



SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	02/23/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	02/25/25
Client Sample ID:	B-154-SB01	SDG No.:	Q1422
Lab Sample ID:	Q1422-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.4
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
02/27/25 13:10	02/28/25 20:46	PB166923

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.43	U	1	0.43	1.13	mg/kg	FC068337.D
Aliphatic C12-C16	Aliphatic C12-C16	0.38	J	1	0.27	0.75	mg/kg	FC068337.D
Aliphatic C16-C21	Aliphatic C16-C21	0.34	U	1	0.34	1.13	mg/kg	FC068337.D
Aliphatic C21-C28	Aliphatic C21-C28	0.90	U	1	0.90	1.50	mg/kg	FC068337.D
Aliphatic C28-C40	Aliphatic C28-C40	2.03	U	1	2.03	2.26	mg/kg	FC068337.D
Aromatic C10-C12	Aromatic C10-C12	0.43	J	1	0.34	0.75	mg/kg	FD049145.D
Aromatic C12-C16	Aromatic C12-C16	0.65	J	1	0.38	1.13	mg/kg	FD049145.D
Aromatic C16-C21	Aromatic C16-C21	2.26		1	1.08	1.88	mg/kg	FD049145.D
Aromatic C21-C36	Aromatic C21-C36	2.26	U	1	2.26	3.01	mg/kg	FD049145.D
Total AliphaticEPH	Total AliphaticEPH	3.97	U		3.97	6.77	mg/kg	
Total AromaticEPH	Total AromaticEPH	4.06	U		4.06	6.77	mg/kg	
Total EPH	Total EPH	8.04	U		8.04	13.5	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:	02/23/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	02/25/25
Client Sample ID:	B-154-SB01	SDG No.:	Q1422
Lab Sample ID:	Q1422-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.4
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
FC068337.D	1	02/27/25	02/28/25	PB166923

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.43	U	0.43	1.13	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.38	J	0.27	0.75	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.34	U	0.34	1.13	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.90	U	0.90	1.50	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.03	U	2.03	2.26	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.0		40 - 140	62%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1422-01	Acq On:	28 Feb 2025 20:46
Client Sample ID:	B-154-SB01	Operator:	YP/AJ
Data file:	FC068337.D	Misc:	
Instrument:	FID_C	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.104	6.369	531996	3.772	300	ug/ml
Aliphatic C12-C16	6.370	9.754	696493	5.097	200	ug/ml
Aliphatic C16-C21	9.755	13.107	570004	4.33	300	ug/ml
Aliphatic C21-C28	13.108	16.761	536732	4.375	400	ug/ml
Aliphatic C28-C40	16.762	21.565	2407195	23.406	600	ug/ml
Aliphatic EPH	3.104	21.565	4742420	40.98		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.838	12.838	3488877	31.02		ug/ml
Aliphatic C9-C28	3.104	16.761	2335225	17.574	1200	ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	02/23/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	02/25/25
Client Sample ID:	B-154-SB01	SDG No.:	Q1422
Lab Sample ID:	Q1422-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.4
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
FD049145.D	1	02/27/25	02/28/25	PB166923

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.43	J	0.34	0.75	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.65	J	0.38	1.13	mg/kg
Aromatic C16-C21	Aromatic C16-C21	2.26		1.08	1.88	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.26	U	2.26	3.01	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	58.4		40 - 140	117%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	60.8		40 - 140	122%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	34.7		40 - 140	69%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1422-01	Acq On:	28 Feb 2025 20:46
Client Sample ID:	B-154-SB01	Operator:	YP/AJ
Data file:	FD049145.D	Misc:	
Instrument:	FID_D	ALS Vial:	74
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.076	5.794	905838	5.696	200	ug/ml
Aromatic C12-C16	5.795	8.396	1381445	8.584	300	ug/ml
Aromatic C16-C21	8.397	12.661	4600277	29.997	500	ug/ml
Aromatic C21-C36	12.662	18.073	3650099	25.505	800	ug/ml
Aromatic EPH	4.076	18.073	10537659	69.782		ug/ml
2-Bromonaphthalene (SURRE)	7.351	7.351	8363016	58.44		ug/ml
2-Fluorobiphenyl (SURRE)	8.201	8.201	5346083	60.81		ug/ml
ortho-Terphenyl (SURRE)	11.234	11.234	5608061	34.67		ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	02/23/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	02/25/25
Client Sample ID:	B-154-SB02	SDG No.:	Q1422
Lab Sample ID:	Q1422-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.3
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
02/27/25 13:10	02/28/25 21:22	PB166923

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.44	U	1	0.44	1.14	mg/kg	FC068338.D
Aliphatic C12-C16	Aliphatic C12-C16	0.51	J	1	0.27	0.76	mg/kg	FC068338.D
Aliphatic C16-C21	Aliphatic C16-C21	0.41	J	1	0.34	1.14	mg/kg	FC068338.D
Aliphatic C21-C28	Aliphatic C21-C28	0.92	U	1	0.92	1.52	mg/kg	FC068338.D
Aliphatic C28-C40	Aliphatic C28-C40	2.06	U	1	2.06	2.29	mg/kg	FC068338.D
Aromatic C10-C12	Aromatic C10-C12	0.34	U	1	0.34	0.76	mg/kg	FD049146.D
Aromatic C12-C16	Aromatic C12-C16	0.45	J	1	0.39	1.14	mg/kg	FD049146.D
Aromatic C16-C21	Aromatic C16-C21	1.77	J	1	1.10	1.91	mg/kg	FD049146.D
Aromatic C21-C36	Aromatic C21-C36	2.29	U	1	2.29	3.05	mg/kg	FD049146.D
Total AliphaticEPH	Total AliphaticEPH	4.03	U		4.03	6.85	mg/kg	
Total AromaticEPH	Total AromaticEPH	4.12	U		4.12	6.86	mg/kg	
Total EPH	Total EPH	8.15	U		8.15	13.7	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:	02/23/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	02/25/25
Client Sample ID:	B-154-SB02	SDG No.:	Q1422
Lab Sample ID:	Q1422-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.3
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
FC068338.D	1	02/27/25	02/28/25	PB166923

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.44	U	0.44	1.14	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.51	J	0.27	0.76	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.41	J	0.34	1.14	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.92	U	0.92	1.52	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.06	U	2.06	2.29	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	48.7		40 - 140	97%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1422-02	Acq On:	28 Feb 2025 21:22
Client Sample ID:	B-154-SB02	Operator:	YP/AJ
Data file:	FC068338.D	Misc:	
Instrument:	FID_C	ALS Vial:	25
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.104	6.369	584524	4.145	300	ug/ml
Aliphatic C12-C16	6.370	9.754	907415	6.64	200	ug/ml
Aliphatic C16-C21	9.755	13.107	714840	5.431	300	ug/ml
Aliphatic C21-C28	13.108	16.761	683711	5.573	400	ug/ml
Aliphatic C28-C40	16.762	21.565	2639568	25.665	600	ug/ml
Aliphatic EPH	3.104	21.565	5530058	47.453		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.840	12.840	5478065	48.71		ug/ml
Aliphatic C9-C28	3.104	16.761	2890490	21.789	1200	ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	02/23/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	02/25/25
Client Sample ID:	B-154-SB02	SDG No.:	Q1422
Lab Sample ID:	Q1422-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.3
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
FD049146.D	1	02/27/25	02/28/25	PB166923

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.34	U	0.34	0.76	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.45	J	0.39	1.14	mg/kg
Aromatic C16-C21	Aromatic C16-C21	1.77	J	1.10	1.91	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.29	U	2.29	3.05	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	63.0		40 - 140	126%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	66.7		40 - 140	133%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	43.6		40 - 140	87%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1422-02	Acq On:	28 Feb 2025 21:22
Client Sample ID:	B-154-SB02	Operator:	YP/AJ
Data file:	FD049146.D	Misc:	
Instrument:	FID_D	ALS Vial:	75
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.076	5.794	714445	4.493	200	ug/ml
Aromatic C12-C16	5.795	8.396	948596	5.894	300	ug/ml
Aromatic C16-C21	8.397	12.661	3553201	23.169	500	ug/ml
Aromatic C21-C36	12.662	18.073	4005761	27.99	800	ug/ml
Aromatic EPH	4.076	18.073	9222003	61.546		ug/ml
2-Bromonaphthalene (SURR)	7.352	7.352	9010697	62.96		ug/ml
2-Fluorobiphenyl (SURR)	8.201	8.201	5866189	66.73		ug/ml
ortho-Terphenyl (SURR)	11.235	11.235	7059553	43.64		ug/ml



QC SUMMARY

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: PORT06
Lab Code: CHEM CASE No.: Q1422 SAS No.: Q1422 SDG No.: Q1422
Run Number: FC022825AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
PB166923BL	83			0
PB166923BS	78			0
PB166923BSD	77			0
P001-CLAY-CF01-01MS	61			0
P001-CLAY-CF01-01MSD	65			0
B-154-SB01	62			0
B-154-SB02	97			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.: Q1422 SAS No.: Q1422 SDG No.: Q1422
Run Number: FD022825AR

Client SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
PB166923BL	112	116	99	0
PB166923BS	117	124	106	0
PB166923BSD	118	126	107	0
P001-CLAY-CF01-01MS	118	124	67	0
P001-CLAY-CF01-01MSD	112	118	64	0
B-154-SB01	117	122	69	0
B-154-SB02	126	133	87	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

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture
Lab Code: CHEM **Cas No:** Q1422 **SAS No :** Q1422 **SDG No:** Q1422
Sample No : Q1421-02 **Datafile:** FC068334.D
Client ID : P001-CLAY-CF01-01MS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C9-C12	14.2	0	9.70	68		(40-140)
Aliphatic C12-C16	9.5	0.50	9.05	90		(40-140)
Aliphatic C16-C21	14.2	0.43	14.6	100		(40-140)
Aliphatic C21-C28	18.9	0	19.4	102		(40-140)
Aliphatic C28-C40	28.4	2.80	34.1	110		(40-140)

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture
Lab Code: CHEM **Cas No:** Q1422 **SAS No :** Q1422 **SDG No:** Q1422
Sample No : Q1421-03 **Datafile:** FC068335.D
Client ID : P001-CLAY-CF01-01MSD

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	14.2	0	9.71	68		0.15 (40-140) 25
Aliphatic C12-C16	9.5	0.50	9.10	91		0.44 (40-140) 25
Aliphatic C16-C21	14.2	0.43	14.7	100		0.1 (40-140) 25
Aliphatic C21-C28	18.9	0	19.6	103		0.98 (40-140) 25
Aliphatic C28-C40	28.4	2.80	34.6	111		0.9 (40-140) 25

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture
Lab Code: CHEM **Cas No:** Q1422 **SAS No :** Q1422 **SDG No:** Q1422
Sample No : Q1421-02 **Datafile:** FD049142.D
Client ID : P001-CLAY-CF01-01MS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aromatic C10-C12	9.5	0.47	9.80	99		(40-140)
Aromatic C12-C16	14.2	0.65	17.2	116		(40-140)
Aromatic C16-C21	23.7	2.61	35.7	139		(40-140)
Aromatic C21-C36	37.8	0	57.2	151	*	(40-140)

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture
Lab Code: CHEM **Cas No:** Q1422 **SAS No :** Q1422 **SDG No:** Q1422
Sample No : Q1421-03 **Datafile:** FD049143.D
Client ID : P001-CLAY-CF01-01MSD

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	9.5	0.47	9.34	94		5.1 (40-140)	25
Aromatic C12-C16	14.2	0.65	16.4	110		5.31 (40-140)	25
Aromatic C16-C21	23.7	2.61	34.2	133		4.41 (40-140)	25
Aromatic C21-C36	37.9	0	55.5	146	*	3.37 (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:** Q1422 **SAS No :** Q1422 **SDG No:** Q1422
Sample No : PB166923BS **Datafile:** FC068323.D
Client ID : PB166923BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C9-C12	10	6.53	65		(40-140)
Aliphatic C12-C16	6.7	5.75	86		(40-140)
Aliphatic C16-C21	10	9.57	96		(40-140)
Aliphatic C21-C28	13.3	12.9	97		(40-140)
Aliphatic C28-C40	20.0	21.3	106		(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:** Q1422 **SAS No :** Q1422 **SDG No:** Q1422
Sample No : PB166923BSD **Datafile:** FC068324.D
Client ID : PB166923BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS	QC Limit Of RPD
Aliphatic C9-C12	10	6.56	66		0.37 (40-140)	50
Aliphatic C12-C16	6.7	5.75	86		0 (40-140)	50
Aliphatic C16-C21	10	9.54	96		0.352 (40-140)	50
Aliphatic C21-C28	13.3	12.9	97		0.01 (40-140)	50
Aliphatic C28-C40	20.0	21.4	107		1 (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:** Q1422 **SAS No :** Q1422 **SDG No:** Q1422
Sample No : PB166923BS **Datafile:** FD049131.D
Client ID : PB166923BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aromatic C10-C12	6.7	6.49	97		(40-140)
Aromatic C12-C16	10	11.1	111		(40-140)
Aromatic C16-C21	16.7	21.5	129		(40-140)
Aromatic C21-C36	26.6	34.3	128		(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:** Q1422 **SAS No :** Q1422 **SDG No:** Q1422
Sample No : PB166923BSD **Datafile:** FD049132.D
Client ID : PB166923BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS	QC Limit Of RPD
Aromatic C10-C12	6.7	6.56	98		1.1 (40-140)	50
Aromatic C12-C16	10	11.3	113		1.9 (40-140)	50
Aromatic C16-C21	16.7	21.8	130		1.5 (40-140)	50
Aromatic C21-C36	26.6	34.9	130		2.3 (40-140)	50

4B
METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166923BL

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM Case No.: Q1422

SAS No.: Q1422 SDG NO.: Q1422

Instrument ID: FID_C

Lab Sample ID: PB166923BL

Matrix: (soil/water) Solid

Date Extracted: 2/27/2025 1:10:00 P

Level: (low/med) low

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

EPA SAMPLE NO.	LAB SAMPLE ID
PB166923BS	PB166923BS
B-154-SB01	Q1422-01
B-154-SB02	Q1422-02
PB166923BSD	PB166923BSD

COMMENTS: _____



QC SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166923BL	SDG No.:	Q1422
Lab Sample ID:	PB166923BL	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
02/27/25 13:10	02/28/25 11:00	PB166923

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.38	U	1	0.38	1.00	mg/kg	FC068322.D
Aliphatic C12-C16	Aliphatic C12-C16	0.24	U	1	0.24	0.67	mg/kg	FC068322.D
Aliphatic C16-C21	Aliphatic C16-C21	0.30	U	1	0.30	1.00	mg/kg	FC068322.D
Aliphatic C21-C28	Aliphatic C21-C28	0.80	U	1	0.80	1.33	mg/kg	FC068322.D
Aliphatic C28-C40	Aliphatic C28-C40	1.80	U	1	1.80	2.00	mg/kg	FC068322.D
Aromatic C10-C12	Aromatic C10-C12	0.30	U	1	0.30	0.67	mg/kg	FD049130.D
Aromatic C12-C16	Aromatic C12-C16	0.34	U	1	0.34	1.00	mg/kg	FD049130.D
Aromatic C16-C21	Aromatic C16-C21	0.96	U	1	0.96	1.67	mg/kg	FD049130.D
Aromatic C21-C36	Aromatic C21-C36	2.00	U	1	2.00	2.66	mg/kg	FD049130.D
Total AliphaticEPH	Total AliphaticEPH	3.52	U		3.52	5.99	mg/kg	
Total AromaticEPH	Total AromaticEPH	3.60	U		3.60	6.00	mg/kg	
Total EPH	Total EPH	7.12	U		7.12	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:	PB166923BL	SDG No.:	Q1422
Lab Sample ID:	PB166923BL	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
FC068322.D	1	02/27/25	02/28/25	PB166923

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.38	U	0.38	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.24	U	0.24	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.30	U	0.30	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.80	U	0.80	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.80	U	1.80	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	41.6		40 - 140	83%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB166923BL	Acq On:	28 Feb 2025 11:00
Client Sample ID:	PB166923BL	Operator:	YP/AJ
Data file:	FC068322.D	Misc:	
Instrument:	FID_C	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.104	6.369	0	0	300	ug/ml
Aliphatic C12-C16	6.370	9.754	0	0	200	ug/ml
Aliphatic C16-C21	9.755	13.107	0	0	300	ug/ml
Aliphatic C21-C28	13.108	16.761	0	0	400	ug/ml
Aliphatic C28-C40	16.762	21.565	0	0	600	ug/ml
Aliphatic EPH	3.104	21.565	0	0		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.840	12.840	4680251	41.61		ug/ml
Aliphatic C9-C28	3.104	16.761	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:	PB166923BL	SDG No.:	Q1422
Lab Sample ID:	PB166923BL	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
FD049130.D	1	02/27/25	02/28/25	PB166923

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.30	U	0.30	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.34	U	0.34	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	0.96	U	0.96	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.00	U	2.00	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	56.0		40 - 140	112%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	57.8		40 - 140	116%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	49.7		40 - 140	99%	SPK: 50



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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB166923BL	Acq On:	28 Feb 2025 11:00
Client Sample ID:	PB166923BL	Operator:	YP/AJ
Data file:	FD049130.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	4.076	5.794	0	0	200	ug/ml
Aromatic C12-C16	5.795	8.396	0	0	300	ug/ml
Aromatic C16-C21	8.397	12.661	0	0	500	ug/ml
Aromatic C21-C36	12.662	18.073	0	0	800	ug/ml
Aromatic EPH	4.076	18.073	0	0		ug/ml
ortho-Terphenyl (SURR)	11.236	11.236	8041222	49.71		ug/ml
2-Bromonaphthalene (SURR)	7.352	7.352	8010402	55.97		ug/ml
2-Fluorobiphenyl (SURR)	8.201	8.201	5081253	57.8		ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166923BS	SDG No.:	Q1422
Lab Sample ID:	PB166923BS	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
02/27/25 13:10	02/28/25 11:37	PB166923

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	6.53		1	0.38	1.00	mg/kg	FC068323.D
Aliphatic C12-C16	Aliphatic C12-C16	5.75		1	0.24	0.67	mg/kg	FC068323.D
Aliphatic C16-C21	Aliphatic C16-C21	9.57		1	0.30	1.00	mg/kg	FC068323.D
Aliphatic C21-C28	Aliphatic C21-C28	12.9		1	0.80	1.33	mg/kg	FC068323.D
Aliphatic C28-C40	Aliphatic C28-C40	21.3		1	1.80	2.00	mg/kg	FC068323.D
Aromatic C10-C12	Aromatic C10-C12	6.49		1	0.30	0.67	mg/kg	FD049131.D
Aromatic C12-C16	Aromatic C12-C16	11.1		1	0.34	1.00	mg/kg	FD049131.D
Aromatic C16-C21	Aromatic C16-C21	21.5		1	0.96	1.67	mg/kg	FD049131.D
Aromatic C21-C36	Aromatic C21-C36	34.3		1	2.00	2.66	mg/kg	FD049131.D
Total AliphaticEPH	Total AliphaticEPH	56.0			3.52	5.99	mg/kg	
Total AromaticEPH	Total AromaticEPH	73.4			3.60	6.00	mg/kg	
Total EPH	Total EPH	129			7.12	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:	PB166923BS	SDG No.:	Q1422
Lab Sample ID:	PB166923BS	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
FC068323.D	1	02/27/25	02/28/25	PB166923

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	6.53		0.38	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	5.75		0.24	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	9.57		0.30	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	12.9		0.80	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	21.3		1.80	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.9		40 - 140	78%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB166923BS	Acq On:	28 Feb 2025 11:37
Client Sample ID:	PB166923BS	Operator:	YP/AJ
Data file:	FC068323.D	Misc:	
Instrument:	FID_C	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.104	6.369	13831446	98.071	300	ug/ml
Aliphatic C12-C16	6.370	9.754	11804868	86.385	200	ug/ml
Aliphatic C16-C21	9.755	13.107	18912877	143.681	300	ug/ml
Aliphatic C21-C28	13.108	16.761	23798182	193.968	400	ug/ml
Aliphatic C28-C40	16.762	21.565	32890476	319.802	600	ug/ml
Aliphatic EPH	3.104	21.565	101237849	841.906		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.840	12.840	4376930	38.91		ug/ml
Aliphatic C9-C28	3.104	16.761	68347373	522.105	1200	ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166923BS	SDG No.:	Q1422
Lab Sample ID:	PB166923BS	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
FD049131.D	1	02/27/25	02/28/25	PB166923

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	6.49		0.30	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	11.1		0.34	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	21.5		0.96	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	34.3		2.00	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	58.3		40 - 140	117%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	61.9		40 - 140	124%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	53.0		40 - 140	106%	SPK: 50



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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB166923BS	Acq On:	28 Feb 2025 11:37
Client Sample ID:	PB166923BS	Operator:	YP/AJ
Data file:	FD049131.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	4.076	5.794	15506186	97.511	200	ug/ml
Aromatic C12-C16	5.795	8.396	26811280	166.596	300	ug/ml
Aromatic C16-C21	8.397	12.661	49558614	323.154	500	ug/ml
Aromatic C21-C36	12.662	18.073	73636189	514.525	800	ug/ml
Aromatic EPH	4.076	18.073	165512269	1100		ug/ml
2-Bromonaphthalene (SURRE)	7.352	7.352	8337130	58.26		ug/ml
2-Fluorobiphenyl (SURRE)	8.203	8.203	5441864	61.9		ug/ml
ortho-Terphenyl (SURRE)	11.237	11.237	8579131	53.03		ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166923BSD	SDG No.:	Q1422
Lab Sample ID:	PB166923BSD	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
02/27/25 13:10	02/28/25 12:13	PB166923

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	6.56		1	0.38	1.00	mg/kg FC068324.D
Aliphatic C12-C16	Aliphatic C12-C16	5.75		1	0.24	0.67	mg/kg FC068324.D
Aliphatic C16-C21	Aliphatic C16-C21	9.54		1	0.30	1.00	mg/kg FC068324.D
Aliphatic C21-C28	Aliphatic C21-C28	12.9		1	0.80	1.33	mg/kg FC068324.D
Aliphatic C28-C40	Aliphatic C28-C40	21.4		1	1.80	2.00	mg/kg FC068324.D
Aromatic C10-C12	Aromatic C10-C12	6.56		1	0.30	0.67	mg/kg FD049132.D
Aromatic C12-C16	Aromatic C12-C16	11.3		1	0.34	1.00	mg/kg FD049132.D
Aromatic C16-C21	Aromatic C16-C21	21.8		1	0.96	1.67	mg/kg FD049132.D
Aromatic C21-C36	Aromatic C21-C36	34.9		1	2.00	2.66	mg/kg FD049132.D
Total AliphaticEPH	Total AliphaticEPH	56.1			3.52	5.99	mg/kg
Total AromaticEPH	Total AromaticEPH	74.6			3.60	6.00	mg/kg
Total EPH	Total EPH	131			7.12	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:	PB166923BSD	SDG No.:	Q1422
Lab Sample ID:	PB166923BSD	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
FC068324.D	1	02/27/25	02/28/25	PB166923

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	6.56		0.38	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	5.75		0.24	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	9.54		0.30	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	12.9		0.80	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	21.4		1.80	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.7		40 - 140	77%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB166923BSD	Acq On:	28 Feb 2025 12:13
Client Sample ID:	PB166923BSD	Operator:	YP/AJ
Data file:	FC068324.D	Misc:	
Instrument:	FID_C	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.104	6.369	13889956	98.486	300	ug/ml
Aliphatic C12-C16	6.370	9.754	11796061	86.32	200	ug/ml
Aliphatic C16-C21	9.755	13.107	18839655	143.125	300	ug/ml
Aliphatic C21-C28	13.108	16.761	23724700	193.369	400	ug/ml
Aliphatic C28-C40	16.762	21.565	33036052	321.217	600	ug/ml
Aliphatic EPH	3.104	21.565	101286424	842.517		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.840	12.840	4356774	38.74		ug/ml
Aliphatic C9-C28	3.104	16.761	68250372	521.3	1200	ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166923BSD	SDG No.:	Q1422
Lab Sample ID:	PB166923BSD	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
FD049132.D	1	02/27/25	02/28/25	PB166923

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	6.56		0.30	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	11.3		0.34	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	21.8		0.96	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	34.9		2.00	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	59.0		40 - 140	118%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	63.0		40 - 140	126%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	53.6		40 - 140	107%	SPK: 50



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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB166923BSD	Acq On:	28 Feb 2025 12:13
Client Sample ID:	PB166923BSD	Operator:	YP/AJ
Data file:	FD049132.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	4.076	5.794	15663141	98.498	200	ug/ml
Aromatic C12-C16	5.795	8.396	27228831	169.191	300	ug/ml
Aromatic C16-C21	8.397	12.661	50286158	327.898	500	ug/ml
Aromatic C21-C36	12.662	18.073	74965222	523.812	800	ug/ml
Aromatic EPH	4.076	18.073	168143352	1120		ug/ml
ortho-Terphenyl (SURR)	11.237	11.237	8675284	53.63		ug/ml
2-Bromonaphthalene (SURR)	7.352	7.352	8444315	59.01		ug/ml
2-Fluorobiphenyl (SURR)	8.203	8.203	5539761	63.01		ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	02/24/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	02/24/25
Client Sample ID:	P001-CLAY-CF01-01MS	SDG No.:	Q1422
Lab Sample ID:	Q1421-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	70.3
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
FC068334.D	1	02/27/25	02/28/25	PB166923

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	9.70		0.54	1.42	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	9.05		0.34	0.95	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	14.6		0.43	1.42	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	19.4		1.14	1.89	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	34.1		2.55	2.84	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	30.6		40 - 140	61%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1421-02	Acq On:	28 Feb 2025 18:56
Client Sample ID:	P001-CLAY-CF01-01MS	Operator:	YP/AJ
Data file:	FC068334.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	3.104	6.369	14464917	102.562	300	ug/ml
Aliphatic C12-C16	6.370	9.754	13068443	95.631	200	ug/ml
Aliphatic C16-C21	9.755	13.107	20310392	154.298	300	ug/ml
Aliphatic C21-C28	13.108	16.761	25151936	205.002	400	ug/ml
Aliphatic C28-C40	16.762	21.565	37089980	360.634	600	ug/ml
Aliphatic EPH	3.104	21.565	110085668	918.128		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.839	12.839	3447568	30.65		ug/ml
Aliphatic C9-C28	3.104	16.761	72995688	557.493	1200	ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	02/24/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	02/24/25
Client Sample ID:	P001-CLAY-CF01-01MS	SDG No.:	Q1422
Lab Sample ID:	Q1421-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	70.3
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
FD049142.D	1	02/27/25	02/28/25	PB166923

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	9.80		0.43	0.95	mg/kg
Aromatic C12-C16	Aromatic C12-C16	17.2		0.48	1.42	mg/kg
Aromatic C16-C21	Aromatic C16-C21	35.7		1.36	2.37	mg/kg
Aromatic C21-C36	Aromatic C21-C36	57.2		2.84	3.78	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	59.0		40 - 140	118%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	62.2		40 - 140	124%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.3		40 - 140	67%	SPK: 50



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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1421-02	Acq On:	28 Feb 2025 18:56
Client Sample ID:	P001-CLAY-CF01-01MS	Operator:	YP/AJ
Data file:	FD049142.D	Misc:	
Instrument:	FID_D	ALS Vial:	71
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.076	5.794	16467986	103.559	200	ug/ml
Aromatic C12-C16	5.795	8.396	29311275	182.13	300	ug/ml
Aromatic C16-C21	8.397	12.661	57903456	377.567	500	ug/ml
Aromatic C21-C36	12.662	18.073	86473438	604.224	800	ug/ml
Aromatic EPH	4.076	18.073	190156155	1270		ug/ml
2-Bromonaphthalene (SURRE)	7.352	7.352	8441841	58.99		ug/ml
2-Fluorobiphenyl (SURRE)	8.203	8.203	5467908	62.2		ug/ml
ortho-Terphenyl (SURRE)	11.234	11.234	5392113	33.33		ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	02/24/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	02/24/25
Client Sample ID:	P001-CLAY-CF01-01MSD	SDG No.:	Q1422
Lab Sample ID:	Q1421-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	70.3
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
FC068335.D	1	02/27/25	02/28/25	PB166923

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
	Aliphatic C9-C12	Aliphatic C9-C12	9.71	0.54	1.42	mg/kg
	Aliphatic C12-C16	Aliphatic C12-C16	9.10	0.34	0.95	mg/kg
	Aliphatic C16-C21	Aliphatic C16-C21	14.7	0.43	1.42	mg/kg
	Aliphatic C21-C28	Aliphatic C21-C28	19.6	1.14	1.89	mg/kg
	Aliphatic C28-C40	Aliphatic C28-C40	34.6	2.56	2.84	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.3		40 - 140	65%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1421-03	Acq On:	28 Feb 2025 19:32
Client Sample ID:	P001-CLAY-CF01-01MSD	Operator:	YP/AJ
Data file:	FC068335.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	3.104	6.369	14461616	102.539	300	ug/ml
Aliphatic C12-C16	6.370	9.754	13124094	96.038	200	ug/ml
Aliphatic C16-C21	9.755	13.107	20440502	155.287	300	ug/ml
Aliphatic C21-C28	13.108	16.761	25406827	207.079	400	ug/ml
Aliphatic C28-C40	16.762	21.565	37555991	365.166	600	ug/ml
Aliphatic EPH	3.104	21.565	110989030	926.109		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.838	12.838	3629508	32.27		ug/ml
Aliphatic C9-C28	3.104	16.761	73433039	560.943	1200	ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	02/24/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	02/24/25
Client Sample ID:	P001-CLAY-CF01-01MSD	SDG No.:	Q1422
Lab Sample ID:	Q1421-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	70.3
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
FD049143.D	1	02/27/25	02/28/25	PB166923

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	9.34		0.43	0.95	mg/kg
Aromatic C12-C16	Aromatic C12-C16	16.4		0.48	1.42	mg/kg
Aromatic C16-C21	Aromatic C16-C21	34.2		1.36	2.37	mg/kg
Aromatic C21-C36	Aromatic C21-C36	55.5		2.84	3.79	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	55.9		40 - 140	112%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	59.1		40 - 140	118%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.0		40 - 140	64%	SPK: 50



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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1421-03	Acq On:	28 Feb 2025 19:32
Client Sample ID:	P001-CLAY-CF01-01MSD	Operator:	YP/AJ
Data file:	FD049143.D	Misc:	
Instrument:	FID_D	ALS Vial:	72
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.076	5.794	15672874	98.559	200	ug/ml
Aromatic C12-C16	5.795	8.396	27922630	173.502	300	ug/ml
Aromatic C16-C21	8.397	12.661	55344709	360.883	500	ug/ml
Aromatic C21-C36	12.662	18.073	83844627	585.856	800	ug/ml
Aromatic EPH	4.076	18.073	182784840	1220		ug/ml
2-Bromonaphthalene (SURR)	7.352	7.352	8004383	55.93		ug/ml
2-Fluorobiphenyl (SURR)	8.203	8.203	5197744	59.12		ug/ml
ortho-Terphenyl (SURR)	11.234	11.234	5182415	32.03		ug/ml



CALIBRATION SUMMARY

Initial Calibration Report for SequenceID : FC021125AL

AreaCount

Parameter Range	FC068252.D	FC068253.D	FC068254.D	FC068255.D	FC068256.D	
Aliphatic C9-C12	39331006.000	20240186.000	8511519.000	4474674.000	2221877.000	
Aliphatic C12-C16	25563872.000	13091029.000	5472087.000	2866719.000	1444048.000	
Aliphatic C16-C21	36707935.000	18751121.000	7907675.000	4144581.000	2112599.000	
Aliphatic C21-C28	45593595.000	23234194.000	9834944.000	5144532.000	2635031.000	
Aliphatic C28-C40	56736862.000	29009865.000	12324513.000	6514067.000	3350978.000	
Aliphatic EPH	203933270.000	104326395.000	44050738.000	23144573.000	11764533.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	141035.5019998	5.636				
Aliphatic C12-C16	136654.515	5.375				
Aliphatic C16-C21	131630.8946664	6.092				
Aliphatic C21-C28	122691.3215	6.255				
Aliphatic C28-C40	102846.462333	7.171				
Aliphatic EPH	122175.1266664	6.234				

Concentration

Parameter Range	FC068252.D	FC068253.D	FC068254.D	FC068255.D	FC068256.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	FC068252.D	FC068253.D	FC068254.D	FC068255.D	FC068256.D	
Aliphatic C9-C12	131103.353333	134934.573333	141858.650000	149155.800000	148125.133333	
Aliphatic C12-C16	127819.360000	130910.290000	136802.175000	143335.950000	144404.800000	
Aliphatic C16-C21	122359.783333	125007.473333	131794.583333	138152.700000	140839.933333	

Initial Calibration Report for SequenceID : FC021125AL

Aliphatic C21-C28	113983.987500	116170.970000	122936.800000	128613.300000	131751.550000	
Aliphatic C28-C40	94561.436666	96699.550000	102704.275000	108567.783333	111699.266666	
Aliphatic EPH	113296.261111	115918.216666	122363.161111	128580.961111	130717.033333	

Initial Calibration Report for SequenceID : FD021125AR

AreaCount

Parameter Range	FD049072.D	FD049073.D	FD049074.D	FD049075.D	FD049076.D	
Aromatic C10-C12	30133782.000	15194817.000	6263156.000	3318077.000	1700032.000	
Aromatic C12-C16	44977690.000	22823722.000	9507721.000	5041964.000	2641021.000	
Aromatic C16-C21	58435647.000	29734390.000	12145436.000	6295751.000	3256475.000	
Aromatic C21-C36	121981098.000	62220992.000	25499877.000	13225172.000	6892110.000	
Aromatic EPH	255528217.000	129973921.000	53416190.000	27880964.000	14489638.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aromatic C10-C12	159020.606	5.389				
Aromatic C12-C16	160935.8659994	6.836				
Aromatic C16-C21	153359.3085	4.411				
Aromatic C21-C36	143114.7526664	4.923				
Aromatic EPH	150128.8232216	5.194				

Concentration

Parameter Range	FD049072.D	FD049073.D	FD049074.D	FD049075.D	FD049076.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	FD049072.D	FD049073.D	FD049074.D	FD049075.D	FD049076.D	
Aromatic C10-C12	150668.910000	151948.170000	156578.900000	165903.850000	170003.200000	
Aromatic C12-C16	149925.633333	152158.146666	158462.016666	168065.466666	176068.066666	
Aromatic C16-C21	146089.117500	148671.950000	151817.950000	157393.775000	162823.750000	
Aromatic C21-C36	135534.553333	138268.871111	141665.983333	146946.355555	153158.000000	
Aromatic EPH	141960.120555	144415.467777	148378.305555	154894.244444	160995.977777	

Continuing Calibration Report for SequenceID : FC022825AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FC068321.D

Aliphatic C9-C12	8795568.000	60.000	3.104	6.369	146592.800	141035.502	-3.940
Aliphatic C12-C16	5630378.000	40.000	6.370	9.754	140759.450	136654.515	-3.004
Aliphatic C16-C21	8123361.000	60.000	9.755	13.107	135389.350	131630.895	-2.855
Aliphatic C21-C28	10243894.000	80.000	13.108	16.761	128048.675	122691.322	-4.367
Aliphatic C28-C40	13204528.000	120.000	16.762	21.565	110037.733	102846.462	-6.992
Aliphatic EPH	45997729.000	360.000	3.104	21.565	127771.469	122175.127	-4.581

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	28 Feb 2025 10:23
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068321.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.104	6.369	8795568.000	60.000	ug/ml
Aliphatic C12-C16	6.370	9.754	5630378.000	40.000	ug/ml
Aliphatic C16-C21	9.755	13.107	8123361.000	60.000	ug/ml
Aliphatic C21-C28	13.108	16.761	10243894.000	80.000	ug/ml
Aliphatic C28-C40	16.762	21.565	13204528.000	120.000	ug/ml
Aliphatic EPH	3.104	21.565	45997729.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FC022825AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FC068331.D

Aliphatic C9-C12	8595776.000	60.000	3.104	6.369	143262.933	141035.502	-1.579
Aliphatic C12-C16	5515542.000	40.000	6.370	9.754	137888.550	136654.515	-0.903
Aliphatic C16-C21	7931958.000	60.000	9.755	13.107	132199.300	131630.895	-0.432
Aliphatic C21-C28	9960510.000	80.000	13.108	16.761	124506.375	122691.322	-1.479
Aliphatic C28-C40	13030922.000	120.000	16.762	21.565	108591.017	102846.462	-5.586
Aliphatic EPH	45034708.000	360.000	3.104	21.565	125096.411	122175.127	-2.391

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	28 Feb 2025 16:30
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068331.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.104	6.369	8595776.000	60.000	ug/ml
Aliphatic C12-C16	6.370	9.754	5515542.000	40.000	ug/ml
Aliphatic C16-C21	9.755	13.107	7931958.000	60.000	ug/ml
Aliphatic C21-C28	13.108	16.761	9960510.000	80.000	ug/ml
Aliphatic C28-C40	16.762	21.565	13030922.000	120.000	ug/ml
Aliphatic EPH	3.104	21.565	45034708.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FC022825AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FC068341.D

Aliphatic C9-C12	8509686.000	60.000	3.104	6.369	141828.100	141035.502	-0.562
Aliphatic C12-C16	5481187.000	40.000	6.370	9.754	137029.675	136654.515	-0.275
Aliphatic C16-C21	7916038.000	60.000	9.755	13.107	131933.967	131630.895	-0.230
Aliphatic C21-C28	9928727.000	80.000	13.108	16.761	124109.088	122691.322	-1.156
Aliphatic C28-C40	13203681.000	120.000	16.762	21.565	110030.675	102846.462	-6.985
Aliphatic EPH	45039319.000	360.000	3.104	21.565	125109.219	122175.127	-2.402

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	28 Feb 2025 23:50
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068341.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.104	6.369	8509686.000	60.000	ug/ml
Aliphatic C12-C16	6.370	9.754	5481187.000	40.000	ug/ml
Aliphatic C16-C21	9.755	13.107	7916038.000	60.000	ug/ml
Aliphatic C21-C28	13.108	16.761	9928727.000	80.000	ug/ml
Aliphatic C28-C40	16.762	21.565	13203681.000	120.000	ug/ml
Aliphatic EPH	3.104	21.565	45039319.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FD022825AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FD049129.D

Aromatic C10-C12	6160252.000	40.000	4.076	5.794	154006.300	159020.606	3.153
Aromatic C12-C16	9402232.000	60.000	5.795	8.396	156703.867	160935.866	2.630
Aromatic C16-C21	11641914.000	80.000	8.397	12.661	145523.925	153359.309	5.109
Aromatic C21-C36	23657575.000	180.000	12.662	18.073	131430.972	143114.753	8.164
Aromatic EPH	50861973.000	360.000	4.076	18.073	141283.258	150128.823	5.892

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	28 Feb 2025 10:23
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049129.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.076	5.794	6160252.000	40.000	ug/ml
Aromatic C12-C16	5.795	8.396	9402232.000	60.000	ug/ml
Aromatic C16-C21	8.397	12.661	11641914.000	80.000	ug/ml
Aromatic C21-C36	12.662	18.073	23657575.000	180.000	ug/ml
Aromatic EPH	4.076	18.073	50861973.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FD022825AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FD049139.D

Aromatic C10-C12	6813477.000	40.000	4.076	5.794	170336.925	159020.606	-7.116
Aromatic C12-C16	10472510.000	60.000	5.795	8.396	174541.833	160935.866	-8.454
Aromatic C16-C21	13024891.000	80.000	8.397	12.661	162811.138	153359.309	-6.163
Aromatic C21-C36	26617558.000	180.000	12.662	18.073	147875.322	143114.753	-3.326
Aromatic EPH	56928436.000	360.000	4.076	18.073	158134.544	150128.823	-5.333

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	28 Feb 2025 16:30
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049139.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.076	5.794	6813477.000	40.000	ug/ml
Aromatic C12-C16	5.795	8.396	10472510.000	60.000	ug/ml
Aromatic C16-C21	8.397	12.661	13024891.000	80.000	ug/ml
Aromatic C21-C36	12.662	18.073	26617558.000	180.000	ug/ml
Aromatic EPH	4.076	18.073	56928436.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FD022825AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FD049149.D

Aromatic C10-C12	6973708.000	40.000	4.076	5.794	174342.700	159020.606	-9.635
Aromatic C12-C16	10519197.000	60.000	5.795	8.396	175319.950	160935.866	-8.938
Aromatic C16-C21	13182289.000	80.000	8.397	12.661	164778.613	153359.309	-7.446
Aromatic C21-C36	27715585.000	180.000	12.662	18.073	153975.472	143114.753	-7.589
Aromatic EPH	58390779.000	360.000	4.076	18.073	162196.608	150128.823	-8.038

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	28 Feb 2025 23:50
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049149.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.076	5.794	6973708.000	40.000	ug/ml
Aromatic C12-C16	5.795	8.396	10519197.000	60.000	ug/ml
Aromatic C16-C21	8.397	12.661	13182289.000	80.000	ug/ml
Aromatic C21-C36	12.662	18.073	27715585.000	180.000	ug/ml
Aromatic EPH	4.076	18.073	58390779.000	360.000	ug/ml



SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022825AL\
Data File : FC068337.D
Signal(s) : FID1A.ch
Acq On : 28 Feb 2025 20:46
Operator : YP/AJ
Sample : Q1422-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
B-154-SB01

Integration File: autoint1.e
Quant Time: Mar 05 05:25:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Mar 05 03:08:52 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...	12.838	3488877	31.019 ug/ml
Spiked Amount	50.000	Recovery	= 62.04%

Target Compounds

(f)=RT Delta > 1/2 Window

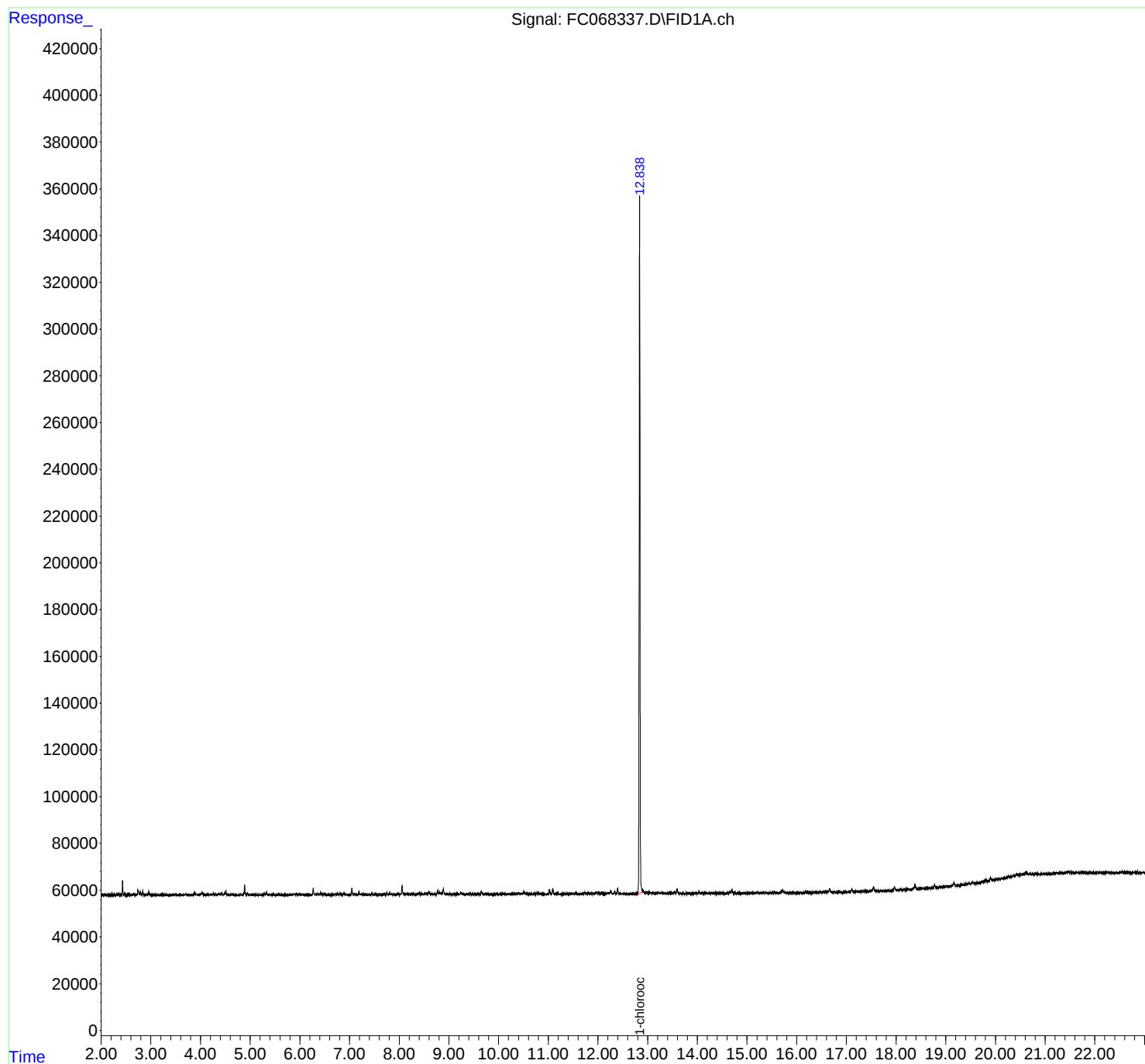
(m)=manual int.

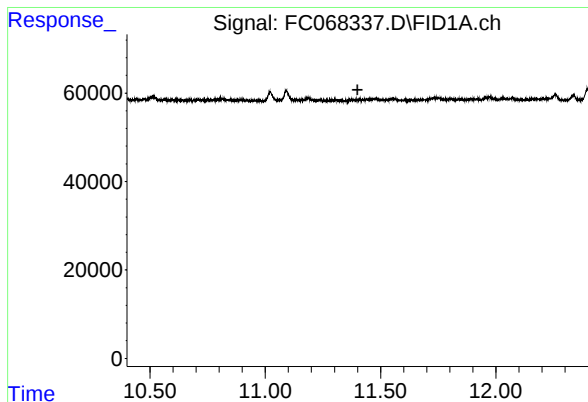
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022825AL\
Data File : FC068337.D
Signal(s) : FID1A.ch
Acq On : 28 Feb 2025 20:46
Operator : YP/AJ
Sample : Q1422-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
B-154-SB01

Integration File: autoint1.e
Quant Time: Mar 05 05:25:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Mar 05 03:08:52 2025
Response via : Initial Calibration
Integrator: ChemStation

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

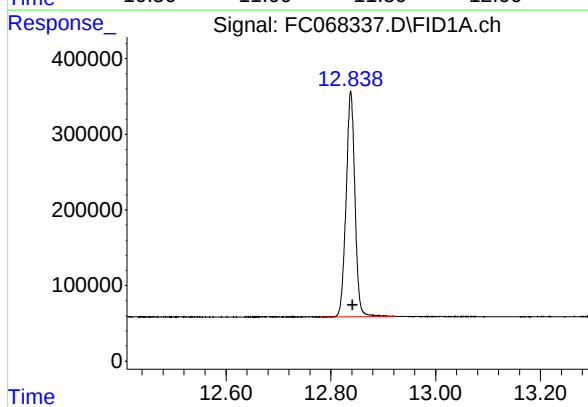




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.400 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
B-154-SB01



#12 1-chlorooctadecane (SURR)

R.T.: 12.838 min
Delta R.T.: -0.003 min
Response: 3488877
Conc: 31.02 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022825AL\
 Data File : FC068337.D
 Signal(s) : FID1A.ch
 Acq On : 28 Feb 2025 20:46
 Sample : Q1422-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.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	2.359	2.304	2.404	BV	436	2877	0.08%	0.033%
2	2.431	2.404	2.455	PV	6140	46501	1.31%	0.536%
3	2.472	2.455	2.511	VV	856	7585	0.21%	0.087%
4	2.517	2.511	2.528	VV	71	531	0.01%	0.006%
5	2.540	2.528	2.570	PV	104	1585	0.04%	0.018%
6	2.592	2.570	2.602	VV	180	1272	0.04%	0.015%
7	2.614	2.602	2.636	VV	146	1415	0.04%	0.016%
8	2.655	2.636	2.688	PV	566	6814	0.19%	0.078%
9	2.742	2.688	2.770	VV	1940	29816	0.84%	0.343%
10	2.788	2.770	2.810	VV	1663	16830	0.47%	0.194%
11	2.838	2.810	2.861	VV	1826	18559	0.52%	0.214%
12	2.870	2.861	2.898	VV	225	3369	0.09%	0.039%
13	2.915	2.898	2.944	VV	219	4835	0.14%	0.056%
14	2.960	2.944	3.021	VV	1442	17608	0.49%	0.203%
15	3.026	3.021	3.050	VV	199	2250	0.06%	0.026%
16	3.089	3.050	3.098	VV	164	3364	0.09%	0.039%
17	3.135	3.098	3.148	VV	159	3716	0.10%	0.043%
18	3.163	3.148	3.175	VV	185	2289	0.06%	0.026%
19	3.207	3.175	3.235	VV	364	6807	0.19%	0.078%
20	3.249	3.235	3.315	VV	165	6163	0.17%	0.071%
21	3.327	3.315	3.338	VV	188	1608	0.05%	0.019%
22	3.410	3.338	3.439	PV	209	8484	0.24%	0.098%
23	3.498	3.439	3.514	VV	678	10809	0.30%	0.124%
24	3.524	3.514	3.545	VV	419	4212	0.12%	0.049%
25	3.570	3.545	3.601	VV	271	6544	0.18%	0.075%
26	3.608	3.601	3.636	VV	280	3821	0.11%	0.044%
27	3.651	3.636	3.662	VV	204	2357	0.07%	0.027%
28	3.669	3.662	3.674	VV	120	854	0.02%	0.010%
29	3.694	3.674	3.738	VV	456	9640	0.27%	0.111%
30	3.744	3.738	3.761	VV	232	2756	0.08%	0.032%
31	3.775	3.761	3.833	VV	392	9152	0.26%	0.105%
32	3.866	3.833	3.878	VV	687	8909	0.25%	0.103%
33	3.893	3.878	3.946	VV	1077	16245	0.46%	0.187%
34	3.956	3.946	3.989	VV	267	4536	0.13%	0.052%
35	4.032	3.989	4.070	VV	1088	25074	0.70%	0.289%
36	4.084	4.070	4.122	VV	264	6251	0.18%	0.072%

					rt	Area	Height	%Area	%Height
37	4.165	4.122	4.208	VV	220	10063	0.28%	0.116%	
38	4.220	4.208	4.237	VV	226	4023	0.11%	0.046%	
39	4.262	4.237	4.287	VV	723	11540	0.32%	0.133%	
40	4.300	4.287	4.341	VV	465	9879	0.28%	0.114%	
41	4.366	4.341	4.394	VV	543	10597	0.30%	0.122%	
42	4.428	4.394	4.465	VV	1305	21328	0.60%	0.246%	
43	4.483	4.465	4.497	VV	981	10776	0.30%	0.124%	
44	4.513	4.497	4.552	VV	1807	20180	0.57%	0.232%	
45	4.580	4.552	4.591	VV	179	3198	0.09%	0.037%	
46	4.630	4.591	4.668	VV	247	7451	0.21%	0.086%	
47	4.675	4.668	4.693	VV	167	2110	0.06%	0.024%	
48	4.706	4.693	4.753	VV	242	4062	0.11%	0.047%	
49	4.785	4.753	4.794	VV	163	2444	0.07%	0.028%	
50	4.811	4.794	4.848	VV	317	5285	0.15%	0.061%	
51	4.889	4.848	4.924	VV	4355	53999	1.52%	0.622%	
52	4.946	4.924	4.990	VV	878	14082	0.40%	0.162%	
53	5.000	4.990	5.044	VV	184	4236	0.12%	0.049%	
54	5.080	5.044	5.111	VV	287	5934	0.17%	0.068%	
55	5.124	5.111	5.150	VV	248	3562	0.10%	0.041%	
56	5.178	5.150	5.195	VV	268	4818	0.14%	0.055%	
57	5.203	5.195	5.218	VV	162	1523	0.04%	0.018%	
58	5.257	5.218	5.273	VV	193	4141	0.12%	0.048%	
59	5.292	5.273	5.308	VV	539	7020	0.20%	0.081%	
60	5.331	5.308	5.367	VV	1389	19778	0.56%	0.228%	
61	5.389	5.367	5.418	VV	328	6748	0.19%	0.078%	
62	5.431	5.418	5.441	VV	182	2149	0.06%	0.025%	
63	5.469	5.441	5.554	VV	348	11105	0.31%	0.128%	
64	5.579	5.554	5.607	VV	260	6052	0.17%	0.070%	
65	5.657	5.607	5.691	VV	219	6929	0.19%	0.080%	
66	5.698	5.691	5.719	VV	151	1496	0.04%	0.017%	
67	5.844	5.719	5.864	VV	341	14988	0.42%	0.173%	
68	5.886	5.864	5.907	VV	381	7236	0.20%	0.083%	
69	5.929	5.907	5.961	VV	719	11262	0.32%	0.130%	
70	5.989	5.961	6.026	VV	351	9095	0.26%	0.105%	
71	6.060	6.026	6.091	VV	380	9446	0.27%	0.109%	
72	6.102	6.091	6.146	VV	184	3619	0.10%	0.042%	
73	6.191	6.146	6.219	VV	218	6217	0.17%	0.072%	
74	6.235	6.219	6.248	VV	173	2353	0.07%	0.027%	
75	6.269	6.248	6.328	VV	2892	41053	1.15%	0.473%	
76	6.351	6.328	6.370	VV	772	9992	0.28%	0.115%	
77	6.387	6.370	6.399	VV	482	5512	0.15%	0.063%	
78	6.416	6.399	6.436	VV	1036	13355	0.38%	0.154%	
79	6.447	6.436	6.468	VV	399	5908	0.17%	0.068%	
80	6.488	6.468	6.536	VV	678	10887	0.31%	0.125%	
81	6.546	6.536	6.558	VV	144	1519	0.04%	0.017%	
82	6.574	6.558	6.586	VV	203	2229	0.06%	0.026%	
83	6.591	6.586	6.618	VV	139	1503	0.04%	0.017%	
84	6.631	6.618	6.649	VV	215	2588	0.07%	0.030%	
85	6.660	6.649	6.681	VV	202	2877	0.08%	0.033%	
86	6.708	6.681	6.738	VV	746	10186	0.29%	0.117%	
87	6.760	6.738	6.798	PV	746	14813	0.42%	0.171%	
88	6.809	6.798	6.855	VV	760	15415	0.43%	0.178%	
89	6.886	6.855	6.909	VV	1162	17052	0.48%	0.196%	

					rteres			
90	6.927	6.909	6.948	VV	240	3728	0.10%	0.043%
91	6.991	6.948	7.017	VV	276	7668	0.22%	0.088%
92	7.047	7.017	7.087	VV	2969	34570	0.97%	0.398%
93	7.102	7.087	7.114	VV	321	4188	0.12%	0.048%
94	7.125	7.114	7.139	VV	423	4632	0.13%	0.053%
95	7.154	7.139	7.165	VV	463	5180	0.15%	0.060%
96	7.189	7.165	7.238	VV	1097	20960	0.59%	0.241%
97	7.248	7.238	7.264	VV	461	5778	0.16%	0.067%
98	7.278	7.264	7.306	VV	483	7091	0.20%	0.082%
99	7.340	7.306	7.384	VV	213	5426	0.15%	0.062%
100	7.392	7.384	7.414	VV	152	1970	0.06%	0.023%
101	7.448	7.414	7.476	VV	1016	12940	0.36%	0.149%
102	7.532	7.476	7.542	PV	223	4598	0.13%	0.053%
103	7.549	7.542	7.571	VV	197	2222	0.06%	0.026%
104	7.609	7.571	7.627	VV	214	5828	0.16%	0.067%
105	7.654	7.627	7.689	VV	233	6391	0.18%	0.074%
106	7.709	7.689	7.731	VV	302	4490	0.13%	0.052%
107	7.752	7.731	7.778	VV	850	9956	0.28%	0.115%
108	7.809	7.778	7.829	VV	770	9883	0.28%	0.114%
109	7.846	7.829	7.862	VV	244	3919	0.11%	0.045%
110	7.878	7.862	7.904	VV	366	4716	0.13%	0.054%
111	7.909	7.904	7.946	VV	108	2285	0.06%	0.026%
112	7.963	7.946	8.021	VV	354	8423	0.24%	0.097%
113	8.057	8.021	8.134	VV	3855	58047	1.63%	0.668%
114	8.167	8.134	8.185	VV	566	13122	0.37%	0.151%
115	8.202	8.185	8.234	VV	518	9894	0.28%	0.114%
116	8.248	8.234	8.270	VV	481	6331	0.18%	0.073%
117	8.288	8.270	8.330	VV	512	7791	0.22%	0.090%
118	8.403	8.330	8.450	VV	632	26427	0.74%	0.304%
119	8.471	8.450	8.489	VV	436	8629	0.24%	0.099%
120	8.506	8.489	8.534	VV	579	12765	0.36%	0.147%
121	8.544	8.534	8.573	VV	513	10024	0.28%	0.115%
122	8.593	8.573	8.632	VV	996	22753	0.64%	0.262%
123	8.652	8.632	8.684	VV	429	8125	0.23%	0.094%
124	8.707	8.684	8.728	VV	431	6483	0.18%	0.075%
125	8.742	8.728	8.750	VV	315	3256	0.09%	0.037%
126	8.775	8.750	8.798	VV	1840	26024	0.73%	0.300%
127	8.810	8.798	8.858	VV	966	24359	0.68%	0.281%
128	8.890	8.858	8.943	VV	2320	43498	1.22%	0.501%
129	8.962	8.943	8.984	VV	605	8921	0.25%	0.103%
130	9.011	8.984	9.039	VV	391	6683	0.19%	0.077%
131	9.070	9.039	9.080	VV	337	5154	0.14%	0.059%
132	9.089	9.080	9.104	VV	265	3607	0.10%	0.042%
133	9.112	9.104	9.137	VV	266	4284	0.12%	0.049%
134	9.172	9.137	9.214	VV	496	13009	0.37%	0.150%
135	9.239	9.214	9.275	VV	929	14938	0.42%	0.172%
136	9.306	9.275	9.356	VV	313	8373	0.24%	0.096%
137	9.381	9.356	9.413	VV	374	6997	0.20%	0.081%
138	9.431	9.413	9.510	VV	483	11599	0.33%	0.134%
139	9.520	9.510	9.554	VV	147	2428	0.07%	0.028%
140	9.574	9.554	9.618	VV	360	7190	0.20%	0.083%
141	9.653	9.618	9.702	VV	1435	23566	0.66%	0.271%

					rteres			
142	9.731	9.702	9.788	VV	355	11530	0.32%	0.133%
143	9.798	9.788	9.842	VV	230	5139	0.14%	0.059%
144	9.919	9.842	9.944	VV	221	6821	0.19%	0.079%
145	9.969	9.944	10.011	VV	405	8782	0.25%	0.101%
146	10.044	10.011	10.062	VV	418	8689	0.24%	0.100%
147	10.081	10.062	10.101	VV	369	6434	0.18%	0.074%
148	10.133	10.101	10.148	VV	416	6961	0.20%	0.080%
149	10.159	10.148	10.204	VV	271	5764	0.16%	0.066%
150	10.249	10.204	10.304	VV	389	14316	0.40%	0.165%
151	10.330	10.304	10.350	VV	513	9706	0.27%	0.112%
152	10.392	10.350	10.428	VV	654	17498	0.49%	0.202%
153	10.442	10.428	10.458	VV	453	5920	0.17%	0.068%
154	10.477	10.458	10.486	VV	459	6224	0.17%	0.072%
155	10.514	10.486	10.548	VV	1134	21942	0.62%	0.253%
156	10.563	10.548	10.594	VV	331	6802	0.19%	0.078%
157	10.601	10.594	10.684	VV	280	10993	0.31%	0.127%
158	10.711	10.684	10.731	VV	330	5971	0.17%	0.069%
159	10.756	10.731	10.767	VV	276	4544	0.13%	0.052%
160	10.777	10.767	10.790	VV	306	3510	0.10%	0.040%
161	10.811	10.790	10.834	VV	519	9245	0.26%	0.106%
162	10.843	10.834	10.866	VV	277	3754	0.11%	0.043%
163	10.875	10.866	10.881	VV	189	1399	0.04%	0.016%
164	10.892	10.881	10.957	VV	283	5695	0.16%	0.066%
165	10.966	10.957	10.988	VV	136	1543	0.04%	0.018%
166	11.021	10.988	11.055	PV	2065	30012	0.84%	0.346%
167	11.091	11.055	11.128	VV	2368	35804	1.01%	0.412%
168	11.138	11.128	11.160	VV	242	4441	0.12%	0.051%
169	11.185	11.160	11.231	VV	695	12777	0.36%	0.147%
170	11.238	11.231	11.259	VV	146	1755	0.05%	0.020%
171	11.313	11.259	11.358	VV	163	5372	0.15%	0.062%
172	11.441	11.358	11.458	VV	312	13127	0.37%	0.151%
173	11.479	11.458	11.532	VV	435	12715	0.36%	0.146%
174	11.555	11.532	11.590	VV	416	9872	0.28%	0.114%
175	11.608	11.590	11.633	VV	173	3054	0.09%	0.035%
176	11.733	11.633	11.779	VV	649	28773	0.81%	0.331%
177	11.800	11.779	11.828	VV	375	8893	0.25%	0.102%
178	11.850	11.828	11.872	VV	304	6273	0.18%	0.072%
179	11.891	11.872	11.938	VV	431	12209	0.34%	0.141%
180	11.973	11.938	12.012	VV	853	22730	0.64%	0.262%
181	12.030	12.012	12.053	VV	557	9499	0.27%	0.109%
182	12.070	12.053	12.094	VV	545	9071	0.25%	0.104%
183	12.163	12.094	12.190	VV	379	14777	0.42%	0.170%
184	12.259	12.190	12.296	VV	1379	34581	0.97%	0.398%
185	12.337	12.296	12.364	VV	1281	18594	0.52%	0.214%
186	12.396	12.364	12.471	VV	2561	39797	1.12%	0.458%
187	12.510	12.471	12.618	VV	290	10129	0.28%	0.117%
188	12.678	12.618	12.733	VV	258	12063	0.34%	0.139%
189	12.765	12.733	12.777	VV	257	4842	0.14%	0.056%
190	12.838	12.777	12.991	VV	297951	3558499	100.00%	40.981%
191	13.005	12.991	13.094	VV	671	31192	0.88%	0.359%
192	13.126	13.094	13.178	VV	452	15985	0.45%	0.184%
193	13.217	13.178	13.247	VV	464	14289	0.40%	0.165%
194	13.290	13.247	13.324	VV	537	18225	0.51%	0.210%

195	13.340	13.324	13.395	VV	284	10635	0.30%	0.122%
196	13.464	13.395	13.512	VV	410	19366	0.54%	0.223%
197	13.541	13.512	13.568	VV	1029	18345	0.52%	0.211%
198	13.593	13.568	13.760	VV	2208	47999	1.35%	0.553%
199	13.819	13.760	13.916	PV	286	16174	0.45%	0.186%
200	14.033	13.916	14.104	VV	878	32620	0.92%	0.376%
201	14.155	14.104	14.208	VV	375	14922	0.42%	0.172%
202	14.292	14.208	14.376	VV	326	23413	0.66%	0.270%
203	14.463	14.376	14.589	VV	345	25006	0.70%	0.288%
204	14.652	14.589	14.670	VV	830	16753	0.47%	0.193%
205	14.695	14.670	14.830	VV	1823	40710	1.14%	0.469%
206	14.862	14.830	14.916	VV	226	6325	0.18%	0.073%
207	14.939	14.916	14.958	VV	171	2471	0.07%	0.028%
208	14.997	14.958	15.031	VV	174	3649	0.10%	0.042%
209	15.082	15.031	15.098	VV	127	3814	0.11%	0.044%
210	15.216	15.098	15.308	VV	411	20028	0.56%	0.231%
211	15.351	15.308	15.368	VV	203	4692	0.13%	0.054%
212	15.398	15.368	15.464	VV	201	8751	0.25%	0.101%
213	15.549	15.464	15.639	VV	293	18226	0.51%	0.210%
214	15.713	15.639	15.842	VV	1504	44639	1.25%	0.514%
215	15.897	15.842	15.938	VV	186	6234	0.18%	0.072%
216	15.959	15.938	15.977	PV	94	1339	0.04%	0.015%
217	16.048	15.977	16.131	PV	165	7350	0.21%	0.085%
218	16.196	16.131	16.341	VV	629	21643	0.61%	0.249%
219	16.369	16.341	16.441	VV	220	9604	0.27%	0.111%
220	16.495	16.441	16.518	VV	201	6738	0.19%	0.078%
221	16.547	16.518	16.598	VV	267	9457	0.27%	0.109%
222	16.661	16.598	16.795	VV	1654	47330	1.33%	0.545%
223	16.821	16.795	16.918	PV	125	3967	0.11%	0.046%
224	16.955	16.918	16.994	PV	208	4201	0.12%	0.048%
225	17.112	16.994	17.168	VV	1117	28103	0.79%	0.324%
226	17.230	17.168	17.291	VV	256	9160	0.26%	0.105%
227	17.312	17.291	17.358	VV	150	4446	0.12%	0.051%
228	17.395	17.358	17.414	VV	131	4075	0.11%	0.047%
229	17.547	17.414	17.634	VV	1944	50278	1.41%	0.579%
230	17.716	17.634	17.761	VV	189	9562	0.27%	0.110%
231	17.843	17.761	17.894	PV	237	7459	0.21%	0.086%
232	17.970	17.894	18.071	PV	1624	31764	0.89%	0.366%
233	18.181	18.071	18.204	VV	68	5268	0.15%	0.061%
234	18.242	18.204	18.291	VV	217	6637	0.19%	0.076%
235	18.379	18.291	18.454	VV	2000	43868	1.23%	0.505%
236	18.500	18.454	18.601	VV	240	7681	0.22%	0.088%
237	18.638	18.601	18.654	PV	146	2479	0.07%	0.029%
238	18.777	18.654	18.819	VV	1202	24499	0.69%	0.282%
239	18.832	18.819	18.844	VV	163	1652	0.05%	0.019%
240	18.909	18.844	18.924	VV	188	5752	0.16%	0.066%
241	18.951	18.924	18.994	VV	289	6511	0.18%	0.075%
242	19.162	18.994	19.237	PV	1638	52651	1.48%	0.606%
243	19.467	19.237	19.499	VV	610	51481	1.45%	0.593%
244	19.538	19.499	19.568	VV	1133	27861	0.78%	0.321%
245	19.592	19.568	19.609	VV	497	11796	0.33%	0.136%
246	19.798	19.609	19.834	VV	1576	101312	2.85%	1.167%

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247	19.901	19.834	19.933	VV	2060	73835	2.07%	0.850%	
248	19.977	19.933	19.992	VV	1255	42573	1.20%	0.490%	
249	20.259	19.992	20.278	VV	2036	251251	7.06%	2.893%	
250	20.433	20.278	20.481	VV	2816	267741	7.52%	3.083%	
251	20.613	20.481	20.662	VV	3149	278459	7.83%	3.207%	
252	20.684	20.662	20.753	VV	2420	127095	3.57%	1.464%	
253	20.823	20.753	20.866	VV	2164	142656	4.01%	1.643%	
254	20.950	20.866	20.991	VV	1989	143888	4.04%	1.657%	
255	21.016	20.991	21.078	VV	1905	93325	2.62%	1.075%	
256	21.297	21.078	21.337	VV	1633	256647	7.21%	2.956%	
257	21.470	21.337	21.603	VV	1723	227262	6.39%	2.617%	
258	21.633	21.603	21.721	VV	1181	75288	2.12%	0.867%	
259	21.794	21.721	21.858	VV	884	68352	1.92%	0.787%	
260	21.865	21.858	21.881	VV	740	9399	0.26%	0.108%	
261	21.983	21.881	22.020	VV	576	43121	1.21%	0.497%	
262	22.039	22.020	22.179	VV	385	21075	0.59%	0.243%	
Sum of corrected areas:							8683366		

Aliphatic EPH 021125.M Sat Mar 01 01:33:31 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
 Data File : FD049145.D
 Signal(s) : FID2B.ch
 Acq On : 28 Feb 2025 20:46
 Operator : YP/AJ
 Sample : Q1422-01
 Misc :
 ALS Vial : 74 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 B-154-SB01

Integration File: autoint1.e
 Quant Time: Mar 01 02:22:34 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
 Quant Title : GC Extractables
 QLast Update : Wed Feb 12 12:54:29 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...	7.351	8363016	58.438 ug/ml
Spiked Amount 50.000		Recovery =	116.88%
6) S 2-Fluorobiphenyl (SURR)	8.201	5346083	60.812 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	121.62%
11) S ortho-Terphenyl (SURR)	11.234	5608061	34.666 ug/ml
Spiked Amount 50.000		Recovery =	69.33%

Target Compounds

(f)=RT Delta > 1/2 Window

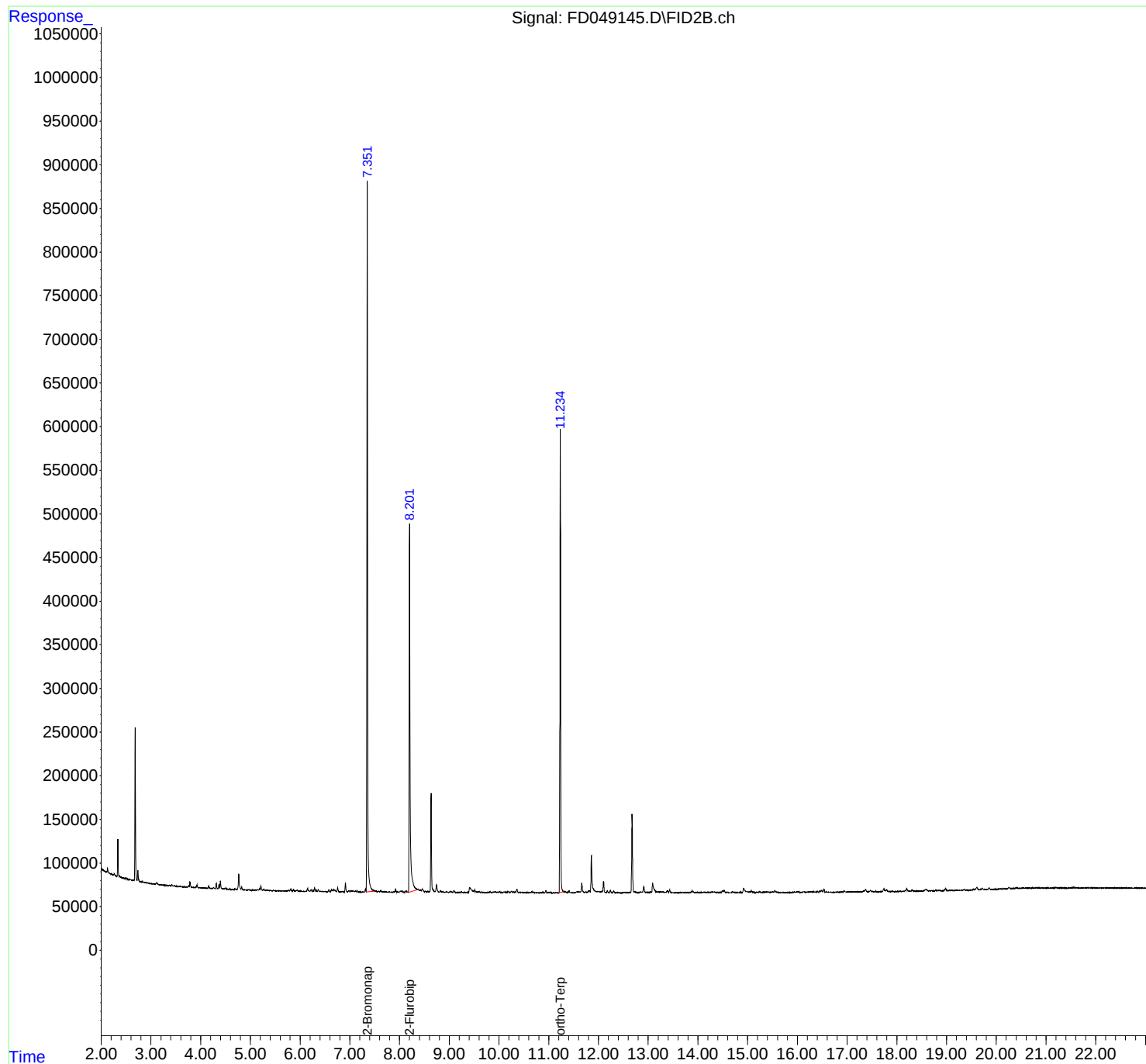
(m)=manual int.

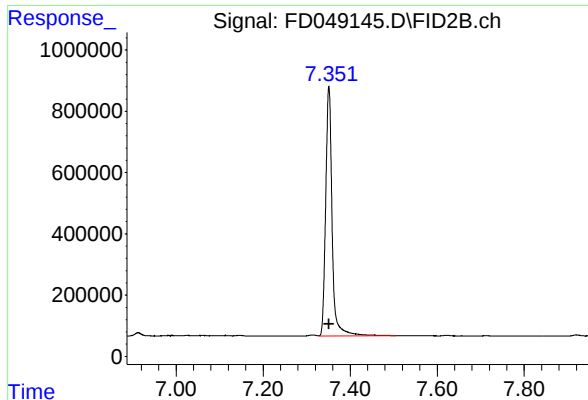
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
Data File : FD049145.D
Signal(s) : FID2B.ch
Acq On : 28 Feb 2025 20:46
Operator : YP/AJ
Sample : Q1422-01
Misc :
ALS Vial : 74 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
B-154-SB01

Integration File: autoint1.e
Quant Time: Mar 01 02:22:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Feb 12 12:54:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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

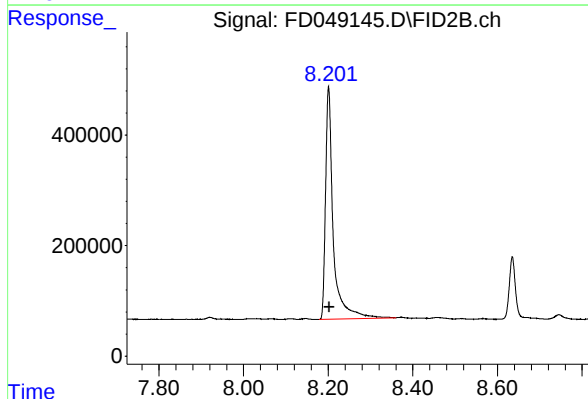




#4 2-Bromonaphthalene (SURR)

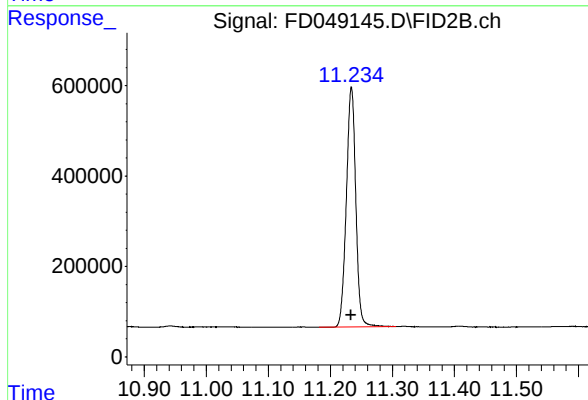
R.T.: 7.351 min
Delta R.T.: 0.000 min
Response: 8363016
Conc: 58.44 ug/ml

Instrument :
FID_D
ClientSampleId :
B-154-SB01



#6 2-Fluorobiphenyl (SURR)

R.T.: 8.201 min
Delta R.T.: -0.001 min
Response: 5346083
Conc: 60.81 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.234 min
Delta R.T.: 0.000 min
Response: 5608061
Conc: 34.67 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
 Data File : FD049145.D
 Signal(s) : FID2B.ch
 Acq On : 28 Feb 2025 20:46
 Sample : Q1422-01
 Misc :
 ALS Vial : 74 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.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	4.051	4.042	4.093	BV	268	3527	0.04%	0.012%
2	4.110	4.105	4.132	PV	226	1060	0.01%	0.004%
3	4.158	4.132	4.205	PV	2893	44419	0.53%	0.147%
4	4.215	4.205	4.225	VV	457	4204	0.05%	0.014%
5	4.261	4.225	4.287	VV	1408	22510	0.27%	0.074%
6	4.314	4.287	4.337	VV	6304	68475	0.81%	0.226%
7	4.343	4.337	4.349	VV	585	3381	0.04%	0.011%
8	4.369	4.349	4.383	VV	5177	53165	0.63%	0.176%
9	4.397	4.383	4.449	VV	9305	106084	1.26%	0.351%
10	4.454	4.449	4.471	VV	357	3785	0.04%	0.013%
11	4.484	4.471	4.498	VV	984	11279	0.13%	0.037%
12	4.511	4.498	4.550	VV	1091	15930	0.19%	0.053%
13	4.579	4.559	4.621	VV	549	11708	0.14%	0.039%
14	4.629	4.621	4.634	PV	246	1026	0.01%	0.003%
15	4.638	4.634	4.647	VV	242	1085	0.01%	0.004%
16	4.652	4.647	4.664	VV	170	1005	0.01%	0.003%
17	4.690	4.673	4.707	VV	1055	10974	0.13%	0.036%
18	4.709	4.707	4.726	VV	452	3889	0.05%	0.013%
19	4.767	4.726	4.809	VV	18260	244411	2.91%	0.808%
20	4.826	4.809	4.854	VV	3628	44005	0.52%	0.145%
21	4.862	4.854	4.876	VV	393	3534	0.04%	0.012%
22	4.880	4.876	4.920	VV	318	5177	0.06%	0.017%
23	4.928	4.920	4.947	VV	366	3554	0.04%	0.012%
24	4.966	4.947	4.991	VV	750	10741	0.13%	0.035%
25	4.994	4.991	5.028	VV	333	3170	0.04%	0.010%
26	5.051	5.028	5.065	PV	293	4629	0.06%	0.015%
27	5.068	5.065	5.077	VV	214	1495	0.02%	0.005%
28	5.104	5.077	5.119	VV	457	8515	0.10%	0.028%
29	5.138	5.119	5.163	VV	844	16338	0.19%	0.054%
30	5.183	5.163	5.195	VV	1906	24021	0.29%	0.079%
31	5.211	5.195	5.250	VV	5494	70416	0.84%	0.233%
32	5.269	5.250	5.301	VV	1462	24958	0.30%	0.082%
33	5.338	5.301	5.345	VV	875	13454	0.16%	0.044%
34	5.347	5.345	5.372	VV	668	7463	0.09%	0.025%
35	5.377	5.372	5.396	VV	305	3023	0.04%	0.010%
36	5.409	5.403	5.415	VV	290	1405	0.02%	0.005%

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37	5.418	5.415	5.437	VV	252	2134	0.03%	0.007%
38	5.466	5.437	5.510	PV	693	12171	0.14%	0.040%
39	5.515	5.510	5.520	VV	298	1225	0.01%	0.004%
40	5.522	5.520	5.530	VV	320	1115	0.01%	0.004%
41	5.535	5.530	5.566	VV	293	2158	0.03%	0.007%
42	5.583	5.566	5.590	VV	340	2574	0.03%	0.009%
43	5.594	5.590	5.623	VV	232	1761	0.02%	0.006%
44	5.630	5.623	5.642	PV	170	1203	0.01%	0.004%
45	5.650	5.642	5.659	VV	227	1310	0.02%	0.004%
46	5.667	5.659	5.677	VV	239	1409	0.02%	0.005%
47	5.691	5.677	5.705	VV	284	2802	0.03%	0.009%
48	5.732	5.705	5.750	VV	565	8201	0.10%	0.027%
49	5.770	5.750	5.789	VV	1077	13487	0.16%	0.045%
50	5.811	5.789	5.853	VV	2822	41926	0.50%	0.139%
51	5.870	5.853	5.898	VV	1960	25824	0.31%	0.085%
52	5.937	5.898	5.995	VV	1344	32806	0.39%	0.108%
53	6.007	5.995	6.023	VV	362	2152	0.03%	0.007%
54	6.030	6.023	6.060	PV	255	1851	0.02%	0.006%
55	6.069	6.060	6.106	PV	265	4906	0.06%	0.016%
56	6.114	6.106	6.119	VV	281	1699	0.02%	0.006%
57	6.124	6.119	6.126	VV	259	1047	0.01%	0.003%
58	6.152	6.126	6.196	VV	3691	57946	0.69%	0.191%
59	6.222	6.196	6.240	VV	2524	30224	0.36%	0.100%
60	6.262	6.240	6.275	VV	1546	18547	0.22%	0.061%
61	6.292	6.275	6.312	VV	4579	55352	0.66%	0.183%
62	6.320	6.312	6.345	VV	1345	17563	0.21%	0.058%
63	6.366	6.345	6.395	VV	2560	33832	0.40%	0.112%
64	6.404	6.395	6.433	VV	465	7615	0.09%	0.025%
65	6.442	6.433	6.453	VV	280	2466	0.03%	0.008%
66	6.467	6.453	6.488	VV	313	4831	0.06%	0.016%
67	6.499	6.488	6.528	VV	474	7427	0.09%	0.025%
68	6.537	6.528	6.545	VV	327	1906	0.02%	0.006%
69	6.578	6.555	6.606	PV	2286	30834	0.37%	0.102%
70	6.630	6.606	6.652	VV	2290	40779	0.48%	0.135%
71	6.677	6.652	6.691	VV	3066	48739	0.58%	0.161%
72	6.702	6.691	6.731	VV	2281	32972	0.39%	0.109%
73	6.756	6.731	6.790	VV	4773	66022	0.78%	0.218%
74	6.794	6.790	6.815	VV	465	5329	0.06%	0.018%
75	6.833	6.815	6.843	VV	701	8509	0.10%	0.028%
76	6.857	6.843	6.890	VV	1081	14970	0.18%	0.049%
77	6.913	6.890	6.960	VV	10965	123738	1.47%	0.409%
78	6.984	6.960	7.006	VV	1680	29958	0.36%	0.099%
79	7.025	7.006	7.048	VV	1992	31946	0.38%	0.106%
80	7.061	7.048	7.078	VV	2061	25388	0.30%	0.084%
81	7.089	7.078	7.099	VV	970	10220	0.12%	0.034%
82	7.113	7.099	7.130	VV	1528	20792	0.25%	0.069%
83	7.146	7.130	7.173	VV	2250	26153	0.31%	0.086%
84	7.200	7.173	7.212	VV	549	7920	0.09%	0.026%
85	7.215	7.212	7.234	VV	513	3025	0.04%	0.010%
86	7.257	7.234	7.286	PV	487	7663	0.09%	0.025%
87	7.314	7.286	7.328	VV	3648	40665	0.48%	0.134%
88	7.351	7.328	7.471	VV	814428	8412646	100.00%	27.800%
89	7.475	7.471	7.506	VV	2538	41221	0.49%	0.136%

					rt	ret	area	%area
90	7.514	7.506	7.528	VV	1690	19172	0.23%	0.063%
91	7.534	7.528	7.545	VV	1253	11541	0.14%	0.038%
92	7.551	7.545	7.568	VV	1067	13575	0.16%	0.045%
93	7.579	7.568	7.605	VV	1416	22449	0.27%	0.074%
94	7.623	7.605	7.669	VV	2498	41990	0.50%	0.139%
95	7.677	7.669	7.683	VV	696	4611	0.05%	0.015%
96	7.686	7.683	7.697	VV	623	3866	0.05%	0.013%
97	7.710	7.697	7.765	VV	1007	24553	0.29%	0.081%
98	7.783	7.765	7.802	VV	541	8098	0.10%	0.027%
99	7.805	7.802	7.820	VV	427	3643	0.04%	0.012%
100	7.832	7.820	7.851	VV	441	6156	0.07%	0.020%
101	7.866	7.851	7.871	VV	561	4175	0.05%	0.014%
102	7.878	7.871	7.883	VV	467	2560	0.03%	0.008%
103	7.887	7.883	7.900	VV	492	4288	0.05%	0.014%
104	7.920	7.900	7.940	VV	4037	47339	0.56%	0.156%
105	7.948	7.940	7.960	VV	1041	9424	0.11%	0.031%
106	7.966	7.960	7.989	VV	526	5993	0.07%	0.020%
107	8.014	7.989	8.025	VV	1559	20954	0.25%	0.069%
108	8.031	8.025	8.052	VV	1634	19960	0.24%	0.066%
109	8.066	8.052	8.091	VV	1587	20172	0.24%	0.067%
110	8.112	8.091	8.129	VV	1653	19943	0.24%	0.066%
111	8.146	8.129	8.174	VV	1742	22870	0.27%	0.076%
112	8.201	8.174	8.360	VV	420449	5534690	65.79%	18.289%
113	8.373	8.360	8.398	VV	4163	77350	0.92%	0.256%
114	8.409	8.398	8.438	VV	2894	63251	0.75%	0.209%
115	8.458	8.438	8.497	VV	4040	93772	1.11%	0.310%
116	8.516	8.497	8.543	VV	1875	35340	0.42%	0.117%
117	8.564	8.543	8.594	VV	1793	34845	0.41%	0.115%
118	8.635	8.594	8.714	VV	113885	1244277	14.79%	4.112%
119	8.745	8.714	8.803	VV	8998	163322	1.94%	0.540%
120	8.822	8.803	8.847	VV	2208	35172	0.42%	0.116%
121	8.851	8.847	8.857	VV	1009	5715	0.07%	0.019%
122	8.868	8.857	8.902	VV	1615	26665	0.32%	0.088%
123	8.907	8.902	8.911	VV	628	2527	0.03%	0.008%
124	8.926	8.911	8.932	VV	768	7951	0.09%	0.026%
125	8.944	8.932	8.990	VV	994	26699	0.32%	0.088%
126	9.018	8.990	9.030	VV	1562	23839	0.28%	0.079%
127	9.036	9.030	9.073	VV	1293	19144	0.23%	0.063%
128	9.094	9.073	9.147	VV	2556	41901	0.50%	0.138%
129	9.170	9.147	9.192	PV	531	9562	0.11%	0.032%
130	9.201	9.192	9.217	VV	609	5878	0.07%	0.019%
131	9.242	9.217	9.267	VV	1446	21078	0.25%	0.070%
132	9.273	9.267	9.279	VV	276	1446	0.02%	0.005%
133	9.306	9.279	9.335	VV	687	14378	0.17%	0.048%
134	9.344	9.335	9.358	VV	640	6238	0.07%	0.021%
135	9.368	9.358	9.379	VV	563	5958	0.07%	0.020%
136	9.386	9.379	9.391	VV	539	3248	0.04%	0.011%
137	9.410	9.391	9.495	VV	6270	206838	2.46%	0.683%
138	9.513	9.495	9.545	VV	3229	59521	0.71%	0.197%
139	9.548	9.545	9.555	VV	1058	5768	0.07%	0.019%
140	9.581	9.555	9.603	VV	1467	33083	0.39%	0.109%
141	9.609	9.603	9.640	VV	1250	19729	0.23%	0.065%

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142	9.647	9.640	9.668	VV	1033	12153	0.14%	0.040%
143	9.682	9.668	9.710	VV	704	9984	0.12%	0.033%
144	9.716	9.710	9.733	VV	244	1962	0.02%	0.006%
145	9.781	9.733	9.794	VV	911	18103	0.22%	0.060%
146	9.819	9.794	9.848	VV	1530	28639	0.34%	0.095%
147	9.901	9.848	9.920	VV	1344	34392	0.41%	0.114%
148	9.933	9.920	9.950	VV	1209	16262	0.19%	0.054%
149	9.970	9.950	9.981	VV	1010	14628	0.17%	0.048%
150	9.989	9.981	9.995	VV	834	5912	0.07%	0.020%
151	10.013	9.995	10.039	VV	1785	25633	0.30%	0.085%
152	10.042	10.039	10.047	VV	530	2203	0.03%	0.007%
153	10.054	10.047	10.067	VV	630	5609	0.07%	0.019%
154	10.102	10.067	10.117	VV	1401	26207	0.31%	0.087%
155	10.135	10.117	10.153	VV	1165	19279	0.23%	0.064%
156	10.180	10.153	10.204	VV	2022	36061	0.43%	0.119%
157	10.222	10.204	10.230	VV	994	12766	0.15%	0.042%
158	10.253	10.230	10.278	VV	2053	38312	0.46%	0.127%
159	10.292	10.278	10.308	VV	1461	19748	0.23%	0.065%
160	10.323	10.308	10.338	VV	1342	17549	0.21%	0.058%
161	10.362	10.338	10.386	VV	4357	65805	0.78%	0.217%
162	10.405	10.386	10.423	VV	760	15613	0.19%	0.052%
163	10.427	10.423	10.439	VV	810	6407	0.08%	0.021%
164	10.456	10.439	10.476	VV	1045	17301	0.21%	0.057%
165	10.487	10.476	10.508	VV	726	10396	0.12%	0.034%
166	10.524	10.508	10.540	VV	658	10353	0.12%	0.034%
167	10.563	10.540	10.582	VV	722	14140	0.17%	0.047%
168	10.604	10.582	10.617	VV	688	11153	0.13%	0.037%
169	10.632	10.617	10.641	VV	850	9235	0.11%	0.031%
170	10.662	10.641	10.683	VV	1942	28829	0.34%	0.095%
171	10.697	10.683	10.737	VV	986	18005	0.21%	0.059%
172	10.743	10.737	10.753	VV	626	4612	0.05%	0.015%
173	10.759	10.753	10.808	VV	587	10394	0.12%	0.034%
174	10.815	10.808	10.828	VV	374	2867	0.03%	0.009%
175	10.878	10.828	10.910	VV	1250	26423	0.31%	0.087%
176	10.942	10.910	10.967	VV	2800	39825	0.47%	0.132%
177	10.988	10.967	11.015	VV	713	16097	0.19%	0.053%
178	11.032	11.015	11.056	VV	1031	18308	0.22%	0.060%
179	11.061	11.056	11.075	VV	476	3599	0.04%	0.012%
180	11.094	11.075	11.113	PV	324	5163	0.06%	0.017%
181	11.157	11.113	11.192	VV	604	14383	0.17%	0.048%
182	11.234	11.192	11.311	VV	532108	5680111	67.52%	18.770%
183	11.318	11.311	11.369	VV	2112	44912	0.53%	0.148%
184	11.374	11.369	11.385	VV	826	7175	0.09%	0.024%
185	11.408	11.385	11.437	VV	2450	39763	0.47%	0.131%
186	11.451	11.437	11.456	VV	667	6390	0.08%	0.021%
187	11.465	11.456	11.478	VV	594	6520	0.08%	0.022%
188	11.494	11.478	11.501	VV	604	6556	0.08%	0.022%
189	11.526	11.501	11.539	VV	814	15884	0.19%	0.052%
190	11.565	11.539	11.574	VV	1702	24621	0.29%	0.081%
191	11.590	11.574	11.624	VV	1934	43812	0.52%	0.145%
192	11.665	11.624	11.716	VV	11250	187589	2.23%	0.620%
193	11.735	11.716	11.743	VV	1418	16645	0.20%	0.055%
194	11.750	11.743	11.782	VV	1295	23374	0.28%	0.077%

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195	11.815	11.782	11.838	VV	3219	65555	0.78%	0.217%
196	11.859	11.838	11.956	VV	42899	684388	8.14%	2.262%
197	11.982	11.956	11.990	VV	1747	33606	0.40%	0.111%
198	11.994	11.990	12.003	VV	1719	12981	0.15%	0.043%
199	12.010	12.003	12.043	VV	1692	36516	0.43%	0.121%
200	12.052	12.043	12.060	VV	1402	13166	0.16%	0.044%
201	12.102	12.060	12.138	VV	13234	202250	2.40%	0.668%
202	12.178	12.138	12.215	VV	2608	52585	0.63%	0.174%
203	12.240	12.215	12.266	VV	3236	45083	0.54%	0.149%
204	12.275	12.266	12.286	VV	609	6978	0.08%	0.023%
205	12.309	12.286	12.335	VV	2220	36796	0.44%	0.122%
206	12.342	12.335	12.352	VV	416	2965	0.04%	0.010%
207	12.372	12.352	12.399	VV	740	10709	0.13%	0.035%
208	12.416	12.399	12.453	VV	346	5610	0.07%	0.019%
209	12.502	12.453	12.518	PV	712	15513	0.18%	0.051%
210	12.524	12.518	12.577	VV	757	19417	0.23%	0.064%
211	12.594	12.577	12.620	VV	776	13989	0.17%	0.046%
212	12.636	12.620	12.643	VV	672	7474	0.09%	0.025%
213	12.676	12.643	12.719	VV	90361	1095873	13.03%	3.621%
214	12.733	12.719	12.797	VV	1387	41828	0.50%	0.138%
215	12.806	12.797	12.824	VV	602	10066	0.12%	0.033%
216	12.831	12.824	12.836	VV	895	5584	0.07%	0.018%
217	12.843	12.836	12.850	VV	1127	7904	0.09%	0.026%
218	12.857	12.850	12.880	VV	1096	17966	0.21%	0.059%
219	12.911	12.880	12.944	VV	7616	117708	1.40%	0.389%
220	12.952	12.944	12.975	VV	910	15230	0.18%	0.050%
221	12.987	12.975	13.017	VV	886	17437	0.21%	0.058%
222	13.039	13.017	13.070	VV	1273	29993	0.36%	0.099%
223	13.090	13.070	13.164	VV	10990	260872	3.10%	0.862%
224	13.169	13.164	13.216	VV	1635	38575	0.46%	0.127%
225	13.224	13.216	13.241	VV	1393	16893	0.20%	0.056%
226	13.246	13.241	13.273	VV	1137	19947	0.24%	0.066%
227	13.277	13.273	13.284	VV	1099	6692	0.08%	0.022%
228	13.301	13.284	13.323	VV	1199	23102	0.27%	0.076%
229	13.329	13.323	13.345	VV	1038	11226	0.13%	0.037%
230	13.390	13.345	13.412	VV	2728	63970	0.76%	0.211%
231	13.430	13.412	13.458	VV	3258	46335	0.55%	0.153%
232	13.465	13.458	13.471	VV	527	3689	0.04%	0.012%
233	13.483	13.471	13.518	VV	612	10373	0.12%	0.034%
234	13.521	13.518	13.549	VV	265	4103	0.05%	0.014%
235	13.557	13.549	13.567	VV	250	2398	0.03%	0.008%
236	13.569	13.567	13.588	VV	279	1736	0.02%	0.006%
237	13.595	13.588	13.610	VV	215	1773	0.02%	0.006%
238	13.621	13.610	13.632	PV	256	1556	0.02%	0.005%
239	13.663	13.632	13.682	VV	440	9761	0.12%	0.032%
240	13.685	13.682	13.701	VV	398	3727	0.04%	0.012%
241	13.712	13.701	13.719	VV	457	4040	0.05%	0.013%
242	13.724	13.719	13.728	VV	372	1779	0.02%	0.006%
243	13.733	13.728	13.747	VV	429	3654	0.04%	0.012%
244	13.763	13.747	13.768	VV	425	4139	0.05%	0.014%
245	13.774	13.768	13.808	VV	536	7851	0.09%	0.026%
246	13.823	13.814	13.828	VV	363	2450	0.03%	0.008%

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247	13.880	13.828	13.935	VV	2525	63112	0.75%	0.209%
248	13.951	13.935	13.965	VV	673	9392	0.11%	0.031%
249	13.989	13.965	14.031	VV	810	17198	0.20%	0.057%
250	14.044	14.031	14.057	VV	538	6160	0.07%	0.020%
251	14.064	14.057	14.084	VV	615	8047	0.10%	0.027%
252	14.087	14.084	14.092	VV	561	2582	0.03%	0.009%
253	14.118	14.092	14.123	VV	968	12983	0.15%	0.043%
254	14.127	14.123	14.154	VV	880	13897	0.17%	0.046%
255	14.168	14.154	14.185	VV	819	12746	0.15%	0.042%
256	14.193	14.185	14.216	VV	883	11456	0.14%	0.038%
257	14.240	14.216	14.266	VV	879	19143	0.23%	0.063%
258	14.301	14.266	14.317	VV	1185	28032	0.33%	0.093%
259	14.335	14.317	14.374	VV	1159	24809	0.29%	0.082%
260	14.389	14.374	14.409	VV	616	9880	0.12%	0.033%
261	14.413	14.409	14.420	VV	211	1577	0.02%	0.005%
262	14.446	14.420	14.463	VV	446	8443	0.10%	0.028%
263	14.488	14.463	14.512	VV	2045	40075	0.48%	0.132%
264	14.530	14.512	14.572	VV	2969	50105	0.60%	0.166%
265	14.592	14.572	14.615	VV	961	12717	0.15%	0.042%
266	14.621	14.615	14.638	VV	197	2045	0.02%	0.007%
267	14.644	14.638	14.656	VV	215	1478	0.02%	0.005%
268	14.663	14.656	14.670	VV	231	1395	0.02%	0.005%
269	14.697	14.670	14.718	VV	1560	24085	0.29%	0.080%
270	14.734	14.718	14.788	VV	570	13622	0.16%	0.045%
271	14.793	14.788	14.797	VV	268	1072	0.01%	0.004%
272	14.806	14.797	14.820	VV	260	1916	0.02%	0.006%
273	14.838	14.820	14.843	VV	565	4711	0.06%	0.016%
274	14.850	14.843	14.872	VV	508	7481	0.09%	0.025%
275	14.875	14.872	14.887	VV	461	2802	0.03%	0.009%
276	14.918	14.887	14.990	VV	5259	140793	1.67%	0.465%
277	14.998	14.990	15.031	VV	1365	25985	0.31%	0.086%
278	15.072	15.031	15.127	VV	2110	60489	0.72%	0.200%
279	15.144	15.127	15.152	VV	514	5422	0.06%	0.018%
280	15.157	15.152	15.164	VV	412	2640	0.03%	0.009%
281	15.192	15.164	15.203	VV	795	14744	0.18%	0.049%
282	15.208	15.203	15.217	VV	698	4730	0.06%	0.016%
283	15.242	15.217	15.272	VV	1796	32318	0.38%	0.107%
284	15.283	15.272	15.296	VV	675	7619	0.09%	0.025%
285	15.302	15.296	15.308	VV	489	3457	0.04%	0.011%
286	15.345	15.308	15.356	VV	889	17265	0.21%	0.057%
287	15.364	15.356	15.370	VV	852	6994	0.08%	0.023%
288	15.372	15.370	15.395	VV	998	12773	0.15%	0.042%
289	15.398	15.395	15.433	VV	970	16519	0.20%	0.055%
290	15.437	15.433	15.455	VV	668	5931	0.07%	0.020%
291	15.463	15.455	15.473	VV	453	3817	0.05%	0.013%
292	15.507	15.473	15.524	VV	1462	24454	0.29%	0.081%
293	15.545	15.524	15.569	VV	2606	40692	0.48%	0.134%
294	15.589	15.569	15.612	VV	985	18103	0.22%	0.060%
295	15.623	15.612	15.655	VV	495	8022	0.10%	0.027%
296	15.665	15.655	15.675	VV	142	1299	0.02%	0.004%
297	15.695	15.675	15.700	VV	333	3483	0.04%	0.012%
298	15.705	15.700	15.720	VV	346	2583	0.03%	0.009%
299	15.730	15.720	15.735	VV	226	1690	0.02%	0.006%

300	15.750	15.735	15.764	VV	367	4000	0.05%	0.013%
301	15.771	15.764	15.776	VV	244	1431	0.02%	0.005%
302	15.786	15.776	15.801	VV	306	2679	0.03%	0.009%
303	15.827	15.812	15.837	PV	356	2964	0.04%	0.010%
304	15.844	15.837	15.864	VV	316	3449	0.04%	0.011%
305	15.873	15.864	15.883	VV	368	2422	0.03%	0.008%
306	15.937	15.883	15.957	VV	790	19616	0.23%	0.065%
307	15.961	15.957	15.970	VV	560	4172	0.05%	0.014%
308	15.984	15.970	16.005	VV	760	12972	0.15%	0.043%
309	16.024	16.005	16.058	VV	941	20200	0.24%	0.067%
310	16.068	16.058	16.073	VV	511	3808	0.05%	0.013%
311	16.086	16.073	16.092	VV	566	4991	0.06%	0.016%
312	16.125	16.092	16.157	VV	1111	25875	0.31%	0.086%
313	16.233	16.157	16.257	VV	887	32118	0.38%	0.106%
314	16.272	16.257	16.276	VV	633	6749	0.08%	0.022%
315	16.281	16.276	16.311	VV	739	12204	0.15%	0.040%
316	16.324	16.311	16.346	VV	810	11858	0.14%	0.039%
317	16.400	16.346	16.431	VV	1029	33488	0.40%	0.111%
318	16.457	16.431	16.471	VV	1508	25043	0.30%	0.083%
319	16.490	16.471	16.510	VV	2605	39456	0.47%	0.130%
320	16.533	16.510	16.567	VV	3540	56152	0.67%	0.186%
321	16.585	16.567	16.625	VV	619	14420	0.17%	0.048%
322	16.640	16.625	16.665	VV	372	6490	0.08%	0.021%
323	16.670	16.665	16.682	VV	310	2410	0.03%	0.008%
324	16.713	16.682	16.733	VV	303	5778	0.07%	0.019%
325	16.764	16.733	16.781	PV	305	5101	0.06%	0.017%
326	16.805	16.781	16.835	VV	601	10250	0.12%	0.034%
327	16.869	16.835	16.887	VV	399	6873	0.08%	0.023%
328	16.939	16.887	16.992	VV	1975	42756	0.51%	0.141%
329	17.010	16.992	17.027	VV	511	9225	0.11%	0.030%
330	17.044	17.027	17.082	VV	585	15555	0.18%	0.051%
331	17.088	17.082	17.105	VV	525	6128	0.07%	0.020%
332	17.135	17.105	17.155	VV	551	12169	0.14%	0.040%
333	17.169	17.155	17.207	VV	553	13550	0.16%	0.045%
334	17.216	17.207	17.236	VV	400	6394	0.08%	0.021%
335	17.346	17.236	17.353	VV	1523	41689	0.50%	0.138%
336	17.372	17.353	17.435	VV	3302	62985	0.75%	0.208%
337	17.468	17.435	17.541	VV	2151	50868	0.60%	0.168%
338	17.548	17.541	17.567	VV	429	4563	0.05%	0.015%
339	17.581	17.567	17.605	VV	607	7082	0.08%	0.023%
340	17.618	17.605	17.632	VV	298	2974	0.04%	0.010%
341	17.670	17.632	17.707	VV	688	15162	0.18%	0.050%
342	17.735	17.707	17.772	VV	3609	77224	0.92%	0.255%
343	17.792	17.772	17.853	VV	2755	61636	0.73%	0.204%
344	17.865	17.853	17.876	VV	479	5855	0.07%	0.019%
345	17.914	17.876	17.966	VV	770	25663	0.31%	0.085%
346	18.010	17.966	18.020	VV	437	10205	0.12%	0.034%
347	18.058	18.020	18.091	VV	599	16434	0.20%	0.054%
348	18.198	18.091	18.270	PV	3035	93113	1.11%	0.308%

Sum of corrected areas: 30261746

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022825AL\
 Data File : FC068338.D
 Signal(s) : FID1A.ch
 Acq On : 28 Feb 2025 21:22
 Operator : YP/AJ
 Sample : Q1422-02
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 B-154-SB02

Integration File: autoint1.e
 Quant Time: Mar 05 05:25:33 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
 Quant Title : GC Extractables
 QLast Update : Wed Mar 05 03:08:52 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...	12.840	5478065	48.705 ug/ml
Spiked Amount	50.000	Recovery	= 97.41%

Target Compounds

(f)=RT Delta > 1/2 Window

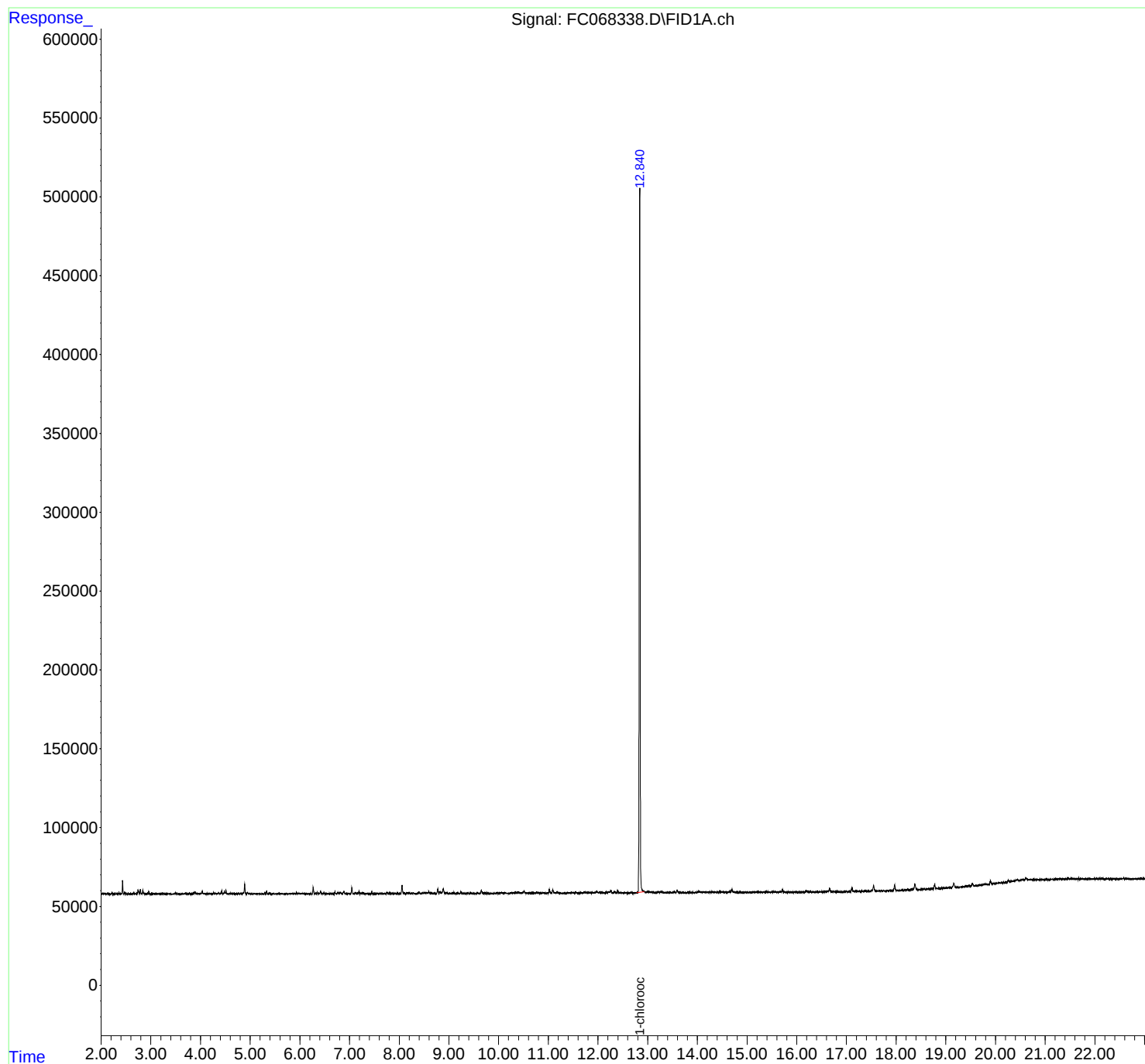
(m)=manual int.

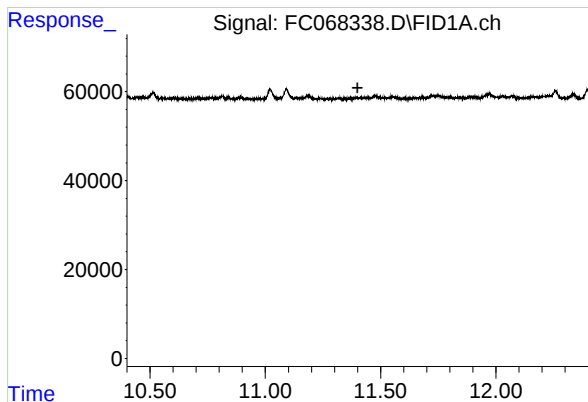
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022825AL\
Data File : FC068338.D
Signal(s) : FID1A.ch
Acq On : 28 Feb 2025 21:22
Operator : YP/AJ
Sample : Q1422-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
B-154-SB02

Integration File: autoint1.e
Quant Time: Mar 05 05:25:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Mar 05 03:08:52 2025
Response via : Initial Calibration
Integrator: ChemStation

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

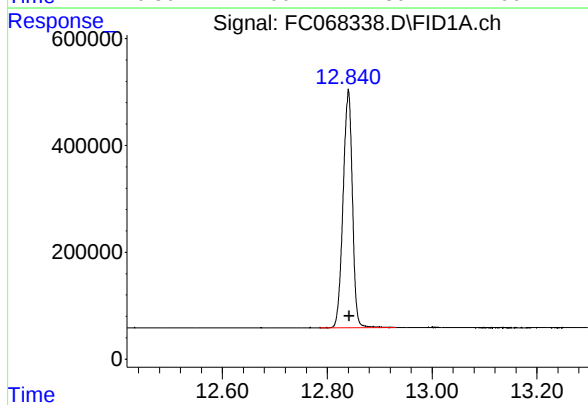




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.400 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
B-154-SB02



#12 1-chlorooctadecane (SURR)

R.T.: 12.840 min
Delta R.T.: -0.001 min
Response: 5478065
Conc: 48.71 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022825AL\
 Data File : FC068338.D
 Signal(s) : FID1A.ch
 Acq On : 28 Feb 2025 21:22
 Sample : Q1422-02
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.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	2.360	2.304	2.405	BV	640	9479	0.17%	0.082%
2	2.432	2.405	2.457	PV	8657	66662	1.20%	0.578%
3	2.473	2.457	2.548	VV	1073	13336	0.24%	0.116%
4	2.591	2.548	2.635	VV	285	7354	0.13%	0.064%
5	2.655	2.635	2.708	VV	772	11306	0.20%	0.098%
6	2.742	2.708	2.771	VV	2543	36596	0.66%	0.317%
7	2.789	2.771	2.817	VV	2919	28750	0.52%	0.249%
8	2.839	2.817	2.901	VV	2550	29784	0.54%	0.258%
9	2.916	2.901	2.944	VV	308	5458	0.10%	0.047%
10	2.961	2.944	3.014	VV	1801	20526	0.37%	0.178%
11	3.026	3.014	3.055	VV	203	3414	0.06%	0.030%
12	3.061	3.055	3.090	VV	144	1935	0.03%	0.017%
13	3.104	3.090	3.145	VV	152	2680	0.05%	0.023%
14	3.208	3.145	3.268	PV	484	10379	0.19%	0.090%
15	3.303	3.268	3.318	VV	190	3559	0.06%	0.031%
16	3.334	3.318	3.391	VV	141	4650	0.08%	0.040%
17	3.403	3.391	3.445	VV	123	2642	0.05%	0.023%
18	3.498	3.445	3.513	VV	908	10864	0.20%	0.094%
19	3.525	3.513	3.551	VV	416	4456	0.08%	0.039%
20	3.570	3.551	3.593	VV	326	3691	0.07%	0.032%
21	3.625	3.593	3.632	VV	123	2562	0.05%	0.022%
22	3.637	3.632	3.671	VV	127	1897	0.03%	0.016%
23	3.695	3.671	3.753	VV	376	10338	0.19%	0.090%
24	3.776	3.753	3.804	VV	422	6570	0.12%	0.057%
25	3.813	3.804	3.834	VV	128	1670	0.03%	0.014%
26	3.865	3.834	3.877	VV	802	9164	0.17%	0.079%
27	3.893	3.877	3.941	VV	1475	18727	0.34%	0.162%
28	3.964	3.941	3.994	VV	278	5530	0.10%	0.048%
29	4.038	3.994	4.064	VV	1355	24680	0.44%	0.214%
30	4.080	4.064	4.123	VV	250	6015	0.11%	0.052%
31	4.135	4.123	4.141	VV	208	1280	0.02%	0.011%
32	4.164	4.141	4.204	VV	204	6030	0.11%	0.052%
33	4.214	4.204	4.238	VV	238	2986	0.05%	0.026%
34	4.263	4.238	4.291	VV	856	14503	0.26%	0.126%
35	4.300	4.291	4.343	VV	536	9186	0.17%	0.080%
36	4.369	4.343	4.393	VV	644	11528	0.21%	0.100%

					rt	Area	Area%	Area%
37	4.428	4.393	4.448	VV	1850	24081	0.43%	0.209%
38	4.459	4.448	4.466	VV	387	3793	0.07%	0.033%
39	4.483	4.466	4.497	VV	1374	14750	0.27%	0.128%
40	4.513	4.497	4.594	VV	2547	31089	0.56%	0.270%
41	4.629	4.594	4.688	VV	317	8364	0.15%	0.073%
42	4.707	4.688	4.754	VV	258	5581	0.10%	0.048%
43	4.812	4.754	4.834	VV	403	7222	0.13%	0.063%
44	4.890	4.834	4.925	VV	6263	78011	1.41%	0.677%
45	4.946	4.925	4.966	VV	1228	14402	0.26%	0.125%
46	4.973	4.966	5.038	VV	354	6454	0.12%	0.056%
47	5.080	5.038	5.110	VV	310	6279	0.11%	0.054%
48	5.131	5.110	5.183	VV	227	6068	0.11%	0.053%
49	5.191	5.183	5.199	VV	170	1184	0.02%	0.010%
50	5.204	5.199	5.227	VV	133	1120	0.02%	0.010%
51	5.259	5.227	5.271	VV	222	3507	0.06%	0.030%
52	5.292	5.271	5.308	VV	672	8323	0.15%	0.072%
53	5.331	5.308	5.371	VV	1876	23964	0.43%	0.208%
54	5.387	5.371	5.434	VV	484	7416	0.13%	0.064%
55	5.474	5.434	5.498	VV	393	7331	0.13%	0.064%
56	5.506	5.498	5.518	VV	110	800	0.01%	0.007%
57	5.531	5.518	5.542	PV	148	1280	0.02%	0.011%
58	5.584	5.542	5.604	VV	306	6403	0.12%	0.056%
59	5.621	5.604	5.631	VV	183	2322	0.04%	0.020%
60	5.663	5.631	5.708	VV	205	5676	0.10%	0.049%
61	5.741	5.708	5.765	VV	215	3365	0.06%	0.029%
62	5.798	5.765	5.824	VV	266	4610	0.08%	0.040%
63	5.839	5.824	5.868	VV	387	6903	0.12%	0.060%
64	5.886	5.868	5.908	VV	429	7282	0.13%	0.063%
65	5.929	5.908	5.958	VV	927	12369	0.22%	0.107%
66	5.989	5.958	6.028	VV	418	9232	0.17%	0.080%
67	6.060	6.028	6.099	VV	494	11826	0.21%	0.103%
68	6.107	6.099	6.125	VV	163	1724	0.03%	0.015%
69	6.154	6.125	6.215	VV	180	5914	0.11%	0.051%
70	6.269	6.215	6.299	VV	4236	51583	0.93%	0.447%
71	6.310	6.299	6.330	VV	428	5900	0.11%	0.051%
72	6.350	6.330	6.370	VV	992	12809	0.23%	0.111%
73	6.386	6.370	6.398	VV	551	6443	0.12%	0.056%
74	6.416	6.398	6.438	VV	1521	18242	0.33%	0.158%
75	6.451	6.438	6.470	VV	505	6594	0.12%	0.057%
76	6.488	6.470	6.521	VV	855	10362	0.19%	0.090%
77	6.536	6.521	6.572	VV	194	4092	0.07%	0.035%
78	6.583	6.572	6.613	VV	171	2931	0.05%	0.025%
79	6.634	6.613	6.644	VV	205	2965	0.05%	0.026%
80	6.659	6.644	6.686	VV	229	3468	0.06%	0.030%
81	6.707	6.686	6.737	VV	973	12861	0.23%	0.112%
82	6.760	6.737	6.793	VV	1021	20051	0.36%	0.174%
83	6.809	6.793	6.855	VV	1042	22745	0.41%	0.197%
84	6.886	6.855	6.914	VV	1706	26269	0.47%	0.228%
85	6.922	6.914	6.948	VV	298	4186	0.08%	0.036%
86	6.966	6.948	6.977	VV	350	4200	0.08%	0.036%
87	6.991	6.977	7.021	VV	456	6031	0.11%	0.052%
88	7.047	7.021	7.074	VV	4069	44843	0.81%	0.389%
89	7.121	7.074	7.141	VV	517	13666	0.25%	0.119%

					rteres			
90	7.154	7.141	7.167	VV	712	7300	0.13%	0.063%
91	7.189	7.167	7.213	VV	1755	25213	0.45%	0.219%
92	7.225	7.213	7.234	VV	422	4719	0.09%	0.041%
93	7.249	7.234	7.265	VV	595	8652	0.16%	0.075%
94	7.279	7.265	7.311	VV	729	10283	0.19%	0.089%
95	7.356	7.311	7.376	VV	278	7188	0.13%	0.062%
96	7.398	7.376	7.421	VV	218	4349	0.08%	0.038%
97	7.448	7.421	7.488	VV	1457	17762	0.32%	0.154%
98	7.497	7.488	7.508	VV	168	1575	0.03%	0.014%
99	7.531	7.508	7.575	VV	275	7093	0.13%	0.062%
100	7.611	7.575	7.625	VV	439	6984	0.13%	0.061%
101	7.642	7.625	7.690	VV	363	8337	0.15%	0.072%
102	7.708	7.690	7.726	VV	398	4683	0.08%	0.041%
103	7.753	7.726	7.787	PV	1041	14610	0.26%	0.127%
104	7.808	7.787	7.828	VV	807	10246	0.18%	0.089%
105	7.846	7.828	7.860	VV	335	4980	0.09%	0.043%
106	7.877	7.860	7.898	VV	462	6272	0.11%	0.054%
107	7.909	7.898	7.931	VV	236	3643	0.07%	0.032%
108	7.965	7.931	8.031	VV	605	14430	0.26%	0.125%
109	8.057	8.031	8.130	VV	5520	79629	1.44%	0.691%
110	8.169	8.130	8.191	VV	714	18698	0.34%	0.162%
111	8.202	8.191	8.228	VV	659	9707	0.17%	0.084%
112	8.248	8.228	8.271	VV	512	8158	0.15%	0.071%
113	8.288	8.271	8.309	VV	787	9307	0.17%	0.081%
114	8.317	8.309	8.327	VV	115	1022	0.02%	0.009%
115	8.404	8.327	8.425	VV	892	25775	0.46%	0.224%
116	8.436	8.425	8.459	VV	437	8153	0.15%	0.071%
117	8.514	8.459	8.531	VV	779	22182	0.40%	0.192%
118	8.542	8.531	8.558	VV	661	8818	0.16%	0.076%
119	8.594	8.558	8.638	VV	1350	33504	0.60%	0.291%
120	8.655	8.638	8.683	VV	525	7613	0.14%	0.066%
121	8.708	8.683	8.724	VV	517	7053	0.13%	0.061%
122	8.775	8.724	8.798	VV	3109	42673	0.77%	0.370%
123	8.811	8.798	8.858	VV	1260	28747	0.52%	0.249%
124	8.889	8.858	8.940	VV	3180	60425	1.09%	0.524%
125	8.961	8.940	8.991	VV	726	11000	0.20%	0.095%
126	9.010	8.991	9.043	VV	498	7939	0.14%	0.069%
127	9.062	9.043	9.074	VV	234	3562	0.06%	0.031%
128	9.100	9.074	9.122	VV	417	7540	0.14%	0.065%
129	9.131	9.122	9.140	VV	199	1973	0.04%	0.017%
130	9.161	9.140	9.216	VV	488	14371	0.26%	0.125%
131	9.239	9.216	9.277	VV	1135	18185	0.33%	0.158%
132	9.299	9.277	9.324	VV	291	6141	0.11%	0.053%
133	9.334	9.324	9.358	VV	272	3555	0.06%	0.031%
134	9.380	9.358	9.407	VV	547	8898	0.16%	0.077%
135	9.433	9.407	9.485	VV	530	12019	0.22%	0.104%
136	9.491	9.485	9.509	VV	221	2075	0.04%	0.018%
137	9.524	9.509	9.548	VV	202	2119	0.04%	0.018%
138	9.576	9.548	9.624	VV	430	10136	0.18%	0.088%
139	9.653	9.624	9.703	VV	2245	34219	0.62%	0.297%
140	9.722	9.703	9.785	VV	386	13951	0.25%	0.121%
141	9.797	9.785	9.811	VV	256	3386	0.06%	0.029%

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142	9.824	9.811	9.884	VV	216	4859	0.09%	0.042%
143	9.925	9.884	9.944	VV	260	6467	0.12%	0.056%
144	9.968	9.944	9.991	VV	486	9241	0.17%	0.080%
145	10.045	9.991	10.061	VV	583	15152	0.27%	0.131%
146	10.079	10.061	10.104	VV	507	9343	0.17%	0.081%
147	10.127	10.104	10.194	VV	409	14402	0.26%	0.125%
148	10.210	10.194	10.224	VV	235	3393	0.06%	0.029%
149	10.249	10.224	10.266	VV	497	8810	0.16%	0.076%
150	10.280	10.266	10.301	VV	457	7329	0.13%	0.064%
151	10.332	10.301	10.354	VV	584	13707	0.25%	0.119%
152	10.391	10.354	10.421	VV	944	23536	0.42%	0.204%
153	10.443	10.421	10.454	VV	572	8400	0.15%	0.073%
154	10.472	10.454	10.487	VV	557	9523	0.17%	0.083%
155	10.514	10.487	10.555	VV	1601	30475	0.55%	0.264%
156	10.577	10.555	10.592	VV	338	6571	0.12%	0.057%
157	10.607	10.592	10.659	VV	537	9729	0.18%	0.084%
158	10.710	10.659	10.736	VV	341	11383	0.21%	0.099%
159	10.812	10.736	10.828	VV	718	21257	0.38%	0.184%
160	10.841	10.828	10.861	VV	492	5759	0.10%	0.050%
161	10.892	10.861	10.934	VV	381	10242	0.18%	0.089%
162	10.960	10.934	10.972	VV	204	2754	0.05%	0.024%
163	11.021	10.972	11.055	VV	2404	39555	0.71%	0.343%
164	11.092	11.055	11.123	VV	2357	38944	0.70%	0.338%
165	11.140	11.123	11.154	VV	344	5748	0.10%	0.050%
166	11.184	11.154	11.221	VV	850	17103	0.31%	0.148%
167	11.241	11.221	11.255	VV	178	2630	0.05%	0.023%
168	11.279	11.255	11.288	VV	136	1827	0.03%	0.016%
169	11.296	11.288	11.300	VV	166	803	0.01%	0.007%
170	11.314	11.300	11.351	VV	182	3967	0.07%	0.034%
171	11.442	11.351	11.454	VV	405	17813	0.32%	0.155%
172	11.476	11.454	11.513	VV	680	14847	0.27%	0.129%
173	11.551	11.513	11.588	VV	579	15928	0.29%	0.138%
174	11.602	11.588	11.618	VV	190	2699	0.05%	0.023%
175	11.628	11.618	11.638	VV	225	1915	0.03%	0.017%
176	11.723	11.638	11.734	VV	721	21299	0.38%	0.185%
177	11.748	11.734	11.776	VV	795	15119	0.27%	0.131%
178	11.799	11.776	11.823	VV	445	10992	0.20%	0.095%
179	11.835	11.823	11.871	VV	375	8487	0.15%	0.074%
180	11.894	11.871	11.930	VV	521	13981	0.25%	0.121%
181	11.971	11.930	12.014	VV	1177	32514	0.59%	0.282%
182	12.029	12.014	12.049	VV	674	10320	0.19%	0.090%
183	12.068	12.049	12.101	VV	694	12912	0.23%	0.112%
184	12.163	12.101	12.185	VV	497	16175	0.29%	0.140%
185	12.258	12.185	12.284	VV	1891	45263	0.82%	0.393%
186	12.295	12.284	12.307	VV	235	2637	0.05%	0.023%
187	12.335	12.307	12.366	VV	1076	16935	0.31%	0.147%
188	12.396	12.366	12.418	VV	1986	26022	0.47%	0.226%
189	12.428	12.418	12.445	VV	313	4693	0.08%	0.041%
190	12.454	12.445	12.471	VV	311	3829	0.07%	0.033%
191	12.481	12.471	12.498	VV	190	2456	0.04%	0.021%
192	12.513	12.498	12.551	VV	262	6379	0.11%	0.055%
193	12.560	12.551	12.596	VV	130	1905	0.03%	0.017%
194	12.675	12.621	12.711	PV	354	9220	0.17%	0.080%

					rteres			
195	12.719	12.711	12.738	VV	243	2430	0.04%	0.021%
196	12.769	12.738	12.784	VV	294	5417	0.10%	0.047%
197	12.840	12.784	12.981	VV	447510	5548430	100.00%	48.129%
198	13.007	12.981	13.040	VV	1027	26791	0.48%	0.232%
199	13.063	13.040	13.099	VV	648	19567	0.35%	0.170%
200	13.120	13.099	13.177	VV	457	17720	0.32%	0.154%
201	13.198	13.177	13.240	VV	548	16419	0.30%	0.142%
202	13.292	13.240	13.330	VV	758	26184	0.47%	0.227%
203	13.344	13.330	13.371	VV	362	6796	0.12%	0.059%
204	13.393	13.371	13.414	VV	366	7480	0.13%	0.065%
205	13.460	13.414	13.487	VV	474	15042	0.27%	0.130%
206	13.498	13.487	13.506	VV	337	2991	0.05%	0.026%
207	13.540	13.506	13.564	VV	798	16559	0.30%	0.144%
208	13.592	13.564	13.633	VV	1873	31153	0.56%	0.270%
209	13.646	13.633	13.718	VV	345	10664	0.19%	0.093%
210	13.721	13.718	13.753	VV	199	2370	0.04%	0.021%
211	13.766	13.753	13.778	VV	204	1784	0.03%	0.015%
212	13.783	13.778	13.786	VV	133	566	0.01%	0.005%
213	13.811	13.786	13.906	VV	345	18648	0.34%	0.162%
214	13.927	13.906	13.939	VV	287	4914	0.09%	0.043%
215	14.030	13.939	14.068	VV	1141	34553	0.62%	0.300%
216	14.078	14.068	14.098	VV	434	6472	0.12%	0.056%
217	14.109	14.098	14.132	VV	409	6589	0.12%	0.057%
218	14.154	14.132	14.191	VV	602	14142	0.25%	0.123%
219	14.245	14.191	14.268	VV	383	15858	0.29%	0.138%
220	14.299	14.268	14.385	VV	515	27461	0.49%	0.238%
221	14.402	14.385	14.424	VV	464	8789	0.16%	0.076%
222	14.466	14.424	14.534	VV	548	26716	0.48%	0.232%
223	14.541	14.534	14.581	VV	330	7525	0.14%	0.065%
224	14.651	14.581	14.670	VV	801	19450	0.35%	0.169%
225	14.694	14.670	14.733	VV	1767	33911	0.61%	0.294%
226	14.745	14.733	14.799	VV	336	8320	0.15%	0.072%
227	14.804	14.799	14.839	VV	182	3103	0.06%	0.027%
228	14.864	14.839	14.988	VV	427	17093	0.31%	0.148%
229	15.004	14.988	15.051	VV	187	3839	0.07%	0.033%
230	15.058	15.051	15.067	VV	152	1077	0.02%	0.009%
231	15.115	15.067	15.155	VV	357	10544	0.19%	0.091%
232	15.175	15.155	15.185	VV	187	3149	0.06%	0.027%
233	15.212	15.185	15.293	VV	712	18090	0.33%	0.157%
234	15.332	15.293	15.414	VV	241	13601	0.25%	0.118%
235	15.420	15.414	15.472	VV	265	6138	0.11%	0.053%
236	15.534	15.472	15.647	VV	381	25057	0.45%	0.217%
237	15.713	15.647	15.834	VV	1811	45285	0.82%	0.393%
238	15.858	15.834	15.884	VV	142	3028	0.05%	0.026%
239	15.903	15.884	15.931	VV	131	2760	0.05%	0.024%
240	15.954	15.931	15.974	VV	151	2015	0.04%	0.017%
241	16.033	15.974	16.128	VV	194	10607	0.19%	0.092%
242	16.195	16.128	16.313	PV	1054	31438	0.57%	0.273%
243	16.362	16.313	16.421	VV	263	12170	0.22%	0.106%
244	16.430	16.421	16.464	VV	199	4025	0.07%	0.035%
245	16.493	16.464	16.521	VV	240	6404	0.12%	0.056%
246	16.555	16.521	16.598	VV	359	12265	0.22%	0.106%

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247	16.661	16.598	16.726	VV	2486	54266	0.98%	0.471%
248	16.756	16.726	16.804	VV	189	8681	0.16%	0.075%
249	16.854	16.804	16.907	VV	202	7031	0.13%	0.061%
250	16.952	16.907	17.054	PV	213	11961	0.22%	0.104%
251	17.111	17.054	17.181	VV	2506	46214	0.83%	0.401%
252	17.216	17.181	17.279	VV	315	11389	0.21%	0.099%
253	17.308	17.279	17.338	VV	244	5306	0.10%	0.046%
254	17.393	17.338	17.421	VV	274	8454	0.15%	0.073%
255	17.546	17.421	17.644	VV	3655	77641	1.40%	0.673%
256	17.707	17.644	17.738	VV	244	9430	0.17%	0.082%
257	17.754	17.738	17.776	VV	107	2324	0.04%	0.020%
258	17.827	17.776	17.877	PV	275	8656	0.16%	0.075%
259	17.969	17.877	18.012	VV	3461	59055	1.06%	0.512%
260	18.036	18.012	18.072	VV	189	4587	0.08%	0.040%
261	18.233	18.072	18.318	PV	304	13644	0.25%	0.118%
262	18.377	18.318	18.478	VV	3754	74000	1.33%	0.642%
263	18.637	18.478	18.664	PV	218	9476	0.17%	0.082%
264	18.775	18.664	18.834	PV	2595	44029	0.79%	0.382%
265	18.956	18.834	18.988	VV	265	10126	0.18%	0.088%
266	19.026	18.988	19.046	VV	330	5795	0.10%	0.050%
267	19.073	19.046	19.087	VV	225	3776	0.07%	0.033%
268	19.161	19.087	19.227	VV	2940	62738	1.13%	0.544%
269	19.468	19.227	19.504	VV	515	52689	0.95%	0.457%
270	19.536	19.504	19.598	VV	2097	49356	0.89%	0.428%
271	19.801	19.598	19.829	VV	1184	100313	1.81%	0.870%
272	19.900	19.829	19.941	VV	2868	97891	1.76%	0.849%
273	19.964	19.941	19.988	VV	1382	35573	0.64%	0.309%
274	20.256	19.988	20.291	VV	2657	278828	5.03%	2.419%
275	20.433	20.291	20.498	VV	2738	275790	4.97%	2.392%
276	20.612	20.498	20.668	VV	3529	270865	4.88%	2.350%
277	20.699	20.668	20.761	VV	2390	129249	2.33%	1.121%
278	20.781	20.761	20.827	VV	2250	85066	1.53%	0.738%
279	20.845	20.827	20.881	VV	2076	64468	1.16%	0.559%
280	20.933	20.881	20.973	VV	1996	107181	1.93%	0.930%
281	21.016	20.973	21.051	VV	2046	87438	1.58%	0.758%
282	21.069	21.051	21.091	VV	1727	40899	0.74%	0.355%
283	21.225	21.091	21.254	VV	1711	165520	2.98%	1.436%
284	21.297	21.254	21.388	VV	1694	124229	2.24%	1.078%
285	21.464	21.388	21.508	VV	1921	113542	2.05%	0.985%
286	21.537	21.508	21.614	VV	1596	85039	1.53%	0.738%
287	21.638	21.614	21.684	VV	1123	44306	0.80%	0.384%
288	21.703	21.684	21.768	VV	1044	48220	0.87%	0.418%
289	21.786	21.768	21.861	VV	893	42893	0.77%	0.372%
290	21.885	21.861	21.911	VV	688	19094	0.34%	0.166%
291	21.920	21.911	21.944	VV	627	11229	0.20%	0.097%
292	21.971	21.944	21.998	VV	562	17072	0.31%	0.148%
293	22.009	21.998	22.191	VV	506	32315	0.58%	0.280%

Sum of corrected areas: 11528220

Aliphatic EPH 021125.M Sat Mar 01 01:34:14 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
 Data File : FD049146.D
 Signal(s) : FID2B.ch
 Acq On : 28 Feb 2025 21:22
 Operator : YP/AJ
 Sample : Q1422-02
 Misc :
 ALS Vial : 75 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 B-154-SB02

A
B
C
D
E
F
G
H
I
J

Integration File: autoint1.e
 Quant Time: Mar 01 02:22:55 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
 Quant Title : GC Extractables
 QLast Update : Wed Feb 12 12:54:29 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...	7.352	9010697	62.964 ug/ml
Spiked Amount 50.000		Recovery =	125.93%
6) S 2-Fluorobiphenyl (SURR)	8.201	5866189	66.728 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	133.46%#
11) S ortho-Terphenyl (SURR)	11.235	7059553	43.638 ug/ml
Spiked Amount 50.000		Recovery =	87.28%

Target Compounds

(f)=RT Delta > 1/2 Window

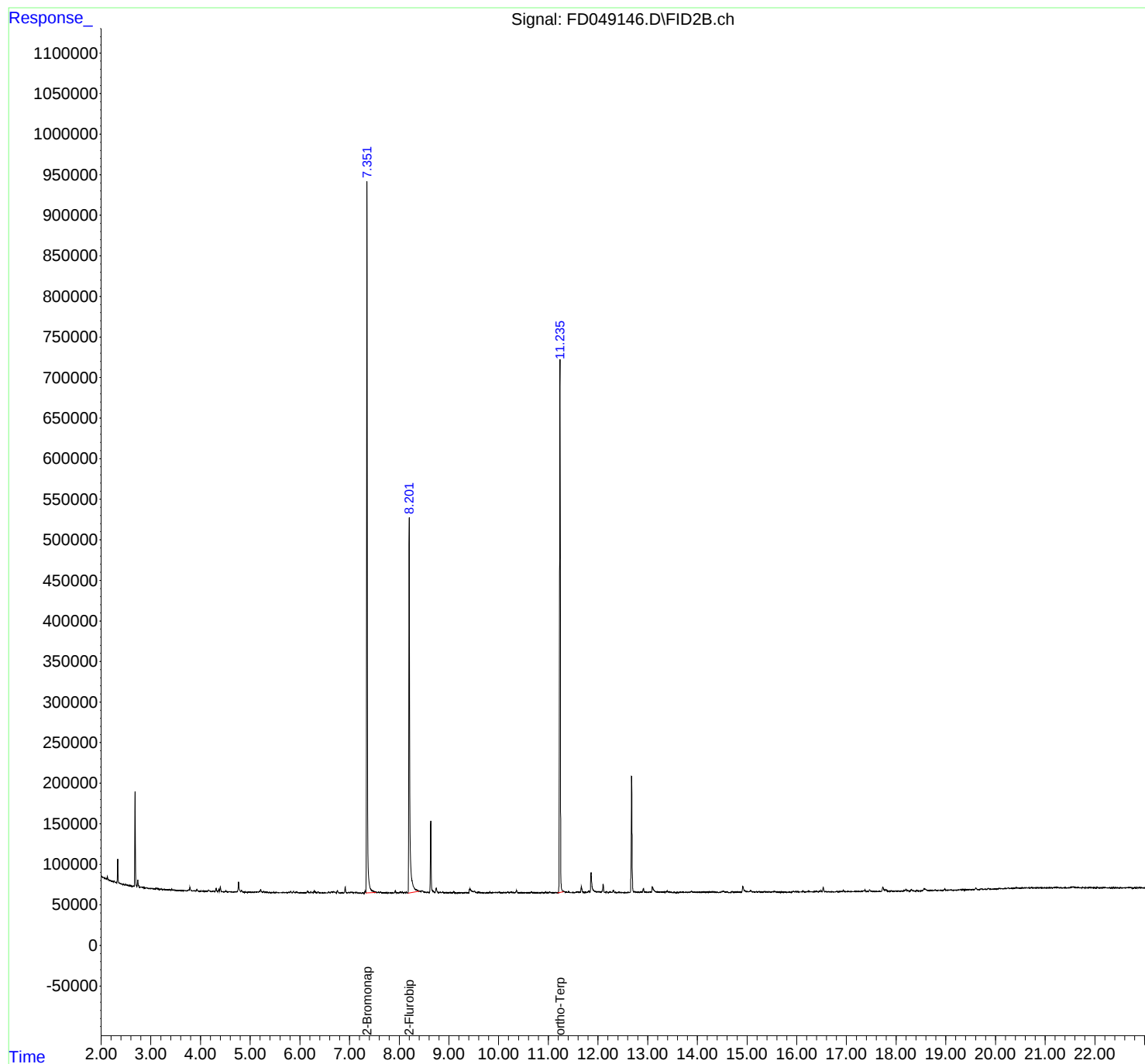
(m)=manual int.

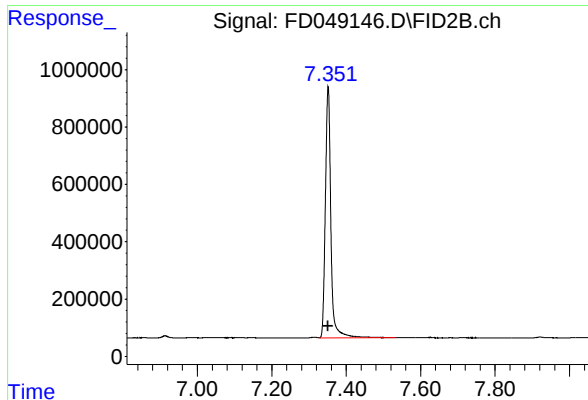
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
Data File : FD049146.D
Signal(s) : FID2B.ch
Acq On : 28 Feb 2025 21:22
Operator : YP/AJ
Sample : Q1422-02
Misc :
ALS Vial : 75 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
B-154-SB02

Integration File: autoint1.e
Quant Time: Mar 01 02:22:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Feb 12 12:54:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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

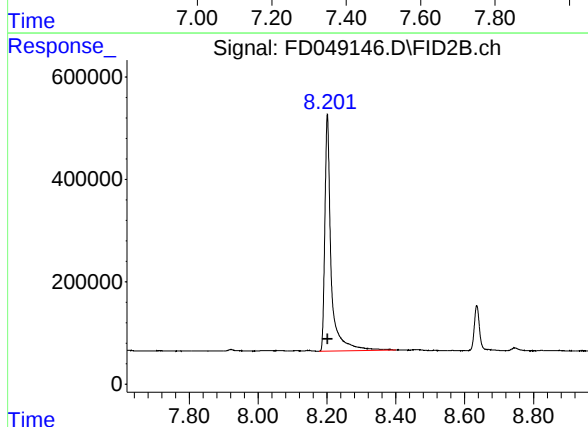




#4 2-Bromonaphthalene (SURR)

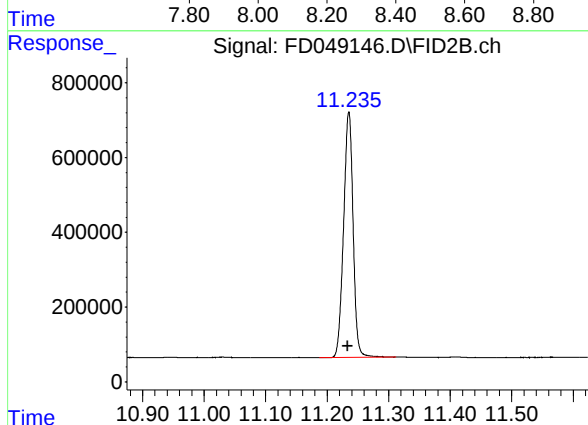
R.T.: 7.352 min
Delta R.T.: 0.000 min
Response: 9010697
Conc: 62.96 ug/ml

Instrument :
FID_D
ClientSampleId :
B-154-SB02



#6 2-Fluorobiphenyl (SURR)

R.T.: 8.201 min
Delta R.T.: -0.001 min
Response: 5866189
Conc: 66.73 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.235 min
Delta R.T.: 0.002 min
Response: 7059553
Conc: 43.64 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
 Data File : FD049146.D
 Signal(s) : FID2B.ch
 Acq On : 28 Feb 2025 21:22
 Sample : Q1422-02
 Misc :
 ALS Vial : 75 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.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	4.053	4.042	4.104	BV	195	4216	0.05%	0.013%
2	4.133	4.124	4.145	PV	202	1187	0.01%	0.004%
3	4.162	4.145	4.217	VV	1826	31155	0.34%	0.099%
4	4.223	4.217	4.240	VV	225	1908	0.02%	0.006%
5	4.261	4.240	4.291	VV	926	12446	0.14%	0.039%
6	4.315	4.291	4.346	VV	4403	50902	0.56%	0.161%
7	4.370	4.346	4.383	VV	3468	37956	0.42%	0.120%
8	4.399	4.383	4.473	VV	6235	81647	0.90%	0.259%
9	4.511	4.473	4.555	PV	1146	24544	0.27%	0.078%
10	4.581	4.555	4.597	VV	713	9709	0.11%	0.031%
11	4.601	4.597	4.631	VV	510	5941	0.07%	0.019%
12	4.634	4.631	4.640	VV	314	1146	0.01%	0.004%
13	4.645	4.640	4.660	VV	363	1722	0.02%	0.005%
14	4.689	4.660	4.703	PV	676	9296	0.10%	0.029%
15	4.712	4.703	4.724	VV	451	4600	0.05%	0.015%
16	4.731	4.724	4.738	VV	517	3894	0.04%	0.012%
17	4.767	4.738	4.810	VV	12820	176254	1.94%	0.559%
18	4.826	4.810	4.851	VV	2607	33772	0.37%	0.107%
19	4.858	4.851	4.878	VV	435	5055	0.06%	0.016%
20	4.882	4.878	4.889	VV	209	1170	0.01%	0.004%
21	4.894	4.889	4.920	VV	407	3277	0.04%	0.010%
22	4.936	4.930	4.945	VV	256	1529	0.02%	0.005%
23	4.968	4.945	4.993	VV	635	10417	0.11%	0.033%
24	5.006	4.993	5.023	VV	320	3667	0.04%	0.012%
25	5.029	5.023	5.034	VV	259	1195	0.01%	0.004%
26	5.045	5.034	5.055	VV	277	2869	0.03%	0.009%
27	5.067	5.055	5.077	VV	293	3071	0.03%	0.010%
28	5.101	5.077	5.121	VV	780	13935	0.15%	0.044%
29	5.140	5.121	5.164	VV	976	18467	0.20%	0.059%
30	5.187	5.164	5.199	VV	1585	22588	0.25%	0.072%
31	5.212	5.199	5.255	VV	3839	53287	0.59%	0.169%
32	5.269	5.255	5.295	VV	1175	17338	0.19%	0.055%
33	5.299	5.295	5.323	VV	540	6369	0.07%	0.020%
34	5.337	5.323	5.341	VV	532	4448	0.05%	0.014%
35	5.350	5.341	5.371	VV	551	6642	0.07%	0.021%
36	5.376	5.371	5.398	VV	255	2774	0.03%	0.009%

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37	5.428	5.398	5.452	VV	274	4424	0.05%	0.014%
38	5.466	5.452	5.490	VV	423	5210	0.06%	0.017%
39	5.495	5.490	5.505	VV	246	1289	0.01%	0.004%
40	5.516	5.505	5.529	VV	347	2244	0.02%	0.007%
41	5.537	5.529	5.558	VV	202	1620	0.02%	0.005%
42	5.588	5.574	5.608	PV	166	2131	0.02%	0.007%
43	5.621	5.608	5.625	VV	235	1162	0.01%	0.004%
44	5.648	5.625	5.663	VV	463	4836	0.05%	0.015%
45	5.688	5.663	5.710	VV	389	5238	0.06%	0.017%
46	5.729	5.710	5.749	VV	520	6595	0.07%	0.021%
47	5.773	5.749	5.796	VV	927	13519	0.15%	0.043%
48	5.815	5.796	5.854	VV	1962	30243	0.33%	0.096%
49	5.870	5.854	5.895	VV	1895	21397	0.24%	0.068%
50	5.937	5.895	5.979	VV	1060	24310	0.27%	0.077%
51	5.986	5.979	5.993	VV	206	1178	0.01%	0.004%
52	5.997	5.993	6.009	VV	218	1376	0.02%	0.004%
53	6.010	6.009	6.030	VV	240	1612	0.02%	0.005%
54	6.046	6.039	6.053	VV	172	1197	0.01%	0.004%
55	6.059	6.053	6.081	VV	196	2379	0.03%	0.008%
56	6.154	6.098	6.198	VV	2294	42708	0.47%	0.135%
57	6.222	6.198	6.245	VV	1819	22396	0.25%	0.071%
58	6.265	6.245	6.274	VV	1073	10802	0.12%	0.034%
59	6.293	6.274	6.349	VV	3029	49581	0.55%	0.157%
60	6.368	6.349	6.392	VV	1720	22360	0.25%	0.071%
61	6.398	6.392	6.404	VV	266	1048	0.01%	0.003%
62	6.418	6.404	6.426	VV	254	2396	0.03%	0.008%
63	6.443	6.435	6.475	VV	358	4708	0.05%	0.015%
64	6.484	6.475	6.492	VV	216	1646	0.02%	0.005%
65	6.506	6.492	6.517	VV	444	3523	0.04%	0.011%
66	6.526	6.517	6.545	VV	241	2834	0.03%	0.009%
67	6.549	6.545	6.561	VV	212	1167	0.01%	0.004%
68	6.580	6.561	6.614	PV	1786	22497	0.25%	0.071%
69	6.632	6.614	6.655	VV	1570	27482	0.30%	0.087%
70	6.679	6.655	6.692	VV	2077	31356	0.34%	0.099%
71	6.704	6.692	6.730	VV	1490	20789	0.23%	0.066%
72	6.757	6.730	6.815	VV	3342	50122	0.55%	0.159%
73	6.831	6.815	6.844	VV	556	6701	0.07%	0.021%
74	6.857	6.844	6.882	VV	875	10477	0.12%	0.033%
75	6.913	6.882	6.947	VV	7503	85348	0.94%	0.271%
76	6.951	6.947	6.960	VV	356	2019	0.02%	0.006%
77	6.990	6.960	7.010	VV	1193	22894	0.25%	0.073%
78	7.024	7.010	7.039	VV	1384	16919	0.19%	0.054%
79	7.061	7.039	7.081	VV	1487	25343	0.28%	0.080%
80	7.088	7.081	7.099	VV	757	6894	0.08%	0.022%
81	7.114	7.099	7.131	VV	1196	16538	0.18%	0.052%
82	7.146	7.131	7.170	VV	1514	19313	0.21%	0.061%
83	7.177	7.170	7.202	VV	400	5248	0.06%	0.017%
84	7.209	7.202	7.237	VV	394	3814	0.04%	0.012%
85	7.258	7.237	7.264	PV	472	4467	0.05%	0.014%
86	7.270	7.264	7.289	VV	416	3887	0.04%	0.012%
87	7.314	7.289	7.327	VV	2596	29085	0.32%	0.092%
88	7.352	7.327	7.534	VV	877854	9096036	100.00%	28.844%
89	7.538	7.534	7.561	VV	1172	17174	0.19%	0.054%

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90	7.581	7.561	7.607	VV	1195	27337	0.30%	0.087%
91	7.624	7.607	7.668	VV	1795	34491	0.38%	0.109%
92	7.679	7.668	7.694	VV	705	8696	0.10%	0.028%
93	7.715	7.694	7.733	VV	845	15671	0.17%	0.050%
94	7.737	7.733	7.751	VV	607	6199	0.07%	0.020%
95	7.755	7.751	7.763	VV	522	2779	0.03%	0.009%
96	7.772	7.763	7.776	VV	332	2287	0.03%	0.007%
97	7.783	7.776	7.789	VV	509	2957	0.03%	0.009%
98	7.815	7.789	7.827	VV	554	9074	0.10%	0.029%
99	7.832	7.827	7.849	VV	484	4639	0.05%	0.015%
100	7.869	7.849	7.883	VV	591	8437	0.09%	0.027%
101	7.921	7.883	7.959	VV	3324	53786	0.59%	0.171%
102	7.966	7.959	7.990	VV	640	8301	0.09%	0.026%
103	8.011	7.990	8.015	VV	1190	10046	0.11%	0.032%
104	8.019	8.015	8.052	VV	1237	22547	0.25%	0.071%
105	8.067	8.052	8.092	VV	1273	19542	0.21%	0.062%
106	8.113	8.092	8.134	VV	1170	18101	0.20%	0.057%
107	8.146	8.134	8.174	VV	1352	16478	0.18%	0.052%
108	8.201	8.174	8.400	VV	463600	6028512	66.28%	19.117%
109	8.407	8.400	8.420	VV	2640	29359	0.32%	0.093%
110	8.425	8.420	8.439	VV	2514	25438	0.28%	0.081%
111	8.458	8.439	8.507	VV	3188	88439	0.97%	0.280%
112	8.513	8.507	8.549	VV	1805	30375	0.33%	0.096%
113	8.565	8.549	8.594	VV	1423	29696	0.33%	0.094%
114	8.635	8.594	8.684	VV	89196	984307	10.82%	3.121%
115	8.688	8.684	8.719	VV	2216	30151	0.33%	0.096%
116	8.746	8.719	8.799	VV	6489	120322	1.32%	0.382%
117	8.803	8.799	8.808	VV	873	4339	0.05%	0.014%
118	8.824	8.808	8.840	VV	1554	22132	0.24%	0.070%
119	8.873	8.840	8.900	VV	1334	34211	0.38%	0.108%
120	8.906	8.900	8.914	VV	720	5013	0.06%	0.016%
121	8.933	8.914	8.962	VV	793	17946	0.20%	0.057%
122	8.967	8.962	8.986	VV	535	6720	0.07%	0.021%
123	9.018	8.986	9.032	VV	1205	20495	0.23%	0.065%
124	9.037	9.032	9.068	VV	904	13869	0.15%	0.044%
125	9.097	9.068	9.122	VV	1826	30143	0.33%	0.096%
126	9.129	9.122	9.147	VV	311	3591	0.04%	0.011%
127	9.150	9.147	9.157	VV	277	1265	0.01%	0.004%
128	9.174	9.157	9.188	VV	509	6589	0.07%	0.021%
129	9.193	9.188	9.198	VV	478	2381	0.03%	0.008%
130	9.204	9.198	9.216	VV	541	3363	0.04%	0.011%
131	9.243	9.216	9.271	VV	1028	15726	0.17%	0.050%
132	9.300	9.271	9.307	PV	521	6741	0.07%	0.021%
133	9.308	9.307	9.329	VV	515	5411	0.06%	0.017%
134	9.341	9.329	9.357	VV	799	8859	0.10%	0.028%
135	9.367	9.357	9.395	VV	575	10181	0.11%	0.032%
136	9.419	9.395	9.499	VV	4945	173108	1.90%	0.549%
137	9.514	9.499	9.562	VV	2745	57920	0.64%	0.184%
138	9.595	9.562	9.609	VV	1465	28974	0.32%	0.092%
139	9.611	9.609	9.615	VV	969	3892	0.04%	0.012%
140	9.619	9.615	9.640	VV	1025	10555	0.12%	0.033%
141	9.645	9.640	9.672	VV	584	10157	0.11%	0.032%

					rteres			
142	9.678	9.672	9.698	VV	470	6358	0.07%	0.020%
143	9.709	9.698	9.737	VV	390	6190	0.07%	0.020%
144	9.755	9.737	9.772	VV	545	7532	0.08%	0.024%
145	9.786	9.772	9.796	VV	762	7721	0.08%	0.024%
146	9.823	9.796	9.849	VV	1293	23881	0.26%	0.076%
147	9.860	9.849	9.865	VV	648	5003	0.06%	0.016%
148	9.877	9.865	9.888	VV	675	8127	0.09%	0.026%
149	9.905	9.888	9.919	VV	900	13216	0.15%	0.042%
150	9.934	9.919	9.939	VV	793	7412	0.08%	0.024%
151	9.942	9.939	9.959	VV	654	7159	0.08%	0.023%
152	9.972	9.959	9.976	VV	836	6468	0.07%	0.021%
153	9.983	9.976	9.997	VV	733	7990	0.09%	0.025%
154	10.012	9.997	10.055	VV	1654	24019	0.26%	0.076%
155	10.065	10.055	10.076	VV	400	3652	0.04%	0.012%
156	10.099	10.076	10.120	VV	996	17852	0.20%	0.057%
157	10.125	10.120	10.157	VV	760	12487	0.14%	0.040%
158	10.184	10.157	10.211	VV	1522	28121	0.31%	0.089%
159	10.217	10.211	10.226	VV	794	6236	0.07%	0.020%
160	10.254	10.226	10.280	VV	1398	30658	0.34%	0.097%
161	10.292	10.280	10.308	VV	1037	12111	0.13%	0.038%
162	10.322	10.308	10.335	VV	841	10794	0.12%	0.034%
163	10.362	10.335	10.391	VV	3147	48067	0.53%	0.152%
164	10.395	10.391	10.399	VV	496	1811	0.02%	0.006%
165	10.404	10.399	10.424	VV	512	5843	0.06%	0.019%
166	10.429	10.424	10.438	VV	445	2932	0.03%	0.009%
167	10.459	10.438	10.483	VV	725	10532	0.12%	0.033%
168	10.490	10.483	10.508	VV	448	4631	0.05%	0.015%
169	10.529	10.508	10.542	VV	521	7463	0.08%	0.024%
170	10.545	10.542	10.582	VV	489	9209	0.10%	0.029%
171	10.601	10.591	10.620	VV	518	5351	0.06%	0.017%
172	10.637	10.620	10.642	VV	448	4493	0.05%	0.014%
173	10.663	10.642	10.684	VV	1262	16919	0.19%	0.054%
174	10.702	10.684	10.732	VV	546	9394	0.10%	0.030%
175	10.762	10.732	10.780	VV	392	7707	0.08%	0.024%
176	10.785	10.780	10.797	VV	282	1814	0.02%	0.006%
177	10.804	10.797	10.812	VV	217	1254	0.01%	0.004%
178	10.883	10.830	10.913	VV	642	14025	0.15%	0.044%
179	10.945	10.913	10.970	VV	1279	18372	0.20%	0.058%
180	10.980	10.970	11.004	VV	546	7639	0.08%	0.024%
181	11.029	11.004	11.052	VV	1452	23744	0.26%	0.075%
182	11.056	11.052	11.088	VV	409	5941	0.07%	0.019%
183	11.093	11.088	11.127	VV	443	4888	0.05%	0.016%
184	11.153	11.127	11.162	VV	559	8326	0.09%	0.026%
185	11.167	11.162	11.196	VV	374	4130	0.05%	0.013%
186	11.235	11.196	11.312	VV	657157	7117466	78.25%	22.570%
187	11.317	11.312	11.338	VV	1779	22642	0.25%	0.072%
188	11.343	11.338	11.383	VV	1134	22641	0.25%	0.072%
189	11.410	11.383	11.434	VV	1881	33091	0.36%	0.105%
190	11.441	11.434	11.456	VV	443	5076	0.06%	0.016%
191	11.463	11.456	11.475	VV	426	4009	0.04%	0.013%
192	11.478	11.475	11.485	VV	371	2024	0.02%	0.006%
193	11.521	11.485	11.526	VV	651	10806	0.12%	0.034%
194	11.532	11.526	11.541	VV	688	4755	0.05%	0.015%

					rteres			
195	11.565	11.541	11.578	VV	1323	19999	0.22%	0.063%
196	11.587	11.578	11.611	VV	1289	20589	0.23%	0.065%
197	11.616	11.611	11.632	VV	884	10008	0.11%	0.032%
198	11.667	11.632	11.718	VV	7791	126873	1.39%	0.402%
199	11.733	11.718	11.744	VV	910	10622	0.12%	0.034%
200	11.757	11.744	11.780	VV	1009	15618	0.17%	0.050%
201	11.813	11.780	11.840	VV	2433	48900	0.54%	0.155%
202	11.861	11.840	11.933	VV	25148	442008	4.86%	1.402%
203	11.939	11.933	12.012	VV	2015	67194	0.74%	0.213%
204	12.019	12.012	12.059	VV	1239	29557	0.32%	0.094%
205	12.103	12.059	12.132	VV	10504	155765	1.71%	0.494%
206	12.146	12.132	12.158	VV	804	10441	0.11%	0.033%
207	12.174	12.158	12.208	VV	1597	26992	0.30%	0.086%
208	12.243	12.208	12.259	VV	1563	23049	0.25%	0.073%
209	12.262	12.259	12.270	VV	724	4277	0.05%	0.014%
210	12.310	12.270	12.344	VV	3308	57111	0.63%	0.181%
211	12.347	12.344	12.354	VV	425	1996	0.02%	0.006%
212	12.366	12.354	12.390	VV	510	7825	0.09%	0.025%
213	12.391	12.390	12.410	VV	353	2085	0.02%	0.007%
214	12.420	12.410	12.439	VV	1051	3665	0.04%	0.012%
215	12.444	12.439	12.467	VV	384	3734	0.04%	0.012%
216	12.496	12.467	12.514	VV	557	11228	0.12%	0.036%
217	12.519	12.514	12.540	VV	483	6133	0.07%	0.019%
218	12.563	12.540	12.576	VV	452	6698	0.07%	0.021%
219	12.602	12.576	12.626	VV	607	12683	0.14%	0.040%
220	12.638	12.626	12.641	VV	496	3967	0.04%	0.013%
221	12.675	12.641	12.727	VV	143386	1710349	18.80%	5.424%
222	12.731	12.727	12.797	VV	1338	34350	0.38%	0.109%
223	12.810	12.797	12.816	VV	595	5978	0.07%	0.019%
224	12.856	12.816	12.882	VV	846	26155	0.29%	0.083%
225	12.914	12.882	12.980	VV	5196	99642	1.10%	0.316%
226	12.991	12.980	13.012	VV	717	12629	0.14%	0.040%
227	13.043	13.012	13.074	VV	974	27656	0.30%	0.088%
228	13.095	13.074	13.164	VV	7306	176076	1.94%	0.558%
229	13.170	13.164	13.210	VV	1248	28692	0.32%	0.091%
230	13.226	13.210	13.249	VV	880	18490	0.20%	0.059%
231	13.257	13.249	13.299	VV	906	25391	0.28%	0.081%
232	13.305	13.299	13.325	VV	910	11220	0.12%	0.036%
233	13.393	13.325	13.413	VV	1768	53591	0.59%	0.170%
234	13.432	13.413	13.508	VV	1497	36748	0.40%	0.117%
235	13.538	13.508	13.565	VV	522	10109	0.11%	0.032%
236	13.571	13.565	13.605	VV	265	2714	0.03%	0.009%
237	13.660	13.605	13.683	VV	390	11193	0.12%	0.035%
238	13.703	13.683	13.717	VV	508	8354	0.09%	0.026%
239	13.727	13.717	13.754	VV	505	7920	0.09%	0.025%
240	13.768	13.754	13.790	VV	495	8660	0.10%	0.027%
241	13.810	13.790	13.824	VV	497	7576	0.08%	0.024%
242	13.885	13.824	13.973	VV	1630	64689	0.71%	0.205%
243	13.989	13.973	14.016	VV	641	11104	0.12%	0.035%
244	14.066	14.016	14.078	VV	565	14283	0.16%	0.045%
245	14.128	14.078	14.187	VV	719	36822	0.40%	0.117%
246	14.199	14.187	14.213	VV	595	7767	0.09%	0.025%

					rteres			
247	14.234	14.213	14.254	VV	710	12977	0.14%	0.041%
248	14.263	14.254	14.270	VV	617	5286	0.06%	0.017%
249	14.299	14.270	14.315	VV	913	20220	0.22%	0.064%
250	14.337	14.315	14.372	VV	933	22360	0.25%	0.071%
251	14.387	14.372	14.431	VV	496	11933	0.13%	0.038%
252	14.455	14.431	14.464	VV	462	5687	0.06%	0.018%
253	14.504	14.464	14.517	VV	1280	27772	0.31%	0.088%
254	14.532	14.517	14.572	VV	1655	29452	0.32%	0.093%
255	14.590	14.572	14.655	VV	927	18413	0.20%	0.058%
256	14.697	14.655	14.745	PV	1349	24807	0.27%	0.079%
257	14.757	14.745	14.774	VV	543	6147	0.07%	0.019%
258	14.778	14.774	14.799	VV	442	4453	0.05%	0.014%
259	14.810	14.799	14.835	VV	286	5069	0.06%	0.016%
260	14.854	14.835	14.879	VV	464	8593	0.09%	0.027%
261	14.914	14.879	15.024	VV	7505	200949	2.21%	0.637%
262	15.071	15.024	15.138	VV	2546	73555	0.81%	0.233%
263	15.149	15.138	15.157	VV	543	5209	0.06%	0.017%
264	15.186	15.157	15.217	VV	775	20151	0.22%	0.064%
265	15.243	15.217	15.300	VV	1441	32331	0.36%	0.103%
266	15.350	15.300	15.362	VV	894	19295	0.21%	0.061%
267	15.375	15.362	15.417	VV	792	19327	0.21%	0.061%
268	15.435	15.417	15.474	VV	696	17010	0.19%	0.054%
269	15.509	15.474	15.527	VV	901	19151	0.21%	0.061%
270	15.547	15.527	15.570	VV	1438	24591	0.27%	0.078%
271	15.578	15.570	15.609	VV	843	13320	0.15%	0.042%
272	15.628	15.609	15.670	VV	542	12130	0.13%	0.038%
273	15.685	15.670	15.702	VV	431	4663	0.05%	0.015%
274	15.707	15.702	15.726	VV	205	2781	0.03%	0.009%
275	15.738	15.726	15.747	VV	351	2650	0.03%	0.008%
276	15.754	15.747	15.806	VV	302	6816	0.07%	0.022%
277	15.835	15.806	15.845	VV	239	3776	0.04%	0.012%
278	15.860	15.845	15.885	VV	224	3948	0.04%	0.013%
279	15.933	15.885	15.960	PV	1108	26554	0.29%	0.084%
280	15.984	15.960	16.005	VV	927	19433	0.21%	0.062%
281	16.027	16.005	16.065	VV	1018	21054	0.23%	0.067%
282	16.126	16.065	16.165	VV	1236	37856	0.42%	0.120%
283	16.174	16.165	16.184	VV	439	4186	0.05%	0.013%
284	16.235	16.184	16.357	VV	1082	65861	0.72%	0.209%
285	16.371	16.357	16.380	VV	771	9289	0.10%	0.029%
286	16.404	16.380	16.435	VV	963	24526	0.27%	0.078%
287	16.457	16.435	16.475	VV	1103	20689	0.23%	0.066%
288	16.489	16.475	16.510	VV	1991	24121	0.27%	0.076%
289	16.532	16.510	16.565	VV	6037	85734	0.94%	0.272%
290	16.588	16.565	16.620	VV	600	14491	0.16%	0.046%
291	16.629	16.620	16.654	VV	362	5573	0.06%	0.018%
292	16.658	16.654	16.683	VV	305	3965	0.04%	0.013%
293	16.698	16.683	16.742	VV	355	7856	0.09%	0.025%
294	16.768	16.742	16.777	VV	215	3436	0.04%	0.011%
295	16.805	16.777	16.833	VV	713	13060	0.14%	0.041%
296	16.865	16.833	16.914	PV	813	21638	0.24%	0.069%
297	16.940	16.914	16.969	VV	1745	30773	0.34%	0.098%
298	16.979	16.969	16.999	VV	372	5974	0.07%	0.019%
299	17.015	16.999	17.032	VV	427	7069	0.08%	0.022%

					rteres			
300	17.046	17.032	17.066	VV	514	8313	0.09%	0.026%
301	17.073	17.066	17.123	VV	376	10268	0.11%	0.033%
302	17.180	17.123	17.205	VV	536	18053	0.20%	0.057%
303	17.211	17.205	17.230	VV	519	6335	0.07%	0.020%
304	17.236	17.230	17.284	VV	538	13043	0.14%	0.041%
305	17.314	17.284	17.325	VV	683	12964	0.14%	0.041%
306	17.343	17.325	17.355	VV	1395	18372	0.20%	0.058%
307	17.371	17.355	17.443	VV	2073	41809	0.46%	0.133%
308	17.467	17.443	17.520	VV	2512	46228	0.51%	0.147%
309	17.528	17.520	17.541	VV	555	3563	0.04%	0.011%
310	17.577	17.541	17.599	VV	373	7794	0.09%	0.025%
311	17.614	17.599	17.634	VV	206	2581	0.03%	0.008%
312	17.666	17.634	17.692	PV	511	10115	0.11%	0.032%
313	17.732	17.692	17.775	VV	5626	118703	1.30%	0.376%
314	17.792	17.775	17.836	VV	2493	51669	0.57%	0.164%
315	17.845	17.836	17.870	VV	512	6472	0.07%	0.021%
316	17.900	17.870	17.938	VV	610	15102	0.17%	0.048%
317	17.971	17.938	17.982	VV	248	3850	0.04%	0.012%
318	18.006	17.982	18.029	VV	421	7221	0.08%	0.023%
319	18.039	18.029	18.084	VV	309	7188	0.08%	0.023%
320	18.199	18.084	18.225	VV	2159	56816	0.62%	0.180%
321	18.233	18.225	18.271	VV	708	10257	0.11%	0.033%
Sum of corrected areas:						31535303		

Aromatic EPH 021125.M Sat Mar 01 04:05:30 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
 Data File : FD049130.D
 Signal(s) : FID2B.ch
 Acq On : 28 Feb 2025 11:00
 Operator : YP/AJ
 Sample : PB166923BL
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 PB166923BL

Integration File: autoint1.e
 Quant Time: Mar 01 02:16:49 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
 Quant Title : GC Extractables
 QLast Update : Wed Feb 12 12:54:29 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...	7.352	8010402	55.974 ug/ml
Spiked Amount 50.000		Recovery =	111.95%
6) S 2-Fluorobiphenyl (SURR)	8.201	5081253	57.799 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	115.60%
11) S ortho-Terphenyl (SURR)	11.236	8041222	49.706 ug/ml
Spiked Amount 50.000		Recovery =	99.41%

Target Compounds

(f)=RT Delta > 1/2 Window

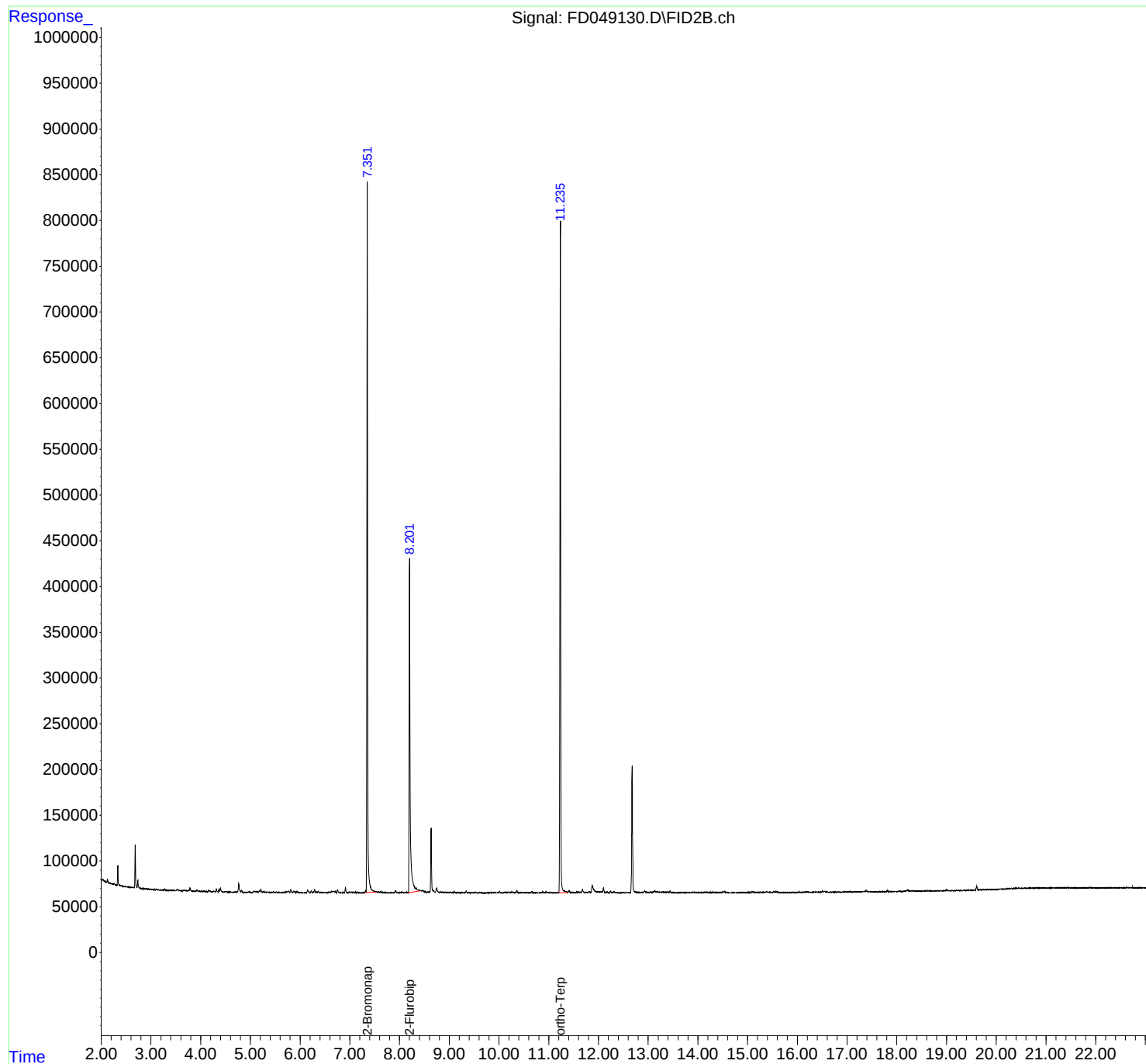
(m)=manual int.

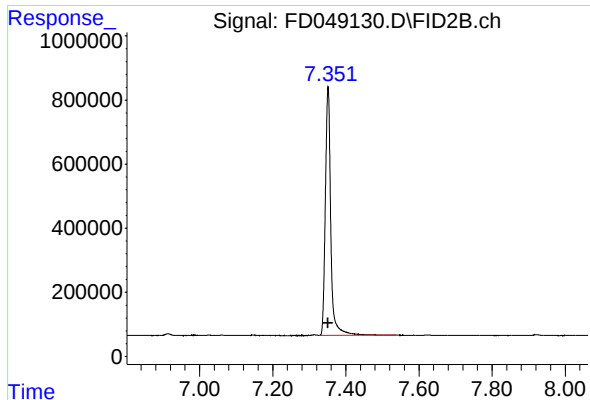
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
Data File : FD049130.D
Signal(s) : FID2B.ch
Acq On : 28 Feb 2025 11:00
Operator : YP/AJ
Sample : PB166923BL
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB166923BL

Integration File: autoint1.e
Quant Time: Mar 01 02:16:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Feb 12 12:54:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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

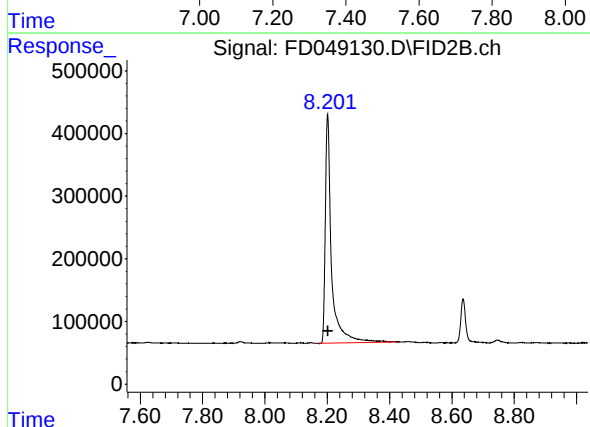




#4 2-Bromonaphthalene (SURR)

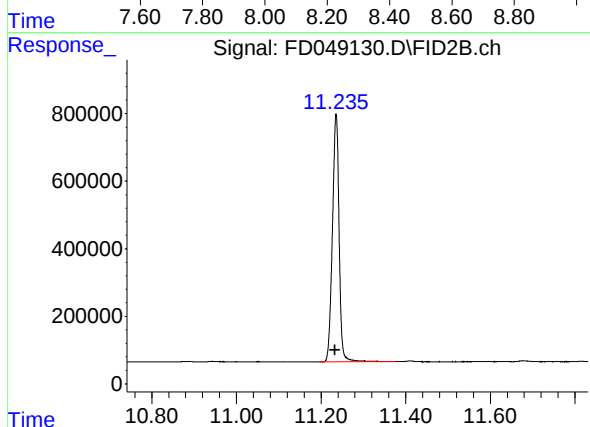
R.T.: 7.352 min
Delta R.T.: 0.000 min
Response: 8010402
Conc: 55.97 ug/ml

Instrument :
FID_D
ClientSampleId :
PB166923BL



#6 2-Fluorobiphenyl (SURR)

R.T.: 8.201 min
Delta R.T.: 0.000 min
Response: 5081253
Conc: 57.80 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.236 min
Delta R.T.: 0.002 min
Response: 8041222
Conc: 49.71 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
 Data File : FD049130.D
 Signal(s) : FID2B.ch
 Acq On : 28 Feb 2025 11:00
 Sample : PB166923BL
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.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	7.352	7.327	7.537	VB	776735	8010402	99.62%	37.905%
2	8.201	8.174	8.420	PB	364991	5081253	63.19%	24.044%
3	11.236	11.195	11.377	BB	734702	8041222	100.00%	38.051%
Sum of corrected areas:						21132876		

Aromatic EPH 021125.M Sat Mar 01 03:51:24 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022825AL\
Data File : FC068322.D
Signal(s) : FID1A.ch
Acq On : 28 Feb 2025 11:00
Operator : YP/AJ
Sample : PB166923BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB166923BL

Integration File: autoint1.e
Quant Time: Mar 05 05:22:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Mar 05 03:08:52 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...	12.840	4680251	41.612 ug/ml
Spiked Amount	50.000	Recovery	= 83.22%

Target Compounds

(f)=RT Delta > 1/2 Window

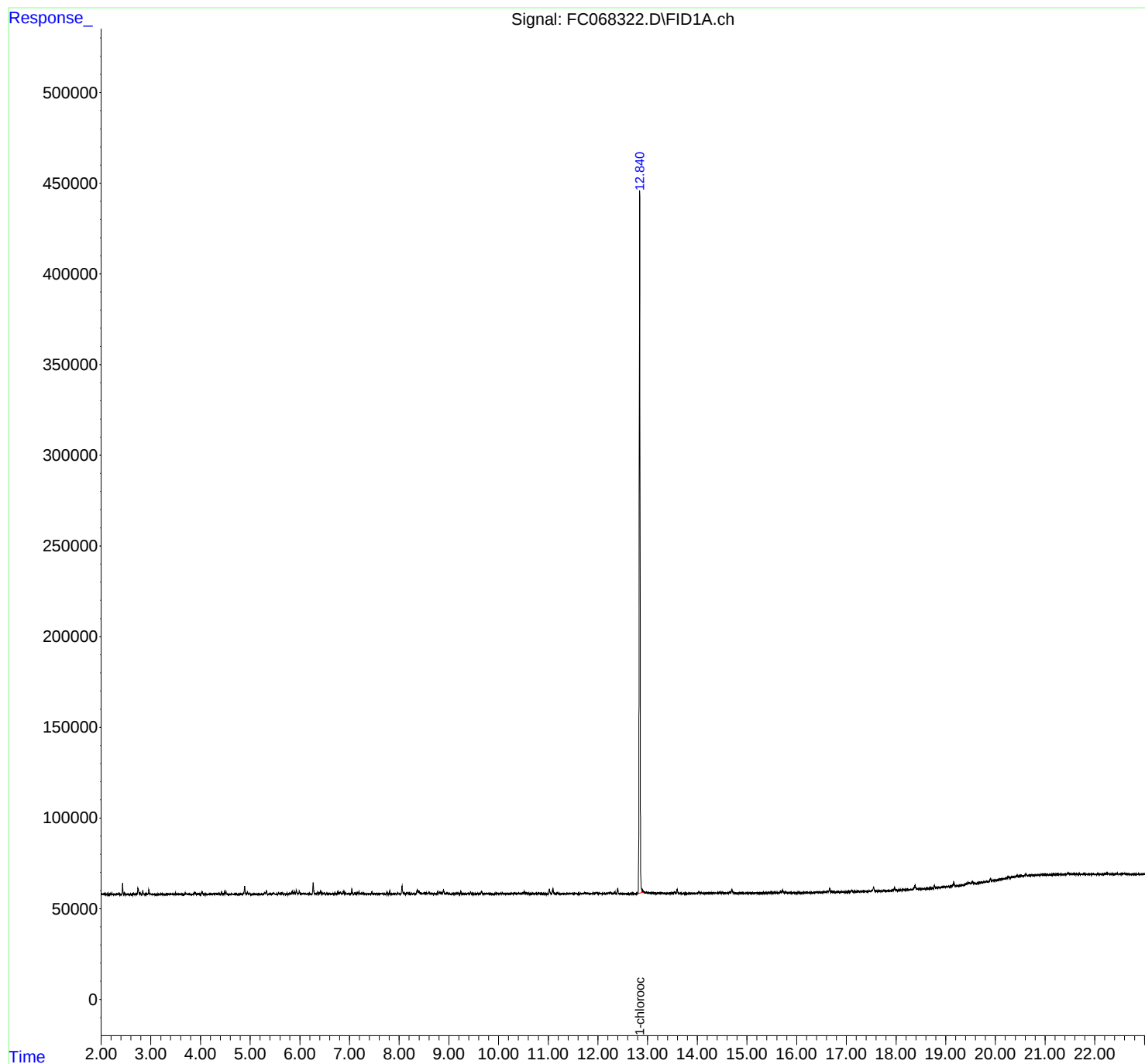
(m)=manual int.

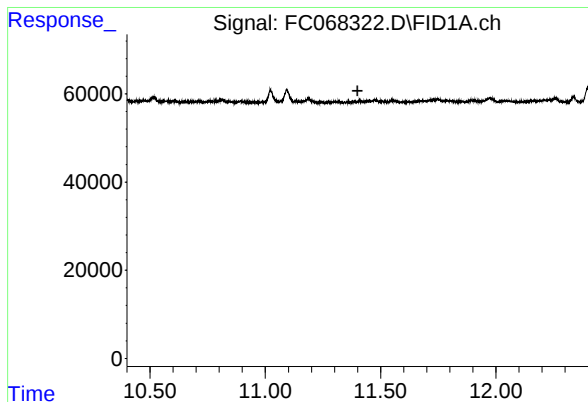
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022825AL\
Data File : FC068322.D
Signal(s) : FID1A.ch
Acq On : 28 Feb 2025 11:00
Operator : YP/AJ
Sample : PB166923BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB166923BL

Integration File: autoint1.e
Quant Time: Mar 05 05:22:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Mar 05 03:08:52 2025
Response via : Initial Calibration
Integrator: ChemStation

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

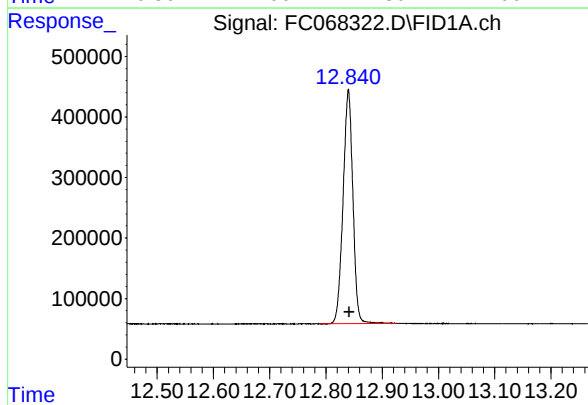




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.400 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
PB166923BL



#12 1-chlorooctadecane (SURR)

R.T.: 12.840 min
Delta R.T.: -0.002 min
Response: 4680251
Conc: 41.61 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022825AL\
 Data File : FC068322.D
 Signal(s) : FID1A.ch
 Acq On : 28 Feb 2025 11:00
 Sample : PB166923BL
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.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	12.840	12.788	12.925	BB	386372	4680251	100.00%	100.000%
Sum of corrected areas:						4680251		

Aliphatic EPH 021125.M Sat Mar 01 01:22:54 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
 Data File : FD049131.D
 Signal(s) : FID2B.ch
 Acq On : 28 Feb 2025 11:37
 Operator : YP/AJ
 Sample : PB166923BS
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 PB166923BS

Integration File: autoint1.e
 Quant Time: Mar 01 02:17:06 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
 Quant Title : GC Extractables
 QLast Update : Wed Feb 12 12:54:29 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...	7.352	8337130	58.257 ug/ml
Spiked Amount 50.000		Recovery =	116.51%
6) S 2-Fluorobiphenyl (SURR)	8.203	5441864	61.901 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	123.80%
11) S ortho-Terphenyl (SURR)	11.237	8579131	53.031 ug/ml
Spiked Amount 50.000		Recovery =	106.06%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.176	7284149	45.739 ug/ml
2) T Naphthalene (C11.7)	5.693	8222037	51.780 ug/ml
3) T 2-Methylnaphthalene (...)	6.739	8074488	51.862 ug/ml
5) T Acenaphthylene (C15.06)	8.005	9136899	56.191 ug/ml
7) T Acenaphthene (C15.5)	8.300	9599893	58.355 ug/ml
8) T Fluorene (C16.55)	9.079	9673508	61.361 ug/ml
9) T Phenanthrene (C19.36)	10.467	9815403	65.132 ug/ml
10) T Anthracene (C19.43)	10.543	9838705	65.145 ug/ml
12) T Fluoranthene (C21.85)	12.273	10212040	66.177 ug/ml
13) T Pyrene (C20.8)	12.566	10018958	65.034 ug/ml
14) T Benzo[a]anthracene (C...	14.437	9485151	72.191 ug/ml
15) T Chrysene (C27.41)	14.479	9302019	57.531 ug/ml
16) T benzo[b]fluoranthene ...	15.987	9472667	68.845 ug/ml
17) T Bnezo[k]fluoranthene ...	16.022	9519915	60.275 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.362	9102339	67.059 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.733	8774948	80.300 ug/ml
20) T Dibenz[a,h]anthracene...	17.767	8997450	57.996 ug/ml
21) T Benzo[g,h,i]perylene ...	17.983	8981700	61.964 ug/ml

(f)=RT Delta > 1/2 Window

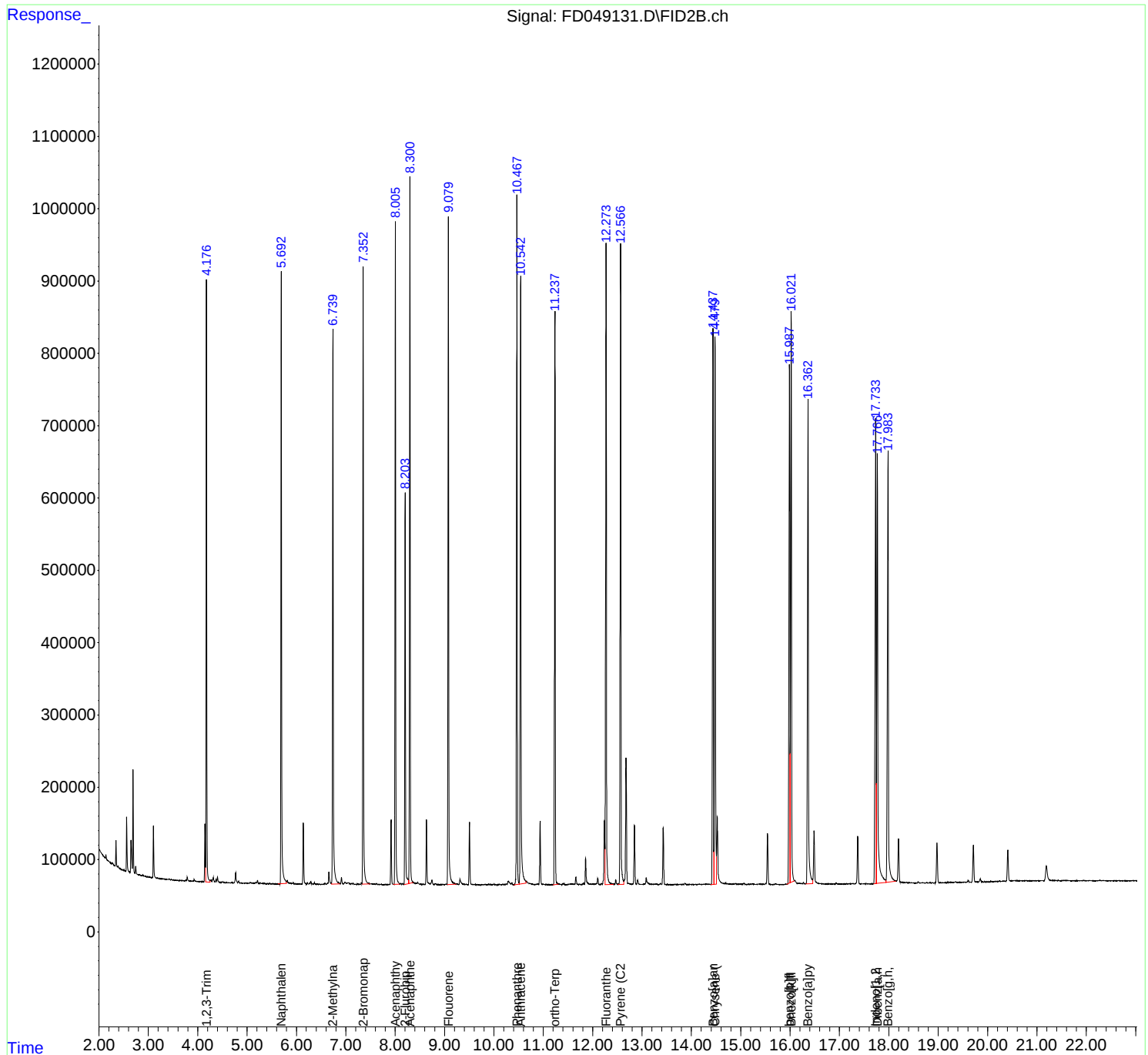
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
Data File : FD049131.D
Signal(s) : FID2B.ch
Acq On : 28 Feb 2025 11:37
Operator : YP/AJ
Sample : PB166923BS
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB166923BS

Integration File: autoint1.e
Quant Time: Mar 01 02:17:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Feb 12 12:54:29 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\FD022825AR\
 Data File : FD049131.D
 Signal(s) : FID2B.ch
 Acq On : 28 Feb 2025 11:37
 Sample : PB166923BS
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.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	4.176	4.160	4.251	VV	832466	7284149	71.33%	3.877%
2	5.693	5.625	5.797	BV	847783	8222037	80.51%	4.376%
3	6.739	6.710	6.875	VV	766284	8074488	79.07%	4.298%
4	7.352	7.328	7.497	VB	853398	8337130	81.64%	4.438%
5	8.005	7.960	8.095	BV	916751	9136899	89.47%	4.863%
6	8.203	8.177	8.272	BV	542452	5441864	53.29%	2.897%
7	8.300	8.272	8.367	VV	975321	9599893	94.01%	5.110%
8	9.079	9.051	9.230	PV	926912	9673508	94.73%	5.149%
9	10.467	10.403	10.513	BV	952424	9815403	96.12%	5.225%
10	10.543	10.513	10.647	VV	840898	9838705	96.34%	5.237%
11	11.237	11.193	11.310	BV	791167	8579131	84.01%	4.567%
12	12.273	12.248	12.427	VB	888617	10212040	100.00%	5.436%
13	12.566	12.507	12.632	VV	889348	10018958	98.11%	5.333%
14	14.437	14.393	14.454	BV	768080	9485151	92.88%	5.049%
15	14.479	14.454	14.507	VV	756410	9302019	91.09%	4.951%
16	15.987	15.930	16.001	BV	716637	9472667	92.76%	5.042%
17	16.022	16.001	16.085	VV	788969	9519915	93.22%	5.067%
18	16.362	16.313	16.457	BV	670089	9102339	89.13%	4.845%
19	17.733	17.690	17.746	BV	643928	8774948	85.93%	4.671%
20	17.767	17.746	17.942	VV	594625	8997450	88.11%	4.789%
21	17.983	17.942	18.143	VV	596917	8981700	87.95%	4.781%
Sum of corrected areas:						187870394		

Aromatic EPH 021125.M Sat Mar 01 03:53:48 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022825AL\
 Data File : FC068323.D
 Signal(s) : FID1A.ch
 Acq On : 28 Feb 2025 11:37
 Operator : YP/AJ
 Sample : PB166923BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 PB166923BS

Integration File: autoint1.e
 Quant Time: Mar 05 05:23:03 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
 Quant Title : GC Extractables
 QLast Update : Wed Mar 05 03:08:52 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...	12.840	4376930	38.915 ug/ml
Spiked Amount 50.000		Recovery =	77.83%
Target Compounds			
1) T n-Nonane (C9)	3.205	3770437	26.802 ug/ml
2) T n-Decane (C10)	4.262	4690075	33.105 ug/ml
4) T n-Dodecane (C12)	6.270	5370934	38.157 ug/ml
6) T n-Tetradecane (C14)	8.059	5778269	42.380 ug/ml
7) T n-Hexadecane (C16)	9.655	6026599	44.001 ug/ml
8) T n-Octadecane (C18)	11.094	6267228	45.827 ug/ml
10) T n-Eicosane (C20)	12.400	6468032	49.645 ug/ml
11) T n-Heneicosane (C21)	13.011	6177617	48.320 ug/ml
13) T n-Docosane (C22)	13.595	6141972	48.735 ug/ml
14) T n-Tetracosane (C24)	14.696	6008487	48.309 ug/ml
15) T n-Hexacosane (C26)	15.715	5879209	48.352 ug/ml
16) T n-Octacosane (C28)	16.664	5728664	48.234 ug/ml
17) T n-Tricontane (C30)	17.550	5730289	47.607 ug/ml
18) T n-Dotriacontane (C32)	18.381	5695730	49.073 ug/ml
19) T n-Tetratriacontane (C34)	19.164	5652338	52.308 ug/ml
20) T n-Hexatriacontane (C36)	19.903	5406820	56.222 ug/ml
21) T n-Octatriacontane (C38)	20.615	5240074	58.289 ug/ml
22) T n-Tetracontane (C40)	21.470	5034272	58.186 ug/ml

(f)=RT Delta > 1/2 Window

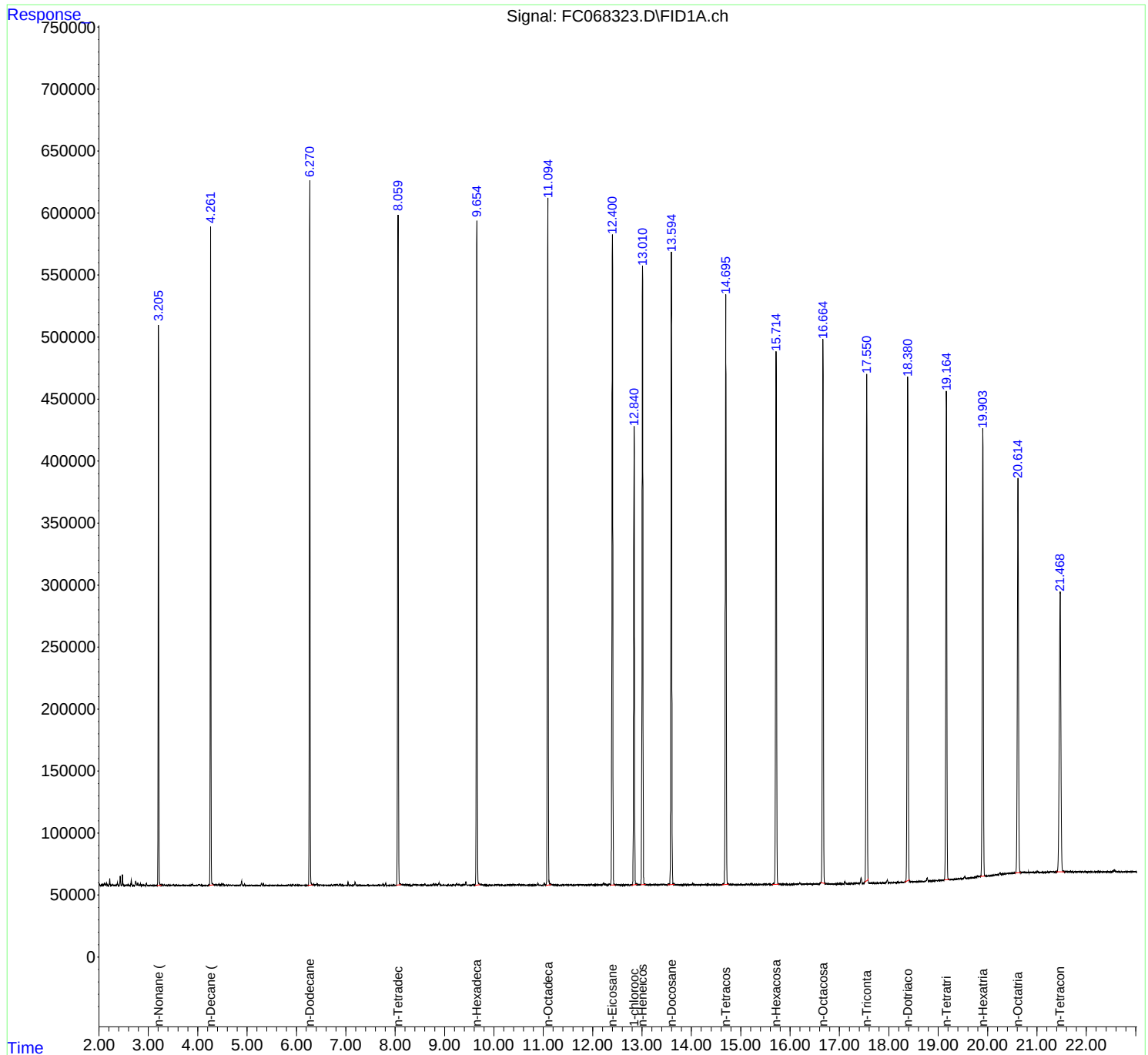
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022825AL\
Data File : FC068323.D
Signal(s) : FID1A.ch
Acq On : 28 Feb 2025 11:37
Operator : YP/AJ
Sample : PB166923BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB166923BS

Integration File: autoint1.e
Quant Time: Mar 05 05:23:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Mar 05 03:08:52 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\FC022825AL\
 Data File : FC068323.D
 Signal(s) : FID1A.ch
 Acq On : 28 Feb 2025 11:37
 Sample : PB166923BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.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	3.205	3.178	3.268	BB	449086	3770437	58.29%	3.570%
2	4.262	4.228	4.321	BB	526418	4690075	72.51%	4.441%
3	6.270	6.228	6.331	BB	569210	5370934	83.04%	5.085%
4	8.059	8.028	8.124	BB	538627	5778269	89.34%	5.471%
5	9.655	9.614	9.721	BB	535914	6026599	93.18%	5.706%
6	11.094	11.054	11.164	BB	550618	6267228	96.90%	5.934%
7	12.400	12.364	12.461	BB	527788	6468032	100.00%	6.124%
8	12.840	12.794	12.901	BB	374039	4376930	67.67%	4.144%
9	13.011	12.968	13.071	BB	499069	6177617	95.51%	5.849%
10	13.595	13.514	13.658	BB	506611	6141972	94.96%	5.815%
11	14.696	14.614	14.754	BB	474250	6008487	92.90%	5.689%
12	15.715	15.634	15.778	BB	426830	5879209	90.90%	5.567%
13	16.664	16.598	16.728	BB	438374	5768514	89.18%	5.462%
14	17.550	17.488	17.608	BB	407922	5811305	89.85%	5.502%
15	18.381	18.304	18.448	BB	407994	5745667	88.83%	5.440%
16	19.164	19.121	19.224	BB	392230	5652338	87.39%	5.352%
17	19.903	19.851	19.948	BB	359474	5406820	83.59%	5.119%
18	20.615	20.551	20.678	BB	318753	5240074	81.01%	4.961%
19	21.470	21.391	21.554	BB	221575	5034272	77.83%	4.767%
Sum of corrected areas:						105614773		

Aliphatic EPH 021125.M Sat Mar 01 01:23:14 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
 Data File : FD049132.D
 Signal(s) : FID2B.ch
 Acq On : 28 Feb 2025 12:13
 Operator : YP/AJ
 Sample : PB166923BSD
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 PB166923BSD

Integration File: autoint1.e
 Quant Time: Mar 01 02:17:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
 Quant Title : GC Extractables
 QLast Update : Wed Feb 12 12:54:29 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...	7.352	8444315	59.006 ug/ml
Spiked Amount 50.000		Recovery =	118.01%
6) S 2-Fluorobiphenyl (SURR)	8.203	5539761	63.015 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	126.03%
11) S ortho-Terphenyl (SURR)	11.237	8675284	53.626 ug/ml
Spiked Amount 50.000		Recovery =	107.25%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.177	7363423	46.237 ug/ml
2) T Naphthalene (C11.7)	5.693	8299718	52.269 ug/ml
3) T 2-Methylnaphthalene (...)	6.739	8179915	52.539 ug/ml
5) T Acenaphthylene (C15.06)	8.006	9241947	56.837 ug/ml
7) T Acenaphthene (C15.5)	8.301	9806969	59.614 ug/ml
8) T Fluorene (C16.55)	9.079	9794107	62.126 ug/ml
9) T Phenanthrene (C19.36)	10.467	9953645	66.049 ug/ml
10) T Anthracene (C19.43)	10.543	10019118	66.339 ug/ml
12) T Fluoranthene (C21.85)	12.273	10371581	67.210 ug/ml
13) T Pyrene (C20.8)	12.567	10147707	65.869 ug/ml
14) T Benzo[a]anthracene (C...	14.437	9644699	73.405 ug/ml
15) T Chrysene (C27.41)	14.480	9454131	58.472 ug/ml
16) T benzo[b]fluoranthene ...	15.988	9628743	69.979 ug/ml
17) T Bnezo[k]fluoranthene ...	16.022	9681524	61.298 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.364	9238467	68.062 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.734	8949996	81.902 ug/ml
20) T Dibenz[a,h]anthracene...	17.767	9240484	59.562 ug/ml
21) T Benzo[g,h,i]perylene ...	17.985	9127178	62.967 ug/ml

(f)=RT Delta > 1/2 Window

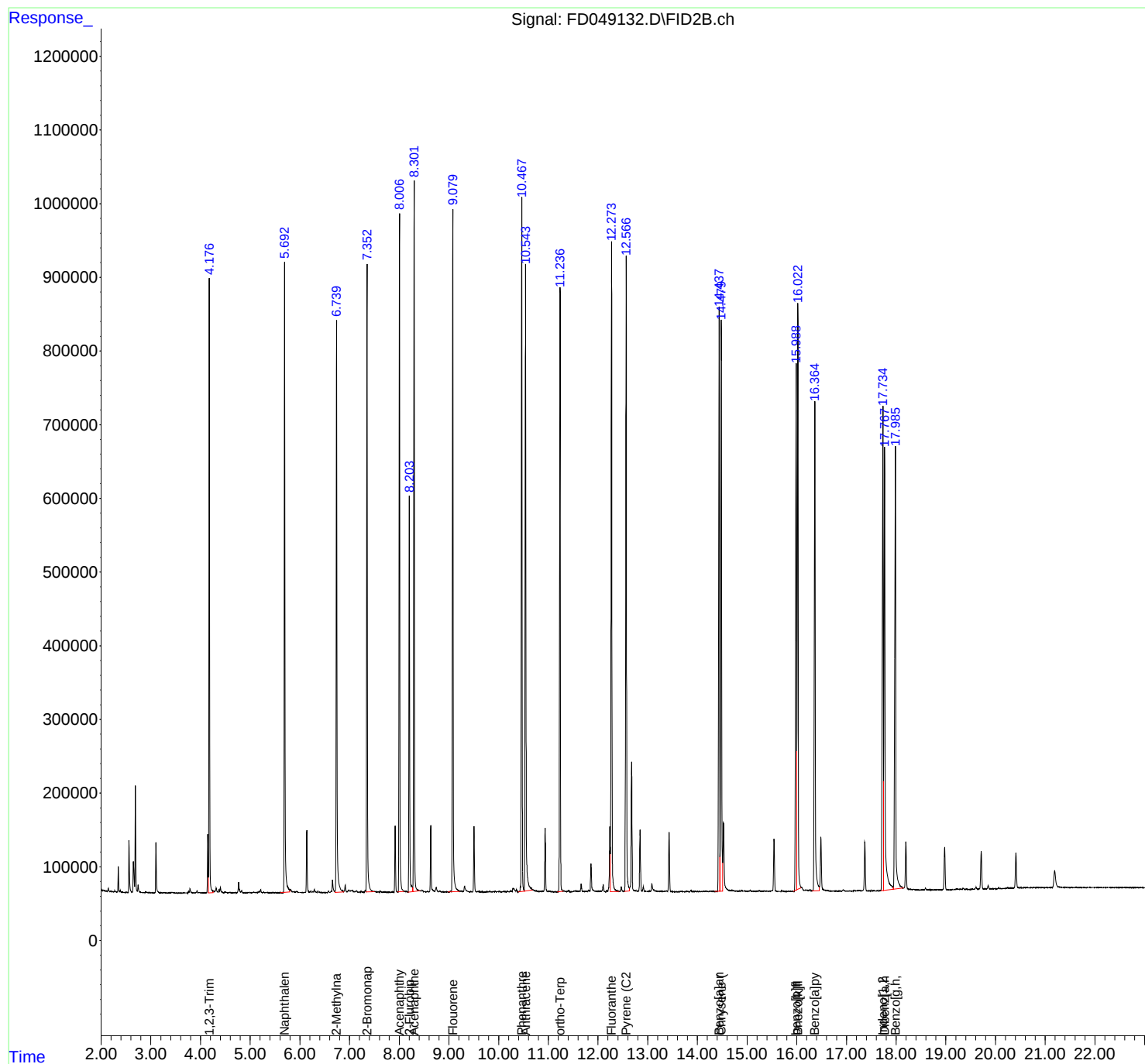
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
Data File : FD049132.D
Signal(s) : FID2B.ch
Acq On : 28 Feb 2025 12:13
Operator : YP/AJ
Sample : PB166923BSD
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB166923BSD

Integration File: autoint1.e
Quant Time: Mar 01 02:17:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Feb 12 12:54:29 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\FD022825AR\
 Data File : FD049132.D
 Signal(s) : FID2B.ch
 Acq On : 28 Feb 2025 12:13
 Sample : PB166923BSD
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.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	4.177	4.160	4.254	VV	833763	7363423	71.00%	3.859%
2	5.693	5.614	5.796	BV	854382	8299718	80.02%	4.350%
3	6.739	6.710	6.882	VV	774369	8179915	78.87%	4.287%
4	7.352	7.328	7.502	VV	850747	8444315	81.42%	4.426%
5	8.006	7.960	8.097	BV	918197	9241947	89.11%	4.844%
6	8.203	8.174	8.272	BV	537561	5539761	53.41%	2.903%
7	8.301	8.272	8.420	VB	960907	9806969	94.56%	5.140%
8	9.079	8.979	9.222	BV	923928	9794107	94.43%	5.133%
9	10.467	10.394	10.515	PV	942889	9953645	95.97%	5.217%
10	10.543	10.515	10.685	VV	852864	10019118	96.60%	5.251%
11	11.237	11.182	11.305	BV	818909	8675284	83.64%	4.547%
12	12.273	12.248	12.427	VB	878971	10371581	100.00%	5.436%
13	12.567	12.525	12.631	BV	861958	10147707	97.84%	5.318%
14	14.437	14.350	14.455	BV	792508	9644699	92.99%	5.055%
15	14.480	14.455	14.507	VV	775232	9454131	91.15%	4.955%
16	15.988	15.930	16.001	BV	716576	9628743	92.84%	5.046%
17	16.022	16.001	16.089	VV	793985	9681524	93.35%	5.074%
18	16.364	16.310	16.457	BV	664714	9238467	89.07%	4.842%
19	17.734	17.692	17.746	BV	656393	8949996	86.29%	4.691%
20	17.767	17.746	17.944	VV	600565	9240484	89.09%	4.843%
21	17.985	17.944	18.144	VV	600259	9127178	88.00%	4.784%
Sum of corrected areas:						190802711		

Aromatic EPH 021125.M Sat Mar 01 03:55:20 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022825AL\
 Data File : FC068324.D
 Signal(s) : FID1A.ch
 Acq On : 28 Feb 2025 12:13
 Operator : YP/AJ
 Sample : PB166923BSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 PB166923BSD

Integration File: autoint1.e
 Quant Time: Mar 05 05:23:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
 Quant Title : GC Extractables
 QLast Update : Wed Mar 05 03:08:52 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...	12.840	4356774	38.736 ug/ml
Spiked Amount 50.000		Recovery =	77.47%
Target Compounds			
1) T n-Nonane (C9)	3.205	3794951	26.976 ug/ml
2) T n-Decane (C10)	4.262	4712176	33.261 ug/ml
4) T n-Dodecane (C12)	6.270	5382829	38.242 ug/ml
6) T n-Tetradecane (C14)	8.059	5779518	42.389 ug/ml
7) T n-Hexadecane (C16)	9.655	6016543	43.927 ug/ml
8) T n-Octadecane (C18)	11.093	6243297	45.652 ug/ml
10) T n-Eicosane (C20)	12.399	6441586	49.442 ug/ml
11) T n-Heneicosane (C21)	13.010	6154772	48.142 ug/ml
13) T n-Docosane (C22)	13.595	6104328	48.436 ug/ml
14) T n-Tetracosane (C24)	14.697	5990514	48.164 ug/ml
15) T n-Hexacosane (C26)	15.715	5861152	48.203 ug/ml
16) T n-Octacosane (C28)	16.664	5725382	48.207 ug/ml
17) T n-Tricontane (C30)	17.551	5737111	47.664 ug/ml
18) T n-Dotriacontane (C32)	18.381	5715622	49.244 ug/ml
19) T n-Tetratriacontane (C34)	19.163	5668029	52.453 ug/ml
20) T n-Hexatriacontane (C36)	19.902	5431820	56.482 ug/ml
21) T n-Octatriacontane (C38)	20.616	5265474	58.572 ug/ml
22) T n-Tetracontane (C40)	21.470	5078129	58.693 ug/ml

(f)=RT Delta > 1/2 Window

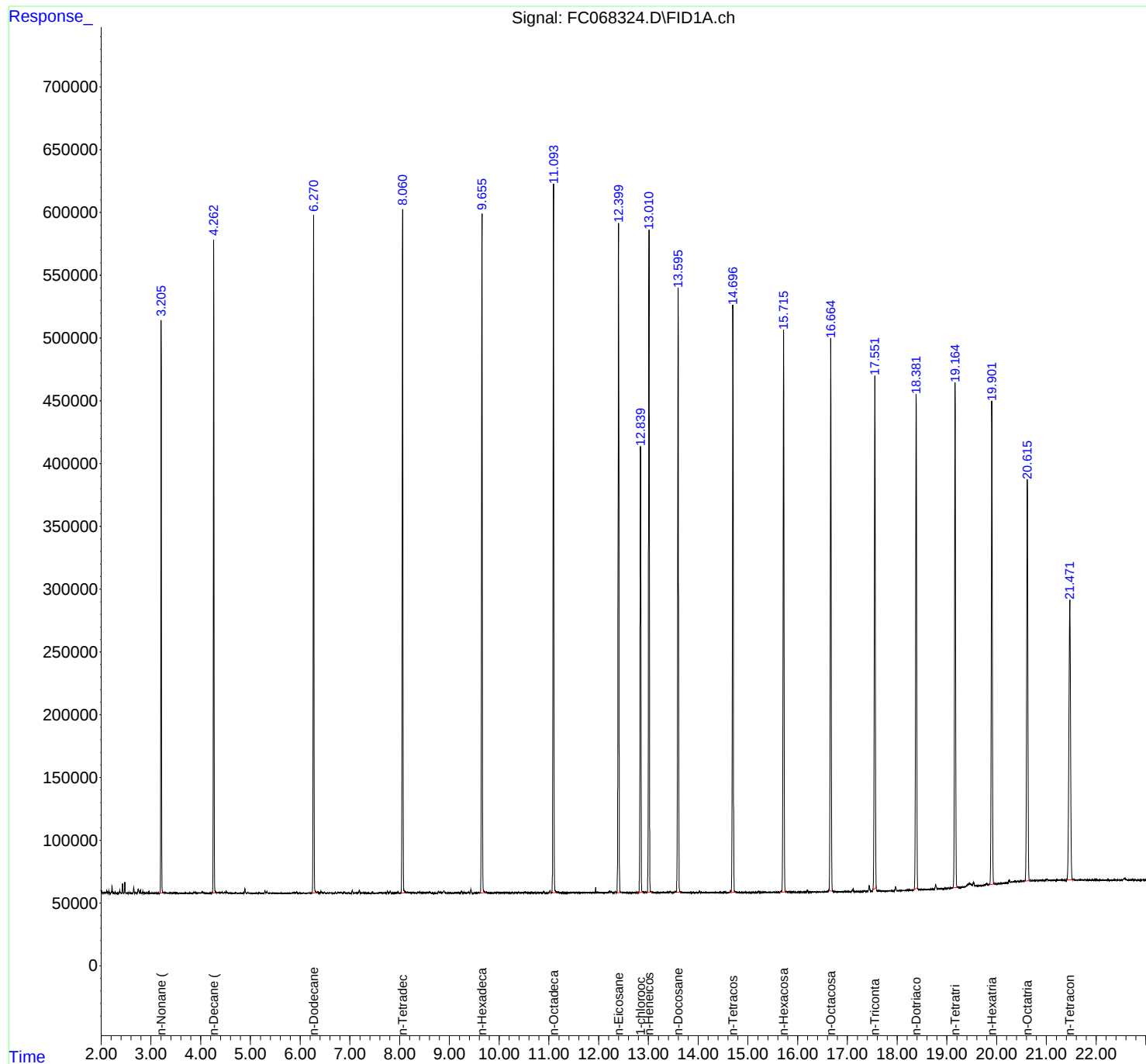
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022825AL\
Data File : FC068324.D
Signal(s) : FID1A.ch
Acq On : 28 Feb 2025 12:13
Operator : YP/AJ
Sample : PB166923BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB166923BSD

Integration File: autoint1.e
Quant Time: Mar 05 05:23:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Mar 05 03:08:52 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\FC022825AL\
 Data File : FC068324.D
 Signal(s) : FID1A.ch
 Acq On : 28 Feb 2025 12:13
 Sample : PB166923BSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.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	3.205	3.168	3.268	BB	454324	3794951	58.91%	3.592%
2	4.262	4.231	4.325	BB	517887	4712176	73.15%	4.460%
3	6.270	6.231	6.338	BB	544816	5382829	83.56%	5.095%
4	8.059	8.028	8.128	BB	537206	5779518	89.72%	5.471%
5	9.655	9.615	9.731	BB	535033	6016543	93.40%	5.695%
6	11.093	11.051	11.165	BB	558187	6243297	96.92%	5.910%
7	12.399	12.358	12.451	BB	523836	6441586	100.00%	6.097%
8	12.840	12.778	12.898	BB	356315	4356774	67.64%	4.124%
9	13.010	12.968	13.071	BB	522913	6154772	95.55%	5.826%
10	13.595	13.558	13.658	BB	481011	6104328	94.76%	5.778%
11	14.697	14.618	14.758	BB	467416	5990514	93.00%	5.671%
12	15.715	15.648	15.775	BB	442423	5861152	90.99%	5.548%
13	16.664	16.598	16.728	BB	439005	5768706	89.55%	5.461%
14	17.551	17.491	17.608	BB	410276	5827258	90.46%	5.516%
15	18.381	18.315	18.445	BB	395852	5765342	89.50%	5.457%
16	19.163	19.121	19.221	BB	404106	5668029	87.99%	5.365%
17	19.902	19.851	19.968	BB	380790	5431820	84.32%	5.142%
18	20.616	20.551	20.675	BB	316762	5265474	81.74%	4.984%
19	21.470	21.391	21.555	BB	222869	5078129	78.83%	4.807%
Sum of corrected areas:						105643198		

Aliphatic EPH 021125.M Sat Mar 01 01:23:32 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
 Data File : FD049142.D
 Signal(s) : FID2B.ch
 Acq On : 28 Feb 2025 18:56
 Operator : YP/AJ
 Sample : Q1421-02
 Misc :
 ALS Vial : 71 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 P001-CLAY-CF01-01MS

Integration File: autoint1.e
 Quant Time: Mar 01 02:21:11 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
 Quant Title : GC Extractables
 QLast Update : Wed Feb 12 12:54:29 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...	7.352	8441841	58.989 ug/ml
Spiked Amount 50.000		Recovery =	117.98%
6) S 2-Fluorobiphenyl (SURR)	8.203	5467908	62.198 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	124.40%
11) S ortho-Terphenyl (SURR)	11.234	5392113	33.331 ug/ml
Spiked Amount 50.000		Recovery =	66.66%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.176	7161833	44.971 ug/ml
2) T Naphthalene (C11.7)	5.693	7880512	49.629 ug/ml
3) T 2-Methylnaphthalene (...)	6.739	7723846	49.609 ug/ml
5) T Acenaphthylene (C15.06)	8.005	9044713	55.624 ug/ml
7) T Acenaphthene (C15.5)	8.300	9678387	58.832 ug/ml
8) T Fluorene (C16.55)	9.079	9845850	62.454 ug/ml
9) T Phenanthrene (C19.36)	10.468	10158364	67.407 ug/ml
10) T Anthracene (C19.43)	10.543	10371977	68.676 ug/ml
12) T Fluoranthene (C21.85)	12.273	10603708	68.715 ug/ml
13) T Pyrene (C20.8)	12.566	10302701	66.875 ug/ml
14) T Benzo[a]anthracene (C...	14.438	9819357	74.734 ug/ml
15) T Chrysene (C27.41)	14.480	9593320	59.333 ug/ml
16) T benzo[b]fluoranthene ...	15.988	9767406	70.987 ug/ml
17) T Bnezo[k]fluoranthene ...	16.023	9783217	61.942 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.364	9405556	69.293 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.734	9336608	85.440 ug/ml
20) T Dibenz[a,h]anthracene...	17.769	9340051	60.204 ug/ml
21) T Benzo[g,h,i]perylene ...	17.986	9206882	63.517 ug/ml

(f)=RT Delta > 1/2 Window

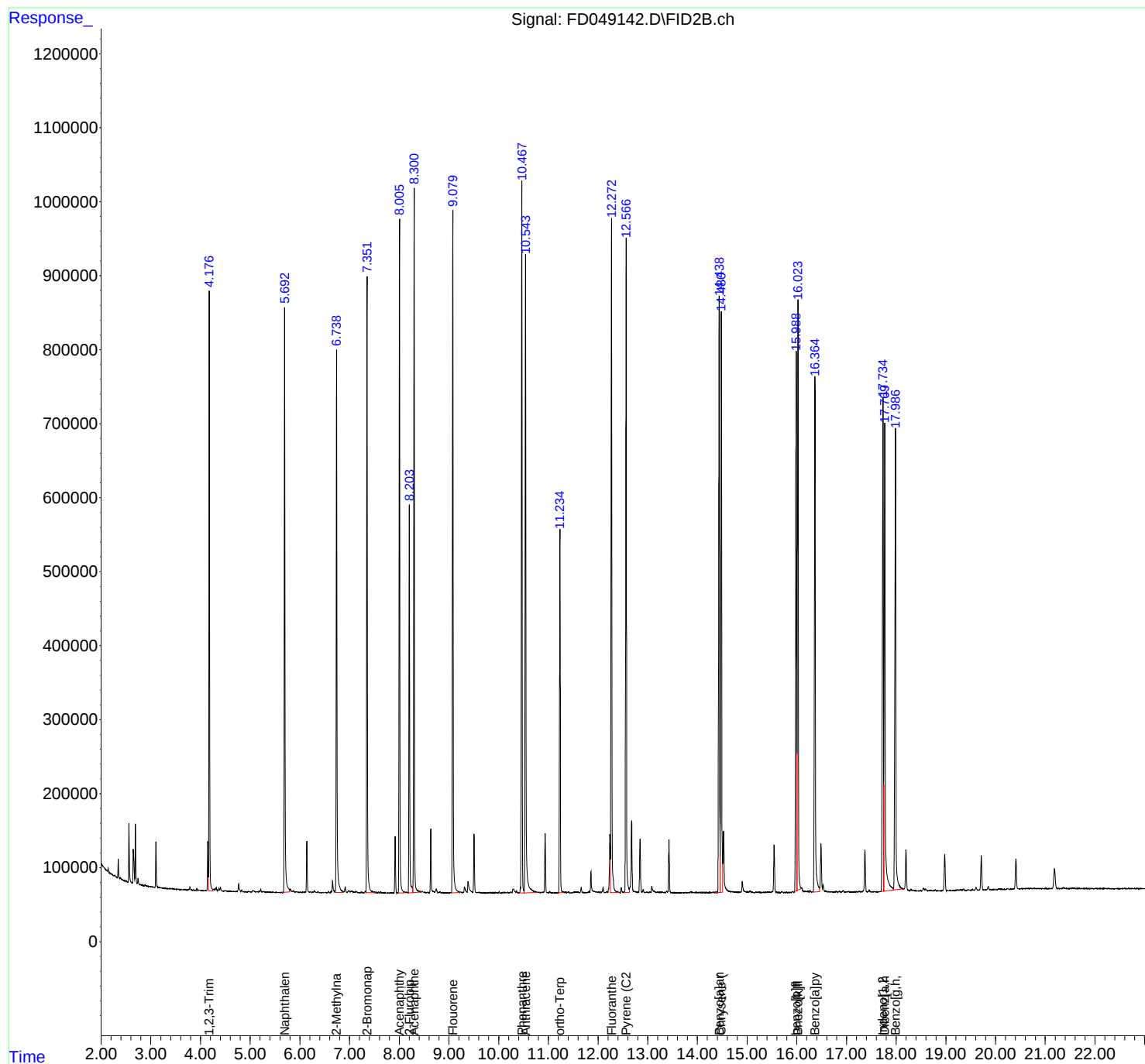
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
Data File : FD049142.D
Signal(s) : FID2B.ch
Acq On : 28 Feb 2025 18:56
Operator : YP/AJ
Sample : Q1421-02
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
P001-CLAY-CF01-01MS

Integration File: autoint1.e
Quant Time: Mar 01 02:21:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Feb 12 12:54:29 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\FD022825AR\
 Data File : FD049142.D
 Signal(s) : FID2B.ch
 Acq On : 28 Feb 2025 18:56
 Sample : Q1421-02
 Misc :
 ALS Vial : 71 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.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	4.051	4.042	4.074	BV	200	1949	0.02%	0.001%
2	4.097	4.086	4.101	VV	287	1757	0.02%	0.001%
3	4.106	4.101	4.125	VV	245	2635	0.02%	0.001%
4	4.147	4.125	4.159	VV	66954	606704	5.69%	0.288%
5	4.176	4.159	4.249	VV	809194	7172085	67.25%	3.409%
6	4.264	4.249	4.283	VV	2629	44609	0.42%	0.021%
7	4.316	4.283	4.355	VV	4818	102157	0.96%	0.049%
8	4.372	4.355	4.386	VV	3899	44061	0.41%	0.021%
9	4.402	4.386	4.451	VV	5595	77864	0.73%	0.037%
10	4.461	4.451	4.466	VV	476	3666	0.03%	0.002%
11	4.473	4.466	4.479	VV	549	3174	0.03%	0.002%
12	4.489	4.479	4.505	VV	815	9833	0.09%	0.005%
13	4.515	4.505	4.537	VV	940	10614	0.10%	0.005%
14	4.544	4.537	4.550	VV	343	2200	0.02%	0.001%
15	4.554	4.550	4.570	VV	319	3383	0.03%	0.002%
16	4.582	4.570	4.596	VV	709	7747	0.07%	0.004%
17	4.601	4.596	4.629	VV	492	6562	0.06%	0.003%
18	4.632	4.629	4.644	VV	227	1270	0.01%	0.001%
19	4.689	4.644	4.704	PV	686	10067	0.09%	0.005%
20	4.708	4.704	4.724	VV	421	4004	0.04%	0.002%
21	4.769	4.724	4.814	VV	10740	161309	1.51%	0.077%
22	4.828	4.814	4.879	VV	2485	35628	0.33%	0.017%
23	4.884	4.879	4.893	VV	296	1516	0.01%	0.001%
24	4.902	4.893	4.918	VV	372	3335	0.03%	0.002%
25	4.933	4.918	4.947	VV	401	4801	0.05%	0.002%
26	4.966	4.947	5.015	VV	658	12165	0.11%	0.006%
27	5.048	5.015	5.110	VV	1751	54701	0.51%	0.026%
28	5.118	5.110	5.124	VV	639	5121	0.05%	0.002%
29	5.137	5.124	5.159	VV	830	11050	0.10%	0.005%
30	5.178	5.159	5.195	VV	1661	23212	0.22%	0.011%
31	5.211	5.195	5.254	VV	3925	52356	0.49%	0.025%
32	5.270	5.254	5.324	VV	1122	20499	0.19%	0.010%
33	5.337	5.324	5.349	VV	519	6461	0.06%	0.003%
34	5.353	5.349	5.376	VV	487	4742	0.04%	0.002%
35	5.383	5.376	5.392	VV	292	1658	0.02%	0.001%
36	5.416	5.407	5.422	VV	300	1542	0.01%	0.001%

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37	5.459	5.442	5.504	VV	623	9027	0.08%	0.004%
38	5.518	5.504	5.538	PV	410	5182	0.05%	0.002%
39	5.549	5.538	5.559	VV	189	1550	0.01%	0.001%
40	5.565	5.559	5.603	PV	240	3982	0.04%	0.002%
41	5.612	5.603	5.619	VV	211	1351	0.01%	0.001%
42	5.631	5.624	5.642	VV	181	1272	0.01%	0.001%
43	5.693	5.668	5.797	VV	793145	7931134	74.36%	3.770%
44	5.811	5.797	5.854	VV	4295	93483	0.88%	0.044%
45	5.869	5.854	5.909	VV	2478	48819	0.46%	0.023%
46	5.935	5.909	5.989	VV	1373	40532	0.38%	0.019%
47	6.002	5.989	6.017	VV	597	7544	0.07%	0.004%
48	6.023	6.017	6.045	VV	453	5914	0.06%	0.003%
49	6.063	6.045	6.105	VV	735	19006	0.18%	0.009%
50	6.112	6.105	6.117	VV	542	3388	0.03%	0.002%
51	6.140	6.117	6.200	VV	69527	744439	6.98%	0.354%
52	6.221	6.200	6.242	VV	1744	23671	0.22%	0.011%
53	6.261	6.242	6.275	VV	1241	13623	0.13%	0.006%
54	6.291	6.275	6.310	VV	3148	36237	0.34%	0.017%
55	6.322	6.310	6.345	VV	898	11995	0.11%	0.006%
56	6.362	6.345	6.392	VV	1662	18852	0.18%	0.009%
57	6.399	6.392	6.407	VV	246	1640	0.02%	0.001%
58	6.412	6.407	6.436	VV	249	2069	0.02%	0.001%
59	6.471	6.436	6.494	PV	335	6665	0.06%	0.003%
60	6.506	6.494	6.510	VV	295	1869	0.02%	0.001%
61	6.515	6.510	6.539	VV	325	3837	0.04%	0.002%
62	6.577	6.547	6.601	VV	1688	20132	0.19%	0.010%
63	6.631	6.601	6.642	VV	1678	22082	0.21%	0.010%
64	6.658	6.642	6.694	VV	16123	203178	1.91%	0.097%
65	6.702	6.694	6.710	VV	2044	17501	0.16%	0.008%
66	6.739	6.710	6.873	VV	733466	7782063	72.97%	3.699%
67	6.879	6.873	6.886	VV	1511	11215	0.11%	0.005%
68	6.913	6.886	6.957	VV	8088	122141	1.15%	0.058%
69	6.989	6.957	7.010	VV	3353	71321	0.67%	0.034%
70	7.024	7.010	7.030	VV	2196	23196	0.22%	0.011%
71	7.041	7.030	7.052	VV	2222	26499	0.25%	0.013%
72	7.059	7.052	7.081	VV	2270	28270	0.27%	0.013%
73	7.088	7.081	7.094	VV	1071	6659	0.06%	0.003%
74	7.115	7.094	7.132	VV	1781	27765	0.26%	0.013%
75	7.145	7.132	7.170	VV	1979	26742	0.25%	0.013%
76	7.174	7.170	7.180	VV	411	2111	0.02%	0.001%
77	7.185	7.180	7.209	VV	561	6818	0.06%	0.003%
78	7.230	7.209	7.247	VV	1002	14943	0.14%	0.007%
79	7.253	7.247	7.292	VV	587	10829	0.10%	0.005%
80	7.315	7.292	7.327	VV	2494	27722	0.26%	0.013%
81	7.352	7.327	7.477	VV	832219	8468199	79.40%	4.025%
82	7.480	7.477	7.497	VV	1490	15443	0.14%	0.007%
83	7.510	7.497	7.530	VV	1172	19450	0.18%	0.009%
84	7.538	7.530	7.562	VV	805	12286	0.12%	0.006%
85	7.579	7.562	7.604	VV	862	14891	0.14%	0.007%
86	7.623	7.604	7.649	VV	1713	22247	0.21%	0.011%
87	7.656	7.649	7.665	VV	377	2873	0.03%	0.001%
88	7.677	7.665	7.692	VV	562	5658	0.05%	0.003%
89	7.710	7.692	7.737	VV	743	11487	0.11%	0.005%

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90	7.747	7.737	7.770	VV	346	4571	0.04%	0.002%
91	7.775	7.770	7.794	VV	370	2870	0.03%	0.001%
92	7.830	7.794	7.841	PV	493	7795	0.07%	0.004%
93	7.845	7.841	7.849	VV	322	1291	0.01%	0.001%
94	7.853	7.849	7.866	VV	272	2010	0.02%	0.001%
95	7.874	7.866	7.890	VV	319	2466	0.02%	0.001%
96	7.918	7.890	7.966	VV	76664	801713	7.52%	0.381%
97	7.972	7.966	7.978	VV	522	2714	0.03%	0.001%
98	8.005	7.978	8.095	VV	911037	9055813	84.91%	4.304%
99	8.114	8.095	8.133	VV	1822	31019	0.29%	0.015%
100	8.147	8.133	8.173	VV	1454	22842	0.21%	0.011%
101	8.203	8.173	8.272	VV	526994	5494210	51.51%	2.612%
102	8.300	8.272	8.367	VV	953439	9682877	90.79%	4.603%
103	8.375	8.367	8.398	VV	3452	54189	0.51%	0.026%
104	8.409	8.398	8.421	VV	2278	28942	0.27%	0.014%
105	8.426	8.421	8.439	VV	2045	19416	0.18%	0.009%
106	8.458	8.439	8.498	VV	2637	62203	0.58%	0.030%
107	8.514	8.498	8.545	VV	1431	24037	0.23%	0.011%
108	8.569	8.545	8.600	VV	1240	25005	0.23%	0.012%
109	8.635	8.600	8.713	VV	86818	934105	8.76%	0.444%
110	8.746	8.713	8.787	VV	5720	112882	1.06%	0.054%
111	8.820	8.787	8.850	VV	1900	37177	0.35%	0.018%
112	8.870	8.850	8.901	VV	879	12718	0.12%	0.006%
113	8.945	8.901	8.952	VV	570	10933	0.10%	0.005%
114	8.957	8.952	8.962	VV	501	2561	0.02%	0.001%
115	8.977	8.962	8.993	VV	555	6632	0.06%	0.003%
116	9.018	8.993	9.030	PV	873	10350	0.10%	0.005%
117	9.033	9.030	9.052	VV	664	6407	0.06%	0.003%
118	9.079	9.052	9.218	VV	919552	9905080	92.87%	4.708%
119	9.238	9.218	9.257	VV	1598	29835	0.28%	0.014%
120	9.262	9.257	9.274	VV	878	7981	0.07%	0.004%
121	9.314	9.274	9.369	VV	8290	185349	1.74%	0.088%
122	9.385	9.369	9.480	VV	15834	371651	3.48%	0.177%
123	9.506	9.480	9.558	VV	79885	884992	8.30%	0.421%
124	9.592	9.558	9.635	VV	994	34197	0.32%	0.016%
125	9.655	9.635	9.670	VV	484	7859	0.07%	0.004%
126	9.686	9.670	9.714	VV	420	6043	0.06%	0.003%
127	9.762	9.714	9.769	PV	438	4785	0.04%	0.002%
128	9.777	9.769	9.790	VV	456	4352	0.04%	0.002%
129	9.822	9.790	9.843	VV	1018	17425	0.16%	0.008%
130	9.858	9.843	9.867	VV	473	5264	0.05%	0.003%
131	9.882	9.867	9.888	VV	601	6706	0.06%	0.003%
132	9.894	9.888	9.919	VV	854	11228	0.11%	0.005%
133	9.934	9.919	9.957	VV	927	14006	0.13%	0.007%
134	9.967	9.957	9.974	VV	591	4945	0.05%	0.002%
135	9.978	9.974	9.990	VV	561	4749	0.04%	0.002%
136	10.010	9.990	10.042	VV	1696	22351	0.21%	0.011%
137	10.051	10.042	10.057	VV	344	1640	0.02%	0.001%
138	10.101	10.057	10.114	VV	1033	17019	0.16%	0.008%
139	10.131	10.114	10.157	VV	859	14601	0.14%	0.007%
140	10.182	10.157	10.204	VV	920	16808	0.16%	0.008%
141	10.237	10.204	10.248	VV	1208	19381	0.18%	0.009%

					rteres			
142	10.253	10.248	10.271	VV	1291	12598	0.12%	0.006%
143	10.288	10.271	10.297	VV	5325	57446	0.54%	0.027%
144	10.301	10.297	10.344	VV	5071	85103	0.80%	0.040%
145	10.363	10.344	10.394	VV	2702	42527	0.40%	0.020%
146	10.402	10.394	10.415	VV	453	4799	0.04%	0.002%
147	10.468	10.415	10.513	VV	959109	10175341	95.41%	4.837%
148	10.543	10.513	10.650	VV	865227	10276064	96.35%	4.884%
149	10.655	10.650	10.783	VV	5325	192747	1.81%	0.092%
150	10.801	10.783	10.808	VV	960	13324	0.12%	0.006%
151	10.815	10.808	10.840	VV	921	14729	0.14%	0.007%
152	10.846	10.840	10.853	VV	680	4871	0.05%	0.002%
153	10.874	10.853	10.888	VV	1240	21058	0.20%	0.010%
154	10.892	10.888	10.906	VV	1241	12913	0.12%	0.006%
155	10.937	10.906	10.978	VV	80624	916417	8.59%	0.436%
156	10.987	10.978	10.995	VV	935	8441	0.08%	0.004%
157	11.027	10.995	11.055	VV	1374	32725	0.31%	0.016%
158	11.061	11.055	11.082	VV	517	6492	0.06%	0.003%
159	11.084	11.082	11.089	VV	468	1545	0.01%	0.001%
160	11.091	11.089	11.097	VV	452	1825	0.02%	0.001%
161	11.101	11.097	11.105	VV	283	1124	0.01%	0.001%
162	11.122	11.105	11.127	VV	450	3943	0.04%	0.002%
163	11.146	11.127	11.152	VV	468	5580	0.05%	0.003%
164	11.157	11.152	11.202	VV	450	5023	0.05%	0.002%
165	11.234	11.202	11.308	PV	491209	5436431	50.97%	2.584%
166	11.320	11.308	11.335	VV	1361	18120	0.17%	0.009%
167	11.338	11.335	11.363	VV	856	12192	0.11%	0.006%
168	11.375	11.363	11.385	VV	1117	11249	0.11%	0.005%
169	11.407	11.385	11.444	VV	1757	28183	0.26%	0.013%
170	11.461	11.444	11.481	VV	369	5860	0.05%	0.003%
171	11.510	11.481	11.522	VV	1254	22960	0.22%	0.011%
172	11.532	11.522	11.549	VV	1360	17580	0.16%	0.008%
173	11.561	11.549	11.577	VV	1365	19769	0.19%	0.009%
174	11.593	11.577	11.615	VV	1474	25919	0.24%	0.012%
175	11.618	11.615	11.625	VV	818	4558	0.04%	0.002%
176	11.629	11.625	11.635	VV	904	4702	0.04%	0.002%
177	11.662	11.635	11.696	VV	7388	104342	0.98%	0.050%
178	11.702	11.696	11.718	VV	752	7375	0.07%	0.004%
179	11.737	11.718	11.750	VV	887	14523	0.14%	0.007%
180	11.760	11.750	11.775	VV	894	9693	0.09%	0.005%
181	11.815	11.775	11.836	VV	2082	42497	0.40%	0.020%
182	11.857	11.836	11.923	VV	28885	405403	3.80%	0.193%
183	11.932	11.923	11.959	VV	1958	32662	0.31%	0.016%
184	11.976	11.959	11.993	VV	1482	25899	0.24%	0.012%
185	12.015	11.993	12.040	VV	1390	29080	0.27%	0.014%
186	12.103	12.040	12.135	VV	7321	134707	1.26%	0.064%
187	12.144	12.135	12.158	VV	828	9196	0.09%	0.004%
188	12.178	12.158	12.197	VV	2181	30313	0.28%	0.014%
189	12.239	12.197	12.248	VV	79220	875296	8.21%	0.416%
190	12.273	12.248	12.427	VV	912682	10665336	100.00%	5.070%
191	12.436	12.427	12.450	VV	817	9715	0.09%	0.005%
192	12.467	12.450	12.507	VV	7234	99938	0.94%	0.048%
193	12.513	12.507	12.527	VV	893	8905	0.08%	0.004%
194	12.566	12.527	12.630	VV	887669	10352709	97.07%	4.921%

					rteres			
195	12.647	12.630	12.651	VV	8220	86525	0.81%	0.041%
196	12.676	12.651	12.724	VV	97675	1268327	11.89%	0.603%
197	12.726	12.724	12.778	VV	2129	48686	0.46%	0.023%
198	12.783	12.778	12.791	VV	1161	8032	0.08%	0.004%
199	12.801	12.791	12.807	VV	988	8990	0.08%	0.004%
200	12.812	12.807	12.817	VV	948	5699	0.05%	0.003%
201	12.846	12.817	12.887	VV	72685	878950	8.24%	0.418%
202	12.910	12.887	12.944	VV	4655	74190	0.70%	0.035%
203	12.965	12.944	12.972	VV	860	12682	0.12%	0.006%
204	12.989	12.972	13.017	VV	921	20436	0.19%	0.010%
205	13.038	13.017	13.065	VV	1218	27663	0.26%	0.013%
206	13.084	13.065	13.170	VV	9050	195629	1.83%	0.093%
207	13.175	13.170	13.193	VV	1156	13485	0.13%	0.006%
208	13.200	13.193	13.210	VV	910	8136	0.08%	0.004%
209	13.224	13.210	13.229	VV	909	8915	0.08%	0.004%
210	13.235	13.229	13.243	VV	806	6098	0.06%	0.003%
211	13.262	13.243	13.284	VV	975	20576	0.19%	0.010%
212	13.296	13.284	13.324	VV	1002	17856	0.17%	0.008%
213	13.327	13.324	13.349	VV	652	8655	0.08%	0.004%
214	13.384	13.349	13.402	VV	2352	44085	0.41%	0.021%
215	13.428	13.402	13.475	VV	71602	872259	8.18%	0.415%
216	13.479	13.475	13.482	VV	640	2234	0.02%	0.001%
217	13.487	13.482	13.512	VV	631	7759	0.07%	0.004%
218	13.535	13.512	13.544	VV	483	5924	0.06%	0.003%
219	13.548	13.544	13.577	VV	297	4546	0.04%	0.002%
220	13.580	13.577	13.594	VV	195	1378	0.01%	0.001%
221	13.597	13.594	13.617	VV	126	1127	0.01%	0.001%
222	13.621	13.617	13.636	PV	156	1184	0.01%	0.001%
223	13.642	13.636	13.655	VV	295	2314	0.02%	0.001%
224	13.657	13.655	13.667	VV	320	1227	0.01%	0.001%
225	13.688	13.667	13.707	VV	385	6584	0.06%	0.003%
226	13.713	13.707	13.720	VV	375	2065	0.02%	0.001%
227	13.760	13.720	13.776	VV	463	9273	0.09%	0.004%
228	13.788	13.776	13.796	VV	381	2968	0.03%	0.001%
229	13.801	13.796	13.807	VV	365	1749	0.02%	0.001%
230	13.811	13.807	13.815	VV	367	1539	0.01%	0.001%
231	13.826	13.815	13.837	VV	587	6565	0.06%	0.003%
232	13.869	13.837	13.902	VV	1878	36177	0.34%	0.017%
233	13.908	13.902	13.915	VV	485	3250	0.03%	0.002%
234	13.919	13.915	13.934	VV	438	3758	0.04%	0.002%
235	13.940	13.934	14.012	VV	382	17155	0.16%	0.008%
236	14.033	14.012	14.052	VV	432	7333	0.07%	0.003%
237	14.067	14.052	14.078	VV	447	5509	0.05%	0.003%
238	14.085	14.078	14.105	VV	619	7334	0.07%	0.003%
239	14.111	14.105	14.117	VV	559	3365	0.03%	0.002%
240	14.132	14.117	14.137	VV	690	6708	0.06%	0.003%
241	14.156	14.137	14.164	VV	674	8016	0.08%	0.004%
242	14.167	14.164	14.173	VV	406	1856	0.02%	0.001%
243	14.194	14.173	14.214	VV	474	9586	0.09%	0.005%
244	14.222	14.214	14.229	VV	520	3538	0.03%	0.002%
245	14.235	14.229	14.239	VV	416	2379	0.02%	0.001%
246	14.243	14.239	14.262	VV	488	4644	0.04%	0.002%

					rteres			
247	14.287	14.262	14.294	VV	690	8547	0.08%	0.004%
248	14.300	14.294	14.309	VV	727	5752	0.05%	0.003%
249	14.315	14.309	14.321	VV	704	4011	0.04%	0.002%
250	14.326	14.321	14.332	VV	663	3639	0.03%	0.002%
251	14.338	14.332	14.359	VV	805	7951	0.07%	0.004%
252	14.374	14.359	14.379	VV	710	6675	0.06%	0.003%
253	14.382	14.379	14.402	VV	625	6411	0.06%	0.003%
254	14.438	14.402	14.456	VV	807419	9837573	92.24%	4.676%
255	14.480	14.456	14.507	VV	786236	9615926	90.16%	4.571%
256	14.525	14.507	14.674	VV	83192	1533940	14.38%	0.729%
257	14.698	14.674	14.727	VV	1824	47432	0.44%	0.023%
258	14.738	14.727	14.770	VV	1205	24157	0.23%	0.011%
259	14.773	14.770	14.790	VV	780	8300	0.08%	0.004%
260	14.807	14.790	14.817	VV	777	10555	0.10%	0.005%
261	14.834	14.817	14.843	VV	972	10798	0.10%	0.005%
262	14.849	14.843	14.863	VV	677	7364	0.07%	0.004%
263	14.903	14.863	14.970	VV	15235	283632	2.66%	0.135%
264	14.976	14.970	14.982	VV	1372	9086	0.09%	0.004%
265	14.990	14.982	15.016	VV	1529	22470	0.21%	0.011%
266	15.029	15.016	15.035	VV	942	9881	0.09%	0.005%
267	15.060	15.035	15.090	VV	2621	46533	0.44%	0.022%
268	15.105	15.090	15.122	VV	761	10668	0.10%	0.005%
269	15.125	15.122	15.156	VV	516	8200	0.08%	0.004%
270	15.169	15.156	15.175	VV	577	5206	0.05%	0.002%
271	15.178	15.175	15.202	VV	550	7725	0.07%	0.004%
272	15.208	15.202	15.214	VV	633	3812	0.04%	0.002%
273	15.242	15.214	15.257	VV	1191	20756	0.19%	0.010%
274	15.261	15.257	15.288	VV	705	8332	0.08%	0.004%
275	15.293	15.288	15.297	VV	285	1513	0.01%	0.001%
276	15.302	15.297	15.309	VV	502	2774	0.03%	0.001%
277	15.312	15.309	15.320	VV	416	2600	0.02%	0.001%
278	15.345	15.320	15.350	VV	781	10605	0.10%	0.005%
279	15.361	15.350	15.374	VV	760	9347	0.09%	0.004%
280	15.390	15.374	15.408	VV	821	13919	0.13%	0.007%
281	15.422	15.408	15.431	VV	867	10107	0.09%	0.005%
282	15.446	15.431	15.469	VV	885	16564	0.16%	0.008%
283	15.474	15.469	15.482	VV	578	4088	0.04%	0.002%
284	15.503	15.482	15.512	VV	1721	21554	0.20%	0.010%
285	15.542	15.512	15.578	VV	64394	815203	7.64%	0.387%
286	15.583	15.578	15.630	VV	917	17000	0.16%	0.008%
287	15.636	15.630	15.659	VV	238	2610	0.02%	0.001%
288	15.699	15.659	15.732	VV	1871	29386	0.28%	0.014%
289	15.737	15.732	15.742	VV	408	1762	0.02%	0.001%
290	15.749	15.742	15.784	VV	323	5502	0.05%	0.003%
291	15.794	15.784	15.799	VV	327	1956	0.02%	0.001%
292	15.806	15.799	15.834	VV	274	4040	0.04%	0.002%
293	15.854	15.834	15.867	VV	309	4156	0.04%	0.002%
294	15.915	15.878	15.950	PV	1664	34194	0.32%	0.016%
295	15.988	15.950	16.002	VV	733411	9839949	92.26%	4.677%
296	16.023	16.002	16.085	VV	801622	9987928	93.65%	4.748%
297	16.100	16.085	16.175	VV	6478	164447	1.54%	0.078%
298	16.209	16.175	16.220	VV	1580	39604	0.37%	0.019%
299	16.225	16.220	16.248	VV	1650	21318	0.20%	0.010%

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300	16.266	16.248	16.305	VV	2789	48714	0.46%	0.023%
301	16.312	16.305	16.325	VV	797	8447	0.08%	0.004%
302	16.364	16.325	16.457	VV	699804	9463870	88.73%	4.498%
303	16.485	16.457	16.512	VV	65754	958399	8.99%	0.456%
304	16.528	16.512	16.587	VV	10279	190737	1.79%	0.091%
305	16.590	16.587	16.630	VV	1305	23976	0.22%	0.011%
306	16.651	16.630	16.680	VV	986	21212	0.20%	0.010%
307	16.687	16.680	16.699	VV	651	6350	0.06%	0.003%
308	16.704	16.699	16.719	VV	793	7174	0.07%	0.003%
309	16.723	16.719	16.734	VV	417	3260	0.03%	0.002%
310	16.739	16.734	16.750	VV	392	3204	0.03%	0.002%
311	16.795	16.750	16.817	VV	1419	26779	0.25%	0.013%
312	16.822	16.817	16.829	VV	368	2250	0.02%	0.001%
313	16.856	16.829	16.890	VV	1073	24292	0.23%	0.012%
314	16.935	16.890	16.968	VV	2429	46569	0.44%	0.022%
315	16.975	16.968	16.989	VV	494	4292	0.04%	0.002%
316	16.991	16.989	16.998	VV	435	2048	0.02%	0.001%
317	17.025	16.998	17.052	VV	709	14835	0.14%	0.007%
318	17.064	17.052	17.077	VV	564	5942	0.06%	0.003%
319	17.082	17.077	17.135	VV	371	8045	0.08%	0.004%
320	17.175	17.135	17.200	VV	570	14076	0.13%	0.007%
321	17.218	17.200	17.227	VV	497	6399	0.06%	0.003%
322	17.232	17.227	17.237	VV	561	2755	0.03%	0.001%
323	17.257	17.237	17.285	VV	1124	19989	0.19%	0.010%
324	17.298	17.285	17.305	VV	671	6128	0.06%	0.003%
325	17.370	17.305	17.421	VV	57411	810224	7.60%	0.385%
326	17.426	17.421	17.432	VV	378	2214	0.02%	0.001%
327	17.456	17.432	17.486	VV	2731	41462	0.39%	0.020%
328	17.493	17.486	17.508	VV	465	5265	0.05%	0.003%
329	17.517	17.508	17.522	VV	461	3206	0.03%	0.002%
330	17.528	17.522	17.542	VV	408	4093	0.04%	0.002%
331	17.569	17.542	17.594	VV	464	9621	0.09%	0.005%
332	17.620	17.594	17.627	PV	226	3085	0.03%	0.001%
333	17.634	17.627	17.642	VV	131	1265	0.01%	0.001%
334	17.660	17.642	17.677	VV	626	7186	0.07%	0.003%
335	17.734	17.677	17.747	VV	669070	9359859	87.76%	4.449%
336	17.769	17.747	17.944	VV	632255	9475979	88.85%	4.504%
337	17.986	17.944	18.152	VV	628212	9464386	88.74%	4.499%
338	18.195	18.152	18.238	VV	55558	816334	7.65%	0.388%
339	18.241	18.238	18.280	VV	751	9095	0.09%	0.004%
Sum of corrected areas:					210382375			

Aromatic EPH 021125.M Sat Mar 01 04:01:07 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022825AL\
 Data File : FC068334.D
 Signal(s) : FID1A.ch
 Acq On : 28 Feb 2025 18:56
 Operator : YP/AJ
 Sample : Q1421-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 P001-CLAY-CF01-01MS

Integration File: autoint1.e
 Quant Time: Mar 05 05:24:51 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
 Quant Title : GC Extractables
 QLast Update : Wed Mar 05 03:08:52 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...	12.839	3447568	30.652 ug/ml
Spiked Amount 50.000		Recovery =	61.30%
Target Compounds			
1) T n-Nonane (C9)	3.205	3952679	28.098 ug/ml
2) T n-Decane (C10)	4.262	4756204	33.572 ug/ml
4) T n-Dodecane (C12)	6.270	5217892	37.070 ug/ml
6) T n-Tetradecane (C14)	8.059	5826405	42.733 ug/ml
7) T n-Hexadecane (C16)	9.655	6354609	46.396 ug/ml
8) T n-Octadecane (C18)	11.093	6605667	48.302 ug/ml
10) T n-Eicosane (C20)	12.400	6724652	51.614 ug/ml
11) T n-Heneicosane (C21)	13.010	6406807	50.113 ug/ml
13) T n-Docosane (C22)	13.596	6355786	50.432 ug/ml
14) T n-Tetracosane (C24)	14.697	6236779	50.144 ug/ml
15) T n-Hexacosane (C26)	15.715	6107881	50.232 ug/ml
16) T n-Octacosane (C28)	16.664	5953830	50.130 ug/ml
17) T n-Tricontane (C30)	17.551	5974819	49.639 ug/ml
18) T n-Dotriacontane (C32)	18.382	5932634	51.114 ug/ml
19) T n-Tetratriacontane (C34)	19.164	5900054	54.600 ug/ml
20) T n-Hexatriacontane (C36)	19.904	5653625	58.789 ug/ml
21) T n-Octatriacontane (C38)	20.616	5491943	61.091 ug/ml
22) T n-Tetracontane (C40)	21.472	5316432	61.447 ug/ml

(f)=RT Delta > 1/2 Window

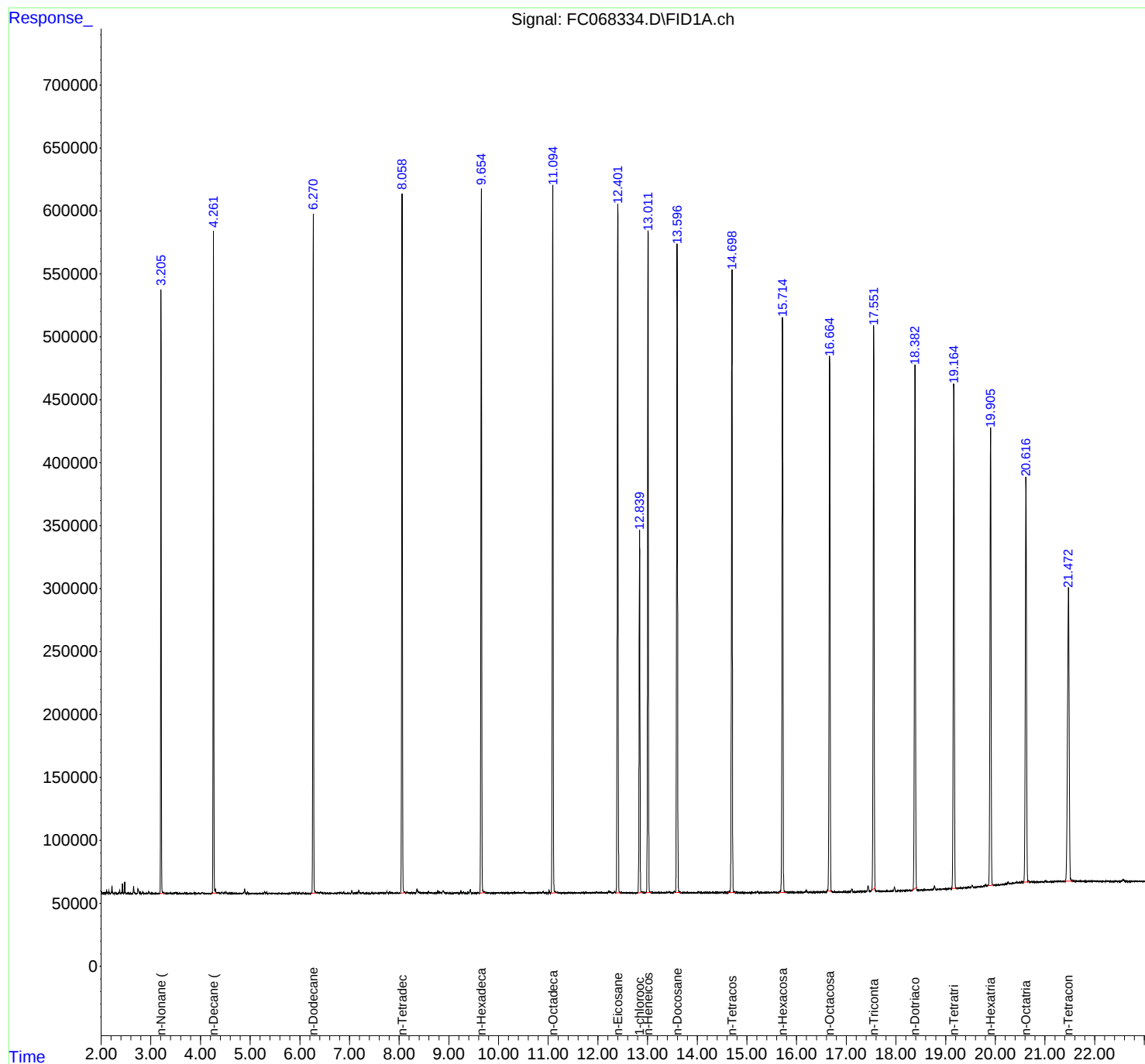
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022825AL\
Data File : FC068334.D
Signal(s) : FID1A.ch
Acq On : 28 Feb 2025 18:56
Operator : YP/AJ
Sample : Q1421-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
P001-CLAY-CF01-01MS

Integration File: autoint1.e
Quant Time: Mar 05 05:24:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Mar 05 03:08:52 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\FC022825AL\
 Data File : FC068334.D
 Signal(s) : FID1A.ch
 Acq On : 28 Feb 2025 18:56
 Sample : Q1421-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.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	2.373	2.304	2.402	BV	2444	20177	0.30%	0.018%
2	2.430	2.402	2.454	PV	7767	67001	0.99%	0.059%
3	2.475	2.454	2.535	VV	9285	76863	1.14%	0.067%
4	2.556	2.535	2.578	VV	360	5078	0.08%	0.004%
5	2.588	2.578	2.626	VV	234	3484	0.05%	0.003%
6	2.654	2.626	2.721	PV	5970	55320	0.82%	0.048%
7	2.743	2.721	2.771	VV	3718	52504	0.78%	0.046%
8	2.786	2.771	2.820	VV	1524	17198	0.25%	0.015%
9	2.839	2.820	2.900	VV	1638	20171	0.30%	0.018%
10	2.917	2.900	2.943	VV	340	4970	0.07%	0.004%
11	2.961	2.943	2.993	VV	1652	15512	0.23%	0.014%
12	3.031	2.993	3.044	VV	298	5350	0.08%	0.005%
13	3.054	3.044	3.071	VV	147	1723	0.03%	0.002%
14	3.095	3.071	3.122	VV	221	3824	0.06%	0.003%
15	3.205	3.122	3.314	VV	476570	3974917	58.90%	3.482%
16	3.324	3.314	3.364	VV	381	7654	0.11%	0.007%
17	3.378	3.364	3.424	VV	331	9181	0.14%	0.008%
18	3.437	3.424	3.454	VV	241	3497	0.05%	0.003%
19	3.501	3.454	3.553	VV	659	21613	0.32%	0.019%
20	3.568	3.553	3.604	VV	260	4949	0.07%	0.004%
21	3.611	3.604	3.655	VV	176	3352	0.05%	0.003%
22	3.692	3.655	3.752	VV	421	11227	0.17%	0.010%
23	3.775	3.752	3.827	VV	350	7232	0.11%	0.006%
24	3.865	3.827	3.878	VV	588	8521	0.13%	0.007%
25	3.893	3.878	3.948	VV	975	13495	0.20%	0.012%
26	3.961	3.948	3.993	VV	284	4929	0.07%	0.004%
27	4.037	3.993	4.145	VV	944	27567	0.41%	0.024%
28	4.178	4.145	4.204	VV	296	6175	0.09%	0.005%
29	4.211	4.204	4.231	VV	230	2907	0.04%	0.003%
30	4.262	4.231	4.289	VV	524353	4734902	70.17%	4.148%
31	4.300	4.289	4.347	VV	3746	50768	0.75%	0.044%
32	4.364	4.347	4.390	VV	730	14752	0.22%	0.013%
33	4.428	4.390	4.448	VV	1240	21435	0.32%	0.019%
34	4.459	4.448	4.467	VV	425	4469	0.07%	0.004%
35	4.483	4.467	4.497	VV	955	11206	0.17%	0.010%
36	4.513	4.497	4.578	VV	1798	24455	0.36%	0.021%

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37	4.630	4.578	4.689	VV	247	12114	0.18%	0.011%
38	4.724	4.689	4.780	VV	273	7087	0.11%	0.006%
39	4.810	4.780	4.844	VV	250	4638	0.07%	0.004%
40	4.890	4.844	4.921	VV	3471	45773	0.68%	0.040%
41	4.946	4.921	4.962	VV	719	8954	0.13%	0.008%
42	4.973	4.962	5.018	VV	275	4329	0.06%	0.004%
43	5.081	5.018	5.101	PV	175	4452	0.07%	0.004%
44	5.115	5.101	5.153	VV	129	3282	0.05%	0.003%
45	5.163	5.153	5.223	VV	189	3688	0.05%	0.003%
46	5.258	5.223	5.269	VV	162	2711	0.04%	0.002%
47	5.292	5.269	5.312	VV	1773	19244	0.29%	0.017%
48	5.332	5.312	5.357	VV	1339	15550	0.23%	0.014%
49	5.387	5.357	5.434	VV	309	5489	0.08%	0.005%
50	5.469	5.434	5.495	VV	356	6323	0.09%	0.006%
51	5.508	5.495	5.529	VV	125	1637	0.02%	0.001%
52	5.539	5.529	5.553	VV	148	1273	0.02%	0.001%
53	5.582	5.553	5.613	VV	280	5783	0.09%	0.005%
54	5.640	5.613	5.684	VV	173	4197	0.06%	0.004%
55	5.692	5.684	5.724	VV	99	1301	0.02%	0.001%
56	5.742	5.724	5.763	PV	204	2404	0.04%	0.002%
57	5.788	5.763	5.813	VV	186	3529	0.05%	0.003%
58	5.838	5.813	5.869	VV	890	16772	0.25%	0.015%
59	5.886	5.869	5.908	VV	542	8475	0.13%	0.007%
60	5.928	5.908	5.971	VV	1047	14951	0.22%	0.013%
61	5.991	5.971	6.029	VV	703	11596	0.17%	0.010%
62	6.064	6.029	6.086	VV	368	7588	0.11%	0.007%
63	6.115	6.086	6.132	VV	274	4178	0.06%	0.004%
64	6.164	6.132	6.228	VV	275	9391	0.14%	0.008%
65	6.270	6.228	6.334	VV	539912	5241953	77.68%	4.592%
66	6.351	6.334	6.374	VV	1068	17052	0.25%	0.015%
67	6.386	6.374	6.398	VV	676	7625	0.11%	0.007%
68	6.417	6.398	6.437	VV	1487	20059	0.30%	0.018%
69	6.450	6.437	6.471	VV	584	8181	0.12%	0.007%
70	6.489	6.471	6.538	VV	752	13429	0.20%	0.012%
71	6.552	6.538	6.568	VV	277	4003	0.06%	0.004%
72	6.587	6.568	6.611	VV	313	5879	0.09%	0.005%
73	6.622	6.611	6.641	VV	243	3682	0.05%	0.003%
74	6.655	6.641	6.684	VV	227	4481	0.07%	0.004%
75	6.708	6.684	6.736	VV	664	9075	0.13%	0.008%
76	6.762	6.736	6.796	VV	830	16423	0.24%	0.014%
77	6.824	6.796	6.854	VV	741	16164	0.24%	0.014%
78	6.887	6.854	6.914	VV	1061	19526	0.29%	0.017%
79	6.925	6.914	6.947	VV	306	4357	0.06%	0.004%
80	6.988	6.947	7.008	VV	329	7764	0.12%	0.007%
81	7.048	7.008	7.095	VV	2381	30341	0.45%	0.027%
82	7.108	7.095	7.138	VV	366	7191	0.11%	0.006%
83	7.155	7.138	7.167	VV	499	5849	0.09%	0.005%
84	7.188	7.167	7.213	VV	2579	30661	0.45%	0.027%
85	7.221	7.213	7.233	VV	260	2957	0.04%	0.003%
86	7.248	7.233	7.266	VV	418	6511	0.10%	0.006%
87	7.279	7.266	7.333	VV	619	10000	0.15%	0.009%
88	7.355	7.333	7.391	VV	242	6015	0.09%	0.005%
89	7.395	7.391	7.414	VV	190	1628	0.02%	0.001%

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90	7.448	7.414	7.478	VV	1037	13385	0.20%	0.012%
91	7.525	7.478	7.574	VV	321	11619	0.17%	0.010%
92	7.611	7.574	7.627	VV	353	8205	0.12%	0.007%
93	7.648	7.627	7.688	VV	402	10387	0.15%	0.009%
94	7.709	7.688	7.734	VV	486	7961	0.12%	0.007%
95	7.753	7.734	7.778	VV	1583	19335	0.29%	0.017%
96	7.809	7.778	7.834	VV	1594	21359	0.32%	0.019%
97	7.846	7.834	7.864	VV	354	4886	0.07%	0.004%
98	7.879	7.864	7.891	VV	423	4829	0.07%	0.004%
99	7.908	7.891	7.934	VV	361	6444	0.10%	0.006%
100	7.962	7.934	8.004	VV	856	13217	0.20%	0.012%
101	8.059	8.004	8.134	VV	554409	5855976	86.78%	5.130%
102	8.154	8.134	8.190	VV	891	22636	0.34%	0.020%
103	8.203	8.190	8.222	VV	574	8596	0.13%	0.008%
104	8.250	8.222	8.269	VV	624	10991	0.16%	0.010%
105	8.287	8.269	8.328	VV	613	10178	0.15%	0.009%
106	8.358	8.328	8.438	VV	3538	79437	1.18%	0.070%
107	8.449	8.438	8.464	VV	483	7244	0.11%	0.006%
108	8.474	8.464	8.488	VV	607	6830	0.10%	0.006%
109	8.516	8.488	8.531	VV	612	13038	0.19%	0.011%
110	8.544	8.531	8.558	VV	691	8906	0.13%	0.008%
111	8.592	8.558	8.631	VV	1119	27569	0.41%	0.024%
112	8.654	8.631	8.687	VV	452	9010	0.13%	0.008%
113	8.707	8.687	8.725	VV	426	6259	0.09%	0.005%
114	8.745	8.725	8.753	VV	313	3931	0.06%	0.003%
115	8.776	8.753	8.796	VV	1501	20657	0.31%	0.018%
116	8.812	8.796	8.825	VV	888	11876	0.18%	0.010%
117	8.833	8.825	8.854	VV	679	10088	0.15%	0.009%
118	8.887	8.854	8.943	VV	2096	46575	0.69%	0.041%
119	8.962	8.943	8.989	VV	596	8314	0.12%	0.007%
120	9.011	8.989	9.037	PV	415	5547	0.08%	0.005%
121	9.131	9.037	9.145	VV	387	13254	0.20%	0.012%
122	9.174	9.145	9.221	VV	781	15428	0.23%	0.014%
123	9.245	9.221	9.273	VV	1372	22829	0.34%	0.020%
124	9.294	9.273	9.322	VV	889	12552	0.19%	0.011%
125	9.334	9.322	9.354	VV	263	3002	0.04%	0.003%
126	9.388	9.354	9.408	VV	903	13561	0.20%	0.012%
127	9.432	9.408	9.473	VV	3048	36278	0.54%	0.032%
128	9.490	9.473	9.508	PV	253	2752	0.04%	0.002%
129	9.522	9.508	9.535	VV	181	2184	0.03%	0.002%
130	9.576	9.535	9.609	VV	648	15373	0.23%	0.013%
131	9.655	9.609	9.766	VV	558718	6394144	94.75%	5.602%
132	9.773	9.766	9.864	VV	389	14407	0.21%	0.013%
133	9.931	9.864	9.948	VV	308	7356	0.11%	0.006%
134	9.969	9.948	9.990	VV	302	6115	0.09%	0.005%
135	10.045	9.990	10.064	VV	472	12862	0.19%	0.011%
136	10.081	10.064	10.102	VV	363	6588	0.10%	0.006%
137	10.129	10.102	10.151	VV	338	6987	0.10%	0.006%
138	10.159	10.151	10.180	VV	290	3147	0.05%	0.003%
139	10.191	10.180	10.197	VV	128	1121	0.02%	0.001%
140	10.205	10.197	10.211	VV	152	1028	0.02%	0.001%
141	10.250	10.211	10.265	VV	389	7571	0.11%	0.007%

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142	10.275	10.265	10.303	VV	376	6423	0.10%	0.006%
143	10.322	10.303	10.348	VV	577	10901	0.16%	0.010%
144	10.391	10.348	10.423	VV	743	18152	0.27%	0.016%
145	10.443	10.423	10.458	VV	366	5798	0.09%	0.005%
146	10.476	10.458	10.488	VV	430	6016	0.09%	0.005%
147	10.515	10.488	10.548	VV	1041	19254	0.29%	0.017%
148	10.604	10.584	10.658	VV	273	7646	0.11%	0.007%
149	10.675	10.658	10.683	VV	257	2854	0.04%	0.003%
150	10.714	10.683	10.741	VV	436	9433	0.14%	0.008%
151	10.761	10.741	10.794	VV	411	9576	0.14%	0.008%
152	10.811	10.794	10.831	VV	557	8515	0.13%	0.007%
153	10.844	10.831	10.862	VV	342	3978	0.06%	0.003%
154	10.894	10.862	10.940	VV	1481	20511	0.30%	0.018%
155	10.947	10.940	10.978	VV	104	1539	0.02%	0.001%
156	11.021	10.978	11.054	VV	1735	24417	0.36%	0.021%
157	11.093	11.054	11.168	VV	565923	6625320	98.18%	5.804%
158	11.182	11.168	11.231	VV	720	14671	0.22%	0.013%
159	11.241	11.231	11.261	VV	192	2557	0.04%	0.002%
160	11.273	11.261	11.288	VV	173	1837	0.03%	0.002%
161	11.318	11.288	11.348	VV	209	5178	0.08%	0.005%
162	11.354	11.348	11.368	VV	85	1004	0.01%	0.001%
163	11.398	11.368	11.435	VV	297	9104	0.13%	0.008%
164	11.450	11.435	11.460	VV	333	3793	0.06%	0.003%
165	11.477	11.460	11.519	VV	415	10036	0.15%	0.009%
166	11.556	11.519	11.602	VV	414	11078	0.16%	0.010%
167	11.609	11.602	11.618	VV	109	953	0.01%	0.001%
168	11.752	11.618	11.781	VV	588	31644	0.47%	0.028%
169	11.800	11.781	11.831	VV	366	7504	0.11%	0.007%
170	11.848	11.831	11.864	VV	282	4549	0.07%	0.004%
171	11.893	11.864	11.938	VV	424	11070	0.16%	0.010%
172	11.973	11.938	12.009	VV	753	21641	0.32%	0.019%
173	12.030	12.009	12.052	VV	621	10594	0.16%	0.009%
174	12.070	12.052	12.085	VV	610	9008	0.13%	0.008%
175	12.093	12.085	12.132	VV	338	6661	0.10%	0.006%
176	12.222	12.132	12.245	VV	1915	41265	0.61%	0.036%
177	12.260	12.245	12.302	VV	961	14054	0.21%	0.012%
178	12.336	12.302	12.359	VV	1377	18443	0.27%	0.016%
179	12.400	12.359	12.498	VV	550415	6748141	100.00%	5.912%
180	12.508	12.498	12.628	VV	306	11917	0.18%	0.010%
181	12.653	12.628	12.664	PV	184	2976	0.04%	0.003%
182	12.672	12.664	12.738	VV	191	5818	0.09%	0.005%
183	12.839	12.738	12.931	VV	286432	3481931	51.60%	3.050%
184	12.953	12.931	12.969	VV	428	8655	0.13%	0.008%
185	13.010	12.969	13.178	VV	526070	6448726	95.56%	5.649%
186	13.208	13.178	13.240	VV	376	10702	0.16%	0.009%
187	13.283	13.240	13.324	VV	471	15893	0.24%	0.014%
188	13.347	13.324	13.364	VV	296	5459	0.08%	0.005%
189	13.384	13.364	13.407	VV	696	11042	0.16%	0.010%
190	13.435	13.407	13.484	VV	1046	21956	0.33%	0.019%
191	13.498	13.484	13.513	VV	276	3937	0.06%	0.003%
192	13.539	13.513	13.556	VV	1419	19411	0.29%	0.017%
193	13.596	13.556	13.688	VV	513366	6381544	94.57%	5.590%
194	13.698	13.688	13.705	VV	257	2361	0.03%	0.002%

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195	13.715	13.705	13.750	VV	301	5196	0.08%	0.005%
196	13.769	13.750	13.791	VV	195	3768	0.06%	0.003%
197	13.806	13.791	13.833	VV	207	4647	0.07%	0.004%
198	13.847	13.833	13.861	VV	198	2753	0.04%	0.002%
199	13.865	13.861	13.908	VV	163	3524	0.05%	0.003%
200	13.930	13.908	13.969	VV	201	4815	0.07%	0.004%
201	13.977	13.969	13.987	VV	121	1041	0.02%	0.001%
202	14.030	13.987	14.108	VV	938	23520	0.35%	0.021%
203	14.119	14.108	14.130	VV	191	1931	0.03%	0.002%
204	14.153	14.130	14.198	VV	516	10405	0.15%	0.009%
205	14.297	14.198	14.368	VV	343	24148	0.36%	0.021%
206	14.397	14.368	14.424	VV	347	8382	0.12%	0.007%
207	14.462	14.424	14.489	VV	351	9124	0.14%	0.008%
208	14.504	14.489	14.521	VV	310	4445	0.07%	0.004%
209	14.545	14.521	14.574	VV	400	7327	0.11%	0.006%
210	14.594	14.574	14.611	VV	242	4170	0.06%	0.004%
211	14.648	14.611	14.657	VV	1188	15313	0.23%	0.013%
212	14.697	14.657	14.824	VV	489965	6246308	92.56%	5.472%
213	14.833	14.824	14.849	VV	140	1753	0.03%	0.002%
214	14.862	14.849	14.922	VV	195	6292	0.09%	0.006%
215	14.930	14.922	14.994	VV	168	4066	0.06%	0.004%
216	15.001	14.994	15.014	VV	75	973	0.01%	0.001%
217	15.024	15.014	15.065	VV	107	2267	0.03%	0.002%
218	15.075	15.065	15.090	VV	130	1445	0.02%	0.001%
219	15.122	15.090	15.136	VV	168	3329	0.05%	0.003%
220	15.212	15.136	15.294	VV	1180	24519	0.36%	0.021%
221	15.354	15.294	15.378	PV	196	5498	0.08%	0.005%
222	15.392	15.378	15.402	VV	164	2044	0.03%	0.002%
223	15.411	15.402	15.468	VV	199	5159	0.08%	0.005%
224	15.567	15.468	15.594	VV	304	13518	0.20%	0.012%
225	15.602	15.594	15.638	VV	178	2874	0.04%	0.003%
226	15.715	15.638	15.874	VV	453709	6127369	90.80%	5.368%
227	15.896	15.874	15.998	VV	161	4903	0.07%	0.004%
228	16.034	15.998	16.058	VV	154	2482	0.04%	0.002%
229	16.065	16.058	16.082	VV	94	878	0.01%	0.001%
230	16.105	16.082	16.141	PV	121	2159	0.03%	0.002%
231	16.159	16.141	16.168	VV	188	1698	0.03%	0.001%
232	16.194	16.168	16.254	VV	1679	25892	0.38%	0.023%
233	16.271	16.254	16.306	VV	270	3955	0.06%	0.003%
234	16.317	16.306	16.331	VV	96	762	0.01%	0.001%
235	16.358	16.331	16.374	VV	229	3509	0.05%	0.003%
236	16.390	16.374	16.434	VV	143	5100	0.08%	0.004%
237	16.442	16.434	16.466	VV	174	2263	0.03%	0.002%
238	16.501	16.466	16.518	VV	188	3685	0.05%	0.003%
239	16.545	16.518	16.598	VV	425	13351	0.20%	0.012%
240	16.664	16.598	16.734	VV	424710	6019424	89.20%	5.273%
241	16.745	16.734	16.788	VV	326	7647	0.11%	0.007%
242	16.795	16.788	16.852	VV	202	4824	0.07%	0.004%
243	16.867	16.852	16.916	VV	103	2253	0.03%	0.002%
244	16.922	16.916	16.927	VV	71	350	0.01%	0.000%
245	16.955	16.927	16.978	VV	290	4629	0.07%	0.004%
246	17.010	16.978	17.028	VV	202	3878	0.06%	0.003%

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247	17.041	17.028	17.068	VV	173	2364	0.04%	0.002%
248	17.111	17.068	17.174	VV	2404	39025	0.58%	0.034%
249	17.336	17.174	17.368	PV	275	20619	0.31%	0.018%
250	17.387	17.368	17.401	VV	272	3524	0.05%	0.003%
251	17.437	17.401	17.475	VV	4691	71943	1.07%	0.063%
252	17.551	17.475	17.619	VV	449116	6077453	90.06%	5.324%
253	17.641	17.619	17.662	VV	447	9996	0.15%	0.009%
254	17.672	17.662	17.714	VV	282	6932	0.10%	0.006%
255	17.731	17.714	17.774	VV	226	3697	0.05%	0.003%
256	17.826	17.774	17.890	PV	320	10337	0.15%	0.009%
257	17.898	17.890	17.906	VV	120	576	0.01%	0.001%
258	17.968	17.906	18.008	PV	3186	48425	0.72%	0.042%
259	18.055	18.008	18.076	VV	133	3080	0.05%	0.003%
260	18.234	18.076	18.250	VV	270	7745	0.11%	0.007%
261	18.266	18.250	18.313	VV	261	4615	0.07%	0.004%
262	18.382	18.313	18.454	PV	413964	6001712	88.94%	5.258%
263	18.507	18.454	18.521	VV	208	5479	0.08%	0.005%
264	18.537	18.521	18.564	VV	182	3281	0.05%	0.003%
265	18.592	18.564	18.604	VV	185	2248	0.03%	0.002%
266	18.633	18.604	18.654	VV	166	3189	0.05%	0.003%
267	18.685	18.654	18.696	VV	99	1632	0.02%	0.001%
268	18.775	18.696	18.808	PV	2910	42936	0.64%	0.038%
269	18.834	18.808	18.874	VV	109	2129	0.03%	0.002%
270	18.961	18.874	18.988	PV	189	6398	0.09%	0.006%
271	19.089	18.988	19.101	VV	250	10181	0.15%	0.009%
272	19.164	19.101	19.253	VV	397589	5928806	87.86%	5.194%
273	19.268	19.253	19.291	VV	393	7503	0.11%	0.007%
274	19.321	19.291	19.364	VV	466	15140	0.22%	0.013%
275	19.471	19.364	19.497	VV	555	31946	0.47%	0.028%
276	19.533	19.497	19.581	VV	1963	43177	0.64%	0.038%
277	19.803	19.581	19.834	VV	1730	120045	1.78%	0.105%
278	19.904	19.834	20.010	VV	361310	5791003	85.82%	5.073%
279	20.021	20.010	20.031	VV	1425	16738	0.25%	0.015%
280	20.255	20.031	20.298	VV	3227	276042	4.09%	0.242%
281	20.431	20.298	20.461	VV	2745	223985	3.32%	0.196%
282	20.475	20.461	20.491	VV	2507	44379	0.66%	0.039%
283	20.616	20.491	20.758	VV	321083	5896031	87.37%	5.165%
284	20.774	20.758	20.812	VV	2369	74617	1.11%	0.065%
285	20.819	20.812	20.828	VV	2218	20610	0.31%	0.018%
286	20.937	20.828	20.968	VV	2225	179546	2.66%	0.157%
287	21.009	20.968	21.049	VV	2645	108714	1.61%	0.095%
288	21.056	21.049	21.072	VV	1873	25754	0.38%	0.023%
289	21.285	21.072	21.298	VV	1863	243309	3.61%	0.213%
290	21.308	21.298	21.320	VV	1825	23251	0.34%	0.020%
291	21.352	21.320	21.361	VV	1736	41635	0.62%	0.036%
292	21.370	21.361	21.381	VV	1619	19867	0.29%	0.017%
293	21.388	21.381	21.395	VV	1626	13279	0.20%	0.012%
294	21.472	21.395	21.628	VV	232470	5539153	82.08%	4.853%
295	21.639	21.628	21.651	VV	1287	17310	0.26%	0.015%
296	21.670	21.651	21.690	VV	1291	28053	0.42%	0.025%
297	21.709	21.690	21.737	VV	1183	31107	0.46%	0.027%
298	21.772	21.737	21.878	VV	1053	77020	1.14%	0.067%
299	21.901	21.878	21.915	VV	749	15281	0.23%	0.013%

					rteres			
300	21.922	21.915	21.931	VV	654	5922	0.09%	0.005%
301	21.973	21.931	22.041	VV	779	39999	0.59%	0.035%
302	22.055	22.041	22.083	VV	455	8809	0.13%	0.008%
303	22.094	22.083	22.104	VV	307	3505	0.05%	0.003%
304	22.113	22.104	22.147	VV	325	5060	0.07%	0.004%
305	22.162	22.147	22.181	VV	91	1266	0.02%	0.001%

Sum of corrected areas: 114150106

Aliphatic EPH 021125.M Sat Mar 01 01:30:47 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022825AL\
 Data File : FC068335.D
 Signal(s) : FID1A.ch
 Acq On : 28 Feb 2025 19:32
 Operator : YP/AJ
 Sample : Q1421-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 P001-CLAY-CF01-01MSD

Integration File: autoint1.e
 Quant Time: Mar 05 05:25:04 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
 Quant Title : GC Extractables
 QLast Update : Wed Mar 05 03:08:52 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...	12.838	3629508	32.270 ug/ml
Spiked Amount 50.000		Recovery =	64.54%
Target Compounds			
1) T n-Nonane (C9)	3.205	3943747	28.034 ug/ml
2) T n-Decane (C10)	4.261	4754624	33.561 ug/ml
4) T n-Dodecane (C12)	6.270	5235120	37.192 ug/ml
6) T n-Tetradecane (C14)	8.059	5850328	42.909 ug/ml
7) T n-Hexadecane (C16)	9.655	6391300	46.664 ug/ml
8) T n-Octadecane (C18)	11.093	6650779	48.632 ug/ml
10) T n-Eicosane (C20)	12.400	6773133	51.986 ug/ml
11) T n-Heneicosane (C21)	13.010	6452700	50.472 ug/ml
13) T n-Docosane (C22)	13.595	6400679	50.788 ug/ml
14) T n-Tetracosane (C24)	14.696	6277459	50.471 ug/ml
15) T n-Hexacosane (C26)	15.715	6147591	50.559 ug/ml
16) T n-Octacosane (C28)	16.664	5996760	50.492 ug/ml
17) T n-Tricontane (C30)	17.551	6013877	49.963 ug/ml
18) T n-Dotriacontane (C32)	18.382	5975842	51.486 ug/ml
19) T n-Tetratriacontane (C34)	19.164	5937717	54.949 ug/ml
20) T n-Hexatriacontane (C36)	19.904	5683975	59.104 ug/ml
21) T n-Octatriacontane (C38)	20.616	5522915	61.436 ug/ml
22) T n-Tetracontane (C40)	21.469	5359281	61.942 ug/ml

(f)=RT Delta > 1/2 Window

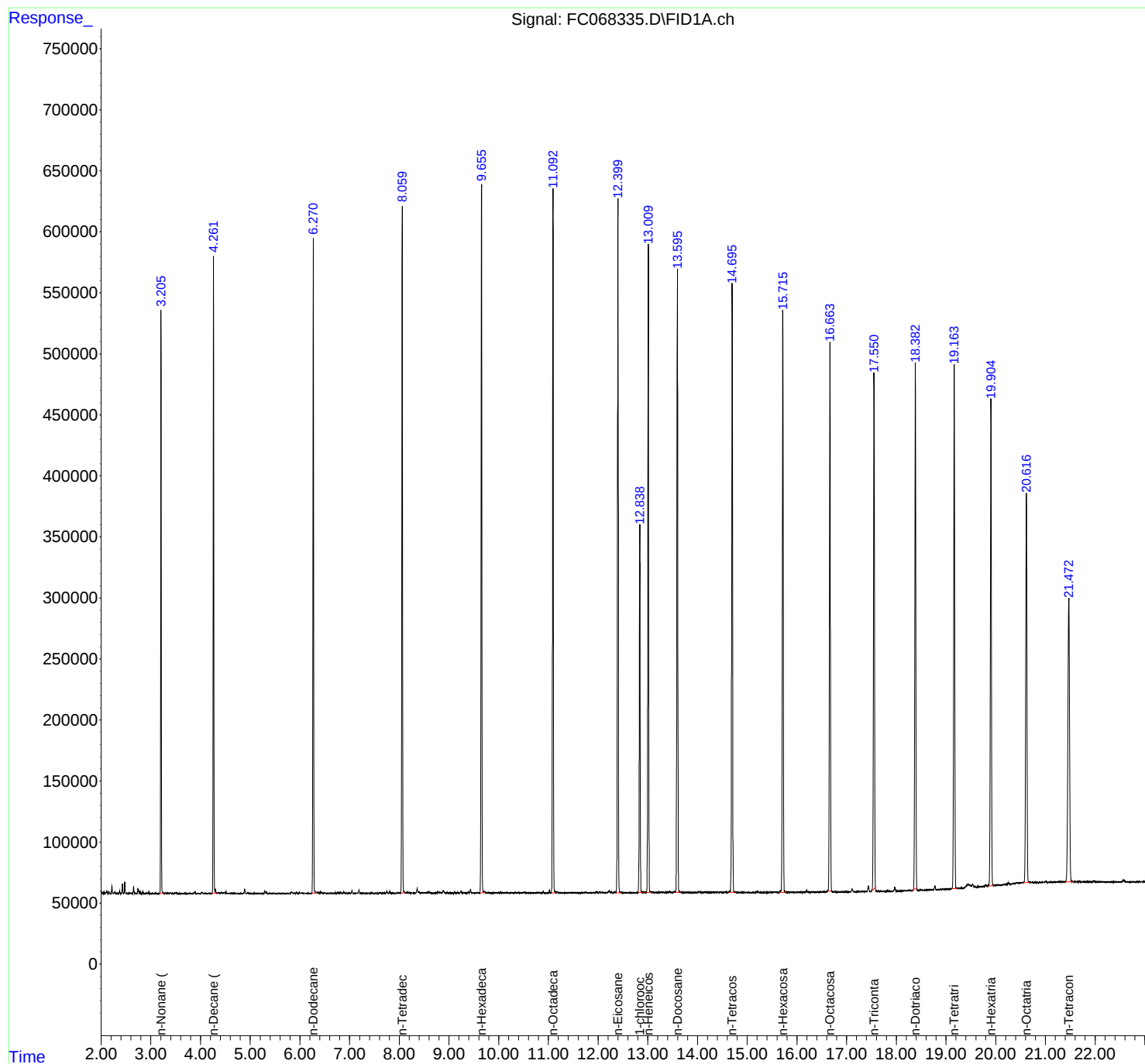
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022825AL\
Data File : FC068335.D
Signal(s) : FID1A.ch
Acq On : 28 Feb 2025 19:32
Operator : YP/AJ
Sample : Q1421-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
P001-CLAY-CF01-01MSD

Integration File: autoint1.e
Quant Time: Mar 05 05:25:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Mar 05 03:08:52 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\FC022825AL\
 Data File : FC068335.D
 Signal(s) : FID1A.ch
 Acq On : 28 Feb 2025 19:32
 Sample : Q1421-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.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	2.373	2.344	2.404	PV	2502	22211	0.33%	0.019%
2	2.429	2.404	2.453	VV	7877	67361	0.99%	0.058%
3	2.475	2.453	2.515	VV	9409	77635	1.14%	0.067%
4	2.525	2.515	2.536	VV	170	1245	0.02%	0.001%
5	2.557	2.536	2.575	PV	406	4865	0.07%	0.004%
6	2.591	2.575	2.624	VV	320	4153	0.06%	0.004%
7	2.653	2.624	2.716	VV	5738	54584	0.80%	0.047%
8	2.742	2.716	2.770	VV	3670	51262	0.75%	0.044%
9	2.786	2.770	2.819	VV	1528	16974	0.25%	0.015%
10	2.838	2.819	2.868	VV	1723	16588	0.24%	0.014%
11	2.917	2.868	2.944	VV	307	7449	0.11%	0.006%
12	2.960	2.944	3.006	VV	1641	15916	0.23%	0.014%
13	3.030	3.006	3.080	VV	276	5287	0.08%	0.005%
14	3.100	3.080	3.144	VV	212	3993	0.06%	0.003%
15	3.205	3.144	3.278	VV	474671	3957131	58.18%	3.433%
16	3.297	3.278	3.311	VV	378	5675	0.08%	0.005%
17	3.325	3.311	3.341	VV	402	5717	0.08%	0.005%
18	3.347	3.341	3.362	VV	269	3064	0.05%	0.003%
19	3.379	3.362	3.390	VV	341	4125	0.06%	0.004%
20	3.400	3.390	3.426	VV	265	4317	0.06%	0.004%
21	3.437	3.426	3.449	VV	243	2333	0.03%	0.002%
22	3.479	3.449	3.486	VV	429	6373	0.09%	0.006%
23	3.500	3.486	3.557	VV	642	13665	0.20%	0.012%
24	3.572	3.557	3.594	VV	260	3022	0.04%	0.003%
25	3.606	3.594	3.624	VV	188	2006	0.03%	0.002%
26	3.631	3.624	3.652	VV	188	1532	0.02%	0.001%
27	3.693	3.652	3.726	VV	330	6919	0.10%	0.006%
28	3.735	3.726	3.753	VV	129	1522	0.02%	0.001%
29	3.773	3.753	3.827	PV	316	5781	0.09%	0.005%
30	3.865	3.827	3.878	VV	528	7061	0.10%	0.006%
31	3.893	3.878	3.944	VV	949	12529	0.18%	0.011%
32	3.958	3.944	3.981	VV	257	2886	0.04%	0.003%
33	4.036	3.981	4.068	VV	924	19293	0.28%	0.017%
34	4.081	4.068	4.124	VV	267	5657	0.08%	0.005%
35	4.128	4.124	4.155	VV	116	1860	0.03%	0.002%
36	4.187	4.155	4.231	VV	184	6637	0.10%	0.006%

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37	4.261	4.231	4.289	VV	520982	4732885	69.59%	4.106%
38	4.300	4.289	4.346	VV	3590	48323	0.71%	0.042%
39	4.362	4.346	4.391	VV	749	14126	0.21%	0.012%
40	4.428	4.391	4.468	VV	1340	26822	0.39%	0.023%
41	4.483	4.468	4.497	VV	1118	12023	0.18%	0.010%
42	4.513	4.497	4.554	VV	1695	21407	0.31%	0.019%
43	4.578	4.554	4.611	VV	238	6809	0.10%	0.006%
44	4.615	4.611	4.621	VV	255	1175	0.02%	0.001%
45	4.633	4.621	4.652	VV	221	3729	0.05%	0.003%
46	4.674	4.652	4.690	VV	235	4007	0.06%	0.003%
47	4.723	4.690	4.761	VV	284	5991	0.09%	0.005%
48	4.810	4.761	4.840	VV	356	5885	0.09%	0.005%
49	4.890	4.840	4.922	VV	3510	46198	0.68%	0.040%
50	4.945	4.922	4.962	VV	661	8349	0.12%	0.007%
51	4.972	4.962	5.054	VV	290	5251	0.08%	0.005%
52	5.078	5.054	5.103	VV	162	2912	0.04%	0.003%
53	5.165	5.103	5.231	VV	223	8730	0.13%	0.008%
54	5.242	5.231	5.249	VV	121	700	0.01%	0.001%
55	5.291	5.249	5.311	VV	1788	20915	0.31%	0.018%
56	5.331	5.311	5.371	VV	1245	16633	0.24%	0.014%
57	5.388	5.371	5.435	VV	278	5352	0.08%	0.005%
58	5.473	5.435	5.499	VV	288	6297	0.09%	0.005%
59	5.535	5.499	5.554	VV	121	2147	0.03%	0.002%
60	5.572	5.554	5.611	PV	295	6050	0.09%	0.005%
61	5.621	5.611	5.647	VV	236	3400	0.05%	0.003%
62	5.660	5.647	5.691	VV	214	3348	0.05%	0.003%
63	5.698	5.691	5.724	VV	131	1437	0.02%	0.001%
64	5.744	5.724	5.778	PV	169	3011	0.04%	0.003%
65	5.793	5.778	5.804	VV	225	2519	0.04%	0.002%
66	5.831	5.804	5.865	VV	1155	23002	0.34%	0.020%
67	5.885	5.865	5.908	VV	585	8183	0.12%	0.007%
68	5.929	5.908	5.962	VV	1083	14937	0.22%	0.013%
69	5.990	5.962	6.033	VV	704	14474	0.21%	0.013%
70	6.060	6.033	6.098	VV	379	9625	0.14%	0.008%
71	6.107	6.098	6.134	VV	182	2833	0.04%	0.002%
72	6.155	6.134	6.172	VV	270	4197	0.06%	0.004%
73	6.190	6.172	6.211	VV	204	3469	0.05%	0.003%
74	6.270	6.211	6.334	VV	535855	5258275	77.32%	4.562%
75	6.351	6.334	6.371	VV	1065	17085	0.25%	0.015%
76	6.386	6.371	6.399	VV	729	9657	0.14%	0.008%
77	6.416	6.399	6.438	VV	1453	18789	0.28%	0.016%
78	6.449	6.438	6.470	VV	588	7170	0.11%	0.006%
79	6.488	6.470	6.571	VV	688	16097	0.24%	0.014%
80	6.585	6.571	6.614	VV	326	5691	0.08%	0.005%
81	6.629	6.614	6.638	VV	240	3112	0.05%	0.003%
82	6.655	6.638	6.688	VV	277	5352	0.08%	0.005%
83	6.709	6.688	6.738	VV	607	8549	0.13%	0.007%
84	6.761	6.738	6.798	VV	813	16805	0.25%	0.015%
85	6.824	6.798	6.848	VV	682	14119	0.21%	0.012%
86	6.887	6.848	6.915	VV	1123	19849	0.29%	0.017%
87	6.925	6.915	6.951	VV	352	4582	0.07%	0.004%
88	6.966	6.951	6.980	VV	305	3964	0.06%	0.003%
89	6.991	6.980	7.020	VV	276	4092	0.06%	0.004%

					rt	retention		
90	7.047	7.020	7.078	VV	2375	26454	0.39%	0.023%
91	7.115	7.078	7.141	VV	367	8903	0.13%	0.008%
92	7.154	7.141	7.166	VV	441	4874	0.07%	0.004%
93	7.189	7.166	7.216	VV	2638	31866	0.47%	0.028%
94	7.224	7.216	7.234	VV	278	2586	0.04%	0.002%
95	7.250	7.234	7.268	VV	453	6250	0.09%	0.005%
96	7.279	7.268	7.317	VV	531	7199	0.11%	0.006%
97	7.348	7.317	7.375	VV	228	4627	0.07%	0.004%
98	7.391	7.375	7.423	PV	165	2087	0.03%	0.002%
99	7.449	7.423	7.484	VV	949	12597	0.19%	0.011%
100	7.547	7.484	7.568	VV	253	7576	0.11%	0.007%
101	7.608	7.568	7.630	VV	363	7775	0.11%	0.007%
102	7.668	7.630	7.691	VV	350	8551	0.13%	0.007%
103	7.708	7.691	7.726	VV	435	5500	0.08%	0.005%
104	7.753	7.726	7.776	VV	1610	19006	0.28%	0.016%
105	7.808	7.776	7.830	VV	1612	19530	0.29%	0.017%
106	7.848	7.830	7.863	VV	276	4150	0.06%	0.004%
107	7.878	7.863	7.897	VV	337	4135	0.06%	0.004%
108	7.911	7.897	7.938	VV	306	3742	0.06%	0.003%
109	7.963	7.938	8.024	VV	838	13975	0.21%	0.012%
110	8.059	8.024	8.133	VV	558311	5876988	86.41%	5.099%
111	8.154	8.133	8.198	VV	875	25997	0.38%	0.023%
112	8.205	8.198	8.226	VV	575	7138	0.10%	0.006%
113	8.248	8.226	8.268	VV	590	9697	0.14%	0.008%
114	8.287	8.268	8.331	VV	538	8809	0.13%	0.008%
115	8.358	8.331	8.448	VV	3666	80620	1.19%	0.070%
116	8.471	8.448	8.490	VV	544	11910	0.18%	0.010%
117	8.511	8.490	8.530	VV	656	12138	0.18%	0.011%
118	8.544	8.530	8.578	VV	589	12179	0.18%	0.011%
119	8.592	8.578	8.632	VV	1154	20881	0.31%	0.018%
120	8.653	8.632	8.688	VV	335	6768	0.10%	0.006%
121	8.708	8.688	8.731	VV	420	6134	0.09%	0.005%
122	8.777	8.731	8.796	VV	1474	23554	0.35%	0.020%
123	8.812	8.796	8.824	VV	922	11440	0.17%	0.010%
124	8.833	8.824	8.855	VV	648	9998	0.15%	0.009%
125	8.888	8.855	8.948	VV	2152	49076	0.72%	0.043%
126	8.963	8.948	8.985	VV	562	7555	0.11%	0.007%
127	9.011	8.985	9.043	VV	513	8303	0.12%	0.007%
128	9.065	9.043	9.077	VV	312	4013	0.06%	0.003%
129	9.122	9.077	9.147	VV	426	13195	0.19%	0.011%
130	9.174	9.147	9.218	VV	831	15325	0.23%	0.013%
131	9.244	9.218	9.274	VV	1474	24426	0.36%	0.021%
132	9.293	9.274	9.328	VV	955	14652	0.22%	0.013%
133	9.336	9.328	9.354	VV	327	3858	0.06%	0.003%
134	9.388	9.354	9.411	VV	880	16117	0.24%	0.014%
135	9.432	9.411	9.472	VV	3042	38078	0.56%	0.033%
136	9.491	9.472	9.531	VV	304	6325	0.09%	0.005%
137	9.542	9.531	9.547	VV	217	1821	0.03%	0.002%
138	9.577	9.547	9.616	VV	637	14876	0.22%	0.013%
139	9.655	9.616	9.809	VV	582924	6443012	94.74%	5.590%
140	9.816	9.809	9.902	VV	371	11880	0.17%	0.010%
141	9.932	9.902	9.945	VV	231	4935	0.07%	0.004%

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142	9.965	9.945	9.991	VV	405	7626	0.11%	0.007%	
143	10.045	9.991	10.064	VV	552	15043	0.22%	0.013%	
144	10.075	10.064	10.104	VV	466	7552	0.11%	0.007%	
145	10.132	10.104	10.194	VV	328	11990	0.18%	0.010%	
146	10.249	10.194	10.267	VV	378	9371	0.14%	0.008%	
147	10.285	10.267	10.301	VV	424	5946	0.09%	0.005%	
148	10.321	10.301	10.351	VV	538	11450	0.17%	0.010%	
149	10.392	10.351	10.425	VV	663	17716	0.26%	0.015%	
150	10.441	10.425	10.458	VV	425	6043	0.09%	0.005%	
151	10.469	10.458	10.488	VV	358	5477	0.08%	0.005%	
152	10.516	10.488	10.545	VV	1026	18038	0.27%	0.016%	
153	10.557	10.545	10.585	VV	286	5213	0.08%	0.005%	
154	10.603	10.585	10.621	VV	252	4261	0.06%	0.004%	
155	10.640	10.621	10.660	VV	196	3528	0.05%	0.003%	
156	10.712	10.660	10.734	VV	336	8930	0.13%	0.008%	
157	10.761	10.734	10.790	VV	365	8910	0.13%	0.008%	
158	10.811	10.790	10.861	VV	589	10956	0.16%	0.010%	
159	10.894	10.861	10.931	VV	1419	18488	0.27%	0.016%	
160	10.967	10.931	10.991	VV	138	2181	0.03%	0.002%	
161	11.021	10.991	11.050	PV	1872	24243	0.36%	0.021%	
162	11.093	11.050	11.170	VV	580810	6671816	98.10%	5.788%	
163	11.182	11.170	11.223	VV	750	13273	0.20%	0.012%	
164	11.244	11.223	11.260	VV	195	3616	0.05%	0.003%	
165	11.285	11.260	11.358	VV	237	8007	0.12%	0.007%	
166	11.404	11.358	11.455	VV	302	12323	0.18%	0.011%	
167	11.478	11.455	11.528	VV	482	11270	0.17%	0.010%	
168	11.549	11.528	11.594	VV	342	9367	0.14%	0.008%	
169	11.610	11.594	11.634	VV	111	2326	0.03%	0.002%	
170	11.751	11.634	11.784	VV	660	27357	0.40%	0.024%	
171	11.798	11.784	11.824	VV	370	5560	0.08%	0.005%	
172	11.846	11.824	11.874	VV	231	5481	0.08%	0.005%	
173	11.894	11.874	11.930	VV	331	9067	0.13%	0.008%	
174	11.971	11.930	12.009	VV	757	21949	0.32%	0.019%	
175	12.029	12.009	12.052	VV	682	11399	0.17%	0.010%	
176	12.070	12.052	12.138	VV	475	15630	0.23%	0.014%	
177	12.221	12.138	12.311	VV	1844	54129	0.80%	0.047%	
178	12.336	12.311	12.357	VV	1213	16281	0.24%	0.014%	
179	12.399	12.357	12.594	VV	561865	6800978	100.00%	5.900%	
180	12.601	12.594	12.624	VV	70	1366	0.02%	0.001%	
181	12.673	12.624	12.704	VV	234	7163	0.11%	0.006%	
182	12.717	12.704	12.735	VV	236	2291	0.03%	0.002%	
183	12.838	12.735	12.931	VV	302568	3667462	53.93%	3.182%	
184	12.948	12.931	12.963	VV	456	7614	0.11%	0.007%	
185	13.010	12.963	13.168	VV	539095	6502462	95.61%	5.641%	
186	13.211	13.168	13.244	VV	404	14956	0.22%	0.013%	
187	13.282	13.244	13.327	VV	521	19259	0.28%	0.017%	
188	13.384	13.327	13.408	VV	779	19983	0.29%	0.017%	
189	13.435	13.408	13.478	VV	1176	24907	0.37%	0.022%	
190	13.539	13.478	13.558	VV	1500	28138	0.41%	0.024%	
191	13.595	13.558	13.764	VV	509448	6446362	94.79%	5.593%	
192	13.837	13.764	13.871	VV	327	15756	0.23%	0.014%	
193	13.884	13.871	13.899	VV	270	3904	0.06%	0.003%	
194	13.918	13.899	13.950	VV	244	6452	0.09%	0.006%	

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195	14.028	13.950	14.128	VV	1094	37948	0.56%	0.033%
196	14.153	14.128	14.184	VV	577	12358	0.18%	0.011%
197	14.211	14.184	14.229	VV	335	6566	0.10%	0.006%
198	14.300	14.229	14.373	VV	432	27150	0.40%	0.024%
199	14.396	14.373	14.437	VV	321	11353	0.17%	0.010%
200	14.464	14.437	14.520	VV	340	14734	0.22%	0.013%
201	14.544	14.520	14.571	VV	389	8453	0.12%	0.007%
202	14.592	14.571	14.616	VV	367	6038	0.09%	0.005%
203	14.696	14.616	14.824	VV	491177	6311101	92.80%	5.475%
204	14.866	14.824	14.924	VV	317	9873	0.15%	0.009%
205	14.950	14.924	14.991	PV	199	5316	0.08%	0.005%
206	15.002	14.991	15.031	VV	154	2035	0.03%	0.002%
207	15.076	15.031	15.088	VV	166	2453	0.04%	0.002%
208	15.114	15.088	15.154	VV	176	4085	0.06%	0.004%
209	15.211	15.154	15.247	VV	1181	20538	0.30%	0.018%
210	15.265	15.247	15.290	VV	172	2829	0.04%	0.002%
211	15.407	15.290	15.448	PV	203	11247	0.17%	0.010%
212	15.570	15.448	15.624	VV	306	18241	0.27%	0.016%
213	15.715	15.624	15.831	VV	475768	6171807	90.75%	5.354%
214	15.851	15.831	15.871	VV	153	3238	0.05%	0.003%
215	15.897	15.871	15.930	VV	187	4366	0.06%	0.004%
216	16.005	15.930	16.038	PV	161	5778	0.08%	0.005%
217	16.078	16.038	16.131	VV	114	4414	0.06%	0.004%
218	16.195	16.131	16.264	VV	1742	30012	0.44%	0.026%
219	16.274	16.264	16.295	VV	170	1928	0.03%	0.002%
220	16.359	16.295	16.393	VV	215	6380	0.09%	0.006%
221	16.406	16.393	16.418	VV	117	1437	0.02%	0.001%
222	16.546	16.418	16.578	PV	376	14792	0.22%	0.013%
223	16.663	16.578	16.731	VV	451399	6063367	89.15%	5.260%
224	16.749	16.731	16.791	VV	317	7273	0.11%	0.006%
225	16.812	16.791	16.884	VV	149	3743	0.06%	0.003%
226	16.953	16.884	16.984	VV	318	6427	0.09%	0.006%
227	16.999	16.984	17.044	VV	168	3051	0.04%	0.003%
228	17.111	17.044	17.171	PV	2514	39934	0.59%	0.035%
229	17.248	17.171	17.278	VV	174	7325	0.11%	0.006%
230	17.337	17.278	17.358	VV	245	8419	0.12%	0.007%
231	17.437	17.358	17.481	VV	4667	75858	1.12%	0.066%
232	17.550	17.481	17.613	VV	420390	6116891	89.94%	5.307%
233	17.640	17.613	17.748	VV	430	21798	0.32%	0.019%
234	17.824	17.748	17.901	VV	400	14951	0.22%	0.013%
235	17.969	17.901	18.011	PV	3519	53311	0.78%	0.046%
236	18.139	18.011	18.186	VV	118	8759	0.13%	0.008%
237	18.274	18.186	18.311	PV	230	10952	0.16%	0.010%
238	18.382	18.311	18.471	VV	425715	6043157	88.86%	5.243%
239	18.509	18.471	18.571	VV	202	7981	0.12%	0.007%
240	18.635	18.571	18.658	VV	182	4735	0.07%	0.004%
241	18.774	18.658	18.818	PV	3017	46839	0.69%	0.041%
242	18.956	18.818	18.987	VV	222	9175	0.13%	0.008%
243	19.164	18.987	19.249	PV	428957	5973219	87.83%	5.182%
244	19.319	19.249	19.344	VV	528	18857	0.28%	0.016%
245	19.451	19.344	19.506	VV	3048	182426	2.68%	0.158%
246	19.533	19.506	19.613	VV	3210	102533	1.51%	0.089%

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247	19.801	19.613	19.831	VV	1981	128535	1.89%	0.112%
248	19.903	19.831	20.003	VV	404559	5825520	85.66%	5.054%
249	20.255	20.003	20.298	VV	3245	305181	4.49%	0.265%
250	20.428	20.298	20.481	VV	2645	253400	3.73%	0.220%
251	20.616	20.481	20.741	VV	321516	5922266	87.08%	5.138%
252	20.765	20.741	20.831	VV	2384	124414	1.83%	0.108%
253	20.855	20.831	20.881	VV	2229	64875	0.95%	0.056%
254	20.932	20.881	20.967	VV	2165	107428	1.58%	0.093%
255	21.011	20.967	21.070	VV	2690	133329	1.96%	0.116%
256	21.293	21.070	21.391	VV	1949	356782	5.25%	0.310%
257	21.469	21.391	21.622	VV	233803	5573920	81.96%	4.836%
258	21.637	21.622	21.662	VV	1272	30341	0.45%	0.026%
259	21.766	21.662	21.834	VV	1126	112158	1.65%	0.097%
260	21.847	21.834	21.888	VV	872	25623	0.38%	0.022%
261	21.983	21.888	22.051	VV	833	65515	0.96%	0.057%
262	22.066	22.051	22.224	VV	471	24734	0.36%	0.021%
Sum of corrected areas:					115264388			

Aliphatic EPH 021125.M Sat Mar 01 01:31:30 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
 Data File : FD049143.D
 Signal(s) : FID2B.ch
 Acq On : 28 Feb 2025 19:32
 Operator : YP/AJ
 Sample : Q1421-03
 Misc :
 ALS Vial : 72 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 P001-CLAY-CF01-01MSD

Integration File: autoint1.e
 Quant Time: Mar 01 02:21:41 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
 Quant Title : GC Extractables
 QLast Update : Wed Feb 12 12:54:29 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...	7.352	8004383	55.932 ug/ml
Spiked Amount 50.000		Recovery =	111.86%
6) S 2-Fluorobiphenyl (SURR)	8.203	5197744	59.124 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	118.25%
11) S ortho-Terphenyl (SURR)	11.234	5182415	32.035 ug/ml
Spiked Amount 50.000		Recovery =	64.07%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.176	6806303	42.739 ug/ml
2) T Naphthalene (C11.7)	5.693	7499718	47.231 ug/ml
3) T 2-Methylnaphthalene (...)	6.739	7389966	47.465 ug/ml
5) T Acenaphthylene (C15.06)	8.005	8610669	52.954 ug/ml
7) T Acenaphthene (C15.5)	8.300	9186896	55.844 ug/ml
8) T Fluorene (C16.55)	9.079	9395749	59.599 ug/ml
9) T Phenanthrene (C19.36)	10.468	9704487	64.396 ug/ml
10) T Anthracene (C19.43)	10.543	9855802	65.258 ug/ml
12) T Fluoranthene (C21.85)	12.273	10149905	65.774 ug/ml
13) T Pyrene (C20.8)	12.566	9846593	63.915 ug/ml
14) T Benzo[a]anthracene (C...	14.437	9400442	71.546 ug/ml
15) T Chrysene (C27.41)	14.479	9200670	56.904 ug/ml
16) T benzo[b]fluoranthene ...	15.987	9332863	67.829 ug/ml
17) T Bnezo[k]fluoranthene ...	16.022	9405347	59.549 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.362	9010214	66.380 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.734	8902747	81.470 ug/ml
20) T Dibenz[a,h]anthracene...	17.767	9038652	58.261 ug/ml
21) T Benzo[g,h,i]perylene ...	17.984	8820594	60.852 ug/ml

(f)=RT Delta > 1/2 Window

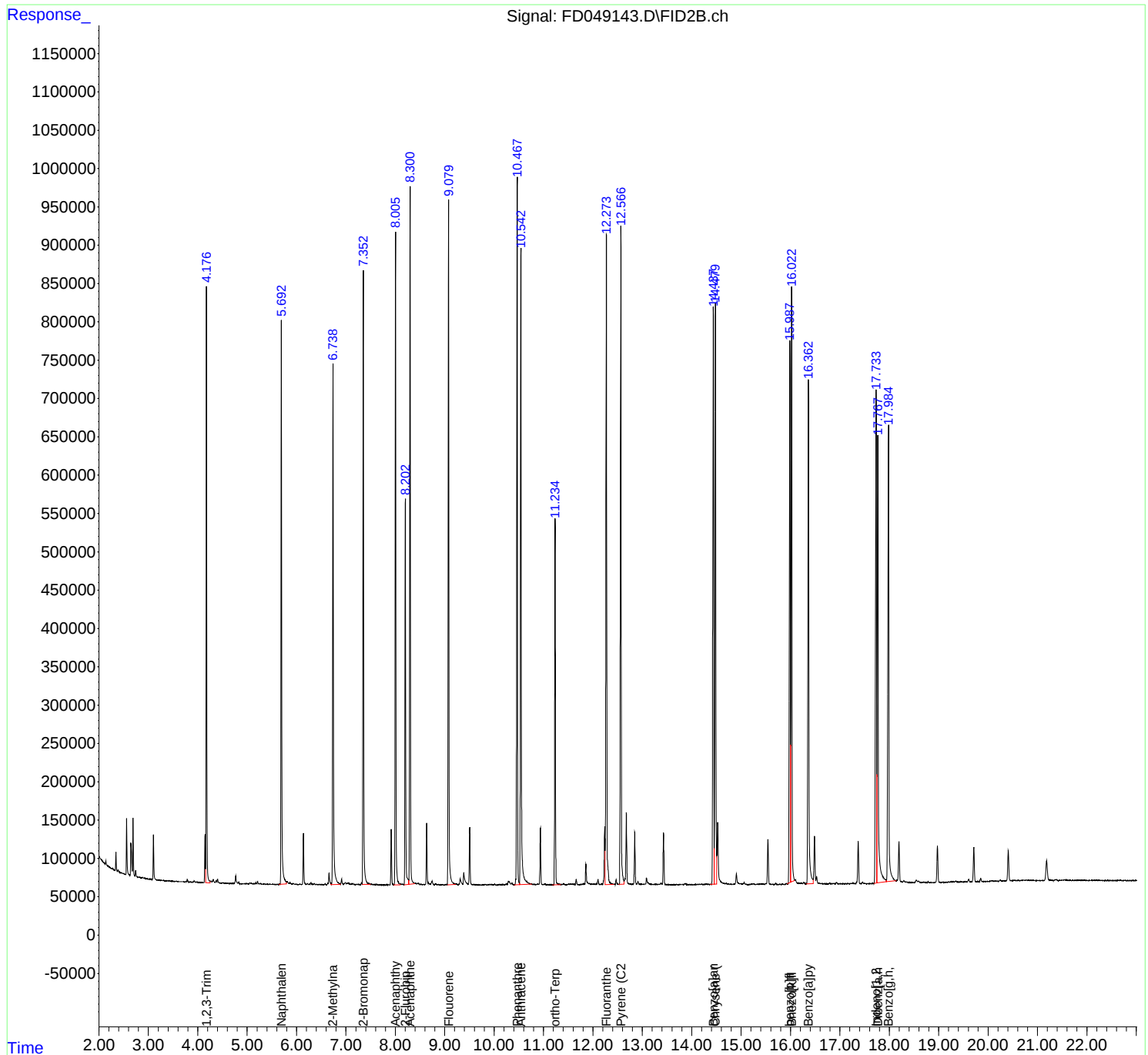
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
Data File : FD049143.D
Signal(s) : FID2B.ch
Acq On : 28 Feb 2025 19:32
Operator : YP/AJ
Sample : Q1421-03
Misc :
ALS Vial : 72 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
P001-CLAY-CF01-01MSD

Integration File: autoint1.e
Quant Time: Mar 01 02:21:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Feb 12 12:54:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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



A
B
C
D
E
F
G
H
I
J

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
 Data File : FD049143.D
 Signal(s) : FID2B.ch
 Acq On : 28 Feb 2025 19:32
 Sample : Q1421-03
 Misc :
 ALS Vial : 72 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.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	4.052	4.042	4.077	BV	152	1824	0.02%	0.001%
2	4.097	4.077	4.123	VV	200	2811	0.03%	0.001%
3	4.147	4.123	4.159	PV	63153	570838	5.59%	0.282%
4	4.176	4.159	4.247	VV	777604	6811089	66.71%	3.366%
5	4.264	4.247	4.283	VV	2518	44255	0.43%	0.022%
6	4.316	4.283	4.354	VV	4700	97915	0.96%	0.048%
7	4.372	4.354	4.387	VV	3581	42915	0.42%	0.021%
8	4.401	4.387	4.469	VV	5387	74932	0.73%	0.037%
9	4.491	4.469	4.498	VV	557	7223	0.07%	0.004%
10	4.514	4.498	4.544	VV	978	14805	0.14%	0.007%
11	4.549	4.544	4.557	VV	330	1801	0.02%	0.001%
12	4.561	4.557	4.570	VV	421	2357	0.02%	0.001%
13	4.583	4.570	4.593	VV	435	3298	0.03%	0.002%
14	4.608	4.593	4.617	VV	342	3178	0.03%	0.002%
15	4.624	4.617	4.642	VV	206	2250	0.02%	0.001%
16	4.648	4.642	4.660	VV	239	1291	0.01%	0.001%
17	4.666	4.660	4.673	PV	202	1068	0.01%	0.001%
18	4.689	4.673	4.709	VV	613	6780	0.07%	0.003%
19	4.714	4.709	4.725	VV	382	2486	0.02%	0.001%
20	4.769	4.725	4.811	VV	10385	149782	1.47%	0.074%
21	4.827	4.811	4.848	VV	2278	26668	0.26%	0.013%
22	4.858	4.848	4.882	VV	430	4562	0.04%	0.002%
23	4.886	4.882	4.891	VV	241	1049	0.01%	0.001%
24	4.898	4.891	4.906	VV	230	1407	0.01%	0.001%
25	4.918	4.906	4.942	VV	220	2878	0.03%	0.001%
26	4.967	4.942	5.002	VV	677	11218	0.11%	0.006%
27	5.005	5.002	5.017	VV	305	1996	0.02%	0.001%
28	5.020	5.017	5.033	VV	386	1872	0.02%	0.001%
29	5.048	5.033	5.114	VV	1629	47163	0.46%	0.023%
30	5.134	5.114	5.151	VV	783	13240	0.13%	0.007%
31	5.177	5.151	5.195	VV	1693	25292	0.25%	0.013%
32	5.211	5.195	5.234	VV	3795	44340	0.43%	0.022%
33	5.236	5.234	5.255	VV	718	8073	0.08%	0.004%
34	5.268	5.255	5.322	VV	1166	20586	0.20%	0.010%
35	5.340	5.322	5.351	VV	618	8137	0.08%	0.004%
36	5.358	5.351	5.380	VV	467	5563	0.05%	0.003%

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37	5.383	5.380	5.406	VV	281	3514	0.03%	0.002%
38	5.411	5.406	5.435	VV	287	3793	0.04%	0.002%
39	5.461	5.444	5.494	VV	641	10403	0.10%	0.005%
40	5.517	5.494	5.550	VV	539	12495	0.12%	0.006%
41	5.556	5.550	5.575	VV	427	4592	0.04%	0.002%
42	5.581	5.575	5.595	VV	324	2879	0.03%	0.001%
43	5.607	5.595	5.618	VV	343	2915	0.03%	0.001%
44	5.641	5.618	5.669	PV	299	5438	0.05%	0.003%
45	5.693	5.669	5.800	VV	734408	7561727	74.06%	3.737%
46	5.810	5.800	5.855	VV	4343	90069	0.88%	0.045%
47	5.872	5.855	5.907	VV	2447	49341	0.48%	0.024%
48	5.938	5.907	5.964	VV	1474	35410	0.35%	0.018%
49	5.973	5.964	5.990	VV	652	7722	0.08%	0.004%
50	5.997	5.990	6.008	VV	560	4300	0.04%	0.002%
51	6.019	6.008	6.023	VV	471	2723	0.03%	0.001%
52	6.028	6.023	6.045	VV	418	4213	0.04%	0.002%
53	6.054	6.045	6.058	VV	468	3046	0.03%	0.002%
54	6.065	6.058	6.070	VV	486	3555	0.03%	0.002%
55	6.072	6.070	6.103	VV	590	9105	0.09%	0.005%
56	6.140	6.103	6.193	VV	67007	710905	6.96%	0.351%
57	6.200	6.193	6.205	VV	605	3527	0.03%	0.002%
58	6.221	6.205	6.243	VV	1759	21706	0.21%	0.011%
59	6.261	6.243	6.274	VV	912	10752	0.11%	0.005%
60	6.291	6.274	6.310	VV	3067	35997	0.35%	0.018%
61	6.324	6.310	6.347	VV	1046	12714	0.12%	0.006%
62	6.362	6.347	6.399	VV	1716	21006	0.21%	0.010%
63	6.404	6.399	6.429	VV	348	4618	0.05%	0.002%
64	6.461	6.429	6.466	VV	514	6657	0.07%	0.003%
65	6.472	6.466	6.491	VV	361	3290	0.03%	0.002%
66	6.502	6.491	6.526	VV	403	5043	0.05%	0.002%
67	6.547	6.536	6.552	VV	237	1204	0.01%	0.001%
68	6.577	6.552	6.612	VV	1315	17042	0.17%	0.008%
69	6.631	6.612	6.641	VV	1693	18622	0.18%	0.009%
70	6.658	6.641	6.692	VV	15464	194307	1.90%	0.096%
71	6.700	6.692	6.711	VV	1758	18601	0.18%	0.009%
72	6.739	6.711	6.851	VV	679171	7383052	72.31%	3.649%
73	6.854	6.851	6.881	VV	2477	33866	0.33%	0.017%
74	6.887	6.881	6.891	VV	1471	8334	0.08%	0.004%
75	6.913	6.891	6.949	VV	7638	108444	1.06%	0.054%
76	6.991	6.949	7.011	VV	3213	74290	0.73%	0.037%
77	7.023	7.011	7.037	VV	2116	29343	0.29%	0.015%
78	7.058	7.037	7.082	VV	2231	44437	0.44%	0.022%
79	7.088	7.082	7.096	VV	906	7281	0.07%	0.004%
80	7.117	7.096	7.129	VV	1542	21709	0.21%	0.011%
81	7.145	7.129	7.174	VV	1799	28489	0.28%	0.014%
82	7.177	7.174	7.190	VV	523	3784	0.04%	0.002%
83	7.197	7.190	7.201	VV	451	2479	0.02%	0.001%
84	7.207	7.201	7.216	VV	518	3999	0.04%	0.002%
85	7.232	7.216	7.250	VV	1040	14345	0.14%	0.007%
86	7.256	7.250	7.269	VV	605	6331	0.06%	0.003%
87	7.272	7.269	7.291	VV	581	4459	0.04%	0.002%
88	7.315	7.291	7.328	VV	2492	28344	0.28%	0.014%
89	7.352	7.328	7.504	VV	801757	8084590	79.18%	3.996%

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90	7.514	7.504	7.539	VV	1114	19282	0.19%	0.010%
91	7.544	7.539	7.565	VV	777	10551	0.10%	0.005%
92	7.578	7.565	7.595	VV	802	10909	0.11%	0.005%
93	7.621	7.595	7.665	VV	1518	23244	0.23%	0.011%
94	7.678	7.665	7.691	VV	391	2936	0.03%	0.001%
95	7.702	7.691	7.737	VV	451	6081	0.06%	0.003%
96	7.750	7.737	7.774	PV	306	2740	0.03%	0.001%
97	7.792	7.785	7.803	PV	215	1206	0.01%	0.001%
98	7.832	7.803	7.851	VV	452	6992	0.07%	0.003%
99	7.859	7.851	7.873	VV	421	3328	0.03%	0.002%
100	7.918	7.873	7.959	VV	72554	765234	7.49%	0.378%
101	7.966	7.959	7.978	VV	423	4020	0.04%	0.002%
102	8.005	7.978	8.100	VV	851882	8632702	84.55%	4.267%
103	8.113	8.100	8.135	VV	1710	25024	0.25%	0.012%
104	8.148	8.135	8.177	VV	1404	20232	0.20%	0.010%
105	8.203	8.177	8.273	VV	503940	5226608	51.19%	2.583%
106	8.300	8.273	8.374	VV	912589	9249942	90.59%	4.572%
107	8.375	8.374	8.398	VV	3521	39746	0.39%	0.020%
108	8.407	8.398	8.440	VV	2046	46801	0.46%	0.023%
109	8.458	8.440	8.492	VV	2464	56965	0.56%	0.028%
110	8.497	8.492	8.504	VV	841	5350	0.05%	0.003%
111	8.516	8.504	8.540	VV	1431	19998	0.20%	0.010%
112	8.564	8.540	8.597	VV	1002	22135	0.22%	0.011%
113	8.636	8.597	8.712	VV	80870	885631	8.67%	0.438%
114	8.745	8.712	8.786	VV	5378	105642	1.03%	0.052%
115	8.819	8.786	8.850	VV	1807	37017	0.36%	0.018%
116	8.871	8.850	8.898	VV	888	13799	0.14%	0.007%
117	8.908	8.898	8.921	VV	423	3912	0.04%	0.002%
118	8.946	8.921	8.957	VV	673	10071	0.10%	0.005%
119	8.961	8.957	8.970	VV	561	3299	0.03%	0.002%
120	8.974	8.970	8.990	VV	413	3165	0.03%	0.002%
121	9.018	8.999	9.026	VV	804	9065	0.09%	0.004%
122	9.032	9.026	9.037	VV	779	4178	0.04%	0.002%
123	9.041	9.037	9.051	VV	778	4913	0.05%	0.002%
124	9.079	9.051	9.222	VV	893730	9456631	92.62%	4.674%
125	9.236	9.222	9.269	VV	1541	31863	0.31%	0.016%
126	9.314	9.269	9.370	VV	8137	183643	1.80%	0.091%
127	9.386	9.370	9.478	VV	15973	356742	3.49%	0.176%
128	9.506	9.478	9.553	VV	75343	848602	8.31%	0.419%
129	9.557	9.553	9.569	VV	789	6282	0.06%	0.003%
130	9.592	9.569	9.641	VV	976	29599	0.29%	0.015%
131	9.649	9.641	9.670	VV	490	4976	0.05%	0.002%
132	9.685	9.670	9.707	VV	401	5380	0.05%	0.003%
133	9.779	9.730	9.796	PV	561	13417	0.13%	0.007%
134	9.822	9.796	9.843	VV	980	16641	0.16%	0.008%
135	9.857	9.843	9.863	VV	375	3626	0.04%	0.002%
136	9.877	9.863	9.885	VV	641	6582	0.06%	0.003%
137	9.900	9.885	9.915	VV	939	12077	0.12%	0.006%
138	9.932	9.915	9.957	VV	973	16847	0.16%	0.008%
139	9.976	9.957	9.989	VV	517	8146	0.08%	0.004%
140	10.010	9.989	10.036	VV	1599	19088	0.19%	0.009%
141	10.049	10.036	10.057	VV	322	3092	0.03%	0.002%

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142	10.060	10.057	10.072	VV	316	2204	0.02%	0.001%
143	10.097	10.072	10.119	VV	870	16240	0.16%	0.008%
144	10.131	10.119	10.158	VV	927	12583	0.12%	0.006%
145	10.173	10.158	10.204	VV	1017	16348	0.16%	0.008%
146	10.241	10.204	10.245	VV	1242	19318	0.19%	0.010%
147	10.250	10.245	10.270	VV	1326	14116	0.14%	0.007%
148	10.288	10.270	10.294	VV	5085	44328	0.43%	0.022%
149	10.301	10.294	10.343	VV	4770	90742	0.89%	0.045%
150	10.362	10.343	10.402	VV	2787	46194	0.45%	0.023%
151	10.468	10.402	10.515	VV	919186	9737893	95.37%	4.813%
152	10.543	10.515	10.649	VV	826412	9821537	96.19%	4.854%
153	10.655	10.649	10.735	VV	5155	158646	1.55%	0.078%
154	10.739	10.735	10.745	VV	1684	9348	0.09%	0.005%
155	10.751	10.745	10.787	VV	1663	31644	0.31%	0.016%
156	10.802	10.787	10.847	VV	1009	26408	0.26%	0.013%
157	10.850	10.847	10.856	VV	666	3532	0.03%	0.002%
158	10.873	10.856	10.886	VV	1434	18259	0.18%	0.009%
159	10.891	10.886	10.900	VV	1164	8827	0.09%	0.004%
160	10.937	10.900	10.976	VV	74543	880787	8.63%	0.435%
161	10.993	10.976	11.007	VV	990	15777	0.15%	0.008%
162	11.028	11.007	11.088	VV	1310	34538	0.34%	0.017%
163	11.093	11.088	11.105	VV	424	2973	0.03%	0.001%
164	11.119	11.105	11.126	VV	366	3726	0.04%	0.002%
165	11.134	11.126	11.140	VV	371	2645	0.03%	0.001%
166	11.152	11.140	11.175	VV	460	6598	0.06%	0.003%
167	11.179	11.175	11.187	VV	226	1405	0.01%	0.001%
168	11.234	11.200	11.309	PV	478016	5197562	50.90%	2.569%
169	11.323	11.309	11.340	VV	1206	18645	0.18%	0.009%
170	11.343	11.340	11.364	VV	803	9899	0.10%	0.005%
171	11.372	11.364	11.378	VV	984	6608	0.06%	0.003%
172	11.407	11.378	11.435	VV	1922	37632	0.37%	0.019%
173	11.443	11.435	11.457	VV	448	4843	0.05%	0.002%
174	11.463	11.457	11.475	VV	340	3115	0.03%	0.002%
175	11.509	11.475	11.513	VV	1111	17109	0.17%	0.008%
176	11.522	11.513	11.552	VV	1204	24381	0.24%	0.012%
177	11.561	11.552	11.576	VV	1182	15808	0.15%	0.008%
178	11.588	11.576	11.616	VV	1425	27110	0.27%	0.013%
179	11.629	11.616	11.635	VV	827	8822	0.09%	0.004%
180	11.661	11.635	11.694	VV	7342	100043	0.98%	0.049%
181	11.705	11.694	11.721	VV	574	7697	0.08%	0.004%
182	11.731	11.721	11.749	VV	827	11893	0.12%	0.006%
183	11.755	11.749	11.779	VV	959	12231	0.12%	0.006%
184	11.816	11.779	11.837	VV	1893	42894	0.42%	0.021%
185	11.857	11.837	11.920	VV	27368	392477	3.84%	0.194%
186	11.932	11.920	11.959	VV	1876	34073	0.33%	0.017%
187	11.974	11.959	11.996	VV	1358	24934	0.24%	0.012%
188	12.009	11.996	12.035	VV	1284	24418	0.24%	0.012%
189	12.037	12.035	12.046	VV	929	4808	0.05%	0.002%
190	12.103	12.046	12.135	VV	7193	127813	1.25%	0.063%
191	12.147	12.135	12.159	VV	773	8543	0.08%	0.004%
192	12.179	12.159	12.196	VV	2052	26567	0.26%	0.013%
193	12.238	12.196	12.248	VV	76301	831869	8.15%	0.411%
194	12.273	12.248	12.417	VV	852748	10210561	100.00%	5.046%

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195	12.419	12.417	12.425	VV	779	3495	0.03%	0.002%
196	12.440	12.425	12.448	VV	855	11371	0.11%	0.006%
197	12.468	12.448	12.515	VV	7122	103350	1.01%	0.051%
198	12.518	12.515	12.532	VV	803	7169	0.07%	0.004%
199	12.566	12.532	12.631	VV	865346	9902740	96.99%	4.894%
200	12.676	12.631	12.730	VV	94615	1298259	12.71%	0.642%
201	12.736	12.730	12.792	VV	1642	42454	0.42%	0.021%
202	12.846	12.792	12.885	VV	69040	849874	8.32%	0.420%
203	12.910	12.885	12.944	VV	4519	73734	0.72%	0.036%
204	12.961	12.944	12.969	VV	927	11854	0.12%	0.006%
205	12.974	12.969	12.977	VV	822	3842	0.04%	0.002%
206	12.989	12.977	13.007	VV	939	13626	0.13%	0.007%
207	13.012	13.007	13.016	VV	695	3494	0.03%	0.002%
208	13.042	13.016	13.062	VV	1107	24265	0.24%	0.012%
209	13.084	13.062	13.154	VV	9048	187617	1.84%	0.093%
210	13.161	13.154	13.168	VV	949	6925	0.07%	0.003%
211	13.176	13.168	13.216	VV	1013	21493	0.21%	0.011%
212	13.224	13.216	13.239	VV	725	8146	0.08%	0.004%
213	13.260	13.239	13.265	VV	918	12031	0.12%	0.006%
214	13.269	13.265	13.284	VV	825	8548	0.08%	0.004%
215	13.291	13.284	13.297	VV	823	5566	0.05%	0.003%
216	13.303	13.297	13.315	VV	782	6736	0.07%	0.003%
217	13.336	13.315	13.348	VV	839	12204	0.12%	0.006%
218	13.383	13.348	13.402	VV	2198	40734	0.40%	0.020%
219	13.429	13.402	13.476	VV	68084	826651	8.10%	0.409%
220	13.484	13.476	13.506	VV	417	6082	0.06%	0.003%
221	13.536	13.506	13.543	VV	467	7707	0.08%	0.004%
222	13.550	13.543	13.560	VV	326	2244	0.02%	0.001%
223	13.574	13.570	13.587	VV	254	1198	0.01%	0.001%
224	13.601	13.593	13.606	VV	227	1141	0.01%	0.001%
225	13.621	13.613	13.645	PV	96	1363	0.01%	0.001%
226	13.662	13.652	13.668	VV	326	1699	0.02%	0.001%
227	13.686	13.675	13.694	VV	308	2352	0.02%	0.001%
228	13.700	13.694	13.712	VV	279	1992	0.02%	0.001%
229	13.722	13.712	13.733	VV	292	2331	0.02%	0.001%
230	13.743	13.733	13.752	VV	196	1655	0.02%	0.001%
231	13.761	13.752	13.765	VV	288	1903	0.02%	0.001%
232	13.771	13.765	13.795	VV	412	4892	0.05%	0.002%
233	13.799	13.795	13.806	VV	293	1486	0.01%	0.001%
234	13.828	13.806	13.835	VV	532	5605	0.05%	0.003%
235	13.868	13.835	13.896	VV	1781	35299	0.35%	0.017%
236	13.900	13.896	13.929	VV	442	6777	0.07%	0.003%
237	13.959	13.929	13.975	PV	374	5501	0.05%	0.003%
238	13.992	13.975	14.012	VV	364	4836	0.05%	0.002%
239	14.024	14.012	14.042	VV	292	3511	0.03%	0.002%
240	14.047	14.042	14.051	VV	222	1088	0.01%	0.001%
241	14.057	14.051	14.068	VV	476	2482	0.02%	0.001%
242	14.092	14.068	14.113	VV	534	9723	0.10%	0.005%
243	14.128	14.113	14.140	VV	723	8637	0.08%	0.004%
244	14.156	14.140	14.167	VV	685	8714	0.09%	0.004%
245	14.171	14.167	14.179	VV	474	3369	0.03%	0.002%
246	14.190	14.179	14.199	VV	635	5945	0.06%	0.003%

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247	14.201	14.199	14.207	VV	547	2494	0.02%	0.001%
248	14.211	14.207	14.234	VV	560	6331	0.06%	0.003%
249	14.246	14.234	14.271	VV	563	8422	0.08%	0.004%
250	14.301	14.271	14.319	VV	725	14645	0.14%	0.007%
251	14.330	14.319	14.358	VV	770	13114	0.13%	0.006%
252	14.371	14.358	14.387	VV	495	7583	0.07%	0.004%
253	14.392	14.387	14.399	VV	464	2475	0.02%	0.001%
254	14.437	14.399	14.455	VV	753429	9421292	92.27%	4.656%
255	14.479	14.455	14.507	VV	755607	9223421	90.33%	4.559%
256	14.525	14.507	14.666	VV	81419	1467633	14.37%	0.725%
257	14.670	14.666	14.676	VV	1500	7995	0.08%	0.004%
258	14.698	14.676	14.735	VV	1845	47661	0.47%	0.024%
259	14.740	14.735	14.764	VV	1034	14225	0.14%	0.007%
260	14.769	14.764	14.789	VV	757	9427	0.09%	0.005%
261	14.798	14.789	14.816	VV	620	8364	0.08%	0.004%
262	14.832	14.816	14.853	VV	783	13629	0.13%	0.007%
263	14.867	14.853	14.871	VV	681	6814	0.07%	0.003%
264	14.903	14.871	14.975	VV	14292	272159	2.67%	0.135%
265	14.981	14.975	15.017	VV	1413	28794	0.28%	0.014%
266	15.060	15.017	15.081	VV	2602	53162	0.52%	0.026%
267	15.087	15.081	15.096	VV	737	5700	0.06%	0.003%
268	15.105	15.096	15.120	VV	716	5931	0.06%	0.003%
269	15.126	15.120	15.137	VV	302	1937	0.02%	0.001%
270	15.147	15.137	15.165	VV	315	3066	0.03%	0.002%
271	15.175	15.165	15.185	VV	413	3612	0.04%	0.002%
272	15.242	15.185	15.260	VV	1271	28512	0.28%	0.014%
273	15.264	15.260	15.274	VV	664	4142	0.04%	0.002%
274	15.275	15.274	15.286	VV	493	2798	0.03%	0.001%
275	15.288	15.286	15.295	VV	401	1705	0.02%	0.001%
276	15.319	15.295	15.327	VV	506	7068	0.07%	0.003%
277	15.338	15.327	15.345	VV	665	5002	0.05%	0.002%
278	15.352	15.345	15.357	VV	639	4055	0.04%	0.002%
279	15.361	15.357	15.368	VV	621	3422	0.03%	0.002%
280	15.388	15.368	15.394	VV	734	9750	0.10%	0.005%
281	15.397	15.394	15.408	VV	869	5906	0.06%	0.003%
282	15.420	15.408	15.467	VV	819	24666	0.24%	0.012%
283	15.504	15.467	15.512	VV	1496	23618	0.23%	0.012%
284	15.542	15.512	15.576	VV	59045	774946	7.59%	0.383%
285	15.584	15.576	15.618	VV	716	13705	0.13%	0.007%
286	15.633	15.618	15.654	VV	450	5322	0.05%	0.003%
287	15.660	15.654	15.678	VV	237	1702	0.02%	0.001%
288	15.699	15.678	15.745	VV	1497	21848	0.21%	0.011%
289	15.747	15.745	15.777	VV	327	3844	0.04%	0.002%
290	15.784	15.777	15.793	VV	436	2429	0.02%	0.001%
291	15.805	15.793	15.813	VV	341	2646	0.03%	0.001%
292	15.827	15.813	15.856	VV	465	7662	0.08%	0.004%
293	15.863	15.856	15.874	VV	241	2324	0.02%	0.001%
294	15.913	15.874	15.949	VV	1507	34267	0.34%	0.017%
295	15.987	15.949	16.001	VV	709435	9405943	92.12%	4.649%
296	16.022	16.001	16.084	VV	779727	9614362	94.16%	4.752%
297	16.099	16.084	16.137	VV	6515	135808	1.33%	0.067%
298	16.141	16.137	16.174	VV	2011	38155	0.37%	0.019%
299	16.180	16.174	16.186	VV	1603	11122	0.11%	0.005%

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300	16.191	16.186	16.205	VV	1655	17622	0.17% 0.009%
301	16.220	16.205	16.248	VV	1716	38866	0.38% 0.019%
302	16.266	16.248	16.299	VV	3050	55816	0.55% 0.028%
303	16.302	16.299	16.314	VV	1126	8630	0.08% 0.004%
304	16.362	16.314	16.458	VV	658504	9102311	89.15% 4.499%
305	16.485	16.458	16.512	VV	63370	924994	9.06% 0.457%
306	16.528	16.512	16.561	VV	10257	168263	1.65% 0.083%
307	16.565	16.561	16.617	VV	2021	51064	0.50% 0.025%
308	16.622	16.617	16.657	VV	1167	23795	0.23% 0.012%
309	16.665	16.657	16.675	VV	845	8655	0.08% 0.004%
310	16.681	16.675	16.683	VV	740	3579	0.04% 0.002%
311	16.697	16.683	16.718	VV	996	17435	0.17% 0.009%
312	16.723	16.718	16.725	VV	769	3414	0.03% 0.002%
313	16.730	16.725	16.737	VV	818	5004	0.05% 0.002%
314	16.739	16.737	16.750	VV	708	4898	0.05% 0.002%
315	16.753	16.750	16.765	VV	781	5759	0.06% 0.003%
316	16.795	16.765	16.828	VV	1794	42802	0.42% 0.021%
317	16.855	16.828	16.900	VV	1463	43524	0.43% 0.022%
318	16.932	16.900	16.997	VV	2508	67778	0.66% 0.033%
319	17.012	16.997	17.044	VV	989	23107	0.23% 0.011%
320	17.049	17.044	17.078	VV	931	16940	0.17% 0.008%
321	17.083	17.078	17.096	VV	843	7437	0.07% 0.004%
322	17.113	17.096	17.125	VV	884	13431	0.13% 0.007%
323	17.144	17.125	17.154	VV	860	13634	0.13% 0.007%
324	17.164	17.154	17.181	VV	1187	15224	0.15% 0.008%
325	17.185	17.181	17.191	VV	902	5378	0.05% 0.003%
326	17.198	17.191	17.207	VV	956	8053	0.08% 0.004%
327	17.234	17.207	17.241	VV	1132	20298	0.20% 0.010%
328	17.256	17.241	17.288	VV	1546	35348	0.35% 0.017%
329	17.293	17.288	17.312	VV	1234	15198	0.15% 0.008%
330	17.370	17.312	17.407	VV	56292	802346	7.86% 0.397%
331	17.414	17.407	17.424	VV	1160	9965	0.10% 0.005%
332	17.457	17.424	17.486	VV	3058	64042	0.63% 0.032%
333	17.497	17.486	17.513	VV	1082	16320	0.16% 0.008%
334	17.519	17.513	17.545	VV	1046	17432	0.17% 0.009%
335	17.572	17.545	17.590	VV	1071	24613	0.24% 0.012%
336	17.618	17.590	17.638	VV	1038	26047	0.26% 0.013%
337	17.663	17.638	17.677	VV	1240	25906	0.25% 0.013%
338	17.734	17.677	17.746	VV	646147	8963404	87.79% 4.430%
339	17.767	17.746	17.943	VV	585316	9337294	91.45% 4.615%
340	17.984	17.943	18.154	VV	596885	9344801	91.52% 4.619%
341	18.195	18.154	18.229	VV	55883	887184	8.69% 0.438%
342	18.236	18.229	18.262	VV	3659	66226	0.65% 0.033%
343	18.297	18.262	18.300	VBA	4578	84196	0.82% 0.042%
Sum of corrected areas:					202333013		

Aromatic EPH 021125.M Sat Mar 01 04:02:09 2025

Manual Integration Report

Sequence:	FC022825AL	Instrument	FID_c
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1447-01	FC068339.D	1-chlorooctadecane (SURR)	yogesh	3/5/2025 7:49:39 AM	Ankita	3/5/2025 9:17:04	Peak Integrated by Software

Manual Integration Report

Sequence:

FD021125AR

Instrument

FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM AROMATIC HC	FD049077.D	Indeno[1,2,3-cd]pyrene (C35.01)	yogesh	2/11/2025 7:39:10 AM	Ankita	2/11/2025 9:13:40	Peak Integrated by Software
20 PPM AROMATIC HC	FD049079.D	Indeno[1,2,3-cd]pyrene (C35.01)	yogesh	2/11/2025 7:39:12 AM	Ankita	2/11/2025 9:13:41	Peak Integrated by Software

Manual Integration Report

Sequence:	FD022825AR	Instrument	FID_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM AROMATIC HC	FD049129.D	Indeno[1,2,3-cd]pyrene (C35.01)	yogesh	3/3/2025 8:01:30 AM	Ankita	3/4/2025 12:54:35	Peak Integrated by Software
Q1421-01D	FD049141.D	2-Fluorobiphenyl (SURR)	yogesh	3/3/2025 8:01:31 AM	Ankita	3/4/2025 12:54:36	Peak Integrated by Software

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC021125AL

Review By	yogesh	Review On	2/10/2025 4:11:01 PM
Supervise By	Ankita	Supervise On	2/11/2025 9:13:33 AM
SubDirectory	FC021125AL	HP Acquire Method	HP Processing Method FC021125AL
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	FC068250.D	10 Feb 2025 15:12	YP/AJ	Ok
2	I.BLK	FC068251.D	10 Feb 2025 15:48	YP/AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FC068252.D	10 Feb 2025 16:24	YP/AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FC068253.D	10 Feb 2025 17:01	YP/AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FC068254.D	10 Feb 2025 17:38	YP/AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FC068255.D	10 Feb 2025 18:14	YP/AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FC068256.D	10 Feb 2025 18:50	YP/AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FC068257.D	10 Feb 2025 19:26	YP/AJ	Ok
9	I.BLK	FC068258.D	10 Feb 2025 20:39	YP/AJ	Ok
10	20 PPM ALIPHATIC HC STD	FC068259.D	10 Feb 2025 21:16	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC022825AL

Review By	yogesh	Review On	2/28/2025 11:41:16 AM
Supervise By	Ankita	Supervise On	3/4/2025 12:54:27 PM
SubDirectory	FC022825AL	HP Acquire Method	HP Processing Method FC021125AL
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	FC068319.D	28 Feb 2025 09:10	YP/AJ	Ok
2	I.BLK	FC068320.D	28 Feb 2025 09:46	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC068321.D	28 Feb 2025 10:23	YP/AJ	Ok
4	PB166923BL	FC068322.D	28 Feb 2025 11:00	YP/AJ	Ok
5	PB166923BS	FC068323.D	28 Feb 2025 11:37	YP/AJ	Ok
6	PB166923BSD	FC068324.D	28 Feb 2025 12:13	YP/AJ	Ok
7	Q1415-01	FC068325.D	28 Feb 2025 12:50	YP/AJ	Ok
8	Q1415-02	FC068326.D	28 Feb 2025 13:26	YP/AJ	Ok
9	Q1415-03	FC068327.D	28 Feb 2025 14:03	YP/AJ	Ok
10	Q1415-04	FC068328.D	28 Feb 2025 14:40	YP/AJ	Ok
11	Q1421-07	FC068329.D	28 Feb 2025 15:16	YP/AJ	Ok
12	I.BLK	FC068330.D	28 Feb 2025 15:53	YP/AJ	Ok
13	20 PPM ALIPHATIC HC STD	FC068331.D	28 Feb 2025 16:30	YP/AJ	Ok
14	Q1421-01	FC068332.D	28 Feb 2025 17:44	YP/AJ	Ok
15	Q1421-01D	FC068333.D	28 Feb 2025 18:20	YP/AJ	Ok
16	Q1421-02	FC068334.D	28 Feb 2025 18:56	YP/AJ	Ok
17	Q1421-03	FC068335.D	28 Feb 2025 19:32	YP/AJ	Ok
18	Q1421-09	FC068336.D	28 Feb 2025 20:09	YP/AJ	Ok
19	Q1422-01	FC068337.D	28 Feb 2025 20:46	YP/AJ	Ok
20	Q1422-02	FC068338.D	28 Feb 2025 21:22	YP/AJ	Ok
21	Q1447-01	FC068339.D	28 Feb 2025 21:59	YP/AJ	Dilution

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC022825AL

Review By	yogesh	Review On	2/28/2025 11:41:16 AM
Supervise By	Ankita	Supervise On	3/4/2025 12:54:27 PM
SubDirectory	FC022825AL	HP Acquire Method	HP Processing Method FC021125AL
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	I.BLK	FC068340.D	28 Feb 2025 23:13	YP/AJ	Ok
23	20 PPM ALIPHATIC HC STD	FC068341.D	28 Feb 2025 23:50	YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD021125AR

Review By	yogesh	Review On	2/10/2025 4:12:05 PM
Supervise By	Ankita	Supervise On	2/11/2025 9:13:44 AM
SubDirectory	FD021125AR	HP Acquire Method	HP Processing Method FD021125AR
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,PP23974		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FD049070.D	10 Feb 2025 12:09	YP/AJ	Ok
2	I.BLK	FD049071.D	10 Feb 2025 12:45	YP/AJ	Ok
3	100 PPM AROMATIC HC STD1	FD049072.D	10 Feb 2025 13:22	YP/AJ	Ok
4	50 PPM AROMATIC HC STD2	FD049073.D	10 Feb 2025 13:58	YP/AJ	Ok
5	20 PPM AROMATIC HC STD3	FD049074.D	10 Feb 2025 14:35	YP/AJ	Ok
6	10 PPM AROMATIC HC STD4	FD049075.D	10 Feb 2025 15:12	YP/AJ	Ok
7	5 PPM AROMATIC HC STD5	FD049076.D	10 Feb 2025 15:48	YP/AJ	Ok
8	20 PPM AROMATIC HC STD ICV	FD049077.D	10 Feb 2025 16:24	YP/AJ	Ok,M
9	I.BLK	FD049078.D	10 Feb 2025 17:01	YP/AJ	Ok
10	20 PPM AROMATIC HC STD	FD049079.D	10 Feb 2025 17:38	YP/AJ	Ok,M

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD022825AR

Review By	yogesh	Review On	2/28/2025 11:42:15 AM
Supervise By	Ankita	Supervise On	3/4/2025 12:54:39 PM
SubDirectory	FD022825AR	HP Acquire Method	HP Processing Method FD021125AR
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	FD049127.D	28 Feb 2025 09:10	YP/AJ	Ok
2	I.BLK	FD049128.D	28 Feb 2025 09:46	YP/AJ	Ok
3	20 PPM AROMATIC HC STD	FD049129.D	28 Feb 2025 10:23	YP/AJ	Ok,M
4	PB166923BL	FD049130.D	28 Feb 2025 11:00	YP/AJ	Ok
5	PB166923BS	FD049131.D	28 Feb 2025 11:37	YP/AJ	Ok
6	PB166923BSD	FD049132.D	28 Feb 2025 12:13	YP/AJ	Ok
7	Q1415-01	FD049133.D	28 Feb 2025 12:50	YP/AJ	Ok
8	Q1415-02	FD049134.D	28 Feb 2025 13:26	YP/AJ	Ok
9	Q1415-03	FD049135.D	28 Feb 2025 14:03	YP/AJ	Ok
10	Q1415-04	FD049136.D	28 Feb 2025 14:40	YP/AJ	Ok
11	Q1421-07	FD049137.D	28 Feb 2025 15:16	YP/AJ	Ok
12	I.BLK	FD049138.D	28 Feb 2025 15:53	YP/AJ	Ok
13	20 PPM AROMATIC HC STD	FD049139.D	28 Feb 2025 16:30	YP/AJ	Ok
14	Q1421-01	FD049140.D	28 Feb 2025 17:44	YP/AJ	Ok
15	Q1421-01D	FD049141.D	28 Feb 2025 18:20	YP/AJ	Ok,M
16	Q1421-02	FD049142.D	28 Feb 2025 18:56	YP/AJ	Ok
17	Q1421-03	FD049143.D	28 Feb 2025 19:32	YP/AJ	Ok
18	Q1421-09	FD049144.D	28 Feb 2025 20:09	YP/AJ	Ok
19	Q1422-01	FD049145.D	28 Feb 2025 20:46	YP/AJ	Ok
20	Q1422-02	FD049146.D	28 Feb 2025 21:22	YP/AJ	Ok
21	Q1447-01	FD049147.D	28 Feb 2025 21:59	YP/AJ	Dilution

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD022825AR

Review By	yogesh	Review On	2/28/2025 11:42:15 AM
Supervise By	Ankita	Supervise On	3/4/2025 12:54:39 PM
SubDirectory	FD022825AR	HP Acquire Method	HP Processing Method FD021125AR
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		

22	I.BLK	FD049148.D	28 Feb 2025 23:13	YP/AJ	Ok
23	20 PPM AROMATIC HC STD	FD049149.D	28 Feb 2025 23:50	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC021125AL

Review By	yogesh	Review On	2/10/2025 4:11:01 PM
Supervise By	Ankita	Supervise On	2/11/2025 9:13:33 AM
SubDirectory	FC021125AL	HP Acquire Method	HP Processing Method FC021125AL
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	FC068250.D	10 Feb 2025 15:12		YP/AJ	Ok
2	I.BLK	I.BLK	FC068251.D	10 Feb 2025 15:48		YP/AJ	Ok
3	100 PPM ALIPHATIC HC	100 PPM ALIPHATIC HC	FC068252.D	10 Feb 2025 16:24		YP/AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FC068253.D	10 Feb 2025 17:01		YP/AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068254.D	10 Feb 2025 17:38		YP/AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FC068255.D	10 Feb 2025 18:14		YP/AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FC068256.D	10 Feb 2025 18:50		YP/AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068257.D	10 Feb 2025 19:26		YP/AJ	Ok
9	I.BLK	I.BLK	FC068258.D	10 Feb 2025 20:39		YP/AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068259.D	10 Feb 2025 21:16		YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC022825AL

Review By	yogesh	Review On	2/28/2025 11:41:16 AM
Supervise By	Ankita	Supervise On	3/4/2025 12:54:27 PM
SubDirectory	FC022825AL	HP Acquire Method	HP Processing Method FC021125AL
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	FC068319.D	28 Feb 2025 09:10		YP/AJ	Ok
2	I.BLK	I.BLK	FC068320.D	28 Feb 2025 09:46		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068321.D	28 Feb 2025 10:23		YP/AJ	Ok
4	PB166923BL	PB166923BL	FC068322.D	28 Feb 2025 11:00		YP/AJ	Ok
5	PB166923BS	PB166923BS	FC068323.D	28 Feb 2025 11:37		YP/AJ	Ok
6	PB166923BSD	PB166923BSD	FC068324.D	28 Feb 2025 12:13		YP/AJ	Ok
7	Q1415-01	B-163-SB01	FC068325.D	28 Feb 2025 12:50		YP/AJ	Ok
8	Q1415-02	B-172-SB01	FC068326.D	28 Feb 2025 13:26		YP/AJ	Ok
9	Q1415-03	B-163-SB02	FC068327.D	28 Feb 2025 14:03		YP/AJ	Ok
10	Q1415-04	B-172-SB02	FC068328.D	28 Feb 2025 14:40		YP/AJ	Ok
11	Q1421-07	P001-CLAY-CF01-02	FC068329.D	28 Feb 2025 15:16		YP/AJ	Ok
12	I.BLK	I.BLK	FC068330.D	28 Feb 2025 15:53		YP/AJ	Ok
13	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068331.D	28 Feb 2025 16:30		YP/AJ	Ok
14	Q1421-01	P001-CLAY-CF01-01	FC068332.D	28 Feb 2025 17:44		YP/AJ	Ok
15	Q1421-01D	Q1421-01D	FC068333.D	28 Feb 2025 18:20		YP/AJ	Ok
16	Q1421-02	P001-CLAY-CF01-01M	FC068334.D	28 Feb 2025 18:56	FC068332.D	YP/AJ	Ok
17	Q1421-03	P001-CLAY-CF01-01M	FC068335.D	28 Feb 2025 19:32	FC068332.D!FC068334.D	YP/AJ	Ok
18	Q1421-09	P001-CLAY-CF02-01	FC068336.D	28 Feb 2025 20:09		YP/AJ	Ok

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC022825AL

Review By	yogesh	Review On	2/28/2025 11:41:16 AM
Supervise By	Ankita	Supervise On	3/4/2025 12:54:27 PM
SubDirectory	FC022825AL	HP Acquire Method	HP Processing Method FC021125AL
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		

19	Q1422-01	B-154-SB01	FC068337.D	28 Feb 2025 20:46		YP/AJ	Ok
20	Q1422-02	B-154-SB02	FC068338.D	28 Feb 2025 21:22		YP/AJ	Ok
21	Q1447-01	WC1	FC068339.D	28 Feb 2025 21:59	need 10x & 100x dilution	YP/AJ	Dilution
22	I.BLK	I.BLK	FC068340.D	28 Feb 2025 23:13		YP/AJ	Ok
23	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068341.D	28 Feb 2025 23:50		YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD021125AR

Review By	yogesh	Review On	2/10/2025 4:12:05 PM
Supervise By	Ankita	Supervise On	2/11/2025 9:13:44 AM
SubDirectory	FD021125AR	HP Acquire Method	HP Processing Method
			FD021125AR
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23968,PP23970,PP23971,PP23972,PP23973		
CCC	PP23971		
Internal Standard/PEM			
ICV/I.BLK	PP23969,PP23974		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD049070.D	10 Feb 2025 12:09		YP/AJ	Ok
2	I.BLK	I.BLK	FD049071.D	10 Feb 2025 12:45		YP/AJ	Ok
3	100 PPM AROMATIC HC	100 PPM AROMATIC HC	FD049072.D	10 Feb 2025 13:22		YP/AJ	Ok
4	50 PPM AROMATIC HC	50 PPM AROMATIC HC	FD049073.D	10 Feb 2025 13:58		YP/AJ	Ok
5	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049074.D	10 Feb 2025 14:35		YP/AJ	Ok
6	10 PPM AROMATIC HC	10 PPM AROMATIC HC	FD049075.D	10 Feb 2025 15:12		YP/AJ	Ok
7	5 PPM AROMATIC HC	5 PPM AROMATIC HC	FD049076.D	10 Feb 2025 15:48		YP/AJ	Ok
8	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049077.D	10 Feb 2025 16:24		YP/AJ	Ok,M
9	I.BLK	I.BLK	FD049078.D	10 Feb 2025 17:01		YP/AJ	Ok
10	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049079.D	10 Feb 2025 17:38		YP/AJ	Ok,M

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD022825AR

Review By	yogesh	Review On	2/28/2025 11:42:15 AM
Supervise By	Ankita	Supervise On	3/4/2025 12:54:39 PM
SubDirectory	FD022825AR	HP Acquire Method	HP Processing Method FD021125AR
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	FD049127.D	28 Feb 2025 09:10		YP/AJ	Ok
2	I.BLK	I.BLK	FD049128.D	28 Feb 2025 09:46		YP/AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049129.D	28 Feb 2025 10:23		YP/AJ	Ok,M
4	PB166923BL	PB166923BL	FD049130.D	28 Feb 2025 11:00		YP/AJ	Ok
5	PB166923BS	PB166923BS	FD049131.D	28 Feb 2025 11:37		YP/AJ	Ok
6	PB166923BSD	PB166923BSD	FD049132.D	28 Feb 2025 12:13		YP/AJ	Ok
7	Q1415-01	B-163-SB01	FD049133.D	28 Feb 2025 12:50		YP/AJ	Ok
8	Q1415-02	B-172-SB01	FD049134.D	28 Feb 2025 13:26		YP/AJ	Ok
9	Q1415-03	B-163-SB02	FD049135.D	28 Feb 2025 14:03		YP/AJ	Ok
10	Q1415-04	B-172-SB02	FD049136.D	28 Feb 2025 14:40		YP/AJ	Ok
11	Q1421-07	P001-CLAY-CF01-02	FD049137.D	28 Feb 2025 15:16		YP/AJ	Ok
12	I.BLK	I.BLK	FD049138.D	28 Feb 2025 15:53		YP/AJ	Ok
13	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049139.D	28 Feb 2025 16:30		YP/AJ	Ok
14	Q1421-01	P001-CLAY-CF01-01	FD049140.D	28 Feb 2025 17:44		YP/AJ	Ok
15	Q1421-01D	Q1421-01D	FD049141.D	28 Feb 2025 18:20		YP/AJ	Ok,M
16	Q1421-02	P001-CLAY-CF01-01M	FD049142.D	28 Feb 2025 18:56	FD049140.D	YP/AJ	Ok
17	Q1421-03	P001-CLAY-CF01-01M	FD049143.D	28 Feb 2025 19:32	FD049140.D!FD049142.D	YP/AJ	Ok
18	Q1421-09	P001-CLAY-CF02-01	FD049144.D	28 Feb 2025 20:09		YP/AJ	Ok

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD022825AR

Review By	yogesh	Review On	2/28/2025 11:42:15 AM
Supervise By	Ankita	Supervise On	3/4/2025 12:54:39 PM
SubDirectory	FD022825AR	HP Acquire Method	HP Processing Method FD021125AR
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		

19	Q1422-01	B-154-SB01	FD049145.D	28 Feb 2025 20:46		YP/AJ	Ok
20	Q1422-02	B-154-SB02	FD049146.D	28 Feb 2025 21:22		YP/AJ	Ok
21	Q1447-01	WC1	FD049147.D	28 Feb 2025 21:59	need 25x dilution	YP/AJ	Dilution
22	I.BLK	I.BLK	FD049148.D	28 Feb 2025 23:13		YP/AJ	Ok
23	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049149.D	28 Feb 2025 23:50		YP/AJ	Ok

M : Manual Integration

A
B
C
D
E
F
G
H
I
J

SOP ID: MNJDEP-EPH-7

Clean Up SOP #: N/A

Matrix: Solid

Weigh By: EH

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date: 02/27/2025

Extraction Start Time: 13:10

Extraction End Date: 02/28/2025

Extraction End Time: 10:45

Concentration By: EH

Supervisor By: RUPESH

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

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	100 PPM	PP24207
Surrogate	1.0ML	100 PPM	PP24119
Fractionation Surrogate	1.0ML	100 PPM	PP24108
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2591
Baked Na2SO4	N/A	EP2590
Sand	N/A	E2865
Hexane	N/A	E3877
Methylene Chloride	N/A	E3878
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

Extraction Conformance/Non-Conformance Comments:

1.5ML Vial Lot # 2210673.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: NEVAP-02

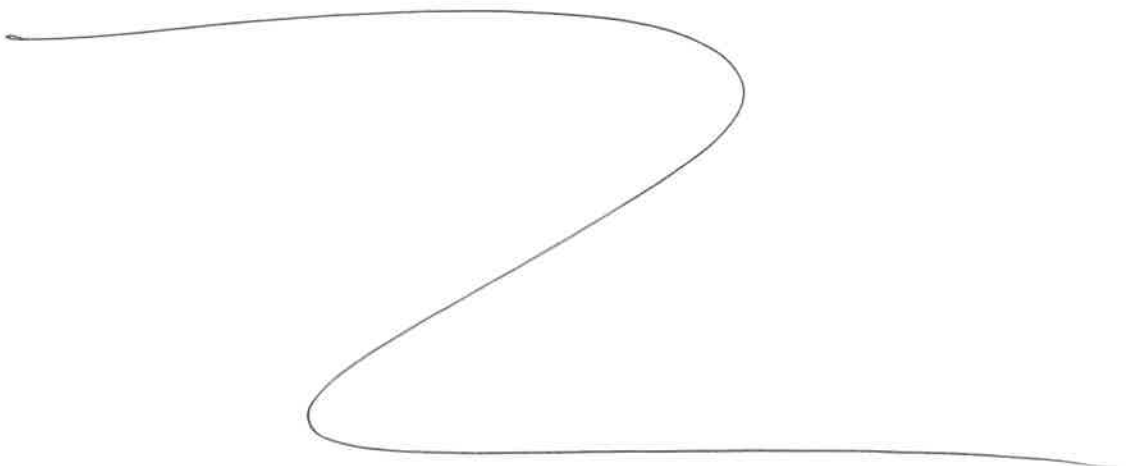
Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
2/28/25	RS (Ext-Lab)	Y.P. Post-PCR
10:50	Preparation Group	Analysis Group

Analytical Method: MNJDEP-EPH-7

Concentration Date: 02/28/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB166923BL	PB166923BL	EPH	30.02	N/A	ritesh	Evelyn	2			U2-1
PB166923BS	PB166923BS	EPH	30.03	N/A	ritesh	Evelyn	2			2
PB166923BSD	PB166923BSD	EPH	30.02	N/A	ritesh	Evelyn	2			3
Q1415-01	B-163-SB01	EPH	30.06	N/A	ritesh	Evelyn	2	E		4
Q1415-02	B-172-SB01	EPH	30.05	N/A	ritesh	Evelyn	2	E		5
Q1415-03	B-163-SB02	EPH	30.03	N/A	ritesh	Evelyn	2	E		6
Q1415-04	B-172-SB02	EPH	30.08	N/A	ritesh	Evelyn	2	E		U6-1
Q1421-01	P001-CLAY-CF01-01	EPH	30.05	N/A	ritesh	Evelyn	2	E		2
Q1421-01DUP	P001-CLAY-CF01-01DUP	EPH	30.04	N/A	ritesh	Evelyn	2	E		3
Q1421-02	Q1421-01MS	EPH	30.07	N/A	ritesh	Evelyn	2	E		4
Q1421-03	Q1421-01MSD	EPH	30.03	N/A	ritesh	Evelyn	2	E		5
Q1421-07	P001-CLAY-CF01-02	EPH	30.06	N/A	ritesh	Evelyn	2	F		6
Q1421-09	P001-CLAY-CF02-01	EPH	30.02	N/A	ritesh	Evelyn	2	E		U3-1
Q1422-01	B-154-SB01	EPH	30.07	N/A	ritesh	Evelyn	2	E		2
Q1422-02	B-154-SB02	EPH	30.05	N/A	ritesh	Evelyn	2	E		3
Q1447-01	WC1	EPH	30.01	N/A	ritesh	Evelyn	2	B		4



RS
2/28

16692-
13:10

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1447

WorkList ID : 187944

Department : Extraction

Date : 02-27-2025 13:05:00

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1415-01	B-163-SB01	Solid	EPH	Cool 4 deg C	PORT06	N31	02/22/2025	NJEPH
Q1415-02	B-172-SB01	Solid	EPH	Cool 4 deg C	PORT06	N31	02/22/2025	NJEPH
Q1415-03	B-163-SB02	Solid	EPH	Cool 4 deg C	PORT06	N31	02/22/2025	NJEPH
Q1415-04	B-172-SB02	Solid	EPH	Cool 4 deg C	PORT06	N31	02/22/2025	NJEPH
Q1421-01	P001-CLAY-CF01-01	Solid	EPH	Cool 4 deg C	ROYF02	H31	02/24/2025	NJEPH
Q1421-02	Q1421-01MS	Solid	EPH	Cool 4 deg C	ROYF02	H31	02/24/2025	NJEPH
Q1421-03	Q1421-01MSD	Solid	EPH	Cool 4 deg C	ROYF02	H31	02/24/2025	NJEPH
Q1421-07	P001-CLAY-CF01-02	Solid	EPH	Cool 4 deg C	ROYF02	H31	02/24/2025	NJEPH
Q1421-09	P001-CLAY-CF02-01	Solid	EPH	Cool 4 deg C	ROYF02	H31	02/24/2025	NJEPH
Q1422-01	B-154-SB01	Solid	EPH	Cool 4 deg C	PORT06	H33	02/23/2025	NJEPH
Q1422-02	B-154-SB02	Solid	EPH	Cool 4 deg C	PORT06	H33	02/23/2025	NJEPH
Q1447-01	WC1	Solid	EPH	Cool 4 deg C	GENV01	H33	02/23/2025	NJEPH

Date/Time 2/27/25 13:05
 Raw Sample Received by: RJ (EX-66)
 Raw Sample Relinquished by: CP SM

Date/Time 2/27/25 13:30
 Raw Sample Received by: CP SM
 Raw Sample Relinquished by: RJ (EX-66)

LAB CHRONICLE

OrderID:	Q1422	OrderDate:	2/25/2025 10:47:00 AM
Client:	Portal Partners Tri-Venture	Project:	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	Location:	H33,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1422-01	B-154-SB01	Solid			02/23/25			02/25/25
			EPH	NJEPH		02/27/25	02/28/25	
			PCB	8082A		02/26/25	02/26/25	
Q1422-02	B-154-SB02	Solid			02/23/25			02/25/25
			EPH	NJEPH		02/27/25	02/28/25	
			PCB	8082A		02/26/25	02/26/25	