



SAMPLE DATA

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/01/24
Project:	Perth Amboy	Date Received:	10/01/24
Client Sample ID:	Chamberlain Ave	SDG No.:	P4258
Lab Sample ID:	P4258-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
10/11/24 08:00	10/12/24 0:35	PB164054

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	1.16	mg/kg	FC067415.D
Aliphatic C12-C16	Aliphatic C12-C16	0.28	U	1	0.28	0.77	mg/kg	FC067415.D
Aliphatic C16-C21	Aliphatic C16-C21	0.35	U	1	0.35	1.16	mg/kg	FC067415.D
Aliphatic C21-C28	Aliphatic C21-C28	0.93	U	1	0.93	1.55	mg/kg	FC067415.D
Aliphatic C28-C40	Aliphatic C28-C40	2.09	U	1	2.09	2.32	mg/kg	FC067415.D
Aromatic C10-C12	Aromatic C10-C12	0.35	U	1	0.35	0.77	mg/kg	FD048467.D
Aromatic C12-C16	Aromatic C12-C16	0.40	U	1	0.40	1.16	mg/kg	FD048467.D
Aromatic C16-C21	Aromatic C16-C21	1.11	U	1	1.11	1.94	mg/kg	FD048467.D
Aromatic C21-C36	Aromatic C21-C36	2.32	U	1	2.32	3.10	mg/kg	FD048467.D
Total AliphaticEPH	Total AliphaticEPH	4.09	U		4.09	6.96	mg/kg	
Total AromaticEPH	Total AromaticEPH	4.17	U		4.17	6.97	mg/kg	
Total EPH	Total EPH	8.26	U		8.26	13.9	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:	Roman E&G Corp	Date Collected:	10/01/24
Project:	Perth Amboy	Date Received:	10/01/24
Client Sample ID:	Chamberlain Ave	SDG No.:	P4258
Lab Sample ID:	P4258-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067415.D	1	10/11/24	10/12/24	PB164054

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.44	U	0.44	1.16	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.28	U	0.28	0.77	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.35	U	0.35	1.16	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.93	U	0.93	1.55	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.09	U	2.09	2.32	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.6		40 - 140	79%	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:	P4258-03	Acq On:	12 Oct 2024 00:35
Client Sample ID:	Chamberlain Ave	Operator:	YP/AJ
Data file:	FC067415.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	3.175	6.457	56543	0.441	300	ug/ml
Aliphatic C12-C16	6.458	9.848	192435	1.469	200	ug/ml
Aliphatic C16-C21	9.849	13.207	0	0	300	ug/ml
Aliphatic C21-C28	13.208	16.862	155045	1.223	400	ug/ml
Aliphatic C28-C40	16.863	21.712	702470	6.676	600	ug/ml
Aliphatic EPH	3.175	21.712	1106493	9.809		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.942	12.942	4479449	39.57		ug/ml
Aliphatic C9-C28	3.175	16.862	404023	3.133	1200	ug/ml

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/01/24
Project:	Perth Amboy	Date Received:	10/01/24
Client Sample ID:	Chamberlain Ave	SDG No.:	P4258
Lab Sample ID:	P4258-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048467.D	1	10/11/24	10/12/24	PB164054

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.35	U	0.35	0.77	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.40	U	0.40	1.16	mg/kg
Aromatic C16-C21	Aromatic C16-C21	1.11	U	1.11	1.94	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.32	U	2.32	3.10	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	50.6		40 - 140	101%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	51.2		40 - 140	102%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.6		40 - 140	65%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4258-03	Acq On:	12 Oct 2024 01:12
Client Sample ID:	Chamberlain Ave	Operator:	YP/AJ
Data file:	FD048467.D	Misc:	
Instrument:	FID_D	ALS Vial:	67
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.100	5.818	0	0	200	ug/ml
Aromatic C12-C16	5.819	8.425	0	0	300	ug/ml
Aromatic C16-C21	8.426	12.687	1082056	6.054	500	ug/ml
Aromatic C21-C36	12.688	18.089	1847690	11.174	800	ug/ml
Aromatic EPH	4.100	18.089	2929746	17.228		ug/ml
2-Bromonaphthalene (SURRE)	7.379	7.379	8372339	50.57		ug/ml
2-Fluorobiphenyl (SURRE)	8.229	8.229	5312726	51.23		ug/ml
ortho-Terphenyl (SURRE)	11.264	11.264	6002682	32.62		ug/ml



QC SUMMARY

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: ROMA02
Lab Code: CHEM CASE No.: P4258 SAS No.: P4258 SDG No.: P4258
Run Number: FC101124AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
Chamberlain Ave	79			0
Chamberlain AveMS	50			0
Chamberlain AveMSD	52			0
PB164054BL	74			0
PB164054BS	82			0
PB164054BSD	78			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: ROMA02
Lab Code: CHEM CASE No.: P4258 SAS No.: P4258 SDG No.: P4258
Run Number: FD101124AR

Client SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
Chamberlain Ave	101	102	65	0
Chamberlain AveMS	111	117	66	0
Chamberlain AveMSD	109	115	65	0
PB164054BL	114	120	93	0
PB164054BS	103	100	83	0
PB164054BSD	101	98	81	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



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SOIL EPH SURROGATE RECOVERY

- A
- B
- C
- D
- E
- F
- G
- H
- I
- J

QC LIMITS

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

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

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Roman E&G Corp
Lab Code: CHEM **Cas No:** P4258 **SAS No :** P4258 **SDG No:** P4258
Sample No : P4258-03MS **Datafile:** FC067417.D
Client ID : Chamberlain AveMS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C9-C12	11.6	0	6.78	58		(40-140)
Aliphatic C12-C16	7.7	0	5.58	72		(40-140)
Aliphatic C16-C21	11.6	0	8.85	76		(40-140)
Aliphatic C21-C28	15.5	0	11.8	76		(40-140)
Aliphatic C28-C40	23.2	0	21.0	90		(40-140)

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Roman E&G Corp
Lab Code: CHEM **Cas No:** P4258 **SAS No :** P4258 **SDG No:** P4258
Sample No : P4258-03MSD **Datafile:** FC067418.D
Client ID : Chamberlain AveMSD

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS QC Limit Of RPD
Aliphatic C9-C12	11.6	0	6.83	59		0.85 (40-140) 25
Aliphatic C12-C16	7.7	0	5.58	72		0.14 (40-140) 25
Aliphatic C16-C21	11.6	0	8.90	77		0.65 (40-140) 25
Aliphatic C21-C28	15.5	0	11.9	77		0.91 (40-140) 25
Aliphatic C28-C40	23.2	0	21.0	91		0.11 (40-140) 25

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Roman E&G Corp
Lab Code: CHEM **Cas No:** P4258 **SAS No :** P4258 **SDG No:** P4258
Sample No : P4258-03MS **Datafile:** FD048469.D
Client ID : Chamberlain AveMS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aromatic C10-C12	7.7	0	6.55	85		(40-140)
Aromatic C12-C16	11.6	0	10.6	91		(40-140)
Aromatic C16-C21	19.3	0	20.9	108		(40-140)
Aromatic C21-C36	30.9	0	33.6	108		(40-140)

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Roman E&G Corp

Lab Code: CHEM **Cas No:** P4258 **SAS No :** P4258 **SDG No:** P4258

Sample No : P4258-03MSD **Datafile:** FD048470.D

Client ID : Chamberlain AveMSD

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS QC Limit Of RPD
Aromatic C10-C12	7.7	0	6.05	78		7.85 (40-140) 25
Aromatic C12-C16	11.6	0	10.4	90		1.88 (40-140) 25
Aromatic C16-C21	19.3	0	20.5	106		1.87 (40-140) 25
Aromatic C21-C36	30.9	0	33.0	106		1.87 (40-140) 25

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Roman E&G Corp
Lab Code: CHEM **Cas No:** P4258 **SAS No :** P4258 **SDG No:** P4258
Sample No : PB164054BS **Datafile:** FC067410.D
Client ID : PB164054BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C9-C12	10.0	5.95	60		(40-140)
Aliphatic C12-C16	6.7	5.05	76		(40-140)
Aliphatic C16-C21	10.0	7.93	79		(40-140)
Aliphatic C21-C28	13.3	10.6	80		(40-140)
Aliphatic C28-C40	20.0	15.4	77		(40-140)

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Roman E&G Corp
Lab Code: CHEM **Cas No:** P4258 **SAS No :** P4258 **SDG No:** P4258
Sample No : PB164054BSD **Datafile:** FC067411.D
Client ID : PB164054BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS	QC Limit Of RPD
Aliphatic C9-C12	10	5.97	60		0.43 (40-140)	50
Aliphatic C12-C16	6.7	5.08	76		0.62 (40-140)	50
Aliphatic C16-C21	10	7.94	80		0.22 (40-140)	50
Aliphatic C21-C28	13.3	10.6	80		0.09 (40-140)	50
Aliphatic C28-C40	20.0	15.5	78		0.74 (40-140)	50

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Roman E&G Corp
Lab Code: CHEM **Cas No:** P4258 **SAS No :** P4258 **SDG No:** P4258
Sample No : PB164054BS **Datafile:** FD048462.D
Client ID : PB164054BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aromatic C10-C12	6.7	4.69	70		(40-140)
Aromatic C12-C16	10.0	7.59	76		(40-140)
Aromatic C16-C21	16.7	14.5	87		(40-140)
Aromatic C21-C36	26.7	21.9	82		(40-140)

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Roman E&G Corp
Lab Code: CHEM **Cas No:** P4258 **SAS No :** P4258 **SDG No:** P4258
Sample No : PB164054BSD **Datafile:** FD048463.D
Client ID : PB164054BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS	QC Limit Of RPD
Aromatic C10-C12	6.7	4.58	69		2.3 (40-140)	50
Aromatic C12-C16	10	7.43	74		2 (40-140)	50
Aromatic C16-C21	16.7	14.2	85		2 (40-140)	50
Aromatic C21-C36	26.6	21.6	81		1.4 (40-140)	50

4B
METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164054BL

Lab Name: CHEMTECH

Contract: ROMA02

Lab Code: CHEM Case No.: P4258

SAS No.: P4258 SDG NO.: P4258

Instrument ID: FID_C

Lab Sample ID: PB164054BL

Matrix: (soil/water) Solid

Date Extracted: 10/11/2024 8:20:00

Level: (low/med) low

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

EPA SAMPLE NO.	LAB SAMPLE ID
PB164054BS	PB164054BS
PB164054BSD	PB164054BSD
CHAMBERLAIN AVE	P4258-03
CHAMBERLAIN AVEMS	P4258-03MS
CHAMBERLAIN AVEMSD	P4258-03MSD

COMMENTS: _____



QC SAMPLE DATA

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	
Project:	Perth Amboy	Date Received:	
Client Sample ID:	PB164054BL	SDG No.:	P4258
Lab Sample ID:	PB164054BL	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
10/11/24 08:20	10/11/24 20:55	PB164054

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	FC067409.D
Aliphatic C12-C16	Aliphatic C12-C16	0.24	U	1	0.24	0.67	mg/kg	FC067409.D
Aliphatic C16-C21	Aliphatic C16-C21	0.30	U	1	0.30	1.00	mg/kg	FC067409.D
Aliphatic C21-C28	Aliphatic C21-C28	0.80	U	1	0.80	1.33	mg/kg	FC067409.D
Aliphatic C28-C40	Aliphatic C28-C40	1.80	U	1	1.80	2.00	mg/kg	FC067409.D
Aromatic C10-C12	Aromatic C10-C12	0.30	U	1	0.30	0.67	mg/kg	FD048461.D
Aromatic C12-C16	Aromatic C12-C16	0.34	U	1	0.34	1.00	mg/kg	FD048461.D
Aromatic C16-C21	Aromatic C16-C21	0.96	U	1	0.96	1.67	mg/kg	FD048461.D
Aromatic C21-C36	Aromatic C21-C36	2.00	U	1	2.00	2.66	mg/kg	FD048461.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:	Roman E&G Corp	Date Collected:	
Project:	Perth Amboy	Date Received:	
Client Sample ID:	PB164054BL	SDG No.:	P4258
Lab Sample ID:	PB164054BL	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
FC067409.D	1	10/11/24	10/11/24	PB164054

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)	36.8		40 - 140	74%	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:	PB164054BL	Acq On:	11 Oct 2024 20:55
Client Sample ID:	PB164054BL	Operator:	YP/AJ
Data file:	FC067409.D	Misc:	
Instrument:	FID_C	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.175	6.457	0	0	300	ug/ml
Aliphatic C12-C16	6.458	9.848	0	0	200	ug/ml
Aliphatic C16-C21	9.849	13.207	0	0	300	ug/ml
Aliphatic C21-C28	13.208	16.862	0	0	400	ug/ml
Aliphatic C28-C40	16.863	21.712	0	0	600	ug/ml
Aliphatic EPH	3.175	21.712	0	0		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.943	12.943	4160735	36.76		ug/ml
Aliphatic C9-C28	3.175	16.862	0	0	1200	ug/ml

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	
Project:	Perth Amboy	Date Received:	
Client Sample ID:	PB164054BL	SDG No.:	P4258
Lab Sample ID:	PB164054BL	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
FD048461.D	1	10/11/24	10/11/24	PB164054

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)	57.0		40 - 140	114%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	60.1		40 - 140	120%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	46.4		40 - 140	93%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB164054BL	Acq On:	11 Oct 2024 21:31
Client Sample ID:	PB164054BL	Operator:	YP/AJ
Data file:	FD048461.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	4.100	5.818	0	0	200	ug/ml
Aromatic C12-C16	5.819	8.425	0	0	300	ug/ml
Aromatic C16-C21	8.426	12.687	0	0	500	ug/ml
Aromatic C21-C36	12.688	18.089	0	0	800	ug/ml
Aromatic EPH	4.100	18.089	0	0		ug/ml
2-Bromonaphthalene (SURR)	7.379	7.379	9429559	56.95		ug/ml
2-Fluorobiphenyl (SURR)	8.229	8.229	6231461	60.09		ug/ml
ortho-Terphenyl (SURR)	11.265	11.265	8536307	46.39		ug/ml

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	
Project:	Perth Amboy	Date Received:	
Client Sample ID:	PB164054BS	SDG No.:	P4258
Lab Sample ID:	PB164054BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
10/11/24 08:20	10/11/24 21:31	PB164054

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	5.95		1	0.38	1.00	mg/kg FC067410.D
Aliphatic C12-C16	Aliphatic C12-C16	5.05		1	0.24	0.67	mg/kg FC067410.D
Aliphatic C16-C21	Aliphatic C16-C21	7.93		1	0.30	1.00	mg/kg FC067410.D
Aliphatic C21-C28	Aliphatic C21-C28	10.6		1	0.80	1.33	mg/kg FC067410.D
Aliphatic C28-C40	Aliphatic C28-C40	15.4		1	1.80	2.00	mg/kg FC067410.D
Aromatic C10-C12	Aromatic C10-C12	4.69		1	0.30	0.67	mg/kg FD048462.D
Aromatic C12-C16	Aromatic C12-C16	7.59		1	0.34	1.00	mg/kg FD048462.D
Aromatic C16-C21	Aromatic C16-C21	14.5		1	0.96	1.67	mg/kg FD048462.D
Aromatic C21-C36	Aromatic C21-C36	21.9		1	2.00	2.67	mg/kg FD048462.D
Total AliphaticEPH	Total AliphaticEPH	44.9			3.52	6.00	mg/kg
Total AromaticEPH	Total AromaticEPH	48.7			3.60	6.01	mg/kg
Total EPH	Total EPH	93.6			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:	Roman E&G Corp		Date Collected:	
Project:	Perth Amboy		Date Received:	
Client Sample ID:	PB164054BS		SDG No.:	P4258
Lab Sample ID:	PB164054BS		Matrix:	Solid
Analytical Method:	NJEPH		% Solid:	100
Sample Wt/Vol:	30.01	Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:		uL	Test:	EPH
Prep Method :				

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067410.D	1	10/11/24	10/11/24	PB164054

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
	Aliphatic C9-C12	Aliphatic C9-C12	5.95	0.38	1.00	mg/kg
	Aliphatic C12-C16	Aliphatic C12-C16	5.05	0.24	0.67	mg/kg
	Aliphatic C16-C21	Aliphatic C16-C21	7.93	0.30	1.00	mg/kg
	Aliphatic C21-C28	Aliphatic C21-C28	10.6	0.80	1.33	mg/kg
	Aliphatic C28-C40	Aliphatic C28-C40	15.4	1.80	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	41.0		40 - 140	82%	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:	PB164054BS	Acq On:	11 Oct 2024 21:31
Client Sample ID:	PB164054BS	Operator:	YP/AJ
Data file:	FC067410.D	Misc:	
Instrument:	FID_C	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.175	6.457	11465632	89.328	300	ug/ml
Aliphatic C12-C16	6.458	9.848	9918535	75.738	200	ug/ml
Aliphatic C16-C21	9.849	13.207	15643745	118.985	300	ug/ml
Aliphatic C21-C28	13.208	16.862	20179814	159.117	400	ug/ml
Aliphatic C28-C40	16.863	21.712	24315542	231.102	600	ug/ml
Aliphatic EPH	3.175	21.712	81523268	674.27		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.943	12.943	4641045	41		ug/ml
Aliphatic C9-C28	3.175	16.862	57207726	443.168	1200	ug/ml

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	
Project:	Perth Amboy	Date Received:	
Client Sample ID:	PB164054BS	SDG No.:	P4258
Lab Sample ID:	PB164054BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048462.D	1	10/11/24	10/11/24	PB164054

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	4.69		0.30	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	7.59		0.34	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	14.5		0.96	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	21.9		2.00	2.67	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	51.5		40 - 140	103%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	50.2		40 - 140	100%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	41.3		40 - 140	83%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB164054BS	Acq On:	11 Oct 2024 22:07
Client Sample ID:	PB164054BS	Operator:	YP/AJ
Data file:	FD048462.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	4.100	5.818	12735640	70.369	200	ug/ml
Aromatic C12-C16	5.819	8.425	21649760	113.949	300	ug/ml
Aromatic C16-C21	8.426	12.687	38809486	217.142	500	ug/ml
Aromatic C21-C36	12.688	18.089	54295016	328.343	800	ug/ml
Aromatic EPH	4.100	18.089	127489902	729.803		ug/ml
2-Bromonaphthalene (SURRE)	7.379	7.379	8532621	51.54		ug/ml
2-Fluorobiphenyl (SURRE)	8.229	8.229	5202838	50.17		ug/ml
ortho-Terphenyl (SURRE)	11.265	11.265	7598488	41.3		ug/ml

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	
Project:	Perth Amboy	Date Received:	
Client Sample ID:	PB164054BSD	SDG No.:	P4258
Lab Sample ID:	PB164054BSD	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
10/11/24 08:20	10/11/24 22:07	PB164054

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	5.97		1	0.38	1.00	mg/kg	FC067411.D
Aliphatic C12-C16	Aliphatic C12-C16	5.08		1	0.24	0.67	mg/kg	FC067411.D
Aliphatic C16-C21	Aliphatic C16-C21	7.94		1	0.30	1.00	mg/kg	FC067411.D
Aliphatic C21-C28	Aliphatic C21-C28	10.6		1	0.80	1.33	mg/kg	FC067411.D
Aliphatic C28-C40	Aliphatic C28-C40	15.5		1	1.80	2.00	mg/kg	FC067411.D
Aromatic C10-C12	Aromatic C10-C12	4.58		1	0.30	0.67	mg/kg	FD048463.D
Aromatic C12-C16	Aromatic C12-C16	7.43		1	0.34	1.00	mg/kg	FD048463.D
Aromatic C16-C21	Aromatic C16-C21	14.2		1	0.96	1.67	mg/kg	FD048463.D
Aromatic C21-C36	Aromatic C21-C36	21.6		1	2.00	2.66	mg/kg	FD048463.D
Total AliphaticEPH	Total AliphaticEPH	45.1			3.52	5.99	mg/kg	
Total AromaticEPH	Total AromaticEPH	47.8			3.60	6.00	mg/kg	
Total EPH	Total EPH	92.9			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:	Roman E&G Corp	Date Collected:	
Project:	Perth Amboy	Date Received:	
Client Sample ID:	PB164054BSD	SDG No.:	P4258
Lab Sample ID:	PB164054BSD	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
FC067411.D	1	10/11/24	10/11/24	PB164054

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	5.97		0.38	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	5.08		0.24	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	7.94		0.30	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	10.6		0.80	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	15.5		1.80	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.8		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:	PB164054BSD	Acq On:	11 Oct 2024 22:07
Client Sample ID:	PB164054BSD	Operator:	YP/AJ
Data file:	FC067411.D	Misc:	
Instrument:	FID_C	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.175	6.457	11514355	89.707	300	ug/ml
Aliphatic C12-C16	6.458	9.848	9982342	76.226	200	ug/ml
Aliphatic C16-C21	9.849	13.207	15666132	119.156	300	ug/ml
Aliphatic C21-C28	13.208	16.862	20204170	159.309	400	ug/ml
Aliphatic C28-C40	16.863	21.712	24415644	232.053	600	ug/ml
Aliphatic EPH	3.175	21.712	81782643	676.451		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.944	12.944	4391796	38.8		ug/ml
Aliphatic C9-C28	3.175	16.862	57366999	444.398	1200	ug/ml

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	
Project:	Perth Amboy	Date Received:	
Client Sample ID:	PB164054BSD	SDG No.:	P4258
Lab Sample ID:	PB164054BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:		Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048463.D	1	10/11/24	10/11/24	PB164054

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	4.58		0.30	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	7.43		0.34	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	14.2		0.96	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	21.6		2.00	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	50.6		40 - 140	101%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	49.2		40 - 140	98%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	40.5		40 - 140	81%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB164054BSD	Acq On:	11 Oct 2024 22:44
Client Sample ID:	PB164054BSD	Operator:	YP/AJ
Data file:	FD048463.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	4.100	5.818	12446530	68.771	200	ug/ml
Aromatic C12-C16	5.819	8.425	21187218	111.514	300	ug/ml
Aromatic C16-C21	8.426	12.687	38041343	212.845	500	ug/ml
Aromatic C21-C36	12.688	18.089	53515255	323.627	800	ug/ml
Aromatic EPH	4.100	18.089	125190346	716.757		ug/ml
2-Bromonaphthalene (SURRE)	7.379	7.379	8378840	50.61		ug/ml
2-Fluorobiphenyl (SURRE)	8.229	8.229	5106679	49.24		ug/ml
ortho-Terphenyl (SURRE)	11.265	11.265	7452371	40.5		ug/ml

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	
Project:	Perth Amboy	Date Received:	
Client Sample ID:	Chamberlain AveMS	SDG No.:	P4258
Lab Sample ID:	P4258-03MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86
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
10/11/24 08:20	10/12/24 1:50	PB164054

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	6.78		1	0.44	1.16	mg/kg	FC067417.D
Aliphatic C12-C16	Aliphatic C12-C16	5.58		1	0.28	0.77	mg/kg	FC067417.D
Aliphatic C16-C21	Aliphatic C16-C21	8.85		1	0.35	1.16	mg/kg	FC067417.D
Aliphatic C21-C28	Aliphatic C21-C28	11.8		1	0.93	1.55	mg/kg	FC067417.D
Aliphatic C28-C40	Aliphatic C28-C40	21.0		1	2.09	2.32	mg/kg	FC067417.D
Aromatic C10-C12	Aromatic C10-C12	6.55		1	0.35	0.77	mg/kg	FD048469.D
Aromatic C12-C16	Aromatic C12-C16	10.6		1	0.39	1.16	mg/kg	FD048469.D
Aromatic C16-C21	Aromatic C16-C21	20.9		1	1.11	1.93	mg/kg	FD048469.D
Aromatic C21-C36	Aromatic C21-C36	33.6		1	2.32	3.09	mg/kg	FD048469.D
Total AliphaticEPH	Total AliphaticEPH	54.0			4.08	6.96	mg/kg	
Total AromaticEPH	Total AromaticEPH	71.7			4.17	6.95	mg/kg	
Total EPH	Total EPH	126			8.26	13.9	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:	Roman E&G Corp	Date Collected:	
Project:	Perth Amboy	Date Received:	
Client Sample ID:	Chamberlain AveMS	SDG No.:	P4258
Lab Sample ID:	P4258-03MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:		Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067417.D	1	10/11/24	10/12/24	PB164054

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	6.78		0.44	1.16	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	5.58		0.28	0.77	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	8.85		0.35	1.16	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	11.8		0.93	1.55	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	21.0		2.09	2.32	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	25.0		40 - 140	50%	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:	P4258-03MS	Acq On:	12 Oct 2024 01:50
Client Sample ID:	Chamberlain AveMS	Operator:	YP/AJ
Data file:	FC067417.D	Misc:	
Instrument:	FID_C	ALS Vial:	26
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.175	6.457	11259049	87.718	300	ug/ml
Aliphatic C12-C16	6.458	9.848	9442477	72.103	200	ug/ml
Aliphatic C16-C21	9.849	13.207	15043294	114.418	300	ug/ml
Aliphatic C21-C28	13.208	16.862	19405623	153.013	400	ug/ml
Aliphatic C28-C40	16.863	21.712	28582430	271.655	600	ug/ml
Aliphatic EPH	3.175	21.712	83732873	698.908		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.942	12.942	2825735	24.96		ug/ml
Aliphatic C9-C28	3.175	16.862	55150443	427.252	1200	ug/ml

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	
Project:	Perth Amboy	Date Received:	
Client Sample ID:	Chamberlain AveMS	SDG No.:	P4258
Lab Sample ID:	P4258-03MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:		Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048469.D	1	10/11/24	10/12/24	PB164054

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	6.55		0.35	0.77	mg/kg
Aromatic C12-C16	Aromatic C12-C16	10.6		0.39	1.16	mg/kg
Aromatic C16-C21	Aromatic C16-C21	20.9		1.11	1.93	mg/kg
Aromatic C21-C36	Aromatic C21-C36	33.6		2.32	3.09	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	55.4		40 - 140	111%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	58.4		40 - 140	117%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.0		40 - 140	66%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4258-03MS	Acq On:	12 Oct 2024 02:27
Client Sample ID:	Chamberlain AveMS	Operator:	YP/AJ
Data file:	FD048469.D	Misc:	
Instrument:	FID_D	ALS Vial:	69
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.100	5.818	15333341	84.722	200	ug/ml
Aromatic C12-C16	5.819	8.425	25971347	136.695	300	ug/ml
Aromatic C16-C21	8.426	12.687	48305195	270.272	500	ug/ml
Aromatic C21-C36	12.688	18.089	71801827	434.213	800	ug/ml
Aromatic EPH	4.100	18.089	161411710	925.901		ug/ml
ortho-Terphenyl (SURR)	11.264	11.264	6078564	33.04		ug/ml
2-Bromonaphthalene (SURR)	7.380	7.380	9165846	55.36		ug/ml
2-Fluorobiphenyl (SURR)	8.230	8.230	6055741	58.39		ug/ml

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	
Project:	Perth Amboy	Date Received:	
Client Sample ID:	Chamberlain AveMSD	SDG No.:	P4258
Lab Sample ID:	P4258-03MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
10/11/24 08:20	10/12/24 2:27	PB164054

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	6.83		1	0.44	1.16	mg/kg FC067418.D
Aliphatic C12-C16	Aliphatic C12-C16	5.58		1	0.28	0.77	mg/kg FC067418.D
Aliphatic C16-C21	Aliphatic C16-C21	8.90		1	0.35	1.16	mg/kg FC067418.D
Aliphatic C21-C28	Aliphatic C21-C28	11.9		1	0.93	1.55	mg/kg FC067418.D
Aliphatic C28-C40	Aliphatic C28-C40	21.0		1	2.09	2.32	mg/kg FC067418.D
Aromatic C10-C12	Aromatic C10-C12	6.05		1	0.35	0.77	mg/kg FD048470.D
Aromatic C12-C16	Aromatic C12-C16	10.4		1	0.39	1.16	mg/kg FD048470.D
Aromatic C16-C21	Aromatic C16-C21	20.5		1	1.11	1.93	mg/kg FD048470.D
Aromatic C21-C36	Aromatic C21-C36	33.0		1	2.32	3.09	mg/kg FD048470.D
Total AliphaticEPH	Total AliphaticEPH	54.2			4.08	6.96	mg/kg
Total AromaticEPH	Total AromaticEPH	70.0			4.17	6.95	mg/kg
Total EPH	Total EPH	124			8.26	13.9	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:	Roman E&G Corp	Date Collected:	
Project:	Perth Amboy	Date Received:	
Client Sample ID:	Chamberlain AveMSD	SDG No.:	P4258
Lab Sample ID:	P4258-03MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067418.D	1	10/11/24	10/12/24	PB164054

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
	Aliphatic C9-C12	6.83		0.44	1.16	mg/kg
	Aliphatic C12-C16	5.58		0.28	0.77	mg/kg
	Aliphatic C16-C21	8.90		0.35	1.16	mg/kg
	Aliphatic C21-C28	11.9		0.93	1.55	mg/kg
	Aliphatic C28-C40	21.0		2.09	2.32	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	26.0		40 - 140	52%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50



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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4258-03MSD	Acq On:	12 Oct 2024 02:27
Client Sample ID:	Chamberlain AveMSD	Operator:	YP/AJ
Data file:	FC067418.D	Misc:	
Instrument:	FID_C	ALS Vial:	27
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.175	6.457	11335119	88.311	300	ug/ml
Aliphatic C12-C16	6.458	9.848	9463249	72.262	200	ug/ml
Aliphatic C16-C21	9.849	13.207	15147847	115.214	300	ug/ml
Aliphatic C21-C28	13.208	16.862	19600942	154.553	400	ug/ml
Aliphatic C28-C40	16.863	21.712	28641624	272.218	600	ug/ml
Aliphatic EPH	3.175	21.712	84188781	702.557		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.941	12.941	2940829	25.98		ug/ml
Aliphatic C9-C28	3.175	16.862	55547157	430.34	1200	ug/ml

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	
Project:	Perth Amboy	Date Received:	
Client Sample ID:	Chamberlain AveMSD	SDG No.:	P4258
Lab Sample ID:	P4258-03MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048470.D	1	10/11/24	10/12/24	PB164054

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	6.05		0.35	0.77	mg/kg
Aromatic C12-C16	Aromatic C12-C16	10.4		0.39	1.16	mg/kg
Aromatic C16-C21	Aromatic C16-C21	20.5		1.11	1.93	mg/kg
Aromatic C21-C36	Aromatic C21-C36	33.0		2.32	3.09	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	54.4		40 - 140	109%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	57.3		40 - 140	115%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.4		40 - 140	65%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4258-03MSD	Acq On:	12 Oct 2024 03:04
Client Sample ID:	Chamberlain AveMSD	Operator:	YP/AJ
Data file:	FD048470.D	Misc:	
Instrument:	FID_D	ALS Vial:	70
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.100	5.818	14167618	78.281	200	ug/ml
Aromatic C12-C16	5.819	8.425	25463495	134.022	300	ug/ml
Aromatic C16-C21	8.426	12.687	47480476	265.657	500	ug/ml
Aromatic C21-C36	12.688	18.089	70530584	426.526	800	ug/ml
Aromatic EPH	4.100	18.089	157642173	904.485		ug/ml
ortho-Terphenyl (SURR)	11.264	11.264	5967413	32.43		ug/ml
2-Bromonaphthalene (SURR)	7.379	7.379	9001040	54.36		ug/ml
2-Flurobiphenyl (SURR)	8.230	8.230	5945022	57.33		ug/ml



CALIBRATION SUMMARY

Initial Calibration Report for SequenceID : FC100224AL

AreaCount

Parameter Range	FC067312.D	FC067313.D	FC067314.D	FC067315.D	FC067316.D	
Aliphatic C9-C12	36157754.000	18468554.000	7796622.000	3912320.000	2066528.000	
Aliphatic C12-C16	24671572.000	12642565.000	5319639.000	2676246.000	1382016.000	
Aliphatic C16-C21	36539622.000	18852548.000	8005327.000	4100822.000	2096729.000	
Aliphatic C21-C28	47235980.000	24590379.000	10215208.000	5219473.000	2697991.000	
Aliphatic C28-C40	57341685.000	29822245.000	12674884.000	6440179.000	3544258.000	
Aliphatic EPH	201946613.000	104376291.000	44011680.000	22349040.000	11787522.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	128354.4879996	5.284				
Aliphatic C12-C16	130957.677	4.567				
Aliphatic C16-C21	131476.1019996	5.732				
Aliphatic C21-C28	126823.664	5.15				
Aliphatic C28-C40	105215.848333	8.211				
Aliphatic EPH	121110.9372216	6.036				

Concentration

Parameter Range	FC067312.D	FC067313.D	FC067314.D	FC067315.D	FC067316.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	FC067312.D	FC067313.D	FC067314.D	FC067315.D	FC067316.D	
Aliphatic C9-C12	120525.846666	123123.693333	129943.700000	130410.666666	137768.533333	
Aliphatic C12-C16	123357.860000	126425.650000	132990.975000	133812.300000	138201.600000	
Aliphatic C16-C21	121798.740000	125683.653333	133422.116666	136694.066666	139781.933333	

Initial Calibration Report for SequenceID : FC100224AL

Aliphatic C21-C28	118089.950000	122951.895000	127690.100000	130486.825000	134899.550000	
Aliphatic C28-C40	95569.475000	99407.483333	105624.033333	107336.316666	118141.933333	
Aliphatic EPH	112192.562777	115973.656666	122254.666666	124161.333333	130972.466666	

Initial Calibration Report for SequenceID : FD093024AR

AreaCount

Parameter Range	FD048398.D	FD048399.D	FD048400.D	FD048401.D	FD048402.D	
Aromatic C10-C12	34648059.000	18252378.000	7283031.000	3571721.000	1884983.000	
Aromatic C12-C16	52772389.000	27987173.000	11349711.000	5750614.000	3099577.000	
Aromatic C16-C21	67557629.000	35880273.000	14451391.000	7136049.000	3726042.000	
Aromatic C21-C36	141518244.000	74756685.000	30035782.000	14897193.000	7697046.000	
Aromatic EPH	296496321.000	156876509.000	63119915.000	31355577.000	16407648.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aromatic C10-C12	180984.84	3.098				
Aromatic C12-C16	189995.313333	5.829				
Aromatic C16-C21	178728.23	3.52				
Aromatic C21-C36	165360.7497772	3.04				
Aromatic EPH	174173.0715554	3.596				

Concentration

Parameter Range	FD048398.D	FD048399.D	FD048400.D	FD048401.D	FD048402.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	FD048398.D	FD048399.D	FD048400.D	FD048401.D	FD048402.D	
Aromatic C10-C12	173240.295000	182523.780000	182075.775000	178586.050000	188498.300000	
Aromatic C12-C16	175907.963333	186581.153333	189161.850000	191687.133333	206638.466666	
Aromatic C16-C21	168894.072500	179401.365000	180642.387500	178401.225000	186302.100000	
Aromatic C21-C36	157242.493333	166125.966666	166865.455555	165524.366666	171045.466666	
Aromatic EPH	164720.178333	174307.232222	175333.097222	174197.650000	182307.200000	

Continuing Calibration Report for SequenceID : FC101124AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FC067408.D

Aliphatic C9-C12	7676829.000	60.000	3.175	6.457	127947.150	128354.488	0.317
Aliphatic C12-C16	4998555.000	40.000	6.458	9.848	124963.875	130957.677	4.577
Aliphatic C16-C21	7249603.000	60.000	9.849	13.207	120826.717	131476.102	8.100
Aliphatic C21-C28	9222288.000	80.000	13.208	16.862	115278.600	126823.664	9.103
Aliphatic C28-C40	12019967.000	120.000	16.863	21.712	100166.392	105215.848	4.799
Aliphatic EPH	41167242.000	360.000	3.175	21.712	114353.450	121110.937	5.580

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	11 Oct 2024 19:42
Client Sample ID:		Operator:	YP/AJ
Data file:	FC067408.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.175	6.457	7676829.000	60.000	ug/ml
Aliphatic C12-C16	6.458	9.848	4998555.000	40.000	ug/ml
Aliphatic C16-C21	9.849	13.207	7249603.000	60.000	ug/ml
Aliphatic C21-C28	13.208	16.862	9222288.000	80.000	ug/ml
Aliphatic C28-C40	16.863	21.712	12019967.000	120.000	ug/ml
Aliphatic EPH	3.175	21.712	41167242.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FC101124AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FC067420.D

Aliphatic C9-C12	7672816.000	60.000	3.175	6.457	127880.267	128354.488	0.369
Aliphatic C12-C16	5034510.000	40.000	6.458	9.848	125862.750	130957.677	3.891
Aliphatic C16-C21	7291288.000	60.000	9.849	13.207	121521.467	131476.102	7.571
Aliphatic C21-C28	9260604.000	80.000	13.208	16.862	115757.550	126823.664	8.726
Aliphatic C28-C40	11796013.000	120.000	16.863	21.712	98300.108	105215.848	6.573
Aliphatic EPH	41055231.000	360.000	3.175	21.712	114042.308	121110.937	5.836

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	12 Oct 2024 03:41
Client Sample ID:		Operator:	YP/AJ
Data file:	FC067420.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.175	6.457	7672816.000	60.000	ug/ml
Aliphatic C12-C16	6.458	9.848	5034510.000	40.000	ug/ml
Aliphatic C16-C21	9.849	13.207	7291288.000	60.000	ug/ml
Aliphatic C21-C28	13.208	16.862	9260604.000	80.000	ug/ml
Aliphatic C28-C40	16.863	21.712	11796013.000	120.000	ug/ml
Aliphatic EPH	3.175	21.712	41055231.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FD101124AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FD048460.D

Aromatic C10-C12	7064482.000	40.000	4.100	5.818	176612.050	180984.840	2.416
Aromatic C12-C16	10873476.000	60.000	5.819	8.425	181224.600	189995.313	4.616
Aromatic C16-C21	13241236.000	80.000	8.426	12.687	165515.450	178728.230	7.393
Aromatic C21-C36	26858279.000	180.000	12.688	18.089	149212.661	165360.750	9.765
Aromatic EPH	58037473.000	360.000	4.100	18.089	161215.203	174173.072	7.440

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	11 Oct 2024 19:42
Client Sample ID:		Operator:	YP/AJ
Data file:	FD048460.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.100	5.818	7064482.000	40.000	ug/ml
Aromatic C12-C16	5.819	8.425	10873476.000	60.000	ug/ml
Aromatic C16-C21	8.426	12.687	13241236.000	80.000	ug/ml
Aromatic C21-C36	12.688	18.089	26858279.000	180.000	ug/ml
Aromatic EPH	4.100	18.089	58037473.000	360.000	ug/ml

A
B
C
D
E
F
G
H
I
J

Continuing Calibration Report for SequenceID : FD101124AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FD048472.D

Aromatic C10-C12	7272361.000	40.000	4.100	5.818	181809.025	180984.840	-0.455
Aromatic C12-C16	10992353.000	60.000	5.819	8.425	183205.883	189995.313	3.573
Aromatic C16-C21	13410430.000	80.000	8.426	12.687	167630.375	178728.230	6.209
Aromatic C21-C36	27444861.000	180.000	12.688	18.089	152471.450	165360.750	7.795
Aromatic EPH	59120005.000	360.000	4.100	18.089	164222.236	174173.072	5.713

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	12 Oct 2024 04:18
Client Sample ID:		Operator:	YP/AJ
Data file:	FD048472.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.100	5.818	7272361.000	40.000	ug/ml
Aromatic C12-C16	5.819	8.425	10992353.000	60.000	ug/ml
Aromatic C16-C21	8.426	12.687	13410430.000	80.000	ug/ml
Aromatic C21-C36	12.688	18.089	27444861.000	180.000	ug/ml
Aromatic EPH	4.100	18.089	59120005.000	360.000	ug/ml



SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC101124AL\
Data File : FC067415.D
Signal(s) : FID1A.ch
Acq On : 12 Oct 2024 00:35
Operator : YP/AJ
Sample : P4258-03
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
Chamberlain Ave

Integration File: autoint1.e
Quant Time: Oct 14 03:26:10 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:13:32 2024
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...	12.942	4479449	39.573 ug/ml
Spiked Amount	50.000	Recovery	= 79.15%

Target Compounds

(f)=RT Delta > 1/2 Window

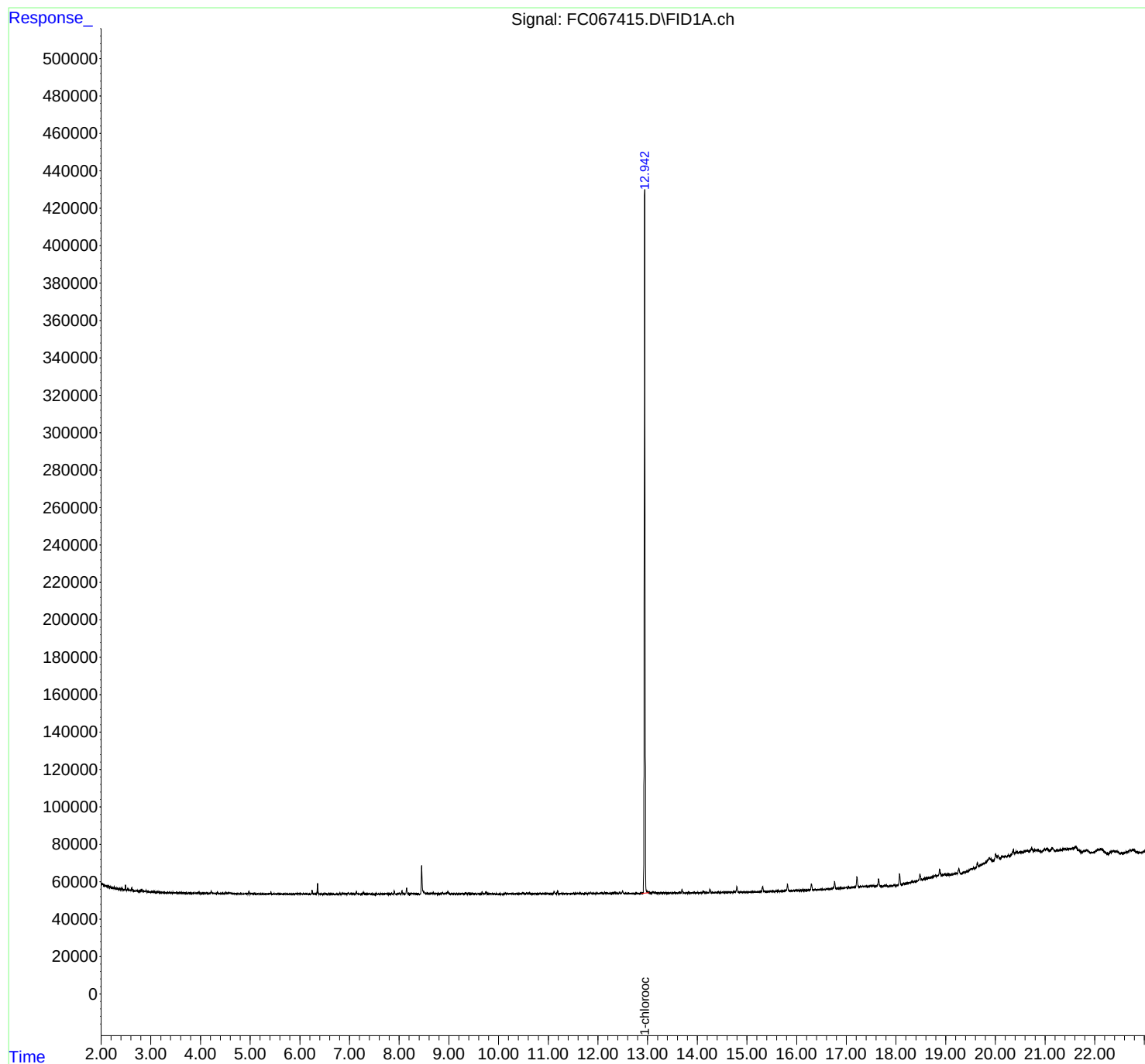
(m)=manual int.

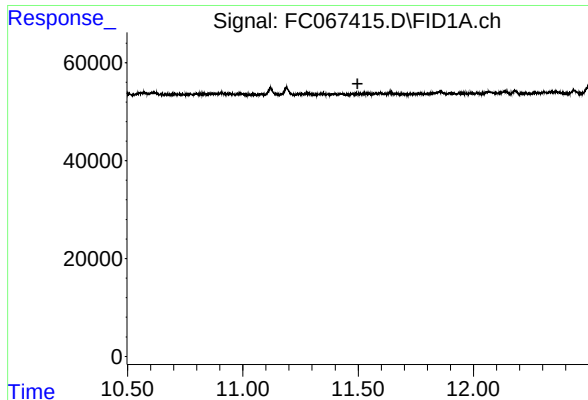
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Data File : FC067415.D
Signal(s) : FID1A.ch
Acq On : 12 Oct 2024 00:35
Operator : YP/AJ
Sample : P4258-03
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
Chamberlain Ave

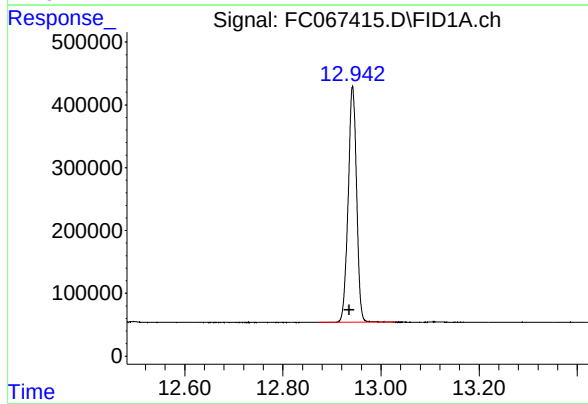
Integration File: autoint1.e
Quant Time: Oct 14 03:26:10 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:13:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Instrument :
FID_C
ClientSampleId :
Chamberlain Ave



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC101124AL\
 Data File : FC067415.D
 Signal(s) : FID1A.ch
 Acq On : 12 Oct 2024 00:35
 Sample : P4258-03
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.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	6.358	6.305	6.402	BB	5733	56543	1.26%	1.012%
2	8.453	8.402	8.524	BB	14972	192435	4.30%	3.445%
3	12.942	12.874	13.030	BB	375171	4479449	100.00%	80.191%
4	15.815	15.730	15.849	BB	3561	54015	1.21%	0.967%
5	16.297	16.249	16.329	BB	3429	47247	1.05%	0.846%
6	16.764	16.715	16.799	BB	3747	53783	1.20%	0.963%
7	17.214	17.159	17.259	BB	5354	76477	1.71%	1.369%
8	17.649	17.594	17.689	BB	3835	59018	1.32%	1.057%
9	18.072	18.012	18.104	BB	5869	83638	1.87%	1.497%
10	18.482	18.292	18.515	BB	3365	56824	1.27%	1.017%
11	18.879	18.765	18.920	BB	3339	56297	1.26%	1.008%
12	19.640	19.335	19.665	BV	2464	54822	1.22%	0.981%
13	20.005	19.665	20.039	VV	3087	236284	5.27%	4.230%
14	20.056	20.039	20.097	VB	1714	33320	0.74%	0.596%
15	20.360	20.294	20.385	BV	2305	45790	1.02%	0.820%

Sum of corrected areas: 5585941

Aliphatic EPH 100224.M Mon Oct 14 04:49:00 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101124AR\
 Data File : FD048467.D
 Signal(s) : FID2B.ch
 Acq On : 12 Oct 2024 01:12
 Operator : YP/AJ
 Sample : P4258-03
 Misc :
 ALS Vial : 67 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 Chamberlain Ave

Integration File: autoint1.e
 Quant Time: Oct 14 04:59:31 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 30 14:17:34 2024
 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...	7.379	8372339	50.567 ug/ml
Spiked Amount 50.000		Recovery =	101.13%
6) S 2-Flurobiphenyl (SURR)	8.229	5312726	51.229 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	102.46%
11) S ortho-Terphenyl (SURR)	11.264	6002682	32.624 ug/ml
Spiked Amount 50.000		Recovery =	65.25%

Target Compounds

(f)=RT Delta > 1/2 Window

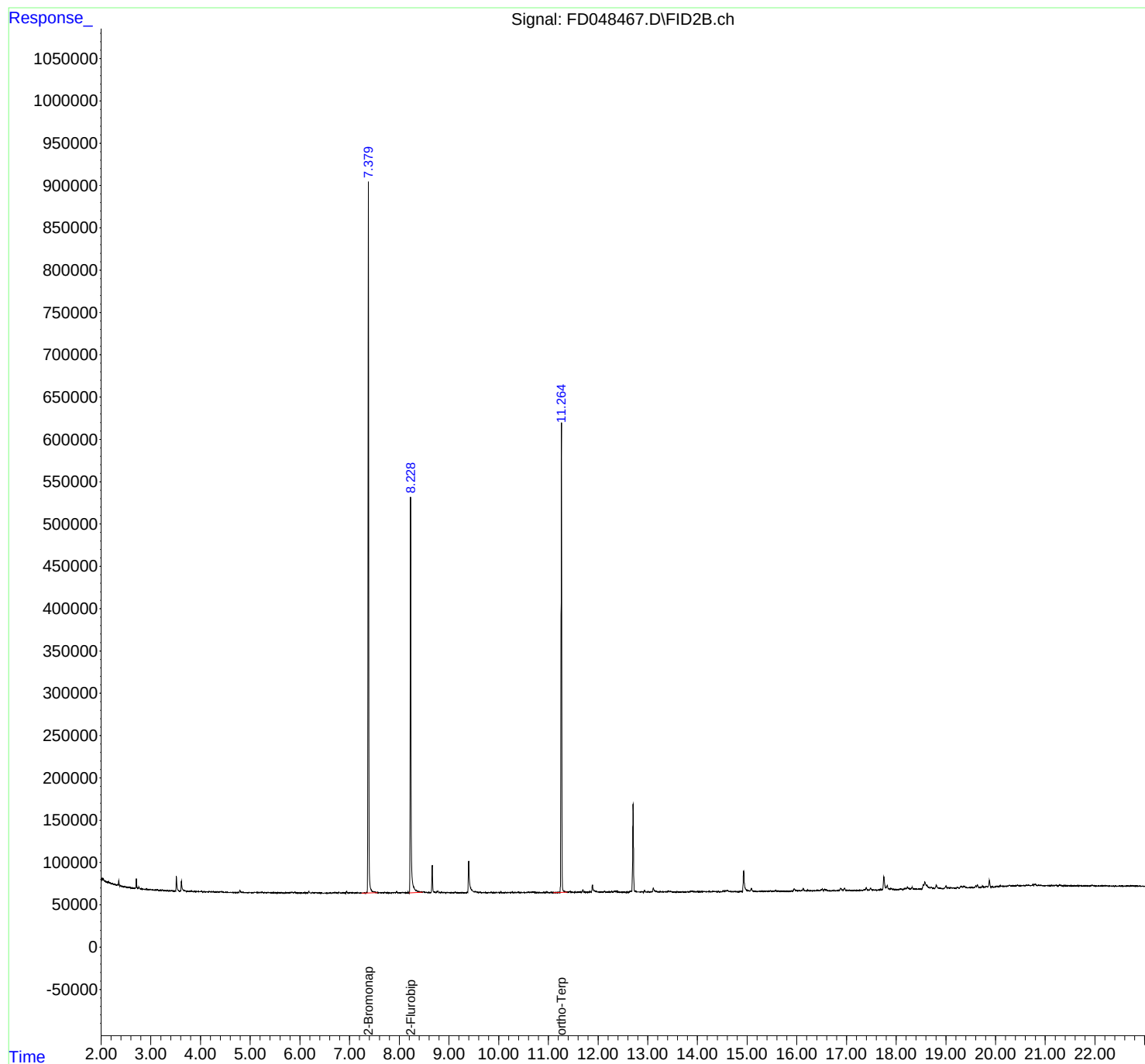
(m)=manual int.

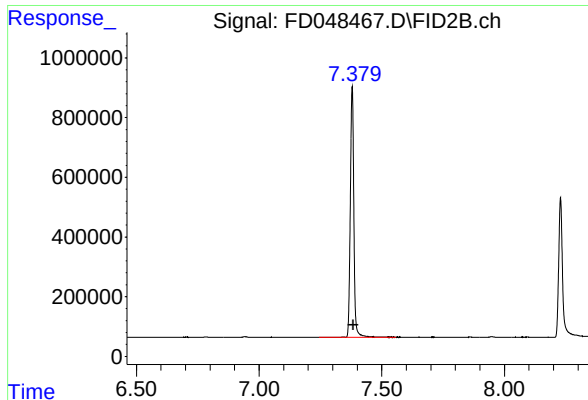
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101124AR\
Data File : FD048467.D
Signal(s) : FID2B.ch
Acq On : 12 Oct 2024 01:12
Operator : YP/AJ
Sample : P4258-03
Misc :
ALS Vial : 67 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
Chamberlain Ave

Integration File: autoint1.e
Quant Time: Oct 14 04:59:31 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 30 14:17:34 2024
Response via : Initial Calibration
Integrator: ChemStation

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

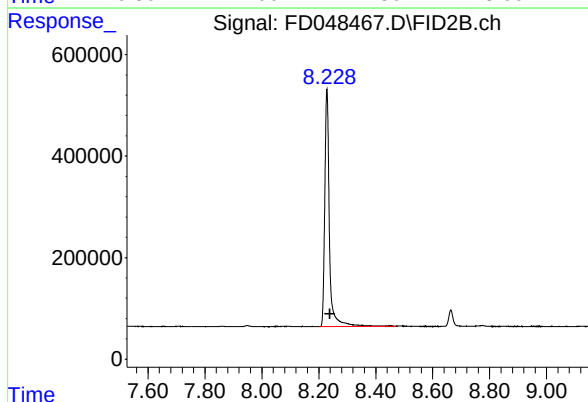




#4 2-Bromonaphthalene (SURR)

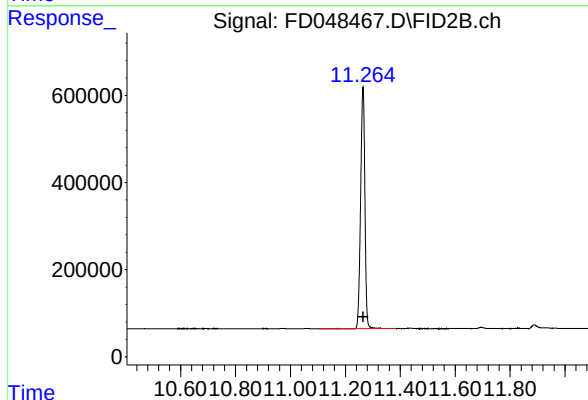
R.T.: 7.379 min
Delta R.T.: -0.005 min
Response: 8372339
Conc: 50.57 ug/ml

Instrument :
FID_D
ClientSampleId :
Chamberlain Ave



#6 2-Fluorobiphenyl (SURR)

R.T.: 8.229 min
Delta R.T.: -0.010 min
Response: 5312726
Conc: 51.23 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.264 min
Delta R.T.: -0.001 min
Response: 6002682
Conc: 32.62 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101124AR\
 Data File : FD048467.D
 Signal(s) : FID2B.ch
 Acq On : 12 Oct 2024 01:12
 Sample : P4258-03
 Misc :
 ALS Vial : 67 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.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	2.708	2.651	2.738	BV	11491	97321	1.16%	0.423%
2	3.515	3.461	3.598	BV	17846	195436	2.34%	0.849%
3	3.615	3.598	3.721	VB	11973	175488	2.10%	0.762%
4	7.379	7.294	7.528	BB	835218	8361270	100.00%	36.327%
5	8.229	8.191	8.434	BB	466897	5272746	63.06%	22.908%
6	8.664	8.608	8.734	BB	32309	336065	4.02%	1.460%
7	9.398	9.328	9.521	BV	36806	622518	7.45%	2.705%
8	11.264	11.198	11.344	BB	557157	5984838	71.58%	26.002%
9	11.887	11.768	11.951	BB	8014	123473	1.48%	0.536%
10	12.705	12.678	12.784	BB	103539	1220287	14.59%	5.302%
11	14.930	14.818	15.051	BB	24205	413193	4.94%	1.795%
12	17.750	17.701	17.794	BV	14300	214210	2.56%	0.931%
Sum of corrected areas:							23016844	

Aromatic EPH 093024.M Mon Oct 14 06:26:25 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC101124AL\
Data File : FC067409.D
Signal(s) : FID1A.ch
Acq On : 11 Oct 2024 20:55
Operator : YP/AJ
Sample : PB164054BL
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB164054BL

Integration File: autoint1.e
Quant Time: Oct 14 03:25:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:13:32 2024
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...	12.943	4160735	36.758 ug/ml
Spiked Amount	50.000	Recovery	= 73.52%

Target Compounds

(f)=RT Delta > 1/2 Window

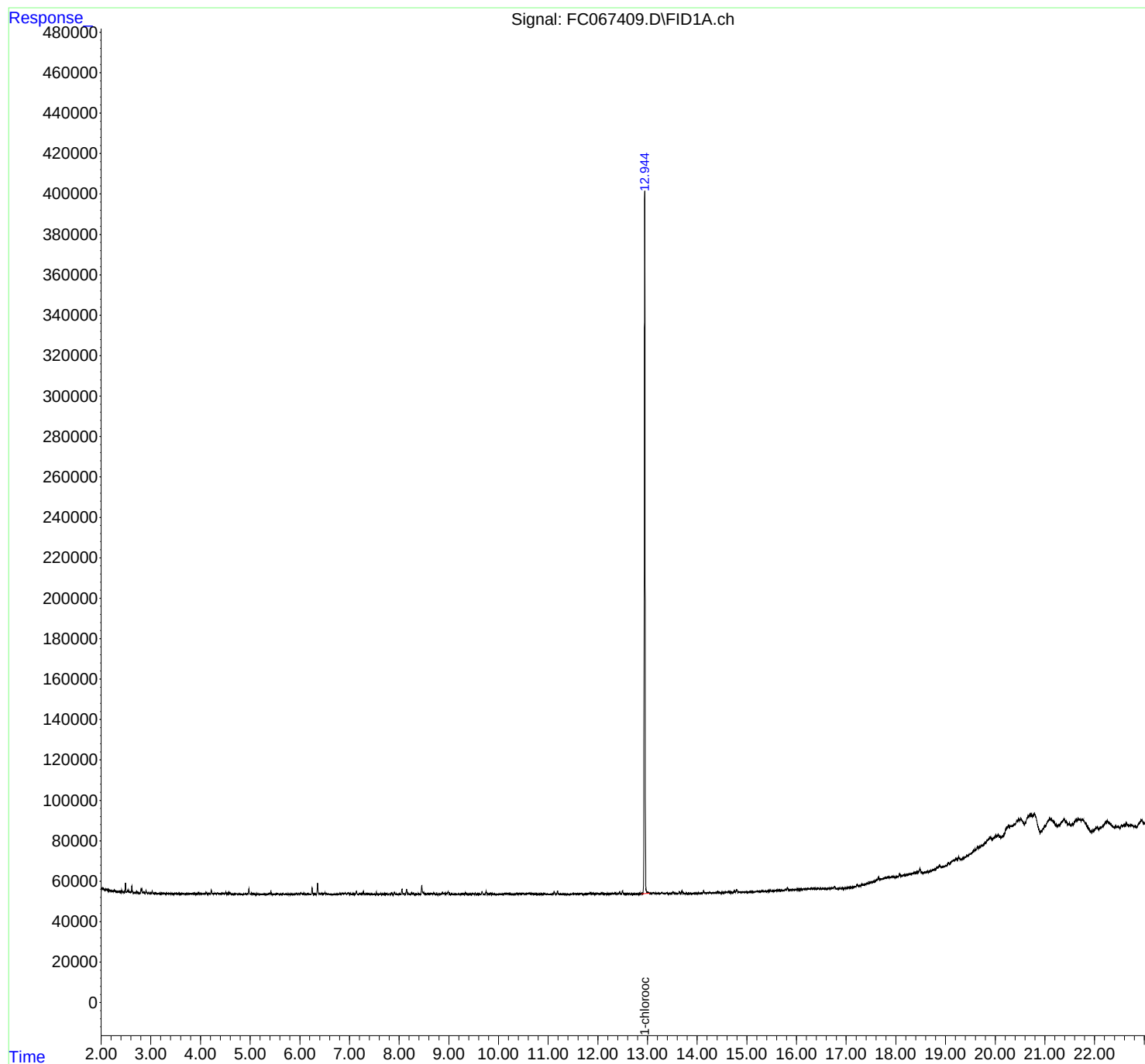
(m)=manual int.

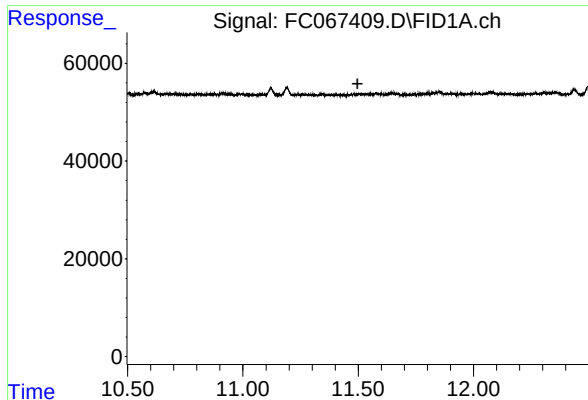
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC101124AL\
Data File : FC067409.D
Signal(s) : FID1A.ch
Acq On : 11 Oct 2024 20:55
Operator : YP/AJ
Sample : PB164054BL
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB164054BL

Integration File: autoint1.e
Quant Time: Oct 14 03:25:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:13:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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

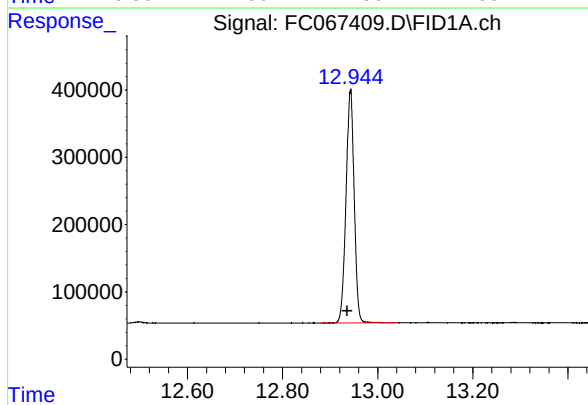




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.497 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
PB164054BL



#12 1-chlorooctadecane (SURR)

R.T.: 12.943 min
Delta R.T.: 0.007 min
Response: 4160735
Conc: 36.76 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC101124AL\
 Data File : FC067409.D
 Signal(s) : FID1A.ch
 Acq On : 11 Oct 2024 20:55
 Sample : PB164054BL
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.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	12.943	12.877	13.038	BB	346969	4160735	100.00%	100.000%
Sum of corrected areas:						4160735		

Aliphatic EPH 100224.M Mon Oct 14 04:42:07 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101124AR\
 Data File : FD048461.D
 Signal(s) : FID2B.ch
 Acq On : 11 Oct 2024 21:31
 Operator : YP/AJ
 Sample : PB164054BL
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 PB164054BL

Integration File: autoint1.e
 Quant Time: Oct 14 04:58:33 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 30 14:17:34 2024
 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...	7.379	9429559	56.953 ug/ml
Spiked Amount 50.000		Recovery =	113.91%
6) S 2-Fluorobiphenyl (SURR)	8.229	6231461	60.089 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	120.18%
11) S ortho-Terphenyl (SURR)	11.265	8536307	46.394 ug/ml
Spiked Amount 50.000		Recovery =	92.79%

Target Compounds

(f)=RT Delta > 1/2 Window

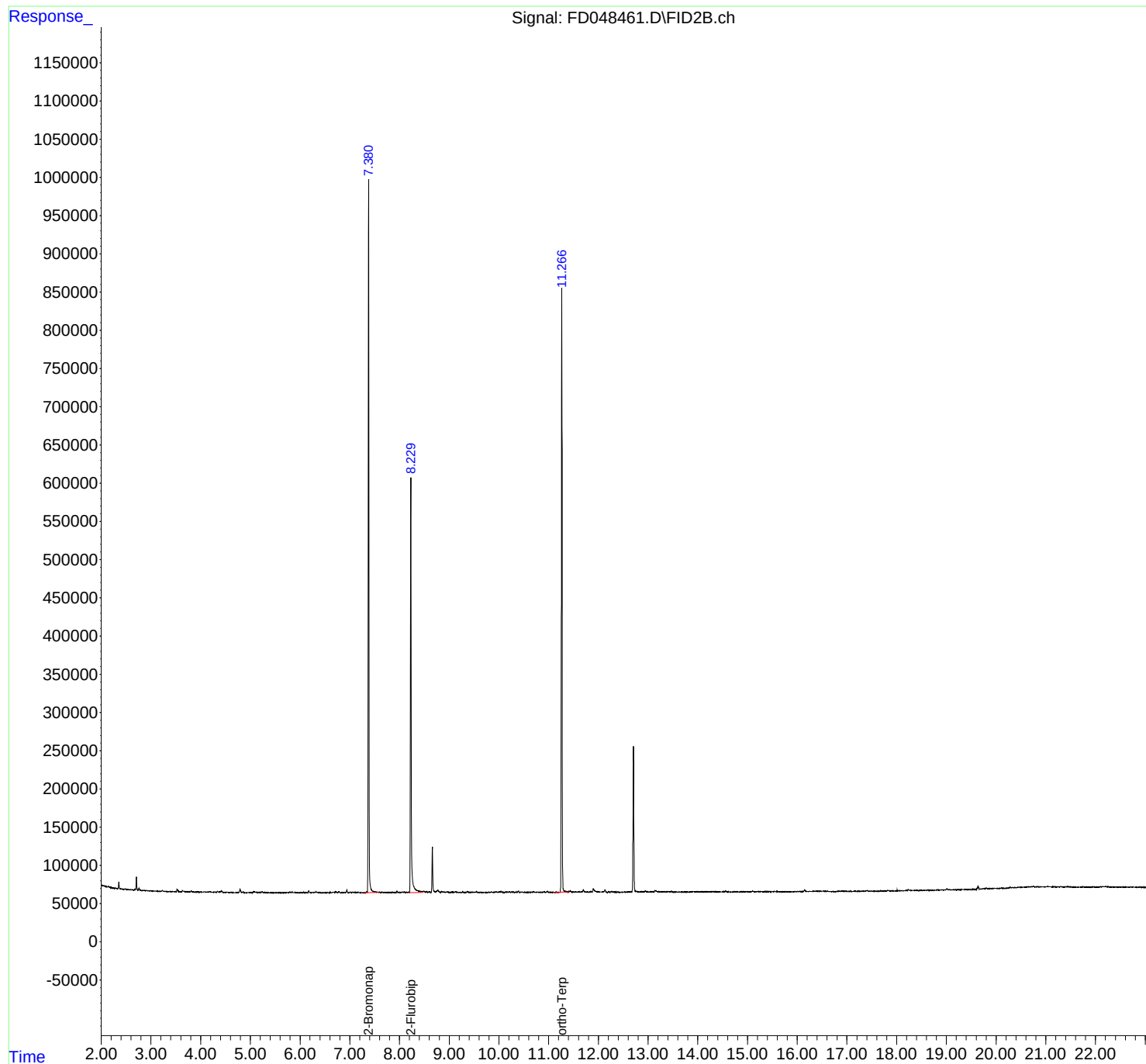
(m)=manual int.

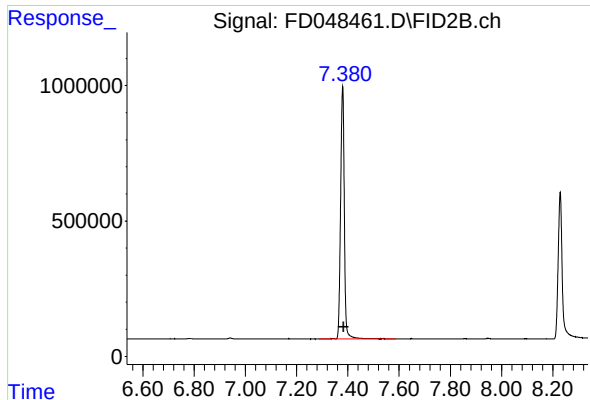
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101124AR\
Data File : FD048461.D
Signal(s) : FID2B.ch
Acq On : 11 Oct 2024 21:31
Operator : YP/AJ
Sample : PB164054BL
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB164054BL

Integration File: autoint1.e
Quant Time: Oct 14 04:58:33 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 30 14:17:34 2024
Response via : Initial Calibration
Integrator: ChemStation

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

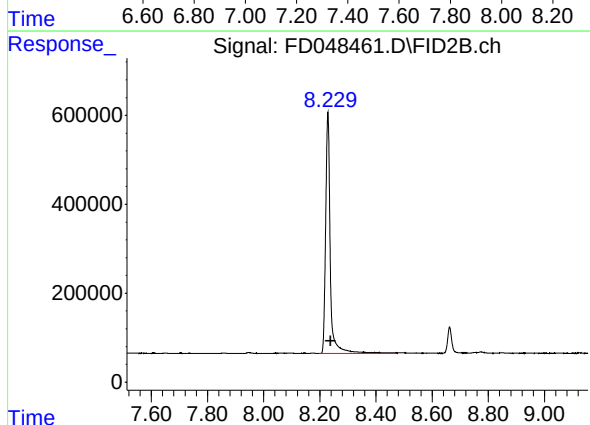




#4 2-Bromonaphthalene (SURR)

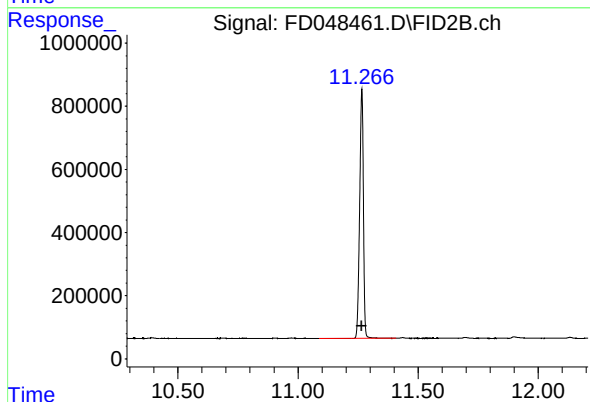
R.T.: 7.379 min
Delta R.T.: -0.005 min
Response: 9429559
Conc: 56.95 ug/ml

Instrument :
FID_D
ClientSampleId :
PB164054BL



#6 2-Fluorobiphenyl (SURR)

R.T.: 8.229 min
Delta R.T.: -0.010 min
Response: 6231461
Conc: 60.09 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.265 min
Delta R.T.: 0.000 min
Response: 8536307
Conc: 46.39 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101124AR\
Data File : FD048461.D
Signal(s) : FID2B.ch
Acq On : 11 Oct 2024 21:31
Sample : PB164054BL
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.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	7.379	7.294	7.501	BB	945168	9339670	100.00%	38.895%
2	8.229	8.204	8.424	BB	539082	6127599	65.61%	25.518%
3	11.265	11.198	11.381	BB	784619	8545224	91.49%	35.587%
Sum of corrected areas:							24012493	

Aromatic EPH 093024.M Mon Oct 14 06:22:46 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\F101124AL\
 Data File : FC067410.D
 Signal(s) : FID1A.ch
 Acq On : 11 Oct 2024 21:31
 Operator : YP/AJ
 Sample : PB164054BS
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :

FID_C

ClientSampleId :

PB164054BS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/14/2024

Supervised By :Ankita Jodhani 10/14/2024

Integration File: autoint1.e

Quant Time: Oct 14 03:25:17 2024

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M

Quant Title : GC Extractables

Qlast Update : Tue Oct 01 09:13:32 2024

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...	12.943	4641045	41.001 ug/ml
Spiked Amount 50.000		Recovery =	82.00%
Target Compounds			
1) T n-Nonane (C9)	3.277	2975519	23.474 ug/ml
2) T n-Decane (C10)	4.343	3874396	30.141 ug/ml
4) T n-Dodecane (C12)	6.360	4615717	35.571 ug/ml
6) T n-Tetradecane (C14)	8.153	4909470	38.118 ug/ml
7) T n-Hexadecane (C16)	9.752	5009065	37.629 ug/ml
8) T n-Octadecane (C18)	11.192	5168448	38.115 ug/ml
10) T n-Eicosane (C20)	12.501	5332746	40.842 ug/ml
11) T n-Heneicosane (C21)	13.112	5142551	40.096 ug/ml
13) T n-Docosane (C22)	13.697	5136082	40.224 ug/ml
14) T n-Tetracosane (C24)	14.799	5076544	39.694 ug/ml
15) T n-Hexacosane (C26)	15.819	5007723	39.717 ug/ml
16) T n-Octacosane (C28)	16.768	4959465	39.477 ug/ml
17) T n-Tricontane (C30)	17.655	4996459	38.785 ug/ml
18) T n-Dotriacontane (C32)	18.487	4921707	39.396 ug/ml
19) T n-Tetratriacontane (C34)	19.267	4459054	40.805 ug/mlm
20) T n-Hexatriacontane (C36)	20.007	3825406	40.473 ug/ml
21) T n-Octatriacontane (C38)	20.733	3268106	37.265 ug/mlm
22) T n-Tetracontane (C40)	21.620	2932870	34.084 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC101124AL\
Data File : FC067410.D
Signal(s) : FID1A.ch
Acq On : 11 Oct 2024 21:31
Operator : YP/AJ
Sample : PB164054BS
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :

FID_C

Client SampleId :

PB164054BS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/14/2024

Supervised By :Ankita Jodhani 10/14/2024

Integration File: autoint1.e

Quant Time: Oct 14 03:25:17 2024

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M

Quant Title : GC Extractables

QLast Update : Tue Oct 01 09:13:32 2024

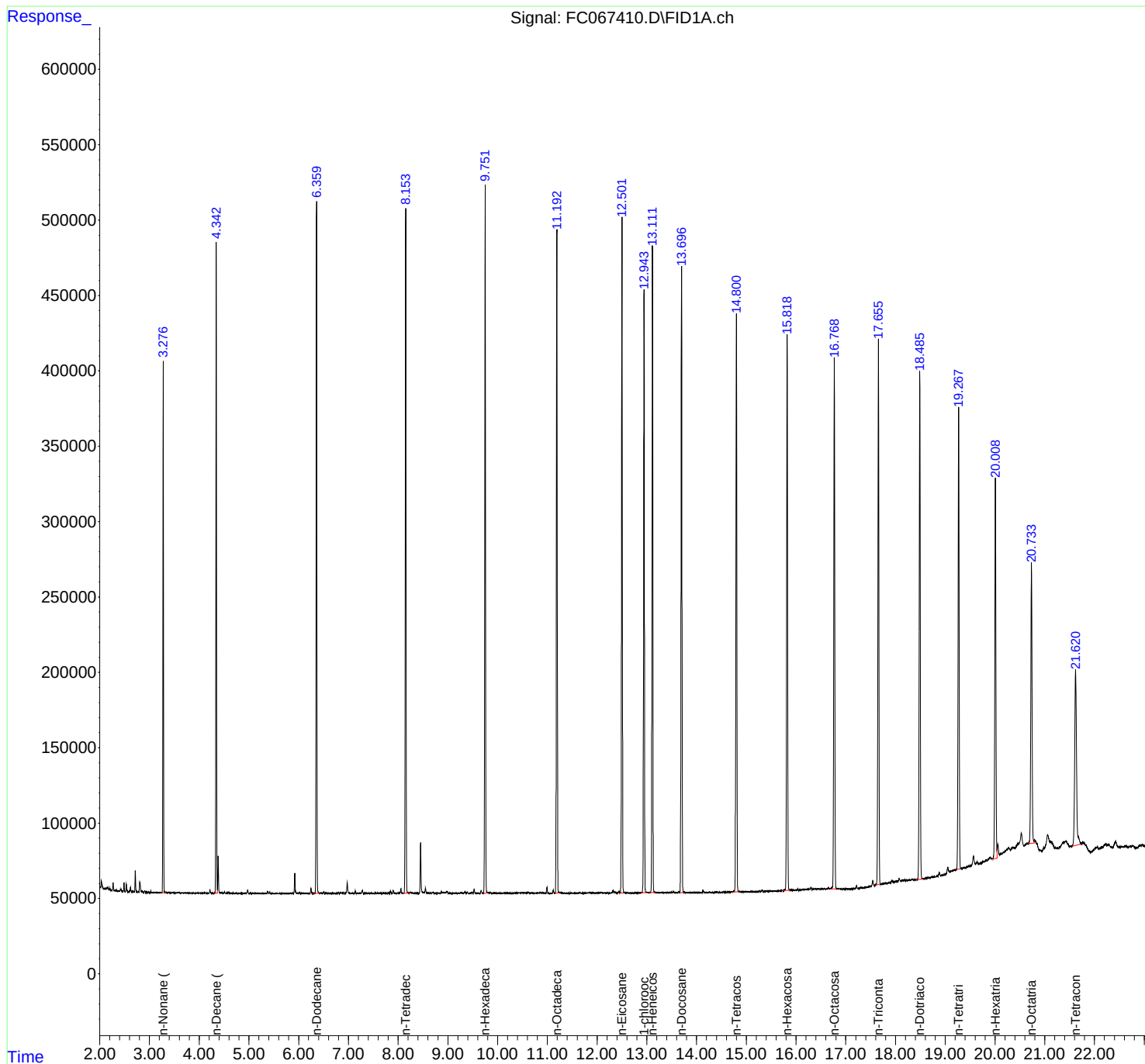
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um



rteres

Instrument :

FID_C

ClientSampleId :

PB164054BS

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/14/2024

Supervised By :Ankita Jodhani 10/14/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC10112
 Data File : FC067410.D
 Signal(s) : FID1A.ch
 Acq On : 11 Oct 2024 21:31
 Sample : PB164054BS
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.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	3.277	3.245	3.332	BB	352951	2975519	55.80%	3.453%
2	4.343	4.285	4.367	BV	432790	3874396	72.65%	4.497%
3	6.360	6.294	6.424	BB	458870	4615717	86.55%	5.357%
4	8.153	8.087	8.230	BB	456613	4909470	92.06%	5.698%
5	9.752	9.714	9.810	BB	470395	5009065	93.93%	5.813%
6	11.192	11.154	11.252	BB	439634	5168448	96.92%	5.998%
7	12.501	12.457	12.559	PB	443099	5332746	100.00%	6.189%
8	12.943	12.880	12.992	BB	397920	4641045	87.03%	5.386%
9	13.112	13.045	13.169	BB	427885	5142551	96.43%	5.968%
10	13.697	13.659	13.759	VB	416380	5136082	96.31%	5.961%
11	14.799	14.705	14.859	BB	379054	5076544	95.20%	5.892%
12	15.819	15.730	15.887	BB	367996	5007723	93.91%	5.812%
13	16.768	16.684	16.829	BB	347615	4959465	93.00%	5.756%
14	17.655	17.587	17.694	BB	361768	4996459	93.69%	5.799%
15	18.487	18.404	18.560	BB	333173	4921707	92.29%	5.712%
16	19.267	19.220	19.309	M	306520	4454784	83.54%	5.170%
17	20.007	19.959	20.040	BV	250982	3825406	71.73%	4.440%
18	20.733	20.684	20.775	M	185260	3205167	60.10%	3.720%
19	21.620	21.561	21.740	M	116467	2912019	54.61%	3.380%
Sum of corrected areas:						86164313		

Aliphatic EPH 100224.M Mon Oct 14 04:43:04 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101124AR\
 Data File : FD048462.D
 Signal(s) : FID2B.ch
 Acq On : 11 Oct 2024 22:07
 Operator : YP/AJ
 Sample : PB164054BS
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Instrument :

FID_D

ClientSampleId :

PB164054BS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/14/2024

Supervised By :Ankita Jodhani 10/14/2024

Integration File: autoint1.e

Quant Time: Oct 14 04:58:41 2024

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M

Quant Title : GC Extractables

QLast Update : Mon Sep 30 14:17:34 2024

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...	7.379	8532621	51.535 ug/ml
Spiked Amount 50.000		Recovery =	103.07%
6) S 2-Fluorobiphenyl (SURR)	8.229	5202838	50.170 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	100.34%
11) S ortho-Terphenyl (SURR)	11.265	7598488	41.297 ug/ml
Spiked Amount 50.000		Recovery =	82.59%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.201	5863751	33.458 ug/ml
2) T Naphthalene (C11.7)	5.718	6928553	37.108 ug/ml
3) T 2-Methylnaphthalene (...)	6.765	6826282	36.120 ug/ml
5) T Acenaphthylene (C15.06)	8.032	7268070	37.886 ug/ml
7) T Acenaphthene (C15.5)	8.327	7597338	40.164 ug/ml
8) T Fluorene (C16.55)	9.105	7570606	41.902 ug/ml
9) T Phenanthrene (C19.36)	10.493	7439510	41.977 ug/ml
10) T Anthracene (C19.43)	10.569	7558949	42.480 ug/ml
12) T Fluoranthene (C21.85)	12.298	7475359	41.329 ug/mlm
13) T Pyrene (C20.8)	12.591	7898948	44.111 ug/ml
14) T Benzo[a]anthracene (C...	14.460	7047085	44.095 ug/ml
15) T Chrysene (C27.41)	14.502	7079733	37.956 ug/ml
16) T benzo[b]fluoranthene ...	16.008	6953481	41.752 ug/ml
17) T Bnezo[k]fluoranthene ...	16.041	6930603	40.829 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.383	6656518	40.727 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.750	6723336	51.112 ug/ml
20) T Dibenz[a,h]anthracene...	17.786	6590993	39.388 ug/ml
21) T Benzo[g,h,i]perylene ...	18.001	6333047	38.991 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101124AR\
Data File : FD048462.D
Signal(s) : FID2B.ch
Acq On : 11 Oct 2024 22:07
Operator : YP/AJ
Sample : PB164054BS
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :

FID_D

ClientSampleId :

PB164054BS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/14/2024

Supervised By :Ankita Jodhani 10/14/2024

Integration File: autoint1.e

Quant Time: Oct 14 04:58:41 2024

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M

Quant Title : GC Extractables

QLast Update : Mon Sep 30 14:17:34 2024

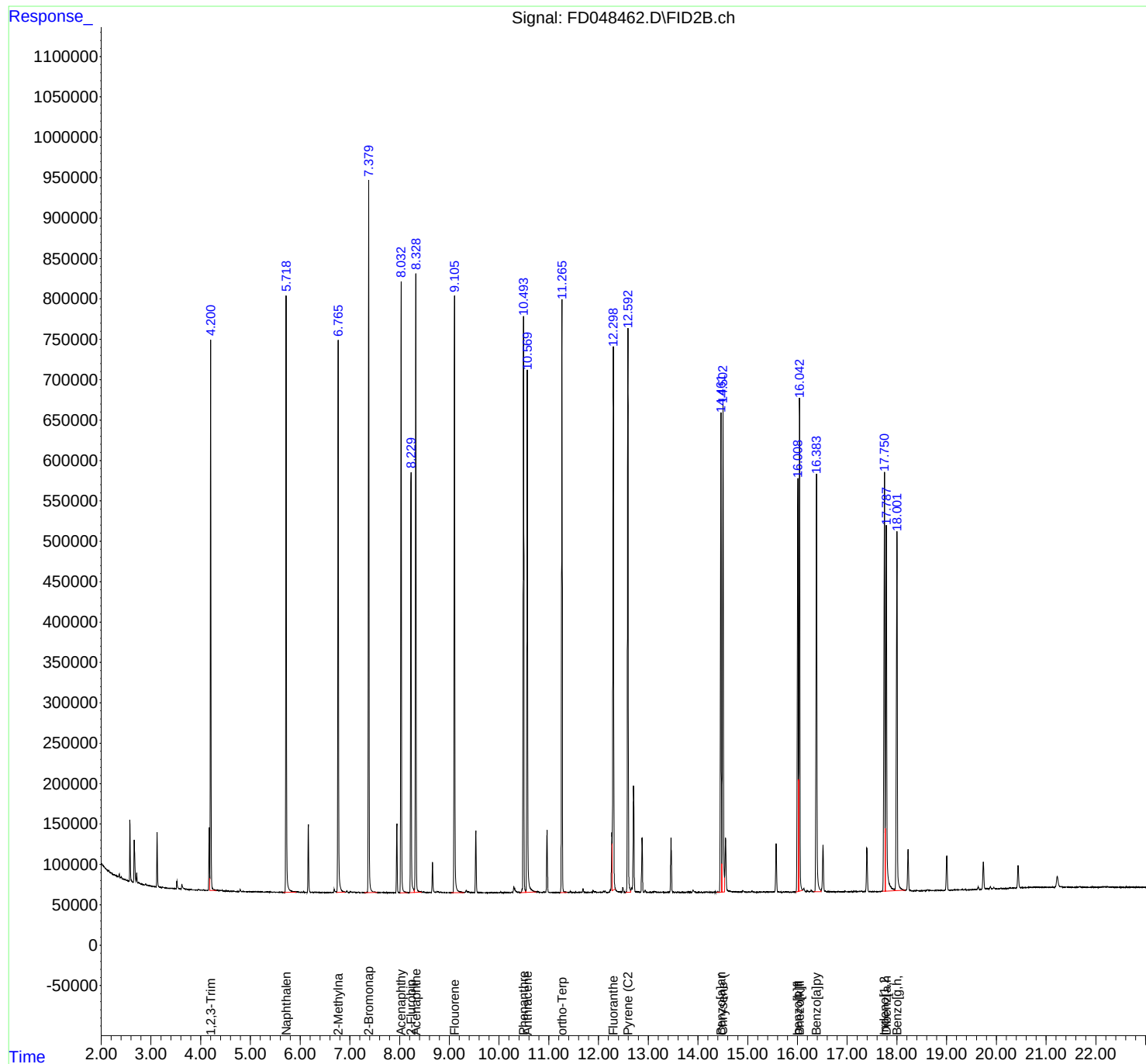
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 µl

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18µm



rters

Instrument :

FID_D

ClientSampleId :

PB164054BS

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/14/2024

Supervised By :Ankita Jodhani 10/14/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD10112

Data File : FD048462.D

Signal(s) : FID2B.ch

Acq On : 11 Oct 2024 22:07

Sample : PB164054BS

Misc :

ALS Vial : 62 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.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	4.201	4.183	4.304	VB	679715	5858944	68.98%	3.939%
2	5.718	5.644	5.888	BB	732812	6876696	80.97%	4.623%
3	6.765	6.734	6.911	VB	679675	6820143	80.30%	4.585%
4	7.379	7.291	7.504	BB	887102	8493178	100.00%	5.710%
5	8.032	8.004	8.158	PB	745739	7253760	85.41%	4.876%
6	8.229	8.158	8.296	BV	524800	5180969	61.00%	3.483%
7	8.327	8.296	8.431	VB	769328	7575857	89.20%	5.093%
8	9.105	9.028	9.251	BB	731999	7538861	88.76%	5.068%
9	10.493	10.418	10.537	BV	719068	7439741	87.60%	5.002%
10	10.569	10.537	10.751	VB	643166	7559178	89.00%	5.082%
11	11.265	11.181	11.364	BB	724321	7586035	89.32%	5.100%
12	12.298	12.161	12.431	BB	673316	8375120	98.61%	5.630%
13	12.591	12.538	12.647	BV	693989	7896586	92.98%	5.309%
14	14.460	14.381	14.479	BV	593965	7040684	82.90%	4.733%
15	14.502	14.479	14.532	VV	591587	7073305	83.28%	4.755%
16	16.008	15.971	16.023	BV	513917	6953481	81.87%	4.675%
17	16.041	16.023	16.107	VV	602682	6930603	81.60%	4.659%
18	16.383	16.324	16.471	BV	509542	6649567	78.29%	4.470%
19	17.750	17.701	17.765	BV	524854	6723336	79.16%	4.520%
20	17.786	17.765	17.961	VV	455252	6590993	77.60%	4.431%
21	18.001	17.961	18.178	VB	443037	6333047	74.57%	4.258%
Sum of corrected areas:						148750083		

Aromatic EPH 093024.M Mon Oct 14 06:23:20 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC101124AL\
 Data File : FC067411.D
 Signal(s) : FID1A.ch
 Acq On : 11 Oct 2024 22:07
 Operator : YP/AJ
 Sample : PB164054BSD
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :

FID_C

ClientSampleId :

PB164054BSD

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/14/2024

Supervised By :Ankita Jodhani 10/14/2024

Integration File: autoint1.e

Quant Time: Oct 14 03:25:28 2024

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M

Quant Title : GC Extractables

Qlast Update : Tue Oct 01 09:13:32 2024

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...	12.944	4391796	38.799 ug/ml
Spiked Amount 50.000		Recovery =	77.60%
Target Compounds			
1) T n-Nonane (C9)	3.276	2973066	23.454 ug/ml
2) T n-Decane (C10)	4.342	3889911	30.262 ug/ml
4) T n-Dodecane (C12)	6.360	4651378	35.845 ug/ml
6) T n-Tetradecane (C14)	8.153	4944243	38.388 ug/ml
7) T n-Hexadecane (C16)	9.752	5038099	37.847 ug/ml
8) T n-Octadecane (C18)	11.192	5183054	38.223 ug/ml
10) T n-Eicosane (C20)	12.501	5336780	40.873 ug/ml
11) T n-Heneicosane (C21)	13.112	5146298	40.125 ug/ml
13) T n-Docosane (C22)	13.697	5129946	40.176 ug/ml
14) T n-Tetracosane (C24)	14.799	5076550	39.694 ug/ml
15) T n-Hexacosane (C26)	15.819	5013846	39.765 ug/ml
16) T n-Octacosane (C28)	16.768	4983828	39.671 ug/ml
17) T n-Tricontane (C30)	17.654	5024232	39.001 ug/ml
18) T n-Dotriacontane (C32)	18.486	4911329	39.313 ug/ml
19) T n-Tetratriacontane (C34)	19.266	4506135	41.236 ug/mlm
20) T n-Hexatriacontane (C36)	20.005	3794924	40.150 ug/mlm
21) T n-Octatriacontane (C38)	20.732	3287683	37.488 ug/mlm
22) T n-Tetracontane (C40)	21.622	2949828	34.281 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC101124AL\
Data File : FC067411.D
Signal(s) : FID1A.ch
Acq On : 11 Oct 2024 22:07
Operator : YP/AJ
Sample : PB164054BSD
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :

FID_C

Client SampleId :

PB164054BSD

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/14/2024

Supervised By :Ankita Jodhani 10/14/2024

Integration File: autoint1.e

Quant Time: Oct 14 03:25:28 2024

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M

Quant Title : GC Extractables

QLast Update : Tue Oct 01 09:13:32 2024

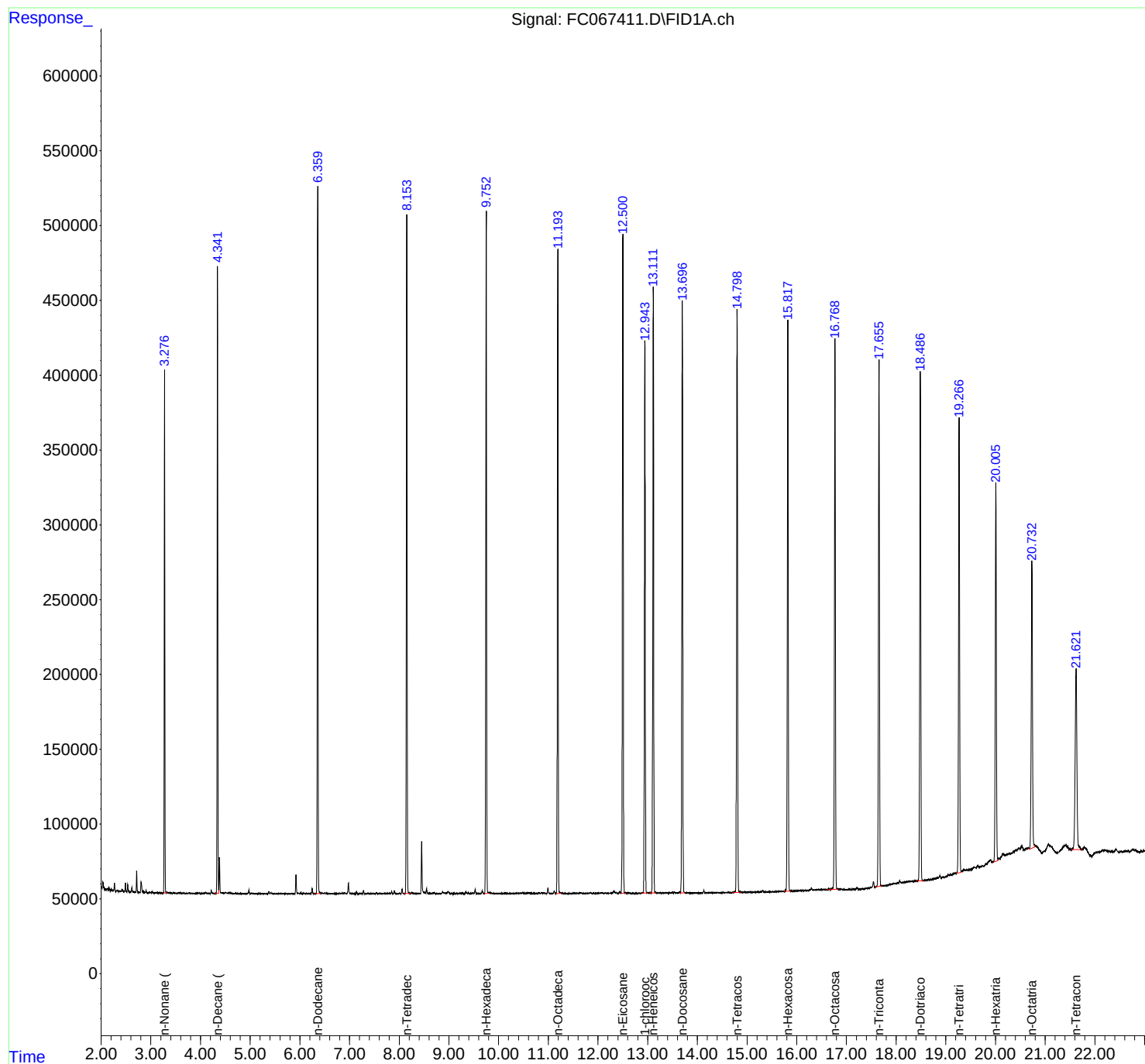
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um



rteres

Instrument :

FID_C

ClientSampleId :

PB164054BSD

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/14/2024

Supervised By :Ankita Jodhani 10/14/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC10112
 Data File : FC067411.D
 Signal(s) : FID1A.ch
 Acq On : 11 Oct 2024 22:07
 Sample : PB164054BSD
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.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	3.276	3.245	3.328	BB	349521	2973066	55.71%	3.450%
2	4.342	4.285	4.366	BV	420386	3889911	72.89%	4.514%
3	6.360	6.293	6.420	BB	472429	4651378	87.16%	5.398%
4	8.153	8.090	8.222	BB	455558	4944243	92.64%	5.737%
5	9.752	9.713	9.807	BB	455639	5038099	94.40%	5.846%
6	11.192	11.153	11.260	BB	431020	5183054	97.12%	6.015%
7	12.501	12.462	12.558	PB	437914	5336780	100.00%	6.193%
8	12.944	12.880	13.002	BB	368911	4391796	82.29%	5.096%
9	13.112	13.043	13.173	BB	405193	5146298	96.43%	5.972%
10	13.697	13.660	13.762	VB	393528	5129946	96.12%	5.953%
11	14.799	14.708	14.870	BB	389944	5076550	95.12%	5.891%
12	15.819	15.735	15.887	BB	376315	5013846	93.95%	5.818%
13	16.768	16.597	16.838	BB	367579	4983828	93.39%	5.783%
14	17.654	17.588	17.718	BB	351220	5024232	94.14%	5.830%
15	18.486	18.415	18.557	BB	338726	4911329	92.03%	5.699%
16	19.266	19.217	19.309	M	304136	4496904	84.26%	5.218%
17	20.005	19.958	20.033	M	252209	3745599	70.18%	4.347%
18	20.732	20.672	20.793	M	192144	3287752	61.61%	3.815%
19	21.622	21.520	21.738	BV	121379	2949828	55.27%	3.423%
Sum of corrected areas:						86174438		

Aliphatic EPH 100224.M Mon Oct 14 04:43:45 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101124AR\
 Data File : FD048463.D
 Signal(s) : FID2B.ch
 Acq On : 11 Oct 2024 22:44
 Operator : YP/AJ
 Sample : PB164054BSD
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Instrument :

FID_D

ClientSampleId :

PB164054BSD

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/14/2024

Supervised By :Ankita Jodhani 10/14/2024

Integration File: autoint1.e

Quant Time: Oct 14 04:58:51 2024

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M

Quant Title : GC Extractables

QLast Update : Mon Sep 30 14:17:34 2024

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...	7.379	8378840	50.607 ug/ml
Spiked Amount 50.000		Recovery =	101.21%
6) S 2-Fluorobiphenyl (SURR)	8.229	5106679	49.243 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	98.49%
11) S ortho-Terphenyl (SURR)	11.265	7452371	40.503 ug/ml
Spiked Amount 50.000		Recovery =	81.01%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.201	5739792	32.751 ug/ml
2) T Naphthalene (C11.7)	5.719	6729568	36.042 ug/ml
3) T 2-Methylnaphthalene (...)	6.766	6680058	35.346 ug/ml
5) T Acenaphthylene (C15.06)	8.032	7121798	37.123 ug/ml
7) T Acenaphthene (C15.5)	8.327	7439665	39.331 ug/ml
8) T Fluorene (C16.55)	9.105	7374005	40.814 ug/ml
9) T Phenanthrene (C19.36)	10.493	7289928	41.133 ug/ml
10) T Anthracene (C19.43)	10.568	7434995	41.783 ug/ml
12) T Fluoranthene (C21.85)	12.297	7358324	40.682 ug/mlm
13) T Pyrene (C20.8)	12.591	7766872	43.374 ug/ml
14) T Benzo[a]anthracene (C...	14.460	6949322	43.484 ug/ml
15) T Chrysene (C27.41)	14.503	6981824	37.431 ug/ml
16) T benzo[b]fluoranthene ...	16.008	6830078	41.011 ug/ml
17) T Bnezo[k]fluoranthene ...	16.041	6865334	40.444 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.383	6559635	40.134 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.749	6594316	50.132 ug/ml
20) T Dibenz[a,h]anthracene...	17.786	6514510	38.931 ug/ml
21) T Benzo[g,h,i]perylene ...	18.000	6240587	38.421 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101124AR\
Data File : FD048463.D
Signal(s) : FID2B.ch
Acq On : 11 Oct 2024 22:44
Operator : YP/AJ
Sample : PB164054BSD
Misc :
ALS Vial : 63 Sample Multiplier: 1

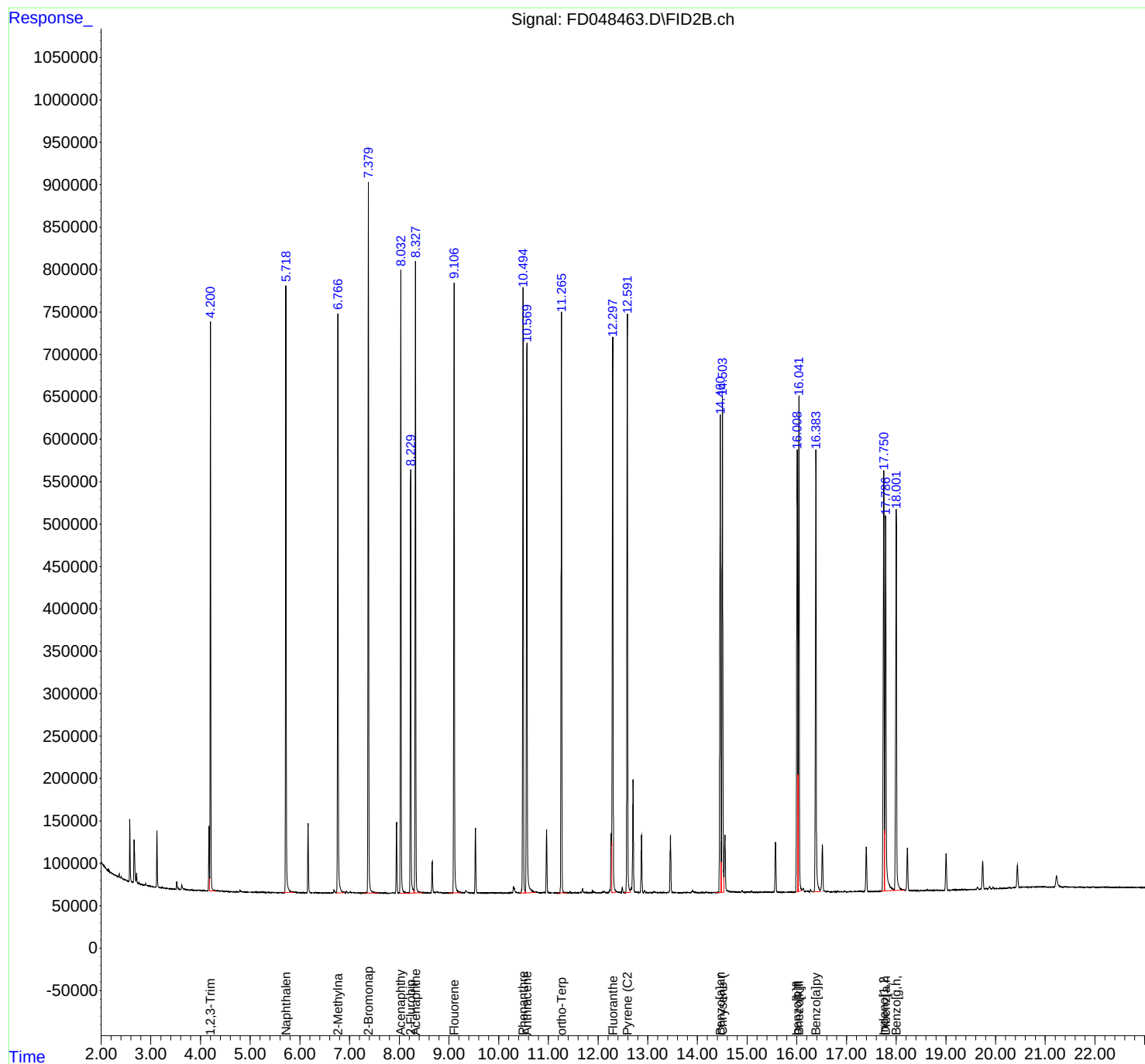
Instrument :
FID_D
ClientSampleId :
PB164054BSD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024

Integration File: autoint1.e
Quant Time: Oct 14 04:58:51 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 30 14:17:34 2024
Response via : Initial Calibration
Integrator: ChemStation

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



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Instrument :

FID_D

ClientSampleId :

PB164054BSD

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/14/2024

Supervised By :Ankita Jodhani 10/14/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD10112

Data File : FD048463.D

Signal(s) : FID2B.ch

Acq On : 11 Oct 2024 22:44

Sample : PB164054BSD

Misc :

ALS Vial : 63 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.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	4.201	4.183	4.304	VB	666870	5739395	68.87%	3.930%
2	5.719	5.658	5.861	BB	712615	6707135	80.48%	4.593%
3	6.766	6.734	6.904	VB	674772	6674861	80.09%	4.570%
4	7.379	7.288	7.518	BB	826351	8334194	100.00%	5.707%
5	8.032	8.001	8.154	PB	725857	7095685	85.14%	4.859%
6	8.229	8.161	8.301	BV	504144	5080360	60.96%	3.479%
7	8.327	8.301	8.444	VB	747594	7416672	88.99%	5.078%
8	9.105	9.028	9.254	BB	709541	7381634	88.57%	5.054%
9	10.493	10.384	10.536	BV	721869	7263214	87.15%	4.973%
10	10.568	10.536	10.751	VV	646530	7417721	89.00%	5.079%
11	11.265	11.181	11.348	BB	685037	7439269	89.26%	5.094%
12	12.297	12.168	12.428	BB	659853	8214675	98.57%	5.625%
13	12.591	12.534	12.648	BV	684410	7764099	93.16%	5.316%
14	14.460	14.384	14.479	BV	565005	6940606	83.28%	4.752%
15	14.503	14.479	14.532	VV	595255	6976913	83.71%	4.777%
16	16.008	15.971	16.022	BV	519913	6830078	81.95%	4.677%
17	16.041	16.022	16.107	VV	582855	6865334	82.38%	4.701%
18	16.383	16.308	16.472	BV	528164	6552911	78.63%	4.487%
19	17.749	17.701	17.765	BV	483467	6594316	79.12%	4.515%
20	17.786	17.765	17.958	VV	449446	6514768	78.17%	4.461%
21	18.000	17.958	18.178	VB	454885	6240329	74.88%	4.273%
Sum of corrected areas:						146044168		

Aromatic EPH 093024.M Mon Oct 14 06:23:57 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\F101124AL\
 Data File : FC067417.D
 Signal(s) : FID1A.ch
 Acq On : 12 Oct 2024 01:50
 Operator : YP/AJ
 Sample : P4258-03MS
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :

FID_C

ClientSampleId :

Chamberlain AveMS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/14/2024

Supervised By :Ankita Jodhani 10/14/2024

Integration File: autoint1.e

Quant Time: Oct 14 03:26:29 2024

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M

Quant Title : GC Extractables

Qlast Update : Tue Oct 01 09:13:32 2024

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...	12.942	2825735	24.964 ug/ml
Spiked Amount 50.000		Recovery =	49.93%
Target Compounds			
1) T n-Nonane (C9)	3.276	3119774	24.612 ug/ml
2) T n-Decane (C10)	4.342	3814667	29.676 ug/ml
4) T n-Dodecane (C12)	6.359	4281840	32.998 ug/ml
6) T n-Tetradecane (C14)	8.153	4550664	35.332 ug/ml
7) T n-Hexadecane (C16)	9.752	4788294	35.970 ug/ml
8) T n-Octadecane (C18)	11.192	5001743	36.885 ug/ml
10) T n-Eicosane (C20)	12.500	5089832	38.982 ug/ml
11) T n-Heneicosane (C21)	13.112	4907863	38.266 ug/ml
13) T n-Docosane (C22)	13.697	4895767	38.342 ug/ml
14) T n-Tetracosane (C24)	14.799	4852829	37.945 ug/ml
15) T n-Hexacosane (C26)	15.818	4810559	38.153 ug/ml
16) T n-Octacosane (C28)	16.768	4785460	38.092 ug/ml
17) T n-Tricontane (C30)	17.653	4856449	37.698 ug/ml
18) T n-Dotriacontane (C32)	18.485	4822889	38.605 ug/mlm
19) T n-Tetratriacontane (C34)	19.267	4790118	43.834 ug/mlm
20) T n-Hexatriacontane (C36)	20.008	4660090	49.304 ug/ml
21) T n-Octatriacontane (C38)	20.733	4480511	51.089 ug/mlm
22) T n-Tetracontane (C40)	21.623	4338434	50.419 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC101124AL\
Data File : FC067417.D
Signal(s) : FID1A.ch
Acq On : 12 Oct 2024 01:50
Operator : YP/AJ
Sample : P4258-03MS
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :

FID_C

Client SampleId :

Chamberlain AveMS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/14/2024

Supervised By :Ankita Jodhani 10/14/2024

Integration File: autoint1.e

Quant Time: Oct 14 03:26:29 2024

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M

Quant Title : GC Extractables

QLast Update : Tue Oct 01 09:13:32 2024

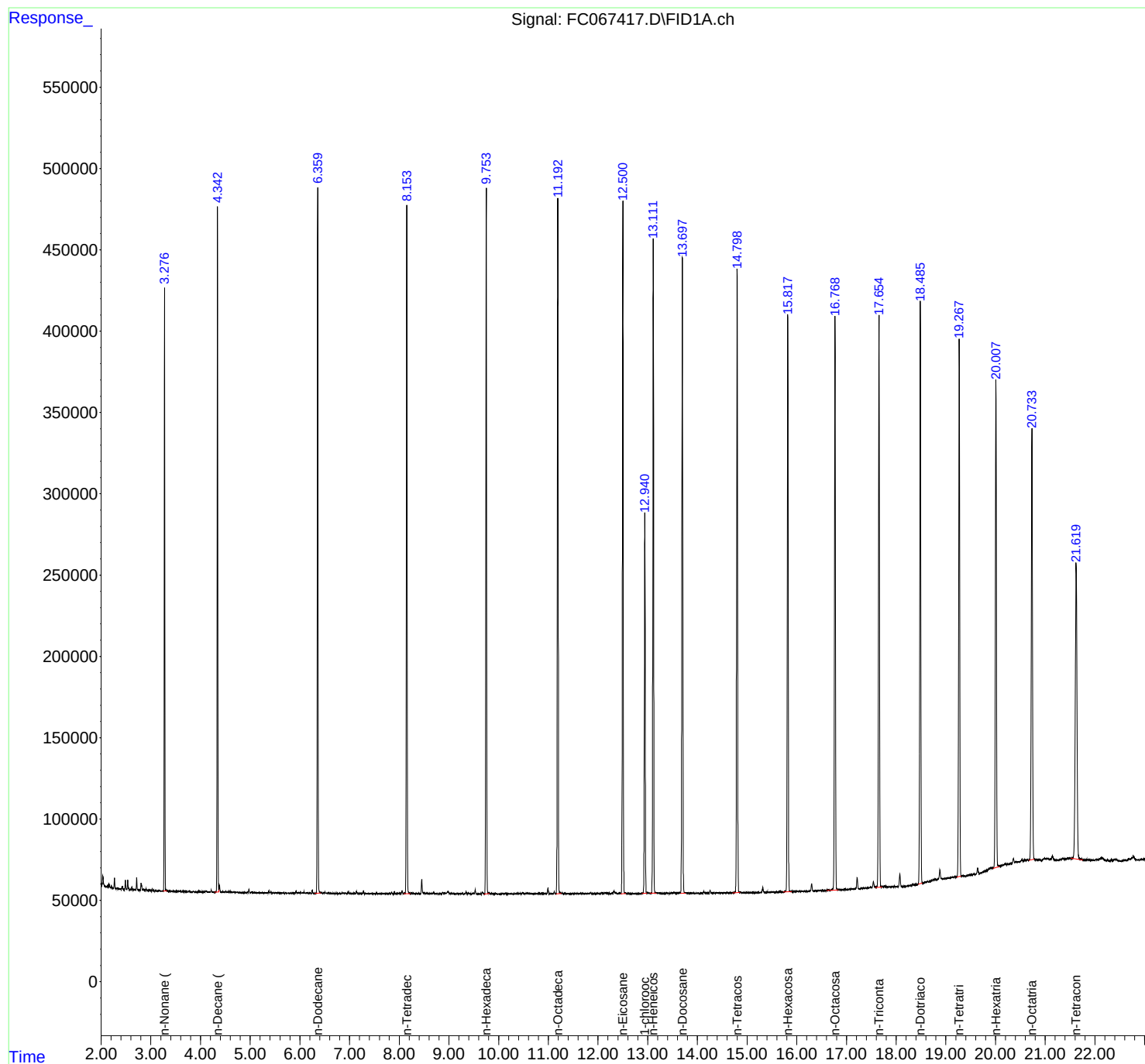
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um



Instrument :

FID_C

ClientSampleId :

Chamberlain AveMS

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Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/14/2024

Supervised By :Ankita Jodhani 10/14/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC10112
 Data File : FC067417.D
 Signal(s) : FID1A.ch
 Acq On : 12 Oct 2024 01:50
 Sample : P4258-03MS
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.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	3.276	3.245	3.327	BB	371030	3119774	61.29%	3.604%
2	4.342	4.282	4.370	BV	420712	3814667	74.95%	4.407%
3	4.382	4.370	4.422	VB	4233	42768	0.84%	0.049%
4	6.359	6.294	6.427	BB	430947	4281840	84.13%	4.947%
5	8.153	8.089	8.229	BB	422478	4550664	89.41%	5.257%
6	8.454	8.400	8.520	BB	8671	103519	2.03%	0.120%
7	9.752	9.709	9.817	BB	433770	4788294	94.08%	5.532%
8	10.993	10.937	11.034	BB	3582	43856	0.86%	0.051%
9	11.192	11.152	11.264	BB	427535	5001743	98.27%	5.778%
10	12.500	12.464	12.562	PB	425791	5089832	100.00%	5.880%
11	12.942	12.884	12.984	BB	232595	2825735	55.52%	3.265%
12	13.112	13.040	13.175	BB	401982	4907863	96.42%	5.670%
13	13.697	13.660	13.765	PB	390438	4895767	96.19%	5.656%
14	14.799	14.705	14.860	BB	381500	4852829	95.34%	5.606%
15	15.818	15.725	15.894	BB	353231	4810559	94.51%	5.558%
16	16.297	16.244	16.330	BB	4619	61008	1.20%	0.070%
17	16.768	16.597	16.839	BB	354086	4785460	94.02%	5.529%
18	17.214	17.157	17.255	BB	6910	97452	1.91%	0.113%
19	17.541	17.487	17.574	BB	3604	48975	0.96%	0.057%
20	17.653	17.587	17.720	BB	350903	4856449	95.41%	5.611%
21	18.073	18.014	18.105	BB	7734	111520	2.19%	0.129%
22	18.485	18.295	18.534	BB	359733	4816673	94.63%	5.565%
23	18.879	18.594	18.927	BB	5989	147780	2.90%	0.171%
24	19.268	19.089	19.325	BB	326863	4808840	94.48%	5.556%
25	19.640	19.387	19.669	BB	3492	51196	1.01%	0.059%
26	19.909	19.699	19.939	BB	1052	35859	0.70%	0.041%
27	20.008	19.955	20.082	BB	297878	4660090	91.56%	5.384%
28	20.359	20.104	20.385	BB	2633	68456	1.34%	0.079%
29	20.732	20.554	20.802	VB	264044	4540706	89.21%	5.246%
30	21.623	21.510	21.760	BB	179663	4338434	85.24%	5.012%

Sum of corrected areas: 86558607

Aliphatic EPH 100224.M Mon Oct 14 04:49:19 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101124AR\
 Data File : FD048469.D
 Signal(s) : FID2B.ch
 Acq On : 12 Oct 2024 02:27
 Operator : YP/AJ
 Sample : P4258-03MS
 Misc :
 ALS Vial : 69 Sample Multiplier: 1

Instrument :

FID_D

ClientSampleId :

Chamberlain AveMS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/14/2024

Supervised By :Ankita Jodhani 10/14/2024

Integration File: autoint1.e

Quant Time: Oct 14 04:59:47 2024

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M

Quant Title : GC Extractables

QLast Update : Mon Sep 30 14:17:34 2024

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...	7.380	9165846	55.360 ug/ml
Spiked Amount 50.000		Recovery =	110.72%
6) S 2-Fluorobiphenyl (SURR)	8.230	6055741	58.394 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	116.79%
11) S ortho-Terphenyl (SURR)	11.264	6078564	33.036 ug/ml
Spiked Amount 50.000		Recovery =	66.07%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.201	6804296	38.825 ug/ml
2) T Naphthalene (C11.7)	5.718	7636087	40.897 ug/ml
3) T 2-Methylnaphthalene (...)	6.766	7461129	39.479 ug/ml
5) T Acenaphthylene (C15.06)	8.033	8007428	41.740 ug/ml
7) T Acenaphthene (C15.5)	8.328	8415054	44.487 ug/ml
8) T Fluorene (C16.55)	9.106	8517431	47.143 ug/ml
9) T Phenanthrene (C19.36)	10.494	8621800	48.647 ug/ml
10) T Anthracene (C19.43)	10.570	8690793	48.841 ug/ml
12) T Fluoranthene (C21.85)	12.299	8849333	48.926 ug/mlm
13) T Pyrene (C20.8)	12.593	9176010	51.243 ug/ml
14) T Benzo[a]anthracene (C...	14.461	8197557	51.294 ug/ml
15) T Chrysene (C27.41)	14.506	8265398	44.312 ug/ml
16) T benzo[b]fluoranthene ...	16.011	8075583	48.490 ug/ml
17) T Bnezo[k]fluoranthene ...	16.045	7987793	47.057 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.386	7704771	47.140 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.754	8259381	62.790 ug/ml
20) T Dibenz[a,h]anthracene...	17.791	7749069	46.309 ug/ml
21) T Benzo[g,h,i]perylene ...	18.006	7388593	45.489 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101124AR\
Data File : FD048469.D
Signal(s) : FID2B.ch
Acq On : 12 Oct 2024 02:27
Operator : YP/AJ
Sample : P4258-03MS
Misc :
ALS Vial : 69 Sample Multiplier: 1

Instrument :

FID_D

Client SampleId :

Chamberlain AveMS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/14/2024

Supervised By :Ankita Jodhani 10/14/2024

Integration File: autoint1.e

Quant Time: Oct 14 04:59:47 2024

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M

Quant Title : GC Extractables

QLast Update : Mon Sep 30 14:17:34 2024

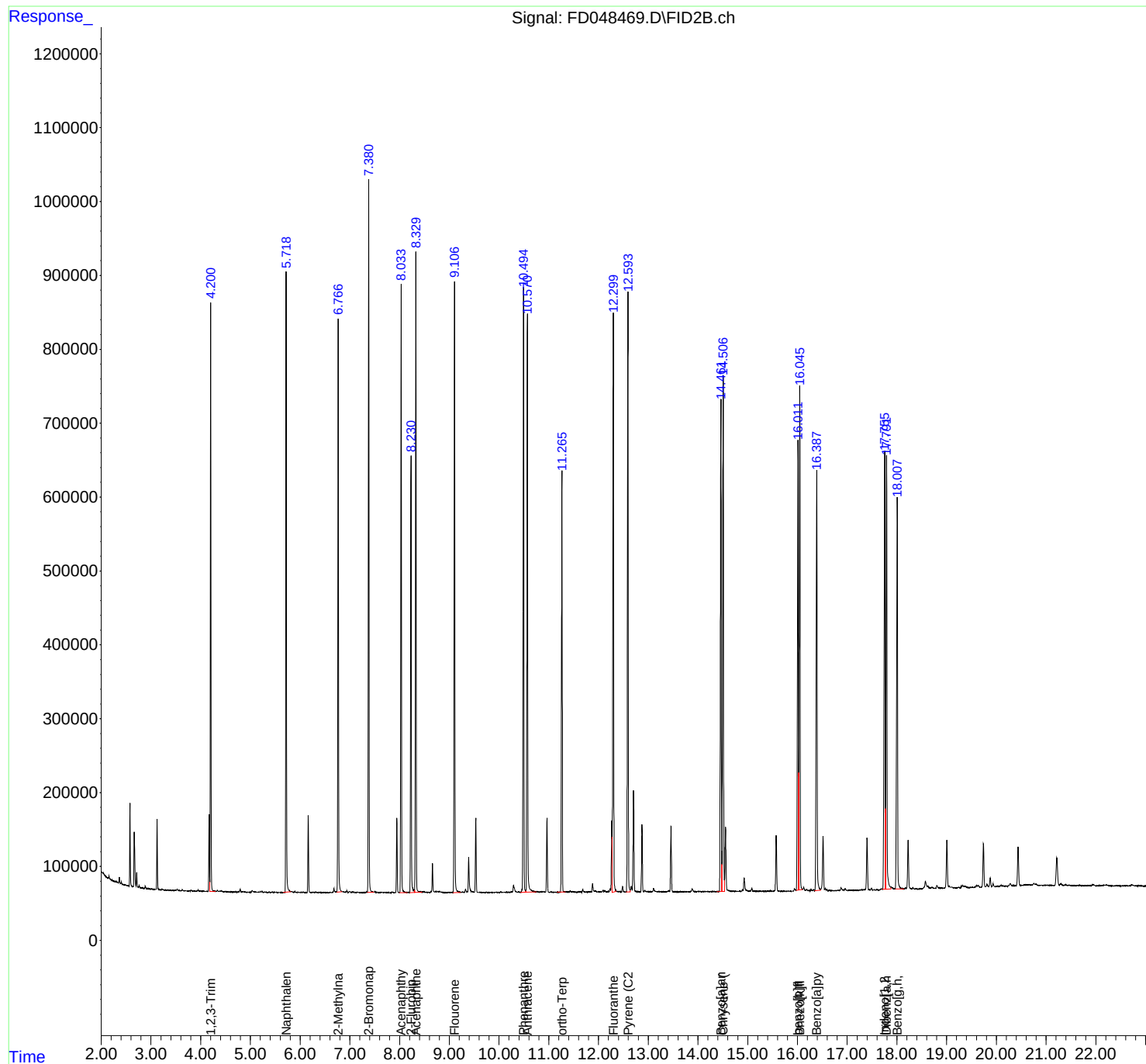
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 µl

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18µm



rteres

Instrument :

FID_D

ClientSampleId :

Chamberlain AveMS

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/14/2024

Supervised By :Ankita Jodhani 10/14/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD10112
Data File : FD048469.D
Signal(s) : FID2B.ch
Acq On : 12 Oct 2024 02:27
Sample : P4258-03MS
Misc :
ALS Vial : 69 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.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	4.170	4.108	4.183	BV	103271	898789	9.13%	0.492%
2	4.201	4.183	4.298	VB	796043	6801152	69.09%	3.723%
3	5.719	5.644	5.816	BV	833664	7633400	77.55%	4.178%
4	6.164	6.094	6.228	BB	104114	1012676	10.29%	0.554%
5	6.766	6.734	6.901	VV	764105	7521085	76.40%	4.117%
6	7.380	7.350	7.484	VV	971298	9168688	93.14%	5.019%
7	7.946	7.878	7.994	BV	100891	1043520	10.60%	0.571%
8	8.033	7.994	8.154	PB	812459	8006061	81.33%	4.382%
9	8.230	8.194	8.301	BV	598449	6048558	61.45%	3.311%
10	8.328	8.301	8.418	VB	856218	8388005	85.21%	4.591%
11	8.662	8.478	8.718	BV	38357	334909	3.40%	0.183%
12	9.106	9.061	9.231	BB	818482	8479551	86.14%	4.641%
13	9.390	9.351	9.501	VV	47061	623848	6.34%	0.341%
14	9.533	9.501	9.568	VB	100351	1069742	10.87%	0.586%
15	10.292	10.161	10.368	BV	9281	181790	1.85%	0.100%
16	10.494	10.424	10.537	BV	820830	8620790	87.58%	4.719%
17	10.570	10.537	10.748	VB	790610	8689099	88.27%	4.756%
18	10.965	10.924	11.018	BV	99836	1096669	11.14%	0.600%
19	11.264	11.074	11.334	BB	570261	6066554	61.63%	3.321%
20	11.881	11.751	11.918	BV	10600	117361	1.19%	0.064%
21	12.299	12.154	12.411	PB	767711	9843723	100.00%	5.388%
22	12.483	12.411	12.554	BV	7037	76502	0.78%	0.042%
23	12.593	12.554	12.639	PV	827107	9171211	93.17%	5.020%
24	12.705	12.677	12.778	VB	137353	1595559	16.21%	0.873%
25	12.874	12.781	12.911	BV	91258	1047580	10.64%	0.573%
26	13.458	13.427	13.534	VB	88931	1051844	10.69%	0.576%
27	14.461	14.381	14.480	BV	668209	8190942	83.21%	4.483%
28	14.506	14.480	14.532	VV	691157	8258293	83.89%	4.520%
29	14.554	14.532	14.654	VB	87343	1169907	11.88%	0.640%
30	14.929	14.905	15.038	VB	18092	296464	3.01%	0.162%
31	15.572	15.381	15.648	BB	75798	993033	10.09%	0.544%
32	16.011	15.971	16.025	BV	612214	8075583	82.04%	4.420%
33	16.045	16.025	16.102	VV	674876	7987793	81.15%	4.372%
34	16.386	16.348	16.461	PV	576892	7702978	78.25%	4.216%
35	16.514	16.461	16.544	VV	72164	994323	10.10%	0.544%
36	17.398	17.184	17.458	BV	70324	977885	9.93%	0.535%

Chamberlain AveMS

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37	17.754	17.701	17.769	BV	587984	8259381	83.91%	4.521%
38	17.791	17.769	17.958	VV	587701	7810938	79.91%	4.521%
39	18.006	17.958	18.144	VV	525405	7389324	75.91%	4.521%
Sum of corrected areas:							1826	

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024

Aromatic EPH 093024.M Mon Oct 14 06:26:50 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC101124AL\
 Data File : FC067418.D
 Signal(s) : FID1A.ch
 Acq On : 12 Oct 2024 02:27
 Operator : YP/AJ
 Sample : P4258-03MSD
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :

FID_C

ClientSampleId :

Chamberlain AveMSD

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/14/2024

Supervised By :Ankita Jodhani 10/14/2024

Integration File: autoint1.e

Quant Time: Oct 14 03:26:40 2024

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M

Quant Title : GC Extractables

Qlast Update : Tue Oct 01 09:13:32 2024

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...	12.941	2940829	25.981 ug/ml
Spiked Amount 50.000		Recovery =	51.96%
Target Compounds			
1) T n-Nonane (C9)	3.276	3148648	24.840 ug/ml
2) T n-Decane (C10)	4.342	3838839	29.864 ug/ml
4) T n-Dodecane (C12)	6.359	4304922	33.176 ug/ml
6) T n-Tetradecane (C14)	8.153	4571910	35.497 ug/ml
7) T n-Hexadecane (C16)	9.751	4810404	36.136 ug/ml
8) T n-Octadecane (C18)	11.192	5031659	37.106 ug/ml
10) T n-Eicosane (C20)	12.500	5127221	39.268 ug/ml
11) T n-Heneicosane (C21)	13.111	4946452	38.567 ug/ml
13) T n-Docosane (C22)	13.696	4939391	38.683 ug/ml
14) T n-Tetracosane (C24)	14.798	4904695	38.350 ug/ml
15) T n-Hexacosane (C26)	15.817	4867369	38.604 ug/ml
16) T n-Octacosane (C28)	16.766	4829786	38.445 ug/ml
17) T n-Tricontane (C30)	17.654	4880170	37.882 ug/ml
18) T n-Dotriacontane (C32)	18.486	4843435	38.770 ug/ml
19) T n-Tetratriacontane (C34)	19.268	4805984	43.980 ug/ml
20) T n-Hexatriacontane (C36)	20.007	4692072	49.642 ug/ml
21) T n-Octatriacontane (C38)	20.731	4521166	51.553 ug/mlm
22) T n-Tetracontane (C40)	21.622	4337947	50.413 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC101124AL\
Data File : FC067418.D
Signal(s) : FID1A.ch
Acq On : 12 Oct 2024 02:27
Operator : YP/AJ
Sample : P4258-03MSD
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :

FID_C

Client Sample Id :

Chamberlain AveMSD

Manual Integrations

APPROVED

Reviewed By : Yogesh Patel 10/14/2024

Supervised By : Ankita Jodhani 10/14/2024

Integration File: autoint1.e

Quant Time: Oct 14 03:26:40 2024

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M

Quant Title : GC Extractables

QLast Update : Tue Oct 01 09:13:32 2024

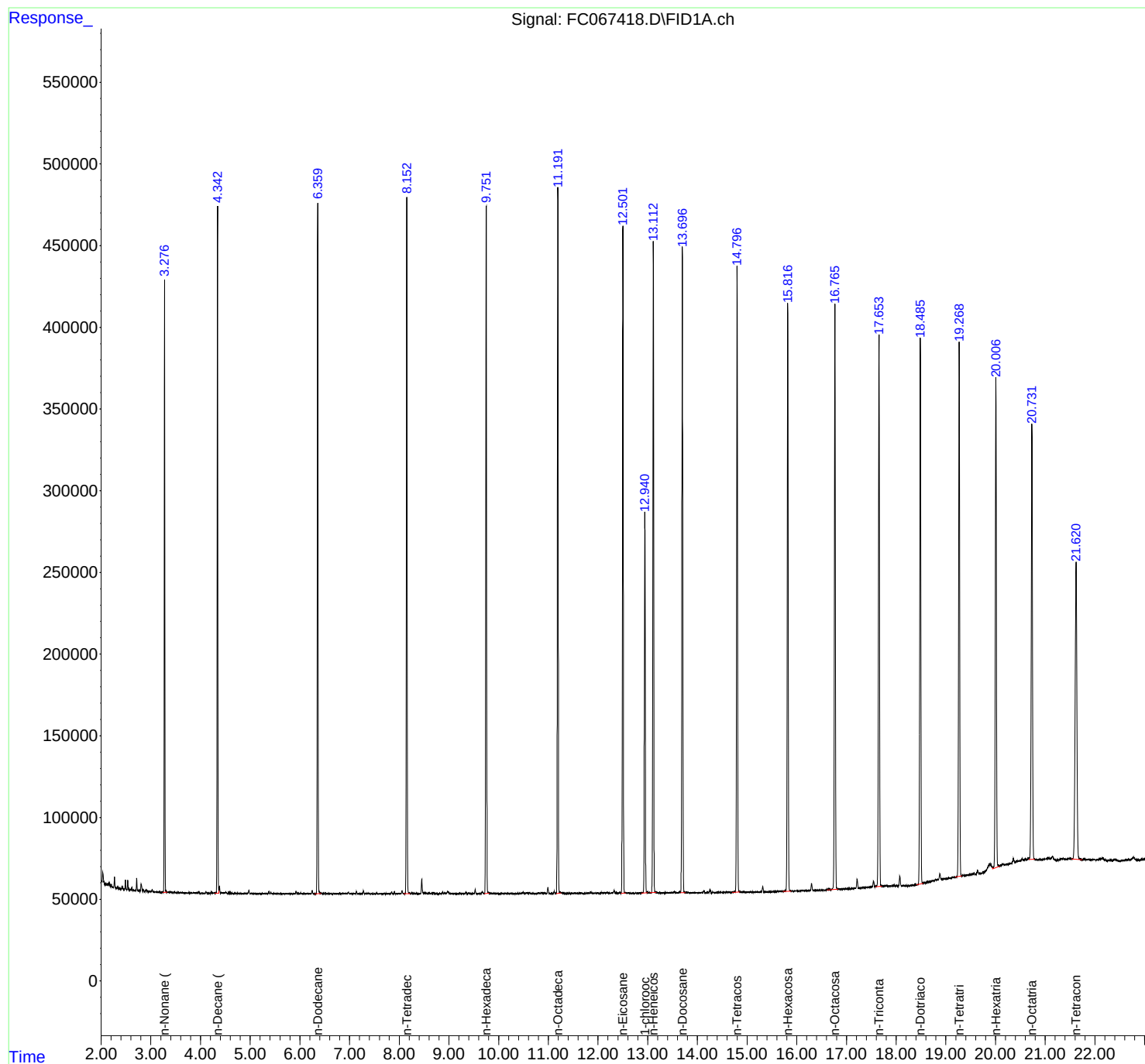
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um



Instrument :

FID_C

ClientSampleId :

Chamberlain AveMSD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC10112
 Data File : FC067418.D
 Signal(s) : FID1A.ch
 Acq On : 12 Oct 2024 02:27
 Sample : P4258-03MSD
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.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	3.276	3.245	3.334	BB	374259	3148648	61.41%	3.614%
2	4.342	4.284	4.370	BV	418755	3838839	74.87%	4.406%
3	4.382	4.370	4.412	VB	4236	42710	0.83%	0.049%
4	6.359	6.294	6.429	BB	422557	4304922	83.96%	4.941%
5	8.153	8.089	8.219	BB	426277	4571910	89.17%	5.247%
6	8.454	8.344	8.492	BB	8512	80935	1.58%	0.093%
7	9.751	9.707	9.807	BB	421991	4810404	93.82%	5.521%
8	10.993	10.944	11.029	BB	3773	42515	0.83%	0.049%
9	11.192	11.154	11.259	BB	429944	5031659	98.14%	5.775%
10	12.500	12.464	12.559	PB	404869	5127221	100.00%	5.885%
11	12.941	12.870	13.004	BB	232586	2940829	57.36%	3.375%
12	13.111	13.044	13.174	BB	399827	4946452	96.47%	5.677%
13	13.696	13.659	13.762	PB	395523	4939391	96.34%	5.669%
14	14.798	14.705	14.857	BB	381262	4904695	95.66%	5.629%
15	15.817	15.725	15.889	BB	359791	4867369	94.93%	5.586%
16	16.296	16.237	16.329	BB	4340	59701	1.16%	0.069%
17	16.766	16.609	16.832	BB	357118	4829786	94.20%	5.543%
18	17.214	17.160	17.257	BB	5673	82516	1.61%	0.095%
19	17.542	17.487	17.574	BB	3577	48642	0.95%	0.056%
20	17.654	17.589	17.715	BB	334935	4880170	95.18%	5.601%
21	18.072	18.019	18.107	BB	5958	82120	1.60%	0.094%
22	18.486	18.412	18.547	BB	333421	4843435	94.47%	5.559%
23	18.879	18.757	18.920	BB	3640	64730	1.26%	0.074%
24	19.268	19.192	19.327	BB	327271	4805984	93.73%	5.516%
25	19.885	19.705	19.942	BV	3530	175020	3.41%	0.201%
26	20.007	19.942	20.085	VB	298924	4692072	91.51%	5.385%
27	20.358	20.087	20.394	BB	2532	50141	0.98%	0.058%
28	20.732	20.560	20.817	BB	265727	4578847	89.30%	5.255%
29	21.622	21.525	21.744	BB	181263	4337947	84.61%	4.979%
Sum of corrected areas:						87129611		

Aliphatic EPH 100224.M Mon Oct 14 04:49:32 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101124AR\
 Data File : FD048470.D
 Signal(s) : FID2B.ch
 Acq On : 12 Oct 2024 03:04
 Operator : YP/AJ
 Sample : P4258-03MSD
 Misc :
 ALS Vial : 70 Sample Multiplier: 1

Instrument :

FID_D

ClientSampleId :

Chamberlain AveMSD

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/14/2024

Supervised By :Ankita Jodhani 10/14/2024

Integration File: autoint1.e

Quant Time: Oct 14 04:59:57 2024

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M

Quant Title : GC Extractables

QLast Update : Mon Sep 30 14:17:34 2024

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...	7.379	9001040	54.365 ug/ml
Spiked Amount 50.000		Recovery =	108.73%
6) S 2-Fluorobiphenyl (SURR)	8.230	5945022	57.327 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	114.65%
11) S ortho-Terphenyl (SURR)	11.264	5967413	32.432 ug/ml
Spiked Amount 50.000		Recovery =	64.86%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.201	6669548	38.056 ug/ml
2) T Naphthalene (C11.7)	5.719	7500518	40.171 ug/ml
3) T 2-Methylnaphthalene (...)	6.766	7379606	39.048 ug/ml
5) T Acenaphthylene (C15.06)	8.032	7873521	41.042 ug/ml
7) T Acenaphthene (C15.5)	8.328	8259491	43.665 ug/ml
8) T Flouorene (C16.55)	9.106	8333993	46.127 ug/ml
9) T Phenanthrene (C19.36)	10.494	8468422	47.782 ug/ml
10) T Anthracene (C19.43)	10.569	8539180	47.989 ug/ml
12) T Fluoranthene (C21.85)	12.299	8598419	47.538 ug/mlm
13) T Pyrene (C20.8)	12.592	9012549	50.330 ug/ml
14) T Benzo[a]anthracene (C...	14.461	8079417	50.555 ug/ml
15) T Chrysene (C27.41)	14.505	8146970	43.677 ug/ml
16) T benzo[b]fluoranthene ...	16.010	7937093	47.658 ug/ml
17) T Bnezo[k]fluoranthene ...	16.046	7890783	46.485 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.386	7585273	46.409 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.753	8136296	61.854 ug/ml
20) T Dibenz[a,h]anthracene...	17.791	7663610	45.798 ug/ml
21) T Benzo[g,h,i]perylene ...	18.005	7276693	44.800 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101124AR\
Data File : FD048470.D
Signal(s) : FID2B.ch
Acq On : 12 Oct 2024 03:04
Operator : YP/AJ
Sample : P4258-03MSD
Misc :
ALS Vial : 70 Sample Multiplier: 1

Instrument :

FID_D

Client SampleId :

Chamberlain AveMSD

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/14/2024

Supervised By :Ankita Jodhani 10/14/2024

Integration File: autoint1.e

Quant Time: Oct 14 04:59:57 2024

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M

Quant Title : GC Extractables

QLast Update : Mon Sep 30 14:17:34 2024

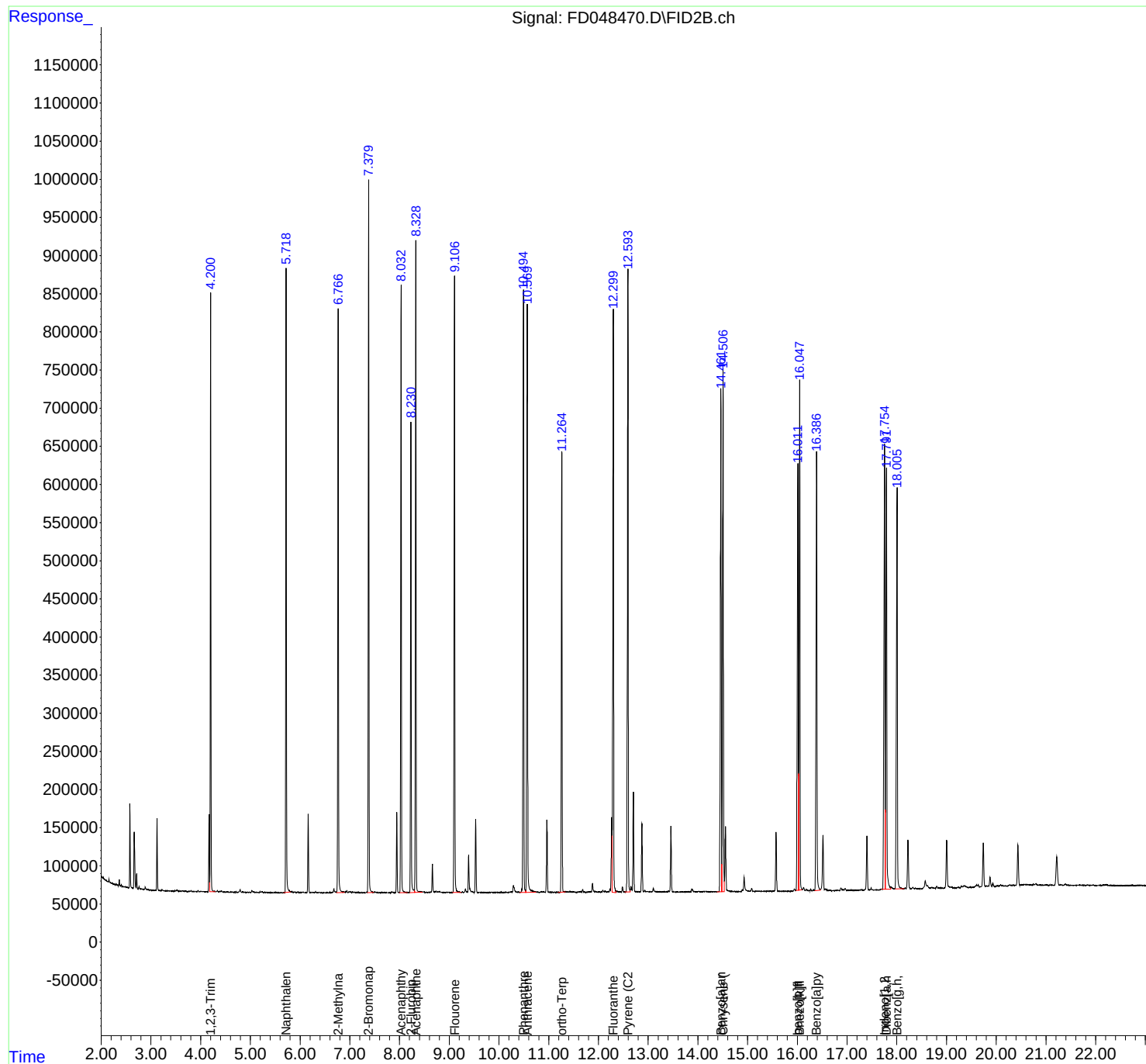
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 µl

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18µm



rteres

Instrument :

FID_D

ClientSampleId :

Chamberlain AveMSD

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/14/2024

Supervised By :Ankita Jodhani 10/14/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD10112

Data File : FD048470.D

Signal(s) : FID2B.ch

Acq On : 12 Oct 2024 03:04

Sample : P4258-03MSD

Misc :

ALS Vial : 70 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.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	4.201	4.183	4.298	VB	782721	6670637	69.48%	3.736%
2	5.719	5.658	5.815	BV	812917	7496981	78.08%	4.199%
3	6.164	6.101	6.228	BB	103136	989645	10.31%	0.554%
4	6.766	6.735	6.898	VB	751550	7375179	76.82%	4.131%
5	7.379	7.350	7.478	PB	917872	9000697	93.75%	5.041%
6	7.946	7.881	7.995	BV	104826	1022588	10.65%	0.573%
7	8.032	7.995	8.118	PB	791401	7836786	81.62%	4.389%
8	8.230	8.198	8.301	PV	616161	5941000	61.88%	3.327%
9	8.328	8.301	8.421	VB	851815	8239297	85.82%	4.614%
10	8.663	8.521	8.715	BV	37116	368961	3.84%	0.207%
11	9.106	9.008	9.225	BB	823461	8323630	86.69%	4.662%
12	9.390	9.350	9.468	VB	48081	570574	5.94%	0.320%
13	9.533	9.475	9.591	BB	95427	1033079	10.76%	0.579%
14	10.291	10.065	10.361	BB	9018	194109	2.02%	0.109%
15	10.494	10.418	10.536	BV	795212	8467814	88.20%	4.742%
16	10.569	10.536	10.745	VB	759315	8534700	88.89%	4.780%
17	10.965	10.921	11.011	BV	95722	1075603	11.20%	0.602%
18	11.264	11.195	11.328	BB	576588	5970187	62.18%	3.344%
19	11.880	11.718	11.918	BV	10621	117896	1.23%	0.066%
20	12.298	12.241	12.401	VB	759954	9601081	100.00%	5.377%
21	12.482	12.425	12.525	BB	6957	78770	0.82%	0.044%
22	12.592	12.558	12.637	BV	801663	9009957	93.84%	5.046%
23	12.656	12.637	12.678	VV	7136	104302	1.09%	0.058%
24	12.704	12.678	12.778	VB	131072	1565365	16.30%	0.877%
25	12.875	12.798	12.906	BV	89959	1029531	10.72%	0.577%
26	13.457	13.427	13.525	VB	85982	1032393	10.75%	0.578%
27	14.461	14.345	14.480	BV	659476	8056732	83.91%	4.512%
28	14.505	14.480	14.532	VV	682487	8139563	84.78%	4.559%
29	14.554	14.532	14.645	VB	84494	1135425	11.83%	0.636%
30	14.928	14.904	15.015	VB	18242	284470	2.96%	0.159%
31	15.571	15.355	15.648	BB	77150	1000257	10.42%	0.560%
32	16.010	15.971	16.025	BV	567199	7937093	82.67%	4.445%
33	16.046	16.025	16.098	VV	654774	7890783	82.19%	4.419%
34	16.386	16.348	16.461	PV	571116	7585273	79.00%	4.248%
35	16.514	16.461	16.543	VV	71537	981658	10.22%	0.550%
36	17.399	17.315	17.455	BV	70829	940463	9.80%	0.527%

						rters			
37	17.753	17.701	17.768	BV	588366	8119567	84.57%	4.547%	
38	17.791	17.768	17.877	VV	552690	7564557	78		
39	18.005	17.948	18.141	BB	523371	7267454	75		
Sum of corrected areas:							1785		

Aromatic EPH 093024.M Mon Oct 14 06:27:06 2024

Instrument :
FID_D
ClientSampleId :
Chamberlain AveMSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/14/2024
Supervised By :Ankita Jodhani 10/14/2024



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

Manual Integration Report

Sequence:

FC100224AL

Instrument

FID_c

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:	FC101124AL	Instrument	FID_c
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4376-01	FC067403.D	ortho-Terphenyl (SURR)	yogesh	10/14/2024 8:48:43 AM	Ankita	10/14/2024 9:12:28	Peak Integrated by Software
P4376-01D	FC067404.D	ortho-Terphenyl (SURR)	yogesh	10/14/2024 8:48:45 AM	Ankita	10/14/2024 9:12:29	Peak Integrated by Software
P4376-01MS	FC067405.D	A~Naphthalene (C11.7)	yogesh	10/14/2024 8:48:48 AM	Ankita	10/14/2024 9:12:31	Peak Integrated by Software
P4376-01MS	FC067405.D	n-Dotriacontane (C32)	yogesh	10/14/2024 8:48:48 AM	Ankita	10/14/2024 9:12:31	Peak Integrated by Software
P4376-01MS	FC067405.D	n-Hexatriacontane (C36)	yogesh	10/14/2024 8:48:48 AM	Ankita	10/14/2024 9:12:31	Peak Integrated by Software
P4376-01MS	FC067405.D	n-Octacosane (C28)	yogesh	10/14/2024 8:48:48 AM	Ankita	10/14/2024 9:12:31	Peak Integrated by Software
P4376-01MS	FC067405.D	n-Octatriacontane (C38)	yogesh	10/14/2024 8:48:48 AM	Ankita	10/14/2024 9:12:31	Peak Integrated by Software
P4376-01MS	FC067405.D	n-Tetracontane (C40)	yogesh	10/14/2024 8:48:48 AM	Ankita	10/14/2024 9:12:31	Peak Integrated by Software
P4376-01MS	FC067405.D	n-Tetratriacontane (C34)	yogesh	10/14/2024 8:48:48 AM	Ankita	10/14/2024 9:12:31	Peak Integrated by Software
P4376-01MS	FC067405.D	n-Tricontane (C30)	yogesh	10/14/2024 8:48:48 AM	Ankita	10/14/2024 9:12:31	Peak Integrated by Software
P4376-01MS	FC067405.D	ortho-Terphenyl (SURR)	yogesh	10/14/2024 8:48:48 AM	Ankita	10/14/2024 9:12:31	Peak Integrated by Software
P4376-01MSD	FC067406.D	A~Naphthalene (C11.7)	yogesh	10/14/2024 8:48:50 AM	Ankita	10/14/2024 9:12:32	Peak Integrated by Software
P4376-01MSD	FC067406.D	n-Dotriacontane (C32)	yogesh	10/14/2024 8:48:50 AM	Ankita	10/14/2024 9:12:32	Peak Integrated by Software

Manual Integration Report

Sequence:	FC101124AL	Instrument	FID_c
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4376-01MSD	FC067406.D	n-Hexatriacontane (C36)	yogesh	10/14/2024 8:48:50 AM	Ankita	10/14/2024 9:12:32	Peak Integrated by Software
P4376-01MSD	FC067406.D	n-Octacosane (C28)	yogesh	10/14/2024 8:48:50 AM	Ankita	10/14/2024 9:12:32	Peak Integrated by Software
P4376-01MSD	FC067406.D	n-Octatriacontane (C38)	yogesh	10/14/2024 8:48:50 AM	Ankita	10/14/2024 9:12:32	Peak Integrated by Software
P4376-01MSD	FC067406.D	n-Tetracontane (C40)	yogesh	10/14/2024 8:48:50 AM	Ankita	10/14/2024 9:12:32	Peak Integrated by Software
P4376-01MSD	FC067406.D	n-Tetratriacontane (C34)	yogesh	10/14/2024 8:48:50 AM	Ankita	10/14/2024 9:12:32	Peak Integrated by Software
P4376-01MSD	FC067406.D	n-Tricontane (C30)	yogesh	10/14/2024 8:48:50 AM	Ankita	10/14/2024 9:12:32	Peak Integrated by Software
P4376-01MSD	FC067406.D	ortho-Terphenyl (SURR)	yogesh	10/14/2024 8:48:50 AM	Ankita	10/14/2024 9:12:32	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC067408.D	n-Dotriacontane (C32)	yogesh	10/14/2024 8:48:52 AM	Ankita	10/14/2024 9:12:34	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC067408.D	n-Hexatriacontane (C36)	yogesh	10/14/2024 8:48:52 AM	Ankita	10/14/2024 9:12:34	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC067408.D	n-Octacosane (C28)	yogesh	10/14/2024 8:48:52 AM	Ankita	10/14/2024 9:12:34	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC067408.D	n-Octatriacontane (C38)	yogesh	10/14/2024 8:48:52 AM	Ankita	10/14/2024 9:12:34	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC067408.D	n-Tetracontane (C40)	yogesh	10/14/2024 8:48:52 AM	Ankita	10/14/2024 9:12:34	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC067408.D	n-Tetratriacontane (C34)	yogesh	10/14/2024 8:48:52 AM	Ankita	10/14/2024 9:12:34	Peak Integrated by Software

Manual Integration Report

Sequence:	FC101124AL	Instrument	FID_c
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB164054BS	FC067410.D	n-Octatriacontane (C38)	yogesh	10/14/2024 8:48:54 AM	Ankita	10/14/2024 9:12:36	Peak Integrated by Software
PB164054BS	FC067410.D	n-Tetracontane (C40)	yogesh	10/14/2024 8:48:54 AM	Ankita	10/14/2024 9:12:36	Peak Integrated by Software
PB164054BS	FC067410.D	n-Tetratriacontane (C34)	yogesh	10/14/2024 8:48:54 AM	Ankita	10/14/2024 9:12:36	Peak Integrated by Software
PB164054BSD	FC067411.D	n-Hexatriacontane (C36)	yogesh	10/14/2024 8:48:56 AM	Ankita	10/14/2024 9:12:37	Peak Integrated by Software
PB164054BSD	FC067411.D	n-Octatriacontane (C38)	yogesh	10/14/2024 8:48:56 AM	Ankita	10/14/2024 9:12:37	Peak Integrated by Software
PB164054BSD	FC067411.D	n-Tetratriacontane (C34)	yogesh	10/14/2024 8:48:56 AM	Ankita	10/14/2024 9:12:37	Peak Integrated by Software
P4368-01	FC067412.D	n-Decane (C10)	yogesh	10/14/2024 8:48:58 AM	Ankita	10/14/2024 9:12:39	Peak Integrated by Software
P4368-01	FC067412.D	n-Hexatriacontane (C36)	yogesh	10/14/2024 8:48:58 AM	Ankita	10/14/2024 9:12:39	Peak Integrated by Software
P4368-01	FC067412.D	n-Octatriacontane (C38)	yogesh	10/14/2024 8:48:58 AM	Ankita	10/14/2024 9:12:39	Peak Integrated by Software
P4368-01	FC067412.D	n-Tetracontane (C40)	yogesh	10/14/2024 8:48:58 AM	Ankita	10/14/2024 9:12:39	Peak Integrated by Software
P4368-01	FC067412.D	n-Tetracosane (C24)	yogesh	10/14/2024 8:48:58 AM	Ankita	10/14/2024 9:12:39	Peak Integrated by Software
P4368-01	FC067412.D	n-Tetratriacontane (C34)	yogesh	10/14/2024 8:48:58 AM	Ankita	10/14/2024 9:12:39	Peak Integrated by Software
P4368-01	FC067413.D	n-Decane (C10)	yogesh	10/14/2024 8:48:59 AM	Ankita	10/14/2024 9:12:40	Peak Integrated by Software

Manual Integration Report

Sequence:	FC101124AL	Instrument	FID_c
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4368-01	FC067413.D	n-Hexatriacontane (C36)	yogesh	10/14/2024 8:48:59 AM	Ankita	10/14/2024 9:12:40	Peak Integrated by Software
P4368-01	FC067413.D	n-Octatriacontane (C38)	yogesh	10/14/2024 8:48:59 AM	Ankita	10/14/2024 9:12:40	Peak Integrated by Software
P4368-01	FC067413.D	n-Tetracontane (C40)	yogesh	10/14/2024 8:48:59 AM	Ankita	10/14/2024 9:12:40	Peak Integrated by Software
P4368-01	FC067413.D	n-Tetracosane (C24)	yogesh	10/14/2024 8:48:59 AM	Ankita	10/14/2024 9:12:40	Peak Integrated by Software
P4368-01	FC067413.D	n-Tetratriacontane (C34)	yogesh	10/14/2024 8:48:59 AM	Ankita	10/14/2024 9:12:40	Peak Integrated by Software
P4368-02	FC067414.D	n-Decane (C10)	yogesh	10/14/2024 8:49:01 AM	Ankita	10/14/2024 9:12:41	Peak Integrated by Software
P4368-02	FC067414.D	n-Hexacosane (C26)	yogesh	10/14/2024 8:49:01 AM	Ankita	10/14/2024 9:12:41	Peak Integrated by Software
P4368-02	FC067414.D	n-Hexatriacontane (C36)	yogesh	10/14/2024 8:49:01 AM	Ankita	10/14/2024 9:12:41	Peak Integrated by Software
P4368-02	FC067414.D	n-Tetracontane (C40)	yogesh	10/14/2024 8:49:01 AM	Ankita	10/14/2024 9:12:41	Peak Integrated by Software
P4368-02	FC067414.D	n-Tetracosane (C24)	yogesh	10/14/2024 8:49:01 AM	Ankita	10/14/2024 9:12:41	Peak Integrated by Software
P4368-02	FC067414.D	n-Tricontane (C30)	yogesh	10/14/2024 8:49:01 AM	Ankita	10/14/2024 9:12:41	Peak Integrated by Software
P4258-03MS	FC067417.D	n-Dotriacontane (C32)	yogesh	10/14/2024 8:49:02 AM	Ankita	10/14/2024 9:12:57	Peak Integrated by Software
P4258-03MS	FC067417.D	n-Octatriacontane (C38)	yogesh	10/14/2024 8:49:02 AM	Ankita	10/14/2024 9:12:57	Peak Integrated by Software

Manual Integration Report

Sequence:	FC101124AL	Instrument	FID_c
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4258-03MS	FC067417.D	n-Tetratriacontane (C34)	yogesh	10/14/2024 8:49:02 AM	Ankita	10/14/2024 9:12:57	Peak Integrated by Software
P4258-03MSD	FC067418.D	n-Octatriacontane (C38)	yogesh	10/14/2024 8:49:04 AM	Ankita	10/14/2024 9:13:00	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC067420.D	n-Hexatriacontane (C36)	yogesh	10/14/2024 8:49:05 AM	Ankita	10/14/2024 9:13:02	Peak Integrated by Software
P4368-07	FC067422.D	n-Decane (C10)	yogesh	10/14/2024 8:49:07 AM	Ankita	10/14/2024 9:13:03	Peak Integrated by Software
P4368-07	FC067422.D	n-Hexacosane (C26)	yogesh	10/14/2024 8:49:07 AM	Ankita	10/14/2024 9:13:03	Peak Integrated by Software
P4368-07	FC067422.D	n-Hexatriacontane (C36)	yogesh	10/14/2024 8:49:07 AM	Ankita	10/14/2024 9:13:03	Peak Integrated by Software
P4368-07	FC067422.D	n-Tetracontane (C40)	yogesh	10/14/2024 8:49:07 AM	Ankita	10/14/2024 9:13:03	Peak Integrated by Software
P4368-07	FC067422.D	n-Tetracosane (C24)	yogesh	10/14/2024 8:49:07 AM	Ankita	10/14/2024 9:13:03	Peak Integrated by Software
P4368-07	FC067423.D	n-Decane (C10)	yogesh	10/14/2024 8:49:09 AM	Ankita	10/14/2024 9:13:04	Peak Integrated by Software
P4368-07	FC067423.D	n-Octatriacontane (C38)	yogesh	10/14/2024 8:49:09 AM	Ankita	10/14/2024 9:13:04	Peak Integrated by Software
P4368-07	FC067423.D	n-Tetracosane (C24)	yogesh	10/14/2024 8:49:09 AM	Ankita	10/14/2024 9:13:04	Peak Integrated by Software
P4368-08	FC067424.D	n-Tetracontane (C40)	yogesh	10/14/2024 8:49:11 AM	Ankita	10/14/2024 9:13:06	Peak Integrated by Software
P4368-08	FC067424.D	n-Tetracosane (C24)	yogesh	10/14/2024 8:49:11 AM	Ankita	10/14/2024 9:13:06	Peak Integrated by Software

Manual Integration Report

Sequence:

FC101124AL

Instrument

FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FC067426.D	n-Tetratriacontane (C34)	yogesh	10/14/2024 8:49:13 AM	Ankita	10/14/2024 9:13:07	Peak Integrated by Software



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

Manual Integration Report

Sequence:

FD093024AR

Instrument

FID_d

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:	FD101124AR	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	FD048454.D	benzo[b]fluoranthene (C30.41)	yogesh	10/14/2024 8:52:05 AM	Ankita	10/14/2024 9:14:43	Peak Integrated by Software
20 PPM AROMATIC HC	FD048454.D	Bnezo[k]fluoranthene (C30.14)	yogesh	10/14/2024 8:52:05 AM	Ankita	10/14/2024 9:14:43	Peak Integrated by Software
P4368-07	FD048456.D	Anthracene (C19.43)	yogesh	10/14/2024 8:52:07 AM	Ankita	10/14/2024 9:14:44	Peak Integrated by Software
P4368-07	FD048456.D	Benzo[a]pyrene (C31.34)	yogesh	10/14/2024 8:52:07 AM	Ankita	10/14/2024 9:14:44	Peak Integrated by Software
P4368-07	FD048456.D	benzo[b]fluoranthene (C30.41)	yogesh	10/14/2024 8:52:07 AM	Ankita	10/14/2024 9:14:44	Peak Integrated by Software
P4368-07	FD048456.D	Bnezo[k]fluoranthene (C30.14)	yogesh	10/14/2024 8:52:07 AM	Ankita	10/14/2024 9:14:44	Peak Integrated by Software
P4368-07	FD048456.D	Chrysene (C27.41)	yogesh	10/14/2024 8:52:07 AM	Ankita	10/14/2024 9:14:44	Peak Integrated by Software
P4368-07	FD048456.D	Dibenz[a,h]anthracene (C30.36)	yogesh	10/14/2024 8:52:07 AM	Ankita	10/14/2024 9:14:44	Peak Integrated by Software
P4368-07	FD048456.D	Naphthalene (C11.7)	yogesh	10/14/2024 8:52:07 AM	Ankita	10/14/2024 9:14:44	Peak Integrated by Software
P4368-07	FD048456.D	Phenanthrene (C19.36)	yogesh	10/14/2024 8:52:07 AM	Ankita	10/14/2024 9:14:44	Peak Integrated by Software
P4368-07	FD048457.D	Anthracene (C19.43)	yogesh	10/14/2024 8:52:08 AM	Ankita	10/14/2024 9:14:46	Peak Integrated by Software
P4368-07	FD048457.D	Benzo[a]pyrene (C31.34)	yogesh	10/14/2024 8:52:08 AM	Ankita	10/14/2024 9:14:46	Peak Integrated by Software
P4368-07	FD048457.D	benzo[b]fluoranthene (C30.41)	yogesh	10/14/2024 8:52:08 AM	Ankita	10/14/2024 9:14:46	Peak Integrated by Software

Manual Integration Report

Sequence:	FD101124AR	Instrument	FID_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4368-07	FD048457.D	Bnezo[k]fluoranthene (C30.14)	yogesh	10/14/2024 8:52:08 AM	Ankita	10/14/2024 9:14:46	Peak Integrated by Software
P4368-07	FD048457.D	Indeno[1,2,3-cd]pyrene (C35.01)	yogesh	10/14/2024 8:52:08 AM	Ankita	10/14/2024 9:14:46	Peak Integrated by Software
P4368-07	FD048457.D	Naphthalene (C11.7)	yogesh	10/14/2024 8:52:08 AM	Ankita	10/14/2024 9:14:46	Peak Integrated by Software
P4368-07	FD048457.D	Phenanthrene (C19.36)	yogesh	10/14/2024 8:52:08 AM	Ankita	10/14/2024 9:14:46	Peak Integrated by Software
P4368-08	FD048458.D	Benzo[a]anthracene (C26.37)	yogesh	10/14/2024 8:52:10 AM	Ankita	10/14/2024 9:14:48	Peak Integrated by Software
P4368-08	FD048458.D	benzo[b]fluoranthene (C30.41)	yogesh	10/14/2024 8:52:10 AM	Ankita	10/14/2024 9:14:48	Peak Integrated by Software
P4368-08	FD048458.D	Bnezo[k]fluoranthene (C30.14)	yogesh	10/14/2024 8:52:10 AM	Ankita	10/14/2024 9:14:48	Peak Integrated by Software
P4368-08	FD048458.D	Fluoranthene (C21.85)	yogesh	10/14/2024 8:52:10 AM	Ankita	10/14/2024 9:14:48	Peak Integrated by Software
P4368-08	FD048458.D	Indeno[1,2,3-cd]pyrene (C35.01)	yogesh	10/14/2024 8:52:10 AM	Ankita	10/14/2024 9:14:48	Peak Integrated by Software
20 PPM AROMATIC HC	FD048460.D	benzo[b]fluoranthene (C30.41)	yogesh	10/14/2024 8:52:12 AM	Ankita	10/14/2024 9:14:50	Peak Integrated by Software
20 PPM AROMATIC HC	FD048460.D	Bnezo[k]fluoranthene (C30.14)	yogesh	10/14/2024 8:52:12 AM	Ankita	10/14/2024 9:14:50	Peak Integrated by Software
PB164054BS	FD048462.D	Fluoranthene (C21.85)	yogesh	10/14/2024 8:52:13 AM	Ankita	10/14/2024 9:14:51	Peak Integrated by Software
PB164054BSD	FD048463.D	Fluoranthene (C21.85)	yogesh	10/14/2024 8:52:15 AM	Ankita	10/14/2024 9:14:53	Peak Integrated by Software

Manual Integration Report

Sequence:	FD101124AR	Instrument	FID_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4368-01	FD048464.D	Benzo[a]anthracene (C26.37)	yogesh	10/14/2024 8:52:17 AM	Ankita	10/14/2024 9:15:08	Peak Integrated by Software
P4368-01	FD048464.D	Benzo[a]pyrene (C31.34)	yogesh	10/14/2024 8:52:17 AM	Ankita	10/14/2024 9:15:08	Peak Integrated by Software
P4368-01	FD048464.D	benzo[b]fluoranthene (C30.41)	yogesh	10/14/2024 8:52:17 AM	Ankita	10/14/2024 9:15:08	Peak Integrated by Software
P4368-01	FD048464.D	Bnezo[k]fluoranthene (C30.14)	yogesh	10/14/2024 8:52:17 AM	Ankita	10/14/2024 9:15:08	Peak Integrated by Software
P4368-01	FD048464.D	Chrysene (C27.41)	yogesh	10/14/2024 8:52:17 AM	Ankita	10/14/2024 9:15:08	Peak Integrated by Software
P4368-01	FD048464.D	Dibenz[a,h]anthracene (C30.36)	yogesh	10/14/2024 8:52:17 AM	Ankita	10/14/2024 9:15:08	Peak Integrated by Software
P4368-01	FD048464.D	Indeno[1,2,3-cd]pyrene (C35.01)	yogesh	10/14/2024 8:52:17 AM	Ankita	10/14/2024 9:15:08	Peak Integrated by Software
P4368-01	FD048465.D	1,2,3-Trimethylbenzene (C10.1)	yogesh	10/14/2024 8:52:19 AM	Ankita	10/14/2024 9:15:10	Peak Integrated by Software
P4368-01	FD048465.D	Benzo[a]anthracene (C26.37)	yogesh	10/14/2024 8:52:19 AM	Ankita	10/14/2024 9:15:10	Peak Integrated by Software
P4368-01	FD048465.D	benzo[b]fluoranthene (C30.41)	yogesh	10/14/2024 8:52:19 AM	Ankita	10/14/2024 9:15:10	Peak Integrated by Software
P4368-01	FD048465.D	Bnezo[k]fluoranthene (C30.14)	yogesh	10/14/2024 8:52:19 AM	Ankita	10/14/2024 9:15:10	Peak Integrated by Software
P4368-01	FD048465.D	Naphthalene (C11.7)	yogesh	10/14/2024 8:52:19 AM	Ankita	10/14/2024 9:15:10	Peak Integrated by Software
P4368-02	FD048466.D	Bnezo[k]fluoranthene (C30.14)	yogesh	10/14/2024 8:52:21 AM	Ankita	10/14/2024 9:15:11	Peak Integrated by Software

Manual Integration Report

Sequence:	FD101124AR	Instrument	FID_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4368-02	FD048466.D	Chrysene (C27.41)	yogesh	10/14/2024 8:52:21 AM	Ankita	10/14/2024 9:15:11	Peak Integrated by Software
P4368-02	FD048466.D	Fluoranthene (C21.85)	yogesh	10/14/2024 8:52:21 AM	Ankita	10/14/2024 9:15:11	Peak Integrated by Software
P4368-02	FD048466.D	Indeno[1,2,3-cd]pyrene (C35.01)	yogesh	10/14/2024 8:52:21 AM	Ankita	10/14/2024 9:15:11	Peak Integrated by Software
P4368-02	FD048466.D	Phenanthrene (C19.36)	yogesh	10/14/2024 8:52:21 AM	Ankita	10/14/2024 9:15:11	Peak Integrated by Software
P4368-02	FD048466.D	Pyrene (C20.8)	yogesh	10/14/2024 8:52:21 AM	Ankita	10/14/2024 9:15:11	Peak Integrated by Software
P4258-03MS	FD048469.D	Fluoranthene (C21.85)	yogesh	10/14/2024 8:52:22 AM	Ankita	10/14/2024 9:15:13	Peak Integrated by Software
P4258-03MSD	FD048470.D	Fluoranthene (C21.85)	yogesh	10/14/2024 8:52:24 AM	Ankita	10/14/2024 9:15:15	Peak Integrated by Software
20 PPM AROMATIC HC	FD048472.D	Benzo[a]pyrene (C31.34)	yogesh	10/14/2024 8:52:26 AM	Ankita	10/14/2024 9:15:16	Peak Integrated by Software

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC100224AL

Review By	yogesh	Review On	10/1/2024 9:33:02 AM
Supervise By	Ankita	Supervise On	10/1/2024 10:31:51 AM
SubDirectory	FC100224AL	HP Acquire Method	HP Processing Method FC100224AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23644,PP23646,PP23647,PP23648,PP23649		
CCC Internal Standard/PEM	PP23647		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP23645,PP23650		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC067310.D	30 Sep 2024 09:18	YP/AJ	Ok
2	I.BLK	FC067311.D	30 Sep 2024 09:55	YP/AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FC067312.D	30 Sep 2024 10:32	YP/AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FC067313.D	30 Sep 2024 11:10	YP/AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FC067314.D	30 Sep 2024 11:48	YP/AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FC067315.D	30 Sep 2024 12:47	YP/AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FC067316.D	30 Sep 2024 13:35	YP/AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FC067317.D	30 Sep 2024 14:29	YP/AJ	Ok
9	I.BLK	FC067318.D	30 Sep 2024 15:06	YP/AJ	Ok
10	20 PPM ALIPHATIC HC STD	FC067319.D	30 Sep 2024 15:49	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC101124AL

Review By	yogesh	Review On	10/11/2024 12:39:06 PM
Supervise By	Ankita	Supervise On	10/14/2024 9:13:11 AM
SubDirectory	FC101124AL	HP Acquire Method	HP Processing Method FC100224AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23644,PP23646,PP23647,PP23648,PP23649		
CCC Internal Standard/PEM	PP23647		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP23645,PP23650		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC067397.D	11 Oct 2024 09:28	YP/AJ	Ok
2	I.BLK	FC067398.D	11 Oct 2024 10:04	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC067399.D	11 Oct 2024 12:04	YP/AJ	Ok
4	PB164070BL	FC067400.D	11 Oct 2024 14:12	YP/AJ	Ok
5	PB164070BS	FC067401.D	11 Oct 2024 14:49	YP/AJ	Ok
6	PB164070BSD	FC067402.D	11 Oct 2024 15:25	YP/AJ	Ok
7	P4376-01	FC067403.D	11 Oct 2024 16:02	YP/AJ	Ok,M
8	P4376-01D	FC067404.D	11 Oct 2024 16:39	YP/AJ	Ok,M
9	P4376-01MS	FC067405.D	11 Oct 2024 17:15	YP/AJ	Ok,M
10	P4376-01MSD	FC067406.D	11 Oct 2024 17:52	YP/AJ	Ok,M
11	I.BLK	FC067407.D	11 Oct 2024 19:06	YP/AJ	Ok
12	20 PPM ALIPHATIC HC STD	FC067408.D	11 Oct 2024 19:42	YP/AJ	Ok,M
13	PB164054BL	FC067409.D	11 Oct 2024 20:55	YP/AJ	Ok
14	PB164054BS	FC067410.D	11 Oct 2024 21:31	YP/AJ	Ok,M
15	PB164054BSD	FC067411.D	11 Oct 2024 22:07	YP/AJ	Ok,M
16	P4368-01	FC067412.D	11 Oct 2024 22:44	YP/AJ	Ok,M
17	P4368-01	FC067413.D	11 Oct 2024 23:21	YP/AJ	Ok,M
18	P4368-02	FC067414.D	11 Oct 2024 23:58	YP/AJ	Ok,M
19	P4258-03	FC067415.D	12 Oct 2024 00:35	YP/AJ	Ok
20	P4258-03D	FC067416.D	12 Oct 2024 01:12	YP/AJ	Ok
21	P4258-03MS	FC067417.D	12 Oct 2024 01:50	YP/AJ	Ok,M

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC101124AL

Review By	yogesh	Review On	10/11/2024 12:39:06 PM
Supervise By	Ankita	Supervise On	10/14/2024 9:13:11 AM
SubDirectory	FC101124AL	HP Acquire Method	HP Processing Method FC100224AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23644,PP23646,PP23647,PP23648,PP23649		
CCC Internal Standard/PEM	PP23647		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP23645,PP23650		

22	P4258-03MSD	FC067418.D	12 Oct 2024 02:27	YP/AJ	Ok,M
23	I.BLK	FC067419.D	12 Oct 2024 03:04	YP/AJ	Ok
24	20 PPM ALIPHATIC HC STD	FC067420.D	12 Oct 2024 03:41	YP/AJ	Ok,M
25	PB164057BL	FC067421.D	12 Oct 2024 04:55	YP/AJ	Ok
26	P4368-07	FC067422.D	12 Oct 2024 05:31	YP/AJ	Ok,M
27	P4368-07	FC067423.D	12 Oct 2024 06:08	YP/AJ	Ok,M
28	P4368-08	FC067424.D	12 Oct 2024 06:45	YP/AJ	Ok,M
29	I.BLK	FC067425.D	12 Oct 2024 07:22	YP/AJ	Ok
30	20 PPM ALIPHATIC HC STD	FC067426.D	12 Oct 2024 07:59	YP/AJ	Ok,M

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD093024AR

Review By	yogesh	Review On	9/30/2024 3:32:01 PM
Supervise By	Ankita	Supervise On	10/1/2024 10:34:21 AM
SubDirectory	FD093024AR	HP Acquire Method	HP Processing Method FD093024AR
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23429,PP23519,PP23520,PP23521,PP23522		
CCC Internal Standard/PEM	PP23520		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP23430,PP23523		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FD048396.D	30 Sep 2024 09:18	YP/AJ	Ok
2	I.BLK	FD048397.D	30 Sep 2024 09:55	YP/AJ	Ok
3	100 PPM AROMATIC HC STD1	FD048398.D	30 Sep 2024 10:32	YP/AJ	Ok
4	50 PPM AROMATIC HC STD2	FD048399.D	30 Sep 2024 11:10	YP/AJ	Ok
5	20 PPM AROMATIC HC STD3	FD048400.D	30 Sep 2024 11:48	YP/AJ	Ok
6	10 PPM AROMATIC HC STD4	FD048401.D	30 Sep 2024 12:47	YP/AJ	Ok
7	5 PPM AROMATIC HC STD5	FD048402.D	30 Sep 2024 13:35	YP/AJ	Ok
8	20 PPM AROMATIC HC STD ICV	FD048403.D	30 Sep 2024 14:29	YP/AJ	Ok
9	I.BLK	FD048404.D	30 Sep 2024 15:06	YP/AJ	Ok
10	20 PPM AROMATIC HC STD	FD048405.D	30 Sep 2024 15:49	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD101124AR

Review By	yogesh	Review On	10/11/2024 2:58:03 PM
Supervise By	Ankita	Supervise On	10/14/2024 9:15:29 AM
SubDirectory	FD101124AR	HP Acquire Method	HP Processing Method FD093024AR
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23429,PP23519,PP23520,PP23521,PP23522		
CCC Internal Standard/PEM	PP23520		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP23430,PP23523		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FD048452.D	11 Oct 2024 09:28	YP/AJ	Ok
2	I.BLK	FD048453.D	11 Oct 2024 10:04	YP/AJ	Ok
3	20 PPM AROMATIC HC STD	FD048454.D	11 Oct 2024 12:04	YP/AJ	Ok,M
4	PB164057BL	FD048455.D	11 Oct 2024 16:39	YP/AJ	Ok
5	P4368-07	FD048456.D	11 Oct 2024 17:15	YP/AJ	Ok,M
6	P4368-07	FD048457.D	11 Oct 2024 17:52	YP/AJ	Ok,M
7	P4368-08	FD048458.D	11 Oct 2024 18:29	YP/AJ	Ok,M
8	I.BLK	FD048459.D	11 Oct 2024 19:06	YP/AJ	Ok
9	20 PPM AROMATIC HC STD	FD048460.D	11 Oct 2024 19:42	YP/AJ	Ok,M
10	PB164054BL	FD048461.D	11 Oct 2024 21:31	YP/AJ	Ok
11	PB164054BS	FD048462.D	11 Oct 2024 22:07	YP/AJ	Ok,M
12	PB164054BSD	FD048463.D	11 Oct 2024 22:44	YP/AJ	Ok,M
13	P4368-01	FD048464.D	11 Oct 2024 23:21	YP/AJ	Ok,M
14	P4368-01	FD048465.D	11 Oct 2024 23:58	YP/AJ	Ok,M
15	P4368-02	FD048466.D	12 Oct 2024 00:35	YP/AJ	Ok,M
16	P4258-03	FD048467.D	12 Oct 2024 01:12	YP/AJ	Ok
17	P4258-03D	FD048468.D	12 Oct 2024 01:50	YP/AJ	Ok
18	P4258-03MS	FD048469.D	12 Oct 2024 02:27	YP/AJ	Ok,M
19	P4258-03MSD	FD048470.D	12 Oct 2024 03:04	YP/AJ	Ok,M
20	I.BLK	FD048471.D	12 Oct 2024 03:41	YP/AJ	Ok
21	20 PPM AROMATIC HC STD	FD048472.D	12 Oct 2024 04:18	YP/AJ	Ok,M

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC100224AL

Review By	yogesh	Review On	10/1/2024 9:33:02 AM
Supervise By	Ankita	Supervise On	10/1/2024 10:31:51 AM
SubDirectory	FC100224AL	HP Acquire Method	HP Processing Method FC100224AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23644,PP23646,PP23647,PP23648,PP23649		
CCC	PP23647		
Internal Standard/PEM	PP23645,PP23650		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC067310.D	30 Sep 2024 09:18		YP/AJ	Ok
2	I.BLK	I.BLK	FC067311.D	30 Sep 2024 09:55		YP/AJ	Ok
3	100 PPM ALIPHATIC HC	100 PPM ALIPHATIC HC	FC067312.D	30 Sep 2024 10:32		YP/AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FC067313.D	30 Sep 2024 11:10		YP/AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067314.D	30 Sep 2024 11:48		YP/AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FC067315.D	30 Sep 2024 12:47		YP/AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FC067316.D	30 Sep 2024 13:35		YP/AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067317.D	30 Sep 2024 14:29		YP/AJ	Ok
9	I.BLK	I.BLK	FC067318.D	30 Sep 2024 15:06		YP/AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067319.D	30 Sep 2024 15:49		YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC101124AL

Review By	yogesh	Review On	10/11/2024 12:39:06 PM
Supervise By	Ankita	Supervise On	10/14/2024 9:13:11 AM
SubDirectory	FC101124AL	HP Acquire Method	HP Processing Method FC100224AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23644,PP23646,PP23647,PP23648,PP23649		
CCC	PP23647		
Internal Standard/PEM			
ICV/I.BLK	PP23645,PP23650		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC067397.D	11 Oct 2024 09:28		YP/AJ	Ok
2	I.BLK	I.BLK	FC067398.D	11 Oct 2024 10:04		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067399.D	11 Oct 2024 12:04		YP/AJ	Ok
4	PB164070BL	PB164070BL	FC067400.D	11 Oct 2024 14:12		YP/AJ	Ok
5	PB164070BS	PB164070BS	FC067401.D	11 Oct 2024 14:49		YP/AJ	Ok
6	PB164070BSD	PB164070BSD	FC067402.D	11 Oct 2024 15:25		YP/AJ	Ok
7	P4376-01	OR-02-100924	FC067403.D	11 Oct 2024 16:02		YP/AJ	Ok,M
8	P4376-01D	P4376-01D	FC067404.D	11 Oct 2024 16:39		YP/AJ	Ok,M
9	P4376-01MS	OR-02-100924MS	FC067405.D	11 Oct 2024 17:15	FC067403.D	YP/AJ	Ok,M
10	P4376-01MSD	OR-02-100924MSD	FC067406.D	11 Oct 2024 17:52	FC067403.D!FC067405.D	YP/AJ	Ok,M
11	I.BLK	I.BLK	FC067407.D	11 Oct 2024 19:06		YP/AJ	Ok
12	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067408.D	11 Oct 2024 19:42		YP/AJ	Ok,M
13	PB164054BL	PB164054BL	FC067409.D	11 Oct 2024 20:55		YP/AJ	Ok
14	PB164054BS	PB164054BS	FC067410.D	11 Oct 2024 21:31		YP/AJ	Ok,M
15	PB164054BSD	PB164054BSD	FC067411.D	11 Oct 2024 22:07		YP/AJ	Ok,M
16	P4368-01	LOD-MDL-SOIL-01-QT	FC067412.D	11 Oct 2024 22:44	2.5 PPM SOIL LOD	YP/AJ	Ok,M
17	P4368-01	LOD-MDL-SOIL-01-QT	FC067413.D	11 Oct 2024 23:21	4 PPM SOIL LOD	YP/AJ	Ok,M
18	P4368-02	LOQ-SOIL-02-QT4-202	FC067414.D	11 Oct 2024 23:58	5 PPM SOIL LOQ	YP/AJ	Ok,M

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC101124AL

Review By	yogesh	Review On	10/11/2024 12:39:06 PM
Supervise By	Ankita	Supervise On	10/14/2024 9:13:11 AM
SubDirectory	FC101124AL	HP Acquire Method	HP Processing Method FC100224AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23644,PP23646,PP23647,PP23648,PP23649		
CCC	PP23647		
Internal Standard/PEM			
ICV/I.BLK	PP23645,PP23650		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	P4258-03	Chamberlain Ave	FC067415.D	12 Oct 2024 00:35		YP/AJ	Ok
20	P4258-03D	P4258-03D	FC067416.D	12 Oct 2024 01:12		YP/AJ	Ok
21	P4258-03MS	Chamberlain AveMS	FC067417.D	12 Oct 2024 01:50	FC067415.D	YP/AJ	Ok,M
22	P4258-03MSD	Chamberlain AveMSD	FC067418.D	12 Oct 2024 02:27	FC067415.D!FC067417.D	YP/AJ	Ok,M
23	I.BLK	I.BLK	FC067419.D	12 Oct 2024 03:04		YP/AJ	Ok
24	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067420.D	12 Oct 2024 03:41		YP/AJ	Ok,M
25	PB164057BL	PB164057BL	FC067421.D	12 Oct 2024 04:55		YP/AJ	Ok
26	P4368-07	LOD-MDL-WATER-01-0	FC067422.D	12 Oct 2024 05:31	2.5 PPM WATER LOD	YP/AJ	Ok,M
27	P4368-07	LOD-MDL-WATER-01-0	FC067423.D	12 Oct 2024 06:08	4 PPM WATER LOD	YP/AJ	Ok,M
28	P4368-08	LOQ-WATER-02-QT4-2	FC067424.D	12 Oct 2024 06:45	5 PPM WATER LOQ	YP/AJ	Ok,M
29	I.BLK	I.BLK	FC067425.D	12 Oct 2024 07:22		YP/AJ	Ok
30	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067426.D	12 Oct 2024 07:59		YP/AJ	Ok,M

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD093024AR

Review By	yogesh	Review On	9/30/2024 3:32:01 PM
Supervise By	Ankita	Supervise On	10/1/2024 10:34:21 AM
SubDirectory	FD093024AR	HP Acquire Method	HP Processing Method FD093024AR
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23429,PP23519,PP23520,PP23521,PP23522		
CCC	PP23520		
Internal Standard/PEM	PP23430,PP23523		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD048396.D	30 Sep 2024 09:18		YP/AJ	Ok
2	I.BLK	I.BLK	FD048397.D	30 Sep 2024 09:55		YP/AJ	Ok
3	100 PPM AROMATIC HC	100 PPM AROMATIC HC	FD048398.D	30 Sep 2024 10:32		YP/AJ	Ok
4	50 PPM AROMATIC HC	50 PPM AROMATIC HC	FD048399.D	30 Sep 2024 11:10		YP/AJ	Ok
5	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048400.D	30 Sep 2024 11:48		YP/AJ	Ok
6	10 PPM AROMATIC HC	10 PPM AROMATIC HC	FD048401.D	30 Sep 2024 12:47		YP/AJ	Ok
7	5 PPM AROMATIC HC	5 PPM AROMATIC HC	FD048402.D	30 Sep 2024 13:35		YP/AJ	Ok
8	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048403.D	30 Sep 2024 14:29		YP/AJ	Ok
9	I.BLK	I.BLK	FD048404.D	30 Sep 2024 15:06		YP/AJ	Ok
10	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048405.D	30 Sep 2024 15:49		YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD101124AR

Review By	yogesh	Review On	10/11/2024 2:58:03 PM	
Supervise By	Ankita	Supervise On	10/14/2024 9:15:29 AM	
SubDirectory	FD101124AR	HP Acquire Method	HP Processing Method	FD093024AR
STD. NAME	STD REF.#			
Tune/Reschk Initial Calibration Stds	PP23429,PP23519,PP23520,PP23521,PP23522			
CCC	PP23520			
Internal Standard/PEM				
ICV/I.BLK	PP23430,PP23523			
Surrogate Standard				
MS/MSD Standard				
LCS Standard				

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD048452.D	11 Oct 2024 09:28		YP/AJ	Ok
2	I.BLK	I.BLK	FD048453.D	11 Oct 2024 10:04		YP/AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048454.D	11 Oct 2024 12:04		YP/AJ	Ok,M
4	PB164057BL	PB164057BL	FD048455.D	11 Oct 2024 16:39		YP/AJ	Ok
5	P4368-07	LOD-MDL-WATER-01-Q	FD048456.D	11 Oct 2024 17:15	2.5 PPM WATER LOD	YP/AJ	Ok,M
6	P4368-07	LOD-MDL-WATER-01-Q	FD048457.D	11 Oct 2024 17:52	4 PPM WATER LOD	YP/AJ	Ok,M
7	P4368-08	LOQ-WATER-02-QT4-2	FD048458.D	11 Oct 2024 18:29	5 PPM WATER LOQ	YP/AJ	Ok,M
8	I.BLK	I.BLK	FD048459.D	11 Oct 2024 19:06		YP/AJ	Ok
9	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048460.D	11 Oct 2024 19:42		YP/AJ	Ok,M
10	PB164054BL	PB164054BL	FD048461.D	11 Oct 2024 21:31		YP/AJ	Ok
11	PB164054BS	PB164054BS	FD048462.D	11 Oct 2024 22:07		YP/AJ	Ok,M
12	PB164054BSD	PB164054BSD	FD048463.D	11 Oct 2024 22:44		YP/AJ	Ok,M
13	P4368-01	LOD-MDL-SOIL-01-QT	FD048464.D	11 Oct 2024 23:21	2.5 PPM SOIL LOD	YP/AJ	Ok,M
14	P4368-01	LOD-MDL-SOIL-01-QT	FD048465.D	11 Oct 2024 23:58	4 PPM SOIL LOD	YP/AJ	Ok,M
15	P4368-02	LOQ-SOIL-02-QT4-202	FD048466.D	12 Oct 2024 00:35	5 PPM SOIL LOQ	YP/AJ	Ok,M
16	P4258-03	Chamberlain Ave	FD048467.D	12 Oct 2024 01:12		YP/AJ	Ok
17	P4258-03D	P4258-03D	FD048468.D	12 Oct 2024 01:50		YP/AJ	Ok
18	P4258-03MS	Chamberlain AveMS	FD048469.D	12 Oct 2024 02:27	FD048467.D	YP/AJ	Ok,M

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD101124AR

Review By	yogesh	Review On	10/11/2024 2:58:03 PM	
Supervise By	Ankita	Supervise On	10/14/2024 9:15:29 AM	
SubDirectory	FD101124AR	HP Acquire Method	HP Processing Method	FD093024AR
STD. NAME	STD REF.#			
Tune/Reschk Initial Calibration Stds	PP23429,PP23519,PP23520,PP23521,PP23522			
CCC	PP23520			
Internal Standard/PEM				
ICV/I.BLK	PP23430,PP23523			
Surrogate Standard				
MS/MSD Standard				
LCS Standard				

19	P4258-03MSD	Chamberlain AveMSD	FD048470.D	12 Oct 2024 03:04	FD048467.D!FD048469.D	YP/AJ	Ok,M
20	I.BLK	I.BLK	FD048471.D	12 Oct 2024 03:41		YP/AJ	Ok
21	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048472.D	12 Oct 2024 04:18		YP/AJ	Ok,M

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

Welgh By: EH **Extraction By:** RJ

Balance check: RJ **Filter By:** RJ

Balance ID: EX-SC-2 **pH Meter ID:** N/A

pH Strip Lot#: N/A **Hood ID:** 3,7

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

Extraction Start Date : 10/11/2024

Extraction Start Time : 08:20

Extraction End Date : 10/11/2024

Extraction End Time : 16:00

Concentration By: EH

Supervisor By : rajesh

Standarded Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	100 PPM	PP23712
Surrogate	1.0ML	100 PPM	PP23706
Fractionation Surrogate	1.0ML	100 PPM	PP23704
LOD	0.25ML/0.4ML	20 PPM	PP23539
LOQ	0.5ML	20 PPM	PP23539

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2538
Baked Na2SO4	N/A	EP2543
Sand	N/A	E2865
Hexane	N/A	E3816
Methylene Chloride	N/A	E3817
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

Extraction Conformance/Non-Conformance Comments:

1.5ML Vial Lot # 2210673.

KD Bath ID: N/A **Envap ID:** NE VAP-02

KD Bath Temperature: N/A **Envap Temperature:** 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/11/24 16:05	RP (Est. 125)	Y-P-pestip43.
	Preparation Group	Analysis Group

Analytical Method: MNJDEP-EPH-7

Concentration Date: 10/11/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB164054BL	PB164054BL	EPH	30.03	N/A	ritesh	Evelyn	2			U5-1
PB164054BS	PB164054BS	EPH	30.01	N/A	ritesh	Evelyn	2			2
PB164054BSD	PB164054BSD	EPH	30.03	N/A	ritesh	Evelyn	2			3
P4258-03	CHAMBERLAIN AVE	EPH	30.04	N/A	ritesh	Evelyn	2	A		4
P4258-03DUP	CHAMBERLAIN AVEDUP	EPH	30.02	N/A	ritesh	Evelyn	2	A		5
P4258-03MS	CHAMBERLAIN AVEMS	EPH	30.07	N/A	ritesh	Evelyn	2	A		6
P4258-03MS D	CHAMBERLAIN AVEMSD	EPH	30.09	N/A	ritesh	Evelyn	2	A		U6-1
P4368-01	LOD-MDL-SOIL-01-QT4-2 024 0.25 ML	EPH	30.01	N/A	ritesh	Evelyn	2			2
P4368-02	LOQ-SOIL-02-QT4-2024 0.5 ML	EPH	30.03	N/A	ritesh	Evelyn	2			3
	LOD 0.4 ML						2			4

* Extracts relinquished on the same date as received.

10/11/24

104059
8-20

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P4258E

WorkList ID : 184333

Department : Extraction

Date : 10-11-2024 08:09:17

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4258-03	Chamberlain Ave	Solid	EPH	Cool 4 deg C	ROMA02	K21	10/01/2024	NJEPH
P4368-01	LOD-MDL-SOIL-01-QT4-2024	Solid	EPH	Cool 4 deg C	CHEM02	QA Of	10/09/2024	NJEPH
P4368-02	LOQ-SOIL-02-QT4-2024	Solid	EPH	Cool 4 deg C	CHEM02	QA Of	10/09/2024	NJEPH

Date/Time 10/11/24 8:15

Raw Sample Received by: RJ (Get 104)

Raw Sample Relinquished by: JD CSM

Date/Time 10/11/24 8:40

Raw Sample Received by: JD CSM

Raw Sample Relinquished by: RJ (Get 104)

LAB CHRONICLE

OrderID:	P4258	OrderDate:	10/1/2024 1:21:00 PM
Client:	Roman E&G Corp	Project:	Perth Amboy
Contact:	Mark Mattheiss	Location:	H11,H51,K11,K21

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4258-03	Chamberlain Ave	SOIL			10/01/24			10/01/24
			Herbicide	8151A		10/11/24	10/11/24	
			PCB	8082A		10/02/24	10/02/24	
			Pesticide-TCL	8081B		10/11/24	10/11/24	
			EPH	NJEPH		10/11/24	10/12/24	
P4258-04	Chamberlain Ave	TCLP			10/01/24			10/01/24
			TCLP Herbicide	8151A		10/03/24	10/04/24	
			TCLP Pesticide	8081B		10/03/24	10/03/24	