



SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-158-SB01	SDG No.:	Q1744
Lab Sample ID:	Q1744-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
04/08/25 10:10	04/10/25 23:28	PB167513

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.38	J	1	0.16	1.11	mg/kg	FC068563.D
Aliphatic C12-C16	Aliphatic C12-C16	1.61		1	0.12	0.74	mg/kg	FC068563.D
Aliphatic C16-C21	Aliphatic C16-C21	0.88	J	1	0.14	1.11	mg/kg	FC068563.D
Aliphatic C21-C28	Aliphatic C21-C28	0.59	U	1	0.59	1.48	mg/kg	FC068563.D
Aliphatic C28-C40	Aliphatic C28-C40	1.92	J	1	1.31	2.22	mg/kg	FC068563.D
Aromatic C10-C12	Aromatic C10-C12	0.45	J	1	0.13	0.74	mg/kg	FD049272.D
Aromatic C12-C16	Aromatic C12-C16	0.46	J	1	0.26	1.11	mg/kg	FD049272.D
Aromatic C16-C21	Aromatic C16-C21	3.47		1	0.44	1.85	mg/kg	FD049272.D
Aromatic C21-C36	Aromatic C21-C36	2.24	J	1	1.32	2.96	mg/kg	FD049272.D
Total AliphaticEPH	Total AliphaticEPH	4.79	J		2.32	6.66	mg/kg	
Total AromaticEPH	Total AromaticEPH	6.62	J		2.15	6.66	mg/kg	
Total EPH	Total EPH	11.4	J		4.47	13.3	mg/kg	

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:	Portal Partners Tri-Venture	Date Collected:	04/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-158-SB01	SDG No.:	Q1744
Lab Sample ID:	Q1744-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068563.D	1	04/08/25	04/10/25	PB167513

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.38	J	0.16	1.11	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	1.61		0.12	0.74	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.88	J	0.14	1.11	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.59	U	0.59	1.48	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.92	J	1.31	2.22	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	48.0		40 - 140	96%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50



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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1744-01	Acq On:	10 Apr 2025 23:28
Client Sample ID:	B-158-SB01	Operator:	YP/AJ
Data file:	FC068563.D	Misc:	
Instrument:	FID_C	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.345	6.644	535805	5.089	300	ug/ml
Aliphatic C12-C16	6.645	10.043	2225498	21.75	200	ug/ml
Aliphatic C16-C21	10.044	13.409	1178768	11.929	300	ug/ml
Aliphatic C21-C28	13.410	17.073	698305	7.414	400	ug/ml
Aliphatic C28-C40	17.074	22.075	2332696	25.953	600	ug/ml
Aliphatic EPH	3.345	22.075	6971072	72.135		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.145	13.145	4456429	47.97		ug/ml
Aliphatic C9-C28	3.345	17.073	4638376	46.182	1200	ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-158-SB01	SDG No.:	Q1744
Lab Sample ID:	Q1744-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049272.D	1	04/08/25	04/10/25	PB167513

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.45	J	0.13	0.74	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.46	J	0.26	1.11	mg/kg
Aromatic C16-C21	Aromatic C16-C21	3.47		0.44	1.85	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.24	J	1.32	2.96	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	36.5		40 - 140	73%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	31.6		40 - 140	63%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	41.1		40 - 140	82%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1744-01	Acq On:	10 Apr 2025 16:38
Client Sample ID:	B-158-SB01	Operator:	YP/AJ
Data file:	FD049272.D	Misc:	
Instrument:	FID_D	ALS Vial:	64
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.440	6.185	950821	6.064	200	ug/ml
Aromatic C12-C16	6.186	8.813	1061990	6.239	300	ug/ml
Aromatic C16-C21	8.814	13.102	7865902	46.904	500	ug/ml
Aromatic C21-C36	13.103	18.519	4183363	30.283	800	ug/ml
Aromatic EPH	4.440	18.519	14062076	89.491		ug/ml
2-Bromonaphthalene (SURRE)	7.749	7.749	5408441	36.51		ug/ml
2-Fluorobiphenyl (SURRE)	8.614	8.614	3221957	31.59		ug/ml
ortho-Terphenyl (SURRE)	11.658	11.658	7248338	41.14		ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-158-SB02	SDG No.:	Q1744
Lab Sample ID:	Q1744-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	56
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
04/08/25 10:10	04/11/25 0:05	PB167513

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.51	J	1	0.25	1.78	mg/kg	FC068564.D
Aliphatic C12-C16	Aliphatic C12-C16	2.96		1	0.20	1.19	mg/kg	FC068564.D
Aliphatic C16-C21	Aliphatic C16-C21	1.32	J	1	0.23	1.78	mg/kg	FC068564.D
Aliphatic C21-C28	Aliphatic C21-C28	0.95	U	1	0.95	2.38	mg/kg	FC068564.D
Aliphatic C28-C40	Aliphatic C28-C40	2.60	J	1	2.10	3.57	mg/kg	FC068564.D
Aromatic C10-C12	Aromatic C10-C12	0.70	J	1	0.21	1.19	mg/kg	FD049273.D
Aromatic C12-C16	Aromatic C12-C16	0.69	J	1	0.41	1.78	mg/kg	FD049273.D
Aromatic C16-C21	Aromatic C16-C21	4.67		1	0.71	2.97	mg/kg	FD049273.D
Aromatic C21-C36	Aromatic C21-C36	3.40	J	1	2.12	4.75	mg/kg	FD049273.D
Total AliphaticEPH	Total AliphaticEPH	7.39	J		3.72	10.7	mg/kg	
Total AromaticEPH	Total AromaticEPH	9.46	J		3.46	10.7	mg/kg	
Total EPH	Total EPH	16.8	J		7.18	21.4	mg/kg	

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:	Portal Partners Tri-Venture	Date Collected:	04/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-158-SB02	SDG No.:	Q1744
Lab Sample ID:	Q1744-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	56
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068564.D	1	04/08/25	04/11/25	PB167513

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.51	J	0.25	1.78	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	2.96		0.20	1.19	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	1.32	J	0.23	1.78	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.95	U	0.95	2.38	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.60	J	2.10	3.57	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.5		40 - 140	63%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50



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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1744-03	Acq On:	11 Apr 2025 00:05
Client Sample ID:	B-158-SB02	Operator:	YP/AJ
Data file:	FC068564.D	Misc:	
Instrument:	FID_C	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.345	6.644	451147	4.285	300	ug/ml
Aliphatic C12-C16	6.645	10.043	2545930	24.881	200	ug/ml
Aliphatic C16-C21	10.044	13.409	1097643	11.108	300	ug/ml
Aliphatic C21-C28	13.410	17.073	427193	4.536	400	ug/ml
Aliphatic C28-C40	17.074	22.075	1965755	21.87	600	ug/ml
Aliphatic EPH	3.345	22.075	6487668	66.68		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.144	13.144	2927619	31.52		ug/ml
Aliphatic C9-C28	3.345	17.073	4521913	44.81	1200	ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-158-SB02	SDG No.:	Q1744
Lab Sample ID:	Q1744-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	56
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049273.D	1	04/08/25	04/10/25	PB167513

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.70	J	0.21	1.19	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.69	J	0.41	1.78	mg/kg
Aromatic C16-C21	Aromatic C16-C21	4.67		0.71	2.97	mg/kg
Aromatic C21-C36	Aromatic C21-C36	3.40	J	2.12	4.75	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	35.0		40 - 140	70%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	30.2		40 - 140	60%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.0		40 - 140	58%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1744-03	Acq On:	10 Apr 2025 17:15
Client Sample ID:	B-158-SB02	Operator:	YP/AJ
Data file:	FD049273.D	Misc:	
Instrument:	FID_D	ALS Vial:	65
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.440	6.185	918172	5.856	200	ug/ml
Aromatic C12-C16	6.186	8.813	987403	5.801	300	ug/ml
Aromatic C16-C21	8.814	13.102	6590060	39.296	500	ug/ml
Aromatic C21-C36	13.103	18.519	3952627	28.613	800	ug/ml
Aromatic EPH	4.440	18.519	12448262	79.566		ug/ml
2-Bromonaphthalene (SURR)	7.749	7.749	5186623	35.01		ug/ml
2-Fluorobiphenyl (SURR)	8.615	8.615	3081793	30.21		ug/ml
ortho-Terphenyl (SURR)	11.657	11.657	5112481	29.02		ug/ml



QC SUMMARY

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: PORT06
Lab Code: CHEM CASE No.: Q1744 SAS No.: Q1744 SDG No.: Q1744
Run Number: FC041125AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
PB167513BL	72			0
PB167513BS	75			0
PB167513BSD	73			0
B-158-SB01	96			0
B-158-SB02	63			0
B-149-SB01MS	80			0
B-149-SB01MSD	81			0

QC LIMITS

1-chlorooctadecane (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: PORT06
Lab Code: CHEM CASE No.: Q1744 SAS No.: Q1744 SDG No.: Q1744
Run Number: FD041025AR

Client SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
PB167513BL	97	92	83	0
PB167513BS	96	97	83	0
PB167513BSD	90	92	77	0
B-158-SB01	73	63	82	0
B-158-SB02	70	60	58	0
B-149-SB01MS	75	63	63	0
B-149-SB01MSD	73	61	61	0

QC LIMITS

2-Bromonaphthalene (SURR) (40-140)
2-Flurobiphenyl (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

A
B
C
D
E
F
G
H
I
J

QC LIMITS

2-Bromonaphthalene (SURR)	(40-140)
2-Flurobiphenyl (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 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture
Lab Code: CHEM **Cas No:** Q1744 **SAS No :** Q1744 **SDG No:** Q1744
Sample No : Q1746-01MS **Datafile:** FC068567.D
Client ID : B-149-SB01MS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C9-C12	11.2	0.39	5.46	45		(40-140)
Aliphatic C12-C16	7.5	1.86	7.54	76		(40-140)
Aliphatic C16-C21	11.2	4.07	10.3	56		(40-140)
Aliphatic C21-C28	14.9	0.79	13.2	83		(40-140)
Aliphatic C28-C40	22.4	2.09	20.9	84		(40-140)

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture
Lab Code: CHEM **Cas No:** Q1744 **SAS No :** Q1744 **SDG No:** Q1744
Sample No : Q1746-01MSD **Datafile:** FC068568.D
Client ID : B-149-SB01MSD

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS QC Limit Of RPD
Aliphatic C9-C12	11.2	0.39	5.41	45		0.89 (40-140) 25
Aliphatic C12-C16	7.5	1.86	7.48	75		0.92 (40-140) 25
Aliphatic C16-C21	11.2	4.07	10.0	53		4.78 (40-140) 25
Aliphatic C21-C28	14.9	0.79	12.9	81		2.31 (40-140) 25
Aliphatic C28-C40	22.4	2.09	20.9	84		0.12 (40-140) 25

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture
Lab Code: CHEM **Cas No:** Q1744 **SAS No :** Q1744 **SDG No:** Q1744
Sample No : Q1746-01MS **Datafile:** FD049276.D
Client ID : B-149-SB01MS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aromatic C10-C12	7.5	0.48	3.09	35	*	(40-140)
Aromatic C12-C16	11.2	0.47	6.86	57		(40-140)
Aromatic C16-C21	18.6	3.58	18.3	79		(40-140)
Aromatic C21-C36	29.8	3.46	30.2	90		(40-140)

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture
Lab Code: CHEM **Cas No:** Q1744 **SAS No :** Q1744 **SDG No:** Q1744
Sample No : Q1746-01MSD **Datafile:** FD049277.D
Client ID : B-149-SB01MSD

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS	QC Limit Of RPD
Aromatic C10-C12	7.5	0.48	3.09	35	*	0.29 (40-140)	25
Aromatic C12-C16	11.2	0.47	6.69	56		2.48 (40-140)	25
Aromatic C16-C21	18.6	3.58	18.0	77		1.92 (40-140)	25
Aromatic C21-C36	29.8	3.46	30.0	89		0.67 (40-140)	25

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture
Lab Code: CHEM **Cas No:** Q1744 **SAS No :** Q1744 **SDG No:** Q1744
Sample No : PB167513BS **Datafile:** FC068561.D
Client ID : PB167513BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C9-C12	10	5.72	57		(40-140)
Aliphatic C12-C16	6.7	5.43	82		(40-140)
Aliphatic C16-C21	10	9.70	97		(40-140)
Aliphatic C21-C28	13.3	13.1	98		(40-140)
Aliphatic C28-C40	20.0	19.1	96		(40-140)

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture
Lab Code: CHEM **Cas No:** Q1744 **SAS No :** Q1744 **SDG No:** Q1744
Sample No : PB167513BSD **Datafile:** FC068562.D
Client ID : PB167513BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS	QC Limit Of RPD
Aliphatic C9-C12	10.0	5.89	59		2.8 (40-140)	50
Aliphatic C12-C16	6.7	5.49	82		1.1 (40-140)	50
Aliphatic C16-C21	10.0	9.61	96		1 (40-140)	50
Aliphatic C21-C28	13.3	12.9	97		1.6 (40-140)	50
Aliphatic C28-C40	20.0	19.4	97		1.5 (40-140)	50

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture
Lab Code: CHEM **Cas No:** Q1744 **SAS No :** Q1744 **SDG No:** Q1744
Sample No : PB167513BS **Datafile:** FD049270.D
Client ID : PB167513BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aromatic C10-C12	6.7	4.16	62		(40-140)
Aromatic C12-C16	10	7.05	71		(40-140)
Aromatic C16-C21	16.7	15.0	90		(40-140)
Aromatic C21-C36	26.6	26.7	100		(40-140)

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture
Lab Code: CHEM **Cas No:** Q1744 **SAS No :** Q1744 **SDG No:** Q1744
Sample No : PB167513BSD **Datafile:** FD049271.D
Client ID : PB167513BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS	QC Limit Of RPD
Aromatic C10-C12	6.7	3.95	59		5.3 (40-140)	50
Aromatic C12-C16	10.0	6.67	67		5.7 (40-140)	50
Aromatic C16-C21	16.7	14.2	85		5.6 (40-140)	50
Aromatic C21-C36	26.7	25.8	97		3.3 (40-140)	50

4B
METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167513BL

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM Case No.: Q1744

SAS No.: Q1744 SDG NO.: Q1744

Instrument ID: FID_C

Lab Sample ID: PB167513BL

Matrix: (soil/water) Solid

Date Extracted: 4/8/2025 10:10:00 A

Level: (low/med) low

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

EPA SAMPLE NO.	LAB SAMPLE ID
PB167513BS	PB167513BS
PB167513BSD	PB167513BSD
B-158-SB01	Q1744-01
B-158-SB02	Q1744-03
B-149-SB01MS	Q1746-01MS
B-149-SB01MSD	Q1746-01MSD

COMMENTS: _____



QC SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167513BL	SDG No.:	Q1744
Lab Sample ID:	PB167513BL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
04/08/25 10:10	04/10/25 21:36	PB167513

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.14	U	1	0.14	1.00	mg/kg	FC068560.D
Aliphatic C12-C16	Aliphatic C12-C16	0.11	U	1	0.11	0.67	mg/kg	FC068560.D
Aliphatic C16-C21	Aliphatic C16-C21	0.13	U	1	0.13	1.00	mg/kg	FC068560.D
Aliphatic C21-C28	Aliphatic C21-C28	0.53	U	1	0.53	1.33	mg/kg	FC068560.D
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1	1.18	2.00	mg/kg	FC068560.D
Aromatic C10-C12	Aromatic C10-C12	0.12	U	1	0.12	0.67	mg/kg	FD049269.D
Aromatic C12-C16	Aromatic C12-C16	0.23	U	1	0.23	1.00	mg/kg	FD049269.D
Aromatic C16-C21	Aromatic C16-C21	0.40	U	1	0.40	1.67	mg/kg	FD049269.D
Aromatic C21-C36	Aromatic C21-C36	1.19	U	1	1.19	2.66	mg/kg	FD049269.D
TotalAliphaticEPH	Total AliphaticEPH	2.09	U		2.09	5.99	mg/kg	
TotalAromaticEPH	Total AromaticEPH	1.94	U		1.94	6.00	mg/kg	
Total EPH	Total EPH	4.03	U		4.03	12.0	mg/kg	

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:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167513BL	SDG No.:	Q1744
Lab Sample ID:	PB167513BL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068560.D	1	04/08/25	04/10/25	PB167513

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.14	U	0.14	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.11	U	0.11	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.13	U	0.13	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.53	U	0.53	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.3		40 - 140	72%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50



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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB167513BL	Acq On:	10 Apr 2025 21:36
Client Sample ID:	PB167513BL	Operator:	YP/AJ
Data file:	FC068560.D	Misc:	
Instrument:	FID_C	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.345	6.644	0	0	300	ug/ml
Aliphatic C12-C16	6.645	10.043	0	0	200	ug/ml
Aliphatic C16-C21	10.044	13.409	0	0	300	ug/ml
Aliphatic C21-C28	13.410	17.073	0	0	400	ug/ml
Aliphatic C28-C40	17.074	22.075	0	0	600	ug/ml
Aliphatic EPH	3.345	22.075	0	0		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.143	13.143	3367296	36.25		ug/ml
Aliphatic C9-C28	3.345	17.073	0	0	1200	ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167513BL	SDG No.:	Q1744
Lab Sample ID:	PB167513BL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049269.D	1	04/08/25	04/10/25	PB167513

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.12	U	0.12	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.23	U	0.23	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	0.40	U	0.40	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	1.19	U	1.19	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	48.6		40 - 140	97%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	45.8		40 - 140	92%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	41.5		40 - 140	83%	SPK: 50



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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB167513BL	Acq On:	10 Apr 2025 14:48
Client Sample ID:	PB167513BL	Operator:	YP/AJ
Data file:	FD049269.D	Misc:	
Instrument:	FID_D	ALS Vial:	61
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.440	6.185	0	0	200	ug/ml
Aromatic C12-C16	6.186	8.813	0	0	300	ug/ml
Aromatic C16-C21	8.814	13.102	0	0	500	ug/ml
Aromatic C21-C36	13.103	18.519	0	0	800	ug/ml
Aromatic EPH	4.440	18.519	0	0		ug/ml
2-Bromonaphthalene (SURRE)	7.750	7.750	7195070	48.57		ug/ml
2-Fluorobiphenyl (SURRE)	8.616	8.616	4667252	45.76		ug/ml
ortho-Terphenyl (SURRE)	11.658	11.658	7315586	41.52		ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167513BS	SDG No.:	Q1744
Lab Sample ID:	PB167513BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
04/08/25 10:10	04/10/25 22:14	PB167513

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	5.72		1	0.14	1.00	mg/kg	FC068561.D
Aliphatic C12-C16	Aliphatic C12-C16	5.43		1	0.11	0.67	mg/kg	FC068561.D
Aliphatic C16-C21	Aliphatic C16-C21	9.70		1	0.13	1.00	mg/kg	FC068561.D
Aliphatic C21-C28	Aliphatic C21-C28	13.1		1	0.53	1.33	mg/kg	FC068561.D
Aliphatic C28-C40	Aliphatic C28-C40	19.1		1	1.18	2.00	mg/kg	FC068561.D
Aromatic C10-C12	Aromatic C10-C12	4.16		1	0.12	0.67	mg/kg	FD049270.D
Aromatic C12-C16	Aromatic C12-C16	7.05		1	0.23	1.00	mg/kg	FD049270.D
Aromatic C16-C21	Aromatic C16-C21	15.0		1	0.40	1.67	mg/kg	FD049270.D
Aromatic C21-C36	Aromatic C21-C36	26.7		1	1.19	2.66	mg/kg	FD049270.D
Total AliphaticEPH	Total AliphaticEPH	53.0			2.09	5.99	mg/kg	
Total AromaticEPH	Total AromaticEPH	52.9			1.94	6.00	mg/kg	
Total EPH	Total EPH	106			4.03	12.0	mg/kg	

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:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167513BS	SDG No.:	Q1744
Lab Sample ID:	PB167513BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068561.D	1	04/08/25	04/10/25	PB167513

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	5.72		0.14	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	5.43		0.11	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	9.70		0.13	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	13.1		0.53	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	19.1		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.4		40 - 140	75%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50



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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB167513BS	Acq On:	10 Apr 2025 22:14
Client Sample ID:	PB167513BS	Operator:	YP/AJ
Data file:	FC068561.D	Misc:	
Instrument:	FID_C	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.345	6.644	9042394	85.887	300	ug/ml
Aliphatic C12-C16	6.645	10.043	8338947	81.497	200	ug/ml
Aliphatic C16-C21	10.044	13.409	14390551	145.629	300	ug/ml
Aliphatic C21-C28	13.410	17.073	18583668	197.31	400	ug/ml
Aliphatic C28-C40	17.074	22.075	25756434	286.556	600	ug/ml
Aliphatic EPH	3.345	22.075	76111994	796.878		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.144	13.144	3476251	37.42		ug/ml
Aliphatic C9-C28	3.345	17.073	50355560	510.323	1200	ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167513BS	SDG No.:	Q1744
Lab Sample ID:	PB167513BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049270.D	1	04/08/25	04/10/25	PB167513

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	4.16		0.12	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	7.05		0.23	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	15.0		0.40	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	26.7		1.19	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	48.0		40 - 140	96%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	48.7		40 - 140	97%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	41.3		40 - 140	83%	SPK: 50



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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB167513BS	Acq On:	10 Apr 2025 15:25
Client Sample ID:	PB167513BS	Operator:	YP/AJ
Data file:	FD049270.D	Misc:	
Instrument:	FID_D	ALS Vial:	62
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.440	6.185	9786368	62.416	200	ug/ml
Aromatic C12-C16	6.186	8.813	18016061	105.837	300	ug/ml
Aromatic C16-C21	8.814	13.102	37740425	225.045	500	ug/ml
Aromatic C21-C36	13.103	18.519	55456489	401.45	800	ug/ml
Aromatic EPH	4.440	18.519	120999343	794.748		ug/ml
2-Bromonaphthalene (SURR)	7.751	7.751	7104793	47.96		ug/ml
2-Fluorobiphenyl (SURR)	8.617	8.617	4968091	48.71		ug/ml
ortho-Terphenyl (SURR)	11.658	11.658	7270035	41.26		ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167513BSD	SDG No.:	Q1744
Lab Sample ID:	PB167513BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049271.D	1	04/08/25	04/10/25	PB167513

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	3.95		0.12	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	6.67		0.23	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	14.2		0.40	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	25.8		1.19	2.67	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	45.1		40 - 140	90%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	46.1		40 - 140	92%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	38.6		40 - 140	77%	SPK: 50



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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB167513BSD	Acq On:	10 Apr 2025 16:01
Client Sample ID:	PB167513BSD	Operator:	YP/AJ
Data file:	FD049271.D	Misc:	
Instrument:	FID_D	ALS Vial:	63
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.440	6.185	9301714	59.325	200	ug/ml
Aromatic C12-C16	6.186	8.813	17048886	100.155	300	ug/ml
Aromatic C16-C21	8.814	13.102	35679919	212.759	500	ug/ml
Aromatic C21-C36	13.103	18.519	53517642	387.415	800	ug/ml
Aromatic EPH	4.440	18.519	115548161	759.653		ug/ml
2-Bromonaphthalene (SURR)	7.750	7.750	6686285	45.14		ug/ml
2-Fluorobiphenyl (SURR)	8.617	8.617	4699720	46.07		ug/ml
ortho-Terphenyl (SURR)	11.657	11.657	6796630	38.58		ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167513BSD	SDG No.:	Q1744
Lab Sample ID:	PB167513BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
04/08/25 10:10	04/10/25 22:51	PB167513

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	5.89		1	0.14	1.00	mg/kg FC068562.D
Aliphatic C12-C16	Aliphatic C12-C16	5.49		1	0.11	0.67	mg/kg FC068562.D
Aliphatic C16-C21	Aliphatic C16-C21	9.61		1	0.13	1.00	mg/kg FC068562.D
Aliphatic C21-C28	Aliphatic C21-C28	12.9		1	0.53	1.33	mg/kg FC068562.D
Aliphatic C28-C40	Aliphatic C28-C40	19.4		1	1.18	2.00	mg/kg FC068562.D
Aromatic C10-C12	Aromatic C10-C12	3.95		1	0.12	0.67	mg/kg FD049271.D
Aromatic C12-C16	Aromatic C12-C16	6.67		1	0.23	1.00	mg/kg FD049271.D
Aromatic C16-C21	Aromatic C16-C21	14.2		1	0.40	1.67	mg/kg FD049271.D
Aromatic C21-C36	Aromatic C21-C36	25.8		1	1.19	2.67	mg/kg FD049271.D
Total AliphaticEPH	Total AliphaticEPH	53.3			2.09	6.00	mg/kg
Total AromaticEPH	Total AromaticEPH	50.6			1.94	6.01	mg/kg
Total EPH	Total EPH	104			4.03	12.0	mg/kg

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:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167513BSD	SDG No.:	Q1744
Lab Sample ID:	PB167513BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068562.D	1	04/08/25	04/10/25	PB167513

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	5.89		0.14	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	5.49		0.11	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	9.61		0.13	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	12.9		0.53	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	19.4		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.4		40 - 140	73%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50



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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB167513BSD	Acq On:	10 Apr 2025 22:51
Client Sample ID:	PB167513BSD	Operator:	YP/AJ
Data file:	FC068562.D	Misc:	
Instrument:	FID_C	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.345	6.644	9299361	88.328	300	ug/ml
Aliphatic C12-C16	6.645	10.043	8429399	82.381	200	ug/ml
Aliphatic C16-C21	10.044	13.409	14243382	144.14	300	ug/ml
Aliphatic C21-C28	13.410	17.073	18255682	193.827	400	ug/ml
Aliphatic C28-C40	17.074	22.075	26143226	290.859	600	ug/ml
Aliphatic EPH	3.345	22.075	76371050	799.535		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.144	13.144	3378740	36.37		ug/ml
Aliphatic C9-C28	3.345	17.073	50227824	508.676	1200	ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	B-149-SB01MS	SDG No.:	Q1744
Lab Sample ID:	Q1746-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.3
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
04/08/25 10:10	04/11/25 1:55	PB167513

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	5.46		1	0.16	1.12	mg/kg	FC068567.D
Aliphatic C12-C16	Aliphatic C12-C16	7.54		1	0.12	0.75	mg/kg	FC068567.D
Aliphatic C16-C21	Aliphatic C16-C21	10.3		1	0.14	1.12	mg/kg	FC068567.D
Aliphatic C21-C28	Aliphatic C21-C28	13.2		1	0.59	1.49	mg/kg	FC068567.D
Aliphatic C28-C40	Aliphatic C28-C40	20.9		1	1.32	2.24	mg/kg	FC068567.D
Aromatic C10-C12	Aromatic C10-C12	3.09		1	0.13	0.75	mg/kg	FD049276.D
Aromatic C12-C16	Aromatic C12-C16	6.86		1	0.26	1.12	mg/kg	FD049276.D
Aromatic C16-C21	Aromatic C16-C21	18.3		1	0.45	1.86	mg/kg	FD049276.D
Aromatic C21-C36	Aromatic C21-C36	30.2		1	1.33	2.98	mg/kg	FD049276.D
Total AliphaticEPH	Total AliphaticEPH	57.4			2.34	6.72	mg/kg	
Total AromaticEPH	Total AromaticEPH	58.5			2.17	6.71	mg/kg	
Total EPH	Total EPH	116			4.51	13.4	mg/kg	

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:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	B-149-SB01MS	SDG No.:	Q1744
Lab Sample ID:	Q1746-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.3
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068567.D	1	04/08/25	04/11/25	PB167513

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
	Aliphatic C9-C12	5.46		0.16	1.12	mg/kg
	Aliphatic C12-C16	7.54		0.12	0.75	mg/kg
	Aliphatic C16-C21	10.3		0.14	1.12	mg/kg
	Aliphatic C21-C28	13.2		0.59	1.49	mg/kg
	Aliphatic C28-C40	20.9		1.32	2.24	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	40.0		40 - 140	80%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50



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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1746-01MS	Acq On:	11 Apr 2025 01:55
Client Sample ID:	B-149-SB01MS	Operator:	YP/AJ
Data file:	FC068567.D	Misc:	
Instrument:	FID_C	ALS Vial:	26
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.345	6.644	7702838	73.164	300	ug/ml
Aliphatic C12-C16	6.645	10.043	10348107	101.132	200	ug/ml
Aliphatic C16-C21	10.044	13.409	13666430	138.301	300	ug/ml
Aliphatic C21-C28	13.410	17.073	16611483	176.37	400	ug/ml
Aliphatic C28-C40	17.074	22.075	25202936	280.398	600	ug/ml
Aliphatic EPH	3.345	22.075	73531794	769.365		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.145	13.145	3712633	39.97		ug/ml
Aliphatic C9-C28	3.345	17.073	48328858	488.967	1200	ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	B-149-SB01MS	SDG No.:	Q1744
Lab Sample ID:	Q1746-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.3
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049276.D	1	04/08/25	04/10/25	PB167513

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	3.09		0.13	0.75	mg/kg
Aromatic C12-C16	Aromatic C12-C16	6.86		0.26	1.12	mg/kg
Aromatic C16-C21	Aromatic C16-C21	18.3		0.45	1.86	mg/kg
Aromatic C21-C36	Aromatic C21-C36	30.2		1.33	2.98	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	37.3		40 - 140	75%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	31.3		40 - 140	63%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.3		40 - 140	63%	SPK: 50



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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1746-01MS	Acq On:	10 Apr 2025 19:07
Client Sample ID:	B-149-SB01MS	Operator:	YP/AJ
Data file:	FD049276.D	Misc:	
Instrument:	FID_D	ALS Vial:	68
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.440	6.185	6502884	41.475	200	ug/ml
Aromatic C12-C16	6.186	8.813	15663652	92.017	300	ug/ml
Aromatic C16-C21	8.814	13.102	41109336	245.134	500	ug/ml
Aromatic C21-C36	13.103	18.519	55857007	404.349	800	ug/ml
Aromatic EPH	4.440	18.519	119132879	782.975		ug/ml
2-Bromonaphthalene (SURRE)	7.750	7.750	5519783	37.26		ug/ml
2-Fluorobiphenyl (SURRE)	8.615	8.615	3189374	31.27		ug/ml
ortho-Terphenyl (SURRE)	11.658	11.658	5506873	31.26		ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	B-149-SB01MSD	SDG No.:	Q1744
Lab Sample ID:	Q1746-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.3
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049277.D	1	04/08/25	04/10/25	PB167513

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	3.09		0.13	0.75	mg/kg
Aromatic C12-C16	Aromatic C12-C16	6.69		0.26	1.12	mg/kg
Aromatic C16-C21	Aromatic C16-C21	18.0		0.45	1.86	mg/kg
Aromatic C21-C36	Aromatic C21-C36	30.0		1.33	2.98	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	36.5		40 - 140	73%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	30.6		40 - 140	61%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.6		40 - 140	61%	SPK: 50



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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1746-01MSD	Acq On:	10 Apr 2025 19:45
Client Sample ID:	B-149-SB01MSD	Operator:	YP/AJ
Data file:	FD049277.D	Misc:	
Instrument:	FID_D	ALS Vial:	69
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.440	6.185	6505753	41.493	200	ug/ml
Aromatic C12-C16	6.186	8.813	15286302	89.801	300	ug/ml
Aromatic C16-C21	8.814	13.102	40540836	241.744	500	ug/ml
Aromatic C21-C36	13.103	18.519	55547232	402.107	800	ug/ml
Aromatic EPH	4.440	18.519	117880123	775.144		ug/ml
2-Bromonaphthalene (SURRE)	7.749	7.749	5402290	36.47		ug/ml
2-Fluorobiphenyl (SURRE)	8.615	8.615	3125160	30.64		ug/ml
ortho-Terphenyl (SURRE)	11.657	11.657	5397335	30.63		ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	B-149-SB01MSD	SDG No.:	Q1744
Lab Sample ID:	Q1746-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.3
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
04/08/25 10:10	04/11/25 2:32	PB167513

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	5.41		1	0.16	1.12	mg/kg FC068568.D
Aliphatic C12-C16	Aliphatic C12-C16	7.48		1	0.12	0.75	mg/kg FC068568.D
Aliphatic C16-C21	Aliphatic C16-C21	10.0		1	0.14	1.12	mg/kg FC068568.D
Aliphatic C21-C28	Aliphatic C21-C28	12.9		1	0.59	1.49	mg/kg FC068568.D
Aliphatic C28-C40	Aliphatic C28-C40	20.9		1	1.32	2.24	mg/kg FC068568.D
Aromatic C10-C12	Aromatic C10-C12	3.09		1	0.13	0.75	mg/kg FD049277.D
Aromatic C12-C16	Aromatic C12-C16	6.69		1	0.26	1.12	mg/kg FD049277.D
Aromatic C16-C21	Aromatic C16-C21	18.0		1	0.45	1.86	mg/kg FD049277.D
Aromatic C21-C36	Aromatic C21-C36	30.0		1	1.33	2.98	mg/kg FD049277.D
Total AliphaticEPH	Total AliphaticEPH	56.7			2.34	6.71	mg/kg
Total AromaticEPH	Total AromaticEPH	57.8			2.17	6.71	mg/kg
Total EPH	Total EPH	114			4.50	13.4	mg/kg

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:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	B-149-SB01MSD	SDG No.:	Q1744
Lab Sample ID:	Q1746-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.3
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068568.D	1	04/08/25	04/11/25	PB167513

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
	Aliphatic C9-C12	Aliphatic C9-C12	5.41	0.16	1.12	mg/kg
	Aliphatic C12-C16	Aliphatic C12-C16	7.48	0.12	0.75	mg/kg
	Aliphatic C16-C21	Aliphatic C16-C21	10.0	0.14	1.12	mg/kg
	Aliphatic C21-C28	Aliphatic C21-C28	12.9	0.59	1.49	mg/kg
	Aliphatic C28-C40	Aliphatic C28-C40	20.9	1.32	2.24	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	40.4		40 - 140	81%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50



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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1746-01MSD	Acq On:	11 Apr 2025 02:32
Client Sample ID:	B-149-SB01MSD	Operator:	YP/AJ
Data file:	FC068568.D	Misc:	
Instrument:	FID_C	ALS Vial:	27
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.345	6.644	7650872	72.67	300	ug/ml
Aliphatic C12-C16	6.645	10.043	10268534	100.355	200	ug/ml
Aliphatic C16-C21	10.044	13.409	13273967	134.329	300	ug/ml
Aliphatic C21-C28	13.410	17.073	16271859	172.764	400	ug/ml
Aliphatic C28-C40	17.074	22.075	25154299	279.857	600	ug/ml
Aliphatic EPH	3.345	22.075	72619531	759.975		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.148	13.148	3752451	40.4		ug/ml
Aliphatic C9-C28	3.345	17.073	47465232	480.118	1200	ug/ml



CALIBRATION SUMMARY

Initial Calibration Report for SequenceID : FC040925AL

AreaCount

Parameter Range	FC068515.D	FC068516.D	FC068517.D	FC068518.D	FC068519.D	
Aliphatic C9-C12	28917690.000	15222657.000	6286032.000	3422392.000	1645296.000	
Aliphatic C12-C16	18431489.000	9897338.000	4088590.000	2253140.000	1056103.000	
Aliphatic C16-C21	26693561.000	14380121.000	5937795.000	3290227.000	1508988.000	
Aliphatic C21-C28	34681529.000	18246305.000	7529133.000	4137443.000	1908822.000	
Aliphatic C28-C40	51686216.000	25852842.000	10689091.000	5728785.000	2776165.000	
Aliphatic EPH	160410485.000	83599263.000	34530641.000	18831987.000	8895374.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	105282.0026666	6.555				
Aliphatic C12-C16	102322.575	7.446				
Aliphatic C16-C21	98816.5386664	7.616				
Aliphatic C21-C28	94185.337	6.542				
Aliphatic C28-C40	89882.8349998	4.545				
Aliphatic EPH	96276.6184442	6.125				

Concentration

Parameter Range	FC068515.D	FC068516.D	FC068517.D	FC068518.D	FC068519.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	FC068515.D	FC068516.D	FC068517.D	FC068518.D	FC068519.D	
Aliphatic C9-C12	96392.300000	101484.380000	104767.200000	114079.733333	109686.400000	
Aliphatic C12-C16	92157.445000	98973.380000	102214.750000	112657.000000	105610.300000	
Aliphatic C16-C21	88978.536666	95867.473333	98963.250000	109674.233333	100599.200000	

Initial Calibration Report for SequenceID : FC040925AL

Aliphatic C21-C28	86703.822500	91231.525000	94114.162500	103436.075000	95441.100000	
Aliphatic C28-C40	86143.693333	86176.140000	89075.758333	95479.750000	92538.833333	
Aliphatic EPH	89116.936111	92888.070000	95918.447222	104622.150000	98837.488888	

Initial Calibration Report for SequenceID : FD040725AR

AreaCount

Parameter Range	FD049232.D	FD049233.D	FD049234.D	FD049235.D	FD049236.D	
Aromatic C10-C12	29839752.000	14982241.000	6112471.000	3350222.000	1646164.000	
Aromatic C12-C16	49677487.000	24625801.000	9979747.000	5389632.000	2630674.000	
Aromatic C16-C21	65416364.000	32353084.000	13305741.000	7066388.000	3404391.000	
Aromatic C21-C36	119779017.000	59475216.000	24862220.000	13179500.000	6339819.000	
Aromatic EPH	264712620.000	131436342.000	54260179.000	28985742.000	14021048.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aromatic C10-C12	156792.089	5.507				
Aromatic C12-C16	170225.0826662	4.035				
Aromatic C16-C21	167701.4685	3.541				
Aromatic C21-C36	138140.428666	4.246				
Aromatic EPH	152129.3976664	4.123				

Concentration

Parameter Range	FD049232.D	FD049233.D	FD049234.D	FD049235.D	FD049236.D	
Aromatic C10-C12	200.000	100.000	40.000	20.000	10.000	
Aromatic C12-C16	300.000	150.000	60.000	30.000	15.000	
Aromatic C16-C21	400.000	200.000	80.000	40.000	20.000	
Aromatic C21-C36	900.000	450.000	180.000	90.000	45.000	
Aromatic EPH	1800.000	900.000	360.000	180.000	90.000	

Response Factor

Parameter Range	FD049232.D	FD049233.D	FD049234.D	FD049235.D	FD049236.D	
Aromatic C10-C12	149198.760000	149822.410000	152811.775000	167511.100000	164616.400000	
Aromatic C12-C16	165591.623333	164172.006666	166329.116666	179654.400000	175378.266666	
Aromatic C16-C21	163540.910000	161765.420000	166321.762500	176659.700000	170219.550000	
Aromatic C21-C36	133087.796666	132167.146666	138123.444444	146438.888888	140884.866666	
Aromatic EPH	147062.566666	146040.380000	150722.719444	161031.900000	155789.422222	

Continuing Calibration Report for SequenceID : FC041125AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
-----------	-----------	-------	--------	--------	-----------------	-------	------

File ID : FC068559.D

Aliphatic C9-C12	6096249.000	60.000	3.345	6.644	101604.150	105282.003	3.493
Aliphatic C12-C16	3784483.000	40.000	6.645	10.043	94612.075	102322.575	7.535
Aliphatic C16-C21	5304758.000	60.000	10.044	13.409	88412.633	98816.539	10.529
Aliphatic C21-C28	6712207.000	80.000	13.410	17.073	83902.588	94185.337	10.918
Aliphatic C28-C40	10067118.000	120.000	17.074	22.075	83892.650	89882.835	6.664
Aliphatic EPH	31964815.000	360.000	3.345	22.075	88791.153	96276.618	7.775

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	10 Apr 2025 19:45
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068559.D	Misc:	
Instrument:	FID_C	ALS Vial:	9
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.345	6.644	6096249.000	60.000	ug/ml
Aliphatic C12-C16	6.645	10.043	3784483.000	40.000	ug/ml
Aliphatic C16-C21	10.044	13.409	5304758.000	60.000	ug/ml
Aliphatic C21-C28	13.410	17.073	6712207.000	80.000	ug/ml
Aliphatic C28-C40	17.074	22.075	10067118.000	120.000	ug/ml
Aliphatic EPH	3.345	22.075	31964815.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FC041125AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
-----------	-----------	-------	--------	--------	-----------------	-------	------

File ID : FC068571.D

Aliphatic C9-C12	6233414.000	60.000	3.345	6.644	103890.233	105282.003	1.322
Aliphatic C12-C16	3778079.000	40.000	6.645	10.043	94451.975	102322.575	7.692
Aliphatic C16-C21	5202338.000	60.000	10.044	13.409	86705.633	98816.539	12.256
Aliphatic C21-C28	6676284.000	80.000	13.410	17.073	83453.550	94185.337	11.394
Aliphatic C28-C40	10202260.000	120.000	17.074	22.075	85018.833	89882.835	5.411
Aliphatic EPH	32092375.000	360.000	3.345	22.075	89145.486	96276.618	7.407

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	11 Apr 2025 04:22
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068571.D	Misc:	
Instrument:	FID_C	ALS Vial:	9
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.345	6.644	6233414.000	60.000	ug/ml
Aliphatic C12-C16	6.645	10.043	3778079.000	40.000	ug/ml
Aliphatic C16-C21	10.044	13.409	5202338.000	60.000	ug/ml
Aliphatic C21-C28	13.410	17.073	6676284.000	80.000	ug/ml
Aliphatic C28-C40	17.074	22.075	10202260.000	120.000	ug/ml
Aliphatic EPH	3.345	22.075	32092375.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FD041025AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
-----------	-----------	-------	--------	--------	-----------------	-------	------

File ID : FD049268.D

Aromatic C10-C12	5439988.000	40.000	4.440	6.185	135999.700	156792.089	13.261
Aromatic C12-C16	8722016.000	60.000	6.186	8.813	145366.933	170225.083	14.603
Aromatic C16-C21	11673840.000	80.000	8.814	13.102	145923.000	167701.469	12.986
Aromatic C21-C36	23479622.000	180.000	13.103	18.519	130442.344	138140.429	5.573
Aromatic EPH	49315466.000	360.000	4.440	18.519	136987.406	152129.398	9.953

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	10 Apr 2025 14:10
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049268.D	Misc:	
Instrument:	FID_D	ALS Vial:	54
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.440	6.185	5439988.000	40.000	ug/ml
Aromatic C12-C16	6.186	8.813	8722016.000	60.000	ug/ml
Aromatic C16-C21	8.814	13.102	11673840.000	80.000	ug/ml
Aromatic C21-C36	13.103	18.519	23479622.000	180.000	ug/ml
Aromatic EPH	4.440	18.519	49315466.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FD041025AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
-----------	-----------	-------	--------	--------	-----------------	-------	------

File ID : FD049280.D

Aromatic C10-C12	5275482.000	40.000	4.440	6.185	131887.050	156792.089	15.884
Aromatic C12-C16	8494935.000	60.000	6.186	8.813	141582.250	170225.083	16.826
Aromatic C16-C21	11446135.000	80.000	8.814	13.102	143076.688	167701.469	14.684
Aromatic C21-C36	22930748.000	180.000	13.103	18.519	127393.044	138140.429	7.780
Aromatic EPH	48147300.000	360.000	4.440	18.519	133742.500	152129.398	12.086

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	10 Apr 2025 21:36
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049280.D	Misc:	
Instrument:	FID_D	ALS Vial:	54
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.440	6.185	5275482.000	40.000	ug/ml
Aromatic C12-C16	6.186	8.813	8494935.000	60.000	ug/ml
Aromatic C16-C21	8.814	13.102	11446135.000	80.000	ug/ml
Aromatic C21-C36	13.103	18.519	22930748.000	180.000	ug/ml
Aromatic EPH	4.440	18.519	48147300.000	360.000	ug/ml



SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041125AL\
Data File : FC068563.D
Signal(s) : FID1A.ch
Acq On : 10 Apr 2025 23:28
Operator : YP/AJ
Sample : Q1744-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
B-158-SB01

Integration File: autoint1.e
Quant Time: Apr 11 03:46:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 17:31:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.145	4456429	47.973 ug/ml
Spiked Amount	50.000	Recovery	= 95.95%

Target Compounds

(f)=RT Delta > 1/2 Window

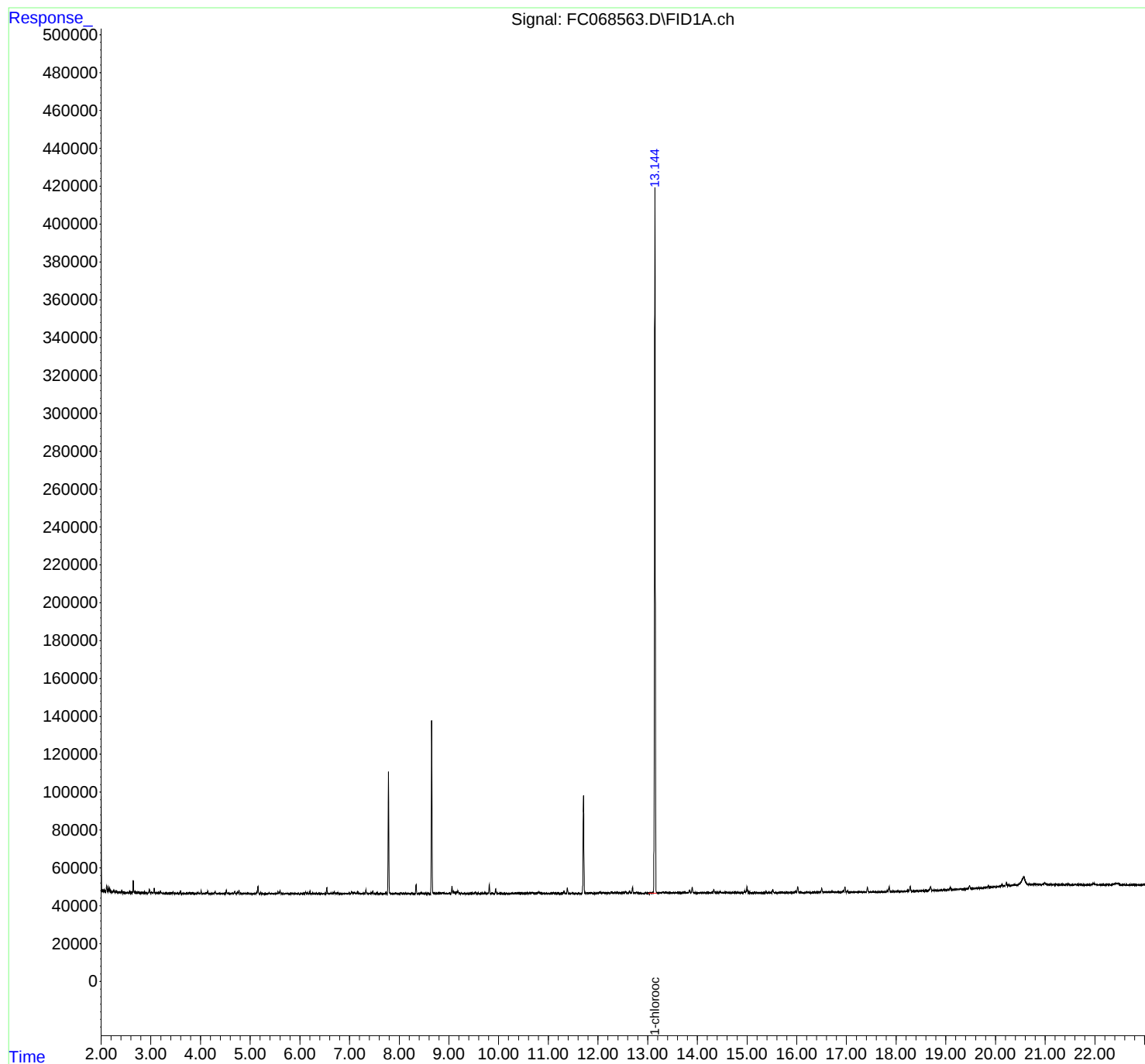
(m)=manual int.

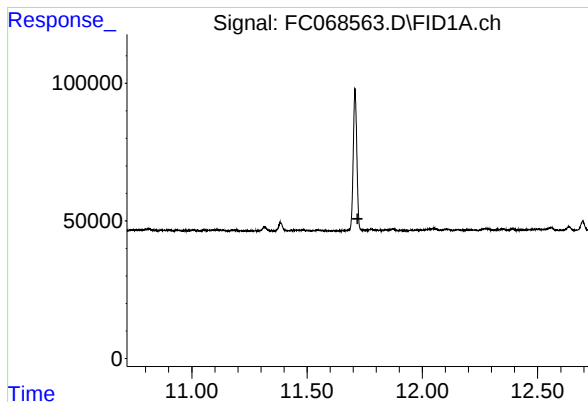
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041125AL\
Data File : FC068563.D
Signal(s) : FID1A.ch
Acq On : 10 Apr 2025 23:28
Operator : YP/AJ
Sample : Q1744-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
B-158-SB01

Integration File: autoint1.e
Quant Time: Apr 11 03:46:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 17:31:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

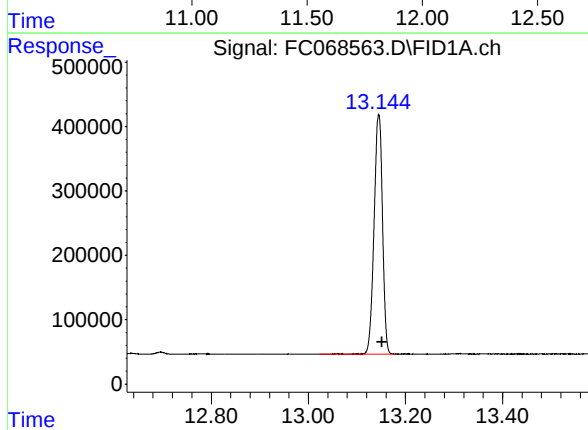




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.719 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
B-158-SB01



#12 1-chlorooctadecane (SURR)

R.T.: 13.145 min
Delta R.T.: -0.007 min
Response: 4456429
Conc: 47.97 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041125AL\
 Data File : FC068563.D
 Signal(s) : FID1A.ch
 Acq On : 10 Apr 2025 23:28
 Sample : Q1744-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.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	2.417	2.371	2.444	BV	937	6705	0.15%	0.058%
2	2.454	2.444	2.506	PV	78	821	0.02%	0.007%
3	2.526	2.506	2.551	PV	73	984	0.02%	0.008%
4	2.570	2.551	2.595	VV	504	5887	0.13%	0.051%
5	2.603	2.595	2.621	PV	270	2631	0.06%	0.023%
6	2.647	2.621	2.671	VV	6548	53858	1.21%	0.463%
7	2.683	2.671	2.702	VV	629	7162	0.16%	0.062%
8	2.710	2.702	2.722	VV	194	1677	0.04%	0.014%
9	2.744	2.722	2.763	PV	150	2258	0.05%	0.019%
10	2.777	2.763	2.792	VV	261	2042	0.05%	0.018%
11	2.814	2.792	2.831	VV	249	3737	0.08%	0.032%
12	2.837	2.831	2.845	VV	97	775	0.02%	0.007%
13	2.879	2.845	2.928	VV	551	7611	0.17%	0.065%
14	2.969	2.928	3.001	PV	1912	24961	0.56%	0.215%
15	3.017	3.001	3.051	VV	851	9297	0.21%	0.080%
16	3.069	3.051	3.124	VV	2713	26394	0.59%	0.227%
17	3.148	3.124	3.176	VV	337	5222	0.12%	0.045%
18	3.197	3.176	3.258	VV	1307	14656	0.33%	0.126%
19	3.270	3.258	3.318	VV	164	2722	0.06%	0.023%
20	3.354	3.318	3.414	PV	181	4264	0.10%	0.037%
21	3.446	3.414	3.488	VV	978	11296	0.25%	0.097%
22	3.502	3.488	3.518	PV	121	1223	0.03%	0.011%
23	3.551	3.518	3.577	VV	190	4327	0.10%	0.037%
24	3.597	3.577	3.624	VV	1541	14063	0.31%	0.121%
25	3.645	3.624	3.705	PV	219	4695	0.11%	0.040%
26	3.725	3.705	3.745	VV	184	3356	0.08%	0.029%
27	3.774	3.745	3.799	VV	430	7926	0.18%	0.068%
28	3.832	3.799	3.888	VV	467	9505	0.21%	0.082%
29	3.899	3.888	3.915	VV	119	912	0.02%	0.008%
30	3.945	3.915	3.958	VV	334	4498	0.10%	0.039%
31	3.970	3.958	3.981	VV	186	1565	0.04%	0.013%
32	4.014	3.981	4.080	VV	1628	18901	0.42%	0.162%
33	4.119	4.080	4.131	PV	601	7841	0.18%	0.067%
34	4.147	4.131	4.171	VV	1397	14350	0.32%	0.123%
35	4.186	4.171	4.198	VV	177	2132	0.05%	0.018%
36	4.215	4.198	4.258	VV	308	4807	0.11%	0.041%

					rt	Area	Area%	Area%
37	4.293	4.258	4.316	VV	955	16576	0.37%	0.142%
38	4.330	4.316	4.382	VV	272	5766	0.13%	0.050%
39	4.390	4.382	4.401	VV	163	1203	0.03%	0.010%
40	4.434	4.401	4.458	VV	206	4791	0.11%	0.041%
41	4.520	4.458	4.545	VV	2033	24292	0.54%	0.209%
42	4.565	4.545	4.582	VV	307	4554	0.10%	0.039%
43	4.632	4.582	4.659	VV	381	7664	0.17%	0.066%
44	4.689	4.659	4.711	VV	1309	16915	0.38%	0.145%
45	4.745	4.711	4.761	VV	1273	16117	0.36%	0.139%
46	4.775	4.761	4.796	VV	1982	18827	0.42%	0.162%
47	4.806	4.796	4.818	VV	146	1800	0.04%	0.015%
48	4.827	4.818	4.843	VV	193	1813	0.04%	0.016%
49	4.904	4.843	4.923	VV	301	7884	0.18%	0.068%
50	4.938	4.923	4.954	VV	221	2958	0.07%	0.025%
51	4.964	4.954	4.991	VV	194	3317	0.07%	0.029%
52	4.999	4.991	5.045	VV	130	2141	0.05%	0.018%
53	5.079	5.045	5.106	VV	291	4992	0.11%	0.043%
54	5.157	5.106	5.186	VV	4041	53790	1.20%	0.462%
55	5.214	5.186	5.230	VV	791	9723	0.22%	0.084%
56	5.243	5.230	5.311	VV	326	7098	0.16%	0.061%
57	5.351	5.311	5.368	PV	232	3668	0.08%	0.032%
58	5.384	5.368	5.421	VV	561	6640	0.15%	0.057%
59	5.436	5.421	5.497	VV	185	4939	0.11%	0.042%
60	5.526	5.497	5.540	VV	237	4011	0.09%	0.034%
61	5.561	5.540	5.580	VV	1256	13089	0.29%	0.113%
62	5.602	5.580	5.643	VV	1764	20307	0.45%	0.175%
63	5.659	5.643	5.685	VV	401	3634	0.08%	0.031%
64	5.750	5.685	5.789	PV	420	11443	0.26%	0.098%
65	5.851	5.789	5.888	VV	371	10259	0.23%	0.088%
66	5.907	5.888	5.928	VV	368	4957	0.11%	0.043%
67	5.959	5.928	6.001	VV	171	4913	0.11%	0.042%
68	6.017	6.001	6.032	VV	209	2677	0.06%	0.023%
69	6.062	6.032	6.080	VV	291	4435	0.10%	0.038%
70	6.117	6.080	6.145	VV	1060	16427	0.37%	0.141%
71	6.160	6.145	6.185	VV	591	7859	0.18%	0.068%
72	6.202	6.185	6.235	VV	1265	15126	0.34%	0.130%
73	6.263	6.235	6.300	VV	744	10249	0.23%	0.088%
74	6.335	6.300	6.370	VV	341	9110	0.20%	0.078%
75	6.380	6.370	6.405	VV	191	3306	0.07%	0.028%
76	6.421	6.405	6.498	VV	195	6059	0.14%	0.052%
77	6.543	6.516	6.573	VV	3330	34529	0.77%	0.297%
78	6.586	6.573	6.598	VV	141	1782	0.04%	0.015%
79	6.629	6.598	6.647	VV	609	8504	0.19%	0.073%
80	6.664	6.647	6.678	VV	426	5571	0.12%	0.048%
81	6.693	6.678	6.714	VV	1353	14383	0.32%	0.124%
82	6.729	6.714	6.746	VV	403	5254	0.12%	0.045%
83	6.766	6.746	6.796	VV	591	8238	0.18%	0.071%
84	6.821	6.796	6.847	PV	187	3754	0.08%	0.032%
85	6.872	6.847	6.892	VV	249	3806	0.09%	0.033%
86	6.915	6.892	6.925	VV	172	2693	0.06%	0.023%
87	6.943	6.925	6.965	VV	241	3343	0.07%	0.029%
88	6.988	6.965	7.017	VV	581	8177	0.18%	0.070%
89	7.041	7.017	7.078	VV	1031	19601	0.44%	0.168%

					rt	ret	area	%area
90	7.102	7.078	7.130	VV	801	15699	0.35%	0.135%
91	7.167	7.130	7.190	VV	1142	18975	0.42%	0.163%
92	7.203	7.190	7.232	VV	296	4549	0.10%	0.039%
93	7.247	7.232	7.260	VV	247	2839	0.06%	0.024%
94	7.275	7.260	7.291	VV	305	3191	0.07%	0.027%
95	7.330	7.291	7.370	VV	2070	26931	0.60%	0.231%
96	7.389	7.370	7.418	VV	337	6757	0.15%	0.058%
97	7.435	7.418	7.447	VV	524	5586	0.13%	0.048%
98	7.468	7.447	7.490	VV	1547	18204	0.41%	0.156%
99	7.505	7.490	7.515	VV	258	2692	0.06%	0.023%
100	7.559	7.515	7.605	VV	633	13753	0.31%	0.118%
101	7.617	7.605	7.664	VV	177	4385	0.10%	0.038%
102	7.678	7.664	7.710	PV	162	2963	0.07%	0.025%
103	7.731	7.710	7.758	VV	881	11305	0.25%	0.097%
104	7.785	7.758	7.857	VV	64510	623607	13.96%	5.360%
105	7.890	7.857	7.945	VV	279	10237	0.23%	0.088%
106	7.950	7.945	7.968	VV	236	2041	0.05%	0.018%
107	7.971	7.968	7.981	VV	130	775	0.02%	0.007%
108	7.993	7.981	8.015	VV	233	2470	0.06%	0.021%
109	8.035	8.015	8.075	VV	805	9811	0.22%	0.084%
110	8.092	8.075	8.112	VV	576	6463	0.14%	0.056%
111	8.128	8.112	8.148	VV	201	3016	0.07%	0.026%
112	8.161	8.148	8.181	VV	251	2389	0.05%	0.021%
113	8.201	8.181	8.224	VV	146	2404	0.05%	0.021%
114	8.246	8.224	8.265	VV	516	6741	0.15%	0.058%
115	8.273	8.265	8.315	VV	257	4143	0.09%	0.036%
116	8.340	8.315	8.418	VV	4849	56426	1.26%	0.485%
117	8.439	8.418	8.477	VV	465	10916	0.24%	0.094%
118	8.491	8.477	8.516	VV	301	4558	0.10%	0.039%
119	8.536	8.516	8.561	PV	274	4112	0.09%	0.035%
120	8.576	8.561	8.618	VV	462	5277	0.12%	0.045%
121	8.654	8.618	8.731	VV	90894	908577	20.34%	7.809%
122	8.756	8.731	8.774	VV	366	7070	0.16%	0.061%
123	8.802	8.774	8.817	VV	462	9516	0.21%	0.082%
124	8.831	8.817	8.845	VV	559	6809	0.15%	0.059%
125	8.854	8.845	8.861	VV	398	3501	0.08%	0.030%
126	8.879	8.861	8.921	VV	832	17943	0.40%	0.154%
127	8.945	8.921	8.967	VV	357	5847	0.13%	0.050%
128	8.997	8.967	9.021	VV	321	6410	0.14%	0.055%
129	9.064	9.021	9.082	VV	4109	46883	1.05%	0.403%
130	9.096	9.082	9.137	VV	1277	23259	0.52%	0.200%
131	9.182	9.137	9.210	VV	1575	37089	0.83%	0.319%
132	9.220	9.210	9.238	VV	405	3943	0.09%	0.034%
133	9.252	9.238	9.278	VV	486	6319	0.14%	0.054%
134	9.301	9.278	9.335	VV	360	6005	0.13%	0.052%
135	9.354	9.335	9.368	VV	250	3403	0.08%	0.029%
136	9.384	9.368	9.431	VV	317	6621	0.15%	0.057%
137	9.467	9.431	9.503	VV	477	10632	0.24%	0.091%
138	9.533	9.503	9.564	VV	958	15355	0.34%	0.132%
139	9.585	9.564	9.616	VV	325	6438	0.14%	0.055%
140	9.626	9.616	9.647	VV	209	2709	0.06%	0.023%
141	9.669	9.647	9.699	VV	484	7394	0.17%	0.064%

					rteres			
142	9.722	9.699	9.761	VV	839	10059	0.23%	0.086%
143	9.784	9.761	9.794	VV	496	5299	0.12%	0.046%
144	9.814	9.794	9.839	VV	4959	50067	1.12%	0.430%
145	9.861	9.839	9.913	VV	585	8029	0.18%	0.069%
146	9.942	9.913	9.975	PV	2688	30777	0.69%	0.265%
147	9.985	9.975	9.993	VV	122	789	0.02%	0.007%
148	10.016	9.993	10.082	VV	315	10720	0.24%	0.092%
149	10.107	10.082	10.127	VV	158	3037	0.07%	0.026%
150	10.141	10.127	10.178	VV	122	1724	0.04%	0.015%
151	10.222	10.178	10.235	PV	232	3833	0.09%	0.033%
152	10.266	10.235	10.279	VV	316	5224	0.12%	0.045%
153	10.294	10.279	10.313	VV	246	4349	0.10%	0.037%
154	10.336	10.313	10.355	VV	491	7883	0.18%	0.068%
155	10.377	10.355	10.395	VV	436	7066	0.16%	0.061%
156	10.421	10.395	10.454	VV	381	9106	0.20%	0.078%
157	10.470	10.454	10.501	VV	357	6301	0.14%	0.054%
158	10.505	10.501	10.521	VV	218	1725	0.04%	0.015%
159	10.545	10.521	10.561	VV	409	6471	0.14%	0.056%
160	10.569	10.561	10.597	VV	399	6950	0.16%	0.060%
161	10.616	10.597	10.626	VV	480	6517	0.15%	0.056%
162	10.630	10.626	10.651	VV	424	5138	0.12%	0.044%
163	10.680	10.651	10.721	VV	839	18378	0.41%	0.158%
164	10.742	10.721	10.786	VV	392	12668	0.28%	0.109%
165	10.813	10.786	10.856	VV	852	18773	0.42%	0.161%
166	10.896	10.856	10.924	VV	348	9473	0.21%	0.081%
167	10.938	10.924	10.975	VV	301	5849	0.13%	0.050%
168	11.008	10.975	11.037	VV	353	8005	0.18%	0.069%
169	11.051	11.037	11.071	VV	257	4057	0.09%	0.035%
170	11.079	11.071	11.091	VV	298	2823	0.06%	0.024%
171	11.109	11.091	11.156	VV	463	11191	0.25%	0.096%
172	11.189	11.156	11.225	VV	300	6150	0.14%	0.053%
173	11.233	11.225	11.282	VV	110	2927	0.07%	0.025%
174	11.316	11.282	11.354	VV	1491	20594	0.46%	0.177%
175	11.385	11.354	11.418	VV	3063	37631	0.84%	0.323%
176	11.481	11.418	11.515	VV	407	12696	0.28%	0.109%
177	11.545	11.515	11.568	VV	334	5110	0.11%	0.044%
178	11.580	11.568	11.648	VV	180	5293	0.12%	0.045%
179	11.708	11.648	11.760	PV	51665	566178	12.67%	4.866%
180	11.780	11.760	11.822	VV	512	11216	0.25%	0.096%
181	11.842	11.822	11.854	VV	418	5949	0.13%	0.051%
182	11.871	11.854	11.916	VV	646	11501	0.26%	0.099%
183	11.932	11.916	11.945	VV	153	2305	0.05%	0.020%
184	11.979	11.945	11.995	VV	291	7143	0.16%	0.061%
185	12.050	11.995	12.088	VV	825	25862	0.58%	0.222%
186	12.105	12.088	12.129	VV	704	10824	0.24%	0.093%
187	12.154	12.129	12.174	VV	421	8146	0.18%	0.070%
188	12.193	12.174	12.241	VV	370	10853	0.24%	0.093%
189	12.275	12.241	12.311	VV	900	20392	0.46%	0.175%
190	12.348	12.311	12.371	VV	647	14931	0.33%	0.128%
191	12.391	12.371	12.410	VV	814	10638	0.24%	0.091%
192	12.433	12.410	12.442	VV	370	6227	0.14%	0.054%
193	12.449	12.442	12.455	VV	344	2524	0.06%	0.022%
194	12.508	12.455	12.535	VV	629	21769	0.49%	0.187%

					rteres			
195	12.558	12.535	12.605	VV	1136	22155	0.50%	0.190%
196	12.635	12.605	12.662	VV	1408	21169	0.47%	0.182%
197	12.695	12.662	12.746	VV	3412	46726	1.05%	0.402%
198	12.781	12.746	12.805	VV	650	14778	0.33%	0.127%
199	12.814	12.805	12.891	VV	314	7666	0.17%	0.066%
200	12.904	12.891	12.921	VV	163	2040	0.05%	0.018%
201	12.967	12.921	12.975	VV	308	6362	0.14%	0.055%
202	12.981	12.975	13.007	VV	271	3690	0.08%	0.032%
203	13.019	13.007	13.040	VV	278	3402	0.08%	0.029%
204	13.060	13.040	13.078	VV	451	6654	0.15%	0.057%
205	13.145	13.078	13.181	VV	373032	4467046	100.00%	38.395%
206	13.202	13.181	13.228	VV	369	8124	0.18%	0.070%
207	13.308	13.228	13.345	VV	891	26532	0.59%	0.228%
208	13.362	13.345	13.415	VV	505	16070	0.36%	0.138%
209	13.432	13.415	13.460	VV	343	8234	0.18%	0.071%
210	13.519	13.460	13.555	VV	399	18334	0.41%	0.158%
211	13.584	13.555	13.625	VV	465	15374	0.34%	0.132%
212	13.649	13.625	13.671	VV	338	7691	0.17%	0.066%
213	13.746	13.671	13.788	VV	499	23674	0.53%	0.203%
214	13.843	13.788	13.866	VV	1676	29259	0.66%	0.251%
215	13.895	13.866	14.052	VV	3163	57436	1.29%	0.494%
216	14.063	14.052	14.089	VV	184	3161	0.07%	0.027%
217	14.115	14.089	14.181	VV	289	13076	0.29%	0.112%
218	14.189	14.181	14.258	VV	265	10086	0.23%	0.087%
219	14.331	14.258	14.378	VV	1800	37768	0.85%	0.325%
220	14.383	14.378	14.427	VV	366	7994	0.18%	0.069%
221	14.457	14.427	14.494	VV	746	15649	0.35%	0.135%
222	14.519	14.494	14.539	VV	267	6067	0.14%	0.052%
223	14.598	14.539	14.637	VV	372	17135	0.38%	0.147%
224	14.656	14.637	14.685	VV	299	6630	0.15%	0.057%
225	14.711	14.685	14.725	VV	298	5468	0.12%	0.047%
226	14.739	14.725	14.771	VV	283	7132	0.16%	0.061%
227	14.780	14.771	14.793	VV	320	3233	0.07%	0.028%
228	14.811	14.793	14.881	VV	348	11727	0.26%	0.101%
229	14.896	14.881	14.911	VV	155	2330	0.05%	0.020%
230	14.953	14.911	14.972	VV	1114	19599	0.44%	0.168%
231	14.998	14.972	15.034	VV	3408	47360	1.06%	0.407%
232	15.044	15.034	15.071	VV	357	4562	0.10%	0.039%
233	15.082	15.071	15.093	VV	127	1067	0.02%	0.009%
234	15.113	15.093	15.150	VV	97	1520	0.03%	0.013%
235	15.176	15.150	15.188	PV	186	2020	0.05%	0.017%
236	15.194	15.188	15.208	VV	130	1427	0.03%	0.012%
237	15.228	15.208	15.238	VV	150	2331	0.05%	0.020%
238	15.257	15.238	15.275	VV	201	2500	0.06%	0.021%
239	15.281	15.275	15.294	VV	114	1054	0.02%	0.009%
240	15.312	15.294	15.325	VV	96	1366	0.03%	0.012%
241	15.376	15.325	15.439	PV	605	16167	0.36%	0.139%
242	15.444	15.439	15.452	VV	175	1196	0.03%	0.010%
243	15.518	15.452	15.559	VV	1724	28675	0.64%	0.246%
244	15.568	15.559	15.610	VV	126	2999	0.07%	0.026%
245	15.637	15.610	15.681	VV	103	3514	0.08%	0.030%
246	15.699	15.681	15.712	VV	191	2633	0.06%	0.023%

					rteres			
247	15.726	15.712	15.742	VV	148	2283	0.05%	0.020%
248	15.749	15.742	15.800	VV	149	3206	0.07%	0.028%
249	15.848	15.800	15.858	VV	213	5072	0.11%	0.044%
250	15.885	15.858	15.941	VV	229	6417	0.14%	0.055%
251	15.981	15.941	15.995	VV	917	12413	0.28%	0.107%
252	16.020	15.995	16.063	VV	3215	46264	1.04%	0.398%
253	16.082	16.063	16.141	VV	227	4648	0.10%	0.040%
254	16.166	16.141	16.174	PV	92	1044	0.02%	0.009%
255	16.194	16.174	16.215	VV	202	2748	0.06%	0.024%
256	16.234	16.215	16.269	VV	171	3592	0.08%	0.031%
257	16.278	16.269	16.286	VV	46	346	0.01%	0.003%
258	16.337	16.286	16.369	VV	206	5447	0.12%	0.047%
259	16.378	16.369	16.431	VV	153	4322	0.10%	0.037%
260	16.503	16.431	16.569	VV	2163	40352	0.90%	0.347%
261	16.588	16.569	16.628	VV	369	8290	0.19%	0.071%
262	16.705	16.628	16.745	VV	344	18468	0.41%	0.159%
263	16.751	16.745	16.839	VV	258	12037	0.27%	0.103%
264	16.859	16.839	16.894	VV	265	6824	0.15%	0.059%
265	16.937	16.894	16.947	VV	688	11802	0.26%	0.101%
266	16.970	16.947	16.998	VV	2997	42468	0.95%	0.365%
267	17.023	16.998	17.069	VV	570	12814	0.29%	0.110%
268	17.078	17.069	17.103	VV	162	2418	0.05%	0.021%
269	17.119	17.103	17.141	VV	125	2783	0.06%	0.024%
270	17.148	17.141	17.161	VV	219	1122	0.03%	0.010%
271	17.302	17.198	17.331	PV	400	10339	0.23%	0.089%
272	17.344	17.331	17.386	VV	131	2446	0.05%	0.021%
273	17.422	17.386	17.505	VV	2503	37227	0.83%	0.320%
274	17.515	17.505	17.526	VV	114	1119	0.03%	0.010%
275	17.568	17.526	17.583	VV	128	2614	0.06%	0.022%
276	17.593	17.583	17.618	PV	94	1513	0.03%	0.013%
277	17.645	17.618	17.673	VV	199	2752	0.06%	0.024%
278	17.695	17.673	17.730	VV	153	3225	0.07%	0.028%
279	17.860	17.730	17.921	VV	2741	49913	1.12%	0.429%
280	17.949	17.921	17.987	VV	367	6329	0.14%	0.054%
281	18.021	17.987	18.039	VV	186	3339	0.07%	0.029%
282	18.133	18.039	18.162	VV	163	5245	0.12%	0.045%
283	18.178	18.162	18.198	VV	147	2454	0.05%	0.021%
284	18.283	18.198	18.324	VV	2736	48140	1.08%	0.414%
285	18.388	18.324	18.449	VV	289	12318	0.28%	0.106%
286	18.476	18.449	18.488	PV	180	2634	0.06%	0.023%
287	18.551	18.488	18.570	VV	322	9677	0.22%	0.083%
288	18.596	18.570	18.618	VV	240	4694	0.11%	0.040%
289	18.633	18.618	18.646	VV	212	2684	0.06%	0.023%
290	18.693	18.646	18.764	VV	2325	46618	1.04%	0.401%
291	18.795	18.764	18.821	VV	331	7483	0.17%	0.064%
292	18.871	18.821	18.928	VV	220	11175	0.25%	0.096%
293	18.964	18.928	18.984	VV	242	5858	0.13%	0.050%
294	19.091	18.984	19.153	VV	1526	45222	1.01%	0.389%
295	19.202	19.153	19.211	VV	372	10862	0.24%	0.093%
296	19.246	19.211	19.254	VV	410	9193	0.21%	0.079%
297	19.266	19.254	19.302	VV	430	10852	0.24%	0.093%
298	19.335	19.302	19.348	VV	453	10359	0.23%	0.089%
299	19.386	19.348	19.395	VV	465	11672	0.26%	0.100%

rteres								
300	19.478	19.395	19.525	VV	2109	60211	1.35%	0.518%
301	19.535	19.525	19.548	VV	520	6807	0.15%	0.059%
302	19.585	19.548	19.608	VV	612	19406	0.43%	0.167%
303	19.723	19.608	19.742	VV	743	48832	1.09%	0.420%
304	19.765	19.742	19.803	VV	823	27082	0.61%	0.233%
305	19.854	19.803	19.879	VV	1472	45142	1.01%	0.388%
306	19.915	19.879	19.931	VV	884	26043	0.58%	0.224%
307	19.960	19.931	19.986	VV	992	31277	0.70%	0.269%
308	20.044	19.986	20.055	VV	1166	42292	0.95%	0.364%
309	20.129	20.055	20.165	VV	1908	90697	2.03%	0.780%
310	20.220	20.165	20.247	VV	2684	88107	1.97%	0.757%
311	20.267	20.247	20.295	VV	1586	43272	0.97%	0.372%
312	20.394	20.295	20.411	VV	1765	113150	2.53%	0.973%
313	20.422	20.411	20.430	VV	1686	19620	0.44%	0.169%
314	20.569	20.430	20.695	VV	5769	455876	10.21%	3.918%
315	20.706	20.695	20.728	VV	1673	33099	0.74%	0.284%
316	20.751	20.728	20.757	VV	1673	29602	0.66%	0.254%
317	20.786	20.757	20.816	VV	1939	61017	1.37%	0.524%
318	20.826	20.816	20.868	VV	1604	48292	1.08%	0.415%
319	20.878	20.868	20.886	VV	1532	15379	0.34%	0.132%
320	20.894	20.886	20.945	VV	1514	50446	1.13%	0.434%
321	20.992	20.945	21.031	VV	2113	86684	1.94%	0.745%
322	21.041	21.031	21.088	VV	1372	44964	1.01%	0.386%
323	21.117	21.088	21.128	VV	1320	29777	0.67%	0.256%
324	21.134	21.128	21.143	VV	1228	10384	0.23%	0.089%
325	21.162	21.143	21.205	VV	1181	42641	0.95%	0.367%
326	21.218	21.205	21.259	VV	1149	35808	0.80%	0.308%
327	21.276	21.259	21.335	VV	1061	45047	1.01%	0.387%
328	21.345	21.335	21.388	VV	1050	30621	0.69%	0.263%
329	21.457	21.388	21.509	VV	1041	64135	1.44%	0.551%
330	21.614	21.509	21.640	VV	811	57255	1.28%	0.492%
331	21.711	21.640	21.732	VV	705	36307	0.81%	0.312%
332	21.749	21.732	21.801	VV	585	22412	0.50%	0.193%
333	21.855	21.801	21.911	VV	536	30660	0.69%	0.264%
334	21.968	21.911	22.105	VV	924	56073	1.26%	0.482%
335	22.183	22.105	22.215	VV	225	11521	0.26%	0.099%
336	22.237	22.215	22.315	VV	193	5489	0.12%	0.047%
Sum of corrected areas:						11634525		

Aliphatic EPH 040925.M Fri Apr 11 04:55:41 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD041025AR\
 Data File : FD049272.D
 Signal(s) : FID2B.ch
 Acq On : 10 Apr 2025 16:38
 Operator : YP/AJ
 Sample : Q1744-01
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 B-158-SB01

Integration File: autoint1.e
 Quant Time: Apr 11 01:03:51 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 08 05:25:12 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.749	5408441	36.511 ug/ml
Spiked Amount 50.000		Recovery =	73.02%
6) S 2-Fluorobiphenyl (SURR)	8.614	3221957	31.587 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	63.17%
11) S ortho-Terphenyl (SURR)	11.658	7248338	41.141 ug/ml
Spiked Amount 50.000		Recovery =	82.28%

Target Compounds

(f)=RT Delta > 1/2 Window

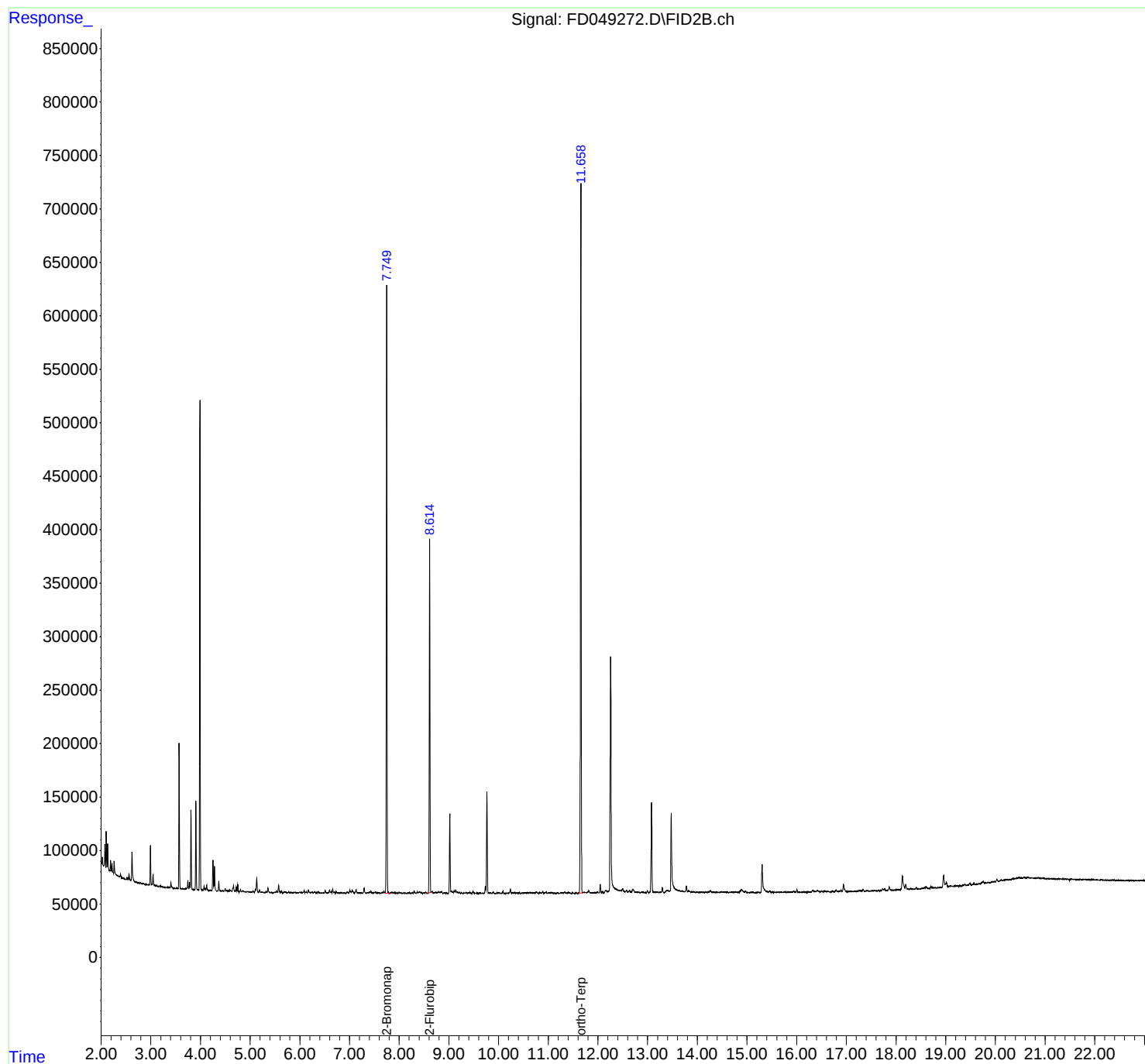
(m)=manual int.

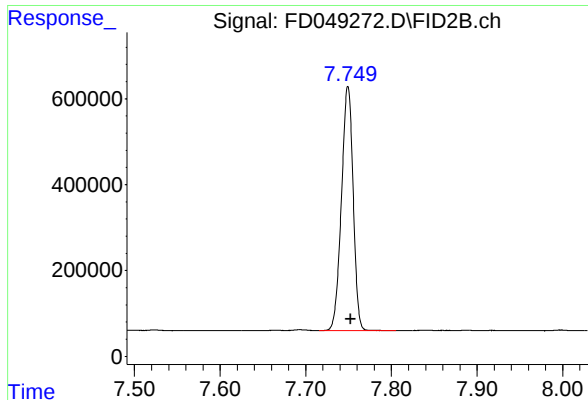
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD041025AR\
Data File : FD049272.D
Signal(s) : FID2B.ch
Acq On : 10 Apr 2025 16:38
Operator : YP/AJ
Sample : Q1744-01
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
B-158-SB01

Integration File: autoint1.e
Quant Time: Apr 11 01:03:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 05:25:12 2025
Response via : Initial Calibration
Integrator: ChemStation

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

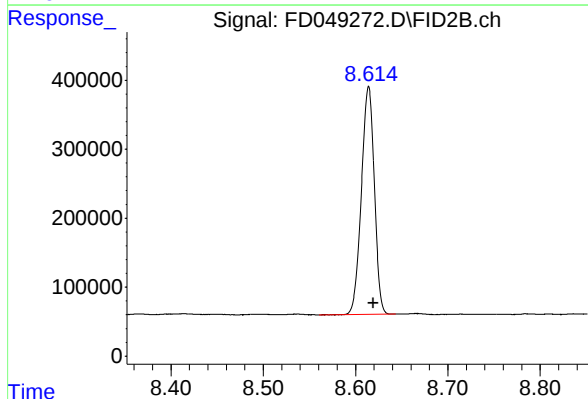




#4 2-Bromonaphthalene (SURR)

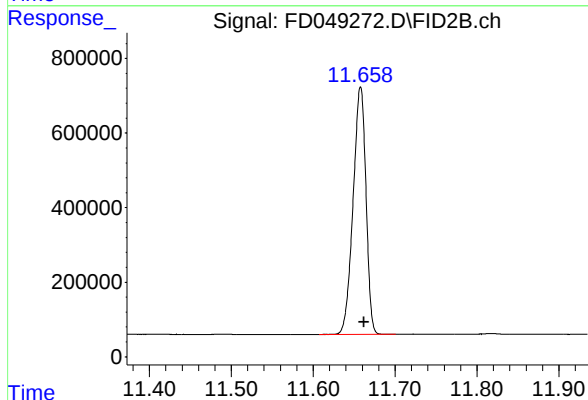
R.T.: 7.749 min
Delta R.T.: -0.003 min
Response: 5408441
Conc: 36.51 ug/ml

Instrument :
FID_D
ClientSampleId :
B-158-SB01



#6 2-Fluorobiphenyl (SURR)

R.T.: 8.614 min
Delta R.T.: -0.005 min
Response: 3221957
Conc: 31.59 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.658 min
Delta R.T.: -0.004 min
Response: 7248338
Conc: 41.14 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD041025AR\
 Data File : FD049272.D
 Signal(s) : FID2B.ch
 Acq On : 10 Apr 2025 16:38
 Sample : Q1744-01
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.M
 Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.072	4.042	4.086	BV	3967	31326	0.43%	0.084%
2	4.096	4.086	4.110	VV	1934	17505	0.24%	0.047%
3	4.125	4.110	4.144	VV	5153	47695	0.66%	0.128%
4	4.150	4.144	4.173	VV	636	5532	0.08%	0.015%
5	4.192	4.173	4.229	PV	906	12538	0.17%	0.034%
6	4.252	4.229	4.268	VV	28785	309323	4.26%	0.832%
7	4.282	4.268	4.327	VV	23072	220342	3.03%	0.593%
8	4.369	4.327	4.415	PV	9237	87313	1.20%	0.235%
9	4.451	4.415	4.467	VV	529	9636	0.13%	0.026%
10	4.471	4.467	4.477	VV	349	2034	0.03%	0.005%
11	4.498	4.477	4.520	VV	2920	32499	0.45%	0.087%
12	4.524	4.520	4.529	VV	571	2582	0.04%	0.007%
13	4.537	4.529	4.552	VV	704	7832	0.11%	0.021%
14	4.564	4.552	4.571	VV	618	4769	0.07%	0.013%
15	4.576	4.571	4.579	VV	493	2135	0.03%	0.006%
16	4.591	4.579	4.603	VV	1396	13663	0.19%	0.037%
17	4.612	4.603	4.634	VV	1115	12826	0.18%	0.034%
18	4.665	4.634	4.688	VV	5380	82006	1.13%	0.221%
19	4.722	4.688	4.736	VV	4649	49007	0.67%	0.132%
20	4.752	4.736	4.786	VV	7081	65394	0.90%	0.176%
21	4.805	4.786	4.827	PV	2215	20680	0.28%	0.056%
22	4.844	4.827	4.859	VV	1398	14575	0.20%	0.039%
23	4.869	4.859	4.902	VV	1042	11002	0.15%	0.030%
24	4.912	4.902	4.926	VV	284	2292	0.03%	0.006%
25	4.941	4.926	4.960	VV	662	7876	0.11%	0.021%
26	4.964	4.960	4.994	VV	352	3841	0.05%	0.010%
27	5.003	4.994	5.010	VV	271	1460	0.02%	0.004%
28	5.018	5.010	5.024	VV	274	1870	0.03%	0.005%
29	5.032	5.024	5.041	VV	277	1898	0.03%	0.005%
30	5.056	5.041	5.080	VV	876	10346	0.14%	0.028%
31	5.105	5.080	5.115	VV	3113	31610	0.44%	0.085%
32	5.132	5.115	5.170	VV	12963	145792	2.01%	0.392%
33	5.190	5.170	5.213	VV	2575	28140	0.39%	0.076%
34	5.218	5.213	5.235	VV	334	3455	0.05%	0.009%
35	5.249	5.235	5.281	VV	569	8089	0.11%	0.022%
36	5.322	5.298	5.344	PV	1023	12820	0.18%	0.034%

					rt	Area	Area%	Height%
37	5.359	5.344	5.399	VV	4311	46583	0.64%	0.125%
38	5.410	5.399	5.418	VV	329	2447	0.03%	0.007%
39	5.424	5.418	5.432	VV	286	1549	0.02%	0.004%
40	5.435	5.432	5.451	VV	251	1111	0.02%	0.003%
41	5.462	5.451	5.470	PV	311	1441	0.02%	0.004%
42	5.476	5.470	5.482	VV	304	1257	0.02%	0.003%
43	5.498	5.482	5.519	VV	761	8671	0.12%	0.023%
44	5.533	5.519	5.554	VV	1628	16786	0.23%	0.045%
45	5.574	5.554	5.618	VV	7049	91971	1.27%	0.247%
46	5.632	5.618	5.652	VV	1529	15856	0.22%	0.043%
47	5.672	5.652	5.677	VV	416	2789	0.04%	0.008%
48	5.698	5.677	5.709	VV	819	11245	0.15%	0.030%
49	5.715	5.709	5.749	VV	833	8900	0.12%	0.024%
50	5.776	5.749	5.798	VV	1050	11523	0.16%	0.031%
51	5.825	5.810	5.844	VV	663	7952	0.11%	0.021%
52	5.879	5.844	5.901	VV	604	11092	0.15%	0.030%
53	5.907	5.901	5.917	VV	365	2820	0.04%	0.008%
54	5.925	5.917	5.939	VV	483	3748	0.05%	0.010%
55	5.944	5.939	5.953	VV	224	1553	0.02%	0.004%
56	5.962	5.953	5.969	VV	260	1753	0.02%	0.005%
57	5.995	5.969	6.010	VV	784	10364	0.14%	0.028%
58	6.016	6.010	6.020	VV	404	2388	0.03%	0.006%
59	6.031	6.020	6.048	VV	744	7998	0.11%	0.022%
60	6.086	6.048	6.110	VV	2396	34289	0.47%	0.092%
61	6.129	6.110	6.150	VV	1238	17047	0.23%	0.046%
62	6.173	6.150	6.211	VV	2865	37559	0.52%	0.101%
63	6.230	6.211	6.245	VV	905	13408	0.18%	0.036%
64	6.251	6.245	6.273	VV	705	7097	0.10%	0.019%
65	6.306	6.273	6.341	VV	1140	23144	0.32%	0.062%
66	6.366	6.341	6.426	VV	1658	26372	0.36%	0.071%
67	6.442	6.426	6.447	VV	291	2300	0.03%	0.006%
68	6.454	6.447	6.472	VV	316	3675	0.05%	0.010%
69	6.483	6.472	6.489	VV	352	2664	0.04%	0.007%
70	6.512	6.489	6.541	VV	2766	32918	0.45%	0.089%
71	6.558	6.541	6.570	VV	387	5597	0.08%	0.015%
72	6.596	6.570	6.616	VV	2728	36243	0.50%	0.097%
73	6.632	6.616	6.644	VV	1562	17139	0.24%	0.046%
74	6.661	6.644	6.681	VV	3761	40880	0.56%	0.110%
75	6.694	6.681	6.714	VV	1233	13862	0.19%	0.037%
76	6.733	6.714	6.773	VV	1993	24758	0.34%	0.067%
77	6.784	6.773	6.807	VV	430	5013	0.07%	0.013%
78	6.822	6.807	6.827	PV	465	3704	0.05%	0.010%
79	6.833	6.827	6.869	VV	536	8731	0.12%	0.023%
80	6.878	6.869	6.889	VV	386	3482	0.05%	0.009%
81	6.894	6.889	6.897	VV	416	1361	0.02%	0.004%
82	6.901	6.897	6.924	VV	349	4034	0.06%	0.011%
83	6.953	6.932	6.985	VV	1513	22520	0.31%	0.061%
84	7.006	6.985	7.022	VV	3022	38102	0.52%	0.102%
85	7.026	7.022	7.038	VV	1675	13698	0.19%	0.037%
86	7.059	7.038	7.094	VV	2273	50974	0.70%	0.137%
87	7.133	7.094	7.162	VV	3540	55032	0.76%	0.148%
88	7.173	7.162	7.187	VV	524	6041	0.08%	0.016%
89	7.190	7.187	7.210	VV	464	5013	0.07%	0.013%

					rt	Area	Height	%Area	%Height
90	7.213	7.210	7.225	VV	408	2660	0.04%	0.007%	
91	7.243	7.225	7.267	VV	577	8730	0.12%	0.023%	
92	7.294	7.267	7.332	VV	5016	61962	0.85%	0.167%	
93	7.353	7.332	7.364	VV	998	10475	0.14%	0.028%	
94	7.374	7.364	7.384	VV	849	7869	0.11%	0.021%	
95	7.400	7.384	7.414	VV	1443	16332	0.22%	0.044%	
96	7.431	7.414	7.453	VV	1787	23010	0.32%	0.062%	
97	7.468	7.453	7.483	VV	975	11030	0.15%	0.030%	
98	7.499	7.483	7.511	VV	1132	13395	0.18%	0.036%	
99	7.524	7.511	7.545	VV	1740	17999	0.25%	0.048%	
100	7.562	7.545	7.570	VV	311	3074	0.04%	0.008%	
101	7.592	7.570	7.620	VV	437	8698	0.12%	0.023%	
102	7.664	7.620	7.678	PV	953	16643	0.23%	0.045%	
103	7.693	7.678	7.716	VV	2414	28388	0.39%	0.076%	
104	7.749	7.716	7.805	VV	570584	5418932	74.58%	14.575%	
105	7.815	7.805	7.820	VV	385	2713	0.04%	0.007%	
106	7.839	7.820	7.854	VV	983	14578	0.20%	0.039%	
107	7.860	7.854	7.875	VV	764	7927	0.11%	0.021%	
108	7.886	7.875	7.904	VV	1021	11169	0.15%	0.030%	
109	7.917	7.904	7.934	VV	752	8912	0.12%	0.024%	
110	7.939	7.934	7.942	VV	345	1276	0.02%	0.003%	
111	7.953	7.942	7.979	VV	574	6806	0.09%	0.018%	
112	7.998	7.979	8.011	VV	1479	15622	0.21%	0.042%	
113	8.017	8.011	8.043	VV	618	7954	0.11%	0.021%	
114	8.050	8.043	8.069	VV	438	3733	0.05%	0.010%	
115	8.092	8.069	8.118	VV	730	11200	0.15%	0.030%	
116	8.124	8.118	8.134	VV	346	2134	0.03%	0.006%	
117	8.141	8.134	8.145	VV	243	1241	0.02%	0.003%	
118	8.150	8.145	8.169	VV	300	2700	0.04%	0.007%	
119	8.173	8.169	8.183	VV	309	1774	0.02%	0.005%	
120	8.204	8.183	8.223	VV	683	10166	0.14%	0.027%	
121	8.232	8.223	8.240	VV	341	2585	0.04%	0.007%	
122	8.251	8.240	8.277	VV	510	6661	0.09%	0.018%	
123	8.300	8.277	8.319	VV	2404	28275	0.39%	0.076%	
124	8.332	8.319	8.347	VV	504	6021	0.08%	0.016%	
125	8.366	8.347	8.384	VV	1455	17886	0.25%	0.048%	
126	8.414	8.384	8.435	VV	1633	34250	0.47%	0.092%	
127	8.450	8.435	8.472	VV	851	12264	0.17%	0.033%	
128	8.493	8.472	8.520	PV	1030	16613	0.23%	0.045%	
129	8.538	8.520	8.560	VV	1197	14971	0.21%	0.040%	
130	8.614	8.560	8.644	VV	331126	3252403	44.76%	8.748%	
131	8.666	8.644	8.686	VV	2087	35015	0.48%	0.094%	
132	8.714	8.686	8.733	VV	1173	23943	0.33%	0.064%	
133	8.738	8.733	8.748	VV	1043	8640	0.12%	0.023%	
134	8.758	8.748	8.771	VV	1079	11993	0.17%	0.032%	
135	8.785	8.771	8.799	VV	1625	19593	0.27%	0.053%	
136	8.809	8.799	8.823	VV	1356	15348	0.21%	0.041%	
137	8.836	8.823	8.847	VV	1537	17175	0.24%	0.046%	
138	8.858	8.847	8.880	VV	1999	21486	0.30%	0.058%	
139	8.901	8.880	8.935	VV	1007	16267	0.22%	0.044%	
140	8.954	8.935	8.968	VV	974	10204	0.14%	0.027%	
141	8.975	8.968	8.980	VV	366	2001	0.03%	0.005%	

rteres								
142	9.020	8.980	9.042	VV	74825	740119	10.19%	1.991%
143	9.055	9.042	9.070	VV	2343	30279	0.42%	0.081%
144	9.075	9.070	9.091	VV	1471	14723	0.20%	0.040%
145	9.105	9.091	9.125	VV	2264	35057	0.48%	0.094%
146	9.138	9.125	9.161	VV	3297	45662	0.63%	0.123%
147	9.173	9.161	9.193	VV	1698	21160	0.29%	0.057%
148	9.208	9.193	9.232	VV	1103	15744	0.22%	0.042%
149	9.252	9.232	9.282	VV	732	12176	0.17%	0.033%
150	9.311	9.282	9.325	VV	658	10600	0.15%	0.029%
151	9.342	9.325	9.379	VV	1152	19214	0.26%	0.052%
152	9.402	9.379	9.413	VV	992	11610	0.16%	0.031%
153	9.426	9.413	9.439	VV	906	8685	0.12%	0.023%
154	9.448	9.439	9.464	VV	371	4530	0.06%	0.012%
155	9.487	9.464	9.530	VV	2020	33284	0.46%	0.090%
156	9.567	9.530	9.602	VV	514	11608	0.16%	0.031%
157	9.622	9.602	9.647	PV	901	11594	0.16%	0.031%
158	9.652	9.647	9.658	VV	209	1054	0.01%	0.003%
159	9.684	9.664	9.712	VV	457	9631	0.13%	0.026%
160	9.736	9.712	9.746	VV	6716	71419	0.98%	0.192%
161	9.767	9.746	9.799	VV	95149	980560	13.49%	2.637%
162	9.817	9.799	9.827	VV	671	8680	0.12%	0.023%
163	9.835	9.827	9.857	VV	685	7495	0.10%	0.020%
164	9.863	9.857	9.870	VV	250	1758	0.02%	0.005%
165	9.874	9.870	9.878	VV	307	1304	0.02%	0.004%
166	9.894	9.878	9.927	VV	1527	20010	0.28%	0.054%
167	9.972	9.939	9.987	VV	800	13345	0.18%	0.036%
168	9.995	9.987	10.032	VV	837	12405	0.17%	0.033%
169	10.037	10.032	10.046	VV	387	2284	0.03%	0.006%
170	10.066	10.046	10.072	VV	472	5304	0.07%	0.014%
171	10.091	10.072	10.121	VV	1962	23288	0.32%	0.063%
172	10.127	10.121	10.134	VV	211	1198	0.02%	0.003%
173	10.172	10.145	10.186	VV	408	4892	0.07%	0.013%
174	10.239	10.186	10.270	VV	4193	63438	0.87%	0.171%
175	10.288	10.270	10.304	VV	883	12274	0.17%	0.033%
176	10.325	10.304	10.345	VV	925	15057	0.21%	0.040%
177	10.357	10.345	10.365	VV	550	5848	0.08%	0.016%
178	10.369	10.365	10.389	VV	567	6363	0.09%	0.017%
179	10.394	10.389	10.403	VV	395	2748	0.04%	0.007%
180	10.421	10.403	10.435	VV	1173	14028	0.19%	0.038%
181	10.442	10.435	10.445	VV	296	1637	0.02%	0.004%
182	10.453	10.445	10.467	VV	404	3479	0.05%	0.009%
183	10.497	10.467	10.506	VV	810	11321	0.16%	0.030%
184	10.517	10.506	10.527	VV	751	7546	0.10%	0.020%
185	10.533	10.527	10.539	VV	779	4551	0.06%	0.012%
186	10.542	10.539	10.547	VV	562	2406	0.03%	0.006%
187	10.554	10.547	10.563	VV	526	3920	0.05%	0.011%
188	10.580	10.563	10.596	VV	665	8787	0.12%	0.024%
189	10.626	10.596	10.643	VV	1108	20377	0.28%	0.055%
190	10.649	10.643	10.670	VV	813	8778	0.12%	0.024%
191	10.689	10.670	10.704	VV	605	9266	0.13%	0.025%
192	10.711	10.704	10.717	VV	554	3951	0.05%	0.011%
193	10.722	10.717	10.734	VV	628	5473	0.08%	0.015%
194	10.762	10.734	10.786	VV	1626	29405	0.40%	0.079%

					rteres			
195	10.792	10.786	10.797	VV	482	2401	0.03%	0.006%
196	10.831	10.797	10.865	VV	730	20101	0.28%	0.054%
197	10.886	10.865	10.907	VV	1692	22718	0.31%	0.061%
198	10.911	10.907	10.927	VV	356	4460	0.06%	0.012%
199	10.957	10.927	10.979	VV	1309	25266	0.35%	0.068%
200	11.002	10.979	11.013	VV	540	7652	0.11%	0.021%
201	11.046	11.013	11.074	VV	894	20285	0.28%	0.055%
202	11.086	11.074	11.100	VV	772	8820	0.12%	0.024%
203	11.112	11.100	11.138	VV	476	7219	0.10%	0.019%
204	11.147	11.138	11.163	VV	286	3610	0.05%	0.010%
205	11.168	11.163	11.179	VV	333	2477	0.03%	0.007%
206	11.194	11.179	11.214	VV	344	5425	0.07%	0.015%
207	11.220	11.214	11.226	VV	308	1935	0.03%	0.005%
208	11.260	11.226	11.289	VV	889	17529	0.24%	0.047%
209	11.331	11.289	11.358	VV	1544	25458	0.35%	0.068%
210	11.379	11.358	11.393	VV	549	8070	0.11%	0.022%
211	11.412	11.393	11.436	VV	919	15291	0.21%	0.041%
212	11.442	11.436	11.457	VV	385	3075	0.04%	0.008%
213	11.462	11.457	11.469	VV	229	1363	0.02%	0.004%
214	11.492	11.473	11.518	VV	993	12567	0.17%	0.034%
215	11.523	11.518	11.548	VV	289	3255	0.04%	0.009%
216	11.554	11.548	11.561	PV	224	1161	0.02%	0.003%
217	11.570	11.561	11.586	VV	293	2527	0.03%	0.007%
218	11.596	11.586	11.602	VV	176	1256	0.02%	0.003%
219	11.658	11.602	11.701	VV	665751	7266188	100.00%	19.544%
220	11.722	11.701	11.742	VV	1158	20093	0.28%	0.054%
221	11.747	11.742	11.755	VV	914	6450	0.09%	0.017%
222	11.766	11.755	11.774	VV	864	8751	0.12%	0.024%
223	11.793	11.774	11.798	VV	1094	13310	0.18%	0.036%
224	11.818	11.798	11.852	VV	2689	43010	0.59%	0.116%
225	11.866	11.852	11.871	VV	594	5854	0.08%	0.016%
226	11.876	11.871	11.894	VV	679	7220	0.10%	0.019%
227	11.897	11.894	11.904	VV	455	2661	0.04%	0.007%
228	11.928	11.912	11.947	VV	756	10543	0.15%	0.028%
229	11.990	11.947	12.020	VV	1269	32909	0.45%	0.089%
230	12.049	12.020	12.073	VV	8220	99554	1.37%	0.268%
231	12.092	12.073	12.120	VV	1683	25967	0.36%	0.070%
232	12.163	12.120	12.188	VV	2672	71270	0.98%	0.192%
233	12.257	12.188	12.349	VV	221313	3097393	42.63%	8.331%
234	12.354	12.349	12.416	VV	4148	133830	1.84%	0.360%
235	12.422	12.416	12.460	VV	2778	65552	0.90%	0.176%
236	12.499	12.460	12.528	VV	4490	116365	1.60%	0.313%
237	12.535	12.528	12.547	VV	1585	17021	0.23%	0.046%
238	12.574	12.547	12.599	VV	2632	60028	0.83%	0.161%
239	12.634	12.599	12.660	VV	2811	63557	0.87%	0.171%
240	12.700	12.660	12.715	VV	3604	71047	0.98%	0.191%
241	12.720	12.715	12.749	VV	2925	37074	0.51%	0.100%
242	12.760	12.749	12.775	VV	1055	15524	0.21%	0.042%
243	12.781	12.775	12.823	VV	1060	23125	0.32%	0.062%
244	12.830	12.823	12.837	VV	923	6162	0.08%	0.017%
245	12.841	12.837	12.865	VV	705	10142	0.14%	0.027%
246	12.872	12.865	12.880	VV	773	6437	0.09%	0.017%

					rteres			
247	12.898	12.880	12.928	VV	1135	24173	0.33%	0.065%
248	12.934	12.928	12.973	VV	692	14392	0.20%	0.039%
249	12.996	12.973	13.030	VV	2399	36960	0.51%	0.099%
250	13.079	13.030	13.113	VV	84386	997149	13.72%	2.682%
251	13.135	13.113	13.151	VV	1014	19601	0.27%	0.053%
252	13.165	13.151	13.187	VV	968	18305	0.25%	0.049%
253	13.193	13.187	13.219	VV	916	14685	0.20%	0.039%
254	13.241	13.219	13.251	VV	926	13466	0.19%	0.036%
255	13.267	13.251	13.277	VV	892	12473	0.17%	0.034%
256	13.297	13.277	13.345	VV	4923	73583	1.01%	0.198%
257	13.393	13.345	13.435	VV	2525	103136	1.42%	0.277%
258	13.477	13.435	13.572	VV	74701	1139592	15.68%	3.065%
259	13.578	13.572	13.599	VV	3258	47095	0.65%	0.127%
260	13.602	13.599	13.635	VV	2827	51326	0.71%	0.138%
261	13.652	13.635	13.666	VV	2192	37098	0.51%	0.100%
262	13.677	13.666	13.692	VV	1950	28261	0.39%	0.076%
263	13.696	13.692	13.699	VV	1903	8104	0.11%	0.022%
264	13.702	13.699	13.722	VV	1880	21246	0.29%	0.057%
265	13.726	13.722	13.737	VV	1340	11489	0.16%	0.031%
266	13.781	13.737	13.808	VV	6483	116942	1.61%	0.315%
267	13.829	13.808	13.869	VV	2224	54988	0.76%	0.148%
268	13.892	13.869	13.909	VV	1096	23643	0.33%	0.064%
269	13.911	13.909	13.914	VV	1113	3262	0.04%	0.009%
270	13.935	13.914	13.964	VV	1236	30315	0.42%	0.082%
271	13.969	13.964	13.984	VV	813	8499	0.12%	0.023%
272	13.986	13.984	13.993	VV	775	3947	0.05%	0.011%
273	14.000	13.993	14.013	VV	767	7766	0.11%	0.021%
274	14.023	14.013	14.028	VV	783	5798	0.08%	0.016%
275	14.041	14.028	14.078	VV	940	21437	0.30%	0.058%
276	14.091	14.078	14.108	VV	760	10504	0.14%	0.028%
277	14.121	14.108	14.126	VV	760	6423	0.09%	0.017%
278	14.129	14.126	14.151	VV	703	7587	0.10%	0.020%
279	14.182	14.151	14.202	VV	853	19941	0.27%	0.054%
280	14.261	14.202	14.287	VV	2378	61981	0.85%	0.167%
281	14.291	14.287	14.299	VV	736	5235	0.07%	0.014%
282	14.310	14.299	14.345	VV	966	18602	0.26%	0.050%
283	14.350	14.345	14.376	VV	675	10154	0.14%	0.027%
284	14.386	14.376	14.409	VV	686	11777	0.16%	0.032%
285	14.417	14.409	14.447	VV	688	10474	0.14%	0.028%
286	14.472	14.447	14.483	VV	1027	16990	0.23%	0.046%
287	14.490	14.483	14.515	VV	1194	15827	0.22%	0.043%
288	14.522	14.515	14.529	VV	823	6226	0.09%	0.017%
289	14.554	14.529	14.572	VV	858	19046	0.26%	0.051%
290	14.586	14.572	14.592	VV	694	6985	0.10%	0.019%
291	14.594	14.592	14.622	VV	840	9702	0.13%	0.026%
292	14.626	14.622	14.633	VV	442	2435	0.03%	0.007%
293	14.639	14.633	14.643	VV	443	2507	0.03%	0.007%
294	14.655	14.643	14.665	VV	584	6081	0.08%	0.016%
295	14.677	14.665	14.692	VV	624	8053	0.11%	0.022%
296	14.730	14.692	14.739	VV	737	17649	0.24%	0.047%
297	14.745	14.739	14.754	VV	826	5848	0.08%	0.016%
298	14.768	14.754	14.795	VV	875	15428	0.21%	0.041%
299	14.799	14.795	14.805	VV	553	3051	0.04%	0.008%

					rteres			
300	14.814	14.805	14.840	VV	556	9706	0.13%	0.026%
301	14.863	14.840	14.872	VV	1976	23292	0.32%	0.063%
302	14.889	14.872	14.919	VV	2979	66773	0.92%	0.180%
303	14.927	14.919	14.950	VV	1631	20430	0.28%	0.055%
304	14.972	14.950	15.007	VV	1779	26930	0.37%	0.072%
305	15.018	15.007	15.044	VV	425	6461	0.09%	0.017%
306	15.048	15.044	15.055	VV	273	1646	0.02%	0.004%
307	15.075	15.055	15.085	VV	334	5061	0.07%	0.014%
308	15.102	15.085	15.122	VV	634	9788	0.13%	0.026%
309	15.127	15.122	15.150	VV	482	5509	0.08%	0.015%
310	15.154	15.150	15.161	VV	335	1614	0.02%	0.004%
311	15.167	15.161	15.180	VV	205	1675	0.02%	0.005%
312	15.206	15.180	15.221	VV	458	7584	0.10%	0.020%
313	15.234	15.221	15.249	VV	433	4400	0.06%	0.012%
314	15.252	15.249	15.267	VV	232	1351	0.02%	0.004%
315	15.303	15.267	15.431	PV	26597	499930	6.88%	1.345%
316	15.464	15.431	15.554	VV	1880	53757	0.74%	0.145%
317	15.577	15.554	15.586	PV	448	5412	0.07%	0.015%
318	15.598	15.586	15.612	VV	351	4648	0.06%	0.013%
319	15.619	15.612	15.632	VV	401	3650	0.05%	0.010%
320	15.637	15.632	15.642	VV	393	1930	0.03%	0.005%
321	15.650	15.642	15.658	VV	457	3306	0.05%	0.009%
322	15.661	15.658	15.674	VV	346	3063	0.04%	0.008%
323	15.688	15.674	15.709	VV	504	7014	0.10%	0.019%
324	15.714	15.709	15.729	VV	317	2599	0.04%	0.007%
325	15.749	15.729	15.798	VV	658	16155	0.22%	0.043%
326	15.834	15.798	15.840	VV	690	10832	0.15%	0.029%
327	15.844	15.840	15.875	VV	636	10220	0.14%	0.027%
328	15.879	15.875	15.889	VV	471	3393	0.05%	0.009%
329	15.908	15.889	15.923	VV	733	11238	0.15%	0.030%
330	15.944	15.923	15.983	VV	1203	22530	0.31%	0.061%
331	16.005	15.983	16.035	VV	2209	29574	0.41%	0.080%
332	16.047	16.035	16.052	VV	365	2054	0.03%	0.006%
333	16.057	16.052	16.065	VV	255	1289	0.02%	0.003%
334	16.110	16.065	16.116	VV	329	3124	0.04%	0.008%
335	16.138	16.116	16.152	VV	588	7249	0.10%	0.019%
336	16.167	16.152	16.192	VV	279	4263	0.06%	0.011%
337	16.197	16.192	16.212	VV	286	1914	0.03%	0.005%
338	16.240	16.223	16.265	VV	211	3024	0.04%	0.008%
339	16.281	16.265	16.289	PV	318	2569	0.04%	0.007%
340	16.319	16.289	16.362	VV	1873	47061	0.65%	0.127%
341	16.367	16.362	16.380	VV	754	7366	0.10%	0.020%
342	16.384	16.380	16.390	VV	742	3705	0.05%	0.010%
343	16.416	16.390	16.431	VV	1730	30226	0.42%	0.081%
344	16.440	16.431	16.473	VV	1200	17032	0.23%	0.046%
345	16.507	16.473	16.533	VV	924	18192	0.25%	0.049%
346	16.563	16.533	16.592	VV	1228	23882	0.33%	0.064%
347	16.622	16.592	16.643	VV	569	14583	0.20%	0.039%
348	16.647	16.643	16.653	VV	360	2026	0.03%	0.005%
349	16.662	16.653	16.688	VV	352	4695	0.06%	0.013%
350	16.695	16.688	16.707	PV	239	1543	0.02%	0.004%
351	16.731	16.707	16.762	VV	855	13592	0.19%	0.037%

					rteres			
352	16.791	16.762	16.835	VV	1551	33799	0.47%	0.091%
353	16.855	16.835	16.868	VV	830	12679	0.17%	0.034%
354	16.890	16.868	16.911	VV	1462	21759	0.30%	0.059%
355	16.941	16.911	17.021	VV	6973	126925	1.75%	0.341%
356	17.026	17.021	17.057	VV	385	4312	0.06%	0.012%
357	17.081	17.066	17.096	VV	391	4649	0.06%	0.013%
358	17.129	17.108	17.137	PV	194	1400	0.02%	0.004%
359	17.165	17.137	17.174	VV	276	4610	0.06%	0.012%
360	17.179	17.174	17.204	VV	425	3000	0.04%	0.008%
361	17.261	17.204	17.271	VV	898	17898	0.25%	0.048%
362	17.280	17.271	17.305	VV	780	12247	0.17%	0.033%
363	17.335	17.305	17.364	VV	1982	32614	0.45%	0.088%
364	17.367	17.364	17.380	VV	164	1012	0.01%	0.003%
365	17.422	17.380	17.467	VV	573	16682	0.23%	0.045%
366	17.489	17.467	17.495	PV	379	3343	0.05%	0.009%
367	17.503	17.495	17.544	VV	428	7439	0.10%	0.020%
368	17.559	17.544	17.565	VV	438	4043	0.06%	0.011%
369	17.572	17.565	17.597	VV	489	5768	0.08%	0.016%
370	17.612	17.597	17.626	PV	331	3947	0.05%	0.011%
371	17.638	17.626	17.651	VV	347	4163	0.06%	0.011%
372	17.654	17.651	17.664	VV	272	1708	0.02%	0.005%
373	17.669	17.664	17.680	VV	169	1220	0.02%	0.003%
374	17.730	17.680	17.754	PV	1903	36620	0.50%	0.098%
375	17.774	17.754	17.799	VV	1699	27147	0.37%	0.073%
376	17.824	17.809	17.835	VV	373	3269	0.04%	0.009%
377	17.863	17.835	17.884	VV	3507	47311	0.65%	0.127%
378	17.890	17.884	17.897	VV	677	4369	0.06%	0.012%
379	17.900	17.897	17.919	VV	537	3516	0.05%	0.009%
380	17.936	17.919	17.947	VV	300	2419	0.03%	0.007%
381	17.959	17.947	17.972	PV	332	2703	0.04%	0.007%
382	17.975	17.972	17.979	VV	292	1047	0.01%	0.003%
383	18.012	17.979	18.038	VV	656	13230	0.18%	0.036%
384	18.057	18.038	18.083	VV	593	10576	0.15%	0.028%
385	18.128	18.083	18.175	VV	13309	270369	3.72%	0.727%
386	18.194	18.175	18.247	VV	5175	97065	1.34%	0.261%
387	18.253	18.247	18.270	VV	588	6395	0.09%	0.017%
388	18.291	18.270	18.307	VV	1063	16679	0.23%	0.045%
389	18.312	18.307	18.331	VV	641	6276	0.09%	0.017%
390	18.340	18.331	18.351	VV	444	4289	0.06%	0.012%
391	18.357	18.351	18.376	VV	300	3822	0.05%	0.010%
392	18.405	18.376	18.426	VV	1682	24663	0.34%	0.066%
393	18.433	18.426	18.438	VV	461	2457	0.03%	0.007%
394	18.448	18.438	18.485	VV	594	8501	0.12%	0.023%
395	18.536	18.485	18.552	VV	806	18003	0.25%	0.048%
396	18.600	18.552	18.649	VV	2167	57930	0.80%	0.156%
397	18.652	18.649	18.659	VV	336	1320	0.02%	0.004%
398	18.667	18.659	18.677	VV	343	2880	0.04%	0.008%
399	18.703	18.677	18.737	VV	2348	47713	0.66%	0.128%
400	18.779	18.737	18.802	VV	730	25232	0.35%	0.068%
401	18.811	18.802	18.839	VV	721	12781	0.18%	0.034%
402	18.861	18.839	18.869	VV	605	9258	0.13%	0.025%
403	18.877	18.869	18.890	VV	565	5643	0.08%	0.015%
404	18.900	18.890	18.907	VV	458	4398	0.06%	0.012%

					rterres			
405	18.915	18.907	18.923	VV	566	4612	0.06%	0.012%
406	18.957	18.923	18.985	VV	11717	219027	3.01%	0.589%
407	19.009	18.985	19.061	VV	4689	130454	1.80%	0.351%
408	19.099	19.061	19.126	VV	1894	59319	0.82%	0.160%
409	19.132	19.126	19.150	VV	1580	19073	0.26%	0.051%
410	19.177	19.150	19.212	VV	1563	49541	0.68%	0.133%
411	19.222	19.212	19.234	VV	1272	15730	0.22%	0.042%
412	19.248	19.234	19.254	VV	1645	16401	0.23%	0.044%
413	19.260	19.254	19.267	VV	1366	8763	0.12%	0.024%
414	19.287	19.267	19.312	VV	1471	33776	0.46%	0.091%
415	19.321	19.312	19.330	VV	1334	14270	0.20%	0.038%
416	19.385	19.330	19.411	VV	2814	88693	1.22%	0.239%
417	19.428	19.411	19.433	VV	1656	20658	0.28%	0.056%
418	19.442	19.433	19.446	VV	1649	12424	0.17%	0.033%
419	19.490	19.446	19.522	VV	3264	101033	1.39%	0.272%
420	19.562	19.522	19.589	VV	2996	87906	1.21%	0.236%
421	19.608	19.589	19.612	VV	2159	28855	0.40%	0.078%
422	19.653	19.612	19.660	VV	2252	58939	0.81%	0.159%
423	19.675	19.660	19.700	VV	2503	53689	0.74%	0.144%
424	19.725	19.700	19.731	VV	3384	54421	0.75%	0.146%
425	19.754	19.731	19.780	VV	4237	103616	1.43%	0.279%
426	19.792	19.780	19.808	VV	2929	46184	0.64%	0.124%
427	19.811	19.808	19.826	VV	2812	29688	0.41%	0.080%
428	19.856	19.826	19.882	VV	3340	101646	1.40%	0.273%
429	19.937	19.882	19.958	VV	3714	148163	2.04%	0.399%
430	19.983	19.958	19.997	VV	3800	85351	1.17%	0.230%
431	20.030	19.997	20.055	VV	5820	156524	2.15%	0.421%
432	20.084	20.055	20.088	VV	4067	75579	1.04%	0.203%
433	20.115	20.088	20.150	VV	5084	166549	2.29%	0.448%
434	20.178	20.150	20.184	VV	4828	92150	1.27%	0.248%
435	20.232	20.184	20.267	VV	5126	241727	3.33%	0.650%
436	20.317	20.267	20.330	VV	5195	191463	2.63%	0.515%
437	20.353	20.330	20.383	VV	5654	171381	2.36%	0.461%
438	20.388	20.383	20.395	VV	5499	41052	0.56%	0.110%
439	20.461	20.395	20.465	VV	6392	245346	3.38%	0.660%
440	20.473	20.465	20.489	VV	6453	92566	1.27%	0.249%
441	20.493	20.489	20.508	VV	6308	68334	0.94%	0.184%
442	20.517	20.508	20.527	VV	6090	69643	0.96%	0.187%
443	20.531	20.527	20.551	VV	5966	84764	1.17%	0.228%
444	20.583	20.551	20.596	VV	6388	165246	2.27%	0.444%
445	20.601	20.596	20.613	VV	5998	61169	0.84%	0.165%
446	20.621	20.613	20.623	VV	5900	35852	0.49%	0.096%
447	20.659	20.623	20.699	VV	6380	267281	3.68%	0.719%
448	20.703	20.699	20.711	VV	5466	38414	0.53%	0.103%
449	20.728	20.711	20.744	VV	5608	109614	1.51%	0.295%
450	20.749	20.744	20.753	VV	5345	27257	0.38%	0.073%
451	20.756	20.753	20.764	VV	5307	34668	0.48%	0.093%
452	20.775	20.764	20.792	VV	5273	87145	1.20%	0.234%
453	20.797	20.792	20.810	VV	5185	55333	0.76%	0.149%
454	20.860	20.810	20.887	VV	5444	235690	3.24%	0.634%
455	20.892	20.887	20.928	VV	4858	116259	1.60%	0.313%
456	20.940	20.928	20.950	VV	4646	58919	0.81%	0.158%

					rteres			
457	20.961	20.950	21.009	VV	4660	157276	2.16%	0.423%
458	21.014	21.009	21.021	VV	4241	30107	0.41%	0.081%
459	21.026	21.021	21.047	VV	4125	64005	0.88%	0.172%
460	21.054	21.047	21.062	VV	4086	35310	0.49%	0.095%
461	21.067	21.062	21.085	VV	4041	53868	0.74%	0.145%
462	21.094	21.085	21.098	VV	3986	32686	0.45%	0.088%
463	21.112	21.098	21.117	VV	4039	44479	0.61%	0.120%
464	21.120	21.117	21.129	VV	3992	26622	0.37%	0.072%
465	21.136	21.129	21.154	VV	3929	56557	0.78%	0.152%
466	21.158	21.154	21.172	VV	3882	41592	0.57%	0.112%
467	21.183	21.172	21.219	VV	3798	100126	1.38%	0.269%
468	21.224	21.219	21.227	VV	3309	15352	0.21%	0.041%
469	21.231	21.227	21.242	VV	3364	29330	0.40%	0.079%
470	21.248	21.242	21.257	VV	3199	27635	0.38%	0.074%
471	21.282	21.257	21.301	VV	3534	88023	1.21%	0.237%
472	21.305	21.301	21.339	VV	3362	70994	0.98%	0.191%
473	21.341	21.339	21.343	VV	3016	8630	0.12%	0.023%
474	21.352	21.343	21.365	VV	3157	37919	0.52%	0.102%
475	21.370	21.365	21.377	VV	3127	22162	0.30%	0.060%
476	21.382	21.377	21.393	VV	2951	26560	0.37%	0.071%
477	21.417	21.393	21.427	VV	2908	56494	0.78%	0.152%
478	21.432	21.427	21.445	VV	2787	30852	0.42%	0.083%
479	21.448	21.445	21.485	VV	2663	59166	0.81%	0.159%
480	21.492	21.485	21.496	VV	2277	13765	0.19%	0.037%
481	21.538	21.496	21.565	VV	2490	94831	1.31%	0.255%
482	21.579	21.565	21.587	VV	2282	28403	0.39%	0.076%
483	21.592	21.587	21.620	VV	2166	40391	0.56%	0.109%
484	21.627	21.620	21.632	VV	1992	12974	0.18%	0.035%
485	21.637	21.632	21.670	VV	1941	41526	0.57%	0.112%
486	21.676	21.670	21.684	VV	1924	15123	0.21%	0.041%
487	21.706	21.684	21.715	VV	1945	33739	0.46%	0.091%
488	21.720	21.715	21.731	VV	1787	15517	0.21%	0.042%
489	21.739	21.731	21.744	VV	1749	12915	0.18%	0.035%
490	21.749	21.744	21.766	VV	1816	22017	0.30%	0.059%
491	21.778	21.766	21.786	VV	1775	20723	0.29%	0.056%
492	21.794	21.786	21.800	VV	1734	14271	0.20%	0.038%
493	21.803	21.800	21.822	VV	1704	20181	0.28%	0.054%
494	21.826	21.822	21.841	VV	1602	17544	0.24%	0.047%
495	21.858	21.841	21.892	VV	1545	39789	0.55%	0.107%
496	21.914	21.892	21.927	VV	1140	22599	0.31%	0.061%
497	21.932	21.927	21.972	VV	1205	27414	0.38%	0.074%
498	21.976	21.972	21.980	VV	926	4253	0.06%	0.011%
499	21.986	21.980	22.003	VV	1042	10974	0.15%	0.030%
500	22.018	22.003	22.029	VV	811	11223	0.15%	0.030%
501	22.034	22.029	22.039	VV	805	4360	0.06%	0.012%
502	22.048	22.039	22.065	VV	801	10519	0.14%	0.028%
503	22.071	22.065	22.082	VV	581	5212	0.07%	0.014%
504	22.087	22.082	22.090	VV	509	2603	0.04%	0.007%
505	22.095	22.090	22.111	VV	627	6008	0.08%	0.016%
506	22.142	22.111	22.188	VV	504	15791	0.22%	0.042%
Sum of corrected areas:						37178901		

Aromatic EPH 040725.M Fri Apr 11 01:38:29 2025 rteres

A
B
C
D
E
F
G
H
I
J

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041125AL\
Data File : FC068564.D
Signal(s) : FID1A.ch
Acq On : 11 Apr 2025 00:05
Operator : YP/AJ
Sample : Q1744-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
B-158-SB02

Integration File: autoint1.e
Quant Time: Apr 11 03:47:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 17:31:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.144	2927619	31.516 ug/ml
Spiked Amount	50.000	Recovery	= 63.03%

Target Compounds

(f)=RT Delta > 1/2 Window

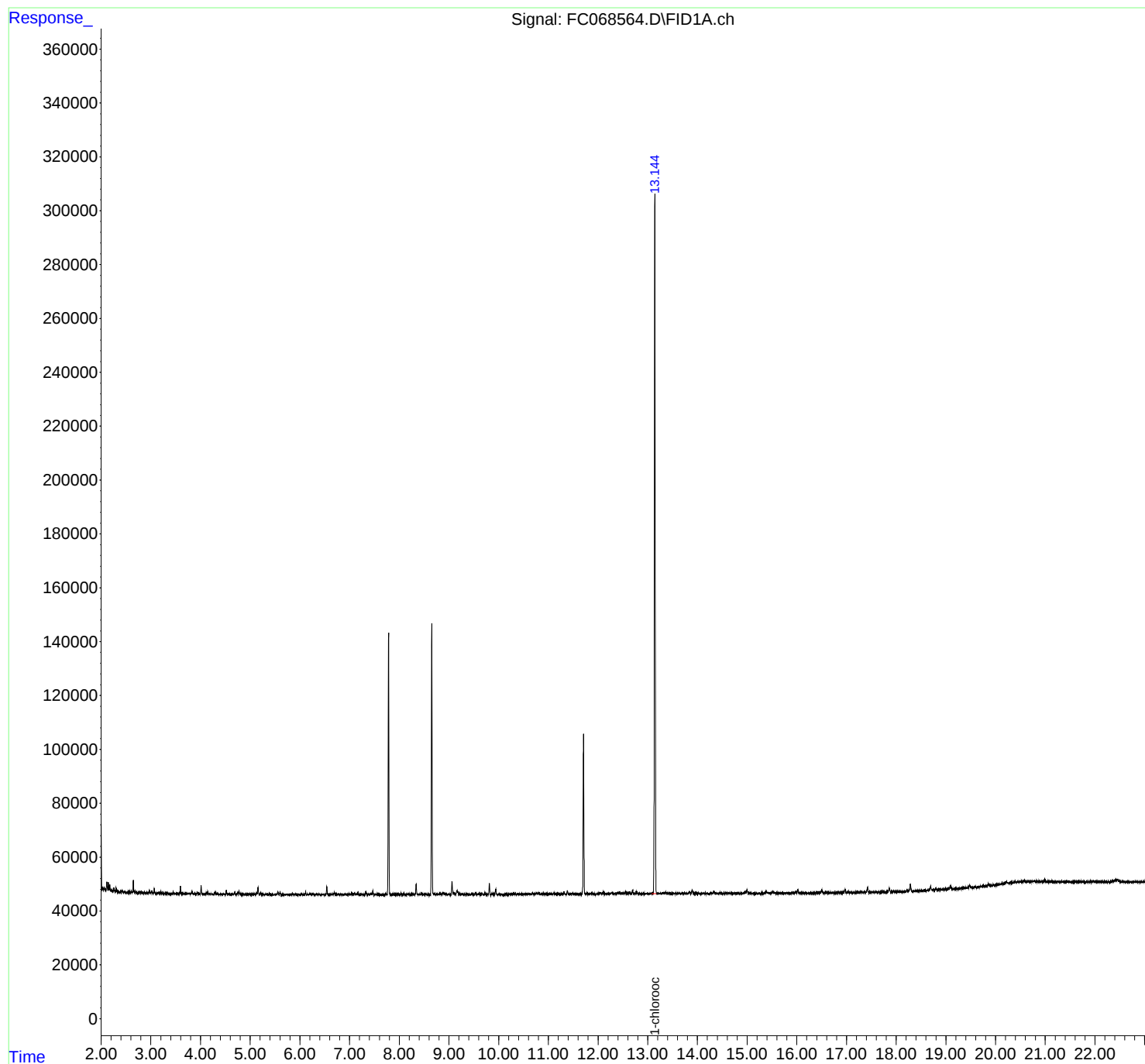
(m)=manual int.

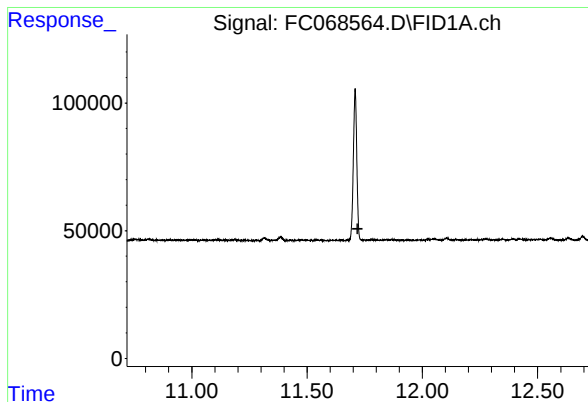
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041125AL\
Data File : FC068564.D
Signal(s) : FID1A.ch
Acq On : 11 Apr 2025 00:05
Operator : YP/AJ
Sample : Q1744-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
B-158-SB02

Integration File: autoint1.e
Quant Time: Apr 11 03:47:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 17:31:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

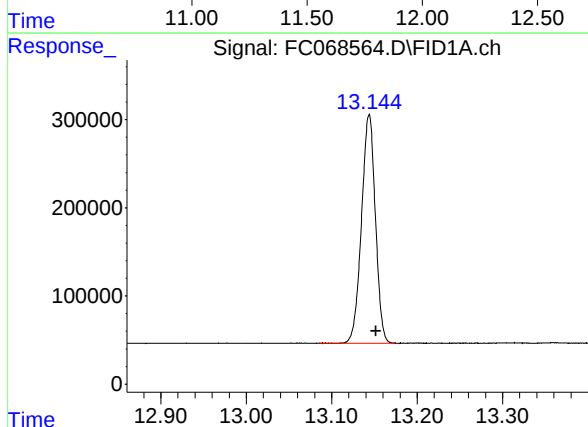




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.719 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
B-158-SB02



#12 1-chlorooctadecane (SURR)

R.T.: 13.144 min
Delta R.T.: -0.008 min
Response: 2927619
Conc: 31.52 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041125AL\
 Data File : FC068564.D
 Signal(s) : FID1A.ch
 Acq On : 11 Apr 2025 00:05
 Sample : Q1744-03
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.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	2.418	2.371	2.547	BV	743	5372	0.18%	0.056%
2	2.574	2.547	2.594	PV	351	4488	0.15%	0.047%
3	2.605	2.594	2.624	VV	261	3279	0.11%	0.034%
4	2.647	2.624	2.667	VV	4703	38597	1.31%	0.403%
5	2.684	2.667	2.732	VV	694	11239	0.38%	0.117%
6	2.748	2.732	2.759	PV	167	1462	0.05%	0.015%
7	2.779	2.759	2.797	VV	210	3312	0.11%	0.035%
8	2.813	2.797	2.863	VV	267	3842	0.13%	0.040%
9	2.878	2.863	2.934	VV	263	4775	0.16%	0.050%
10	2.969	2.934	3.000	VV	923	14066	0.48%	0.147%
11	3.018	3.000	3.051	VV	965	10651	0.36%	0.111%
12	3.069	3.051	3.092	VV	1897	17211	0.59%	0.180%
13	3.107	3.092	3.128	VV	87	1539	0.05%	0.016%
14	3.148	3.128	3.161	VV	233	2798	0.10%	0.029%
15	3.197	3.161	3.227	VV	616	7636	0.26%	0.080%
16	3.234	3.227	3.247	VV	106	796	0.03%	0.008%
17	3.261	3.247	3.318	VV	162	3032	0.10%	0.032%
18	3.328	3.318	3.341	VV	59	974	0.03%	0.010%
19	3.345	3.341	3.354	VV	109	703	0.02%	0.007%
20	3.361	3.354	3.374	VV	116	1177	0.04%	0.012%
21	3.385	3.374	3.411	VV	107	1513	0.05%	0.016%
22	3.446	3.411	3.465	PV	651	7476	0.25%	0.078%
23	3.476	3.465	3.491	VV	131	1403	0.05%	0.015%
24	3.497	3.491	3.509	VV	112	956	0.03%	0.010%
25	3.547	3.509	3.568	VV	178	3162	0.11%	0.033%
26	3.596	3.568	3.630	VV	2860	25874	0.88%	0.270%
27	3.650	3.630	3.673	VV	149	2672	0.09%	0.028%
28	3.688	3.673	3.698	VV	141	1458	0.05%	0.015%
29	3.721	3.698	3.741	VV	217	3846	0.13%	0.040%
30	3.773	3.741	3.811	VV	377	9706	0.33%	0.101%
31	3.833	3.811	3.875	VV	944	12732	0.43%	0.133%
32	3.890	3.875	3.918	VV	159	2843	0.10%	0.030%
33	3.932	3.918	3.987	VV	499	8773	0.30%	0.092%
34	4.013	3.987	4.082	PV	3125	31195	1.06%	0.326%
35	4.119	4.082	4.134	VV	509	6927	0.24%	0.072%
36	4.147	4.134	4.174	VV	1115	11038	0.38%	0.115%

					rt	Area	Area%	Height%
37	4.181	4.174	4.198	VV	140	1598	0.05%	0.017%
38	4.216	4.198	4.250	VV	297	4063	0.14%	0.042%
39	4.294	4.250	4.320	VV	694	12628	0.43%	0.132%
40	4.329	4.320	4.352	VV	214	2702	0.09%	0.028%
41	4.389	4.352	4.428	VV	136	3481	0.12%	0.036%
42	4.447	4.428	4.459	VV	142	2178	0.07%	0.023%
43	4.473	4.459	4.496	VV	128	2330	0.08%	0.024%
44	4.520	4.496	4.542	VV	1576	15560	0.53%	0.163%
45	4.552	4.542	4.561	VV	167	1729	0.06%	0.018%
46	4.567	4.561	4.591	VV	252	2033	0.07%	0.021%
47	4.633	4.591	4.652	VV	285	5294	0.18%	0.055%
48	4.689	4.652	4.714	VV	897	12314	0.42%	0.129%
49	4.745	4.714	4.759	VV	861	10065	0.34%	0.105%
50	4.775	4.759	4.800	VV	1381	13700	0.47%	0.143%
51	4.811	4.800	4.821	VV	182	1326	0.05%	0.014%
52	4.828	4.821	4.844	VV	210	1556	0.05%	0.016%
53	4.865	4.844	4.879	VV	140	2762	0.09%	0.029%
54	4.901	4.879	4.919	VV	270	3761	0.13%	0.039%
55	4.939	4.919	4.951	VV	182	2160	0.07%	0.023%
56	4.974	4.951	4.994	VV	244	3431	0.12%	0.036%
57	5.002	4.994	5.041	VV	150	2320	0.08%	0.024%
58	5.080	5.041	5.107	VV	271	4471	0.15%	0.047%
59	5.130	5.107	5.139	VV	637	6514	0.22%	0.068%
60	5.157	5.139	5.188	VV	2812	31157	1.06%	0.325%
61	5.213	5.188	5.231	VV	515	7430	0.25%	0.078%
62	5.241	5.231	5.261	VV	258	2767	0.09%	0.029%
63	5.265	5.261	5.311	VV	187	2073	0.07%	0.022%
64	5.331	5.311	5.371	PV	177	4973	0.17%	0.052%
65	5.383	5.371	5.406	VV	559	5721	0.19%	0.060%
66	5.435	5.406	5.506	VV	136	4492	0.15%	0.047%
67	5.528	5.506	5.540	VV	164	1889	0.06%	0.020%
68	5.560	5.540	5.579	VV	1085	11159	0.38%	0.117%
69	5.601	5.579	5.627	VV	1132	12310	0.42%	0.129%
70	5.657	5.627	5.698	PV	274	4177	0.14%	0.044%
71	5.704	5.698	5.711	VV	74	426	0.01%	0.004%
72	5.750	5.711	5.797	VV	208	5556	0.19%	0.058%
73	5.809	5.797	5.830	VV	106	1589	0.05%	0.017%
74	5.851	5.830	5.882	VV	293	5725	0.19%	0.060%
75	5.901	5.882	5.924	VV	173	2766	0.09%	0.029%
76	5.935	5.924	5.968	VV	146	2528	0.09%	0.026%
77	5.980	5.968	6.030	VV	127	3316	0.11%	0.035%
78	6.080	6.030	6.101	VV	207	4978	0.17%	0.052%
79	6.117	6.101	6.139	VV	888	9332	0.32%	0.097%
80	6.159	6.139	6.183	VV	242	4381	0.15%	0.046%
81	6.203	6.183	6.234	VV	572	7491	0.25%	0.078%
82	6.262	6.234	6.301	VV	434	7929	0.27%	0.083%
83	6.333	6.301	6.380	VV	301	9116	0.31%	0.095%
84	6.390	6.380	6.412	VV	200	2190	0.07%	0.023%
85	6.422	6.412	6.441	VV	96	1154	0.04%	0.012%
86	6.455	6.441	6.514	VV	138	3682	0.13%	0.038%
87	6.543	6.514	6.574	VV	3147	33216	1.13%	0.347%
88	6.628	6.574	6.646	VV	372	6194	0.21%	0.065%
89	6.662	6.646	6.674	VV	343	3782	0.13%	0.040%

					rt	Area	Height	%Area	%Height
90	6.693	6.674	6.714	VV	867	10541	0.36%	0.110%	
91	6.730	6.714	6.746	VV	353	4173	0.14%	0.044%	
92	6.766	6.746	6.804	VV	465	6709	0.23%	0.070%	
93	6.820	6.804	6.846	VV	126	2265	0.08%	0.024%	
94	6.864	6.846	6.929	VV	162	5432	0.18%	0.057%	
95	6.940	6.929	6.949	VV	142	1204	0.04%	0.013%	
96	6.954	6.949	6.967	VV	140	873	0.03%	0.009%	
97	6.988	6.967	7.009	VV	358	4907	0.17%	0.051%	
98	7.042	7.009	7.077	VV	649	13522	0.46%	0.141%	
99	7.102	7.077	7.132	VV	474	10033	0.34%	0.105%	
100	7.169	7.132	7.194	VV	861	15116	0.51%	0.158%	
101	7.202	7.194	7.223	VV	229	2623	0.09%	0.027%	
102	7.247	7.223	7.263	VV	312	4173	0.14%	0.044%	
103	7.275	7.263	7.289	VV	217	2055	0.07%	0.021%	
104	7.329	7.289	7.363	PV	1441	20135	0.68%	0.210%	
105	7.386	7.363	7.397	VV	348	4565	0.16%	0.048%	
106	7.406	7.397	7.415	VV	305	2696	0.09%	0.028%	
107	7.432	7.415	7.447	VV	451	5807	0.20%	0.061%	
108	7.468	7.447	7.491	VV	1621	18467	0.63%	0.193%	
109	7.531	7.491	7.544	VV	310	5695	0.19%	0.059%	
110	7.560	7.544	7.611	VV	424	6826	0.23%	0.071%	
111	7.615	7.611	7.621	VV	137	673	0.02%	0.007%	
112	7.636	7.621	7.666	VV	121	2586	0.09%	0.027%	
113	7.685	7.666	7.709	PV	162	2521	0.09%	0.026%	
114	7.731	7.709	7.753	VV	637	7771	0.26%	0.081%	
115	7.785	7.753	7.861	VV	96949	938963	31.92%	9.809%	
116	7.885	7.861	7.912	VV	241	5587	0.19%	0.058%	
117	7.923	7.912	7.972	VV	253	5909	0.20%	0.062%	
118	7.990	7.972	8.015	VV	255	4185	0.14%	0.044%	
119	8.035	8.015	8.068	PV	720	8707	0.30%	0.091%	
120	8.092	8.068	8.117	VV	569	6653	0.23%	0.070%	
121	8.163	8.117	8.181	VV	264	5570	0.19%	0.058%	
122	8.208	8.181	8.228	VV	204	3365	0.11%	0.035%	
123	8.245	8.228	8.285	VV	467	8552	0.29%	0.089%	
124	8.300	8.285	8.311	VV	184	2671	0.09%	0.028%	
125	8.340	8.311	8.366	VV	4090	44841	1.52%	0.468%	
126	8.374	8.366	8.411	VV	264	3747	0.13%	0.039%	
127	8.450	8.411	8.472	VV	418	10230	0.35%	0.107%	
128	8.488	8.472	8.521	VV	314	5317	0.18%	0.056%	
129	8.535	8.521	8.558	VV	225	3455	0.12%	0.036%	
130	8.574	8.558	8.604	VV	309	4339	0.15%	0.045%	
131	8.654	8.604	8.732	VV	100907	1018375	34.62%	10.639%	
132	8.757	8.732	8.776	VV	323	6895	0.23%	0.072%	
133	8.803	8.776	8.816	VV	366	7623	0.26%	0.080%	
134	8.831	8.816	8.858	VV	454	8387	0.29%	0.088%	
135	8.878	8.858	8.919	VV	815	15810	0.54%	0.165%	
136	8.932	8.919	8.976	VV	272	5928	0.20%	0.062%	
137	8.998	8.976	9.021	VV	257	4132	0.14%	0.043%	
138	9.063	9.021	9.084	VV	4962	54152	1.84%	0.566%	
139	9.098	9.084	9.134	VV	654	13030	0.44%	0.136%	
140	9.163	9.134	9.175	VV	1564	22752	0.77%	0.238%	
141	9.181	9.175	9.208	VV	1088	13116	0.45%	0.137%	

					rteres			
142	9.218	9.208	9.235	VV	363	3999	0.14%	0.042%
143	9.251	9.235	9.288	VV	308	4817	0.16%	0.050%
144	9.303	9.288	9.334	VV	253	4434	0.15%	0.046%
145	9.353	9.334	9.367	VV	213	2941	0.10%	0.031%
146	9.383	9.367	9.429	VV	269	5983	0.20%	0.063%
147	9.461	9.429	9.508	VV	338	8415	0.29%	0.088%
148	9.533	9.508	9.568	VV	668	11528	0.39%	0.120%
149	9.584	9.568	9.597	VV	257	3083	0.10%	0.032%
150	9.611	9.597	9.648	VV	203	4213	0.14%	0.044%
151	9.668	9.648	9.701	VV	379	6888	0.23%	0.072%
152	9.722	9.701	9.754	VV	675	7965	0.27%	0.083%
153	9.783	9.754	9.793	PV	283	3624	0.12%	0.038%
154	9.814	9.793	9.843	VV	4201	42538	1.45%	0.444%
155	9.862	9.843	9.910	VV	376	6460	0.22%	0.067%
156	9.941	9.910	9.992	VV	2068	26172	0.89%	0.273%
157	10.011	9.992	10.022	VV	209	2594	0.09%	0.027%
158	10.034	10.022	10.058	VV	176	2835	0.10%	0.030%
159	10.074	10.058	10.101	VV	122	1633	0.06%	0.017%
160	10.106	10.101	10.123	VV	132	1074	0.04%	0.011%
161	10.139	10.123	10.196	VV	295	4971	0.17%	0.052%
162	10.221	10.196	10.239	VV	203	2595	0.09%	0.027%
163	10.271	10.239	10.299	VV	235	5772	0.20%	0.060%
164	10.333	10.299	10.354	VV	483	8931	0.30%	0.093%
165	10.376	10.354	10.392	VV	293	4727	0.16%	0.049%
166	10.414	10.392	10.450	VV	230	5590	0.19%	0.058%
167	10.472	10.450	10.519	VV	305	6565	0.22%	0.069%
168	10.542	10.519	10.559	VV	243	4115	0.14%	0.043%
169	10.581	10.559	10.596	VV	254	4714	0.16%	0.049%
170	10.615	10.596	10.628	VV	293	4454	0.15%	0.047%
171	10.632	10.628	10.651	VV	327	3258	0.11%	0.034%
172	10.681	10.651	10.728	VV	738	14476	0.49%	0.151%
173	10.761	10.728	10.788	VV	528	13219	0.45%	0.138%
174	10.813	10.788	10.851	VV	564	12196	0.41%	0.127%
175	10.906	10.851	10.921	VV	258	8571	0.29%	0.090%
176	10.939	10.921	10.961	VV	284	4686	0.16%	0.049%
177	11.012	10.961	11.041	VV	248	8599	0.29%	0.090%
178	11.055	11.041	11.086	VV	218	5122	0.17%	0.054%
179	11.110	11.086	11.163	VV	336	9890	0.34%	0.103%
180	11.188	11.163	11.221	VV	390	6975	0.24%	0.073%
181	11.231	11.221	11.264	VV	145	2566	0.09%	0.027%
182	11.278	11.264	11.291	VV	181	1819	0.06%	0.019%
183	11.315	11.291	11.341	VV	1021	12667	0.43%	0.132%
184	11.385	11.341	11.418	VV	1473	19112	0.65%	0.200%
185	11.431	11.418	11.442	VV	136	1703	0.06%	0.018%
186	11.476	11.442	11.511	VV	306	6740	0.23%	0.070%
187	11.546	11.511	11.584	PV	239	4916	0.17%	0.051%
188	11.607	11.584	11.624	VV	173	1825	0.06%	0.019%
189	11.638	11.624	11.664	VV	124	1975	0.07%	0.021%
190	11.709	11.664	11.761	VV	58950	622091	21.15%	6.499%
191	11.778	11.761	11.821	VV	417	8424	0.29%	0.088%
192	11.841	11.821	11.852	VV	297	4129	0.14%	0.043%
193	11.872	11.852	11.921	VV	353	8102	0.28%	0.085%
194	11.988	11.921	12.008	VV	247	7252	0.25%	0.076%

					rteres			
195	12.053	12.008	12.084	VV	603	16091	0.55%	0.168%
196	12.107	12.084	12.129	VV	1011	13477	0.46%	0.141%
197	12.149	12.129	12.174	VV	349	6863	0.23%	0.072%
198	12.209	12.174	12.235	VV	290	8062	0.27%	0.084%
199	12.276	12.235	12.318	VV	542	15227	0.52%	0.159%
200	12.349	12.318	12.373	VV	449	10504	0.36%	0.110%
201	12.392	12.373	12.405	VV	592	7425	0.25%	0.078%
202	12.423	12.405	12.458	VV	590	11996	0.41%	0.125%
203	12.508	12.458	12.529	VV	431	13960	0.47%	0.146%
204	12.558	12.529	12.596	VV	897	17039	0.58%	0.178%
205	12.634	12.596	12.670	VV	926	16424	0.56%	0.172%
206	12.695	12.670	12.721	VV	1544	20425	0.69%	0.213%
207	12.780	12.721	12.802	VV	735	18677	0.63%	0.195%
208	12.815	12.802	12.935	VV	281	14626	0.50%	0.153%
209	12.967	12.935	13.004	VV	254	7492	0.25%	0.078%
210	13.017	13.004	13.032	VV	226	2802	0.10%	0.029%
211	13.062	13.032	13.078	VV	305	5833	0.20%	0.061%
212	13.144	13.078	13.188	VV	260592	2941663	100.00%	30.730%
213	13.200	13.188	13.213	VV	322	4287	0.15%	0.045%
214	13.257	13.213	13.281	VV	324	10645	0.36%	0.111%
215	13.308	13.281	13.337	VV	531	12745	0.43%	0.133%
216	13.360	13.337	13.418	VV	683	17589	0.60%	0.184%
217	13.427	13.418	13.445	VV	251	3621	0.12%	0.038%
218	13.453	13.445	13.488	VV	201	5025	0.17%	0.052%
219	13.505	13.488	13.561	VV	309	10399	0.35%	0.109%
220	13.584	13.561	13.631	VV	358	10358	0.35%	0.108%
221	13.714	13.631	13.731	VV	300	12977	0.44%	0.136%
222	13.745	13.731	13.789	VV	348	8035	0.27%	0.084%
223	13.807	13.789	13.819	VV	236	3729	0.13%	0.039%
224	13.843	13.819	13.871	VV	949	13871	0.47%	0.145%
225	13.895	13.871	13.944	VV	1396	20180	0.69%	0.211%
226	13.949	13.944	13.988	VV	205	3569	0.12%	0.037%
227	13.996	13.988	14.038	VV	144	3744	0.13%	0.039%
228	14.044	14.038	14.064	VV	107	1346	0.05%	0.014%
229	14.136	14.064	14.174	VV	209	7692	0.26%	0.080%
230	14.187	14.174	14.211	VV	154	2110	0.07%	0.022%
231	14.230	14.211	14.246	VV	160	2292	0.08%	0.024%
232	14.256	14.246	14.268	VV	122	1403	0.05%	0.015%
233	14.276	14.268	14.298	VV	133	2372	0.08%	0.025%
234	14.331	14.298	14.399	VV	973	20915	0.71%	0.218%
235	14.411	14.399	14.435	VV	209	3838	0.13%	0.040%
236	14.458	14.435	14.538	VV	465	13486	0.46%	0.141%
237	14.585	14.538	14.638	VV	296	12419	0.42%	0.130%
238	14.644	14.638	14.691	VV	208	5541	0.19%	0.058%
239	14.723	14.691	14.741	VV	209	4240	0.14%	0.044%
240	14.780	14.741	14.878	VV	201	12751	0.43%	0.133%
241	14.953	14.878	14.974	VV	717	15521	0.53%	0.162%
242	14.997	14.974	15.027	VV	1334	21471	0.73%	0.224%
243	15.043	15.027	15.101	VV	415	7479	0.25%	0.078%
244	15.106	15.101	15.133	VV	137	1141	0.04%	0.012%
245	15.142	15.133	15.158	VV	74	526	0.02%	0.005%
246	15.176	15.158	15.183	PV	109	987	0.03%	0.010%

					rteres			
247	15.200	15.183	15.226	VV	127	2039	0.07%	0.021%
248	15.293	15.226	15.328	VV	120	4376	0.15%	0.046%
249	15.375	15.328	15.468	VV	806	23706	0.81%	0.248%
250	15.519	15.468	15.558	VV	779	17031	0.58%	0.178%
251	15.578	15.558	15.648	VV	167	5569	0.19%	0.058%
252	15.748	15.648	15.766	VV	174	6629	0.23%	0.069%
253	15.772	15.766	15.778	VV	119	758	0.03%	0.008%
254	15.786	15.778	15.838	VV	135	4055	0.14%	0.042%
255	15.856	15.838	15.924	VV	153	6303	0.21%	0.066%
256	15.981	15.924	15.996	VV	579	8760	0.30%	0.092%
257	16.020	15.996	16.056	VV	1391	19539	0.66%	0.204%
258	16.081	16.056	16.114	VV	230	4371	0.15%	0.046%
259	16.131	16.114	16.151	VV	102	1297	0.04%	0.014%
260	16.182	16.151	16.260	VV	113	4042	0.14%	0.042%
261	16.272	16.260	16.278	PV	61	599	0.02%	0.006%
262	16.284	16.278	16.311	VV	134	1174	0.04%	0.012%
263	16.318	16.311	16.344	VV	117	1607	0.05%	0.017%
264	16.392	16.344	16.438	VV	154	4467	0.15%	0.047%
265	16.504	16.438	16.558	VV	1252	22276	0.76%	0.233%
266	16.584	16.558	16.652	VV	192	5983	0.20%	0.062%
267	16.673	16.652	16.685	VV	150	2353	0.08%	0.025%
268	16.730	16.685	16.760	VV	202	5248	0.18%	0.055%
269	16.812	16.760	16.841	VV	144	4687	0.16%	0.049%
270	16.871	16.841	16.901	VV	257	4891	0.17%	0.051%
271	16.936	16.901	16.947	VV	406	5757	0.20%	0.060%
272	16.970	16.947	16.997	VV	1333	18440	0.63%	0.193%
273	17.021	16.997	17.101	VV	345	8198	0.28%	0.086%
274	17.126	17.101	17.138	PV	101	1722	0.06%	0.018%
275	17.148	17.138	17.218	PB	73	1872	0.06%	0.020%
276	17.266	17.218	17.280	BV	156	3441	0.12%	0.036%
277	17.302	17.280	17.338	VV	325	6201	0.21%	0.065%
278	17.356	17.338	17.364	VV	131	1603	0.05%	0.017%
279	17.422	17.364	17.465	VV	1988	33284	1.13%	0.348%
280	17.473	17.465	17.482	VV	129	866	0.03%	0.009%
281	17.507	17.482	17.532	VV	135	2875	0.10%	0.030%
282	17.552	17.532	17.588	VV	90	2151	0.07%	0.022%
283	17.601	17.588	17.611	VV	80	981	0.03%	0.010%
284	17.645	17.611	17.666	VV	185	3428	0.12%	0.036%
285	17.693	17.666	17.723	VV	163	3191	0.11%	0.033%
286	17.745	17.723	17.775	PV	157	3114	0.11%	0.033%
287	17.860	17.775	17.923	VV	1450	30540	1.04%	0.319%
288	17.952	17.923	17.981	VV	416	7659	0.26%	0.080%
289	17.987	17.981	18.004	VV	118	1301	0.04%	0.014%
290	18.019	18.004	18.025	VV	171	1252	0.04%	0.013%
291	18.042	18.025	18.052	VV	129	1631	0.06%	0.017%
292	18.095	18.052	18.107	VV	119	2466	0.08%	0.026%
293	18.219	18.107	18.255	PV	519	17880	0.61%	0.187%
294	18.284	18.255	18.326	VV	2619	38733	1.32%	0.405%
295	18.339	18.326	18.354	VV	62	913	0.03%	0.010%
296	18.386	18.354	18.411	VV	178	4495	0.15%	0.047%
297	18.422	18.411	18.458	VV	146	2491	0.08%	0.026%
298	18.505	18.458	18.513	PV	128	3030	0.10%	0.032%
299	18.541	18.513	18.601	VV	181	5654	0.19%	0.059%

					rterres			
300	18.693	18.601	18.758	VV	1298	29320	1.00%	0.306%
301	18.799	18.758	18.838	VV	527	11204	0.38%	0.117%
302	18.864	18.838	18.893	VV	272	5190	0.18%	0.054%
303	18.950	18.893	18.965	VV	198	4678	0.16%	0.049%
304	18.985	18.965	19.013	VV	293	5342	0.18%	0.056%
305	19.042	19.013	19.054	VV	383	6662	0.23%	0.070%
306	19.058	19.054	19.063	VV	374	1885	0.06%	0.020%
307	19.093	19.063	19.147	VV	1501	30988	1.05%	0.324%
308	19.201	19.147	19.221	VV	332	10184	0.35%	0.106%
309	19.237	19.221	19.251	VV	319	4640	0.16%	0.048%
310	19.296	19.251	19.322	VV	315	11892	0.40%	0.124%
311	19.350	19.322	19.358	VV	411	6954	0.24%	0.073%
312	19.395	19.358	19.429	VV	415	15055	0.51%	0.157%
313	19.478	19.429	19.508	VV	1245	31538	1.07%	0.329%
314	19.593	19.508	19.605	VV	557	26048	0.89%	0.272%
315	19.671	19.605	19.681	VV	643	23108	0.79%	0.241%
316	19.853	19.681	19.888	VV	1314	92435	3.14%	0.966%
317	19.894	19.888	19.934	VV	865	22479	0.76%	0.235%
318	20.044	19.934	20.053	VV	1108	66930	2.28%	0.699%
319	20.131	20.053	20.158	VV	1378	73061	2.48%	0.763%
320	20.217	20.158	20.248	VV	2024	80829	2.75%	0.844%
321	20.277	20.248	20.298	VV	1450	42649	1.45%	0.446%
322	20.395	20.298	20.432	VV	1762	127367	4.33%	1.331%
323	20.446	20.432	20.464	VV	1708	31711	1.08%	0.331%
324	20.584	20.464	20.651	VV	1967	191079	6.50%	1.996%
325	20.662	20.651	20.671	VV	1609	18655	0.63%	0.195%
326	20.682	20.671	20.720	VV	1594	46953	1.60%	0.491%
327	20.729	20.720	20.748	VV	1610	25723	0.87%	0.269%
328	20.780	20.748	20.824	VV	1709	74170	2.52%	0.775%
329	20.833	20.824	20.944	VV	1544	100411	3.41%	1.049%
330	20.993	20.944	21.094	VV	1639	121912	4.14%	1.274%
331	21.102	21.094	21.194	VV	1271	68700	2.34%	0.718%
332	21.348	21.194	21.361	VV	1031	100822	3.43%	1.053%
333	21.369	21.361	21.410	VV	969	26515	0.90%	0.277%
334	21.451	21.410	21.570	VV	968	79058	2.69%	0.826%
335	21.608	21.570	21.651	VV	699	31802	1.08%	0.332%
336	21.717	21.651	21.804	VV	648	52467	1.78%	0.548%
337	21.826	21.804	21.864	VV	532	16141	0.55%	0.169%
338	21.974	21.864	22.174	VV	566	66424	2.26%	0.694%
339	22.257	22.174	22.318	VV	91	8094	0.28%	0.085%
Sum of corrected areas:							9572493	

Aliphatic EPH 040925.M Fri Apr 11 04:56:12 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD041025AR\
 Data File : FD049273.D
 Signal(s) : FID2B.ch
 Acq On : 10 Apr 2025 17:15
 Operator : YP/AJ
 Sample : Q1744-03
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 B-158-SB02

Integration File: autoint1.e
 Quant Time: Apr 11 01:04:06 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 08 05:25:12 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.749	5186623	35.013 ug/ml
Spiked Amount 50.000		Recovery =	70.03%
6) S 2-Fluorobiphenyl (SURR)	8.615	3081793	30.213 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	60.43%
11) S ortho-Terphenyl (SURR)	11.657	5112481	29.018 ug/ml
Spiked Amount 50.000		Recovery =	58.04%

Target Compounds

(f)=RT Delta > 1/2 Window

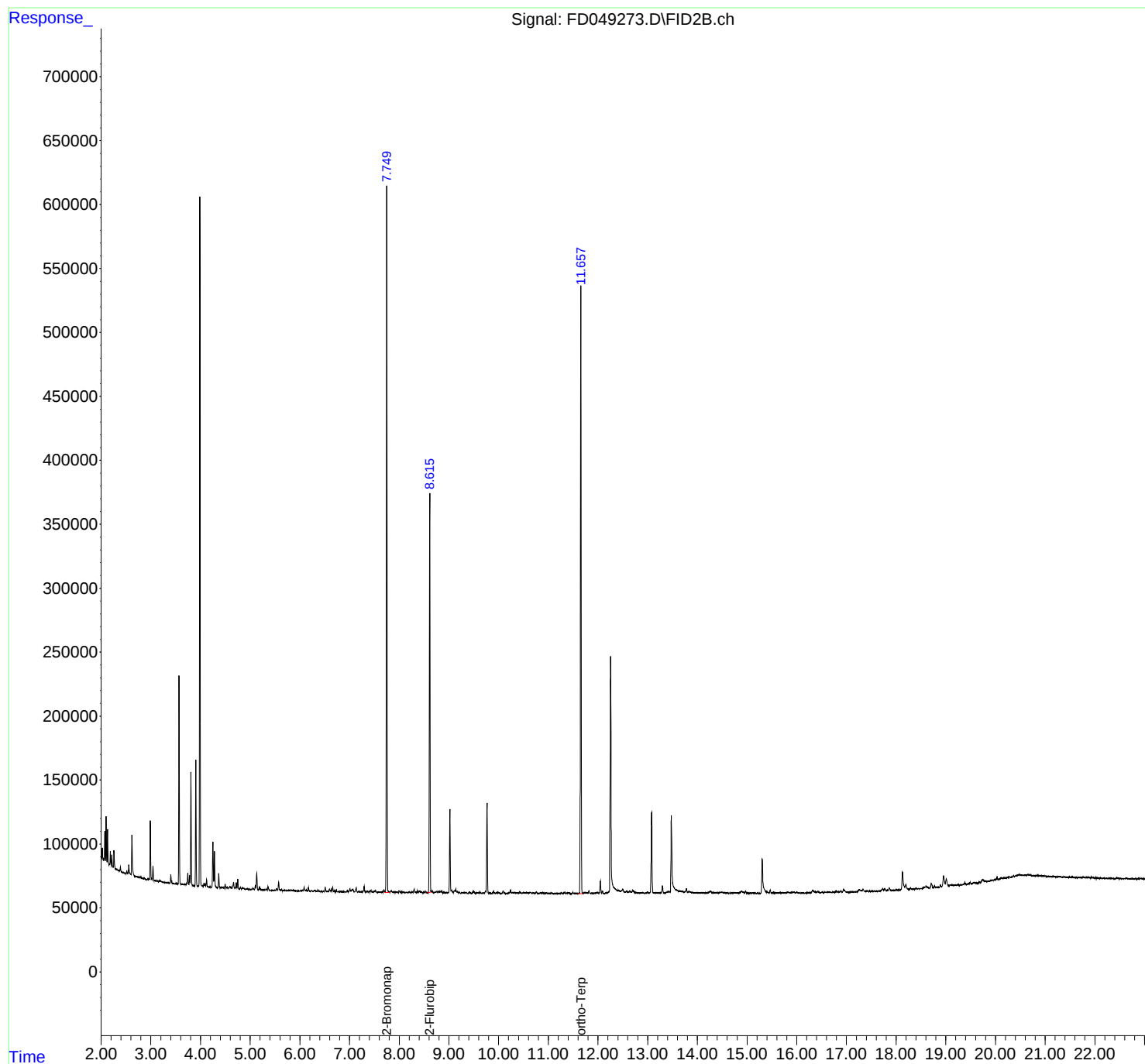
(m)=manual int.

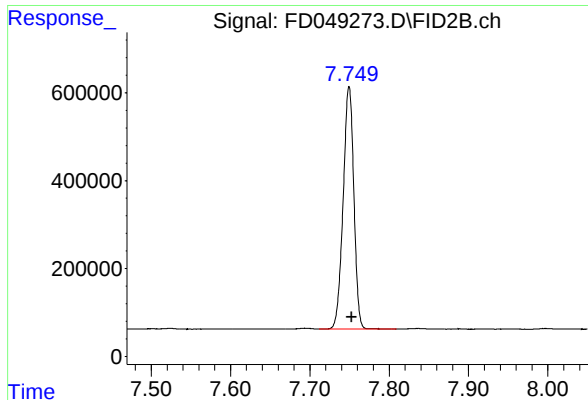
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD041025AR\
Data File : FD049273.D
Signal(s) : FID2B.ch
Acq On : 10 Apr 2025 17:15
Operator : YP/AJ
Sample : Q1744-03
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
B-158-SB02

Integration File: autoint1.e
Quant Time: Apr 11 01:04:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 05:25:12 2025
Response via : Initial Calibration
Integrator: ChemStation

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

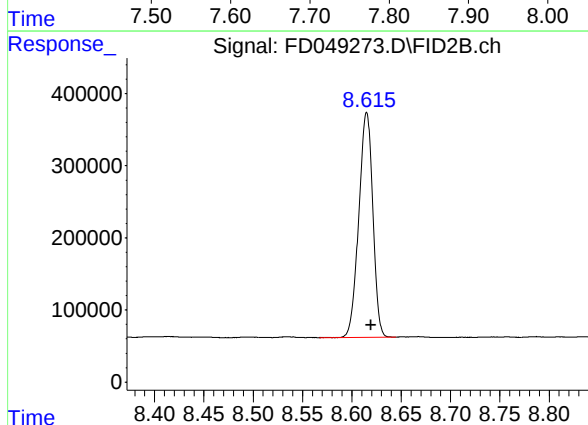




#4 2-Bromonaphthalene (SURR)

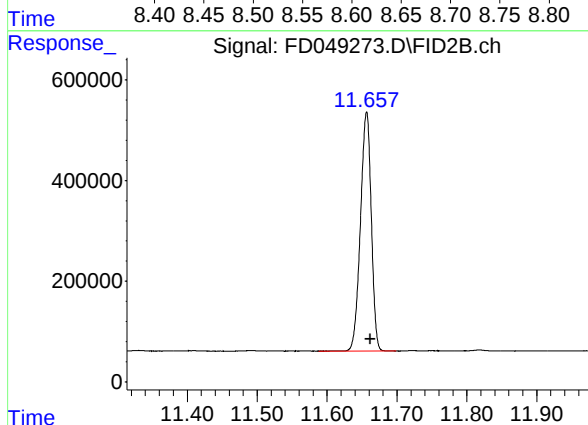
R.T.: 7.749 min
Delta R.T.: -0.003 min
Response: 5186623
Conc: 35.01 ug/ml

Instrument :
FID_D
ClientSampleId :
B-158-SB02



#6 2-Fluorobiphenyl (SURR)

R.T.: 8.615 min
Delta R.T.: -0.004 min
Response: 3081793
Conc: 30.21 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.657 min
Delta R.T.: -0.005 min
Response: 5112481
Conc: 29.02 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD041025AR\
 Data File : FD049273.D
 Signal(s) : FID2B.ch
 Acq On : 10 Apr 2025 17:15
 Sample : Q1744-03
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.M
 Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.071	4.042	4.083	BV	2835	21686	0.42%	0.064%
2	4.094	4.083	4.108	VV	1986	17948	0.35%	0.053%
3	4.123	4.108	4.145	VV	5932	53329	1.03%	0.158%
4	4.149	4.145	4.179	VV	426	2526	0.05%	0.007%
5	4.192	4.179	4.208	PV	479	4589	0.09%	0.014%
6	4.250	4.222	4.267	VV	35626	378055	7.28%	1.123%
7	4.281	4.267	4.340	VV	28409	267950	5.16%	0.796%
8	4.368	4.350	4.385	PV	11227	93559	1.80%	0.278%
9	4.390	4.385	4.424	VV	862	9977	0.19%	0.030%
10	4.429	4.424	4.436	VV	305	1440	0.03%	0.004%
11	4.444	4.436	4.449	VV	304	1903	0.04%	0.006%
12	4.455	4.449	4.477	VV	392	3572	0.07%	0.011%
13	4.496	4.477	4.517	PV	3354	32634	0.63%	0.097%
14	4.545	4.517	4.552	VV	824	11017	0.21%	0.033%
15	4.559	4.552	4.565	VV	607	3545	0.07%	0.011%
16	4.589	4.565	4.601	VV	1366	18419	0.35%	0.055%
17	4.608	4.601	4.634	VV	1078	12404	0.24%	0.037%
18	4.665	4.634	4.689	VV	5081	68881	1.33%	0.205%
19	4.699	4.689	4.703	VV	782	4849	0.09%	0.014%
20	4.720	4.703	4.735	VV	4870	48208	0.93%	0.143%
21	4.750	4.735	4.782	VV	7703	71931	1.38%	0.214%
22	4.804	4.782	4.825	VV	1649	16711	0.32%	0.050%
23	4.841	4.825	4.859	VV	1244	15382	0.30%	0.046%
24	4.867	4.859	4.907	VV	762	11171	0.22%	0.033%
25	4.916	4.907	4.923	VV	369	2673	0.05%	0.008%
26	4.938	4.923	4.962	VV	906	12128	0.23%	0.036%
27	4.965	4.962	4.975	VV	364	1661	0.03%	0.005%
28	4.992	4.975	4.997	PV	284	2396	0.05%	0.007%
29	5.008	5.004	5.021	VV	252	1952	0.04%	0.006%
30	5.033	5.021	5.043	VV	563	5314	0.10%	0.016%
31	5.056	5.043	5.078	VV	1074	13484	0.26%	0.040%
32	5.105	5.078	5.115	VV	3388	36109	0.70%	0.107%
33	5.132	5.115	5.167	VV	12915	145215	2.79%	0.431%
34	5.189	5.167	5.204	VV	2514	27662	0.53%	0.082%
35	5.217	5.204	5.237	VV	579	8187	0.16%	0.024%
36	5.244	5.237	5.258	VV	412	3517	0.07%	0.010%

					rt	Area	Height	%Area	%Height
37	5.261	5.258	5.278	VV	311	1776	0.03%	0.005%	
38	5.295	5.278	5.302	PV	253	1682	0.03%	0.005%	
39	5.321	5.302	5.342	VV	971	13228	0.25%	0.039%	
40	5.359	5.342	5.402	VV	2905	32765	0.63%	0.097%	
41	5.409	5.402	5.421	VV	210	1630	0.03%	0.005%	
42	5.430	5.421	5.437	VV	278	1522	0.03%	0.005%	
43	5.464	5.437	5.487	PV	290	4725	0.09%	0.014%	
44	5.501	5.487	5.513	VV	625	5511	0.11%	0.016%	
45	5.533	5.513	5.551	VV	1637	17684	0.34%	0.053%	
46	5.573	5.551	5.611	VV	6703	80543	1.55%	0.239%	
47	5.631	5.611	5.653	VV	1248	15451	0.30%	0.046%	
48	5.661	5.653	5.666	VV	392	1900	0.04%	0.006%	
49	5.693	5.677	5.707	PV	530	5655	0.11%	0.017%	
50	5.715	5.707	5.748	VV	578	8133	0.16%	0.024%	
51	5.778	5.748	5.802	VV	710	11267	0.22%	0.033%	
52	5.826	5.802	5.847	VV	1033	13553	0.26%	0.040%	
53	5.873	5.857	5.886	VV	557	5690	0.11%	0.017%	
54	5.890	5.886	5.932	VV	287	5475	0.11%	0.016%	
55	5.939	5.932	5.961	PV	208	2606	0.05%	0.008%	
56	5.968	5.961	5.983	VV	453	2769	0.05%	0.008%	
57	5.993	5.983	6.018	VV	333	4244	0.08%	0.013%	
58	6.026	6.018	6.050	VV	518	7077	0.14%	0.021%	
59	6.063	6.050	6.067	VV	608	4720	0.09%	0.014%	
60	6.086	6.067	6.105	VV	3033	35062	0.67%	0.104%	
61	6.126	6.105	6.157	VV	1182	20364	0.39%	0.060%	
62	6.171	6.157	6.208	VV	2970	32215	0.62%	0.096%	
63	6.228	6.208	6.273	VV	698	15596	0.30%	0.046%	
64	6.304	6.273	6.322	VV	1006	18410	0.35%	0.055%	
65	6.342	6.322	6.350	VV	382	4694	0.09%	0.014%	
66	6.364	6.350	6.395	VV	1196	16730	0.32%	0.050%	
67	6.401	6.395	6.422	VV	451	3180	0.06%	0.009%	
68	6.431	6.422	6.468	PV	260	4573	0.09%	0.014%	
69	6.479	6.468	6.493	VV	289	2459	0.05%	0.007%	
70	6.512	6.493	6.548	VV	3336	36460	0.70%	0.108%	
71	6.559	6.548	6.567	PV	253	1537	0.03%	0.005%	
72	6.595	6.567	6.616	VV	2225	29407	0.57%	0.087%	
73	6.630	6.616	6.644	VV	1634	16470	0.32%	0.049%	
74	6.661	6.644	6.680	VV	3795	38154	0.73%	0.113%	
75	6.694	6.680	6.712	VV	1112	11322	0.22%	0.034%	
76	6.734	6.712	6.749	VV	2001	18574	0.36%	0.055%	
77	6.766	6.749	6.781	VV	456	3944	0.08%	0.012%	
78	6.786	6.781	6.802	VV	295	2952	0.06%	0.009%	
79	6.814	6.802	6.818	PV	270	1469	0.03%	0.004%	
80	6.828	6.818	6.873	VV	453	6967	0.13%	0.021%	
81	6.881	6.873	6.902	VV	412	4681	0.09%	0.014%	
82	6.909	6.902	6.933	VV	382	3127	0.06%	0.009%	
83	6.953	6.933	6.982	VV	1453	17972	0.35%	0.053%	
84	7.007	6.982	7.038	VV	2777	46355	0.89%	0.138%	
85	7.054	7.038	7.101	VV	2372	50616	0.97%	0.150%	
86	7.134	7.101	7.171	VV	3505	51411	0.99%	0.153%	
87	7.186	7.171	7.208	VV	570	7993	0.15%	0.024%	
88	7.212	7.208	7.215	VV	352	1405	0.03%	0.004%	
89	7.219	7.215	7.227	VV	368	2094	0.04%	0.006%	

					rterres			
90	7.242	7.227	7.257	VV	489	5543	0.11%	0.016%
91	7.294	7.257	7.330	VV	4600	60163	1.16%	0.179%
92	7.353	7.330	7.385	VV	1090	21383	0.41%	0.063%
93	7.400	7.385	7.413	VV	1308	12644	0.24%	0.038%
94	7.431	7.413	7.456	VV	1876	20688	0.40%	0.061%
95	7.465	7.456	7.482	VV	658	6051	0.12%	0.018%
96	7.502	7.482	7.512	VV	895	10792	0.21%	0.032%
97	7.524	7.512	7.558	VV	1666	17559	0.34%	0.052%
98	7.568	7.558	7.575	VV	203	1227	0.02%	0.004%
99	7.591	7.575	7.624	VV	398	8238	0.16%	0.024%
100	7.633	7.624	7.640	VV	403	2856	0.05%	0.008%
101	7.666	7.640	7.678	VV	754	10348	0.20%	0.031%
102	7.694	7.678	7.712	VV	2206	24628	0.47%	0.073%
103	7.749	7.712	7.808	VV	553680	5195556	100.00%	15.428%
104	7.836	7.808	7.878	VV	1722	31016	0.60%	0.092%
105	7.889	7.878	7.905	VV	855	7641	0.15%	0.023%
106	7.919	7.905	7.934	VV	623	6572	0.13%	0.020%
107	7.949	7.934	7.980	VV	565	7630	0.15%	0.023%
108	7.997	7.980	8.016	VV	1733	19513	0.38%	0.058%
109	8.026	8.016	8.046	VV	603	7408	0.14%	0.022%
110	8.051	8.046	8.073	VV	423	5172	0.10%	0.015%
111	8.089	8.073	8.116	VV	671	9983	0.19%	0.030%
112	8.124	8.116	8.135	VV	381	3241	0.06%	0.010%
113	8.142	8.135	8.148	VV	285	1876	0.04%	0.006%
114	8.154	8.148	8.161	VV	481	2621	0.05%	0.008%
115	8.194	8.161	8.225	VV	780	16847	0.32%	0.050%
116	8.232	8.225	8.246	VV	511	4878	0.09%	0.014%
117	8.256	8.246	8.270	VV	714	7980	0.15%	0.024%
118	8.301	8.270	8.324	VV	3061	40447	0.78%	0.120%
119	8.331	8.324	8.348	VV	531	6633	0.13%	0.020%
120	8.365	8.348	8.380	VV	1511	17412	0.34%	0.052%
121	8.394	8.380	8.405	VV	1247	14650	0.28%	0.044%
122	8.413	8.405	8.438	VV	1512	21865	0.42%	0.065%
123	8.445	8.438	8.476	VV	933	11321	0.22%	0.034%
124	8.494	8.476	8.520	PV	896	12534	0.24%	0.037%
125	8.536	8.520	8.566	VV	1339	15294	0.29%	0.045%
126	8.574	8.566	8.581	VV	386	2017	0.04%	0.006%
127	8.615	8.581	8.645	VV	312862	3102560	59.72%	9.213%
128	8.651	8.645	8.655	VV	1202	6851	0.13%	0.020%
129	8.667	8.655	8.694	VV	1496	19625	0.38%	0.058%
130	8.711	8.694	8.717	VV	717	7273	0.14%	0.022%
131	8.720	8.717	8.724	VV	615	2342	0.05%	0.007%
132	8.743	8.724	8.751	VV	1065	14390	0.28%	0.043%
133	8.757	8.751	8.771	VV	1162	10886	0.21%	0.032%
134	8.787	8.771	8.802	VV	1491	19342	0.37%	0.057%
135	8.809	8.802	8.820	VV	1243	11471	0.22%	0.034%
136	8.835	8.820	8.845	VV	1501	17728	0.34%	0.053%
137	8.860	8.845	8.879	VV	1474	18364	0.35%	0.055%
138	8.904	8.879	8.917	VV	815	10949	0.21%	0.033%
139	8.925	8.917	8.939	VV	462	4711	0.09%	0.014%
140	8.953	8.939	8.973	VV	704	9094	0.18%	0.027%
141	9.020	8.973	9.042	VV	65656	654286	12.59%	1.943%

					rteres			
142	9.054	9.042	9.089	VV	2621	41563	0.80%	0.123%
143	9.107	9.089	9.124	VV	1988	31627	0.61%	0.094%
144	9.140	9.124	9.165	VV	3024	44386	0.85%	0.132%
145	9.175	9.165	9.191	VV	1208	12490	0.24%	0.037%
146	9.208	9.191	9.238	VV	948	12038	0.23%	0.036%
147	9.260	9.238	9.274	VV	619	9173	0.18%	0.027%
148	9.278	9.274	9.288	VV	320	1855	0.04%	0.006%
149	9.307	9.288	9.326	VV	639	9437	0.18%	0.028%
150	9.343	9.326	9.386	VV	953	11990	0.23%	0.036%
151	9.407	9.386	9.460	VV	987	18786	0.36%	0.056%
152	9.490	9.470	9.532	VV	1585	30609	0.59%	0.091%
153	9.542	9.532	9.550	VV	275	1872	0.04%	0.006%
154	9.575	9.550	9.606	VV	508	11419	0.22%	0.034%
155	9.621	9.606	9.665	VV	1009	14233	0.27%	0.042%
156	9.678	9.673	9.687	VV	383	1969	0.04%	0.006%
157	9.699	9.687	9.707	VV	502	4071	0.08%	0.012%
158	9.712	9.707	9.716	VV	360	1356	0.03%	0.004%
159	9.738	9.716	9.745	VV	1994	21504	0.41%	0.064%
160	9.768	9.745	9.798	VV	70658	710715	13.68%	2.110%
161	9.820	9.798	9.827	VV	506	6005	0.12%	0.018%
162	9.835	9.827	9.870	VV	490	6898	0.13%	0.020%
163	9.895	9.870	9.934	VV	1834	26084	0.50%	0.077%
164	9.968	9.943	9.991	VV	863	15409	0.30%	0.046%
165	10.003	9.991	10.028	VV	630	9022	0.17%	0.027%
166	10.066	10.028	10.074	VV	559	7392	0.14%	0.022%
167	10.091	10.074	10.111	VV	2090	24541	0.47%	0.073%
168	10.115	10.111	10.143	VV	348	3969	0.08%	0.012%
169	10.153	10.143	10.159	VV	229	1442	0.03%	0.004%
170	10.173	10.159	10.195	VV	446	6159	0.12%	0.018%
171	10.198	10.195	10.208	VV	402	2845	0.05%	0.008%
172	10.240	10.208	10.273	VV	3023	48247	0.93%	0.143%
173	10.291	10.273	10.311	VV	1023	16691	0.32%	0.050%
174	10.328	10.311	10.348	VV	1109	17882	0.34%	0.053%
175	10.362	10.348	10.387	VV	798	15216	0.29%	0.045%
176	10.389	10.387	10.399	VV	519	3540	0.07%	0.011%
177	10.420	10.399	10.470	VV	1246	29294	0.56%	0.087%
178	10.492	10.470	10.506	VV	906	15666	0.30%	0.047%
179	10.512	10.506	10.548	VV	873	18368	0.35%	0.055%
180	10.569	10.548	10.596	VV	1091	24568	0.47%	0.073%
181	10.629	10.596	10.643	VV	1355	27112	0.52%	0.081%
182	10.649	10.643	10.666	VV	990	10431	0.20%	0.031%
183	10.686	10.666	10.700	VV	858	11945	0.23%	0.035%
184	10.704	10.700	10.713	VV	577	4112	0.08%	0.012%
185	10.724	10.713	10.735	VV	569	6507	0.13%	0.019%
186	10.763	10.735	10.782	VV	1471	24488	0.47%	0.073%
187	10.791	10.782	10.807	VV	520	5514	0.11%	0.016%
188	10.852	10.807	10.868	VV	914	20780	0.40%	0.062%
189	10.888	10.868	10.913	VV	1220	19370	0.37%	0.058%
190	10.918	10.913	10.929	VV	707	5588	0.11%	0.017%
191	10.934	10.929	10.938	VV	590	2599	0.05%	0.008%
192	10.960	10.938	10.988	VV	923	18923	0.36%	0.056%
193	11.005	10.988	11.018	VV	680	9076	0.17%	0.027%
194	11.029	11.018	11.035	VV	607	4797	0.09%	0.014%

					rteres			
195	11.058	11.035	11.071	VV	764	13252	0.26%	0.039%
196	11.084	11.071	11.103	VV	748	9074	0.17%	0.027%
197	11.142	11.113	11.157	VV	479	8038	0.15%	0.024%
198	11.164	11.157	11.183	VV	432	5580	0.11%	0.017%
199	11.222	11.183	11.238	VV	513	11988	0.23%	0.036%
200	11.262	11.238	11.284	VV	785	15626	0.30%	0.046%
201	11.304	11.284	11.311	VV	683	9102	0.18%	0.027%
202	11.331	11.311	11.357	VV	1554	22061	0.42%	0.066%
203	11.359	11.357	11.363	VV	374	1243	0.02%	0.004%
204	11.386	11.363	11.393	VV	772	10460	0.20%	0.031%
205	11.410	11.393	11.443	VV	985	17773	0.34%	0.053%
206	11.446	11.443	11.465	VV	337	2547	0.05%	0.008%
207	11.493	11.465	11.513	VV	1173	18509	0.36%	0.055%
208	11.524	11.513	11.540	VV	539	7041	0.14%	0.021%
209	11.562	11.540	11.584	VV	503	9593	0.18%	0.028%
210	11.611	11.584	11.618	VV	587	7173	0.14%	0.021%
211	11.657	11.618	11.703	VV	476214	5124853	98.64%	15.218%
212	11.722	11.703	11.739	VV	1176	16962	0.33%	0.050%
213	11.750	11.739	11.788	VV	1036	23991	0.46%	0.071%
214	11.797	11.788	11.801	VV	883	6261	0.12%	0.019%
215	11.818	11.801	11.860	VV	2496	38926	0.75%	0.116%
216	11.863	11.860	11.908	VV	592	12876	0.25%	0.038%
217	11.928	11.908	11.951	VV	774	15870	0.31%	0.047%
218	11.988	11.951	12.015	VV	1245	32647	0.63%	0.097%
219	12.049	12.015	12.073	VV	9788	120213	2.31%	0.357%
220	12.090	12.073	12.113	VV	2243	27710	0.53%	0.082%
221	12.134	12.113	12.139	VV	521	5407	0.10%	0.016%
222	12.254	12.139	12.396	VV	185508	2661939	51.23%	7.904%
223	12.410	12.396	12.427	VV	2897	47294	0.91%	0.140%
224	12.429	12.427	12.454	VV	2444	35417	0.68%	0.105%
225	12.499	12.454	12.542	VV	3724	121753	2.34%	0.362%
226	12.547	12.542	12.558	VV	1426	13549	0.26%	0.040%
227	12.576	12.558	12.605	VV	2304	47876	0.92%	0.142%
228	12.635	12.605	12.675	VV	2400	66515	1.28%	0.198%
229	12.699	12.675	12.712	VV	2673	44673	0.86%	0.133%
230	12.720	12.712	12.761	VV	2470	42635	0.82%	0.127%
231	12.765	12.761	12.770	VV	971	4896	0.09%	0.015%
232	12.786	12.770	12.798	VV	964	13677	0.26%	0.041%
233	12.804	12.798	12.819	VV	758	8632	0.17%	0.026%
234	12.823	12.819	12.829	VV	697	3798	0.07%	0.011%
235	12.847	12.829	12.865	VV	658	12514	0.24%	0.037%
236	12.910	12.865	12.943	VV	1069	33230	0.64%	0.099%
237	12.966	12.943	12.975	VV	668	10562	0.20%	0.031%
238	12.995	12.975	13.019	VV	1540	23425	0.45%	0.070%
239	13.032	13.019	13.038	VV	649	5904	0.11%	0.018%
240	13.080	13.038	13.112	VV	63876	745143	14.34%	2.213%
241	13.125	13.112	13.145	VV	881	14629	0.28%	0.043%
242	13.150	13.145	13.157	VV	721	4314	0.08%	0.013%
243	13.167	13.157	13.172	VV	731	6074	0.12%	0.018%
244	13.178	13.172	13.183	VV	733	4268	0.08%	0.013%
245	13.195	13.183	13.204	VV	734	7871	0.15%	0.023%
246	13.210	13.204	13.218	VV	556	4102	0.08%	0.012%

					rteres			
247	13.244	13.218	13.259	VV	892	15342	0.30%	0.046%
248	13.297	13.259	13.332	VV	6138	88572	1.70%	0.263%
249	13.335	13.332	13.346	VV	617	4312	0.08%	0.013%
250	13.367	13.346	13.375	VV	1009	12993	0.25%	0.039%
251	13.416	13.375	13.440	VV	1690	54931	1.06%	0.163%
252	13.476	13.440	13.635	VV	61145	1032236	19.87%	3.065%
253	13.645	13.635	13.675	VV	2063	44527	0.86%	0.132%
254	13.691	13.675	13.719	VV	1988	45808	0.88%	0.136%
255	13.737	13.719	13.743	VV	1539	21778	0.42%	0.065%
256	13.745	13.743	13.753	VV	1514	7695	0.15%	0.023%
257	13.779	13.753	13.813	VV	3927	74471	1.43%	0.221%
258	13.827	13.813	13.846	VV	1875	30285	0.58%	0.090%
259	13.854	13.846	13.874	VV	1282	18711	0.36%	0.056%
260	13.883	13.874	13.890	VV	982	9122	0.18%	0.027%
261	13.900	13.890	13.932	VV	991	20626	0.40%	0.061%
262	13.950	13.932	13.957	VV	807	10802	0.21%	0.032%
263	13.959	13.957	13.982	VV	799	9459	0.18%	0.028%
264	13.990	13.982	14.012	VV	731	10698	0.21%	0.032%
265	14.033	14.012	14.044	VV	654	10613	0.20%	0.032%
266	14.051	14.044	14.076	VV	722	11770	0.23%	0.035%
267	14.090	14.076	14.122	VV	789	15838	0.30%	0.047%
268	14.125	14.122	14.137	VV	651	5265	0.10%	0.016%
269	14.138	14.137	14.175	VV	651	12158	0.23%	0.036%
270	14.194	14.175	14.205	VV	638	10291	0.20%	0.031%
271	14.262	14.205	14.299	VV	1915	62710	1.21%	0.186%
272	14.304	14.299	14.346	VV	889	20392	0.39%	0.061%
273	14.351	14.346	14.362	VV	750	6484	0.12%	0.019%
274	14.368	14.362	14.373	VV	697	4294	0.08%	0.013%
275	14.392	14.373	14.410	VV	922	15329	0.30%	0.046%
276	14.419	14.410	14.448	VV	706	13824	0.27%	0.041%
277	14.467	14.448	14.475	VV	1062	13878	0.27%	0.041%
278	14.492	14.475	14.538	VV	1229	32575	0.63%	0.097%
279	14.553	14.538	14.559	VV	867	8918	0.17%	0.026%
280	14.563	14.559	14.588	VV	732	9825	0.19%	0.029%
281	14.597	14.588	14.622	VV	628	10161	0.20%	0.030%
282	14.630	14.622	14.640	VV	362	3439	0.07%	0.010%
283	14.647	14.640	14.663	VV	368	4207	0.08%	0.012%
284	14.673	14.663	14.696	VV	496	8190	0.16%	0.024%
285	14.701	14.696	14.710	VV	590	3811	0.07%	0.011%
286	14.726	14.710	14.752	VV	799	10961	0.21%	0.033%
287	14.770	14.752	14.780	VV	727	9072	0.17%	0.027%
288	14.809	14.780	14.835	VV	501	13378	0.26%	0.040%
289	14.889	14.835	14.918	VV	1825	53305	1.03%	0.158%
290	14.928	14.918	14.945	VV	1292	14753	0.28%	0.044%
291	14.973	14.945	15.013	VV	1952	29433	0.57%	0.087%
292	15.020	15.013	15.037	PV	239	1788	0.03%	0.005%
293	15.052	15.037	15.060	VV	237	2305	0.04%	0.007%
294	15.066	15.060	15.075	VV	236	1231	0.02%	0.004%
295	15.096	15.075	15.100	VV	432	3707	0.07%	0.011%
296	15.121	15.100	15.142	VV	537	9311	0.18%	0.028%
297	15.145	15.142	15.162	VV	326	2463	0.05%	0.007%
298	15.165	15.162	15.180	VV	311	2515	0.05%	0.007%
299	15.193	15.180	15.213	VV	293	4470	0.09%	0.013%

					rteres			
300	15.219	15.213	15.268	VV	366	6775	0.13%	0.020%
301	15.304	15.268	15.400	VV	26918	481711	9.27%	1.430%
302	15.403	15.400	15.423	VV	1109	12302	0.24%	0.037%
303	15.427	15.423	15.431	VV	741	3281	0.06%	0.010%
304	15.434	15.431	15.439	VV	687	2823	0.05%	0.008%
305	15.465	15.439	15.496	VV	2581	38165	0.73%	0.113%
306	15.499	15.496	15.503	VV	339	1410	0.03%	0.004%
307	15.510	15.503	15.521	VV	343	3128	0.06%	0.009%
308	15.534	15.521	15.555	VV	486	6479	0.12%	0.019%
309	15.577	15.555	15.593	VV	573	9192	0.18%	0.027%
310	15.600	15.593	15.625	VV	494	5719	0.11%	0.017%
311	15.646	15.625	15.670	VV	429	8960	0.17%	0.027%
312	15.683	15.670	15.694	VV	423	5897	0.11%	0.018%
313	15.701	15.694	15.720	VV	575	6735	0.13%	0.020%
314	15.726	15.720	15.740	VV	445	4861	0.09%	0.014%
315	15.758	15.740	15.789	VV	626	12891	0.25%	0.038%
316	15.827	15.789	15.840	VV	775	17885	0.34%	0.053%
317	15.844	15.840	15.870	VV	656	10218	0.20%	0.030%
318	15.875	15.870	15.890	VV	625	6167	0.12%	0.018%
319	15.911	15.890	15.925	VV	1151	16426	0.32%	0.049%
320	15.943	15.925	15.985	VV	1013	20739	0.40%	0.062%
321	16.005	15.985	16.026	VV	1148	15570	0.30%	0.046%
322	16.033	16.026	16.044	VV	417	2995	0.06%	0.009%
323	16.054	16.044	16.058	VV	264	1646	0.03%	0.005%
324	16.062	16.058	16.080	VV	307	1525	0.03%	0.005%
325	16.089	16.080	16.103	VV	226	2208	0.04%	0.007%
326	16.112	16.103	16.117	VV	290	1325	0.03%	0.004%
327	16.126	16.117	16.150	VV	291	3812	0.07%	0.011%
328	16.169	16.150	16.177	PV	307	2652	0.05%	0.008%
329	16.183	16.177	16.196	VV	337	2300	0.04%	0.007%
330	16.215	16.196	16.219	VV	337	3308	0.06%	0.010%
331	16.238	16.219	16.268	VV	442	9312	0.18%	0.028%
332	16.318	16.268	16.395	VV	2511	84788	1.63%	0.252%
333	16.415	16.395	16.432	VV	1178	20483	0.39%	0.061%
334	16.437	16.432	16.442	VV	920	4927	0.09%	0.015%
335	16.444	16.442	16.462	VV	1008	6508	0.13%	0.019%
336	16.476	16.462	16.487	VV	351	3269	0.06%	0.010%
337	16.506	16.487	16.542	VV	687	10923	0.21%	0.032%
338	16.570	16.542	16.580	VV	636	7667	0.15%	0.023%
339	16.588	16.580	16.608	VV	498	6305	0.12%	0.019%
340	16.626	16.608	16.644	VV	593	10117	0.19%	0.030%
341	16.647	16.644	16.655	VV	559	2965	0.06%	0.009%
342	16.663	16.655	16.689	VV	423	6741	0.13%	0.020%
343	16.697	16.689	16.700	VV	281	1458	0.03%	0.004%
344	16.727	16.700	16.732	VV	722	7811	0.15%	0.023%
345	16.735	16.732	16.759	VV	740	7367	0.14%	0.022%
346	16.788	16.759	16.810	VV	1279	23035	0.44%	0.068%
347	16.826	16.810	16.838	VV	682	10400	0.20%	0.031%
348	16.850	16.838	16.870	VV	930	12258	0.24%	0.036%
349	16.889	16.870	16.917	VV	1216	20792	0.40%	0.062%
350	16.941	16.917	16.957	VV	2616	38267	0.74%	0.114%
351	16.965	16.957	16.988	VV	1533	19931	0.38%	0.059%

					rteres			
352	16.994	16.988	17.001	VV	645	3244	0.06%	0.010%
353	17.008	17.001	17.023	VV	409	3510	0.07%	0.010%
354	17.034	17.023	17.070	VV	289	3163	0.06%	0.009%
355	17.084	17.070	17.097	PV	275	3216	0.06%	0.010%
356	17.102	17.097	17.110	VV	246	1592	0.03%	0.005%
357	17.124	17.110	17.150	VV	481	7831	0.15%	0.023%
358	17.160	17.150	17.167	VV	510	3975	0.08%	0.012%
359	17.177	17.167	17.196	VV	628	7089	0.14%	0.021%
360	17.257	17.196	17.307	VV	2079	72316	1.39%	0.215%
361	17.333	17.307	17.370	VV	2326	47821	0.92%	0.142%
362	17.375	17.370	17.386	VV	586	4264	0.08%	0.013%
363	17.426	17.386	17.458	VV	1011	28467	0.55%	0.085%
364	17.462	17.458	17.479	VV	786	7115	0.14%	0.021%
365	17.484	17.479	17.488	VV	591	3082	0.06%	0.009%
366	17.492	17.488	17.510	VV	669	7240	0.14%	0.021%
367	17.523	17.510	17.545	VV	652	10126	0.19%	0.030%
368	17.565	17.545	17.579	VV	763	11627	0.22%	0.035%
369	17.605	17.579	17.614	VV	645	10687	0.21%	0.032%
370	17.618	17.614	17.624	VV	594	2776	0.05%	0.008%
371	17.631	17.624	17.637	PV	746	3204	0.06%	0.010%
372	17.662	17.637	17.672	VV	605	11060	0.21%	0.033%
373	17.728	17.672	17.753	VV	2405	57600	1.11%	0.171%
374	17.774	17.753	17.818	VV	2234	46686	0.90%	0.139%
375	17.825	17.818	17.835	VV	628	6025	0.12%	0.018%
376	17.861	17.835	17.893	VV	2583	48183	0.93%	0.143%
377	17.912	17.893	17.945	VV	549	12957	0.25%	0.038%
378	17.956	17.945	17.973	VV	419	4869	0.09%	0.014%
379	18.007	17.973	18.030	VV	868	16459	0.32%	0.049%
380	18.060	18.030	18.080	VV	589	12445	0.24%	0.037%
381	18.127	18.080	18.177	VV	14433	280105	5.39%	0.832%
382	18.194	18.177	18.244	VV	4301	89373	1.72%	0.265%
383	18.252	18.244	18.257	VV	743	5699	0.11%	0.017%
384	18.294	18.257	18.333	VV	1162	32883	0.63%	0.098%
385	18.335	18.333	18.364	VV	596	8370	0.16%	0.025%
386	18.370	18.364	18.382	VV	503	4792	0.09%	0.014%
387	18.403	18.382	18.428	VV	1256	18760	0.36%	0.056%
388	18.452	18.428	18.459	VV	692	10164	0.20%	0.030%
389	18.466	18.459	18.478	VV	544	5100	0.10%	0.015%
390	18.490	18.478	18.495	VV	492	4573	0.09%	0.014%
391	18.500	18.495	18.507	VV	605	3460	0.07%	0.010%
392	18.602	18.507	18.623	VV	2462	81017	1.56%	0.241%
393	18.634	18.623	18.674	VV	1597	30949	0.60%	0.092%
394	18.707	18.674	18.748	VV	4153	87211	1.68%	0.259%
395	18.772	18.748	18.793	VV	1629	31894	0.61%	0.095%
396	18.805	18.793	18.810	VV	1070	9878	0.19%	0.029%
397	18.814	18.810	18.822	VV	985	6479	0.12%	0.019%
398	18.827	18.822	18.832	VV	794	4356	0.08%	0.013%
399	18.836	18.832	18.845	VV	758	5331	0.10%	0.016%
400	18.848	18.845	18.870	VV	729	8427	0.16%	0.025%
401	18.893	18.870	18.915	VV	2399	40455	0.78%	0.120%
402	18.954	18.915	18.987	VV	9370	207946	4.00%	0.617%
403	19.010	18.987	19.067	VV	6929	174748	3.36%	0.519%
404	19.098	19.067	19.128	VV	2036	66057	1.27%	0.196%

					rteres			
405	19.137	19.128	19.173	VV	1968	45602	0.88%	0.135%
406	19.177	19.173	19.181	VV	1549	7309	0.14%	0.022%
407	19.190	19.181	19.220	VV	1875	37209	0.72%	0.110%
408	19.242	19.220	19.277	VV	1795	53766	1.03%	0.160%
409	19.294	19.277	19.317	VV	1694	36855	0.71%	0.109%
410	19.329	19.317	19.335	VV	1558	16487	0.32%	0.049%
411	19.382	19.335	19.407	VV	2709	88656	1.71%	0.263%
412	19.412	19.407	19.418	VV	1907	11350	0.22%	0.034%
413	19.454	19.418	19.464	VV	2065	53127	1.02%	0.158%
414	19.491	19.464	19.523	VV	2947	82644	1.59%	0.245%
415	19.560	19.523	19.568	VV	2919	61189	1.18%	0.182%
416	19.573	19.568	19.597	VV	2910	46294	0.89%	0.137%
417	19.618	19.597	19.626	VV	2537	40300	0.78%	0.120%
418	19.630	19.626	19.640	VV	2317	18905	0.36%	0.056%
419	19.673	19.640	19.704	VV	3059	97414	1.87%	0.289%
420	19.754	19.704	19.776	VV	4587	169309	3.26%	0.503%
421	19.784	19.776	19.825	VV	3549	96324	1.85%	0.286%
422	19.853	19.825	19.862	VV	3436	68754	1.32%	0.204%
423	19.866	19.862	19.872	VV	3349	18987	0.37%	0.056%
424	19.900	19.872	19.908	VV	3491	71343	1.37%	0.212%
425	19.934	19.908	19.951	VV	3889	93561	1.80%	0.278%
426	19.980	19.951	20.002	VV	4161	118940	2.29%	0.353%
427	20.030	20.002	20.057	VV	5677	154169	2.97%	0.458%
428	20.066	20.057	20.072	VV	4175	37030	0.71%	0.110%
429	20.120	20.072	20.142	VV	5248	195381	3.76%	0.580%
430	20.171	20.142	20.178	VV	4987	105065	2.02%	0.312%
431	20.238	20.178	20.258	VV	5253	238625	4.59%	0.709%
432	20.283	20.258	20.300	VV	5902	137551	2.65%	0.408%
433	20.363	20.300	20.380	VV	6121	269310	5.18%	0.800%
434	20.412	20.380	20.423	VV	6211	154104	2.97%	0.458%
435	20.427	20.423	20.431	VV	6080	27450	0.53%	0.082%
436	20.470	20.431	20.493	VV	6960	245293	4.72%	0.728%
437	20.496	20.493	20.512	VV	6574	70272	1.35%	0.209%
438	20.518	20.512	20.538	VV	6511	102407	1.97%	0.304%
439	20.554	20.538	20.563	VV	6365	93567	1.80%	0.278%
440	20.575	20.563	20.599	VV	6431	132485	2.55%	0.393%
441	20.602	20.599	20.618	VV	6268	72384	1.39%	0.215%
442	20.622	20.618	20.627	VV	6155	30912	0.59%	0.092%
443	20.639	20.627	20.648	VV	6409	80274	1.55%	0.238%
444	20.658	20.648	20.693	VV	6546	169423	3.26%	0.503%
445	20.696	20.693	20.727	VV	6062	115468	2.22%	0.343%
446	20.738	20.727	20.743	VV	5437	54395	1.05%	0.162%
447	20.750	20.743	20.755	VV	5583	38208	0.74%	0.113%
448	20.762	20.755	20.772	VV	5570	54287	1.04%	0.161%
449	20.776	20.772	20.782	VV	5517	33909	0.65%	0.101%
450	20.788	20.782	20.814	VV	5508	102018	1.96%	0.303%
451	20.857	20.814	20.882	VV	5495	213710	4.11%	0.635%
452	20.894	20.882	20.908	VV	5087	77599	1.49%	0.230%
453	20.917	20.908	20.924	VV	5038	49117	0.95%	0.146%
454	20.930	20.924	20.939	VV	5022	42089	0.81%	0.125%
455	20.948	20.939	20.962	VV	4906	65551	1.26%	0.195%
456	20.966	20.962	20.975	VV	4711	37393	0.72%	0.111%

					rterres			
457	20.981	20.975	21.005	VV	4764	83678	1.61%	0.248%
458	21.011	21.005	21.020	VV	4505	38456	0.74%	0.114%
459	21.026	21.020	21.048	VV	4581	73249	1.41%	0.218%
460	21.061	21.048	21.102	VV	4408	131830	2.54%	0.391%
461	21.121	21.102	21.140	VV	3997	88280	1.70%	0.262%
462	21.157	21.140	21.162	VV	3966	50497	0.97%	0.150%
463	21.166	21.162	21.171	VV	4016	21926	0.42%	0.065%
464	21.185	21.171	21.203	VV	3872	72036	1.39%	0.214%
465	21.207	21.203	21.211	VV	3630	15770	0.30%	0.047%
466	21.214	21.211	21.220	VV	3649	19786	0.38%	0.059%
467	21.225	21.220	21.240	VV	3625	41979	0.81%	0.125%
468	21.245	21.240	21.250	VV	3475	19839	0.38%	0.059%
469	21.285	21.250	21.308	VV	3708	121885	2.35%	0.362%
470	21.311	21.308	21.328	VV	3338	37623	0.72%	0.112%
471	21.333	21.328	21.350	VV	3023	38448	0.74%	0.114%
472	21.375	21.350	21.383	VV	3001	58796	1.13%	0.175%
473	21.388	21.383	21.408	VV	3130	44324	0.85%	0.132%
474	21.412	21.408	21.437	VV	3016	46944	0.90%	0.139%
475	21.440	21.437	21.453	VV	2728	26027	0.50%	0.077%
476	21.458	21.453	21.462	VV	2563	12621	0.24%	0.037%
477	21.484	21.462	21.497	VV	2732	54800	1.05%	0.163%
478	21.502	21.497	21.509	VV	2670	17967	0.35%	0.053%
479	21.540	21.509	21.553	VV	2593	64975	1.25%	0.193%
480	21.560	21.553	21.564	VV	2378	14567	0.28%	0.043%
481	21.568	21.564	21.579	VV	2388	20161	0.39%	0.060%
482	21.587	21.579	21.600	VV	2321	27498	0.53%	0.082%
483	21.605	21.600	21.613	VV	2272	16855	0.32%	0.050%
484	21.628	21.613	21.640	VV	2157	31745	0.61%	0.094%
485	21.648	21.640	21.667	VV	2135	31702	0.61%	0.094%
486	21.672	21.667	21.677	VV	1819	10473	0.20%	0.031%
487	21.695	21.677	21.702	VV	1930	27330	0.53%	0.081%
488	21.721	21.702	21.738	VV	1804	36781	0.71%	0.109%
489	21.752	21.738	21.761	VV	1889	25000	0.48%	0.074%
490	21.770	21.761	21.780	VV	1953	20775	0.40%	0.062%
491	21.786	21.780	21.797	VV	1826	17728	0.34%	0.053%
492	21.818	21.797	21.825	VV	1782	27552	0.53%	0.082%
493	21.836	21.825	21.855	VV	1706	28648	0.55%	0.085%
494	21.860	21.855	21.879	VV	1668	21178	0.41%	0.063%
495	21.884	21.879	21.897	VV	1416	13962	0.27%	0.041%
496	21.909	21.897	21.953	VV	1301	40500	0.78%	0.120%
497	21.967	21.953	22.001	VV	1186	26961	0.52%	0.080%
498	22.023	22.001	22.028	VV	1200	13493	0.26%	0.040%
499	22.034	22.028	22.075	VV	839	18915	0.36%	0.056%
500	22.083	22.075	22.089	VV	457	3365	0.06%	0.010%
501	22.092	22.089	22.112	VV	438	3953	0.08%	0.012%
502	22.125	22.118	22.163	VV	289	5475	0.11%	0.016%
Sum of corrected areas:					33677166			

Aromatic EPH 040725.M Fri Apr 11 01:39:23 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041125AL\
Data File : FC068560.D
Signal(s) : FID1A.ch
Acq On : 10 Apr 2025 21:36
Operator : YP/AJ
Sample : PB167513BL
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB167513BL

Integration File: autoint1.e
Quant Time: Apr 11 03:45:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 17:31:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.143	3367296	36.249 ug/ml
Spiked Amount	50.000	Recovery	= 72.50%

Target Compounds

(f)=RT Delta > 1/2 Window

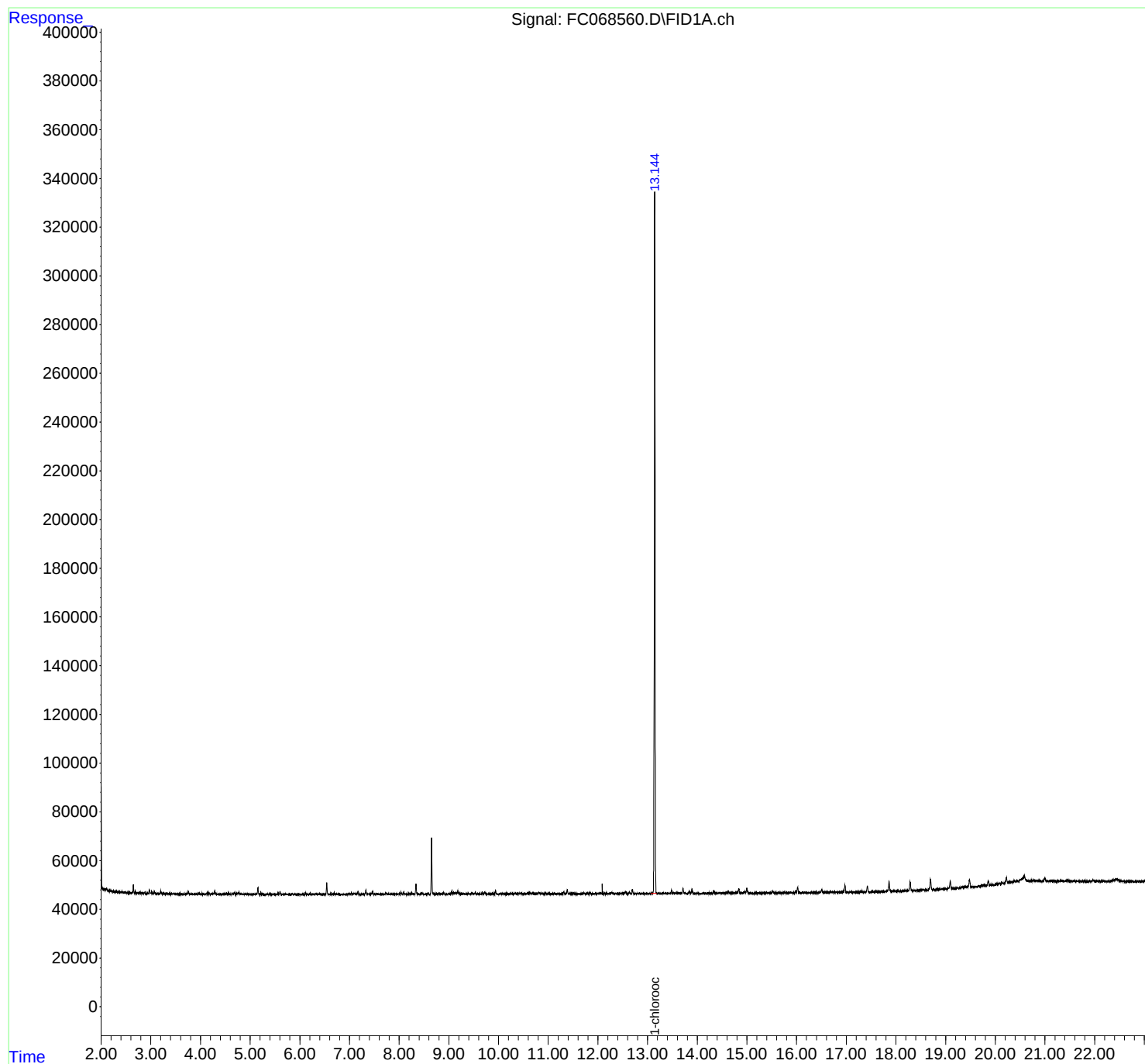
(m)=manual int.

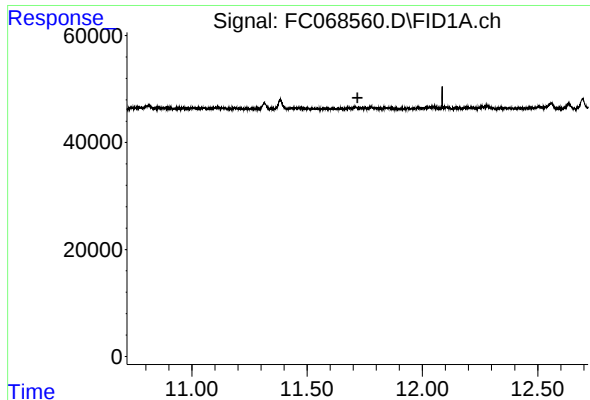
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041125AL\
Data File : FC068560.D
Signal(s) : FID1A.ch
Acq On : 10 Apr 2025 21:36
Operator : YP/AJ
Sample : PB167513BL
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB167513BL

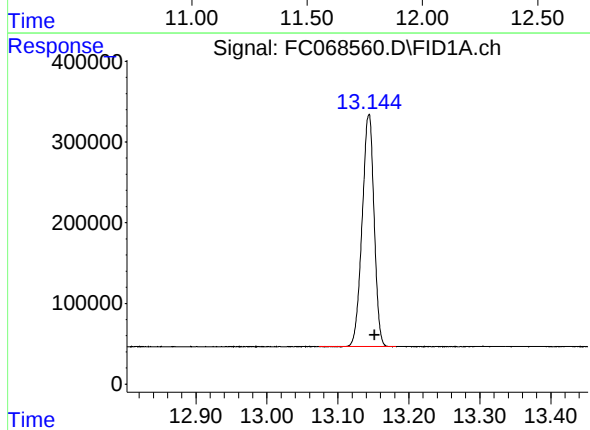
Integration File: autoint1.e
Quant Time: Apr 11 03:45:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 17:31:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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





Instrument :
FID_C
ClientSampleId :
PB167513BL



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041125AL\
 Data File : FC068560.D
 Signal(s) : FID1A.ch
 Acq On : 10 Apr 2025 21:36
 Sample : PB167513BL
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.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	13.143	13.074	13.182	BB	287294	3367296	100.00%	100.000%
Sum of corrected areas:						3367296		

Aliphatic EPH 040925.M Fri Apr 11 04:48:01 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD041025AR\
 Data File : FD049269.D
 Signal(s) : FID2B.ch
 Acq On : 10 Apr 2025 14:48
 Operator : YP/AJ
 Sample : PB167513BL
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 PB167513BL

A
B
C
D
E
F
G
H
I
J

Integration File: autoint1.e
 Quant Time: Apr 11 01:02:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 08 05:25:12 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.750	7195070	48.572 ug/ml
Spiked Amount 50.000		Recovery =	97.14%
6) S 2-Fluorobiphenyl (SURR)	8.616	4667252	45.756 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	91.51%
11) S ortho-Terphenyl (SURR)	11.658	7315586	41.523 ug/ml
Spiked Amount 50.000		Recovery =	83.05%

Target Compounds

(f)=RT Delta > 1/2 Window

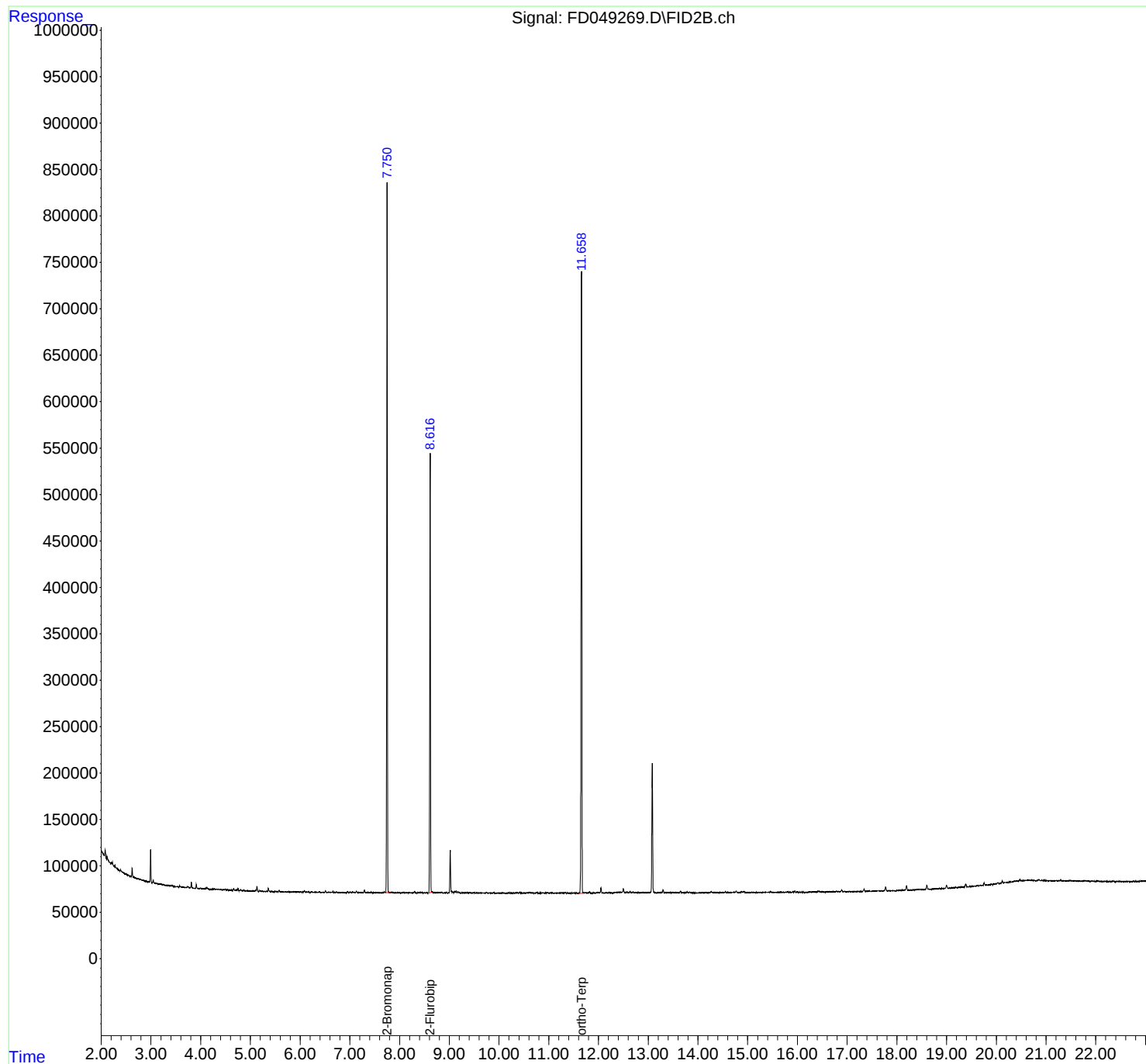
(m)=manual int.

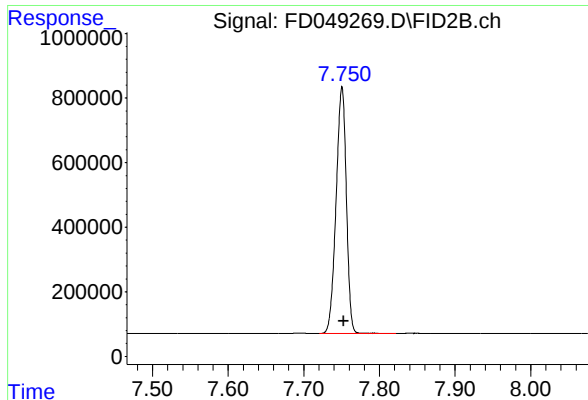
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD041025AR\
Data File : FD049269.D
Signal(s) : FID2B.ch
Acq On : 10 Apr 2025 14:48
Operator : YP/AJ
Sample : PB167513BL
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB167513BL

Integration File: autoint1.e
Quant Time: Apr 11 01:02:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 05:25:12 2025
Response via : Initial Calibration
Integrator: ChemStation

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

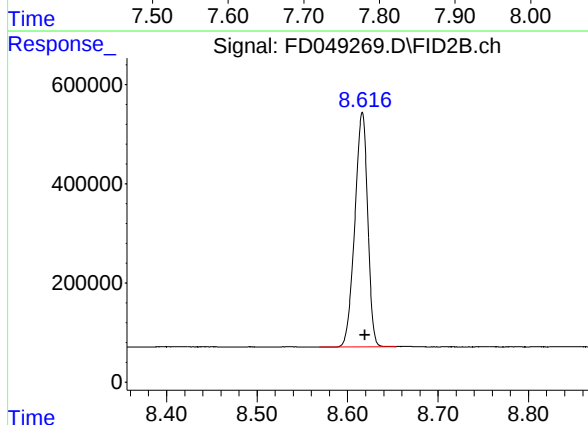




#4 2-Bromonaphthalene (SURR)

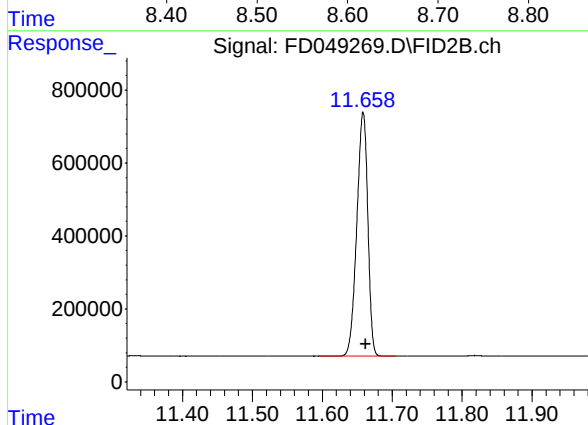
R.T.: 7.750 min
Delta R.T.: -0.002 min
Response: 7195070
Conc: 48.57 ug/ml

Instrument :
FID_D
ClientSampleId :
PB167513BL



#6 2-Fluorobiphenyl (SURR)

R.T.: 8.616 min
Delta R.T.: -0.003 min
Response: 4667252
Conc: 45.76 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.658 min
Delta R.T.: -0.004 min
Response: 7315586
Conc: 41.52 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD041025AR\
 Data File : FD049269.D
 Signal(s) : FID2B.ch
 Acq On : 10 Apr 2025 14:48
 Sample : PB167513BL
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.M
 Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	7.751	7.720	7.822	BB	763333	7195070	98.35%	37.517%
2	8.616	8.569	8.654	BV	474139	4667252	63.80%	24.337%
3	11.658	11.595	11.705	BV	668880	7315586	100.00%	38.146%
Sum of corrected areas:							19177908	

Aromatic EPH 040725.M Fri Apr 11 01:33:06 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041125AL\
 Data File : FC068561.D
 Signal(s) : FID1A.ch
 Acq On : 10 Apr 2025 22:14
 Operator : YP/AJ
 Sample : PB167513BS
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 PB167513BS

Integration File: autoint1.e
 Quant Time: Apr 11 03:46:08 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 08 17:31:27 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.144	3476251	37.422 ug/ml
Spiked Amount 50.000		Recovery =	74.84%
Target Compounds			
1) T n-Nonane (C9)	3.444	2511662	23.847 ug/ml
2) T n-Decane (C10)	4.519	3059850	29.042 ug/ml
4) T n-Dodecane (C12)	6.544	3470882	33.005 ug/ml
6) T n-Tetradecane (C14)	8.342	3939789	38.323 ug/ml
7) T n-Hexadecane (C16)	9.945	4399158	43.196 ug/ml
8) T n-Octadecane (C18)	11.388	4700659	46.711 ug/ml
10) T n-Eicosane (C20)	12.699	4936821	50.191 ug/ml
11) T n-Heneicosane (C21)	13.312	4753071	48.771 ug/ml
13) T n-Docosane (C22)	13.898	4760902	49.287 ug/ml
14) T n-Tetracosane (C24)	15.002	4703534	49.415 ug/ml
15) T n-Hexacosane (C26)	16.024	4586371	49.102 ug/ml
16) T n-Octacosane (C28)	16.976	4532861	49.508 ug/ml
17) T n-Tricontane (C30)	17.864	4546284	49.453 ug/ml
18) T n-Dotriacontane (C32)	18.699	4463677	48.662 ug/ml
19) T n-Tetratriacontane (C34)	19.482	4363368	48.840 ug/ml
20) T n-Hexatriacontane (C36)	20.224	4179719	46.660 ug/ml
21) T n-Octatriacontane (C38)	20.999	4119074	46.589 ug/ml
22) T n-Tetracontane (C40)	21.974	4084312	46.252 ug/ml

(f)=RT Delta > 1/2 Window

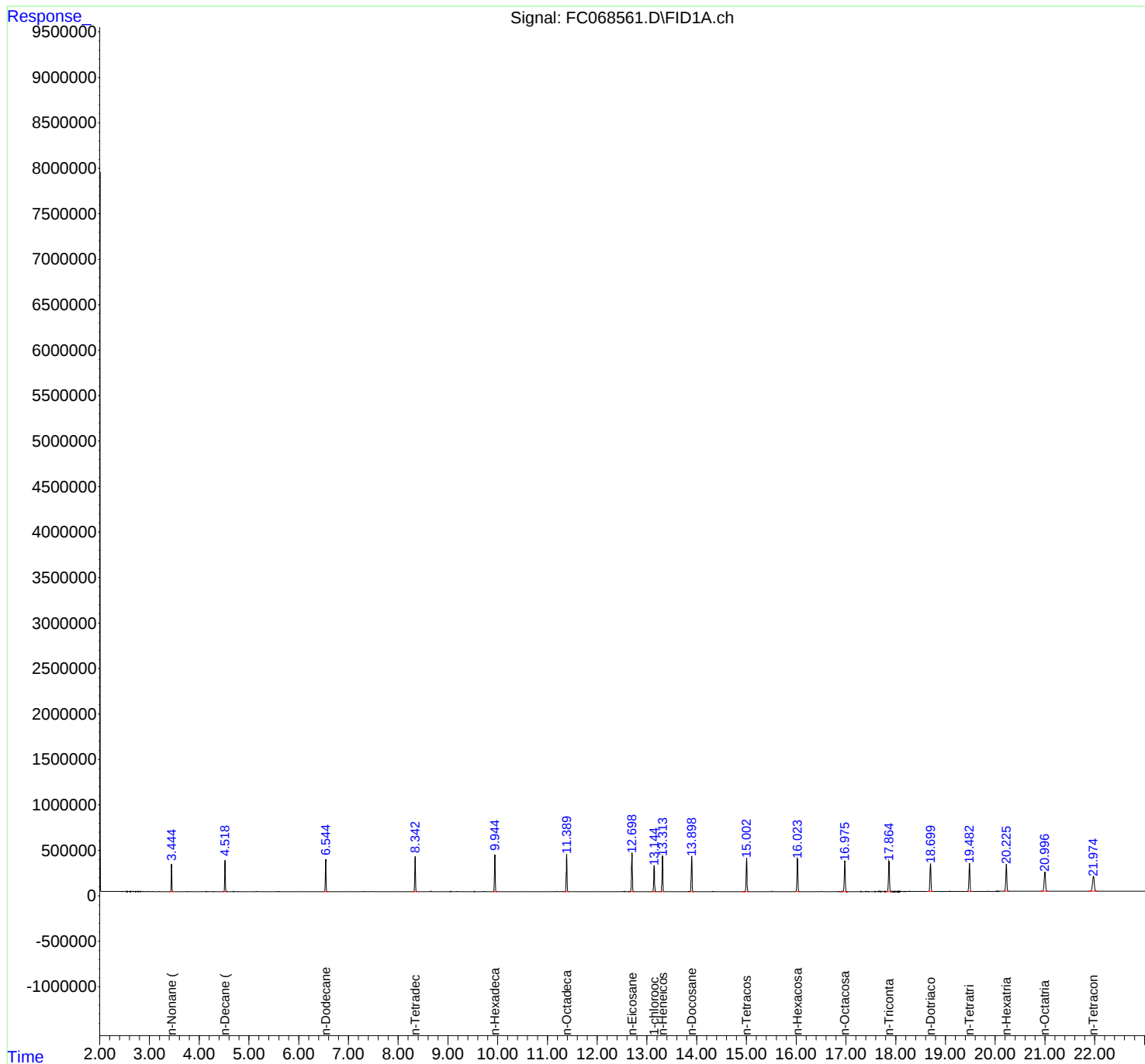
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041125AL\
Data File : FC068561.D
Signal(s) : FID1A.ch
Acq On : 10 Apr 2025 22:14
Operator : YP/AJ
Sample : PB167513BS
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB167513BS

Integration File: autoint1.e
Quant Time: Apr 11 03:46:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 17:31:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041125AL\
 Data File : FC068561.D
 Signal(s) : FID1A.ch
 Acq On : 10 Apr 2025 22:14
 Sample : PB167513BS
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.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	3.444	3.394	3.489	BB	301119	2511662	50.88%	3.156%
2	4.519	4.465	4.554	BV	345587	3059850	61.98%	3.845%
3	6.544	6.490	6.590	BB	357527	3470882	70.31%	4.361%
4	8.342	8.282	8.389	BB	385247	3939789	79.80%	4.950%
5	9.945	9.895	9.999	BB	406440	4399158	89.11%	5.527%
6	11.388	11.344	11.422	BB	412854	4700659	95.22%	5.906%
7	12.699	12.655	12.750	PB	426124	4936821	100.00%	6.203%
8	13.144	13.087	13.197	BB	286891	3476251	70.41%	4.368%
9	13.312	13.250	13.347	BB	388951	4753071	96.28%	5.972%
10	13.898	13.860	13.945	VB	391043	4760902	96.44%	5.982%
11	15.002	14.907	15.054	BB	373498	4703534	95.27%	5.910%
12	16.024	15.990	16.075	BB	364156	4586371	92.90%	5.763%
13	16.976	16.885	17.050	BB	333913	4532861	91.82%	5.695%
14	17.864	17.797	17.924	BB	332447	4546284	92.09%	5.712%
15	18.699	18.629	18.757	BB	306772	4463677	90.42%	5.608%
16	19.482	19.440	19.539	BB	309022	4363368	88.38%	5.482%
17	20.224	20.180	20.275	BB	292884	4179719	84.66%	5.252%
18	20.999	20.917	21.077	BB	210569	4119074	83.44%	5.175%
19	21.974	21.872	22.070	BB	163394	4084312	82.73%	5.132%
Sum of corrected areas:						79588246		

Aliphatic EPH 040925.M Fri Apr 11 04:48:26 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD041025AR\
 Data File : FD049270.D
 Signal(s) : FID2B.ch
 Acq On : 10 Apr 2025 15:25
 Operator : YP/AJ
 Sample : PB167513BS
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 PB167513BS

Integration File: autoint1.e
 Quant Time: Apr 11 01:03:03 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 08 05:25:12 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.751	7104793	47.962 ug/ml
Spiked Amount 50.000		Recovery =	95.92%
6) S 2-Fluorobiphenyl (SURR)	8.617	4968091	48.705 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	97.41%
11) S ortho-Terphenyl (SURR)	11.658	7270035	41.264 ug/ml
Spiked Amount 50.000		Recovery =	82.53%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.543	4533934	30.257 ug/ml
2) T Naphthalene (C11.7)	6.087	5252434	32.079 ug/ml
3) T 2-Methylnaphthalene (...)	7.140	5132521	31.731 ug/ml
5) T Acenaphthylene (C15.06)	8.420	6241909	35.337 ug/ml
7) T Acenaphthene (C15.5)	8.716	6641631	38.550 ug/ml
8) T Fluorene (C16.55)	9.497	6963247	39.931 ug/ml
9) T Phenanthrene (C19.36)	10.896	7511361	43.769 ug/ml
10) T Anthracene (C19.43)	10.971	7462992	47.506 ug/ml
12) T Fluoranthene (C21.85)	12.710	7880228	46.621 ug/ml
13) T Pyrene (C20.8)	13.009	7922597	47.238 ug/ml
14) T Benzo[a]anthracene (C...	14.878	7268586	50.566 ug/ml
15) T Chrysene (C27.41)	14.923	7766084	53.821 ug/ml
16) T benzo[b]fluoranthene ...	16.429	6964167	50.058 ug/ml
17) T Bnezo[k]fluoranthene ...	16.465	6921495	50.608 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.810	6658431	51.205 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.176	6939023	56.288 ug/ml
20) T Dibenz[a,h]anthracene...	18.214	6406338	50.664 ug/ml
21) T Benzo[g,h,i]perylene ...	18.434	6532365	50.038 ug/ml

(f)=RT Delta > 1/2 Window

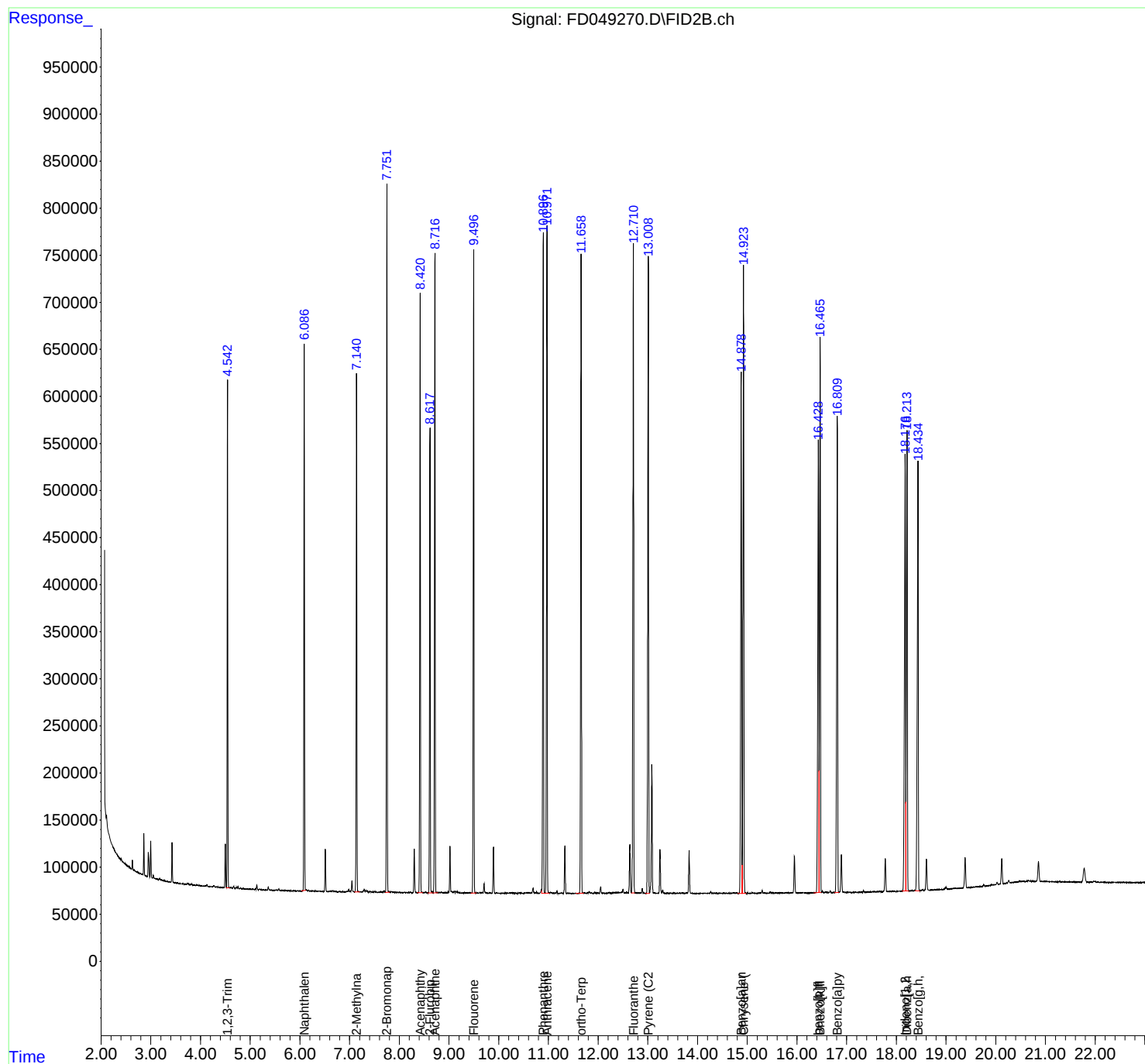
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD041025AR\
Data File : FD049270.D
Signal(s) : FID2B.ch
Acq On : 10 Apr 2025 15:25
Operator : YP/AJ
Sample : PB167513BS
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB167513BS

Integration File: autoint1.e
Quant Time: Apr 11 01:03:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 05:25:12 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD041025AR\
 Data File : FD049270.D
 Signal(s) : FID2B.ch
 Acq On : 10 Apr 2025 15:25
 Sample : PB167513BS
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.M
 Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.543	4.520	4.587	VB	538988	4533934	57.23%	3.231%
2	6.087	6.035	6.118	BV	580691	5252434	66.30%	3.743%
3	7.140	7.100	7.202	BV	550996	5132521	64.78%	3.657%
4	7.751	7.720	7.812	BB	752552	7104793	89.68%	5.062%
5	8.420	8.354	8.474	BB	638411	6241909	78.79%	4.448%
6	8.617	8.570	8.660	BV	493427	4968091	62.71%	3.540%
7	8.716	8.685	8.779	VB	679198	6641631	83.83%	4.732%
8	9.497	9.435	9.554	BB	683945	6963247	87.89%	4.962%
9	10.896	10.865	10.935	VV	700351	7511361	94.81%	5.352%
10	10.971	10.935	11.020	VV	711104	7462992	94.20%	5.318%
11	11.658	11.544	11.705	BB	678299	7270035	91.76%	5.180%
12	12.710	12.669	12.737	VB	691584	7880228	99.47%	5.615%
13	13.009	12.945	13.034	BV	676474	7922597	100.00%	5.645%
14	14.878	14.805	14.897	BV	551805	7268586	91.75%	5.179%
15	14.923	14.897	14.984	VB	668372	7766084	98.02%	5.534%
16	16.429	16.335	16.444	BV	481095	6964167	87.90%	4.962%
17	16.465	16.444	16.490	VV	590760	6921495	87.36%	4.932%
18	16.810	16.750	16.841	BV	505267	6658431	84.04%	4.744%
19	18.176	18.110	18.190	BV	463013	6939023	87.59%	4.944%
20	18.214	18.190	18.255	VB	489678	6406338	80.86%	4.565%
21	18.434	18.370	18.474	BV	456444	6532365	82.45%	4.655%
Sum of corrected areas:						140342260		

Aromatic EPH 040725.M Fri Apr 11 01:34:36 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD041025AR\
 Data File : FD049271.D
 Signal(s) : FID2B.ch
 Acq On : 10 Apr 2025 16:01
 Operator : YP/AJ
 Sample : PB167513BSD
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 PB167513BSD

A
B
C
D
E
F
G
H
I
J

Integration File: autoint1.e
 Quant Time: Apr 11 01:03:28 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 08 05:25:12 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

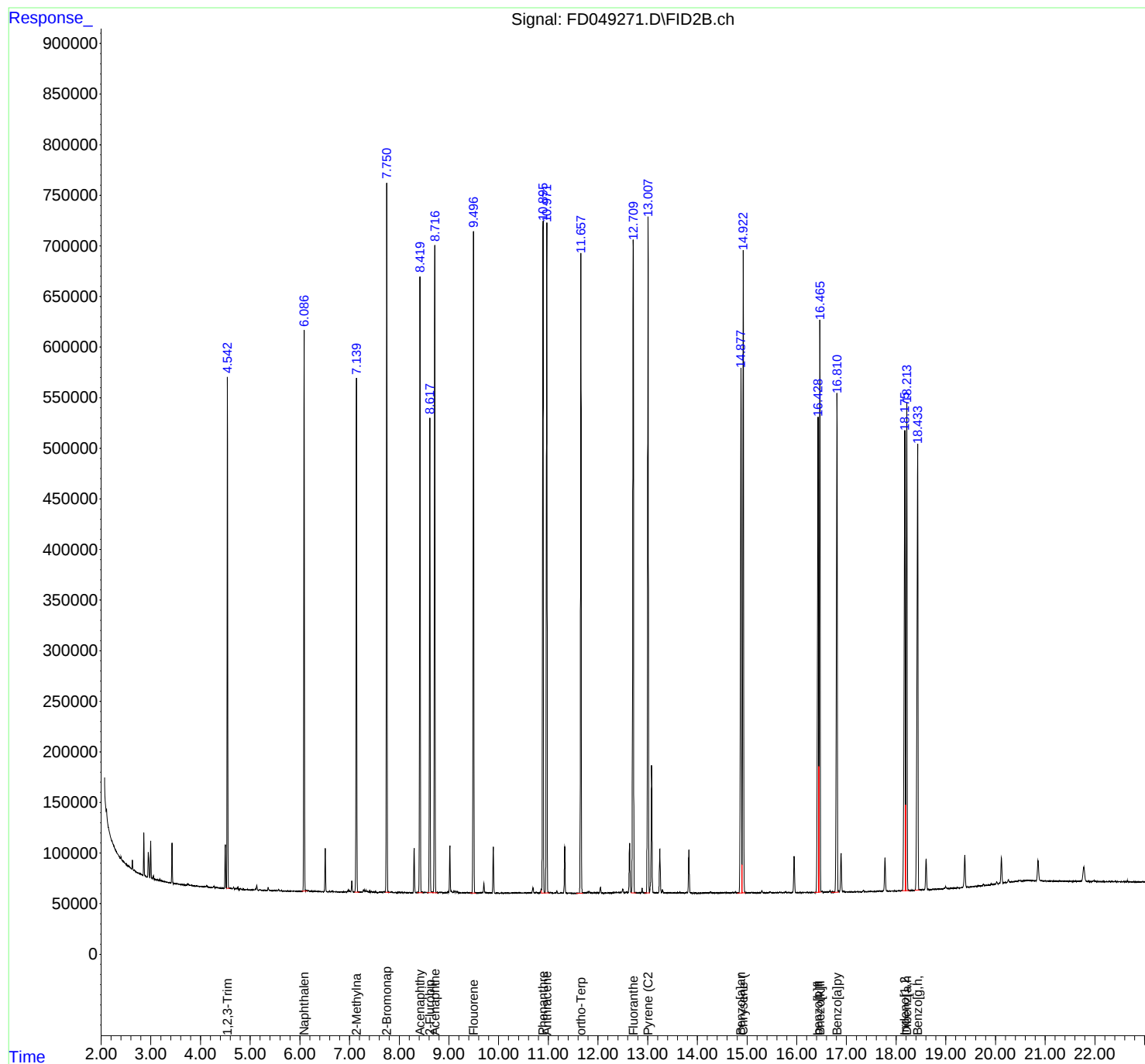
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.750	6686285	45.137 ug/ml
Spiked Amount 50.000		Recovery =	90.27%
6) S 2-Fluorobiphenyl (SURR)	8.617	4699720	46.074 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	92.15%
11) S ortho-Terphenyl (SURR)	11.657	6796630	38.577 ug/ml
Spiked Amount 50.000		Recovery =	77.15%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.542	4288364	28.618 ug/ml
2) T Naphthalene (C11.7)	6.086	5013350	30.619 ug/ml
3) T 2-Methylnaphthalene (...)	7.140	4859873	30.045 ug/ml
5) T Acenaphthylene (C15.06)	8.419	5905050	33.430 ug/ml
7) T Acenaphthene (C15.5)	8.716	6283963	36.474 ug/ml
8) T Fluorene (C16.55)	9.496	6570594	37.680 ug/ml
9) T Phenanthrene (C19.36)	10.895	7099181	41.367 ug/ml
10) T Anthracene (C19.43)	10.971	7063026	44.960 ug/ml
12) T Fluoranthene (C21.85)	12.709	7454671	44.103 ug/ml
13) T Pyrene (C20.8)	13.008	7492447	44.673 ug/ml
14) T Benzo[a]anthracene (C...	14.877	6956927	48.398 ug/ml
15) T Chrysene (C27.41)	14.922	7407680	51.337 ug/ml
16) T benzo[b]fluoranthene ...	16.428	6715936	48.274 ug/ml
17) T Bnezo[k]fluoranthene ...	16.465	6664102	48.726 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.810	6444018	49.556 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.175	6738227	54.660 ug/ml
20) T Dibenz[a,h]anthracene...	18.214	6260702	49.513 ug/ml
21) T Benzo[g,h,i]perylene ...	18.433	6330050	48.488 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Instrument :
FID_D
ClientSampleId :
PB167513BSD

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD041025AR\
 Data File : FD049271.D
 Signal(s) : FID2B.ch
 Acq On : 10 Apr 2025 16:01
 Sample : PB167513BSD
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.M
 Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.542	4.519	4.590	VB	504901	4288364	57.24%	3.207%
2	6.086	6.037	6.150	BB	555073	5013350	66.91%	3.749%
3	7.140	7.100	7.197	PB	508931	4859873	64.86%	3.634%
4	7.750	7.719	7.815	BB	700818	6686285	89.24%	5.000%
5	8.419	8.359	8.474	BV	607684	5905050	78.81%	4.416%
6	8.617	8.555	8.684	BV	469396	4699720	62.73%	3.514%
7	8.716	8.684	8.775	VB	640256	6283963	83.87%	4.699%
8	9.497	9.424	9.542	BB	655414	6570594	87.70%	4.913%
9	10.895	10.863	10.934	VV	664850	7099181	94.75%	5.309%
10	10.971	10.934	11.024	VV	660930	7063026	94.27%	5.282%
11	11.657	11.559	11.702	BV	629038	6796630	90.71%	5.082%
12	12.709	12.669	12.765	VB	645086	7454671	99.50%	5.574%
13	13.008	12.937	13.034	BV	666253	7492447	100.00%	5.603%
14	14.877	14.800	14.896	BV	519498	6956927	92.85%	5.202%
15	14.922	14.896	14.969	VB	634429	7407680	98.87%	5.539%
16	16.428	16.352	16.444	BV	468371	6715936	89.64%	5.022%
17	16.465	16.444	16.492	VV	566554	6664102	88.94%	4.983%
18	16.810	16.705	16.838	BV	494552	6444018	86.01%	4.819%
19	18.175	18.110	18.189	BV	454792	6738227	89.93%	5.039%
20	18.214	18.189	18.274	VB	482378	6260702	83.56%	4.682%
21	18.433	18.370	18.474	BB	441559	6330050	84.49%	4.733%
Sum of corrected areas:						133730796		

Aromatic EPH 040725.M Fri Apr 11 01:35:46 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041125AL\
 Data File : FC068562.D
 Signal(s) : FID1A.ch
 Acq On : 10 Apr 2025 22:51
 Operator : YP/AJ
 Sample : PB167513BSD
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 PB167513BSD

Integration File: autoint1.e
 Quant Time: Apr 11 03:46:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 08 17:31:27 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.144	3378740	36.372 ug/ml
Spiked Amount 50.000		Recovery =	72.74%
Target Compounds			
1) T n-Nonane (C9)	3.445	2590000	24.591 ug/ml
2) T n-Decane (C10)	4.520	3152325	29.920 ug/ml
4) T n-Dodecane (C12)	6.544	3557036	33.824 ug/ml
6) T n-Tetradecane (C14)	8.342	3996243	38.872 ug/ml
7) T n-Hexadecane (C16)	9.945	4433156	43.530 ug/ml
8) T n-Octadecane (C18)	11.388	4682520	46.531 ug/ml
10) T n-Eicosane (C20)	12.699	4879459	49.608 ug/ml
11) T n-Heneicosane (C21)	13.311	4681403	48.036 ug/ml
13) T n-Docosane (C22)	13.898	4675280	48.401 ug/ml
14) T n-Tetracosane (C24)	15.002	4605982	48.390 ug/ml
15) T n-Hexacosane (C26)	16.023	4493132	48.104 ug/ml
16) T n-Octacosane (C28)	16.975	4481288	48.945 ug/ml
17) T n-Tricontane (C30)	17.864	4533322	49.312 ug/ml
18) T n-Dotriacontane (C32)	18.698	4498769	49.044 ug/ml
19) T n-Tetratriacontane (C34)	19.483	4437893	49.675 ug/ml
20) T n-Hexatriacontane (C36)	20.224	4269087	47.657 ug/ml
21) T n-Octatriacontane (C38)	20.999	4217418	47.702 ug/ml
22) T n-Tetracontane (C40)	21.975	4186737	47.412 ug/ml

(f)=RT Delta > 1/2 Window

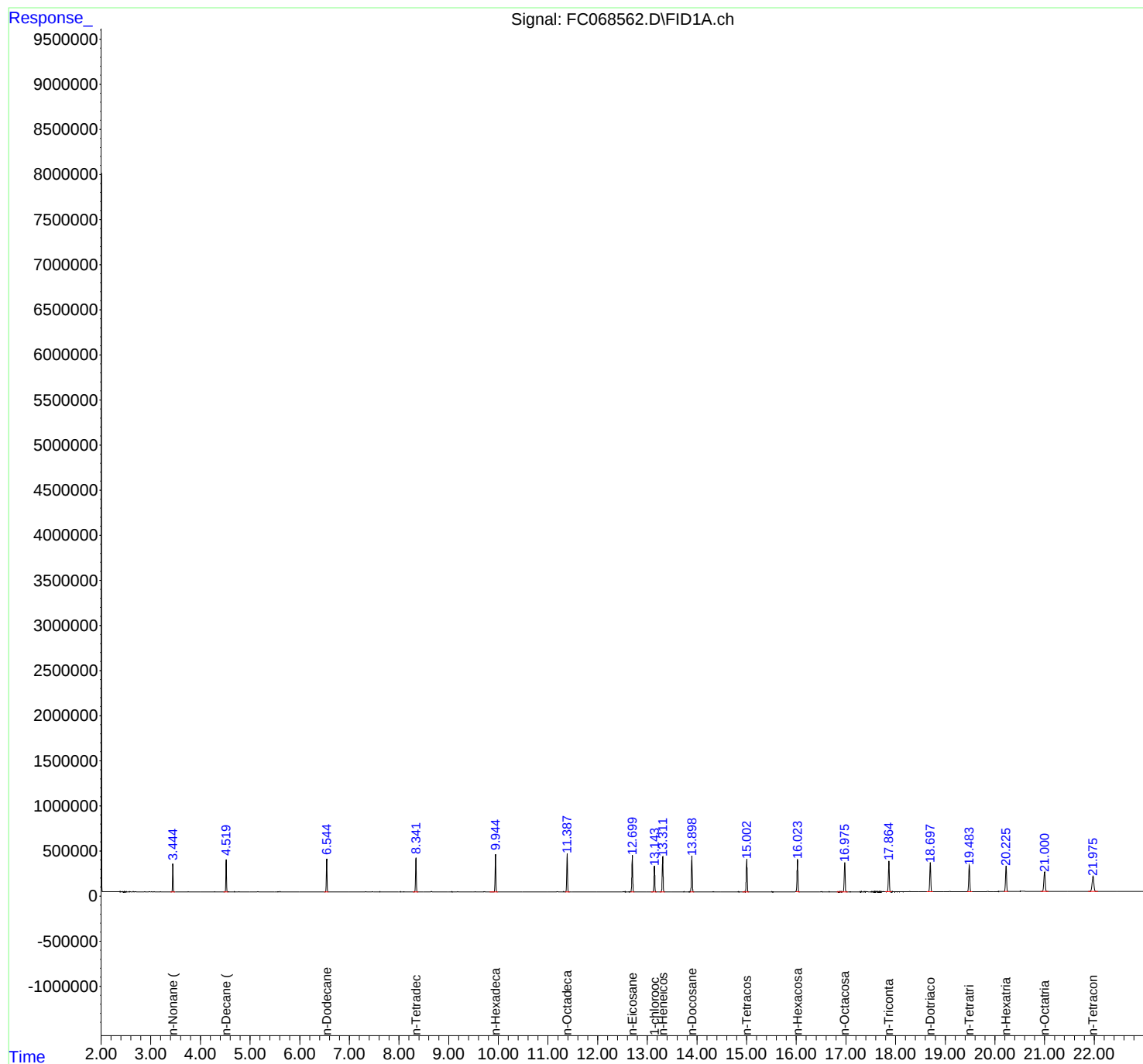
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041125AL\
Data File : FC068562.D
Signal(s) : FID1A.ch
Acq On : 10 Apr 2025 22:51
Operator : YP/AJ
Sample : PB167513BSD
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB167513BSD

Integration File: autoint1.e
Quant Time: Apr 11 03:46:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 17:31:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041125AL\
 Data File : FC068562.D
 Signal(s) : FID1A.ch
 Acq On : 10 Apr 2025 22:51
 Sample : PB167513BSD
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.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	3.445	3.395	3.488	BB	311051	2590000	53.08%	3.248%
2	4.520	4.465	4.555	BV	360380	3152325	64.60%	3.953%
3	6.544	6.492	6.577	BB	368696	3557036	72.90%	4.460%
4	8.342	8.280	8.387	BB	379510	3996243	81.90%	5.011%
5	9.945	9.823	9.992	BB	417831	4433156	90.85%	5.559%
6	11.388	11.347	11.437	BB	422975	4682520	95.96%	5.872%
7	12.699	12.663	12.738	BB	402700	4879459	100.00%	6.118%
8	13.144	13.075	13.190	BB	289729	3378740	69.24%	4.237%
9	13.311	13.250	13.352	BB	394244	4681403	95.94%	5.870%
10	13.898	13.862	13.942	VB	400411	4675280	95.82%	5.862%
11	15.002	14.913	15.047	BB	365565	4605982	94.40%	5.776%
12	16.023	15.990	16.070	BB	359806	4493132	92.08%	5.634%
13	16.975	16.818	17.033	BB	326442	4481288	91.84%	5.619%
14	17.864	17.795	17.917	BB	341396	4533322	92.91%	5.684%
15	18.698	18.628	18.752	BB	324430	4498769	92.20%	5.641%
16	19.483	19.440	19.540	BB	294081	4437893	90.95%	5.565%
17	20.224	20.180	20.267	BB	284624	4269087	87.49%	5.353%
18	20.999	20.917	21.075	BB	214407	4217418	86.43%	5.288%
19	21.975	21.878	22.075	BB	171086	4186737	85.80%	5.250%
Sum of corrected areas:						79749786		

Aliphatic EPH 040925.M Fri Apr 11 04:49:07 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041125AL\
 Data File : FC068567.D
 Signal(s) : FID1A.ch
 Acq On : 11 Apr 2025 01:55
 Operator : YP/AJ
 Sample : Q1746-01MS
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 B-149-SB01MS

Integration File: autoint1.e
 Quant Time: Apr 11 03:48:01 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 08 17:31:27 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.145	3712633	39.966 ug/ml
Spiked Amount 50.000		Recovery =	79.93%
Target Compounds			
1) T n-Nonane (C9)	3.445	1597930	15.172 ug/ml
2) T n-Decane (C10)	4.519	2034608	19.311 ug/ml
4) T n-Dodecane (C12)	6.544	2670472	25.394 ug/ml
6) T n-Tetradecane (C14)	8.342	3370380	32.784 ug/ml
7) T n-Hexadecane (C16)	9.945	3951267	38.798 ug/ml
8) T n-Octadecane (C18)	11.387	4052107	40.266 ug/ml
10) T n-Eicosane (C20)	12.698	4152640	42.219 ug/ml
11) T n-Heneicosane (C21)	13.311	3974185	40.779 ug/ml
13) T n-Docosane (C22)	13.897	3941290	40.802 ug/ml
14) T n-Tetracosane (C24)	15.002	4003738	42.063 ug/ml
15) T n-Hexacosane (C26)	16.025	3808744	40.777 ug/ml
16) T n-Octacosane (C28)	16.975	3785529	41.346 ug/ml
17) T n-Tricontane (C30)	17.864	3836308	41.730 ug/ml
18) T n-Dotriacontane (C32)	18.697	3807746	41.511 ug/ml
19) T n-Tetratriacontane (C34)	19.482	3799314	42.527 ug/ml
20) T n-Hexatriacontane (C36)	20.223	3701952	41.326 ug/ml
21) T n-Octatriacontane (C38)	20.998	3710211	41.965 ug/ml
22) T n-Tetracontane (C40)	21.974	3584183	40.588 ug/ml

(f)=RT Delta > 1/2 Window

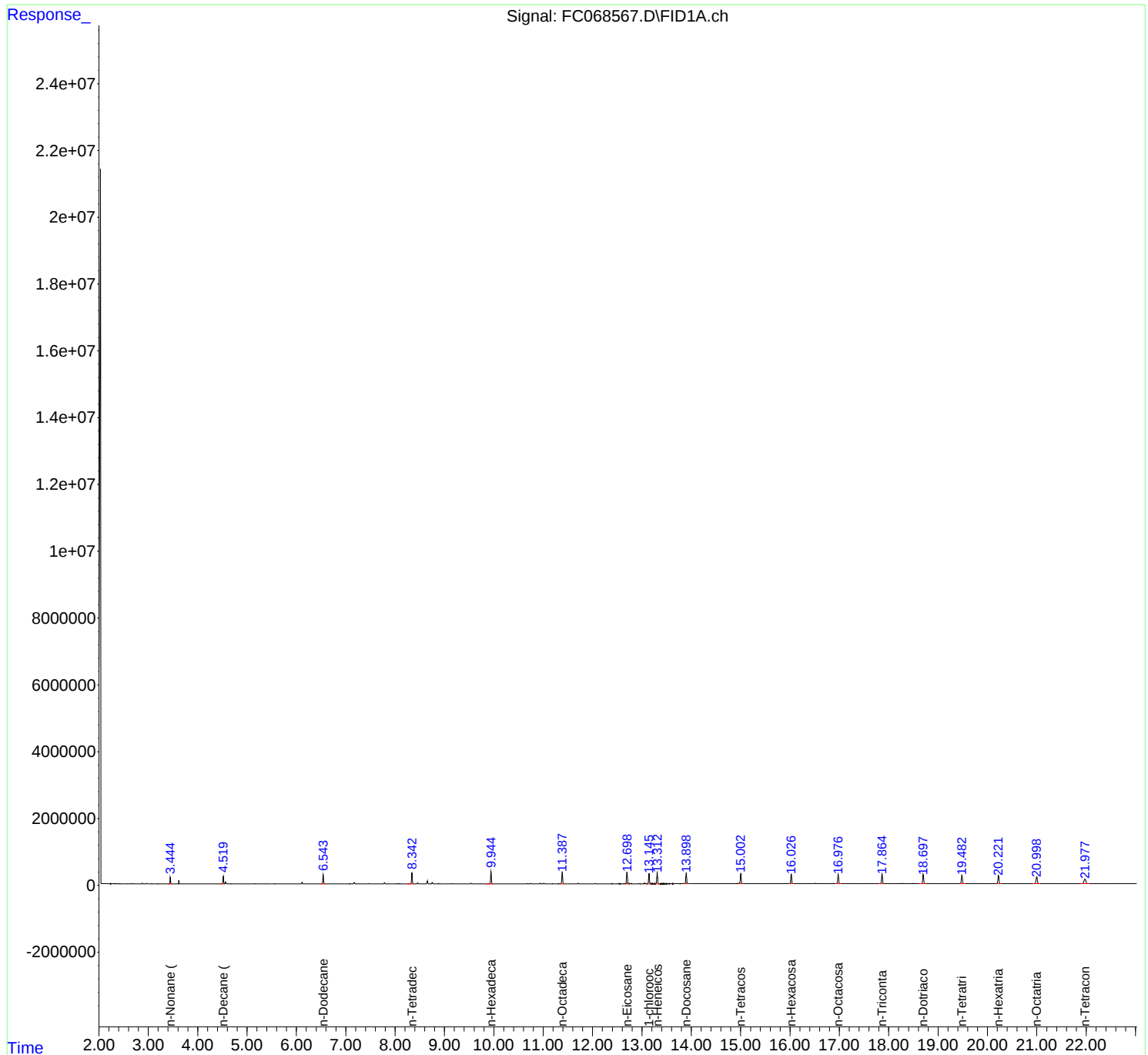
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041125AL\
Data File : FC068567.D
Signal(s) : FID1A.ch
Acq On : 11 Apr 2025 01:55
Operator : YP/AJ
Sample : Q1746-01MS
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
B-149-SB01MS

Integration File: autoint1.e
Quant Time: Apr 11 03:48:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 17:31:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041125AL\
 Data File : FC068567.D
 Signal(s) : FID1A.ch
 Acq On : 11 Apr 2025 01:55
 Sample : Q1746-01MS
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.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	2.361	2.321	2.398	BV	1365	4748	0.11%	0.006%
2	2.426	2.398	2.474	PV	4816	45725	1.10%	0.059%
3	2.490	2.474	2.509	PV	891	6940	0.17%	0.009%
4	2.519	2.509	2.560	VV	173	1376	0.03%	0.002%
5	2.589	2.560	2.624	VV	1995	17602	0.42%	0.023%
6	2.648	2.624	2.670	PV	6597	50846	1.22%	0.065%
7	2.697	2.670	2.741	VV	6964	63820	1.53%	0.082%
8	2.750	2.741	2.762	VV	167	1337	0.03%	0.002%
9	2.778	2.762	2.803	VV	566	4873	0.12%	0.006%
10	2.814	2.803	2.849	VV	359	3072	0.07%	0.004%
11	2.879	2.849	2.944	PV	20966	161183	3.88%	0.207%
12	2.969	2.944	3.002	VV	11148	135487	3.26%	0.174%
13	3.019	3.002	3.051	VV	789	7354	0.18%	0.009%
14	3.069	3.051	3.097	PV	1338	12015	0.29%	0.015%
15	3.107	3.097	3.132	VV	124	1035	0.02%	0.001%
16	3.147	3.132	3.177	PV	178	2409	0.06%	0.003%
17	3.197	3.177	3.247	VV	1337	12550	0.30%	0.016%
18	3.270	3.247	3.311	VV	183	3395	0.08%	0.004%
19	3.345	3.311	3.385	PV	126	2601	0.06%	0.003%
20	3.394	3.385	3.405	PV	120	928	0.02%	0.001%
21	3.445	3.405	3.518	VV	194805	1602269	38.53%	2.059%
22	3.524	3.518	3.535	VV	92	722	0.02%	0.001%
23	3.577	3.535	3.596	VV	259	4816	0.12%	0.006%
24	3.603	3.596	3.615	VV	148	1203	0.03%	0.002%
25	3.618	3.615	3.635	VV	39712	74567	1.79%	0.096%
26	3.649	3.635	3.683	VV	174	3011	0.07%	0.004%
27	3.724	3.683	3.744	VV	277	5268	0.13%	0.007%
28	3.770	3.744	3.808	VV	330	6923	0.17%	0.009%
29	3.824	3.808	3.855	VV	227	4384	0.11%	0.006%
30	3.861	3.855	3.881	VV	247	2669	0.06%	0.003%
31	3.893	3.881	3.931	VV	242	3646	0.09%	0.005%
32	3.946	3.931	3.981	VV	315	5066	0.12%	0.007%
33	3.991	3.981	4.011	VV	212	2621	0.06%	0.003%
34	4.028	4.011	4.087	VV	311	6598	0.16%	0.008%
35	4.120	4.087	4.132	VV	396	5946	0.14%	0.008%
36	4.148	4.132	4.200	VV	810	10240	0.25%	0.013%

					rterres			
37	4.214	4.200	4.245	VV	266	3491	0.08%	0.004%
38	4.289	4.245	4.314	PV	653	11882	0.29%	0.015%
39	4.329	4.314	4.408	VV	193	7323	0.18%	0.009%
40	4.442	4.408	4.495	VV	207	7242	0.17%	0.009%
41	4.519	4.495	4.545	VV	226717	2040410	49.07%	2.622%
42	4.565	4.545	4.607	VV	55709	491726	11.83%	0.632%
43	4.627	4.607	4.652	VV	1085	13835	0.33%	0.018%
44	4.675	4.652	4.710	VV	1516	22820	0.55%	0.029%
45	4.747	4.710	4.760	VV	689	9292	0.22%	0.012%
46	4.776	4.760	4.798	VV	1215	12431	0.30%	0.016%
47	4.809	4.798	4.841	VV	218	3426	0.08%	0.004%
48	4.862	4.841	4.877	VV	139	2192	0.05%	0.003%
49	4.900	4.877	4.916	VV	191	2852	0.07%	0.004%
50	4.941	4.916	4.955	VV	238	3299	0.08%	0.004%
51	4.970	4.955	4.991	VV	189	2802	0.07%	0.004%
52	5.000	4.991	5.041	VV	250	3050	0.07%	0.004%
53	5.056	5.041	5.065	VV	140	1158	0.03%	0.001%
54	5.083	5.065	5.105	VV	222	2660	0.06%	0.003%
55	5.131	5.105	5.140	VV	478	4639	0.11%	0.006%
56	5.157	5.140	5.191	VV	2001	22870	0.55%	0.029%
57	5.215	5.191	5.233	VV	385	5029	0.12%	0.006%
58	5.244	5.233	5.254	VV	165	1445	0.03%	0.002%
59	5.264	5.254	5.311	VV	198	2758	0.07%	0.004%
60	5.349	5.311	5.373	VV	188	4199	0.10%	0.005%
61	5.384	5.373	5.418	VV	284	3650	0.09%	0.005%
62	5.460	5.418	5.474	VV	177	3828	0.09%	0.005%
63	5.481	5.474	5.495	VV	103	999	0.02%	0.001%
64	5.560	5.495	5.581	VV	1649	20321	0.49%	0.026%
65	5.602	5.581	5.643	VV	834	11003	0.26%	0.014%
66	5.659	5.643	5.678	VV	206	2456	0.06%	0.003%
67	5.688	5.678	5.704	VV	132	1367	0.03%	0.002%
68	5.751	5.704	5.780	VV	383	7219	0.17%	0.009%
69	5.804	5.780	5.825	VV	162	2790	0.07%	0.004%
70	5.851	5.825	5.885	VV	335	6530	0.16%	0.008%
71	5.910	5.885	5.966	VV	181	5796	0.14%	0.007%
72	5.977	5.966	5.992	VV	197	1646	0.04%	0.002%
73	6.015	5.992	6.037	PV	175	2599	0.06%	0.003%
74	6.064	6.037	6.074	VV	216	2527	0.06%	0.003%
75	6.116	6.074	6.146	VV	51996	481571	11.58%	0.619%
76	6.160	6.146	6.181	VV	369	5186	0.12%	0.007%
77	6.203	6.181	6.238	VV	676	10149	0.24%	0.013%
78	6.264	6.238	6.282	VV	429	6387	0.15%	0.008%
79	6.334	6.282	6.371	VV	263	8912	0.21%	0.011%
80	6.385	6.371	6.405	VV	191	2787	0.07%	0.004%
81	6.431	6.405	6.452	VV	262	4151	0.10%	0.005%
82	6.475	6.452	6.508	VV	191	4649	0.11%	0.006%
83	6.544	6.508	6.603	VV	272886	2675802	64.35%	3.439%
84	6.629	6.603	6.647	VV	289	4204	0.10%	0.005%
85	6.663	6.647	6.675	VV	267	2566	0.06%	0.003%
86	6.693	6.675	6.714	VV	1066	11591	0.28%	0.015%
87	6.729	6.714	6.747	VV	311	4244	0.10%	0.005%
88	6.766	6.747	6.783	VV	341	4443	0.11%	0.006%
89	6.804	6.783	6.850	VV	131	4468	0.11%	0.006%

					rteres			
90	6.873	6.850	6.920	VV	212	6013	0.14%	0.008%
91	6.942	6.920	6.968	VV	193	3897	0.09%	0.005%
92	6.987	6.968	7.016	VV	312	4510	0.11%	0.006%
93	7.041	7.016	7.061	VV	554	8321	0.20%	0.011%
94	7.081	7.061	7.133	VV	1529	23312	0.56%	0.030%
95	7.173	7.133	7.227	VV	44120	433371	10.42%	0.557%
96	7.248	7.227	7.271	VV	642	8117	0.20%	0.010%
97	7.273	7.271	7.290	VV	209	1212	0.03%	0.002%
98	7.330	7.290	7.354	VV	1063	16535	0.40%	0.021%
99	7.389	7.354	7.417	VV	228	5902	0.14%	0.008%
100	7.438	7.417	7.446	VV	281	3396	0.08%	0.004%
101	7.468	7.446	7.513	VV	2657	29627	0.71%	0.038%
102	7.537	7.513	7.548	VV	236	3528	0.08%	0.005%
103	7.561	7.548	7.581	VV	438	4496	0.11%	0.006%
104	7.597	7.581	7.625	VV	109	1903	0.05%	0.002%
105	7.652	7.625	7.670	VV	202	4056	0.10%	0.005%
106	7.680	7.670	7.713	VV	143	1784	0.04%	0.002%
107	7.731	7.713	7.755	VV	493	5543	0.13%	0.007%
108	7.785	7.755	7.874	VV	34243	332774	8.00%	0.428%
109	7.896	7.874	7.935	VV	360	7831	0.19%	0.010%
110	7.951	7.935	7.973	VV	260	3381	0.08%	0.004%
111	7.991	7.973	8.015	VV	304	3972	0.10%	0.005%
112	8.036	8.015	8.075	VV	1994	24223	0.58%	0.031%
113	8.093	8.075	8.116	VV	1687	18136	0.44%	0.023%
114	8.128	8.116	8.137	VV	222	1777	0.04%	0.002%
115	8.162	8.137	8.180	VV	520	7053	0.17%	0.009%
116	8.196	8.180	8.221	VV	245	4300	0.10%	0.006%
117	8.248	8.221	8.268	VV	691	9865	0.24%	0.013%
118	8.274	8.268	8.287	VV	305	2997	0.07%	0.004%
119	8.342	8.287	8.408	VV	330756	3377738	81.24%	4.341%
120	8.457	8.408	8.515	VV	28561	297777	7.16%	0.383%
121	8.532	8.515	8.557	VV	423	6661	0.16%	0.009%
122	8.572	8.557	8.606	VV	411	5748	0.14%	0.007%
123	8.615	8.606	8.622	VV	86	365	0.01%	0.000%
124	8.655	8.622	8.685	PV	82566	806389	19.39%	1.036%
125	8.693	8.685	8.725	VV	410	7294	0.18%	0.009%
126	8.754	8.725	8.792	VV	43798	439600	10.57%	0.565%
127	8.806	8.792	8.819	VV	409	5553	0.13%	0.007%
128	8.831	8.819	8.853	VV	392	6950	0.17%	0.009%
129	8.878	8.853	8.918	VV	1515	23180	0.56%	0.030%
130	8.939	8.918	8.981	VV	271	5323	0.13%	0.007%
131	8.997	8.981	9.013	VV	270	2674	0.06%	0.003%
132	9.028	9.013	9.041	VV	237	2167	0.05%	0.003%
133	9.063	9.041	9.082	VV	1238	15038	0.36%	0.019%
134	9.102	9.082	9.135	VV	629	12398	0.30%	0.016%
135	9.163	9.135	9.211	VV	2456	46275	1.11%	0.059%
136	9.221	9.211	9.238	VV	284	3233	0.08%	0.004%
137	9.251	9.238	9.288	VV	319	4603	0.11%	0.006%
138	9.304	9.288	9.336	VV	276	3579	0.09%	0.005%
139	9.353	9.336	9.367	VV	124	1701	0.04%	0.002%
140	9.421	9.367	9.434	VV	323	6786	0.16%	0.009%
141	9.465	9.434	9.507	VV	513	10308	0.25%	0.013%

					rteres			
142	9.537	9.507	9.567	VV	21311	223344	5.37%	0.287%
143	9.582	9.567	9.601	VV	664	9141	0.22%	0.012%
144	9.621	9.601	9.645	VV	384	7055	0.17%	0.009%
145	9.672	9.645	9.701	VV	575	10953	0.26%	0.014%
146	9.723	9.701	9.741	VV	1992	22127	0.53%	0.028%
147	9.753	9.741	9.775	VV	717	7629	0.18%	0.010%
148	9.782	9.775	9.798	VV	187	1554	0.04%	0.002%
149	9.815	9.798	9.843	VV	651	7742	0.19%	0.010%
150	9.865	9.843	9.905	VV	414	9447	0.23%	0.012%
151	9.945	9.905	9.994	VV	366226	3942971	94.83%	5.067%
152	10.027	9.994	10.039	VV	297	5660	0.14%	0.007%
153	10.045	10.039	10.082	VV	250	3714	0.09%	0.005%
154	10.095	10.082	10.108	VV	116	996	0.02%	0.001%
155	10.115	10.108	10.190	VV	130	2178	0.05%	0.003%
156	10.222	10.190	10.236	PV	204	1729	0.04%	0.002%
157	10.265	10.236	10.301	PV	256	5605	0.13%	0.007%
158	10.333	10.301	10.357	VV	1087	16490	0.40%	0.021%
159	10.377	10.357	10.396	VV	378	6128	0.15%	0.008%
160	10.423	10.396	10.457	VV	381	8246	0.20%	0.011%
161	10.477	10.457	10.521	VV	348	6631	0.16%	0.009%
162	10.542	10.521	10.558	VV	225	3762	0.09%	0.005%
163	10.575	10.558	10.598	VV	276	5544	0.13%	0.007%
164	10.614	10.598	10.644	VV	371	7834	0.19%	0.010%
165	10.681	10.644	10.712	VV	2627	36933	0.89%	0.047%
166	10.752	10.712	10.788	VV	2160	51950	1.25%	0.067%
167	10.813	10.788	10.859	VV	572	12353	0.30%	0.016%
168	10.869	10.859	10.914	VV	199	6198	0.15%	0.008%
169	10.940	10.914	10.979	VV	19379	206014	4.95%	0.265%
170	11.014	10.979	11.042	VV	20793	214639	5.16%	0.276%
171	11.055	11.042	11.071	VV	382	5346	0.13%	0.007%
172	11.078	11.071	11.089	VV	359	3612	0.09%	0.005%
173	11.097	11.089	11.121	VV	343	5649	0.14%	0.007%
174	11.136	11.121	11.161	VV	324	4475	0.11%	0.006%
175	11.189	11.161	11.227	VV	1091	13837	0.33%	0.018%
176	11.248	11.227	11.266	VV	66	847	0.02%	0.001%
177	11.316	11.266	11.346	PV	973	13939	0.34%	0.018%
178	11.387	11.346	11.448	VV	357492	4058010	97.60%	5.215%
179	11.478	11.448	11.524	VV	883	14237	0.34%	0.018%
180	11.542	11.524	11.559	PV	197	1907	0.05%	0.002%
181	11.576	11.559	11.588	VV	102	907	0.02%	0.001%
182	11.595	11.588	11.603	VV	59	508	0.01%	0.001%
183	11.709	11.603	11.735	VV	12394	140366	3.38%	0.180%
184	11.743	11.735	11.759	VV	415	3939	0.09%	0.005%
185	11.780	11.759	11.806	VV	606	9107	0.22%	0.012%
186	11.839	11.806	11.858	VV	401	8846	0.21%	0.011%
187	11.869	11.858	11.885	VV	389	4610	0.11%	0.006%
188	11.898	11.885	11.918	VV	285	3656	0.09%	0.005%
189	11.935	11.918	11.958	VV	188	4093	0.10%	0.005%
190	11.960	11.958	11.969	VV	230	958	0.02%	0.001%
191	12.054	11.969	12.088	VV	3079	51211	1.23%	0.066%
192	12.104	12.088	12.127	VV	350	5947	0.14%	0.008%
193	12.150	12.127	12.171	VV	563	8629	0.21%	0.011%
194	12.214	12.171	12.238	VV	276	8029	0.19%	0.010%

					rteres			
195	12.277	12.238	12.305	VV	574	12031	0.29%	0.015%
196	12.346	12.305	12.375	VV	558	15509	0.37%	0.020%
197	12.392	12.375	12.407	VV	758	9641	0.23%	0.012%
198	12.419	12.407	12.455	VV	423	9918	0.24%	0.013%
199	12.467	12.455	12.479	VV	524	6073	0.15%	0.008%
200	12.521	12.479	12.548	VV	1320	31527	0.76%	0.041%
201	12.558	12.548	12.599	VV	831	12289	0.30%	0.016%
202	12.637	12.599	12.660	VV	865	15501	0.37%	0.020%
203	12.698	12.660	12.733	VV	353622	4157981	100.00%	5.343%
204	12.759	12.733	12.808	VV	14344	170674	4.10%	0.219%
205	12.818	12.808	12.836	VV	306	3960	0.10%	0.005%
206	12.843	12.836	12.890	VV	173	3461	0.08%	0.004%
207	12.949	12.890	13.009	VV	635	16474	0.40%	0.021%
208	13.019	13.009	13.030	VV	220	2268	0.05%	0.003%
209	13.059	13.030	13.086	VV	18174	202416	4.87%	0.260%
210	13.145	13.086	13.180	VV	313804	3730316	89.71%	4.794%
211	13.194	13.180	13.221	VV	479	8887	0.21%	0.011%
212	13.228	13.221	13.234	VV	378	2329	0.06%	0.003%
213	13.245	13.234	13.268	VV	392	6744	0.16%	0.009%
214	13.311	13.268	13.347	VV	333983	3989556	95.95%	5.127%
215	13.363	13.347	13.376	VV	554	7792	0.19%	0.010%
216	13.380	13.376	13.438	VV	426	11790	0.28%	0.015%
217	13.448	13.438	13.456	VV	292	2508	0.06%	0.003%
218	13.481	13.456	13.505	VV	363	7315	0.18%	0.009%
219	13.543	13.505	13.558	VV	483	12082	0.29%	0.016%
220	13.579	13.558	13.627	VV	469	14492	0.35%	0.019%
221	13.654	13.627	13.670	VV	542	10053	0.24%	0.013%
222	13.688	13.670	13.715	VV	798	13845	0.33%	0.018%
223	13.738	13.715	13.778	VV	1130	23216	0.56%	0.030%
224	13.810	13.778	13.825	VV	402	9671	0.23%	0.012%
225	13.843	13.825	13.860	VV	885	13480	0.32%	0.017%
226	13.897	13.860	13.941	VV	324231	3955508	95.13%	5.083%
227	13.955	13.941	13.976	VV	529	8733	0.21%	0.011%
228	13.987	13.976	14.008	VV	379	5367	0.13%	0.007%
229	14.033	14.008	14.086	VV	318	11109	0.27%	0.014%
230	14.123	14.086	14.168	VV	619	19802	0.48%	0.025%
231	14.191	14.168	14.242	VV	354	13684	0.33%	0.018%
232	14.258	14.242	14.275	VV	345	5873	0.14%	0.008%
233	14.331	14.275	14.358	VV	1410	31156	0.75%	0.040%
234	14.369	14.358	14.385	VV	430	5763	0.14%	0.007%
235	14.392	14.385	14.408	VV	360	4734	0.11%	0.006%
236	14.416	14.408	14.432	VV	496	5706	0.14%	0.007%
237	14.458	14.432	14.482	VV	1666	24080	0.58%	0.031%
238	14.530	14.482	14.548	VV	413	11491	0.28%	0.015%
239	14.560	14.548	14.578	VV	433	6165	0.15%	0.008%
240	14.582	14.578	14.608	VV	401	5621	0.14%	0.007%
241	14.624	14.608	14.641	VV	318	4898	0.12%	0.006%
242	14.659	14.641	14.703	VV	418	11154	0.27%	0.014%
243	14.725	14.703	14.798	VV	476	17902	0.43%	0.023%
244	14.854	14.798	14.878	VV	490	16702	0.40%	0.021%
245	14.936	14.878	14.957	VV	9767	119333	2.87%	0.153%
246	15.002	14.957	15.125	VV	316467	4025807	96.82%	5.173%

					rteres			
247	15.144	15.125	15.157	VV	151	2502	0.06%	0.003%
248	15.198	15.157	15.213	VV	331	6759	0.16%	0.009%
249	15.246	15.213	15.262	VV	303	7014	0.17%	0.009%
250	15.270	15.262	15.298	VV	263	3264	0.08%	0.004%
251	15.334	15.298	15.360	VV	399	8884	0.21%	0.011%
252	15.386	15.360	15.408	VV	319	5816	0.14%	0.007%
253	15.426	15.408	15.445	VV	286	4970	0.12%	0.006%
254	15.450	15.445	15.468	VV	259	2628	0.06%	0.003%
255	15.481	15.468	15.498	VV	207	2867	0.07%	0.004%
256	15.519	15.498	15.575	VV	2053	31726	0.76%	0.041%
257	15.577	15.575	15.590	VV	251	1545	0.04%	0.002%
258	15.608	15.590	15.655	VV	245	4986	0.12%	0.006%
259	16.670	15.655	15.682	VV	249	2658	0.06%	0.003%
260	15.701	15.682	15.738	VV	335	6693	0.16%	0.009%
261	15.750	15.738	15.778	VV	283	5388	0.13%	0.007%
262	15.789	15.778	15.811	VV	257	3935	0.09%	0.005%
263	15.854	15.811	15.898	VV	370	11703	0.28%	0.015%
264	15.911	15.898	15.928	VV	231	3076	0.07%	0.004%
265	15.948	15.928	15.958	VV	210	2593	0.06%	0.003%
266	16.024	15.958	16.098	VV	288666	3847135	92.52%	4.944%
267	16.120	16.098	16.135	VV	193	1870	0.04%	0.002%
268	16.145	16.135	16.165	PV	91	788	0.02%	0.001%
269	16.189	16.165	16.209	VV	333	5931	0.14%	0.008%
270	16.243	16.209	16.288	VV	372	9776	0.24%	0.013%
271	16.313	16.288	16.321	VV	282	3918	0.09%	0.005%
272	16.336	16.321	16.360	VV	349	5431	0.13%	0.007%
273	16.395	16.360	16.437	VV	356	9894	0.24%	0.013%
274	16.493	16.437	16.508	VV	8157	112602	2.71%	0.145%
275	16.523	16.508	16.561	VV	7511	101820	2.45%	0.131%
276	16.576	16.561	16.614	VV	310	7716	0.19%	0.010%
277	16.667	16.614	16.715	VV	532	23143	0.56%	0.030%
278	16.750	16.715	16.767	VV	457	10901	0.26%	0.014%
279	16.783	16.767	16.798	VV	402	6350	0.15%	0.008%
280	16.812	16.798	16.833	VV	478	8437	0.20%	0.011%
281	16.873	16.833	16.907	VV	7177	101829	2.45%	0.131%
282	16.975	16.907	17.035	VV	282540	3806798	91.55%	4.892%
283	17.052	17.035	17.082	VV	440	10887	0.26%	0.014%
284	17.119	17.082	17.153	VV	520	17469	0.42%	0.022%
285	17.230	17.153	17.271	VV	608	31759	0.76%	0.041%
286	17.298	17.271	17.347	VV	822	21683	0.52%	0.028%
287	17.422	17.347	17.461	VV	2866	61191	1.47%	0.079%
288	17.467	17.461	17.488	VV	467	5620	0.14%	0.007%
289	17.554	17.488	17.582	VV	790	24312	0.58%	0.031%
290	17.603	17.582	17.618	VV	342	6213	0.15%	0.008%
291	17.629	17.618	17.634	VV	358	2581	0.06%	0.003%
292	17.647	17.634	17.678	VV	457	8417	0.20%	0.011%
293	17.685	17.678	17.698	VV	273	2771	0.07%	0.004%
294	17.752	17.698	17.797	VV	3316	64106	1.54%	0.082%
295	17.864	17.797	17.902	VV	287729	3852341	92.65%	4.951%
296	17.915	17.902	17.935	VV	413	5821	0.14%	0.007%
297	17.952	17.935	17.975	VV	323	6731	0.16%	0.009%
298	18.022	17.975	18.096	VV	1431	43473	1.05%	0.056%
299	18.129	18.096	18.161	VV	303	8754	0.21%	0.011%

					rteres			
300	18.242	18.161	18.261	VV	5814	84228	2.03%	0.108%
301	18.284	18.261	18.330	VV	9504	125960	3.03%	0.162%
302	18.388	18.330	18.448	PV	1170	28992	0.70%	0.037%
303	18.497	18.448	18.530	VV	5384	71081	1.71%	0.091%
304	18.549	18.530	18.571	VV	358	6297	0.15%	0.008%
305	18.591	18.571	18.606	VV	300	4428	0.11%	0.006%
306	18.615	18.606	18.626	VV	168	1207	0.03%	0.002%
307	18.697	18.626	18.778	PV	269072	3814394	91.74%	4.902%
308	18.814	18.778	18.838	VV	791	14442	0.35%	0.019%
309	18.863	18.838	18.905	VV	664	14384	0.35%	0.018%
310	18.919	18.905	18.935	VV	261	3802	0.09%	0.005%
311	18.949	18.935	18.968	VV	320	5036	0.12%	0.006%
312	18.985	18.968	19.021	VV	291	7565	0.18%	0.010%
313	19.093	19.021	19.121	VV	4723	77663	1.87%	0.100%
314	19.142	19.121	19.183	VV	535	12648	0.30%	0.016%
315	19.210	19.183	19.242	VV	530	12974	0.31%	0.017%
316	19.276	19.242	19.309	VV	509	14496	0.35%	0.019%
317	19.345	19.309	19.368	VV	550	14853	0.36%	0.019%
318	19.482	19.368	19.570	VV	252656	3859492	92.82%	4.960%
319	19.633	19.570	19.652	VV	919	34616	0.83%	0.044%
320	19.726	19.652	19.741	VV	923	41627	1.00%	0.053%
321	19.788	19.741	19.808	VV	981	35408	0.85%	0.046%
322	19.853	19.808	19.891	VV	2328	66566	1.60%	0.086%
323	20.032	19.891	20.055	VV	1446	119037	2.86%	0.153%
324	20.126	20.055	20.158	VV	2072	100114	2.41%	0.129%
325	20.223	20.158	20.285	VV	250821	3837761	92.30%	4.932%
326	20.306	20.285	20.327	VV	2034	48012	1.15%	0.062%
327	20.361	20.327	20.372	VV	2083	53855	1.30%	0.069%
328	20.389	20.372	20.414	VV	2149	50511	1.21%	0.065%
329	20.444	20.414	20.461	VV	2032	56726	1.36%	0.073%
330	20.500	20.461	20.518	VV	2049	66708	1.60%	0.086%
331	20.585	20.518	20.630	VV	2925	142540	3.43%	0.183%
332	20.735	20.630	20.757	VV	2089	144113	3.47%	0.185%
333	20.784	20.757	20.871	VV	2011	121783	2.93%	0.156%
334	20.880	20.871	20.922	VV	1611	47309	1.14%	0.061%
335	20.998	20.922	21.088	VV	204860	3850908	92.61%	4.949%
336	21.097	21.088	21.138	VV	1433	40839	0.98%	0.052%
337	21.147	21.138	21.188	VV	1291	37977	0.91%	0.049%
338	21.196	21.188	21.201	VV	1264	9792	0.24%	0.013%
339	21.209	21.201	21.231	VV	1204	21275	0.51%	0.027%
340	21.243	21.231	21.301	VV	1213	47326	1.14%	0.061%
341	21.340	21.301	21.401	VV	1137	59782	1.44%	0.077%
342	21.448	21.401	21.490	VV	1523	59316	1.43%	0.076%
343	21.502	21.490	21.541	VV	844	23494	0.57%	0.030%
344	21.549	21.541	21.558	VV	823	7633	0.18%	0.010%
345	21.597	21.558	21.627	VV	811	31046	0.75%	0.040%
346	21.639	21.627	21.678	VV	747	22424	0.54%	0.029%
347	21.689	21.678	21.726	VV	757	19679	0.47%	0.025%
348	21.741	21.726	21.778	VV	659	17107	0.41%	0.022%
349	21.815	21.778	21.824	VV	492	13142	0.32%	0.017%
350	21.832	21.824	21.895	VV	494	18319	0.44%	0.024%
351	21.975	21.895	22.103	VV	141554	3619007	87.04%	4.651%

					rteres			
352	22.131	22.103	22.142	VV	258	5066	0.12%	0.007%
353	22.152	22.142	22.165	VV	197	2510	0.06%	0.003%
354	22.179	22.165	22.218	VV	172	4378	0.11%	0.006%
355	22.236	22.218	22.272	VV	162	4103	0.10%	0.005%
356	22.281	22.272	22.302	VV	125	1522	0.04%	0.002%
357	22.323	22.302	22.331	VV	109	1280	0.03%	0.002%
Sum of corrected areas:					77816733			

Aliphatic EPH 040925.M Fri Apr 11 04:58:41 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD041025AR\
 Data File : FD049276.D
 Signal(s) : FID2B.ch
 Acq On : 10 Apr 2025 19:07
 Operator : YP/AJ
 Sample : Q1746-01MS
 Misc :
 ALS Vial : 68 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 B-149-SB01MS

Integration File: autoint1.e
 Quant Time: Apr 11 01:05:02 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 08 05:25:12 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.750	5519783	37.262 ug/ml
Spiked Amount 50.000		Recovery =	74.52%
6) S 2-Fluorobiphenyl (SURR)	8.615	3189374	31.268 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	62.54%
11) S ortho-Terphenyl (SURR)	11.658	5506873	31.256 ug/ml
Spiked Amount 50.000		Recovery =	62.51%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.541	2233228	14.903 ug/ml
2) T Naphthalene (C11.7)	6.086	3179791	19.420 ug/ml
3) T 2-Methylnaphthalene (...)	7.139	3544934	21.916 ug/ml
5) T Acenaphthylene (C15.06)	8.419	5104656	28.899 ug/ml
7) T Acenaphthene (C15.5)	8.715	5084253	29.511 ug/ml
8) T Fluorene (C16.55)	9.496	5959872	34.177 ug/ml
9) T Phenanthrene (C19.36)	10.895	6459746	37.641 ug/ml
10) T Anthracene (C19.43)	10.970	6192020	39.415 ug/ml
12) T Fluoranthene (C21.85)	12.709	6940271	41.060 ug/ml
13) T Pyrene (C20.8)	13.008	6682851	39.846 ug/ml
14) T Benzo[a]anthracene (C...	14.877	6258466	43.539 ug/ml
15) T Chrysene (C27.41)	14.922	6789279	47.052 ug/ml
16) T benzo[b]fluoranthene ...	16.428	6006098	43.171 ug/ml
17) T Bnezo[k]fluoranthene ...	16.463	5846624	42.749 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.809	5592066	43.004 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.174	5965719	48.393 ug/ml
20) T Dibenz[a,h]anthracene...	18.213	5470332	43.262 ug/ml
21) T Benzo[g,h,i]perylene ...	18.432	5548772	42.503 ug/ml

(f)=RT Delta > 1/2 Window

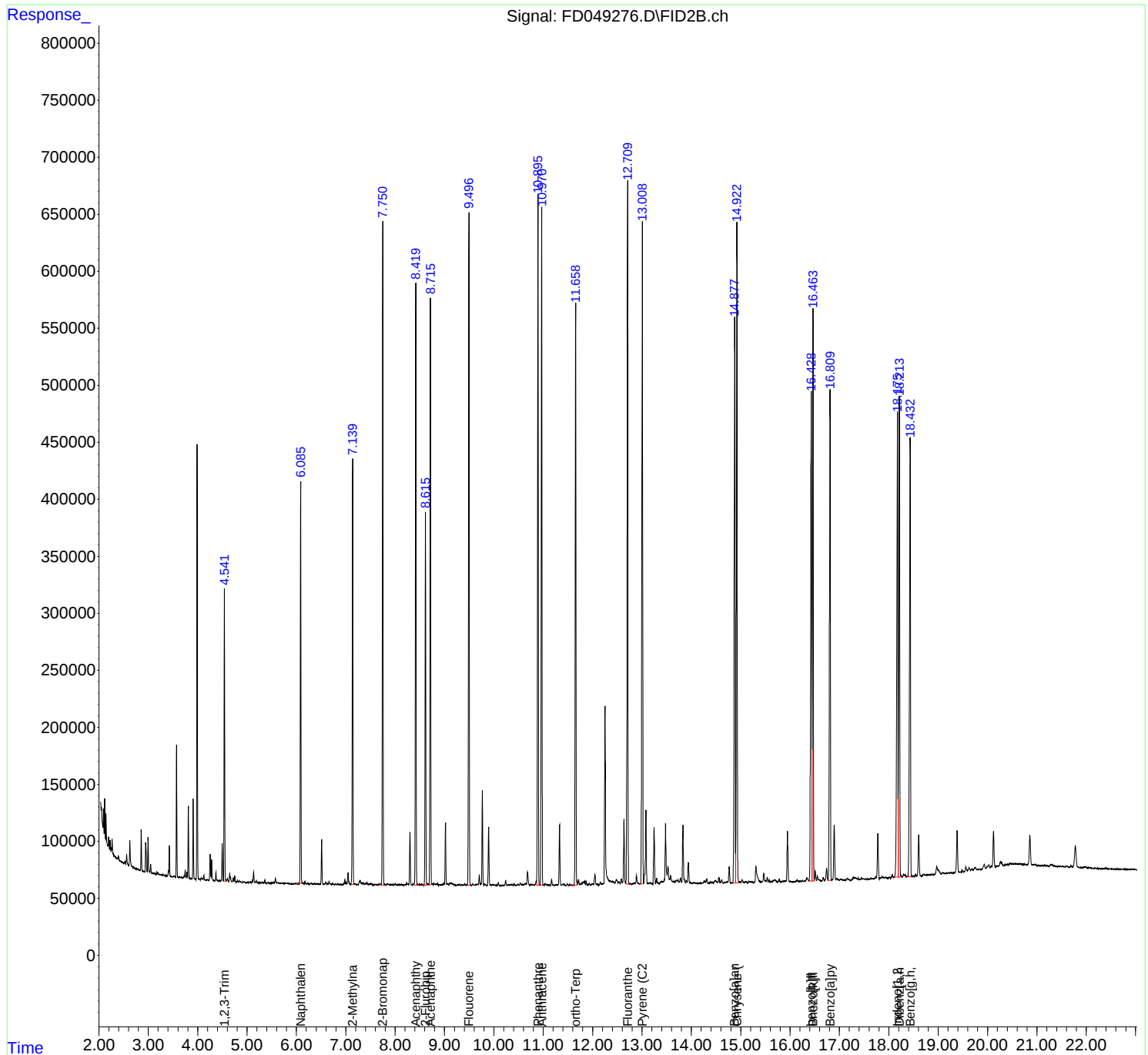
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD041025AR\
Data File : FD049276.D
Signal(s) : FID2B.ch
Acq On : 10 Apr 2025 19:07
Operator : YP/AJ
Sample : Q1746-01MS
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
B-149-SB01MS

Integration File: autoint1.e
Quant Time: Apr 11 01:05:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 05:25:12 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD041025AR\
 Data File : FD049276.D
 Signal(s) : FID2B.ch
 Acq On : 10 Apr 2025 19:07
 Sample : Q1746-01MS
 Misc :
 ALS Vial : 68 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.M
 Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.073	4.042	4.086	BV	1590	12825	0.18%	0.009%
2	4.098	4.086	4.111	VV	1333	13210	0.19%	0.009%
3	4.126	4.111	4.175	VV	3992	37866	0.54%	0.026%
4	4.190	4.175	4.217	PV	494	6815	0.10%	0.005%
5	4.253	4.227	4.269	VV	23066	252123	3.61%	0.174%
6	4.283	4.269	4.319	VV	18477	175339	2.51%	0.121%
7	4.321	4.319	4.332	VV	357	1311	0.02%	0.001%
8	4.369	4.342	4.408	VV	7575	68736	0.98%	0.047%
9	4.413	4.408	4.424	VV	191	1010	0.01%	0.001%
10	4.432	4.424	4.440	PV	238	1207	0.02%	0.001%
11	4.455	4.440	4.472	VV	487	5280	0.08%	0.004%
12	4.497	4.472	4.518	VV	32928	295672	4.24%	0.203%
13	4.541	4.518	4.580	VV	257174	2239790	32.09%	1.541%
14	4.604	4.580	4.627	VV	2193	35335	0.51%	0.024%
15	4.648	4.627	4.660	VV	6863	69796	1.00%	0.048%
16	4.665	4.660	4.694	VV	3915	34940	0.50%	0.024%
17	4.722	4.694	4.736	VV	3334	34563	0.50%	0.024%
18	4.752	4.736	4.779	VV	5404	49716	0.71%	0.034%
19	4.788	4.779	4.791	PV	268	1044	0.01%	0.001%
20	4.804	4.791	4.820	VV	1686	14665	0.21%	0.010%
21	4.840	4.820	4.866	VV	1674	21049	0.30%	0.014%
22	4.871	4.866	4.880	VV	601	4401	0.06%	0.003%
23	4.885	4.880	4.908	VV	535	5399	0.08%	0.004%
24	4.915	4.908	4.925	VV	401	2700	0.04%	0.002%
25	4.944	4.925	4.993	VV	751	11609	0.17%	0.008%
26	5.006	4.993	5.019	PV	303	2866	0.04%	0.002%
27	5.023	5.019	5.035	VV	239	1579	0.02%	0.001%
28	5.058	5.035	5.084	VV	782	12919	0.19%	0.009%
29	5.106	5.084	5.116	VV	2493	26349	0.38%	0.018%
30	5.133	5.116	5.165	VV	9664	108627	1.56%	0.075%
31	5.190	5.165	5.208	VV	1896	24906	0.36%	0.017%
32	5.213	5.208	5.224	VV	302	1973	0.03%	0.001%
33	5.255	5.224	5.272	VV	613	9934	0.14%	0.007%
34	5.307	5.272	5.313	VV	652	8838	0.13%	0.006%
35	5.324	5.313	5.344	VV	799	10291	0.15%	0.007%
36	5.359	5.344	5.399	VV	2808	32985	0.47%	0.023%

rteres									
37	5.419	5.399	5.431	VV	499	5964	0.09%	0.004%	
38	5.436	5.431	5.473	VV	353	4674	0.07%	0.003%	
39	5.499	5.473	5.512	PV	652	6995	0.10%	0.005%	
40	5.534	5.512	5.552	VV	1307	14227	0.20%	0.010%	
41	5.575	5.552	5.618	VV	4693	63595	0.91%	0.044%	
42	5.632	5.618	5.667	VV	1098	16294	0.23%	0.011%	
43	5.699	5.667	5.748	VV	813	21588	0.31%	0.015%	
44	5.774	5.748	5.795	VV	636	9634	0.14%	0.007%	
45	5.801	5.795	5.804	VV	226	1019	0.01%	0.001%	
46	5.820	5.804	5.840	VV	559	7721	0.11%	0.005%	
47	5.846	5.840	5.849	VV	296	1098	0.02%	0.001%	
48	5.855	5.849	5.865	VV	334	2305	0.03%	0.002%	
49	5.870	5.865	5.904	VV	323	3961	0.06%	0.003%	
50	5.910	5.904	5.930	VV	288	1712	0.02%	0.001%	
51	5.939	5.930	5.956	PV	364	3591	0.05%	0.002%	
52	5.962	5.956	5.975	VV	268	2329	0.03%	0.002%	
53	5.984	5.975	5.988	VV	392	2369	0.03%	0.002%	
54	5.994	5.988	6.015	VV	573	4704	0.07%	0.003%	
55	6.021	6.015	6.045	VV	445	6303	0.09%	0.004%	
56	6.086	6.045	6.117	VV	353130	3205088	45.92%	2.206%	
57	6.131	6.117	6.155	VV	1428	19849	0.28%	0.014%	
58	6.173	6.155	6.212	VV	2286	30638	0.44%	0.021%	
59	6.231	6.212	6.273	VV	740	15924	0.23%	0.011%	
60	6.304	6.273	6.343	VV	903	18215	0.26%	0.013%	
61	6.347	6.343	6.350	VV	320	1197	0.02%	0.001%	
62	6.364	6.350	6.386	VV	838	11857	0.17%	0.008%	
63	6.390	6.386	6.412	VV	429	5425	0.08%	0.004%	
64	6.416	6.412	6.422	VV	350	1588	0.02%	0.001%	
65	6.426	6.422	6.432	VV	315	1380	0.02%	0.001%	
66	6.438	6.432	6.445	VV	346	1785	0.03%	0.001%	
67	6.461	6.445	6.487	VV	321	5365	0.08%	0.004%	
68	6.512	6.487	6.560	VV	39583	387583	5.55%	0.267%	
69	6.562	6.560	6.567	VV	508	1531	0.02%	0.001%	
70	6.595	6.567	6.616	VV	1887	26731	0.38%	0.018%	
71	6.633	6.616	6.647	VV	1135	12169	0.17%	0.008%	
72	6.661	6.647	6.681	VV	3050	33834	0.48%	0.023%	
73	6.692	6.681	6.716	VV	922	11412	0.16%	0.008%	
74	6.733	6.716	6.753	VV	1503	17535	0.25%	0.012%	
75	6.766	6.753	6.775	VV	518	4390	0.06%	0.003%	
76	6.790	6.775	6.816	VV	583	8069	0.12%	0.006%	
77	6.838	6.816	6.852	VV	600	7828	0.11%	0.005%	
78	6.887	6.852	6.901	VV	415	8580	0.12%	0.006%	
79	6.908	6.901	6.927	VV	398	2725	0.04%	0.002%	
80	6.954	6.927	6.967	PV	1169	15023	0.22%	0.010%	
81	6.981	6.967	6.994	VV	4534	42925	0.61%	0.030%	
82	7.006	6.994	7.028	VV	2103	31674	0.45%	0.022%	
83	7.047	7.028	7.102	VV	10905	138968	1.99%	0.096%	
84	7.139	7.102	7.174	VV	373824	3566626	51.10%	2.455%	
85	7.185	7.174	7.210	VV	962	15265	0.22%	0.011%	
86	7.224	7.210	7.233	VV	656	7212	0.10%	0.005%	
87	7.241	7.233	7.258	VV	719	7897	0.11%	0.005%	
88	7.277	7.258	7.283	VV	3227	30760	0.44%	0.021%	
89	7.294	7.283	7.313	VV	4004	47824	0.69%	0.033%	

					rterres			
90	7.329	7.313	7.342	VV	2206	27684	0.40%	0.019%
91	7.355	7.342	7.385	VV	1768	30586	0.44%	0.021%
92	7.403	7.385	7.416	VV	1839	21622	0.31%	0.015%
93	7.430	7.416	7.454	VV	2104	26840	0.38%	0.018%
94	7.478	7.454	7.486	VV	923	13083	0.19%	0.009%
95	7.498	7.486	7.508	VV	1130	12788	0.18%	0.009%
96	7.525	7.508	7.545	VV	1520	20523	0.29%	0.014%
97	7.550	7.545	7.566	VV	330	2861	0.04%	0.002%
98	7.573	7.566	7.583	VV	334	2712	0.04%	0.002%
99	7.589	7.583	7.598	VV	473	3009	0.04%	0.002%
100	7.607	7.598	7.627	VV	620	7106	0.10%	0.005%
101	7.634	7.627	7.639	VV	369	1829	0.03%	0.001%
102	7.648	7.639	7.653	VV	554	3387	0.05%	0.002%
103	7.660	7.653	7.678	VV	765	7078	0.10%	0.005%
104	7.694	7.678	7.713	VV	1607	19387	0.28%	0.013%
105	7.750	7.713	7.795	VV	582343	5522516	79.12%	3.801%
106	7.798	7.795	7.814	VV	439	3275	0.05%	0.002%
107	7.839	7.814	7.850	VV	1026	14467	0.21%	0.010%
108	7.859	7.850	7.878	VV	1073	12191	0.17%	0.008%
109	7.889	7.878	7.904	VV	541	6209	0.09%	0.004%
110	7.922	7.904	7.935	VV	434	5543	0.08%	0.004%
111	7.956	7.935	7.980	VV	695	8797	0.13%	0.006%
112	7.998	7.980	8.020	VV	1438	16945	0.24%	0.012%
113	8.024	8.020	8.039	VV	528	3926	0.06%	0.003%
114	8.055	8.039	8.072	VV	654	6657	0.10%	0.005%
115	8.090	8.072	8.100	VV	553	6456	0.09%	0.004%
116	8.111	8.100	8.120	VV	560	5383	0.08%	0.004%
117	8.127	8.120	8.160	VV	679	6990	0.10%	0.005%
118	8.209	8.160	8.218	VV	825	12473	0.18%	0.009%
119	8.233	8.218	8.246	VV	1728	18300	0.26%	0.013%
120	8.260	8.246	8.276	VV	1301	15762	0.23%	0.011%
121	8.301	8.276	8.328	VV	46557	480432	6.88%	0.331%
122	8.333	8.328	8.348	VV	567	4502	0.06%	0.003%
123	8.365	8.348	8.380	VV	1542	17224	0.25%	0.012%
124	8.419	8.380	8.479	VV	526435	5117568	73.32%	3.522%
125	8.493	8.479	8.498	VV	799	6861	0.10%	0.005%
126	8.506	8.498	8.522	VV	887	8811	0.13%	0.006%
127	8.534	8.522	8.551	VV	764	9141	0.13%	0.006%
128	8.557	8.551	8.573	VV	279	2537	0.04%	0.002%
129	8.615	8.573	8.642	VV	326991	3198495	45.82%	2.201%
130	8.668	8.642	8.684	VV	1332	22695	0.33%	0.016%
131	8.715	8.684	8.747	VV	514972	5110864	73.22%	3.517%
132	8.758	8.747	8.775	VV	1379	19606	0.28%	0.013%
133	8.789	8.775	8.803	VV	1424	18980	0.27%	0.013%
134	8.809	8.803	8.823	VV	1161	11265	0.16%	0.008%
135	8.838	8.823	8.847	VV	1373	15610	0.22%	0.011%
136	8.860	8.847	8.880	VV	1523	18625	0.27%	0.013%
137	8.903	8.880	8.918	VV	778	9934	0.14%	0.007%
138	8.926	8.918	8.938	VV	590	5187	0.07%	0.004%
139	8.952	8.938	8.968	VV	989	11132	0.16%	0.008%
140	8.981	8.968	8.997	VV	2099	22028	0.32%	0.015%
141	9.021	8.997	9.046	VV	54824	549418	7.87%	0.378%

					rteres			
142	9.054	9.046	9.089	VV	1434	24974	0.36%	0.017%
143	9.107	9.089	9.112	VV	2047	18983	0.27%	0.013%
144	9.115	9.112	9.127	VV	2051	15761	0.23%	0.011%
145	9.138	9.127	9.167	VV	2429	39988	0.57%	0.028%
146	9.174	9.167	9.194	VV	1521	15561	0.22%	0.011%
147	9.207	9.194	9.229	VV	707	8848	0.13%	0.006%
148	9.271	9.229	9.289	PV	830	12613	0.18%	0.009%
149	9.305	9.289	9.329	VV	1124	13388	0.19%	0.009%
150	9.343	9.329	9.352	VV	682	7231	0.10%	0.005%
151	9.358	9.352	9.380	VV	676	6713	0.10%	0.005%
152	9.386	9.380	9.390	VV	339	1682	0.02%	0.001%
153	9.407	9.390	9.436	VV	1309	21282	0.30%	0.015%
154	9.452	9.436	9.463	VV	549	6558	0.09%	0.005%
155	9.496	9.463	9.552	VV	591745	5970397	85.54%	4.109%
156	9.573	9.552	9.600	VV	1458	20706	0.30%	0.014%
157	9.625	9.600	9.633	VV	765	11002	0.16%	0.008%
158	9.640	9.633	9.653	VV	734	8296	0.12%	0.006%
159	9.666	9.653	9.685	VV	1413	19367	0.28%	0.013%
160	9.705	9.685	9.725	VV	9010	98873	1.42%	0.068%
161	9.736	9.725	9.745	VV	2074	18691	0.27%	0.013%
162	9.768	9.745	9.797	VV	83088	827439	11.85%	0.569%
163	9.812	9.797	9.850	VV	1459	25902	0.37%	0.018%
164	9.895	9.850	9.926	VV	51203	570081	8.17%	0.392%
165	9.935	9.926	9.954	VV	706	7462	0.11%	0.005%
166	9.974	9.954	9.987	VV	917	12495	0.18%	0.009%
167	10.000	9.987	10.048	VV	740	16000	0.23%	0.011%
168	10.065	10.048	10.070	VV	615	5260	0.08%	0.004%
169	10.092	10.070	10.119	VV	2497	29885	0.43%	0.021%
170	10.129	10.119	10.155	PV	193	2050	0.03%	0.001%
171	10.180	10.155	10.188	PV	450	4291	0.06%	0.003%
172	10.193	10.188	10.200	VV	179	1175	0.02%	0.001%
173	10.206	10.200	10.211	VV	316	1832	0.03%	0.001%
174	10.240	10.211	10.274	VV	4505	57701	0.83%	0.040%
175	10.288	10.274	10.308	VV	887	12318	0.18%	0.008%
176	10.339	10.308	10.359	VV	884	20028	0.29%	0.014%
177	10.369	10.359	10.390	VV	1103	14021	0.20%	0.010%
178	10.416	10.390	10.446	VV	1274	22242	0.32%	0.015%
179	10.451	10.446	10.457	VV	325	2062	0.03%	0.001%
180	10.487	10.457	10.514	VV	1046	23290	0.33%	0.016%
181	10.537	10.514	10.568	VV	2487	39502	0.57%	0.027%
182	10.576	10.568	10.580	VV	770	5090	0.07%	0.004%
183	10.586	10.580	10.603	VV	948	9673	0.14%	0.007%
184	10.628	10.603	10.643	VV	1841	28365	0.41%	0.020%
185	10.654	10.643	10.664	VV	1605	16983	0.24%	0.012%
186	10.683	10.664	10.728	VV	11874	183093	2.62%	0.126%
187	10.764	10.728	10.782	VV	1225	26043	0.37%	0.018%
188	10.789	10.782	10.810	VV	908	10246	0.15%	0.007%
189	10.857	10.810	10.865	VV	3981	53012	0.76%	0.036%
190	10.895	10.865	10.933	VV	606745	6476751	92.79%	4.457%
191	10.970	10.933	11.012	VV	595420	6214362	89.03%	4.277%
192	11.041	11.012	11.079	VV	1362	33222	0.48%	0.023%
193	11.084	11.079	11.116	VV	696	8349	0.12%	0.006%
194	11.135	11.116	11.148	VV	356	4196	0.06%	0.003%

					rteres			
195	11.171	11.148	11.217	VV	5927	68245	0.98%	0.047%
196	11.224	11.217	11.230	VV	333	1966	0.03%	0.001%
197	11.236	11.230	11.240	VV	397	2199	0.03%	0.002%
198	11.265	11.240	11.282	VV	694	13476	0.19%	0.009%
199	11.291	11.282	11.298	VV	548	4176	0.06%	0.003%
200	11.332	11.298	11.359	VV	53254	589693	8.45%	0.406%
201	11.407	11.359	11.454	VV	1241	40246	0.58%	0.028%
202	11.490	11.463	11.506	VV	1292	17566	0.25%	0.012%
203	11.533	11.506	11.538	VV	720	8453	0.12%	0.006%
204	11.542	11.538	11.563	VV	637	4222	0.06%	0.003%
205	11.576	11.563	11.592	VV	718	6833	0.10%	0.005%
206	11.658	11.592	11.682	PV	512741	5516751	79.04%	3.797%
207	11.689	11.682	11.703	VV	3620	32113	0.46%	0.022%
208	11.719	11.703	11.740	VV	4817	57323	0.82%	0.039%
209	11.757	11.740	11.767	VV	1060	15454	0.22%	0.011%
210	11.784	11.767	11.795	VV	2540	32292	0.46%	0.022%
211	11.805	11.795	11.823	VV	3023	43965	0.63%	0.030%
212	11.836	11.823	11.852	VV	3922	44445	0.64%	0.031%
213	11.867	11.852	11.897	VV	3821	45537	0.65%	0.031%
214	11.906	11.897	11.912	VV	456	2353	0.03%	0.002%
215	11.931	11.912	11.958	VV	1530	22019	0.32%	0.015%
216	11.999	11.958	12.016	VV	1409	30334	0.43%	0.021%
217	12.049	12.016	12.080	VV	9373	147340	2.11%	0.101%
218	12.093	12.080	12.114	VV	1259	15754	0.23%	0.011%
219	12.158	12.114	12.175	PV	2836	41319	0.59%	0.028%
220	12.218	12.175	12.225	VV	1524	34797	0.50%	0.024%
221	12.253	12.225	12.353	VV	156944	2151951	30.83%	1.481%
222	12.357	12.353	12.373	VV	3461	37701	0.54%	0.026%
223	12.383	12.373	12.395	VV	3035	36716	0.53%	0.025%
224	12.404	12.395	12.421	VV	3050	44009	0.63%	0.030%
225	12.426	12.421	12.445	VV	2609	32599	0.47%	0.022%
226	12.478	12.445	12.520	VV	4721	136631	1.96%	0.094%
227	12.533	12.520	12.555	VV	3055	46203	0.66%	0.032%
228	12.584	12.555	12.604	VV	5125	86949	1.25%	0.060%
229	12.636	12.604	12.672	VV	57441	729316	10.45%	0.502%
230	12.709	12.672	12.783	VV	614120	6979819	100.00%	4.803%
231	12.801	12.783	12.813	VV	765	10721	0.15%	0.007%
232	12.839	12.813	12.847	VV	1355	20505	0.29%	0.014%
233	12.859	12.847	12.867	VV	1409	14999	0.21%	0.010%
234	12.888	12.867	12.932	VV	8097	121463	1.74%	0.084%
235	12.936	12.932	12.953	VV	1074	11058	0.16%	0.008%
236	12.957	12.953	12.967	VV	833	5869	0.08%	0.004%
237	13.008	12.967	13.034	VV	580090	6710982	96.15%	4.618%
238	13.080	13.034	13.113	VV	65170	872456	12.50%	0.600%
239	13.134	13.113	13.143	VV	1321	20254	0.29%	0.014%
240	13.148	13.143	13.156	VV	1383	9115	0.13%	0.006%
241	13.170	13.156	13.193	VV	1770	26495	0.38%	0.018%
242	13.200	13.193	13.219	VV	638	7538	0.11%	0.005%
243	13.245	13.219	13.278	VV	49650	620982	8.90%	0.427%
244	13.298	13.278	13.317	VV	5429	70806	1.01%	0.049%
245	13.329	13.317	13.348	VV	1417	18653	0.27%	0.013%
246	13.391	13.348	13.407	VV	2760	62049	0.89%	0.043%

					rteres			
247	13.419	13.407	13.432	VV	2459	33591	0.48%	0.023%
248	13.477	13.432	13.508	VV	53076	725674	10.40%	0.499%
249	13.527	13.508	13.556	VV	15750	270388	3.87%	0.186%
250	13.581	13.556	13.635	VV	7500	193644	2.77%	0.133%
251	13.650	13.635	13.672	VV	2709	47788	0.68%	0.033%
252	13.694	13.672	13.713	VV	3446	67225	0.96%	0.046%
253	13.729	13.713	13.749	VV	4054	60247	0.86%	0.041%
254	13.781	13.749	13.802	VV	5123	93634	1.34%	0.064%
255	13.830	13.802	13.880	VV	51609	695353	9.96%	0.479%
256	13.900	13.880	13.915	VV	3332	45138	0.65%	0.031%
257	13.939	13.915	13.964	VV	18950	236932	3.39%	0.163%
258	13.971	13.964	13.990	VV	1199	14338	0.21%	0.010%
259	14.006	13.990	14.024	VV	822	12689	0.18%	0.009%
260	14.060	14.024	14.100	VV	1159	32944	0.47%	0.023%
261	14.108	14.100	14.130	VV	731	7638	0.11%	0.005%
262	14.133	14.130	14.150	VV	345	3071	0.04%	0.002%
263	14.164	14.150	14.177	VV	676	8387	0.12%	0.006%
264	14.180	14.177	14.184	VV	499	2202	0.03%	0.002%
265	14.190	14.184	14.208	VV	647	6456	0.09%	0.004%
266	14.221	14.208	14.231	VV	799	8561	0.12%	0.006%
267	14.267	14.231	14.292	VV	2624	56592	0.81%	0.039%
268	14.311	14.292	14.345	VV	4301	65705	0.94%	0.045%
269	14.361	14.345	14.370	VV	767	9590	0.14%	0.007%
270	14.393	14.370	14.405	VV	1176	19733	0.28%	0.014%
271	14.414	14.405	14.446	VV	1368	23609	0.34%	0.016%
272	14.493	14.446	14.516	VV	2813	72750	1.04%	0.050%
273	14.524	14.516	14.535	VV	1181	12668	0.18%	0.009%
274	14.557	14.535	14.577	VV	5562	68945	0.99%	0.047%
275	14.613	14.577	14.649	VV	3464	63450	0.91%	0.044%
276	14.679	14.649	14.703	VV	1036	23165	0.33%	0.016%
277	14.721	14.703	14.727	VV	1164	14406	0.21%	0.010%
278	14.766	14.727	14.807	VV	14875	202704	2.90%	0.139%
279	14.812	14.807	14.833	VV	699	7420	0.11%	0.005%
280	14.877	14.833	14.896	VV	495854	6268513	89.81%	4.314%
281	14.922	14.896	14.989	VV	579672	6812334	97.60%	4.688%
282	15.027	14.989	15.080	VV	3074	68945	0.99%	0.047%
283	15.104	15.080	15.141	VV	1361	28551	0.41%	0.020%
284	15.168	15.141	15.176	PV	1568	17984	0.26%	0.012%
285	15.181	15.176	15.197	VV	1208	13444	0.19%	0.009%
286	15.203	15.197	15.258	VV	1186	26940	0.39%	0.019%
287	15.308	15.258	15.412	VV	14201	372275	5.33%	0.256%
288	15.415	15.412	15.427	VV	679	5610	0.08%	0.004%
289	15.467	15.427	15.488	VV	7891	119742	1.72%	0.082%
290	15.494	15.488	15.500	VV	1573	10040	0.14%	0.007%
291	15.502	15.500	15.516	VV	1500	12647	0.18%	0.009%
292	15.536	15.516	15.558	VV	4417	59358	0.85%	0.041%
293	15.574	15.558	15.601	VV	2313	31799	0.46%	0.022%
294	15.618	15.601	15.625	VV	948	10745	0.15%	0.007%
295	15.674	15.625	15.690	VV	2337	55494	0.80%	0.038%
296	15.698	15.690	15.731	VV	2161	33206	0.48%	0.023%
297	15.736	15.731	15.741	VV	521	2343	0.03%	0.002%
298	15.745	15.741	15.754	VV	444	3554	0.05%	0.002%
299	15.778	15.754	15.806	VV	2652	40381	0.58%	0.028%

					rteres			
300	15.816	15.806	15.832	VV	722	8213	0.12%	0.006%
301	15.857	15.832	15.871	VV	1314	19386	0.28%	0.013%
302	15.887	15.871	15.914	VV	1093	21895	0.31%	0.015%
303	15.947	15.914	15.990	VV	44795	579960	8.31%	0.399%
304	16.006	15.990	16.024	VV	723	9104	0.13%	0.006%
305	16.038	16.024	16.058	VV	310	2813	0.04%	0.002%
306	16.064	16.058	16.095	VV	270	3242	0.05%	0.002%
307	16.145	16.095	16.189	VV	1614	36428	0.52%	0.025%
308	16.201	16.189	16.219	PV	591	7027	0.10%	0.005%
309	16.250	16.219	16.269	VV	881	16857	0.24%	0.012%
310	16.285	16.269	16.300	VV	631	8257	0.12%	0.006%
311	16.345	16.300	16.378	VV	3025	74811	1.07%	0.051%
312	16.428	16.378	16.443	VV	429509	6023826	86.30%	4.146%
313	16.463	16.443	16.487	VV	501851	5860145	83.96%	4.033%
314	16.509	16.487	16.532	VV	8692	116510	1.67%	0.080%
315	16.553	16.532	16.579	VV	4228	67603	0.97%	0.047%
316	16.583	16.579	16.638	VV	1317	24117	0.35%	0.017%
317	16.669	16.638	16.689	VV	3267	43911	0.63%	0.030%
318	16.738	16.689	16.767	VV	11355	186960	2.68%	0.129%
319	16.809	16.767	16.839	VV	431780	5617329	80.48%	3.866%
320	16.892	16.839	16.927	VV	48913	688322	9.86%	0.474%
321	16.944	16.927	16.957	VV	1862	27473	0.39%	0.019%
322	16.965	16.957	16.988	VV	1462	19986	0.29%	0.014%
323	17.007	16.988	17.015	VV	779	11074	0.16%	0.008%
324	17.036	17.015	17.087	VV	1197	33509	0.48%	0.023%
325	17.097	17.087	17.122	VV	663	8725	0.12%	0.006%
326	17.161	17.122	17.197	VV	1559	43298	0.62%	0.030%
327	17.200	17.197	17.229	VV	749	7015	0.10%	0.005%
328	17.292	17.229	17.307	PV	2411	58368	0.84%	0.040%
329	17.317	17.307	17.324	VV	1898	17991	0.26%	0.012%
330	17.335	17.324	17.357	VV	1968	30834	0.44%	0.021%
331	17.374	17.357	17.399	VV	1445	22983	0.33%	0.016%
332	17.408	17.399	17.421	VV	644	8419	0.12%	0.006%
333	17.449	17.421	17.475	VV	1554	33214	0.48%	0.023%
334	17.493	17.475	17.509	VV	838	12785	0.18%	0.009%
335	17.514	17.509	17.524	VV	520	4375	0.06%	0.003%
336	17.537	17.524	17.549	VV	585	7156	0.10%	0.005%
337	17.567	17.549	17.595	VV	617	10904	0.16%	0.008%
338	17.599	17.595	17.602	VV	383	1217	0.02%	0.001%
339	17.605	17.602	17.611	VV	305	1174	0.02%	0.001%
340	17.638	17.611	17.652	VV	690	11128	0.16%	0.008%
341	17.672	17.652	17.685	VV	649	9065	0.13%	0.006%
342	17.738	17.685	17.744	VV	1686	30620	0.44%	0.021%
343	17.776	17.744	17.808	VV	40024	545370	7.81%	0.375%
344	17.839	17.808	17.845	VV	940	14991	0.21%	0.010%
345	17.864	17.845	17.878	VV	1895	28598	0.41%	0.020%
346	17.887	17.878	17.906	VV	1481	17940	0.26%	0.012%
347	17.926	17.906	17.935	VV	1366	17984	0.26%	0.012%
348	17.940	17.935	17.978	VV	1313	22523	0.32%	0.016%
349	18.012	17.978	18.037	VV	1214	25035	0.36%	0.017%
350	18.069	18.037	18.103	VV	2975	58145	0.83%	0.040%
351	18.174	18.103	18.189	VV	410783	6013271	86.15%	4.138%

					rteres			
352	18.213	18.189	18.273	VV	424330	5511679	78.97%	3.793%
353	18.295	18.273	18.310	VV	3260	46873	0.67%	0.032%
354	18.327	18.310	18.354	VV	3043	52259	0.75%	0.036%
355	18.356	18.354	18.362	VV	1099	5141	0.07%	0.004%
356	18.373	18.362	18.378	VV	995	8935	0.13%	0.006%
357	18.432	18.378	18.479	VV	385009	5598326	80.21%	3.853%
358	18.496	18.479	18.518	VV	1363	25474	0.36%	0.018%
359	18.542	18.518	18.563	VV	2838	45538	0.65%	0.031%
360	18.604	18.563	18.639	VV	37076	545799	7.82%	0.376%
361	18.643	18.639	18.667	VV	1310	16323	0.23%	0.011%
362	18.702	18.667	18.737	VV	2432	69697	1.00%	0.048%
363	18.754	18.737	18.794	VV	1604	50663	0.73%	0.035%
364	18.803	18.794	18.815	VV	1571	18147	0.26%	0.012%
365	18.840	18.815	18.857	VV	1895	38314	0.55%	0.026%
366	18.881	18.857	18.899	VV	1795	39864	0.57%	0.027%
367	18.924	18.899	18.930	VV	1878	30614	0.44%	0.021%
368	18.934	18.930	18.938	VV	1909	8619	0.12%	0.006%
369	18.970	18.938	19.070	VV	7890	343041	4.91%	0.236%
370	19.087	19.070	19.093	VV	2746	35101	0.50%	0.024%
371	19.098	19.093	19.121	VV	2902	41589	0.60%	0.029%
372	19.130	19.121	19.142	VV	2210	26998	0.39%	0.019%
373	19.147	19.142	19.156	VV	2052	17245	0.25%	0.012%
374	19.198	19.156	19.220	VV	2824	86032	1.23%	0.059%
375	19.260	19.220	19.281	VV	2492	82790	1.19%	0.057%
376	19.289	19.281	19.310	VV	2376	39914	0.57%	0.027%
377	19.330	19.310	19.336	VV	2341	34718	0.50%	0.024%
378	19.383	19.336	19.416	VV	39314	657215	9.42%	0.452%
379	19.424	19.416	19.435	VV	2843	30872	0.44%	0.021%
380	19.449	19.435	19.461	VV	2939	43875	0.63%	0.030%
381	19.490	19.461	19.520	VV	4331	115745	1.66%	0.080%
382	19.559	19.520	19.584	VV	7029	173241	2.48%	0.119%
383	19.623	19.584	19.654	VV	6158	195317	2.80%	0.134%
384	19.680	19.654	19.698	VV	4800	116985	1.68%	0.081%
385	19.753	19.698	19.785	VV	5978	251047	3.60%	0.173%
386	19.800	19.785	19.820	VV	4376	89225	1.28%	0.061%
387	19.839	19.820	19.870	VV	4744	129615	1.86%	0.089%
388	19.875	19.870	19.880	VV	4104	23125	0.33%	0.016%
389	19.933	19.880	19.965	VV	8353	308300	4.42%	0.212%
390	20.026	19.965	20.051	VV	7957	326261	4.67%	0.225%
391	20.077	20.051	20.089	VV	6500	138994	1.99%	0.096%
392	20.120	20.089	20.154	VV	37054	667500	9.56%	0.459%
393	20.199	20.154	20.203	VV	6423	186063	2.67%	0.128%
394	20.207	20.203	20.216	VV	6447	46314	0.66%	0.032%
395	20.262	20.216	20.276	VV	10255	290167	4.16%	0.200%
396	20.286	20.276	20.325	VV	9536	228905	3.28%	0.158%
397	20.367	20.325	20.381	VV	7193	235140	3.37%	0.162%
398	20.409	20.381	20.420	VV	7438	168212	2.41%	0.116%
399	20.469	20.420	20.495	VV	8106	349318	5.00%	0.240%
400	20.533	20.495	20.555	VV	7746	274009	3.93%	0.189%
401	20.564	20.555	20.595	VV	7788	182780	2.62%	0.126%
402	20.598	20.595	20.608	VV	7574	59180	0.85%	0.041%
403	20.620	20.608	20.632	VV	7499	103670	1.49%	0.071%
404	20.651	20.632	20.660	VV	7491	125544	1.80%	0.086%

					rterres			
405	20.664	20.660	20.700	VV	7516	169791	2.43%	0.117%
406	20.704	20.700	20.709	VV	6927	33945	0.49%	0.023%
407	20.714	20.709	20.727	VV	6951	76022	1.09%	0.052%
408	20.736	20.727	20.745	VV	6973	71833	1.03%	0.049%
409	20.752	20.745	20.764	VV	6857	78901	1.13%	0.054%
410	20.770	20.764	20.780	VV	6859	63035	0.90%	0.043%
411	20.788	20.780	20.808	VV	6634	108454	1.55%	0.075%
412	20.857	20.808	20.899	VV	31796	771335	11.05%	0.531%
413	20.904	20.899	20.907	VV	5840	28151	0.40%	0.019%
414	20.915	20.907	20.927	VV	6076	72804	1.04%	0.050%
415	20.930	20.927	20.950	VV	6279	86031	1.23%	0.059%
416	20.962	20.950	21.021	VV	6374	241350	3.46%	0.166%
417	21.035	21.021	21.067	VV	5333	141234	2.02%	0.097%
418	21.112	21.067	21.133	VV	5110	193575	2.77%	0.133%
419	21.150	21.133	21.161	VV	5139	81185	1.16%	0.056%
420	21.165	21.161	21.190	VV	4946	83746	1.20%	0.058%
421	21.195	21.190	21.212	VV	4600	57281	0.82%	0.039%
422	21.215	21.212	21.250	VV	4578	100337	1.44%	0.069%
423	21.276	21.250	21.281	VV	5062	88500	1.27%	0.061%
424	21.303	21.281	21.344	VV	5284	178447	2.56%	0.123%
425	21.350	21.344	21.399	VV	4318	131229	1.88%	0.090%
426	21.405	21.399	21.423	VV	3665	50540	0.72%	0.035%
427	21.428	21.423	21.443	VV	3537	40846	0.59%	0.028%
428	21.465	21.443	21.474	VV	3650	65844	0.94%	0.045%
429	21.478	21.474	21.502	VV	3613	54710	0.78%	0.038%
430	21.521	21.502	21.558	VV	3557	108150	1.55%	0.074%
431	21.565	21.558	21.571	VV	2887	23335	0.33%	0.016%
432	21.606	21.571	21.658	VV	3614	152702	2.19%	0.105%
433	21.686	21.658	21.724	VV	3486	107607	1.54%	0.074%
434	21.778	21.724	21.850	VV	20718	580008	8.31%	0.399%
435	21.853	21.850	21.858	VV	1855	8650	0.12%	0.006%
436	21.865	21.858	21.872	VV	1696	13325	0.19%	0.009%
437	21.878	21.872	21.895	VV	1813	22839	0.33%	0.016%
438	21.916	21.895	21.932	VV	1719	35508	0.51%	0.024%
439	21.969	21.932	21.977	VV	1824	44343	0.64%	0.031%
440	21.990	21.977	22.018	VV	1874	38952	0.56%	0.027%
441	22.026	22.018	22.034	VV	1224	10928	0.16%	0.008%
442	22.046	22.034	22.074	VV	1375	26905	0.39%	0.019%
443	22.082	22.074	22.108	VV	954	17007	0.24%	0.012%
444	22.112	22.108	22.146	VV	678	10389	0.15%	0.007%
445	22.171	22.146	22.177	VV	499	6349	0.09%	0.004%
446	22.182	22.177	22.195	VV	441	3094	0.04%	0.002%
Sum of corrected areas:					145307937			

Aromatic EPH 040725.M Fri Apr 11 01:42:09 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD041025AR\
 Data File : FD049277.D
 Signal(s) : FID2B.ch
 Acq On : 10 Apr 2025 19:45
 Operator : YP/AJ
 Sample : Q1746-01MSD
 Misc :
 ALS Vial : 69 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 B-149-SB01MSD

Integration File: autoint1.e
 Quant Time: Apr 11 01:05:24 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 08 05:25:12 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.749	5402290	36.469 ug/ml
Spiked Amount 50.000		Recovery =	72.94%
6) S 2-Fluorobiphenyl (SURR)	8.615	3125160	30.638 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	61.28%
11) S ortho-Terphenyl (SURR)	11.657	5397335	30.635 ug/ml
Spiked Amount 50.000		Recovery =	61.27%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.541	2191469	14.624 ug/ml
2) T Naphthalene (C11.7)	6.085	3107334	18.978 ug/ml
3) T 2-Methylnaphthalene (...)	7.139	3471583	21.463 ug/ml
5) T Acenaphthylene (C15.06)	8.419	4992986	28.267 ug/ml
7) T Acenaphthene (C15.5)	8.715	4962706	28.805 ug/ml
8) T Fluorene (C16.55)	9.496	5818239	33.365 ug/ml
9) T Phenanthrene (C19.36)	10.894	6340780	36.948 ug/ml
10) T Anthracene (C19.43)	10.970	6087215	38.748 ug/ml
12) T Fluoranthene (C21.85)	12.709	6875608	40.677 ug/ml
13) T Pyrene (C20.8)	13.008	6637585	39.576 ug/ml
14) T Benzo[a]anthracene (C...	14.878	6247616	43.463 ug/ml
15) T Chrysene (C27.41)	14.923	6757556	46.832 ug/ml
16) T benzo[b]fluoranthene ...	16.428	5992863	43.076 ug/ml
17) T Bnezo[k]fluoranthene ...	16.464	5821762	42.567 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.808	5577777	42.894 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.174	5942171	48.202 ug/ml
20) T Dibenz[a,h]anthracene...	18.212	5441286	43.032 ug/ml
21) T Benzo[g,h,i]perylene ...	18.432	5514184	42.238 ug/ml

(f)=RT Delta > 1/2 Window

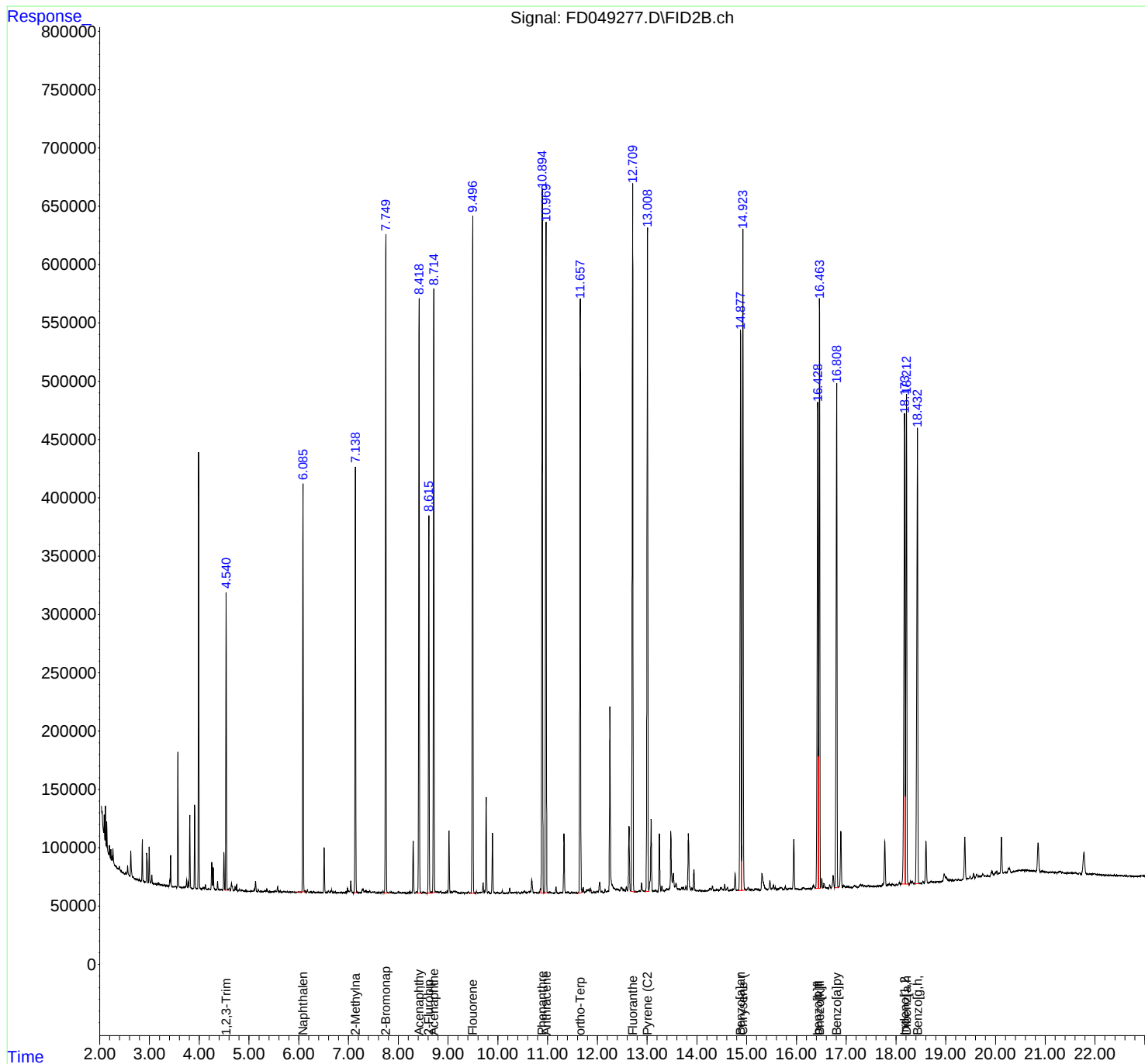
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD041025AR\
Data File : FD049277.D
Signal(s) : FID2B.ch
Acq On : 10 Apr 2025 19:45
Operator : YP/AJ
Sample : Q1746-01MSD
Misc :
ALS Vial : 69 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
B-149-SB01MSD

Integration File: autoint1.e
Quant Time: Apr 11 01:05:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 05:25:12 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD041025AR\
 Data File : FD049277.D
 Signal(s) : FID2B.ch
 Acq On : 10 Apr 2025 19:45
 Sample : Q1746-01MSD
 Misc :
 ALS Vial : 69 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.M
 Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.072	4.042	4.085	BV	1489	11893	0.17%	0.008%
2	4.098	4.085	4.112	VV	1422	13595	0.20%	0.009%
3	4.125	4.112	4.157	VV	3910	35286	0.51%	0.025%
4	4.164	4.157	4.179	PV	290	1438	0.02%	0.001%
5	4.193	4.179	4.217	VV	472	5959	0.09%	0.004%
6	4.252	4.217	4.269	VV	23490	255301	3.69%	0.178%
7	4.283	4.269	4.333	VV	19067	178257	2.58%	0.124%
8	4.342	4.333	4.352	PV	339	2177	0.03%	0.002%
9	4.369	4.352	4.387	VV	7738	63527	0.92%	0.044%
10	4.392	4.387	4.437	VV	601	9748	0.14%	0.007%
11	4.455	4.437	4.474	VV	571	8244	0.12%	0.006%
12	4.497	4.474	4.518	VV	32630	292312	4.23%	0.203%
13	4.541	4.518	4.578	VV	255261	2201519	31.86%	1.532%
14	4.604	4.578	4.626	VV	2222	35587	0.52%	0.025%
15	4.648	4.626	4.660	VV	6859	71628	1.04%	0.050%
16	4.665	4.660	4.692	VV	3940	34036	0.49%	0.024%
17	4.699	4.692	4.705	VV	431	2415	0.03%	0.002%
18	4.721	4.705	4.737	VV	3443	34479	0.50%	0.024%
19	4.751	4.737	4.774	VV	5444	52255	0.76%	0.036%
20	4.804	4.774	4.823	VV	1517	18037	0.26%	0.013%
21	4.839	4.823	4.861	PV	1508	18323	0.27%	0.013%
22	4.867	4.861	4.904	VV	782	11210	0.16%	0.008%
23	4.908	4.904	4.912	VV	321	1224	0.02%	0.001%
24	4.916	4.912	4.925	VV	383	2305	0.03%	0.002%
25	4.940	4.925	4.960	VV	748	8321	0.12%	0.006%
26	4.969	4.960	4.987	VV	313	2035	0.03%	0.001%
27	5.003	4.996	5.014	VV	269	1923	0.03%	0.001%
28	5.022	5.014	5.029	VV	213	1470	0.02%	0.001%
29	5.033	5.029	5.041	VV	291	1762	0.03%	0.001%
30	5.059	5.041	5.081	VV	654	11127	0.16%	0.008%
31	5.106	5.081	5.117	VV	2579	27799	0.40%	0.019%
32	5.133	5.117	5.167	VV	9196	102408	1.48%	0.071%
33	5.189	5.167	5.216	VV	2021	26206	0.38%	0.018%
34	5.220	5.216	5.232	VV	643	4080	0.06%	0.003%
35	5.247	5.232	5.270	VV	633	9200	0.13%	0.006%
36	5.286	5.270	5.290	VV	441	3699	0.05%	0.003%

					rterres			
37	5.324	5.290	5.339	VV	1215	25143	0.36%	0.017%
38	5.359	5.339	5.387	VV	3054	38770	0.56%	0.027%
39	5.425	5.387	5.446	PV	716	17451	0.25%	0.012%
40	5.456	5.446	5.473	VV	623	8313	0.12%	0.006%
41	5.478	5.473	5.490	VV	581	5419	0.08%	0.004%
42	5.500	5.490	5.517	VV	956	12101	0.18%	0.008%
43	5.533	5.517	5.551	VV	1650	21131	0.31%	0.015%
44	5.575	5.551	5.606	VV	5144	67821	0.98%	0.047%
45	5.629	5.606	5.674	VV	1437	28609	0.41%	0.020%
46	5.695	5.674	5.751	VV	940	28625	0.41%	0.020%
47	5.775	5.751	5.810	VV	963	17027	0.25%	0.012%
48	5.830	5.810	5.844	VV	680	9820	0.14%	0.007%
49	5.874	5.844	5.906	VV	638	16846	0.24%	0.012%
50	5.913	5.906	5.949	VV	451	8691	0.13%	0.006%
51	5.977	5.949	5.992	VV	612	10469	0.15%	0.007%
52	5.994	5.992	6.009	VV	550	4359	0.06%	0.003%
53	6.019	6.009	6.027	VV	526	3971	0.06%	0.003%
54	6.035	6.027	6.045	VV	608	4617	0.07%	0.003%
55	6.085	6.045	6.120	VV	349656	3144806	45.51%	2.188%
56	6.130	6.120	6.153	VV	1401	17574	0.25%	0.012%
57	6.173	6.153	6.199	VV	2550	30586	0.44%	0.021%
58	6.231	6.199	6.244	VV	794	13961	0.20%	0.010%
59	6.248	6.244	6.272	VV	624	4927	0.07%	0.003%
60	6.307	6.272	6.334	VV	915	17790	0.26%	0.012%
61	6.337	6.334	6.346	VV	245	1452	0.02%	0.001%
62	6.364	6.346	6.384	VV	857	10601	0.15%	0.007%
63	6.396	6.384	6.415	VV	467	5103	0.07%	0.004%
64	6.430	6.415	6.462	VV	354	5267	0.08%	0.004%
65	6.471	6.462	6.484	PV	126	1482	0.02%	0.001%
66	6.511	6.484	6.543	VV	38962	377705	5.47%	0.263%
67	6.555	6.543	6.569	VV	460	4878	0.07%	0.003%
68	6.595	6.569	6.618	VV	1808	25029	0.36%	0.017%
69	6.630	6.618	6.644	VV	1114	11818	0.17%	0.008%
70	6.661	6.644	6.684	VV	2831	32098	0.46%	0.022%
71	6.694	6.684	6.713	VV	1002	10860	0.16%	0.008%
72	6.733	6.713	6.758	VV	1442	16565	0.24%	0.012%
73	6.771	6.758	6.795	VV	248	4251	0.06%	0.003%
74	6.803	6.795	6.819	VV	279	2251	0.03%	0.002%
75	6.827	6.819	6.835	VV	372	2026	0.03%	0.001%
76	6.838	6.835	6.851	VV	305	1942	0.03%	0.001%
77	6.871	6.851	6.880	VV	361	3423	0.05%	0.002%
78	6.887	6.880	6.900	VV	526	3327	0.05%	0.002%
79	6.907	6.900	6.931	VV	398	4709	0.07%	0.003%
80	6.953	6.931	6.965	VV	1360	14418	0.21%	0.010%
81	6.980	6.965	6.995	VV	4346	40008	0.58%	0.028%
82	7.006	6.995	7.023	VV	1922	23875	0.35%	0.017%
83	7.046	7.023	7.102	VV	10463	127751	1.85%	0.089%
84	7.139	7.102	7.177	VV	365155	3488574	50.49%	2.427%
85	7.184	7.177	7.205	VV	844	10173	0.15%	0.007%
86	7.215	7.205	7.229	VV	514	6092	0.09%	0.004%
87	7.241	7.229	7.254	VV	548	5713	0.08%	0.004%
88	7.276	7.254	7.282	VV	3093	28473	0.41%	0.020%
89	7.294	7.282	7.312	VV	3694	44996	0.65%	0.031%

					rteres			
90	7.330	7.312	7.342	VV	2080	26349	0.38%	0.018%
91	7.354	7.342	7.388	VV	1920	30480	0.44%	0.021%
92	7.402	7.388	7.414	VV	1552	16980	0.25%	0.012%
93	7.430	7.414	7.454	VV	2006	26630	0.39%	0.019%
94	7.472	7.454	7.482	VV	889	11914	0.17%	0.008%
95	7.498	7.482	7.510	VV	1101	15060	0.22%	0.010%
96	7.524	7.510	7.566	VV	1656	22312	0.32%	0.016%
97	7.580	7.566	7.597	VV	506	6134	0.09%	0.004%
98	7.613	7.597	7.625	VV	765	7971	0.12%	0.006%
99	7.630	7.625	7.634	VV	459	1980	0.03%	0.001%
100	7.660	7.634	7.678	VV	728	14495	0.21%	0.010%
101	7.694	7.678	7.712	VV	1888	21774	0.32%	0.015%
102	7.749	7.712	7.800	VV	565900	5412187	78.33%	3.766%
103	7.804	7.800	7.812	VV	434	2308	0.03%	0.002%
104	7.833	7.812	7.849	VV	1187	16820	0.24%	0.012%
105	7.859	7.849	7.876	VV	1248	12278	0.18%	0.009%
106	7.883	7.876	7.902	VV	534	5702	0.08%	0.004%
107	7.917	7.902	7.935	VV	498	4992	0.07%	0.003%
108	7.958	7.935	7.974	VV	442	6288	0.09%	0.004%
109	7.997	7.974	8.040	VV	1537	27007	0.39%	0.019%
110	8.055	8.040	8.072	VV	610	7646	0.11%	0.005%
111	8.085	8.072	8.100	VV	611	7792	0.11%	0.005%
112	8.114	8.100	8.121	VV	739	7805	0.11%	0.005%
113	8.126	8.121	8.169	VV	720	9520	0.14%	0.007%
114	8.200	8.169	8.217	PV	684	12303	0.18%	0.009%
115	8.232	8.217	8.245	VV	1765	19094	0.28%	0.013%
116	8.258	8.245	8.274	VV	1221	14101	0.20%	0.010%
117	8.300	8.274	8.327	VV	44869	471776	6.83%	0.328%
118	8.334	8.327	8.343	VV	427	3216	0.05%	0.002%
119	8.364	8.343	8.379	VV	1632	18217	0.26%	0.013%
120	8.419	8.379	8.475	VV	510073	5002227	72.39%	3.481%
121	8.499	8.475	8.522	VV	1025	17395	0.25%	0.012%
122	8.536	8.522	8.557	VV	829	11103	0.16%	0.008%
123	8.562	8.557	8.577	VV	266	2184	0.03%	0.002%
124	8.615	8.577	8.655	VV	323963	3138040	45.41%	2.183%
125	8.666	8.655	8.681	VV	1332	14467	0.21%	0.010%
126	8.715	8.681	8.744	VV	519156	4988204	72.19%	3.471%
127	8.760	8.744	8.775	VV	1568	22807	0.33%	0.016%
128	8.788	8.775	8.804	VV	1385	19299	0.28%	0.013%
129	8.810	8.804	8.817	VV	1131	8134	0.12%	0.006%
130	8.819	8.817	8.822	VV	1037	3005	0.04%	0.002%
131	8.838	8.822	8.843	VV	1348	14958	0.22%	0.010%
132	8.858	8.843	8.880	VV	1583	22309	0.32%	0.016%
133	8.904	8.880	8.918	VV	783	12181	0.18%	0.008%
134	8.925	8.918	8.937	VV	616	5197	0.08%	0.004%
135	8.951	8.937	8.964	VV	860	10832	0.16%	0.008%
136	8.981	8.964	8.997	VV	2390	25810	0.37%	0.018%
137	9.020	8.997	9.043	VV	53729	541239	7.83%	0.377%
138	9.055	9.043	9.068	VV	1723	20906	0.30%	0.015%
139	9.073	9.068	9.088	VV	1224	11179	0.16%	0.008%
140	9.108	9.088	9.127	VV	1993	35279	0.51%	0.025%
141	9.142	9.127	9.164	VV	2227	37377	0.54%	0.026%

					rteres			
142	9.173	9.164	9.191	VV	1485	16576	0.24%	0.012%
143	9.208	9.191	9.229	VV	706	8546	0.12%	0.006%
144	9.270	9.229	9.287	VV	769	13133	0.19%	0.009%
145	9.306	9.287	9.329	VV	1057	12557	0.18%	0.009%
146	9.344	9.329	9.349	PV	651	4432	0.06%	0.003%
147	9.353	9.349	9.379	VV	646	7617	0.11%	0.005%
148	9.408	9.379	9.437	VV	1356	26429	0.38%	0.018%
149	9.456	9.437	9.462	VV	619	6829	0.10%	0.005%
150	9.496	9.462	9.545	VV	576835	5829034	84.36%	4.056%
151	9.571	9.545	9.603	VV	1376	24989	0.36%	0.017%
152	9.624	9.603	9.633	VV	770	10867	0.16%	0.008%
153	9.664	9.633	9.670	VV	1267	19456	0.28%	0.014%
154	9.671	9.670	9.685	VV	1182	8337	0.12%	0.006%
155	9.705	9.685	9.727	VV	8937	98548	1.43%	0.069%
156	9.738	9.727	9.745	VV	1856	16564	0.24%	0.012%
157	9.767	9.745	9.795	VV	82658	810423	11.73%	0.564%
158	9.814	9.795	9.844	VV	1472	25083	0.36%	0.017%
159	9.849	9.844	9.856	VV	320	1789	0.03%	0.001%
160	9.895	9.856	9.926	VV	51929	559642	8.10%	0.389%
161	9.936	9.926	9.955	VV	713	7793	0.11%	0.005%
162	9.975	9.955	9.990	VV	920	11874	0.17%	0.008%
163	9.999	9.990	10.033	VV	639	10470	0.15%	0.007%
164	10.051	10.033	10.057	VV	299	2968	0.04%	0.002%
165	10.071	10.057	10.077	VV	638	6393	0.09%	0.004%
166	10.092	10.077	10.125	VV	2404	27360	0.40%	0.019%
167	10.128	10.125	10.139	VV	158	1030	0.01%	0.001%
168	10.175	10.155	10.192	PV	531	6213	0.09%	0.004%
169	10.197	10.192	10.207	VV	371	2701	0.04%	0.002%
170	10.240	10.207	10.272	VV	4465	60205	0.87%	0.042%
171	10.293	10.272	10.306	VV	981	12764	0.18%	0.009%
172	10.336	10.306	10.347	VV	989	17235	0.25%	0.012%
173	10.365	10.347	10.393	VV	1059	19758	0.29%	0.014%
174	10.417	10.393	10.438	VV	1372	21140	0.31%	0.015%
175	10.445	10.438	10.459	VV	396	3690	0.05%	0.003%
176	10.486	10.459	10.492	VV	1051	12951	0.19%	0.009%
177	10.496	10.492	10.507	VV	917	6967	0.10%	0.005%
178	10.538	10.507	10.574	VV	2360	47625	0.69%	0.033%
179	10.584	10.574	10.597	VV	937	11030	0.16%	0.008%
180	10.628	10.597	10.642	VV	1901	33084	0.48%	0.023%
181	10.655	10.642	10.662	VV	1760	17150	0.25%	0.012%
182	10.682	10.662	10.736	VV	11889	184945	2.68%	0.129%
183	10.765	10.736	10.783	VV	1115	21043	0.30%	0.015%
184	10.791	10.783	10.809	VV	806	7258	0.11%	0.005%
185	10.835	10.809	10.840	VV	1138	12868	0.19%	0.009%
186	10.857	10.840	10.864	VV	4008	39448	0.57%	0.027%
187	10.894	10.864	10.933	VV	604718	6355277	91.97%	4.422%
188	10.970	10.933	11.010	VV	575600	6108822	88.41%	4.251%
189	11.015	11.010	11.027	VV	749	6340	0.09%	0.004%
190	11.042	11.027	11.070	VV	1305	21998	0.32%	0.015%
191	11.074	11.070	11.101	VV	637	8105	0.12%	0.006%
192	11.133	11.101	11.139	VV	374	5983	0.09%	0.004%
193	11.142	11.139	11.150	VV	352	1794	0.03%	0.001%
194	11.170	11.150	11.214	VV	5791	64279	0.93%	0.045%

					rteres			
195	11.256	11.223	11.270	PV	827	13472	0.19%	0.009%
196	11.273	11.270	11.292	VV	757	7697	0.11%	0.005%
197	11.296	11.292	11.300	VV	598	2695	0.04%	0.002%
198	11.332	11.300	11.362	VV	51254	583941	8.45%	0.406%
199	11.377	11.362	11.382	VV	777	6899	0.10%	0.005%
200	11.405	11.382	11.453	VV	1173	29832	0.43%	0.021%
201	11.489	11.453	11.506	PV	1239	17791	0.26%	0.012%
202	11.532	11.506	11.555	VV	760	13139	0.19%	0.009%
203	11.577	11.555	11.596	VV	693	8101	0.12%	0.006%
204	11.657	11.596	11.682	PV	510328	5407899	78.26%	3.763%
205	11.687	11.682	11.702	VV	3541	31679	0.46%	0.022%
206	11.719	11.702	11.745	VV	4951	61271	0.89%	0.043%
207	11.751	11.745	11.755	VV	991	5791	0.08%	0.004%
208	11.783	11.755	11.793	VV	2477	35008	0.51%	0.024%
209	11.805	11.793	11.821	VV	2827	42002	0.61%	0.029%
210	11.836	11.821	11.850	VV	3727	45341	0.66%	0.032%
211	11.867	11.850	11.891	VV	3853	46530	0.67%	0.032%
212	11.903	11.891	11.910	VV	361	3206	0.05%	0.002%
213	11.931	11.910	11.965	VV	1627	26289	0.38%	0.018%
214	11.999	11.965	12.015	VV	1541	30356	0.44%	0.021%
215	12.048	12.015	12.075	VV	9248	144859	2.10%	0.101%
216	12.091	12.075	12.119	VV	1304	18996	0.27%	0.013%
217	12.156	12.119	12.180	VV	2728	39539	0.57%	0.028%
218	12.220	12.180	12.229	VV	1557	34222	0.50%	0.024%
219	12.254	12.229	12.392	VV	159490	2202689	31.88%	1.533%
220	12.405	12.392	12.421	VV	3027	46668	0.68%	0.032%
221	12.426	12.421	12.449	VV	2457	36563	0.53%	0.025%
222	12.478	12.449	12.517	VV	4680	125377	1.81%	0.087%
223	12.534	12.517	12.558	VV	2893	49218	0.71%	0.034%
224	12.585	12.558	12.607	VV	4803	83751	1.21%	0.058%
225	12.636	12.607	12.669	VV	56823	708003	10.25%	0.493%
226	12.709	12.669	12.753	VV	608240	6909809	100.00%	4.808%
227	12.758	12.753	12.783	VV	679	10595	0.15%	0.007%
228	12.799	12.783	12.815	VV	687	11247	0.16%	0.008%
229	12.836	12.815	12.848	VV	1384	19413	0.28%	0.014%
230	12.860	12.848	12.868	VV	1377	14125	0.20%	0.010%
231	12.889	12.868	12.930	VV	7984	117114	1.69%	0.081%
232	12.935	12.930	12.953	VV	986	12081	0.17%	0.008%
233	12.958	12.953	12.968	VV	833	6930	0.10%	0.005%
234	13.008	12.968	13.034	VV	570884	6662004	96.41%	4.635%
235	13.080	13.034	13.114	VV	62676	856909	12.40%	0.596%
236	13.135	13.114	13.153	VV	1187	22591	0.33%	0.016%
237	13.168	13.153	13.197	VV	1693	26764	0.39%	0.019%
238	13.201	13.197	13.214	VV	579	4610	0.07%	0.003%
239	13.245	13.214	13.278	VV	49997	610844	8.84%	0.425%
240	13.298	13.278	13.317	VV	5251	66013	0.96%	0.046%
241	13.328	13.317	13.346	VV	1325	16118	0.23%	0.011%
242	13.393	13.346	13.408	VV	2689	62683	0.91%	0.044%
243	13.418	13.408	13.435	VV	2271	31750	0.46%	0.022%
244	13.477	13.435	13.508	VV	52057	714563	10.34%	0.497%
245	13.527	13.508	13.553	VV	15968	257068	3.72%	0.179%
246	13.582	13.553	13.632	VV	7319	193856	2.81%	0.135%

					rteres			
247	13.649	13.632	13.668	VV	2483	45729	0.66%	0.032%
248	13.692	13.668	13.714	VV	3445	71407	1.03%	0.050%
249	13.729	13.714	13.750	VV	3941	57921	0.84%	0.040%
250	13.782	13.750	13.801	VV	5093	87135	1.26%	0.061%
251	13.830	13.801	13.881	VV	49726	679354	9.83%	0.473%
252	13.899	13.881	13.915	VV	3080	44685	0.65%	0.031%
253	13.940	13.915	13.992	VV	18486	251467	3.64%	0.175%
254	14.009	13.992	14.024	VV	864	12535	0.18%	0.009%
255	14.064	14.024	14.090	VV	1093	25643	0.37%	0.018%
256	14.102	14.090	14.120	VV	708	8993	0.13%	0.006%
257	14.126	14.120	14.147	VV	486	3977	0.06%	0.003%
258	14.173	14.147	14.187	VV	633	9397	0.14%	0.007%
259	14.268	14.187	14.292	VV	2540	70110	1.01%	0.049%
260	14.312	14.292	14.344	VV	4459	67238	0.97%	0.047%
261	14.393	14.344	14.405	VV	1065	26994	0.39%	0.019%
262	14.421	14.405	14.449	VV	1261	22422	0.32%	0.016%
263	14.494	14.449	14.515	VV	2828	71065	1.03%	0.049%
264	14.522	14.515	14.534	VV	1162	11922	0.17%	0.008%
265	14.558	14.534	14.578	VV	5464	70534	1.02%	0.049%
266	14.612	14.578	14.640	VV	3221	56242	0.81%	0.039%
267	14.682	14.640	14.695	VV	832	16627	0.24%	0.012%
268	14.767	14.695	14.806	VV	14933	218855	3.17%	0.152%
269	14.822	14.806	14.835	VV	645	6996	0.10%	0.005%
270	14.878	14.835	14.896	VV	479461	6253771	90.51%	4.351%
271	14.923	14.896	14.987	VV	570055	6782085	98.15%	4.719%
272	15.029	14.987	15.085	VV	2933	69918	1.01%	0.049%
273	15.101	15.085	15.141	VV	1135	21638	0.31%	0.015%
274	15.166	15.141	15.177	PV	1428	18201	0.26%	0.013%
275	15.184	15.177	15.194	VV	1209	12306	0.18%	0.009%
276	15.202	15.194	15.223	VV	1374	18834	0.27%	0.013%
277	15.228	15.223	15.249	VV	1001	9029	0.13%	0.006%
278	15.253	15.249	15.264	VV	321	1874	0.03%	0.001%
279	15.308	15.264	15.421	VV	14261	378168	5.47%	0.263%
280	15.466	15.421	15.489	VV	7987	127064	1.84%	0.088%
281	15.495	15.489	15.515	VV	1494	22224	0.32%	0.015%
282	15.537	15.515	15.559	VV	4621	63888	0.92%	0.044%
283	15.574	15.559	15.593	VV	2458	31010	0.45%	0.022%
284	15.619	15.593	15.635	VV	886	17561	0.25%	0.012%
285	15.674	15.635	15.689	VV	2426	49133	0.71%	0.034%
286	15.698	15.689	15.739	VV	2207	38168	0.55%	0.027%
287	15.776	15.739	15.815	VV	2651	48730	0.71%	0.034%
288	15.818	15.815	15.826	VV	679	3854	0.06%	0.003%
289	15.857	15.826	15.870	VV	1385	23503	0.34%	0.016%
290	15.883	15.870	15.915	VV	1389	26110	0.38%	0.018%
291	15.946	15.915	15.994	VV	42934	586030	8.48%	0.408%
292	16.009	15.994	16.049	VV	805	15729	0.23%	0.011%
293	16.069	16.057	16.077	PV	283	2240	0.03%	0.002%
294	16.093	16.077	16.098	VV	355	2893	0.04%	0.002%
295	16.147	16.098	16.187	VV	1741	46443	0.67%	0.032%
296	16.202	16.187	16.219	VV	566	8020	0.12%	0.006%
297	16.240	16.219	16.243	VV	737	8245	0.12%	0.006%
298	16.251	16.243	16.274	VV	795	9711	0.14%	0.007%
299	16.288	16.274	16.299	VV	554	6406	0.09%	0.004%

					rteres			
300	16.347	16.299	16.382	VV	2955	74806	1.08%	0.052%
301	16.428	16.382	16.443	VV	416875	6010967	86.99%	4.182%
302	16.464	16.443	16.487	VV	505281	5835842	84.46%	4.061%
303	16.508	16.487	16.531	VV	8750	116074	1.68%	0.081%
304	16.553	16.531	16.578	VV	4390	70559	1.02%	0.049%
305	16.583	16.578	16.604	VV	1324	14600	0.21%	0.010%
306	16.610	16.604	16.634	VV	721	8556	0.12%	0.006%
307	16.668	16.634	16.689	VV	3125	43220	0.63%	0.030%
308	16.738	16.689	16.765	VV	10873	181696	2.63%	0.126%
309	16.808	16.765	16.839	VV	432459	5599806	81.04%	3.896%
310	16.892	16.839	16.922	VV	48683	683704	9.89%	0.476%
311	16.943	16.922	16.956	VV	1763	25858	0.37%	0.018%
312	16.966	16.956	16.989	VV	1305	17417	0.25%	0.012%
313	17.008	16.989	17.019	VV	861	11211	0.16%	0.008%
314	17.040	17.019	17.091	VV	1226	27268	0.39%	0.019%
315	17.102	17.091	17.120	VV	423	3273	0.05%	0.002%
316	17.162	17.120	17.187	VV	1665	36418	0.53%	0.025%
317	17.193	17.187	17.235	VV	820	12660	0.18%	0.009%
318	17.289	17.235	17.309	PV	2403	54850	0.79%	0.038%
319	17.317	17.309	17.356	VV	1829	42334	0.61%	0.029%
320	17.374	17.356	17.398	VV	1436	23233	0.34%	0.016%
321	17.407	17.398	17.412	VV	732	5129	0.07%	0.004%
322	17.418	17.412	17.423	VV	773	4518	0.07%	0.003%
323	17.449	17.423	17.474	VV	1506	27529	0.40%	0.019%
324	17.492	17.474	17.514	VV	647	11293	0.16%	0.008%
325	17.546	17.514	17.553	VV	539	9517	0.14%	0.007%
326	17.564	17.553	17.572	VV	484	4493	0.07%	0.003%
327	17.576	17.572	17.597	VV	378	3663	0.05%	0.003%
328	17.602	17.597	17.608	VV	308	1186	0.02%	0.001%
329	17.628	17.608	17.650	PV	557	9018	0.13%	0.006%
330	17.666	17.650	17.684	VV	543	7864	0.11%	0.005%
331	17.733	17.684	17.739	VV	1467	24582	0.36%	0.017%
332	17.775	17.739	17.807	VV	38709	544302	7.88%	0.379%
333	17.863	17.807	17.881	VV	1685	42567	0.62%	0.030%
334	17.886	17.881	17.907	VV	1199	12366	0.18%	0.009%
335	17.926	17.907	17.984	VV	1500	40046	0.58%	0.028%
336	18.007	17.984	18.039	VV	1066	20352	0.29%	0.014%
337	18.066	18.039	18.095	VV	2748	50234	0.73%	0.035%
338	18.174	18.095	18.188	VV	404221	6004467	86.90%	4.178%
339	18.212	18.188	18.268	VV	421147	5479884	79.31%	3.813%
340	18.294	18.268	18.310	VV	3440	51406	0.74%	0.036%
341	18.328	18.310	18.375	VV	3176	65760	0.95%	0.046%
342	18.432	18.375	18.478	VV	391312	5562721	80.50%	3.871%
343	18.496	18.478	18.517	VV	1234	23089	0.33%	0.016%
344	18.542	18.517	18.565	VV	2723	46368	0.67%	0.032%
345	18.603	18.565	18.661	VV	37064	551478	7.98%	0.384%
346	18.705	18.661	18.730	VV	2300	65988	0.95%	0.046%
347	18.735	18.730	18.747	VV	1573	14766	0.21%	0.010%
348	18.769	18.747	18.795	VV	1540	39306	0.57%	0.027%
349	18.836	18.795	18.860	VV	1825	55807	0.81%	0.039%
350	18.882	18.860	18.892	VV	1618	27531	0.40%	0.019%
351	18.896	18.892	18.902	VV	1248	7075	0.10%	0.005%

					rteres			
352	18.969	18.902	19.006	VV	8063	253979	3.68%	0.177%
353	19.011	19.006	19.050	VV	4920	93066	1.35%	0.065%
354	19.055	19.050	19.066	VV	2451	20654	0.30%	0.014%
355	19.086	19.066	19.090	VV	2843	36055	0.52%	0.025%
356	19.099	19.090	19.127	VV	2650	53768	0.78%	0.037%
357	19.135	19.127	19.154	VV	2292	32487	0.47%	0.023%
358	19.168	19.154	19.174	VV	1991	23407	0.34%	0.016%
359	19.198	19.174	19.225	VV	2724	70411	1.02%	0.049%
360	19.254	19.225	19.283	VV	2511	78473	1.14%	0.055%
361	19.292	19.283	19.307	VV	2286	32077	0.46%	0.022%
362	19.310	19.307	19.315	VV	2195	9765	0.14%	0.007%
363	19.383	19.315	19.414	VV	38810	678076	9.81%	0.472%
364	19.421	19.414	19.440	VV	3089	45381	0.66%	0.032%
365	19.452	19.440	19.465	VV	3097	43408	0.63%	0.030%
366	19.490	19.465	19.522	VV	4660	121062	1.75%	0.084%
367	19.559	19.522	19.590	VV	6889	182508	2.64%	0.127%
368	19.625	19.590	19.652	VV	6021	179623	2.60%	0.125%
369	19.677	19.652	19.695	VV	4737	111916	1.62%	0.078%
370	19.750	19.695	19.777	VV	6126	244968	3.55%	0.170%
371	19.782	19.777	19.789	VV	4304	30412	0.44%	0.021%
372	19.806	19.789	19.823	VV	4614	87192	1.26%	0.061%
373	19.834	19.823	19.862	VV	4629	101466	1.47%	0.071%
374	19.868	19.862	19.873	VV	4280	26627	0.39%	0.019%
375	19.877	19.873	19.881	VV	4160	20365	0.29%	0.014%
376	19.932	19.881	19.968	VV	8500	322729	4.67%	0.225%
377	20.026	19.968	20.059	VV	8280	353626	5.12%	0.246%
378	20.074	20.059	20.087	VV	6546	105833	1.53%	0.074%
379	20.119	20.087	20.152	VV	37287	667286	9.66%	0.464%
380	20.198	20.152	20.229	VV	6972	303569	4.39%	0.211%
381	20.262	20.229	20.276	VV	10428	242538	3.51%	0.169%
382	20.284	20.276	20.325	VV	9528	231097	3.34%	0.161%
383	20.365	20.325	20.375	VV	7178	201857	2.92%	0.140%
384	20.399	20.375	20.410	VV	7255	151588	2.19%	0.105%
385	20.470	20.410	20.500	VV	8142	414791	6.00%	0.289%
386	20.505	20.500	20.525	VV	7806	117768	1.70%	0.082%
387	20.529	20.525	20.534	VV	7703	38398	0.56%	0.027%
388	20.544	20.534	20.555	VV	7922	99116	1.43%	0.069%
389	20.568	20.555	20.580	VV	8056	116857	1.69%	0.081%
390	20.586	20.580	20.592	VV	7626	53220	0.77%	0.037%
391	20.611	20.592	20.631	VV	7517	173231	2.51%	0.121%
392	20.658	20.631	20.694	VV	7673	271754	3.93%	0.189%
393	20.727	20.694	20.737	VV	6955	178894	2.59%	0.124%
394	20.768	20.737	20.774	VV	6848	150872	2.18%	0.105%
395	20.779	20.774	20.784	VV	6816	38890	0.56%	0.027%
396	20.788	20.784	20.811	VV	6713	106216	1.54%	0.074%
397	20.856	20.811	20.912	VV	30640	803645	11.63%	0.559%
398	20.937	20.912	20.943	VV	6114	112781	1.63%	0.078%
399	20.965	20.943	21.007	VV	6213	215905	3.12%	0.150%
400	21.029	21.007	21.064	VV	5378	175667	2.54%	0.122%
401	21.079	21.064	21.084	VV	4887	58833	0.85%	0.041%
402	21.104	21.084	21.128	VV	5017	128274	1.86%	0.089%
403	21.153	21.128	21.190	VV	5021	175624	2.54%	0.122%
404	21.197	21.190	21.240	VV	4504	127261	1.84%	0.089%

					rterres			
405	21.279	21.240	21.287	VV	4953	127271	1.84%	0.089%
406	21.305	21.287	21.335	VV	5074	136279	1.97%	0.095%
407	21.346	21.335	21.402	VV	4314	151627	2.19%	0.106%
408	21.418	21.402	21.428	VV	3674	55495	0.80%	0.039%
409	21.447	21.428	21.462	VV	3572	70452	1.02%	0.049%
410	21.477	21.462	21.500	VV	3583	78275	1.13%	0.054%
411	21.524	21.500	21.567	VV	3496	127736	1.85%	0.089%
412	21.599	21.567	21.657	VV	3434	154511	2.24%	0.108%
413	21.685	21.657	21.716	VV	3196	92702	1.34%	0.065%
414	21.777	21.716	21.882	VV	20345	610685	8.84%	0.425%
415	21.948	21.882	21.960	VV	1577	71527	1.04%	0.050%
416	21.982	21.960	22.024	VV	1970	55105	0.80%	0.038%
417	22.051	22.024	22.170	VV	1126	49172	0.71%	0.034%
Sum of corrected areas:					143719842			

Aromatic EPH 040725.M Fri Apr 11 01:44:01 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041125AL\
 Data File : FC068568.D
 Signal(s) : FID1A.ch
 Acq On : 11 Apr 2025 02:32
 Operator : YP/AJ
 Sample : Q1746-01MSD
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 B-149-SB01MSD

Integration File: autoint1.e
 Quant Time: Apr 11 03:48:23 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 08 17:31:27 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.148	3752451	40.395 ug/ml
Spiked Amount 50.000		Recovery =	80.79%
Target Compounds			
1) T n-Nonane (C9)	3.445	1615097	15.335 ug/ml
2) T n-Decane (C10)	4.520	2053613	19.491 ug/ml
4) T n-Dodecane (C12)	6.545	2675088	25.438 ug/ml
6) T n-Tetradecane (C14)	8.344	3338038	32.470 ug/ml
7) T n-Hexadecane (C16)	9.947	3862004	37.922 ug/ml
8) T n-Octadecane (C18)	11.390	3934684	39.099 ug/ml
10) T n-Eicosane (C20)	12.702	4025090	40.922 ug/ml
11) T n-Heneicosane (C21)	13.315	3854750	39.553 ug/ml
13) T n-Docosane (C22)	13.901	3832142	39.672 ug/ml
14) T n-Tetracosane (C24)	15.006	3919629	41.179 ug/ml
15) T n-Hexacosane (C26)	16.029	3759195	40.246 ug/ml
16) T n-Octacosane (C28)	16.980	3751347	40.973 ug/ml
17) T n-Tricontane (C30)	17.869	3816537	41.515 ug/ml
18) T n-Dotriacontane (C32)	18.702	3791590	41.335 ug/ml
19) T n-Tetratriacontane (C34)	19.488	3787523	42.395 ug/ml
20) T n-Hexatriacontane (C36)	20.229	3683800	41.123 ug/ml
21) T n-Octatriacontane (C38)	21.005	3682580	41.652 ug/ml
22) T n-Tetracontane (C40)	21.985	3559361	40.307 ug/ml

(f)=RT Delta > 1/2 Window

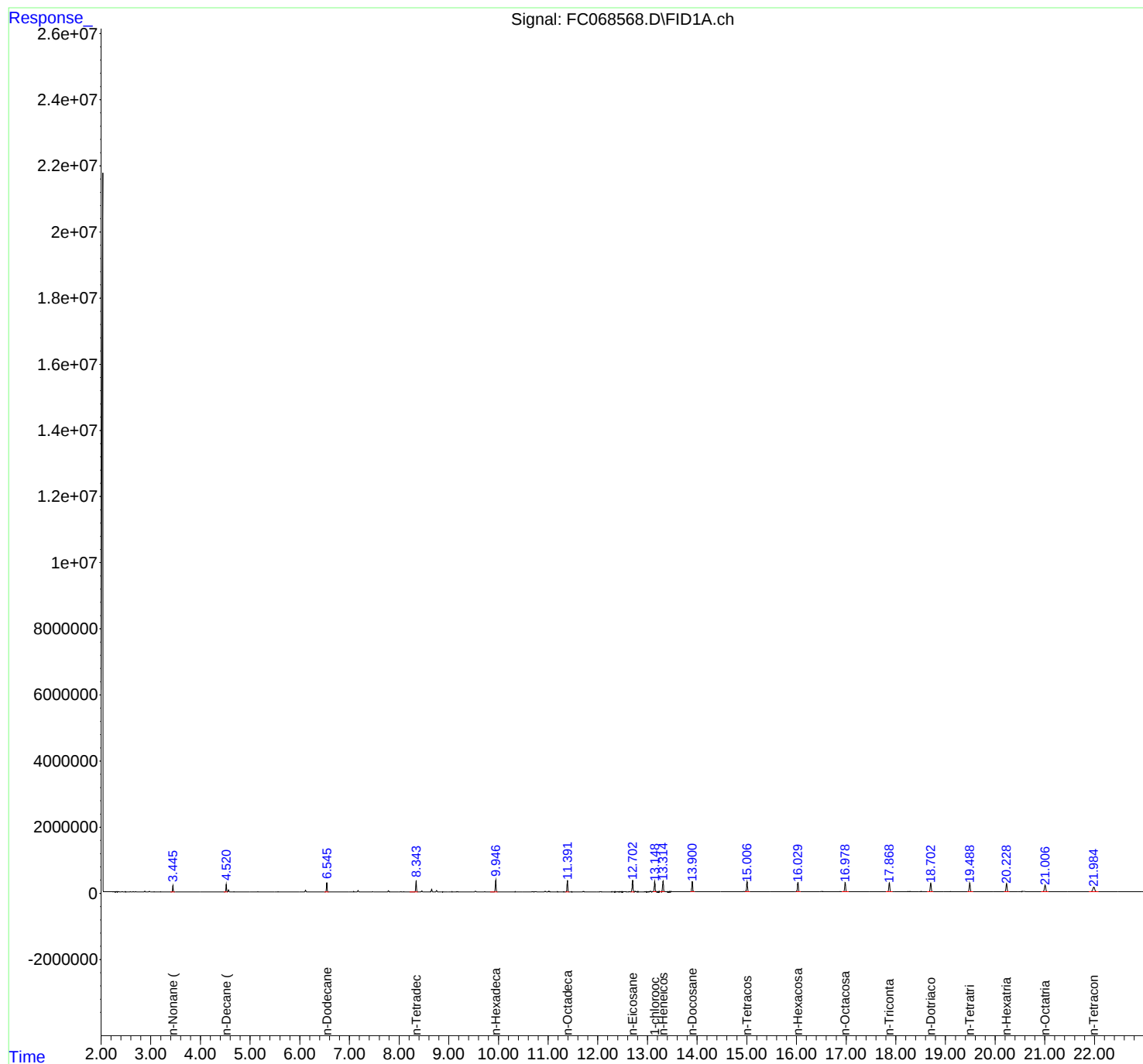
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041125AL\
Data File : FC068568.D
Signal(s) : FID1A.ch
Acq On : 11 Apr 2025 02:32
Operator : YP/AJ
Sample : Q1746-01MSD
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
B-149-SB01MSD

Integration File: autoint1.e
Quant Time: Apr 11 03:48:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 17:31:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041125AL\
 Data File : FC068568.D
 Signal(s) : FID1A.ch
 Acq On : 11 Apr 2025 02:32
 Sample : Q1746-01MSD
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.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	2.316	2.304	2.347	PH	1730	19634	0.49%	0.026%
2	2.361	2.347	2.399	PV	1734	12600	0.31%	0.016%
3	2.427	2.399	2.478	PV	4822	44714	1.11%	0.058%
4	2.491	2.478	2.508	VV	956	7256	0.18%	0.009%
5	2.519	2.508	2.561	VV	155	1737	0.04%	0.002%
6	2.590	2.561	2.624	VV	2050	18586	0.46%	0.024%
7	2.648	2.624	2.670	PV	6680	51638	1.28%	0.067%
8	2.697	2.670	2.740	VV	7136	66232	1.64%	0.086%
9	2.752	2.740	2.768	VV	213	2304	0.06%	0.003%
10	2.779	2.768	2.804	VV	543	5331	0.13%	0.007%
11	2.816	2.804	2.851	VV	251	2913	0.07%	0.004%
12	2.879	2.851	2.944	PV	20941	161947	4.02%	0.210%
13	2.970	2.944	3.004	VV	10712	137562	3.41%	0.179%
14	3.020	3.004	3.049	VV	859	8178	0.20%	0.011%
15	3.070	3.049	3.097	VV	1350	12369	0.31%	0.016%
16	3.109	3.097	3.130	VV	163	1644	0.04%	0.002%
17	3.149	3.130	3.172	VV	179	2349	0.06%	0.003%
18	3.198	3.172	3.248	VV	1308	11561	0.29%	0.015%
19	3.271	3.248	3.288	VV	209	2306	0.06%	0.003%
20	3.294	3.288	3.328	VV	152	1815	0.05%	0.002%
21	3.341	3.328	3.388	VV	126	2066	0.05%	0.003%
22	3.397	3.388	3.413	VV	117	905	0.02%	0.001%
23	3.445	3.413	3.516	PV	194996	1618488	40.14%	2.103%
24	3.551	3.516	3.564	PV	194	3187	0.08%	0.004%
25	3.576	3.564	3.589	VV	211	2880	0.07%	0.004%
26	3.598	3.589	3.620	VV	184	2294	0.06%	0.003%
27	3.629	3.620	3.637	VV	199	1324	0.03%	0.002%
28	3.650	3.637	3.685	VV	210	3435	0.09%	0.004%
29	3.724	3.685	3.745	PV	333	6264	0.16%	0.008%
30	3.769	3.745	3.807	VV	364	7924	0.20%	0.010%
31	3.824	3.807	3.851	VV	379	5478	0.14%	0.007%
32	3.861	3.851	3.877	VV	312	2615	0.06%	0.003%
33	3.896	3.877	3.909	VV	252	2659	0.07%	0.003%
34	3.921	3.909	3.934	VV	155	1741	0.04%	0.002%
35	3.947	3.934	3.959	VV	442	3762	0.09%	0.005%
36	3.967	3.959	3.988	VV	278	2391	0.06%	0.003%

					rteres			
37	3.998	3.988	4.017	VV	192	2662	0.07%	0.003%
38	4.033	4.017	4.094	VV	232	6022	0.15%	0.008%
39	4.121	4.094	4.133	VV	450	5756	0.14%	0.007%
40	4.148	4.133	4.167	VV	853	8662	0.21%	0.011%
41	4.179	4.167	4.197	VV	200	2917	0.07%	0.004%
42	4.216	4.197	4.260	VV	352	6140	0.15%	0.008%
43	4.292	4.260	4.321	VV	614	11004	0.27%	0.014%
44	4.328	4.321	4.356	VV	285	3480	0.09%	0.005%
45	4.369	4.356	4.409	VV	185	2910	0.07%	0.004%
46	4.480	4.409	4.490	PV	212	5637	0.14%	0.007%
47	4.520	4.490	4.545	VV	230288	2058440	51.05%	2.674%
48	4.566	4.545	4.608	VV	56601	494446	12.26%	0.642%
49	4.628	4.608	4.654	VV	1248	13978	0.35%	0.018%
50	4.675	4.654	4.711	VV	1565	22110	0.55%	0.029%
51	4.746	4.711	4.760	VV	711	9746	0.24%	0.013%
52	4.776	4.760	4.801	VV	1199	12266	0.30%	0.016%
53	4.808	4.801	4.848	VV	239	3968	0.10%	0.005%
54	4.855	4.848	4.888	VV	191	2477	0.06%	0.003%
55	4.896	4.888	4.924	VV	182	2501	0.06%	0.003%
56	4.943	4.924	4.987	VV	153	3976	0.10%	0.005%
57	5.004	4.987	5.033	VV	222	2554	0.06%	0.003%
58	5.056	5.033	5.066	PV	144	1413	0.04%	0.002%
59	5.079	5.066	5.107	VV	177	2203	0.05%	0.003%
60	5.131	5.107	5.140	VV	441	4052	0.10%	0.005%
61	5.158	5.140	5.188	VV	2003	22790	0.57%	0.030%
62	5.216	5.188	5.231	VV	456	5679	0.14%	0.007%
63	5.244	5.231	5.258	VV	233	2368	0.06%	0.003%
64	5.265	5.258	5.292	VV	180	2345	0.06%	0.003%
65	5.300	5.292	5.341	VV	106	1243	0.03%	0.002%
66	5.355	5.341	5.367	VV	164	1643	0.04%	0.002%
67	5.385	5.367	5.423	VV	322	4481	0.11%	0.006%
68	5.437	5.423	5.476	VV	164	2710	0.07%	0.004%
69	5.488	5.476	5.506	VV	72	908	0.02%	0.001%
70	5.527	5.506	5.541	PV	166	1923	0.05%	0.002%
71	5.561	5.541	5.584	VV	1602	16914	0.42%	0.022%
72	5.603	5.584	5.631	VV	868	10008	0.25%	0.013%
73	5.660	5.631	5.681	VV	192	2929	0.07%	0.004%
74	5.751	5.681	5.792	VV	272	7696	0.19%	0.010%
75	5.819	5.792	5.831	VV	128	1642	0.04%	0.002%
76	5.851	5.831	5.884	VV	281	5654	0.14%	0.007%
77	5.909	5.884	5.924	VV	144	2211	0.05%	0.003%
78	5.945	5.924	5.968	VV	130	2356	0.06%	0.003%
79	5.975	5.968	6.000	VV	118	1260	0.03%	0.002%
80	6.017	6.000	6.028	PV	80	803	0.02%	0.001%
81	6.072	6.028	6.084	VV	132	2407	0.06%	0.003%
82	6.117	6.084	6.150	VV	52321	479000	11.88%	0.622%
83	6.163	6.150	6.184	VV	335	3752	0.09%	0.005%
84	6.204	6.184	6.244	VV	606	8478	0.21%	0.011%
85	6.265	6.244	6.307	VV	353	6041	0.15%	0.008%
86	6.331	6.307	6.356	VV	213	4281	0.11%	0.006%
87	6.383	6.356	6.414	VV	152	4048	0.10%	0.005%
88	6.428	6.414	6.448	VV	141	2272	0.06%	0.003%
89	6.475	6.448	6.514	VV	218	5078	0.13%	0.007%

					rteres			
90	6.545	6.514	6.614	VV	277616	2679913	66.47%	3.482%
91	6.631	6.614	6.648	VV	310	3372	0.08%	0.004%
92	6.694	6.648	6.714	VV	1046	13943	0.35%	0.018%
93	6.731	6.714	6.751	VV	280	4424	0.11%	0.006%
94	6.769	6.751	6.793	VV	314	4482	0.11%	0.006%
95	6.835	6.793	6.845	VV	154	2289	0.06%	0.003%
96	6.873	6.845	6.893	VV	244	3516	0.09%	0.005%
97	6.916	6.893	6.933	VV	163	2825	0.07%	0.004%
98	6.948	6.933	6.974	VV	193	3449	0.09%	0.004%
99	6.990	6.974	7.021	VV	338	4880	0.12%	0.006%
100	7.043	7.021	7.058	VV	538	7188	0.18%	0.009%
101	7.083	7.058	7.133	VV	1471	24209	0.60%	0.031%
102	7.174	7.133	7.230	VV	44230	434027	10.76%	0.564%
103	7.249	7.230	7.266	VV	711	7742	0.19%	0.010%
104	7.274	7.266	7.291	VV	231	2602	0.06%	0.003%
105	7.331	7.291	7.354	VV	1040	17348	0.43%	0.023%
106	7.365	7.354	7.377	VV	259	3036	0.08%	0.004%
107	7.392	7.377	7.418	VV	263	5109	0.13%	0.007%
108	7.438	7.418	7.451	VV	322	4955	0.12%	0.006%
109	7.470	7.451	7.504	VV	2615	29454	0.73%	0.038%
110	7.564	7.504	7.600	VV	464	12683	0.31%	0.016%
111	7.612	7.600	7.631	VV	144	2263	0.06%	0.003%
112	7.647	7.631	7.684	VV	333	5223	0.13%	0.007%
113	7.735	7.684	7.761	VV	546	9304	0.23%	0.012%
114	7.787	7.761	7.861	VV	33876	331821	8.23%	0.431%
115	7.895	7.861	7.907	VV	361	6368	0.16%	0.008%
116	7.921	7.907	7.940	VV	322	5075	0.13%	0.007%
117	7.950	7.940	7.974	VV	324	4314	0.11%	0.006%
118	7.992	7.974	8.012	VV	317	4772	0.12%	0.006%
119	8.038	8.012	8.074	VV	1942	25598	0.63%	0.033%
120	8.095	8.074	8.143	VV	1670	22528	0.56%	0.029%
121	8.164	8.143	8.181	VV	612	8056	0.20%	0.010%
122	8.199	8.181	8.228	VV	382	7112	0.18%	0.009%
123	8.250	8.228	8.266	VV	690	9171	0.23%	0.012%
124	8.273	8.266	8.285	VV	321	3093	0.08%	0.004%
125	8.302	8.285	8.310	VV	367	3944	0.10%	0.005%
126	8.344	8.310	8.414	VV	334602	3345641	82.98%	4.346%
127	8.459	8.414	8.514	VV	28670	295671	7.33%	0.384%
128	8.535	8.514	8.556	VV	346	6843	0.17%	0.009%
129	8.574	8.556	8.611	VV	453	6803	0.17%	0.009%
130	8.657	8.611	8.727	PV	82315	807180	20.02%	1.049%
131	8.756	8.727	8.783	VV	44367	435504	10.80%	0.566%
132	8.805	8.783	8.820	VV	418	8527	0.21%	0.011%
133	8.834	8.820	8.851	VV	511	7426	0.18%	0.010%
134	8.880	8.851	8.923	VV	1418	26690	0.66%	0.035%
135	8.936	8.923	8.965	VV	321	5890	0.15%	0.008%
136	8.997	8.965	9.013	VV	299	5217	0.13%	0.007%
137	9.030	9.013	9.041	VV	255	3485	0.09%	0.005%
138	9.065	9.041	9.085	VV	1302	16476	0.41%	0.021%
139	9.103	9.085	9.134	VV	626	12248	0.30%	0.016%
140	9.166	9.134	9.210	VV	2551	47455	1.18%	0.062%
141	9.221	9.210	9.237	VV	312	3801	0.09%	0.005%

					rteres			
142	9.254	9.237	9.276	VV	398	5464	0.14%	0.007%
143	9.301	9.276	9.337	VV	253	5261	0.13%	0.007%
144	9.353	9.337	9.374	VV	183	2578	0.06%	0.003%
145	9.404	9.374	9.438	VV	282	7730	0.19%	0.010%
146	9.466	9.438	9.510	VV	565	12366	0.31%	0.016%
147	9.539	9.510	9.571	VV	21042	220923	5.48%	0.287%
148	9.585	9.571	9.601	VV	686	8265	0.20%	0.011%
149	9.624	9.601	9.648	VV	408	6695	0.17%	0.009%
150	9.677	9.648	9.702	VV	577	10830	0.27%	0.014%
151	9.725	9.702	9.743	VV	1997	21757	0.54%	0.028%
152	9.755	9.743	9.776	VV	699	7654	0.19%	0.010%
153	9.818	9.776	9.846	VV	682	9664	0.24%	0.013%
154	9.865	9.846	9.910	VV	405	9430	0.23%	0.012%
155	9.947	9.910	10.000	VV	356383	3858558	95.70%	5.013%
156	10.043	10.000	10.103	VV	302	9699	0.24%	0.013%
157	10.116	10.103	10.202	VV	110	2455	0.06%	0.003%
158	10.228	10.202	10.245	PV	137	1335	0.03%	0.002%
159	10.290	10.245	10.304	VV	248	4977	0.12%	0.006%
160	10.336	10.304	10.360	VV	1036	16013	0.40%	0.021%
161	10.381	10.360	10.399	VV	382	5788	0.14%	0.008%
162	10.422	10.399	10.452	VV	422	6998	0.17%	0.009%
163	10.479	10.452	10.514	VV	261	4956	0.12%	0.006%
164	10.548	10.514	10.575	VV	253	6555	0.16%	0.009%
165	10.587	10.575	10.596	VV	351	3201	0.08%	0.004%
166	10.616	10.596	10.648	VV	388	8454	0.21%	0.011%
167	10.683	10.648	10.715	VV	2678	36063	0.89%	0.047%
168	10.757	10.715	10.790	VV	2106	51184	1.27%	0.066%
169	10.815	10.790	10.844	VV	536	10914	0.27%	0.014%
170	10.862	10.844	10.886	VV	223	4204	0.10%	0.005%
171	10.906	10.886	10.918	VV	296	4277	0.11%	0.006%
172	10.943	10.918	10.979	VV	18986	202112	5.01%	0.263%
173	11.017	10.979	11.045	VV	19707	211345	5.24%	0.275%
174	11.080	11.045	11.128	VV	399	15880	0.39%	0.021%
175	11.140	11.128	11.170	VV	339	5272	0.13%	0.007%
176	11.192	11.170	11.229	VV	1172	13783	0.34%	0.018%
177	11.242	11.229	11.274	PV	283	2239	0.06%	0.003%
178	11.318	11.274	11.350	VV	961	14367	0.36%	0.019%
179	11.390	11.350	11.448	VV	352127	3942573	97.79%	5.122%
180	11.480	11.448	11.524	VV	871	14493	0.36%	0.019%
181	11.545	11.524	11.567	PV	242	2719	0.07%	0.004%
182	11.589	11.567	11.603	PV	108	1364	0.03%	0.002%
183	11.647	11.603	11.660	VV	108	2891	0.07%	0.004%
184	11.712	11.660	11.764	VV	12128	137430	3.41%	0.179%
185	11.781	11.764	11.806	VV	550	8341	0.21%	0.011%
186	11.842	11.806	11.854	VV	373	6703	0.17%	0.009%
187	11.871	11.854	11.894	VV	365	6468	0.16%	0.008%
188	11.900	11.894	11.918	VV	245	2451	0.06%	0.003%
189	11.938	11.918	11.961	VV	184	3948	0.10%	0.005%
190	11.992	11.961	12.004	VV	209	3910	0.10%	0.005%
191	12.058	12.004	12.091	VV	2806	45745	1.13%	0.059%
192	12.110	12.091	12.123	VV	334	4522	0.11%	0.006%
193	12.153	12.123	12.177	VV	512	8793	0.22%	0.011%
194	12.211	12.177	12.240	VV	233	6770	0.17%	0.009%

					rteres			
195	12.280	12.240	12.309	VV	503	11665	0.29%	0.015%
196	12.353	12.309	12.374	VV	618	14923	0.37%	0.019%
197	12.395	12.374	12.411	VV	711	9526	0.24%	0.012%
198	12.434	12.411	12.458	VV	452	10421	0.26%	0.014%
199	12.471	12.458	12.482	VV	506	6526	0.16%	0.008%
200	12.489	12.482	12.499	VV	443	4237	0.11%	0.006%
201	12.524	12.499	12.596	VV	1240	36537	0.91%	0.047%
202	12.638	12.596	12.663	VV	866	16037	0.40%	0.021%
203	12.702	12.663	12.736	VV	349154	4031875	100.00%	5.238%
204	12.763	12.736	12.806	VV	14757	167684	4.16%	0.218%
205	12.818	12.806	12.886	VV	304	8295	0.21%	0.011%
206	12.909	12.886	12.927	VV	174	2231	0.06%	0.003%
207	12.952	12.927	12.984	VV	619	11394	0.28%	0.015%
208	12.990	12.984	13.007	VV	257	2674	0.07%	0.003%
209	13.022	13.007	13.032	VV	195	2416	0.06%	0.003%
210	13.062	13.032	13.108	VV	18114	204267	5.07%	0.265%
211	13.148	13.108	13.183	VV	319006	3765651	93.40%	4.892%
212	13.197	13.183	13.231	VV	483	9465	0.23%	0.012%
213	13.253	13.231	13.275	VV	381	8636	0.21%	0.011%
214	13.315	13.275	13.349	VV	326980	3870507	96.00%	5.028%
215	13.363	13.349	13.382	VV	509	8061	0.20%	0.010%
216	13.390	13.382	13.411	VV	326	5097	0.13%	0.007%
217	13.420	13.411	13.464	VV	308	6801	0.17%	0.009%
218	13.489	13.464	13.500	VV	292	4981	0.12%	0.006%
219	13.534	13.500	13.565	VV	478	14172	0.35%	0.018%
220	13.590	13.565	13.609	VV	461	9741	0.24%	0.013%
221	13.658	13.609	13.671	VV	492	13207	0.33%	0.017%
222	13.690	13.671	13.711	VV	695	11651	0.29%	0.015%
223	13.742	13.711	13.780	VV	1064	23403	0.58%	0.030%
224	13.804	13.780	13.823	VV	437	8920	0.22%	0.012%
225	13.846	13.823	13.863	VV	878	14042	0.35%	0.018%
226	13.901	13.863	13.948	VV	312402	3847462	95.43%	4.998%
227	13.959	13.948	14.021	VV	515	14777	0.37%	0.019%
228	14.038	14.021	14.069	VV	314	7487	0.19%	0.010%
229	14.125	14.069	14.165	VV	594	20883	0.52%	0.027%
230	14.185	14.165	14.209	VV	352	7843	0.19%	0.010%
231	14.227	14.209	14.248	VV	313	6674	0.17%	0.009%
232	14.266	14.248	14.275	VV	338	4881	0.12%	0.006%
233	14.333	14.275	14.394	VV	1469	38899	0.96%	0.051%
234	14.420	14.394	14.436	VV	530	9229	0.23%	0.012%
235	14.460	14.436	14.485	VV	1625	23417	0.58%	0.030%
236	14.534	14.485	14.551	VV	357	11723	0.29%	0.015%
237	14.561	14.551	14.578	VV	416	5245	0.13%	0.007%
238	14.590	14.578	14.618	VV	352	6526	0.16%	0.008%
239	14.626	14.618	14.646	VV	325	4446	0.11%	0.006%
240	14.666	14.646	14.698	VV	416	9292	0.23%	0.012%
241	14.732	14.698	14.778	VV	466	15641	0.39%	0.020%
242	14.787	14.778	14.800	VV	290	3404	0.08%	0.004%
243	14.818	14.800	14.827	VV	335	4721	0.12%	0.006%
244	14.859	14.827	14.884	VV	470	12161	0.30%	0.016%
245	14.891	14.884	14.904	VV	270	2660	0.07%	0.003%
246	14.940	14.904	14.961	VV	9430	116493	2.89%	0.151%

					rterres			
247	15.006	14.961	15.089	VV	297561	3936236	97.63%	5.114%
248	15.105	15.089	15.126	VV	216	2863	0.07%	0.004%
249	15.141	15.126	15.151	VV	131	1328	0.03%	0.002%
250	15.158	15.151	15.171	VV	73	785	0.02%	0.001%
251	15.192	15.171	15.234	VV	217	5802	0.14%	0.008%
252	15.248	15.234	15.271	VV	237	3199	0.08%	0.004%
253	15.279	15.271	15.298	VV	222	2246	0.06%	0.003%
254	15.344	15.298	15.360	VV	323	7326	0.18%	0.010%
255	15.383	15.360	15.418	VV	309	5492	0.14%	0.007%
256	15.435	15.418	15.471	VV	266	5245	0.13%	0.007%
257	15.482	15.471	15.494	VV	147	1629	0.04%	0.002%
258	15.524	15.494	15.600	VV	1792	30885	0.77%	0.040%
259	15.618	15.600	15.652	VV	170	2989	0.07%	0.004%
260	15.671	15.652	15.681	VV	148	1481	0.04%	0.002%
261	15.704	15.681	15.721	VV	256	3651	0.09%	0.005%
262	15.732	15.721	15.742	VV	172	1868	0.05%	0.002%
263	15.758	15.742	15.778	VV	236	3437	0.09%	0.004%
264	15.793	15.778	15.814	VV	199	3041	0.08%	0.004%
265	15.846	15.814	15.881	VV	283	6745	0.17%	0.009%
266	15.898	15.881	15.946	VV	199	5382	0.13%	0.007%
267	16.028	15.946	16.117	VV	285885	3786154	93.91%	4.919%
268	16.127	16.117	16.147	VV	172	1224	0.03%	0.002%
269	16.199	16.147	16.208	PV	286	4815	0.12%	0.006%
270	16.251	16.208	16.303	VV	349	10512	0.26%	0.014%
271	16.336	16.303	16.360	VV	390	6946	0.17%	0.009%
272	16.388	16.360	16.431	VV	274	8253	0.20%	0.011%
273	16.444	16.431	16.458	VV	114	1523	0.04%	0.002%
274	16.497	16.458	16.513	VV	7862	110118	2.73%	0.143%
275	16.527	16.513	16.574	VV	7824	101995	2.53%	0.133%
276	16.585	16.574	16.592	VV	256	2261	0.06%	0.003%
277	16.673	16.592	16.710	VV	568	25886	0.64%	0.034%
278	16.740	16.710	16.792	VV	458	17298	0.43%	0.022%
279	16.818	16.792	16.834	VV	413	8821	0.22%	0.011%
280	16.878	16.834	16.912	VV	7673	101774	2.52%	0.132%
281	16.980	16.912	17.049	VV	276472	3771867	93.55%	4.900%
282	17.094	17.049	17.113	VV	470	14156	0.35%	0.018%
283	17.124	17.113	17.153	VV	463	7397	0.18%	0.010%
284	17.233	17.153	17.274	VV	747	29960	0.74%	0.039%
285	17.307	17.274	17.352	VV	810	20403	0.51%	0.027%
286	17.427	17.352	17.454	VV	3022	58362	1.45%	0.076%
287	17.468	17.454	17.478	VV	364	4990	0.12%	0.006%
288	17.484	17.478	17.504	VV	376	3884	0.10%	0.005%
289	17.522	17.504	17.531	VV	318	4214	0.10%	0.005%
290	17.558	17.531	17.589	VV	729	17021	0.42%	0.022%
291	17.607	17.589	17.624	VV	276	4955	0.12%	0.006%
292	17.639	17.624	17.655	VV	381	5165	0.13%	0.007%
293	17.664	17.655	17.684	VV	272	3705	0.09%	0.005%
294	17.757	17.684	17.798	VV	3242	60993	1.51%	0.079%
295	17.869	17.798	17.908	VV	273746	3826952	94.92%	4.972%
296	17.921	17.908	17.938	VV	370	4790	0.12%	0.006%
297	17.959	17.938	17.980	VV	246	4855	0.12%	0.006%
298	18.028	17.980	18.110	VV	1329	37625	0.93%	0.049%
299	18.131	18.110	18.171	VV	324	7882	0.20%	0.010%

					rteres			
300	18.185	18.171	18.198	VV	240	3045	0.08%	0.004%
301	18.205	18.198	18.211	VV	226	1660	0.04%	0.002%
302	18.247	18.211	18.266	VV	5742	75148	1.86%	0.098%
303	18.288	18.266	18.338	VV	9524	129674	3.22%	0.168%
304	18.393	18.338	18.451	PV	1210	26975	0.67%	0.035%
305	18.502	18.451	18.531	VV	5280	70402	1.75%	0.091%
306	18.548	18.531	18.581	VV	433	7925	0.20%	0.010%
307	18.590	18.581	18.624	VV	281	4584	0.11%	0.006%
308	18.702	18.624	18.755	PV	255858	3793436	94.09%	4.928%
309	18.821	18.755	18.844	PV	672	12608	0.31%	0.016%
310	18.871	18.844	18.928	VV	586	14656	0.36%	0.019%
311	18.952	18.928	18.971	VV	340	5952	0.15%	0.008%
312	18.999	18.971	19.028	VV	270	6140	0.15%	0.008%
313	19.098	19.028	19.131	VV	4941	77222	1.92%	0.100%
314	19.148	19.131	19.191	VV	563	10119	0.25%	0.013%
315	19.220	19.191	19.258	VV	459	11316	0.28%	0.015%
316	19.277	19.258	19.290	VV	367	5236	0.13%	0.007%
317	19.301	19.290	19.308	VV	408	3629	0.09%	0.005%
318	19.315	19.308	19.321	VV	395	2795	0.07%	0.004%
319	19.331	19.321	19.374	VV	438	12590	0.31%	0.016%
320	19.391	19.374	19.404	VV	476	7905	0.20%	0.010%
321	19.418	19.404	19.441	VV	511	10243	0.25%	0.013%
322	19.488	19.441	19.558	VV	258286	3811274	94.53%	4.951%
323	19.634	19.558	19.659	VV	903	38183	0.95%	0.050%
324	19.665	19.659	19.672	VV	720	5541	0.14%	0.007%
325	19.725	19.672	19.757	VV	974	40354	1.00%	0.052%
326	19.776	19.757	19.820	VV	1016	33169	0.82%	0.043%
327	19.860	19.820	19.894	VV	2517	65771	1.63%	0.085%
328	19.939	19.894	19.943	VV	1153	31234	0.77%	0.041%
329	19.963	19.943	20.003	VV	1214	42493	1.05%	0.055%
330	20.041	20.003	20.068	VV	1457	51452	1.28%	0.067%
331	20.132	20.068	20.174	VV	2144	107784	2.67%	0.140%
332	20.229	20.174	20.283	VV	249332	3796257	94.16%	4.932%
333	20.315	20.283	20.333	VV	2004	57913	1.44%	0.075%
334	20.380	20.333	20.431	VV	2162	118184	2.93%	0.154%
335	20.446	20.431	20.471	VV	2130	48335	1.20%	0.063%
336	20.586	20.471	20.690	VV	5487	420313	10.42%	0.546%
337	20.738	20.690	20.761	VV	2032	80230	1.99%	0.104%
338	20.780	20.761	20.834	VV	1904	78175	1.94%	0.102%
339	20.854	20.834	20.943	VV	1715	99814	2.48%	0.130%
340	21.005	20.943	21.081	VV	202377	3797506	94.19%	4.933%
341	21.104	21.081	21.118	VV	1435	30406	0.75%	0.040%
342	21.128	21.118	21.202	VV	1384	63315	1.57%	0.082%
343	21.216	21.202	21.230	VV	1215	19720	0.49%	0.026%
344	21.260	21.230	21.308	VV	1175	51710	1.28%	0.067%
345	21.319	21.308	21.341	VV	1020	19071	0.47%	0.025%
346	21.352	21.341	21.412	VV	973	38832	0.96%	0.050%
347	21.461	21.412	21.547	VV	1517	78402	1.94%	0.102%
348	21.556	21.547	21.567	VV	771	9274	0.23%	0.012%
349	21.578	21.567	21.588	VV	808	9096	0.23%	0.012%
350	21.617	21.588	21.641	VV	799	23376	0.58%	0.030%
351	21.682	21.641	21.708	VV	753	27949	0.69%	0.036%

rteres									
352	21.718	21.708	21.780	VV	725	25506	0.63%	0.033%	
353	21.795	21.780	21.824	VV	572	12773	0.32%	0.017%	
354	21.847	21.824	21.907	VV	500	18874	0.47%	0.025%	
355	21.986	21.907	22.116	VV	134811	3591444	89.08%	4.666%	
356	22.124	22.116	22.142	VV	224	3205	0.08%	0.004%	
357	22.148	22.142	22.161	VV	222	2095	0.05%	0.003%	
358	22.179	22.161	22.238	VV	198	5979	0.15%	0.008%	
359	22.245	22.238	22.298	VV	127	2674	0.07%	0.003%	
Sum of corrected areas:						76973876			

Aliphatic EPH 040925.M Fri Apr 11 04:59:20 2025

Manual Integration Report

Sequence:

FC041125AL

Instrument

FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1746-05DL	FC068547.D	1-chlorooctadecane (SURR)	yogesh	4/11/2025 7:46:04 AM	mohammad	4/14/2025 12:39:51	Peak Integrated by Software
Q1760-05MS	FC068555.D	n-Nonane (C9)	yogesh	4/11/2025 7:46:07 AM	mohammad	4/14/2025 12:39:51	Peak Integrated by Software
Q1760-05MSD	FC068556.D	n-Decane (C10)	yogesh	4/11/2025 7:46:07 AM	mohammad	4/14/2025 12:39:51	Peak Integrated by Software

Manual Integration Report

Sequence:

FD040725AR

Instrument

FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
100 PPM AROMATIC HC	FD049232.D	Bnezo[k]fluoranthene (C30.14)	yogesh	4/8/2025 7:46:50 AM	mohammad	4/9/2025 2:58:56	Peak Integrated by Software
100 PPM AROMATIC HC	FD049232.D	Dibenz[a,h]anthracene (C30.36)	yogesh	4/8/2025 7:46:50 AM	mohammad	4/9/2025 2:58:56	Peak Integrated by Software



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

Manual Integration Report

Sequence:

FD041025AR

Instrument

FID_d

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC040925AL

Review By	yogesh	Review On	4/8/2025 3:04:36 PM
Supervise By	mohammad	Supervise On	4/10/2025 5:31:03 AM
SubDirectory	FC040925AL	HP Acquire Method	HP Processing Method FC040925AL
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	FC068513.D	08 Apr 2025 13:05	YP/AJ	Ok
2	I.BLK	FC068514.D	08 Apr 2025 13:42	YP/AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FC068515.D	08 Apr 2025 14:19	YP/AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FC068516.D	08 Apr 2025 14:56	YP/AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FC068517.D	08 Apr 2025 15:34	YP/AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FC068518.D	08 Apr 2025 16:12	YP/AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FC068519.D	08 Apr 2025 16:48	YP/AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FC068520.D	08 Apr 2025 17:26	YP/AJ	Ok
9	I.BLK	FC068521.D	08 Apr 2025 18:41	YP/AJ	Ok
10	20 PPM ALIPHATIC HC STD	FC068522.D	08 Apr 2025 19:18	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC041125AL

Review By	yogesh	Review On	4/10/2025 9:24:51 AM
Supervise By	mohammad	Supervise On	4/14/2025 12:39:51 AM
SubDirectory	FC041125AL	HP Acquire Method	HP Processing Method FC040925AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24176 PP24174,PP24179		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC068544.D	10 Apr 2025 06:44	YP/AJ	Ok
2	I.BLK	FC068545.D	10 Apr 2025 07:20	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC068546.D	10 Apr 2025 07:56	YP/AJ	Ok
4	Q1746-05DL	FC068547.D	10 Apr 2025 08:48	YP/AJ	Ok,M
5	I.BLK	FC068548.D	10 Apr 2025 10:02	YP/AJ	Ok
6	20 PPM ALIPHATIC HC STD	FC068549.D	10 Apr 2025 11:16	YP/AJ	Ok
7	PB167545BL	FC068550.D	10 Apr 2025 13:35	YP/AJ	Ok
8	PB167545BS	FC068551.D	10 Apr 2025 14:10	YP/AJ	Ok
9	PB167545BSD	FC068552.D	10 Apr 2025 14:48	YP/AJ	Ok
10	Q1760-05	FC068553.D	10 Apr 2025 15:25	YP/AJ	Dilution
11	Q1760-05D	FC068554.D	10 Apr 2025 16:01	YP/AJ	Ok
12	Q1760-05MS	FC068555.D	10 Apr 2025 16:38	YP/AJ	Ok,M
13	Q1760-05MSD	FC068556.D	10 Apr 2025 17:15	YP/AJ	Ok,M
14	Q1760-06	FC068557.D	10 Apr 2025 17:53	YP/AJ	Ok
15	I.BLK	FC068558.D	10 Apr 2025 19:07	YP/AJ	Ok
16	20 PPM ALIPHATIC HC STD	FC068559.D	10 Apr 2025 19:45	YP/AJ	Ok
17	PB167513BL	FC068560.D	10 Apr 2025 21:36	YP/AJ	Ok
18	PB167513BS	FC068561.D	10 Apr 2025 22:14	YP/AJ	Ok
19	PB167513BSD	FC068562.D	10 Apr 2025 22:51	YP/AJ	Ok
20	Q1744-01	FC068563.D	10 Apr 2025 23:28	YP/AJ	Ok
21	Q1744-03	FC068564.D	11 Apr 2025 00:05	YP/AJ	Ok

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC041125AL

Review By	yogesh	Review On	4/10/2025 9:24:51 AM
Supervise By	mohammad	Supervise On	4/14/2025 12:39:51 AM
SubDirectory	FC041125AL	HP Acquire Method	HP Processing Method FC040925AL
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		

22	Q1746-01	FC068565.D	11 Apr 2025 00:41	YP/AJ	Ok
23	Q1746-01D	FC068566.D	11 Apr 2025 01:18	YP/AJ	Ok
24	Q1746-01MS	FC068567.D	11 Apr 2025 01:55	YP/AJ	Ok
25	Q1746-01MSD	FC068568.D	11 Apr 2025 02:32	YP/AJ	Ok
26	Q1746-03	FC068569.D	11 Apr 2025 03:09	YP/AJ	Ok
27	I.BLK	FC068570.D	11 Apr 2025 03:46	YP/AJ	Ok
28	20 PPM ALIPHATIC HC STD	FC068571.D	11 Apr 2025 04:22	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD040725AR

Review By	yogesh	Review On	4/7/2025 3:22:24 PM
Supervise By	mohammad	Supervise On	4/9/2025 2:58:56 AM
SubDirectory	FD040725AR	HP Acquire Method	HP Processing Method FD040725AR
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23968,PP23970,PP23971,PP23972,PP23973		
CCC Internal Standard/PEM	PP23971		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP23969,PP24199		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FD049230.D	07 Apr 2025 15:00	YP/AJ	Ok
2	I.BLK	FD049231.D	07 Apr 2025 15:38	YP/AJ	Ok
3	100 PPM AROMATIC HC STD1	FD049232.D	07 Apr 2025 16:15	YP/AJ	Ok,M
4	50 PPM AROMATIC HC STD2	FD049233.D	07 Apr 2025 16:52	YP/AJ	Ok
5	20 PPM AROMATIC HC STD3	FD049234.D	07 Apr 2025 17:30	YP/AJ	Ok
6	10 PPM AROMATIC HC STD4	FD049235.D	07 Apr 2025 18:08	YP/AJ	Ok
7	5 PPM AROMATIC HC STD5	FD049236.D	07 Apr 2025 18:45	YP/AJ	Ok
8	20 PPM AROMATIC HC STD ICV	FD049237.D	07 Apr 2025 19:23	YP/AJ	Ok
9	I.BLK	FD049238.D	07 Apr 2025 20:37	YP/AJ	Ok
10	20 PPM AROMATIC HC STD	FD049239.D	07 Apr 2025 21:15	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD041025AR

Review By	yogesh	Review On	4/10/2025 1:50:11 PM
Supervise By	mohammad	Supervise On	4/14/2025 12:40:36 AM
SubDirectory	FD041025AR	HP Acquire Method	HP Processing Method FD040725AR
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23968,PP23970,PP23971,PP23972,PP23973		
CCC Internal Standard/PEM	PP23971		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP23969,PP24199		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FD049266.D	10 Apr 2025 06:44	YP/AJ	Ok
2	I.BLK	FD049267.D	10 Apr 2025 13:35	YP/AJ	Ok
3	20 PPM AROMATIC HC STD	FD049268.D	10 Apr 2025 14:10	YP/AJ	Ok
4	PB167513BL	FD049269.D	10 Apr 2025 14:48	YP/AJ	Ok
5	PB167513BS	FD049270.D	10 Apr 2025 15:25	YP/AJ	Ok
6	PB167513BSD	FD049271.D	10 Apr 2025 16:01	YP/AJ	Ok
7	Q1744-01	FD049272.D	10 Apr 2025 16:38	YP/AJ	Ok
8	Q1744-03	FD049273.D	10 Apr 2025 17:15	YP/AJ	Ok
9	Q1746-01	FD049274.D	10 Apr 2025 17:53	YP/AJ	Ok
10	Q1746-01D	FD049275.D	10 Apr 2025 18:31	YP/AJ	Ok
11	Q1746-01MS	FD049276.D	10 Apr 2025 19:07	YP/AJ	Ok
12	Q1746-01MSD	FD049277.D	10 Apr 2025 19:45	YP/AJ	Ok
13	Q1746-03	FD049278.D	10 Apr 2025 20:21	YP/AJ	Ok
14	I.BLK	FD049279.D	10 Apr 2025 21:00	YP/AJ	Ok
15	20 PPM AROMATIC HC STD	FD049280.D	10 Apr 2025 21:36	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC040925AL

Review By	yogesh	Review On	4/8/2025 3:04:36 PM
Supervise By	mohammad	Supervise On	4/10/2025 5:31:03 AM
SubDirectory	FC040925AL	HP Acquire Method	HP Processing Method FC040925AL
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	FC068513.D	08 Apr 2025 13:05		YP/AJ	Ok
2	I.BLK	I.BLK	FC068514.D	08 Apr 2025 13:42		YP/AJ	Ok
3	100 PPM ALIPHATIC HC	100 PPM ALIPHATIC HC	FC068515.D	08 Apr 2025 14:19		YP/AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FC068516.D	08 Apr 2025 14:56		YP/AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068517.D	08 Apr 2025 15:34		YP/AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FC068518.D	08 Apr 2025 16:12		YP/AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FC068519.D	08 Apr 2025 16:48		YP/AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068520.D	08 Apr 2025 17:26		YP/AJ	Ok
9	I.BLK	I.BLK	FC068521.D	08 Apr 2025 18:41		YP/AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068522.D	08 Apr 2025 19:18		YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC041125AL

Review By	yogesh	Review On	4/10/2025 9:24:51 AM
Supervise By	mohammad	Supervise On	4/14/2025 12:39:51 AM
SubDirectory	FC041125AL	HP Acquire Method	HP Processing Method FC040925AL
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	FC068544.D	10 Apr 2025 06:44		YP/AJ	Ok
2	I.BLK	I.BLK	FC068545.D	10 Apr 2025 07:20		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068546.D	10 Apr 2025 07:56		YP/AJ	Ok
4	Q1746-05DL	B-158-GW01DL	FC068547.D	10 Apr 2025 08:48		YP/AJ	Ok,M
5	I.BLK	I.BLK	FC068548.D	10 Apr 2025 10:02		YP/AJ	Ok
6	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068549.D	10 Apr 2025 11:16		YP/AJ	Ok
7	PB167545BL	PB167545BL	FC068550.D	10 Apr 2025 13:35		YP/AJ	Ok
8	PB167545BS	PB167545BS	FC068551.D	10 Apr 2025 14:10		YP/AJ	Ok
9	PB167545BSD	PB167545BSD	FC068552.D	10 Apr 2025 14:48		YP/AJ	Ok
10	Q1760-05	TP-15	FC068553.D	10 Apr 2025 15:25	need 5x dilution	YP/AJ	Dilution
11	Q1760-05D	Q1760-05D	FC068554.D	10 Apr 2025 16:01		YP/AJ	Ok
12	Q1760-05MS	TP-15MS	FC068555.D	10 Apr 2025 16:38	FC068553.D	YP/AJ	Ok,M
13	Q1760-05MSD	TP-15MSD	FC068556.D	10 Apr 2025 17:15	FC068553.D!FC068555.D	YP/AJ	Ok,M
14	Q1760-06	TP-15-EPH	FC068557.D	10 Apr 2025 17:53		YP/AJ	Ok
15	I.BLK	I.BLK	FC068558.D	10 Apr 2025 19:07		YP/AJ	Ok
16	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068559.D	10 Apr 2025 19:45		YP/AJ	Ok
17	PB167513BL	PB167513BL	FC068560.D	10 Apr 2025 21:36		YP/AJ	Ok

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC041125AL

Review By	yogesh	Review On	4/10/2025 9:24:51 AM
Supervise By	mohammad	Supervise On	4/14/2025 12:39:51 AM
SubDirectory	FC041125AL	HP Acquire Method	HP Processing Method FC040925AL
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			

18	PB167513BS	PB167513BS	FC068561.D	10 Apr 2025 22:14	naphthalene break down - 0.189, 2-methylnepthalene break down - 0.408	YP/AJ	Ok
19	PB167513BSD	PB167513BSD	FC068562.D	10 Apr 2025 22:51	naphthalene break down - 0.283, 2-methylnepthalene break down - 0.335	YP/AJ	Ok
20	Q1744-01	B-158-SB01	FC068563.D	10 Apr 2025 23:28		YP/AJ	Ok
21	Q1744-03	B-158-SB02	FC068564.D	11 Apr 2025 00:05		YP/AJ	Ok
22	Q1746-01	B-149-SB01	FC068565.D	11 Apr 2025 00:41		YP/AJ	Ok
23	Q1746-01D	Q1746-01D	FC068566.D	11 Apr 2025 01:18		YP/AJ	Ok
24	Q1746-01MS	B-149-SB01MS	FC068567.D	11 Apr 2025 01:55	FC068565.D	YP/AJ	Ok
25	Q1746-01MSD	B-149-SB01MSD	FC068568.D	11 Apr 2025 02:32	FC068565.D!FC068567.D	YP/AJ	Ok
26	Q1746-03	B-149-SB02	FC068569.D	11 Apr 2025 03:09		YP/AJ	Ok
27	I.BLK	I.BLK	FC068570.D	11 Apr 2025 03:46		YP/AJ	Ok
28	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068571.D	11 Apr 2025 04:22		YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD040725AR

Review By	yogesh	Review On	4/7/2025 3:22:24 PM
Supervise By	mohammad	Supervise On	4/9/2025 2:58:56 AM
SubDirectory	FD040725AR	HP Acquire Method	HP Processing Method FD040725AR
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23968,PP23970,PP23971,PP23972,PP23973		
CCC	PP23971		
Internal Standard/PEM	PP23969,PP24199		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD049230.D	07 Apr 2025 15:00		YP/AJ	Ok
2	I.BLK	I.BLK	FD049231.D	07 Apr 2025 15:38		YP/AJ	Ok
3	100 PPM AROMATIC HC	100 PPM AROMATIC HC	FD049232.D	07 Apr 2025 16:15		YP/AJ	Ok,M
4	50 PPM AROMATIC HC	50 PPM AROMATIC HC	FD049233.D	07 Apr 2025 16:52		YP/AJ	Ok
5	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049234.D	07 Apr 2025 17:30		YP/AJ	Ok
6	10 PPM AROMATIC HC	10 PPM AROMATIC HC	FD049235.D	07 Apr 2025 18:08		YP/AJ	Ok
7	5 PPM AROMATIC HC	5 PPM AROMATIC HC	FD049236.D	07 Apr 2025 18:45		YP/AJ	Ok
8	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049237.D	07 Apr 2025 19:23		YP/AJ	Ok
9	I.BLK	I.BLK	FD049238.D	07 Apr 2025 20:37		YP/AJ	Ok
10	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049239.D	07 Apr 2025 21:15		YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD041025AR

Review By	yogesh	Review On	4/10/2025 1:50:11 PM
Supervise By	mohammad	Supervise On	4/14/2025 12:40:36 AM
SubDirectory	FD041025AR	HP Acquire Method	HP Processing Method FD040725AR
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23968,PP23970,PP23971,PP23972,PP23973		
CCC	PP23971		
Internal Standard/PEM	PP23969,PP24199		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD049266.D	10 Apr 2025 06:44		YP/AJ	Ok
2	I.BLK	I.BLK	FD049267.D	10 Apr 2025 13:35		YP/AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049268.D	10 Apr 2025 14:10		YP/AJ	Ok
4	PB167513BL	PB167513BL	FD049269.D	10 Apr 2025 14:48		YP/AJ	Ok
5	PB167513BS	PB167513BS	FD049270.D	10 Apr 2025 15:25	naphthalene break down - 0.189, 2-methylnephthalene break down - 0.408	YP/AJ	Ok
6	PB167513BSD	PB167513BSD	FD049271.D	10 Apr 2025 16:01	naphthalene break down - 0.283, 2-methylnephthalene break down - 0.335	YP/AJ	Ok
7	Q1744-01	B-158-SB01	FD049272.D	10 Apr 2025 16:38		YP/AJ	Ok
8	Q1744-03	B-158-SB02	FD049273.D	10 Apr 2025 17:15		YP/AJ	Ok
9	Q1746-01	B-149-SB01	FD049274.D	10 Apr 2025 17:53		YP/AJ	Ok
10	Q1746-01D	Q1746-01D	FD049275.D	10 Apr 2025 18:31		YP/AJ	Ok
11	Q1746-01MS	B-149-SB01MS	FD049276.D	10 Apr 2025 19:07	FD049274.D	YP/AJ	Ok
12	Q1746-01MSD	B-149-SB01MSD	FD049277.D	10 Apr 2025 19:45	FD049274.D!FD049276.D	YP/AJ	Ok
13	Q1746-03	B-149-SB02	FD049278.D	10 Apr 2025 20:21		YP/AJ	Ok
14	I.BLK	I.BLK	FD049279.D	10 Apr 2025 21:00		YP/AJ	Ok
15	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049280.D	10 Apr 2025 21:36		YP/AJ	Ok

M : Manual Integration

SOP ID:	MNJDEP-EPH-7		
Clean Up SOP #:	N/A	Extraction Start Date :	04/08/2025
Matrix :	Solid	Extraction Start Time :	10:10
Welgh By:	EH	Extraction By:	RJ
Balance check:	RJ	Filter By:	RJ
Balance ID:	EX-SC-2	pH Meter ID:	N/A
pH Strip Lot#:	N/A	Hood ID:	3,7
Extraction Method:	☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet		
Extraction End Date :	04/08/2025		
Extraction End Time :	16:25		
Concentration By:	EH		
Supervisor By :	rajesh		

Standarded 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
Methylene Chloride	N/A	EP2591
Baked Na2SO4	N/A	EP2599
Sand	N/A	E2865
Hexane	N/A	E3916
EPH Cartridge	N/A	E3757
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:

1.5 ML Vial lot# 2210473.

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

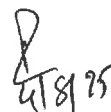
Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
04/08/25	RP (Ext Lab)	Y P-pest IRB
16:30	Preparation Group	Analysis Group

Analytical Method: MNJDEP-EPH-7

Concentration Date: 04/08/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167513BL	PB167513BL	EPH	30.02	N/A	ritesh	Evelyn	2			U6-1
PB167513BS	PB167513BS	EPH	30.03	N/A	ritesh	Evelyn	2			2
PB167513BSD	PB167513BSD	EPH	30.01	N/A	ritesh	Evelyn	2			3
Q1744-01	B-158-SB01	EPH	30.07	N/A	ritesh	Evelyn	2	E		4
Q1744-03	B-158-SB02	EPH	30.05	N/A	ritesh	Evelyn	2	E		5
Q1746-01	B-149-SB01	EPH	30.02	N/A	ritesh	Evelyn	2	E		6
Q1746-01DUP	B-149-SB01DUP	EPH	30.04	N/A	ritesh	Evelyn	2	E		U3-1
Q1746-01MS	B-149-SB01MS	EPH	30.03	N/A	ritesh	Evelyn	2	E		2
Q1746-01MSD	B-149-SB01MSD	EPH	30.06	N/A	ritesh	Evelyn	2	E		3
Q1746-03	B-149-SB02	EPH	30.05	N/A	ritesh	Evelyn	2	F		4

* Extracts relinquished on the same date as received.



WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1743

WorkList ID : 188791

Department : Extraction

Date : 04-08-2025 08:13:55

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1740-01	TP-20	Solid	EPH_NF	Cool 4 deg C	PSEG03	L21	04/04/2025	NJEPH
Q1740-02	TP-20-E2	Solid	EPH_NF	Cool 4 deg C	PSEG03	L21	04/04/2025	NJEPH
Q1742-01	TR-06-040725	Solid	EPH_NF	Cool 4 deg C	PSEG05		04/04/2025	NJEPH
Q1742-02	TR-06-040725-E2	Solid	EPH_NF	Cool 4 deg C	PSEG05		04/04/2025	NJEPH
Q1743-01	TP-16	Solid	EPH_NF	Cool 4 deg C	PSEG03	L33	04/07/2025	NJEPH
Q1743-02	TP-16-EPH	Solid	EPH_NF	Cool 4 deg C	PSEG03	L33	04/07/2025	NJEPH
Q1744-01	B-158-SB01	Solid	EPH	Cool 4 deg C	PORT06	L41	04/05/2025	NJEPH
Q1744-03	B-158-SB02	Solid	EPH	Cool 4 deg C	PORT06	L41	04/05/2025	NJEPH
Q1745-01	IB-6A-WC	Solid	EPH_NF	Cool 4 deg C	PSEG03	L41	04/07/2025	NJEPH
Q1745-02	IB-6A-EPH	Solid	EPH_NF	Cool 4 deg C	PSEG03	L41	04/07/2025	NJEPH
Q1745-09	IB-6.5-WC	Solid	EPH_NF	Cool 4 deg C	PSEG03	L41	04/07/2025	NJEPH
Q1745-10	IB-6.5-EPH	Solid	EPH_NF	Cool 4 deg C	PSEG03	L41	04/07/2025	NJEPH
Q1746-01	B-149-SB01	Solid	EPH	Cool 4 deg C	PORT06	L41	04/05/2025	NJEPH
Q1746-03	B-149-SB02	Solid	EPH	Cool 4 deg C	PORT06	L41	04/06/2025	NJEPH
Q1747-01	ARS20-0008	Solid	EPH_NF	Cool 4 deg C	PSEG03	I41	04/07/2025	NJEPH
Q1747-02	ARS20-0008-E2	Solid	EPH_NF	Cool 4 deg C	PSEG03	I41	04/07/2025	NJEPH

Date/Time 04/08/25 10:05

Raw Sample Received by: RJ (Sep 104)

Raw Sample Relinquished by: CJ Sm

Date/Time 04/08/25 10:25

Raw Sample Received by: CJ Sm

Raw Sample Relinquished by: RJ (Sep 104)

LAB CHRONICLE

OrderID:	Q1744	OrderDate:	4/7/2025 11:34:00 AM
Client:	Portal Partners Tri-Venture	Project:	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	Location:	L41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1744-01	B-158-SB01	SOIL			04/05/25			04/07/25
			PCB	8082A		04/08/25	04/08/25	
			TPH GC	8015D		04/08/25	04/08/25	
			EPH	NJEPH		04/08/25	04/10/25	
			EPH	NJEPH		04/08/25	04/11/25	
Q1744-02	B-158-SB01	TCLP			04/05/25			04/07/25
			TCLP Herbicide	8151A		04/09/25	04/10/25	
Q1744-03	B-158-SB02	SOIL			04/05/25			04/07/25
			PCB	8082A		04/08/25	04/08/25	
			TPH GC	8015D		04/08/25	04/08/25	
			EPH	NJEPH		04/08/25	04/10/25	
			EPH	NJEPH		04/08/25	04/11/25	
Q1744-04	B-158-SB02	TCLP			04/05/25			04/07/25
			TCLP Herbicide	8151A		04/09/25	04/10/25	