384	14.395	VV	1425	5781	0.06%	0.003%
216	14.412	14.395	14.453	VV	949	29306	0.29%	0.013%
217	14.476	14.453	14.549	VV	2239	57825	0.57%	0.026%
218	14.578	14.549	14.616	VV	3016	52382	0.51%	0.024%
219	14.639	14.616	14.660	VV	681	13971	0.14%	0.006%
220	14.693	14.660	14.734	VV	1478	33265	0.33%	0.015%
221	14.790	14.734	14.824	VV	1325	45082	0.44%	0.021%
222	14.854	14.824	14.864	VV	1322	23505	0.23%	0.011%
223	14.880	14.864	14.895	VV	1242	21669	0.21%	0.010%
224	14.964	14.895	14.983	VV	428952	5493447	53.84%	2.502%
225	15.011	14.983	15.114	VV	710366	10202910	100.00%	4.647%
226	15.125	15.114	15.134	VV	849	9917	0.10%	0.005%
227	15.158	15.134	15.178	VV	1100	23765	0.23%	0.011%
228	15.201	15.178	15.244	VV	2501	62082	0.61%	0.028%
229	15.255	15.244	15.304	VV	1114	35103	0.34%	0.016%
230	15.325	15.304	15.338	VV	823	16015	0.16%	0.007%
231	15.348	15.338	15.363	VV	789	10990	0.11%	0.005%
232	15.398	15.363	15.481	VV	16865	362188	3.55%	0.165%
233	15.495	15.481	15.504	VV	938	12037	0.12%	0.005%
234	15.534	15.504	15.572	VV	2237	59319	0.58%	0.027%
235	15.615	15.572	15.646	VV	1729	45883	0.45%	0.021%
236	15.666	15.646	15.694	VV	775	18990	0.19%	0.009%
237	15.721	15.694	15.747	VV	766	21161	0.21%	0.010%
238	15.770	15.747	15.787	VV	733	15764	0.15%	0.007%
239	15.802	15.787	15.821	VV	716	13082	0.13%	0.006%
240	15.868	15.821	15.907	VV	1602	51120	0.50%	0.023%
241	15.928	15.907	15.977	VV	904	28246	0.28%	0.013%
242	16.040	15.977	16.121	VV	358419	4789930	46.95%	2.182%
243	16.137	16.121	16.157	VV	317	4580	0.04%	0.002%
244	16.211	16.157	16.224	VV	672	14007	0.14%	0.006%
245	16.246	16.224	16.305	VV	984	19792	0.19%	0.009%
246	16.343	16.305	16.371	PV	523	11232	0.11%	0.005%

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247	16.418	16.371	16.471	VV	1406	38919	0.38%	0.018%
248	16.523	16.471	16.539	VV	343734	5166235	50.63%	2.353%
249	16.559	16.539	16.585	VV	425913	5151867	50.49%	2.347%
250	16.601	16.585	16.634	VV	2596	38096	0.37%	0.017%
251	16.652	16.634	16.667	VV	335	4263	0.04%	0.002%
252	16.697	16.667	16.735	VV	309	8503	0.08%	0.004%
253	16.765	16.735	16.796	VV	2380	29817	0.29%	0.014%
254	16.906	16.796	16.938	PV	361362	4920251	48.22%	2.241%
255	16.990	16.938	17.024	VV	361524	4669444	45.77%	2.127%
256	17.040	17.024	17.085	VV	2458	37003	0.36%	0.017%
257	17.195	17.085	17.206	PV	190	8741	0.09%	0.004%
258	17.250	17.206	17.276	VV	456	10126	0.10%	0.005%
259	17.317	17.276	17.344	PV	1812	27131	0.27%	0.012%
260	17.363	17.344	17.401	VV	697	13528	0.13%	0.006%
261	17.436	17.401	17.468	VV	2293	38076	0.37%	0.017%
262	17.483	17.468	17.494	PV	105	817	0.01%	0.000%
263	17.583	17.494	17.630	PV	585	21353	0.21%	0.010%
264	17.671	17.630	17.690	PV	451	7307	0.07%	0.003%
265	17.719	17.690	17.727	PV	392	4447	0.04%	0.002%
266	17.768	17.727	17.799	VV	3853	58538	0.57%	0.027%
267	17.880	17.799	17.921	VV	331685	4558826	44.68%	2.077%
268	17.967	17.921	17.991	VV	726	20111	0.20%	0.009%
269	18.035	17.991	18.056	VV	2376	38729	0.38%	0.018%
270	18.066	18.056	18.096	VV	1031	18768	0.18%	0.009%
271	18.118	18.096	18.171	VV	940	26468	0.26%	0.012%
272	18.178	18.171	18.184	VV	632	4220	0.04%	0.002%
273	18.280	18.184	18.296	VV	376679	5577100	54.66%	2.540%
274	18.320	18.296	18.375	VV	385251	5013507	49.14%	2.284%
275	18.409	18.375	18.465	VV	3605	110230	1.08%	0.050%
276	18.539	18.465	18.645	VV	356589	5221924	51.18%	2.379%
277	18.713	18.645	18.755	VV	313618	4568947	44.78%	2.081%
278	18.834	18.755	18.856	VV	3934	157390	1.54%	0.072%
279	18.878	18.856	18.918	VV	3818	114623	1.12%	0.052%
280	18.924	18.918	18.938	VV	2661	30509	0.30%	0.014%
281	19.010	18.938	19.025	VV	3169	152718	1.50%	0.070%
282	19.072	19.025	19.098	VV	11080	283763	2.78%	0.129%
283	19.104	19.098	19.194	VV	7836	297774	2.92%	0.136%
284	19.230	19.194	19.255	VV	4651	152626	1.50%	0.070%
285	19.305	19.255	19.324	VV	4929	184221	1.81%	0.084%
286	19.409	19.324	19.424	VV	5244	284974	2.79%	0.130%
287	19.433	19.424	19.444	VV	5052	57739	0.57%	0.026%
288	19.498	19.444	19.551	VV	307575	4834165	47.38%	2.202%
289	19.605	19.551	19.636	VV	8342	362188	3.55%	0.165%
290	19.675	19.636	19.698	VV	8364	280427	2.75%	0.128%
291	19.745	19.698	19.758	VV	8024	273508	2.68%	0.125%
292	19.777	19.758	19.830	VV	8071	342360	3.36%	0.156%
293	19.871	19.830	19.908	VV	10323	417658	4.09%	0.190%
294	19.914	19.908	19.939	VV	8836	157796	1.55%	0.072%
295	19.983	19.939	19.997	VV	9925	312641	3.06%	0.142%
296	20.026	19.997	20.063	VV	9543	372224	3.65%	0.170%
297	20.101	20.063	20.118	VV	14139	336979	3.30%	0.153%
298	20.138	20.118	20.152	VV	11564	228533	2.24%	0.104%
299	20.164	20.152	20.173	VV	10929	133615	1.31%	0.061%

rteres								
300	20.240	20.173	20.284	VV	308902	5089919	49.89%	2.318%
301	20.300	20.284	20.311	VV	11429	180471	1.77%	0.082%
302	20.344	20.311	20.358	VV	11865	320997	3.15%	0.146%
303	20.378	20.358	20.394	VV	14464	295371	2.89%	0.135%
304	20.402	20.394	20.442	VV	13912	365314	3.58%	0.166%
305	20.457	20.442	20.501	VV	12266	405820	3.98%	0.185%
306	20.526	20.501	20.539	VV	10555	230106	2.26%	0.105%
307	20.548	20.539	20.564	VV	9860	151765	1.49%	0.069%
308	20.633	20.564	20.662	VV	12950	665460	6.52%	0.303%
309	20.708	20.662	20.801	VV	11443	853218	8.36%	0.389%
310	20.809	20.801	20.819	VV	8767	96509	0.95%	0.044%
311	20.858	20.819	20.912	VV	9113	471181	4.62%	0.215%
312	20.937	20.912	20.950	VV	8612	186339	1.83%	0.085%
313	21.020	20.950	21.084	VV	241821	5053159	49.53%	2.302%
314	21.095	21.084	21.121	VV	24945	198609	1.95%	0.090%
315	21.139	21.121	21.201	VV	7401	322542	3.16%	0.147%
316	21.237	21.201	21.250	VV	7194	196868	1.93%	0.090%
317	21.263	21.250	21.278	VV	6867	110565	1.08%	0.050%
318	21.297	21.278	21.320	VV	6804	164661	1.61%	0.075%
319	21.387	21.378	21.403	VV	5594	77928	0.76%	0.035%
320	21.454	21.403	21.467	VV	5190	191214	1.87%	0.087%
321	21.476	21.467	21.530	VV	4847	158308	1.55%	0.072%
322	21.747	21.738	21.774	VV	2658	53852	0.53%	0.025%
323	21.820	21.774	21.831	VV	2616	80726	0.79%	0.037%
324	21.850	21.831	21.871	VV	2410	51837	0.51%	0.024%
325	21.889	21.871	21.907	VV	2094	36557	0.36%	0.017%
326	22.005	21.907	22.133	VV	172603	4547026	44.57%	2.071%
Sum of corrected areas:					219542653			

Aliphatic EPH 040225.M Tue Apr 08 03:40:24 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040725AL\
 Data File : FC068503.D
 Signal(s) : FID1A.ch
 Acq On : 07 Apr 2025 18:08
 Operator : YP/AJ
 Sample : Q1736-02MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 GST2MSD

Integration File: autoint1.e
 Quant Time: Apr 08 02:36:19 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040225.M
 Quant Title : GC Extractables
 QLast Update : Mon Apr 07 16:09:59 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)	11.727	5069084	39.310 ug/ml
Spiked Amount 50.000		Recovery =	78.62%
12) S 1-chlorooctadecane (S...	13.159	3889005	42.277 ug/ml
Spiked Amount 50.000		Recovery =	84.55%
Target Compounds			
1) T n-Nonane (C9)	3.465	4737387	42.513 ug/ml
2) T n-Decane (C10)	4.536	5003949	42.973 ug/ml
3) T A~Naphthalene (C11.7)	6.130	5698233	45.561 ug/ml
4) T n-Dodecane (C12)	6.557	5094992	45.052 ug/ml
5) T A~2-methylnaphthalene...	7.188	5191429	43.382 ug/ml
6) T n-Tetradecane (C14)	8.355	5065625	45.389 ug/ml
7) T n-Hexadecane (C16)	9.958	5114334	44.734 ug/ml
8) T n-Octadecane (C18)	11.402	5070721	44.226 ug/ml
10) T n-Eicosane (C20)	12.713	5180022	47.354 ug/ml
11) T n-Heneicosane (C21)	13.325	4954719	46.455 ug/ml
13) T n-Docosane (C22)	13.913	4896287	45.351 ug/ml
14) T n-Tetracosane (C24)	15.011	9986153	89.583 ug/ml
15) T n-Hexacosane (C26)	16.040	4708871	42.337 ug/ml
16) T n-Octacosane (C28)	16.990	4595493	41.504 ug/ml
17) T n-Tricontane (C30)	17.881	4519854	40.888 ug/ml
18) T n-Dotriacontane (C32)	18.714	4438837	42.641 ug/ml
19) T n-Tetratriacontane (C34)	19.499	4497802	50.089 ug/ml
20) T n-Hexatriacontane (C36)	20.239	4371394	58.393 ug/ml
21) T n-Octatriacontane (C38)	21.020	4443413	71.072 ug/ml
22) T n-Tetracontane (C40)	22.003	4356763	93.252 ug/ml

(f)=RT Delta > 1/2 Window

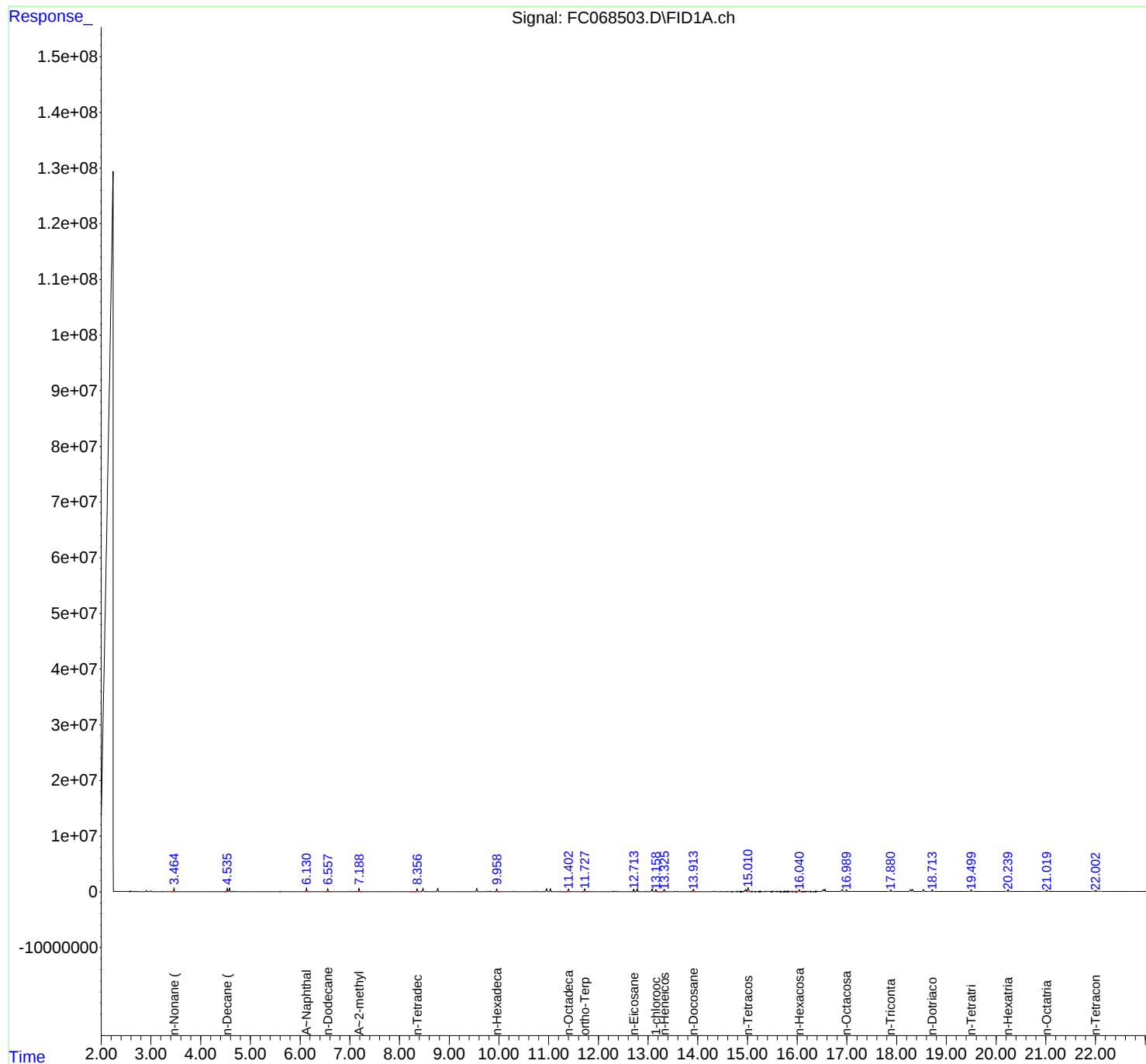
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040725AL\
Data File : FC068503.D
Signal(s) : FID1A.ch
Acq On : 07 Apr 2025 18:08
Operator : YP/AJ
Sample : Q1736-02MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
GST2MSD

Integration File: autoint1.e
Quant Time: Apr 08 02:36:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040225.M
Quant Title : GC Extractables
QLast Update : Mon Apr 07 16:09:59 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_C\Data\FC040725AL\
 Data File : FC068503.D
 Signal(s) : FID1A.ch
 Acq On : 07 Apr 2025 18:08
 Sample : Q1736-02MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040225.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	2.380	2.363	2.406	PV	7966	72187	0.72%	0.033%
2	2.418	2.406	2.448	PV	8233	49085	0.49%	0.023%
3	2.476	2.448	2.512	PV	22757	199045	1.98%	0.092%
4	2.534	2.512	2.552	PV	4291	31626	0.31%	0.015%
5	2.560	2.552	2.576	VV	414	3240	0.03%	0.002%
6	2.591	2.576	2.665	PV	81838	884055	8.78%	0.410%
7	2.682	2.665	2.707	PV	15490	126283	1.25%	0.058%
8	2.730	2.707	2.793	VV	29576	252930	2.51%	0.117%
9	2.808	2.793	2.881	PV	1232	15240	0.15%	0.007%
10	2.905	2.881	2.975	PV	198220	1462739	14.54%	0.678%
11	2.995	2.975	3.029	VV	109004	1312416	13.04%	0.608%
12	3.045	3.029	3.070	VV	1523	13479	0.13%	0.006%
13	3.089	3.070	3.110	PV	584	3162	0.03%	0.001%
14	3.128	3.110	3.145	VV	147	2344	0.02%	0.001%
15	3.155	3.145	3.191	VV	305	5085	0.05%	0.002%
16	3.219	3.191	3.241	VV	3680	31687	0.31%	0.015%
17	3.253	3.241	3.271	VV	444	4228	0.04%	0.002%
18	3.294	3.271	3.306	VV	283	3182	0.03%	0.001%
19	3.319	3.306	3.335	VV	98	1277	0.01%	0.001%
20	3.363	3.335	3.408	VV	566	10488	0.10%	0.005%
21	3.422	3.408	3.433	PV	132	1420	0.01%	0.001%
22	3.465	3.433	3.538	VV	584071	4740028	47.10%	2.196%
23	3.592	3.538	3.630	VV	372	7825	0.08%	0.004%
24	3.664	3.630	3.694	VV	321	7759	0.08%	0.004%
25	3.712	3.694	3.725	VV	288	3101	0.03%	0.001%
26	3.759	3.725	3.867	VV	1809	31080	0.31%	0.014%
27	3.878	3.867	3.895	VV	153	1386	0.01%	0.001%
28	3.902	3.895	3.948	PV	47	1064	0.01%	0.000%
29	3.962	3.948	4.027	VV	399	6425	0.06%	0.003%
30	4.044	4.027	4.085	PV	301	4484	0.04%	0.002%
31	4.104	4.085	4.126	VV	3066	24849	0.25%	0.012%
32	4.152	4.126	4.196	VV	650	14961	0.15%	0.007%
33	4.205	4.196	4.212	VV	276	2197	0.02%	0.001%
34	4.219	4.212	4.241	VV	253	4064	0.04%	0.002%
35	4.247	4.241	4.285	VV	184	3664	0.04%	0.002%
36	4.301	4.285	4.321	VV	550	6407	0.06%	0.003%

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37	4.333	4.321	4.355	VV	536	6479	0.06%	0.003%
38	4.363	4.355	4.382	VV	420	3965	0.04%	0.002%
39	4.400	4.382	4.429	VV	169	2676	0.03%	0.001%
40	4.441	4.429	4.467	PV	478	2547	0.03%	0.001%
41	4.486	4.467	4.500	VV	110	1298	0.01%	0.001%
42	4.536	4.500	4.558	VV	564276	5005387	49.74%	2.319%
43	4.581	4.558	4.624	VV	623215	5410841	53.77%	2.507%
44	4.642	4.624	4.668	VV	5401	49234	0.49%	0.023%
45	4.688	4.668	4.728	VV	9537	85815	0.85%	0.040%
46	4.737	4.728	4.748	VV	185	1524	0.02%	0.001%
47	4.752	4.748	4.759	VV	221	1019	0.01%	0.000%
48	4.788	4.759	4.808	VV	297	5268	0.05%	0.002%
49	4.823	4.808	4.846	VV	318	3585	0.04%	0.002%
50	4.856	4.846	4.861	VV	230	1413	0.01%	0.001%
51	4.871	4.861	4.931	VV	317	6277	0.06%	0.003%
52	4.956	4.931	5.005	VV	152	4458	0.04%	0.002%
53	5.019	5.005	5.029	VV	185	1775	0.02%	0.001%
54	5.036	5.029	5.055	VV	114	1454	0.01%	0.001%
55	5.073	5.055	5.091	VV	150	1519	0.02%	0.001%
56	5.112	5.091	5.161	PV	158	3810	0.04%	0.002%
57	5.168	5.161	5.228	VV	155	4116	0.04%	0.002%
58	5.235	5.228	5.243	VV	90	786	0.01%	0.000%
59	5.254	5.243	5.268	VV	170	1370	0.01%	0.001%
60	5.278	5.268	5.301	VV	240	2424	0.02%	0.001%
61	5.311	5.301	5.342	VV	97	1198	0.01%	0.001%
62	5.356	5.342	5.365	PV	70	364	0.00%	0.000%
63	5.392	5.365	5.438	VV	3017	28102	0.28%	0.013%
64	5.459	5.438	5.502	VV	86	1736	0.02%	0.001%
65	5.509	5.502	5.545	VV	36	731	0.01%	0.000%
66	5.572	5.545	5.588	PV	1547	14764	0.15%	0.007%
67	5.601	5.588	5.658	VV	3603	34494	0.34%	0.016%
68	5.684	5.658	5.782	VV	320	6463	0.06%	0.003%
69	5.799	5.782	5.851	PV	287	6714	0.07%	0.003%
70	5.863	5.851	5.869	VV	148	1299	0.01%	0.001%
71	5.878	5.869	5.898	VV	217	2274	0.02%	0.001%
72	5.949	5.898	5.975	VV	271	7530	0.07%	0.003%
73	5.987	5.975	6.048	VV	248	6022	0.06%	0.003%
74	6.085	6.048	6.100	VV	1456	18585	0.18%	0.009%
75	6.130	6.100	6.168	VV	631092	5706818	56.71%	2.644%
76	6.174	6.168	6.189	VV	992	9970	0.10%	0.005%
77	6.198	6.189	6.253	VV	613	15584	0.15%	0.007%
78	6.271	6.253	6.318	VV	482	11213	0.11%	0.005%
79	6.328	6.318	6.338	VV	329	3027	0.03%	0.001%
80	6.347	6.338	6.358	VV	252	2713	0.03%	0.001%
81	6.401	6.358	6.428	VV	1926	27615	0.27%	0.013%
82	6.436	6.428	6.474	VV	410	7319	0.07%	0.003%
83	6.494	6.474	6.521	VV	188	3934	0.04%	0.002%
84	6.557	6.521	6.607	VV	528209	5100665	50.69%	2.363%
85	6.626	6.607	6.665	VV	2188	22298	0.22%	0.010%
86	6.707	6.665	6.728	VV	423	7037	0.07%	0.003%
87	6.733	6.728	6.743	VV	128	1011	0.01%	0.000%
88	6.758	6.743	6.774	VV	156	1906	0.02%	0.001%
89	6.841	6.774	6.875	VV	370	9973	0.10%	0.005%

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90	6.879	6.875	6.908	VV	214	2698	0.03%	0.001%
91	6.914	6.908	6.931	VV	150	1706	0.02%	0.001%
92	6.938	6.931	6.949	VV	178	1200	0.01%	0.001%
93	6.975	6.949	6.994	VV	318	4386	0.04%	0.002%
94	7.026	6.994	7.064	VV	6328	67161	0.67%	0.031%
95	7.093	7.064	7.144	VV	14404	141398	1.41%	0.066%
96	7.188	7.144	7.301	VV	550699	5204356	51.72%	2.411%
97	7.324	7.301	7.341	VV	1850	20859	0.21%	0.010%
98	7.376	7.341	7.392	VV	2809	38836	0.39%	0.018%
99	7.402	7.392	7.438	VV	1277	17832	0.18%	0.008%
100	7.452	7.438	7.463	VV	1188	11344	0.11%	0.005%
101	7.478	7.463	7.505	VV	1748	20058	0.20%	0.009%
102	7.525	7.505	7.535	VV	476	5362	0.05%	0.002%
103	7.548	7.535	7.564	VV	458	5954	0.06%	0.003%
104	7.576	7.564	7.598	VV	388	4991	0.05%	0.002%
105	7.609	7.598	7.625	VV	158	1822	0.02%	0.001%
106	7.632	7.625	7.642	VV	182	1331	0.01%	0.001%
107	7.661	7.642	7.683	VV	704	7726	0.08%	0.004%
108	7.702	7.683	7.749	VV	351	7064	0.07%	0.003%
109	7.775	7.749	7.861	VV	808	16265	0.16%	0.008%
110	7.903	7.861	7.918	VV	509	7877	0.08%	0.004%
111	7.939	7.918	8.024	VV	1050	23983	0.24%	0.011%
112	8.047	8.024	8.080	VV	1569	20604	0.20%	0.010%
113	8.104	8.080	8.158	VV	1094	16573	0.16%	0.008%
114	8.168	8.158	8.196	VV	189	2659	0.03%	0.001%
115	8.215	8.196	8.225	VV	247	2896	0.03%	0.001%
116	8.248	8.225	8.278	VV	678	12400	0.12%	0.006%
117	8.355	8.278	8.398	VV	486442	5060786	50.29%	2.344%
118	8.412	8.398	8.430	VV	233	3473	0.03%	0.002%
119	8.473	8.430	8.521	VV	579793	5690171	56.54%	2.636%
120	8.540	8.521	8.554	VV	345	4559	0.05%	0.002%
121	8.582	8.554	8.632	VV	540	10059	0.10%	0.005%
122	8.645	8.632	8.659	PV	90	951	0.01%	0.000%
123	8.724	8.659	8.738	VV	273	5454	0.05%	0.003%
124	8.771	8.738	8.806	VV	570376	5718421	56.82%	2.649%
125	8.828	8.806	8.874	VV	504	11720	0.12%	0.005%
126	8.888	8.874	8.931	VV	347	5580	0.06%	0.003%
127	8.960	8.931	8.995	VV	790	11754	0.12%	0.005%
128	9.012	8.995	9.020	VV	180	1835	0.02%	0.001%
129	9.037	9.020	9.056	VV	945	9882	0.10%	0.005%
130	9.091	9.056	9.119	VV	521	10039	0.10%	0.005%
131	9.128	9.119	9.158	VV	154	1937	0.02%	0.001%
132	9.175	9.158	9.278	VV	938	19966	0.20%	0.009%
133	9.304	9.278	9.328	VV	205	3215	0.03%	0.001%
134	9.378	9.328	9.401	VV	183	4700	0.05%	0.002%
135	9.433	9.401	9.448	VV	260	4363	0.04%	0.002%
136	9.475	9.448	9.485	VV	236	3545	0.04%	0.002%
137	9.511	9.485	9.520	VV	818	10766	0.11%	0.005%
138	9.555	9.520	9.584	VV	563992	5780996	57.45%	2.678%
139	9.593	9.584	9.621	VV	671	10283	0.10%	0.005%
140	9.631	9.621	9.661	VV	296	5619	0.06%	0.003%
141	9.695	9.661	9.707	VV	488	8587	0.09%	0.004%

rteres								
142	9.731	9.707	9.748	VV	1855	27340	0.27%	0.013%
143	9.765	9.748	9.800	VV	8877	96029	0.95%	0.044%
144	9.828	9.800	9.872	VV	60340	617248	6.13%	0.286%
145	9.891	9.872	9.913	VV	829	12430	0.12%	0.006%
146	9.958	9.913	10.024	VV	472382	5121073	50.89%	2.372%
147	10.059	10.024	10.091	VV	424	9729	0.10%	0.005%
148	10.107	10.091	10.205	VV	194	5773	0.06%	0.003%
149	10.237	10.205	10.266	PV	201	3751	0.04%	0.002%
150	10.302	10.266	10.338	VV	5891	64946	0.65%	0.030%
151	10.345	10.338	10.361	VV	235	2223	0.02%	0.001%
152	10.375	10.361	10.387	VV	206	2720	0.03%	0.001%
153	10.401	10.387	10.424	VV	260	3944	0.04%	0.002%
154	10.471	10.424	10.495	VV	247	5774	0.06%	0.003%
155	10.501	10.495	10.531	VV	167	1610	0.02%	0.001%
156	10.565	10.531	10.616	VV	383	10347	0.10%	0.005%
157	10.650	10.616	10.669	VV	792	12090	0.12%	0.006%
158	10.691	10.669	10.721	VV	1003	16087	0.16%	0.007%
159	10.747	10.721	10.821	VV	11156	164180	1.63%	0.076%
160	10.833	10.821	10.882	VV	218	3753	0.04%	0.002%
161	10.893	10.882	10.897	PV	114	522	0.01%	0.000%
162	10.961	10.897	10.998	VV	524559	5598870	55.64%	2.594%
163	11.036	10.998	11.087	VV	516303	5492429	54.58%	2.544%
164	11.108	11.087	11.165	VV	995	16947	0.17%	0.008%
165	11.172	11.165	11.180	VV	158	1120	0.01%	0.001%
166	11.202	11.180	11.218	VV	1079	12855	0.13%	0.006%
167	11.237	11.218	11.278	VV	3716	39021	0.39%	0.018%
168	11.328	11.278	11.351	PV	386	6194	0.06%	0.003%
169	11.401	11.351	11.439	VV	465562	5064136	50.32%	2.346%
170	11.477	11.439	11.508	VV	454	8184	0.08%	0.004%
171	11.565	11.508	11.579	VV	322	5070	0.05%	0.002%
172	11.591	11.579	11.621	VV	311	3728	0.04%	0.002%
173	11.727	11.621	11.772	PV	462175	5079482	50.47%	2.353%
174	11.819	11.772	11.873	VV	4265	86540	0.86%	0.040%
175	11.886	11.873	11.920	VV	854	15777	0.16%	0.007%
176	11.932	11.920	11.977	VV	492	7641	0.08%	0.004%
177	12.002	11.977	12.025	VV	894	10168	0.10%	0.005%
178	12.060	12.025	12.095	PV	756	14561	0.14%	0.007%
179	12.112	12.095	12.138	VV	589	8306	0.08%	0.004%
180	12.165	12.138	12.201	VV	607	9634	0.10%	0.004%
181	12.318	12.201	12.388	VV	76515	959208	9.53%	0.444%
182	12.404	12.388	12.468	VV	2517	63783	0.63%	0.030%
183	12.478	12.468	12.484	VV	800	7390	0.07%	0.003%
184	12.495	12.484	12.511	VV	822	12139	0.12%	0.006%
185	12.552	12.511	12.591	VV	2604	58008	0.58%	0.027%
186	12.601	12.591	12.623	VV	332	4157	0.04%	0.002%
187	12.653	12.623	12.674	VV	787	13469	0.13%	0.006%
188	12.713	12.674	12.745	VV	446665	5186113	51.53%	2.402%
189	12.783	12.745	12.840	VV	505809	5596212	55.61%	2.592%
190	12.873	12.840	12.903	VV	180	2978	0.03%	0.001%
191	12.917	12.903	12.932	VV	139	1229	0.01%	0.001%
192	12.965	12.932	13.011	PV	5851	66670	0.66%	0.031%
193	13.023	13.011	13.037	VV	132	1737	0.02%	0.001%
194	13.084	13.037	13.107	VV	489853	5419988	53.86%	2.511%

rteres								
195	13.159	13.107	13.232	VV	323577	3892187	38.68%	1.803%
196	13.273	13.232	13.286	PV	467	6077	0.06%	0.003%
197	13.325	13.286	13.359	VV	399269	4970238	49.39%	2.302%
198	13.399	13.359	13.438	VV	1054	38308	0.38%	0.018%
199	13.445	13.438	13.475	VV	766	14235	0.14%	0.007%
200	13.550	13.475	13.657	VV	18534	339216	3.37%	0.157%
201	13.668	13.657	13.684	VV	841	12443	0.12%	0.006%
202	13.699	13.684	13.718	VV	983	16474	0.16%	0.008%
203	13.750	13.718	13.808	VV	1507	40613	0.40%	0.019%
204	13.862	13.808	13.877	VV	2967	46895	0.47%	0.022%
205	13.913	13.877	13.958	VV	407486	4913428	48.82%	2.276%
206	13.963	13.958	13.991	VV	417	6230	0.06%	0.003%
207	13.997	13.991	14.018	VV	246	2991	0.03%	0.001%
208	14.039	14.018	14.065	VV	1184	16773	0.17%	0.008%
209	14.087	14.065	14.111	VV	707	11506	0.11%	0.005%
210	14.142	14.111	14.187	VV	351	13540	0.13%	0.006%
211	14.210	14.187	14.238	VV	581	11934	0.12%	0.006%
212	14.309	14.238	14.383	VV	5633	185378	1.84%	0.086%
213	14.418	14.383	14.450	VV	898	31260	0.31%	0.014%
214	14.476	14.450	14.527	VV	2198	51004	0.51%	0.024%
215	14.540	14.527	14.552	VV	644	9431	0.09%	0.004%
216	14.577	14.552	14.617	VV	3019	51058	0.51%	0.024%
217	14.636	14.617	14.662	VV	722	15212	0.15%	0.007%
218	14.693	14.662	14.725	VV	1422	31249	0.31%	0.014%
219	14.791	14.725	14.816	VV	1193	41824	0.42%	0.019%
220	14.855	14.816	14.896	VV	1232	49268	0.49%	0.023%
221	14.963	14.896	14.983	VV	394348	5428466	53.94%	2.515%
222	15.011	14.983	15.131	VV	732236	10063431	100.00%	4.662%
223	15.157	15.131	15.175	VV	1075	22136	0.22%	0.010%
224	15.201	15.175	15.248	VV	2467	61728	0.61%	0.029%
225	15.264	15.248	15.341	VV	1018	43940	0.44%	0.020%
226	15.398	15.341	15.501	VV	16819	367372	3.65%	0.170%
227	15.534	15.501	15.578	VV	2012	57056	0.57%	0.026%
228	15.616	15.578	15.648	VV	1703	41510	0.41%	0.019%
229	15.671	15.648	15.698	VV	720	17749	0.18%	0.008%
230	15.778	15.698	15.823	VV	704	40903	0.41%	0.019%
231	15.867	15.823	15.905	VV	1530	45669	0.45%	0.021%
232	15.925	15.905	15.985	VV	834	29312	0.29%	0.014%
233	16.040	15.985	16.148	VV	361582	4733358	47.04%	2.193%
234	16.166	16.148	16.188	VV	286	5340	0.05%	0.002%
235	16.246	16.188	16.296	VV	891	25522	0.25%	0.012%
236	16.345	16.296	16.384	PV	474	11407	0.11%	0.005%
237	16.418	16.384	16.462	VV	1419	30910	0.31%	0.014%
238	16.522	16.462	16.539	VV	343297	5153537	51.21%	2.387%
239	16.557	16.539	16.636	VV	432132	5099950	50.68%	2.363%
240	16.709	16.636	16.728	VV	280	7261	0.07%	0.003%
241	16.767	16.728	16.813	PV	2356	29717	0.30%	0.014%
242	16.904	16.813	16.939	VV	369698	4880643	48.50%	2.261%
243	16.990	16.939	17.084	VV	344601	4679114	46.50%	2.168%
244	17.130	17.084	17.171	VV	257	10888	0.11%	0.005%
245	17.246	17.171	17.285	VV	444	15829	0.16%	0.007%
246	17.316	17.285	17.344	PV	1834	26147	0.26%	0.012%

rterres								
247	17.368	17.344	17.399	VV	695	13558	0.13%	0.006%
248	17.437	17.399	17.471	VV	2202	35110	0.35%	0.016%
249	17.579	17.471	17.638	PV	504	17955	0.18%	0.008%
250	17.666	17.638	17.695	VV	339	5985	0.06%	0.003%
251	17.768	17.695	17.800	PV	3787	63730	0.63%	0.030%
252	17.881	17.800	17.922	VV	321534	4538456	45.10%	2.102%
253	17.969	17.922	17.991	VV	803	24636	0.24%	0.011%
254	18.040	17.991	18.098	VV	1705	62243	0.62%	0.029%
255	18.120	18.098	18.151	VV	1019	20105	0.20%	0.009%
256	18.279	18.151	18.298	VV	356760	5614998	55.80%	2.601%
257	18.318	18.298	18.371	VV	377344	4903991	48.73%	2.272%
258	18.411	18.371	18.481	VV	3486	125884	1.25%	0.058%
259	18.538	18.481	18.637	VV	367533	5171644	51.39%	2.396%
260	18.713	18.637	18.771	VV	315185	4574475	45.46%	2.119%
261	18.833	18.771	18.854	VV	3810	129326	1.29%	0.060%
262	18.875	18.854	18.930	VV	4808	127647	1.27%	0.059%
263	19.007	18.930	19.035	VV	2797	162554	1.62%	0.075%
264	19.073	19.035	19.171	VV	10923	487424	4.84%	0.226%
265	19.189	19.171	19.204	VV	3615	70260	0.70%	0.033%
266	19.230	19.204	19.258	VV	4629	125466	1.25%	0.058%
267	19.302	19.258	19.324	VV	4516	162378	1.61%	0.075%
268	19.498	19.324	19.558	VV	312002	5159878	51.27%	2.390%
269	19.605	19.558	19.641	VV	7852	337565	3.35%	0.156%
270	19.676	19.641	19.701	VV	7764	260349	2.59%	0.121%
271	19.732	19.701	19.768	VV	8059	305948	3.04%	0.142%
272	19.789	19.768	19.810	VV	8692	204007	2.03%	0.095%
273	19.867	19.810	19.902	VV	10004	492079	4.89%	0.228%
274	19.930	19.902	19.947	VV	9049	243662	2.42%	0.113%
275	20.098	19.947	20.114	VV	10844	949840	9.44%	0.440%
276	20.140	20.114	20.175	VV	11632	397375	3.95%	0.184%
277	20.239	20.175	20.311	VV	300297	5240419	52.07%	2.428%
278	20.382	20.311	20.544	VV	15308	1680025	16.69%	0.778%
279	20.632	20.544	20.696	VV	15451	1162179	11.55%	0.538%
280	20.711	20.696	20.788	VV	11808	576060	5.72%	0.267%
281	20.800	20.788	20.818	VV	9068	161770	1.61%	0.075%
282	20.835	20.818	20.857	VV	9097	205095	2.04%	0.095%
283	20.873	20.857	20.928	VV	8741	349175	3.47%	0.162%
284	21.019	20.928	21.071	VV	248977	5067603	50.36%	2.348%
285	21.126	21.071	21.183	VV	7478	461132	4.58%	0.214%
286	21.202	21.183	21.241	VV	6348	206873	2.06%	0.096%
287	21.261	21.241	21.308	VV	5971	232205	2.31%	0.108%
288	21.350	21.308	21.391	VV	5767	264522	2.63%	0.123%
289	21.449	21.391	21.513	VV	5567	358760	3.56%	0.166%
290	21.594	21.513	21.664	VV	4671	395864	3.93%	0.183%
291	21.690	21.664	21.821	VV	3922	288403	2.87%	0.134%
292	21.840	21.821	21.928	VV	2462	110781	1.10%	0.051%
293	22.003	21.928	22.148	VV	175678	4434435	44.06%	2.054%
Sum of corrected areas:					215869701			

Manual Integration Report

Sequence:

FC040225AL

Instrument

FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
5 PPM ALIPHATIC HC	FC068491.D	n-Octacosane (C28)	yogesh	4/3/2025 7:45:42 AM	mohammad	4/4/2025 7:54:14	Peak Integrated by Software
5 PPM ALIPHATIC HC	FC068491.D	n-Octadecane (C18)	yogesh	4/3/2025 7:45:42 AM	mohammad	4/4/2025 7:54:14	Peak Integrated by Software
5 PPM ALIPHATIC HC	FC068491.D	n-Tetracontane (C40)	yogesh	4/3/2025 7:45:42 AM	mohammad	4/4/2025 7:54:14	Peak Integrated by Software
5 PPM ALIPHATIC HC	FC068491.D	n-Tricontane (C30)	yogesh	4/3/2025 7:45:42 AM	mohammad	4/4/2025 7:54:14	Peak Integrated by Software

Manual Integration Report

Sequence:

FC040725AL

Instrument

FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FC068497.D	n-Octatriacontane (C38)	yogesh	4/8/2025 7:51:49 AM	mohammad	4/9/2025 2:58:48	Peak Integrated by Software
PB167477BS	FC068499.D	n-Tetracontane (C40)	yogesh	4/8/2025 7:51:55 AM	mohammad	4/9/2025 2:58:48	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC068506.D	n-Hexatriacontane (C36)	yogesh	4/8/2025 7:51:53 AM	mohammad	4/9/2025 2:58:48	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC068506.D	n-Octatriacontane (C38)	yogesh	4/8/2025 7:51:53 AM	mohammad	4/9/2025 2:58:48	Peak Integrated by Software

Manual Integration Report

Sequence:	FC040825AL	Instrument	FID_c
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FC068509.D	n-Octatriacontane (C38)	yogesh	4/9/2025 1:39:58 PM	mohammad	4/10/2025 5:30:40	Peak Integrated by Software

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC040225AL

Review By	yogesh	Review On	4/2/2025 1:54:54 PM
Supervise By	mohammad	Supervise On	4/4/2025 7:54:14 AM
SubDirectory	FC040225AL	HP Acquire Method	HP Processing Method FC040225AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC Internal Standard/PEM	PP24176		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24174,PP24179		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC068485.D	02 Apr 2025 14:05	YP/AJ	Ok
2	I.BLK	FC068486.D	02 Apr 2025 14:42	YP/AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FC068487.D	02 Apr 2025 15:55	YP/AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FC068488.D	02 Apr 2025 16:32	YP/AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FC068489.D	02 Apr 2025 17:09	YP/AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FC068490.D	02 Apr 2025 17:45	YP/AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FC068491.D	02 Apr 2025 19:00	YP/AJ	Ok,M
8	20 PPM ALIPHATIC HC STD ICV	FC068492.D	02 Apr 2025 20:13	YP/AJ	Ok
9	I.BLK	FC068493.D	02 Apr 2025 21:26	YP/AJ	Ok
10	20 PPM ALIPHATIC HC STD	FC068494.D	02 Apr 2025 22:04	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC040725AL

Review By	yogesh	Review On	4/7/2025 3:21:12 PM
Supervise By	mohammad	Supervise On	4/9/2025 2:58:48 AM
SubDirectory	FC040725AL	HP Acquire Method	HP Processing Method FC040225AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC Internal Standard/PEM	PP24176		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24174,PP24179		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC068495.D	07 Apr 2025 10:25	YP/AJ	Ok
2	I.BLK	FC068496.D	07 Apr 2025 11:03	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC068497.D	07 Apr 2025 14:23	YP/AJ	Ok,M
4	PB167477BL	FC068498.D	07 Apr 2025 15:00	YP/AJ	Ok
5	PB167477BS	FC068499.D	07 Apr 2025 15:38	YP/AJ	Ok,M
6	PB167477BSD	FC068500.D	07 Apr 2025 16:15	YP/AJ	Ok
7	Q1736-02	FC068501.D	07 Apr 2025 16:52	YP/AJ	Ok
8	Q1736-02MS	FC068502.D	07 Apr 2025 17:30	YP/AJ	Ok
9	Q1736-02MSD	FC068503.D	07 Apr 2025 18:08	YP/AJ	Ok
10	Q1736-01	FC068504.D	07 Apr 2025 18:45	YP/AJ	Dilution
11	I.BLK	FC068505.D	07 Apr 2025 20:37	YP/AJ	Ok
12	20 PPM ALIPHATIC HC STD	FC068506.D	07 Apr 2025 21:15	YP/AJ	Ok,M

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC040825AL

Review By	yogesh	Review On	4/8/2025 10:07:57 AM
Supervise By	mohammad	Supervise On	4/10/2025 5:30:40 AM
SubDirectory	FC040825AL	HP Acquire Method	HP Processing Method FC040225AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC Internal Standard/PEM	PP24176		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24174,PP24179		

Sr#	SampleID	Data File Name	Date-Time	Operator	Status
1	MECL2	FC068507.D	08 Apr 2025 07:39	YP/AJ	Ok
2	I.BLK	FC068508.D	08 Apr 2025 08:15	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC068509.D	08 Apr 2025 08:52	YP/AJ	Ok,M
4	Q1736-01DL	FC068510.D	08 Apr 2025 09:30	YP/AJ	Ok
5	I.BLK	FC068511.D	08 Apr 2025 10:46	YP/AJ	Ok
6	20 PPM ALIPHATIC HC STD	FC068512.D	08 Apr 2025 11:24	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC040225AL

Review By	yogesh	Review On	4/2/2025 1:54:54 PM
Supervise By	mohammad	Supervise On	4/4/2025 7:54:14 AM
SubDirectory	FC040225AL	HP Acquire Method	HP Processing Method FC040225AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC	PP24176		
Internal Standard/PEM	PP24174,PP24179		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC068485.D	02 Apr 2025 14:05		YP/AJ	Ok
2	I.BLK	I.BLK	FC068486.D	02 Apr 2025 14:42		YP/AJ	Ok
3	100 PPM ALIPHATIC HC	100 PPM ALIPHATIC HC	FC068487.D	02 Apr 2025 15:55		YP/AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FC068488.D	02 Apr 2025 16:32		YP/AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068489.D	02 Apr 2025 17:09		YP/AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FC068490.D	02 Apr 2025 17:45		YP/AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FC068491.D	02 Apr 2025 19:00		YP/AJ	Ok,M
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068492.D	02 Apr 2025 20:13		YP/AJ	Ok
9	I.BLK	I.BLK	FC068493.D	02 Apr 2025 21:26		YP/AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068494.D	02 Apr 2025 22:04		YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC040725AL

Review By	yogesh	Review On	4/7/2025 3:21:12 PM
Supervise By	mohammad	Supervise On	4/9/2025 2:58:48 AM
SubDirectory	FC040725AL	HP Acquire Method	HP Processing Method FC040225AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC	PP24176		
Internal Standard/PEM	PP24174,PP24179		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC068495.D	07 Apr 2025 10:25		YP/AJ	Ok
2	I.BLK	I.BLK	FC068496.D	07 Apr 2025 11:03		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068497.D	07 Apr 2025 14:23		YP/AJ	Ok,M
4	PB167477BL	PB167477BL	FC068498.D	07 Apr 2025 15:00		YP/AJ	Ok
5	PB167477BS	PB167477BS	FC068499.D	07 Apr 2025 15:38		YP/AJ	Ok,M
6	PB167477BSD	PB167477BSD	FC068500.D	07 Apr 2025 16:15		YP/AJ	Ok
7	Q1736-02	GST2	FC068501.D	07 Apr 2025 16:52		YP/AJ	Ok
8	Q1736-02MS	GST2MS	FC068502.D	07 Apr 2025 17:30	FC068501.D	YP/AJ	Ok
9	Q1736-02MSD	GST2MSD	FC068503.D	07 Apr 2025 18:08	FC068501.D!FC068502.D	YP/AJ	Ok
10	Q1736-01	GST1	FC068504.D	07 Apr 2025 18:45	need 2x dilution	YP/AJ	Dilution
11	I.BLK	I.BLK	FC068505.D	07 Apr 2025 20:37		YP/AJ	Ok
12	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068506.D	07 Apr 2025 21:15		YP/AJ	Ok,M

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC040825AL

Review By	yogesh	Review On	4/8/2025 10:07:57 AM
Supervise By	mohammad	Supervise On	4/10/2025 5:30:40 AM
SubDirectory	FC040825AL	HP Acquire Method	HP Processing Method FC040225AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC	PP24176		
Internal Standard/PEM	PP24174,PP24179		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC068507.D	08 Apr 2025 07:39		YP/AJ	Ok
2	I.BLK	I.BLK	FC068508.D	08 Apr 2025 08:15		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068509.D	08 Apr 2025 08:52		YP/AJ	Ok,M
4	Q1736-01DL	GST1DL	FC068510.D	08 Apr 2025 09:30		YP/AJ	Ok
5	I.BLK	I.BLK	FC068511.D	08 Apr 2025 10:46		YP/AJ	Ok
6	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068512.D	08 Apr 2025 11:24		YP/AJ	Ok

M : Manual Integration

SOP ID: MNJDEP-EPH-7

Clean Up SOP #: N/A

Matrix: Solid

Weigh By: EH

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date: 04/07/2025

Extraction Start Time: 09:40

Extraction End Date: 04/07/2025

Extraction End Time: 12:40

Concentration By: EH

Supervisor By: rajesh

Extraction Method: ☐ Separatory Funnel ☐ Continous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	100 PPM	PP24207
Surrogate	1.0ML	100 PPM	PP24432
Fractionation Surrogate	1.0ML	100 PPM	PP24403
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	EP2591
Baked Na2SO4	N/A	EP2597
Sand	N/A	E2865
Hexane	N/A	E3916
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
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
04/07/25	RP (Ext. Lab)	Y-P Pest IP CB.
12:45	Preparation Group	Analysis Group

Analytical Method: MNJDEP-EPH-7

Concentration Date: 04/07/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167477BL	PB167477BL	EPH_F2	30.01	N/A	ritesh	Evelyn	2			U3-1
PB167477BS	PB167477BS	EPH_F2	30.02	N/A	ritesh	Evelyn	2			2
PB167477BSD	PB167477BSD	EPH_F2	30.02	N/A	ritesh	Evelyn	2			3
Q1736-01	GST1	EPH_F2	30.03	N/A	ritesh	Evelyn	2			4
Q1736-02	GST2	EPH_F2	30.01	N/A	ritesh	Evelyn	2			5
Q1736-02MS	GST2MS	EPH_F2	30.05	N/A	ritesh	Evelyn	2			6
Q1736-02MS D	GST2MSD	EPH_F2	30.04	N/A	ritesh	Evelyn	2			U2-1

* Extracts relinquished on the same date as received.

Handwritten signature
4/7/25

167477
9-41

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1736

WorkList ID : 188762

Department : Extraction

Date : 04-07-2025 08:19:46

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1732-01	TT-8	Solid	EPH_NF	Cool 4 deg C	PSEG03	L31	04/04/2025	NJEPH
Q1732-02	TT-8-EPH	Solid	EPH_NF	Cool 4 deg C	PSEG03	L31	04/04/2025	NJEPH
Q1733-01	ETGI-328	Solid	EPH_NF	Cool 4 deg C	PSEG03	I31	04/04/2025	NJEPH
Q1733-02	ETGI-328-E2	Solid	EPH_NF	Cool 4 deg C	PSEG03	I31	04/04/2025	NJEPH
Q1736-01	GST1	Solid	EPH_F2	Cool 4 deg C	GENV01	L21	04/04/2025	NJEPH
Q1736-02	GST2	Solid	EPH_F2	Cool 4 deg C	GENV01	L21	04/04/2025	NJEPH
Q1737-01	RT3069	Solid	EPH_NF	Cool 4 deg C	PSEG03	L31	04/04/2025	NJEPH
Q1738-01	OK-02-040425	Solid	EPH_NF	Cool 4 deg C	PSEG05	L31	04/04/2025	NJEPH
Q1738-02	OK-02-040425-E2	Solid	EPH_NF	Cool 4 deg C	PSEG05	L31	04/04/2025	NJEPH

Date/Time 04/07/25 9:35
 Raw Sample Received by: RJ (Sent Log)
 Raw Sample Relinquished by: CR SM

Date/Time 04/07/25 10:00
 Raw Sample Received by: CP SM
 Raw Sample Relinquished by: RJ (Sent Log)

LAB CHRONICLE

OrderID:	Q1736	OrderDate:	4/4/2025 1:39:00 PM
Client:	G Environmental	Project:	Stockton
Contact:	Gary Landis	Location:	L21

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1736-01	GST1	SOIL	PCB	8082A	04/04/25	04/07/25	04/07/25	04/04/25
			EPH_F2	NJEPH		04/07/25	04/07/25	
Q1736-01DL	GST1DL	Solid	EPH_F2	NJEPH	04/04/25	04/07/25	04/08/25	04/04/25
Q1736-02	GST2	SOIL	PCB	8082A	04/04/25	04/07/25	04/07/25	04/04/25
			EPH_F2	NJEPH		04/07/25	04/07/25	