

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following "Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

LAB CHRONICLE

OrderID: Q3586
Client: Remington & Vernick Engineers
Contact: Kyle Carlson

OrderDate: 11/7/2025 3:20:00 PM
Project: Edison Landfill
Location: D31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3586-01	SED-1	SOIL			11/06/25			11/07/25
			PCB	8082A		11/11/25	11/11/25	
			Pesticide-TCL	8081B		11/11/25	11/11/25	
			EPH	NJEPH		11/17/25	11/17/25	
Q3586-02	SED-2	SOIL			11/06/25			11/07/25
			PCB	8082A		11/11/25	11/11/25	
			Pesticide-TCL	8081B		11/11/25	11/11/25	
			EPH	NJEPH		11/17/25	11/17/25	
Q3586-03	SED-3	SOIL			11/06/25			11/07/25
			PCB	8082A		11/11/25	11/11/25	
			Pesticide-TCL	8081B		11/11/25	11/11/25	
			EPH	NJEPH		11/17/25	11/17/25	
			EPH	NJEPH		11/17/25	11/20/25	



QC SUMMARY



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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SOIL EPH SURROGATE RECOVERY

Lab Name: Alliance Contract: REMI02
Lab Code: ACE SDG No.: Q3586
Run Number: FF111725AR

CLIENT SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
PB170577BL	101	106	80	0
PB170577BS	118	119	87	0
PB170577BSD	107	109	79	0
SED-1	91	97	78	0
SED-2	93	99	59	0
SED-3	111	118	95	0
SED-3MS	94	100	69	0
SED-3MSD	96	103	71	0

QC LIMITS

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

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

SOIL EPH SURROGATE RECOVERY

Lab Name: Alliance Contract: REMI02
Lab Code: ACE SDG No.: Q3586
Run Number: FG111725AL

CLIENT SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
PB170577BS	49			0
PB170577BSD	50			0
SED-1	85			0
SED-2	74			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: Alliance Contract: REMI02
Lab Code: ACE SDG No.: Q3586
Run Number: FG112025AL

CLIENT SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
PB170577BL	50			0
SED-3	138			0
SED-3MS	112			0
SED-3MSD	110			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

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>Remington & Vernick Engineers</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q3586</u>
Sample No :	<u>Q3586-03MS</u>	Datafile:	<u>FF016726.D</u>
		Client ID :	<u>SED-3MS</u>

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
Aromatic C10-C12	13.1	0.25	8.12	60		(40-140)
Aromatic C12-C16	19.6	4.66	13.6	46		(40-140)
Aromatic C16-C21	32.7	2.53	27.8	77		(40-140)
Aromatic C21-C36	52.3	0	44.9	86		(40-140)

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
1,2,3-Trimethylbenzene (C10.1)	6.5	0.0174	3.9777	61		(40-140)
Naphthalene (C11.7)	6.5	0.0256	3.8270	58		(40-140)
2-Methylnaphthalene (C12.89)	6.5	0.0251	3.5596	54		(40-140)
Acenaphthylene (C15.06)	6.5	0.0198	4.1275	63		(40-140)
Acenaphthene (C15.5)	6.5	0.0000	4.2303	65		(40-140)
Fluorene (C16.55)	6.5	0.0116	4.6282	71		(40-140)
Phenanthrene (C19.36)	6.5	0.0074	4.6796	72		(40-140)
Anthracene (C19.43)	6.5	0.0042	4.7788	73		(40-140)
Pyrene (C20.8)	6.5	0.0000	4.5427	70		(40-140)
Fluoranthene (C21.85)	6.5	0.0612	4.6476	71		(40-140)
Benzo[a]anthracene (C26.37)	6.5	0.0292	11.1470	171	*	(40-140)
Chrysene (C27.41)	6.5	0.0397	8.9965	138		(40-140)
Benzo[k]fluoranthene (C30.14)	6.5	0.0172	9.5714	147	*	(40-140)
Dibenz[a,h]anthracene (C30.36)	6.5	0.0631	9.1114	139		(40-140)
benzo[b]fluoranthene (C30.41)	6.5	0.0189	10.5194	162	*	(40-140)
Benzo[a]pyrene (C31.34)	6.5	0.0050	5.1313	79		(40-140)
Benzo[g,h,i]perylene (C34.01)	6.5	0.0113	5.6971	87		(40-140)
Indeno[1,2,3-cd]pyrene (C35.01)	6.5	0.0966	13.9442	213	*	(40-140)

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>Remington & Vernick Engineers</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q3586</u>
Sample No :	<u>Q3586-03MSD</u>	Datafile:	<u>FF016727.D</u>
		Client ID :	<u>SED-3MSD</u>

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	13.1	0.25	8.32	62		2.3 (40-140) 50
Aromatic C12-C16	19.6	4.66	14.0	48		4.29 (40-140) 50
Aromatic C16-C21	32.7	2.53	33.7	95		20 (40-140) 50
Aromatic C21-C36	52.4	0	46.2	88		2.76 (40-140) 50

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS (%) QC Limit Of RPD
1,2,3-Trimethylbenzene (C10.1)	6.5	0.0174	4.0914	63		3.23 (40-140) 50
Naphthalene (C11.7)	6.5	0.0256	3.9334	60		3.39 (40-140) 50
2-Methylnaphthalene (C12.89)	6.5	0.0251	3.6731	56		3.64 (40-140) 50
Acenaphthylene (C15.06)	6.5	0.0198	4.2409	65		3.13 (40-140) 50
Acenaphthene (C15.5)	6.5	0.0000	4.3457	67		3.03 (40-140) 50
Fluorene (C16.55)	6.5	0.0116	4.7286	73		2.78 (40-140) 50
Phenanthrene (C19.36)	6.5	0.0074	4.8057	74		2.74 (40-140) 50
Anthracene (C19.43)	6.5	0.0042	4.9010	75		2.7 (40-140) 50
Pyrene (C20.8)	6.5	0.0000	4.6533	72		2.82 (40-140) 50
Fluoranthene (C21.85)	6.5	0.0612	4.7658	72		1.4 (40-140) 50
Benzo[a]anthracene (C26.37)	6.5	0.0292	11.4626	176	*	2.88 (40-140) 50
Chrysene (C27.41)	6.5	0.0397	9.2512	142	*	2.86 (40-140) 50
Bnezo[k]fluoranthene (C30.14)	6.5	0.0172	9.8341	151	*	2.68 (40-140) 50
Dibenz[a,h]anthracene (C30.36)	6.5	0.0631	9.3972	144	*	3.53 (40-140) 50
benzo[b]fluoranthene (C30.41)	6.5	0.0189	10.8082	166	*	2.44 (40-140) 50
Benzo[a]pyrene (C31.34)	6.5	0.0050	5.2704	81		2.5 (40-140) 50
Benzo[g,h,i]perylene (C34.01)	6.5	0.0113	5.8548	90		3.39 (40-140) 50
Indeno[1,2,3-cd]pyrene (C35.01)	6.5	0.0966	14.3815	220	*	3.23 (40-140) 50

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>Remington & Vernick Engineers</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q3586</u>
Sample No :	<u>Q3586-03MS</u>	Datafile:	<u>FG016960.D</u>
		Client ID :	<u>SED-3MS</u>

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
Aliphatic C9-C12	19.6	0.38	9.59	47		(40-140)
Aliphatic C12-C16	13.1	0.34	8.55	63		(40-140)
Aliphatic C16-C21	19.6	0.45	13.9	68		(40-140)
Aliphatic C21-C28	26.2	1.28	17.2	61		(40-140)
Aliphatic C28-C40	39.3	4.64	26.9	57		(40-140)

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
n-Nonane (C9)	6.5	0.0085	2.6093	40		(40-140)
n-Decane (C10)	6.5	0.0231	3.1071	47		(40-140)
Naphthalene (C11.7)	6.5	0.0100	0.0127	0	*	(40-140)
n-Dodecane (C12)	6.5	0.0412	3.4882	53		(40-140)
2-methylnaphthalene (C12.89)	6.5	0.0167	0.0214	0	*	(40-140)
n-Tetradecane (C14)	6.5	0.0387	3.8635	59		(40-140)
n-Hexadecane (C16)	6.5	0.0242	4.2604	65		(40-140)
n-Octadecane (C18)	6.5	0.0460	4.4257	67		(40-140)
n-Eicosane (C20)	6.5	0.0478	4.5381	69		(40-140)
n-Heneicosane (C21)	6.5	0.0828	4.6036	70		(40-140)
n-Docosane (C22)	6.5	0.1224	4.4766	67		(40-140)
n-Tetracosane (C24)	6.6	0.0998	4.2681	63		(40-140)
n-Hexacosane (C26)	6.5	0.1113	4.1255	62		(40-140)
n-Octacosane (C28)	6.5	0.1280	3.9400	59		(40-140)
n-Tricontane (C30)	6.5	0.1491	3.6114	53		(40-140)
n-Dotriacontane (C32)	6.5	0.1422	3.5159	52		(40-140)
n-Tetratriacontane (C34)	6.5	0.1643	3.8081	56		(40-140)
n-Hexatriacontane (C36)	6.5	0.2172	4.5077	66		(40-140)
n-Octatriacontane (C38)	6.5	0.2855	5.2253	76		(40-140)
n-Tetracontane (C40)	6.5	0.0888	5.0576	76		(40-140)

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>Remington & Vernick Engineers</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q3586</u>
Sample No :	<u>Q3586-03MSD</u>	Datafile:	<u>FG016961.D</u>
		Client ID :	<u>SED-3MSD</u>

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	19.6	0.38	9.47	46		1.29 (40-140)	50
Aliphatic C12-C16	13.1	0.34	8.48	62		0.96 (40-140)	50
Aliphatic C16-C21	19.6	0.45	13.7	68		1.47 (40-140)	50
Aliphatic C21-C28	26.2	1.28	16.9	60		1.99 (40-140)	50
Aliphatic C28-C40	39.3	4.64	26.7	56		0.89 (40-140)	50

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS (%)	QC Limit Of RPD
n-Nonane (C9)	6.5	0.0085	2.5740	39	*	2.53 (40-140)	50
n-Decane (C10)	6.5	0.0231	3.0639	47		0 (40-140)	50
Naphthalene (C11.7)	6.5	0.0100	0.0104	0	*	0 (40-140)	50
n-Dodecane (C12)	6.5	0.0412	3.4272	52		1.9 (40-140)	50
2-methylnaphthalene (C12.89)	6.5	0.0167	0.0160	0	*	0 (40-140)	50
n-Tetradecane (C14)	6.5	0.0387	3.8167	58		1.71 (40-140)	50
n-Hexadecane (C16)	6.5	0.0242	4.2067	64		1.55 (40-140)	50
n-Octadecane (C18)	6.5	0.0460	4.3541	66		1.5 (40-140)	50
n-Eicosane (C20)	6.5	0.0478	4.4893	68		1.46 (40-140)	50
n-Heneicosane (C21)	6.5	0.0828	4.5310	68		2.9 (40-140)	50
n-Docosane (C22)	6.5	0.1224	4.4342	66		1.5 (40-140)	50
n-Tetracosane (C24)	6.6	0.0998	4.1979	62		1.6 (40-140)	50
n-Hexacosane (C26)	6.5	0.1113	4.0650	61		1.63 (40-140)	50
n-Octacosane (C28)	6.5	0.1280	3.8824	58		1.71 (40-140)	50
n-Tricontane (C30)	6.5	0.1491	3.5522	52		1.9 (40-140)	50
n-Dotriacontane (C32)	6.5	0.1422	3.4580	51		1.94 (40-140)	50
n-Tetratriacontane (C34)	6.5	0.1643	3.7474	55		1.8 (40-140)	50
n-Hexatriacontane (C36)	6.5	0.2172	4.4555	65		1.53 (40-140)	50
n-Octatriacontane (C38)	6.5	0.2855	4.9740	72		5.41 (40-140)	50
n-Tetracontane (C40)	6.5	0.0888	4.9568	75		1.32 (40-140)	50

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>Remington & Vernick Engineers</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q3586</u>
Sample No :	<u>PB170577BS</u>	Datafile:	<u>FF016717.D</u>
		Client ID :	<u>PB170577BS</u>

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
Aromatic C10-C12	6.7	5.25	79		(40-140)
Aromatic C12-C16	10	8.68	87		(40-140)
Aromatic C16-C21	16.7	15.1	91		(40-140)
Aromatic C21-C36	26.6	26.4	99		(40-140)

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS(%)
1,2,3-Trimethylbenzene (C10.1)	3.3	2.44449	74		(40-140)
Naphthalene (C11.7)	3.3	2.80427	85		(40-140)
2-Methylnaphthalene (C12.89)	3.3	2.69687	82		(40-140)
Acenaphthylene (C15.06)	3.3	2.98726	91		(40-140)
Acenaphthene (C15.5)	3.3	2.99460	91		(40-140)
Fluorene (C16.55)	3.3	3.17257	96		(40-140)
Phenanthrene (C19.36)	3.3	3.08636	94		(40-140)
Anthracene (C19.43)	3.3	2.84811	86		(40-140)
Fluoranthene (C21.85)	3.3	2.96688	90		(40-140)
Pyrene (C20.8)	3.3	2.95327	89		(40-140)
Benzo[a]anthracene (C26.37)	3.3	3.27523	99		(40-140)
Chrysene (C27.41)	3.3	3.18420	96		(40-140)
benzo[b]fluoranthene (C30.41)	3.3	3.35681	102		(40-140)
Bnezo[k]fluoranthene (C30.14)	3.3	3.13261	95		(40-140)
Benzo[a]pyrene (C31.34)	3.3	3.36007	102		(40-140)
Indeno[1,2,3-cd]pyrene (C35.01)	3.3	4.65676	140		(40-140)
Dibenz[a,h]anthracene (C30.36)	3.3	2.85656	87		(40-140)
Benzo[g,h,i]perylene (C34.01)	3.3	3.65312	111		(40-140)

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>Remington & Vernick Engineers</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q3586</u>
Sample No :	<u>PB170577BSD</u>	Datafile:	<u>FF016718.D</u>
		Client ID :	<u>PB170577BSD</u>

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS (%)	QC Limit Of RPD
Aromatic C10-C12	6.7	4.78	72		9.4 (40-140)	25
Aromatic C12-C16	10	7.91	79		9.3 (40-140)	25
Aromatic C16-C21	16.7	13.7	82		9.8 (40-140)	25
Aromatic C21-C36	26.6	24.2	91		9.6 (40-140)	25

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS(%)	QC Limit Of RPD
1,2,3-Trimethylbenzene (C10.1)	3.3	2.22843	68		8.45 (40-140)	25
Naphthalene (C11.7)	3.3	2.54983	77		9.88 (40-140)	25
2-Methylnaphthalene (C12.89)	3.3	2.45250	74		10.26 (40-140)	25
Acenaphthylene (C15.06)	3.3	2.72131	82		10.4 (40-140)	25
Acenaphthene (C15.5)	3.3	2.73237	83		9.2 (40-140)	25
Flouorene (C16.55)	3.3	2.91102	88		8.7 (40-140)	25
Phenanthrene (C19.36)	3.3	2.80421	85		10.06 (40-140)	25
Anthracene (C19.43)	3.3	2.60062	79		8.48 (40-140)	25
Fluoranthene (C21.85)	3.3	2.68790	81		10.53 (40-140)	25
Pyrene (C20.8)	3.3	2.67651	81		9.41 (40-140)	25
Benzo[a]anthracene (C26.37)	3.3	2.95968	90		9.52 (40-140)	25
Chrysene (C27.41)	3.3	2.88280	87		9.84 (40-140)	25
benzo[b]fluoranthene (C30.41)	3.3	3.03739	92		10.31 (40-140)	25
Bnezo[k]fluoranthene (C30.14)	3.3	2.86089	87		8.79 (40-140)	25
Benzo[a]pyrene (C31.34)	3.3	3.04916	92		10.31 (40-140)	25
Indeno[1,2,3-cd]pyrene (C35.01)	3.3	4.28072	130		8.12 (40-140)	25
Dibenz[a,h]anthracene (C30.36)	3.3	2.76091	84		3.51 (40-140)	25
Benzo[g,h,i]perylene (C34.01)	3.3	3.28095	99		11.43 (40-140)	25

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>Remington & Vernick Engineers</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q3586</u>
Sample No :	<u>PB170577BS</u>	Datafile:	<u>FG016927.D</u>
		Client ID :	<u>PB170577BS</u>

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
Aliphatic C9-C12	10	5.57	56		(40-140)
Aliphatic C12-C16	6.7	5.04	76		(40-140)
Aliphatic C16-C21	10	8.70	87		(40-140)
Aliphatic C21-C28	13.3	11.0	83		(40-140)
Aliphatic C28-C40	20.0	16.5	83		(40-140)

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS(%)
n-Nonane (C9)	3.3	1.55454	47		(40-140)
n-Decane (C10)	3.3	1.87240	57		(40-140)
Naphthalene (C11.7)	3.3	0.00000	0	*	(40-140)
n-Dodecane (C12)	3.3	2.13160	65		(40-140)
2-methylnaphthalene (C12.89)	3.3	0.00000	0	*	(40-140)
n-Tetradecane (C14)	3.3	2.40658	73		(40-140)
n-Hexadecane (C16)	3.3	2.62515	80		(40-140)
n-Octadecane (C18)	3.3	2.76795	84		(40-140)
n-Eicosane (C20)	3.3	2.94637	89		(40-140)
n-Heneicosane (C21)	3.3	2.98377	90		(40-140)
n-Docosane (C22)	3.3	2.93712	89		(40-140)
n-Tetracosane (C24)	3.4	2.79723	82		(40-140)
n-Hexacosane (C26)	3.3	2.71760	82		(40-140)
n-Octacosane (C28)	3.3	2.60291	79		(40-140)
n-Tricontane (C30)	3.3	2.37443	72		(40-140)
n-Dotriacontane (C32)	3.3	2.31710	70		(40-140)
n-Tetratriacontane (C34)	3.3	2.52969	77		(40-140)
n-Hexatriacontane (C36)	3.3	2.93256	89		(40-140)
n-Octatriacontane (C38)	3.3	3.32705	101		(40-140)
n-Tetracontane (C40)	3.3	3.62189	110		(40-140)

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>Remington & Vernick Engineers</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q3586</u>
Sample No :	<u>PB170577BSD</u>	Datafile:	<u>FG016928.D</u>
		Client ID :	<u>PB170577BSD</u>

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS (%) QC Limit Of RPD
Aliphatic C9-C12	10	5.61	56		0.6 (40-140) 25
Aliphatic C12-C16	6.7	5.07	76		0.52 (40-140) 25
Aliphatic C16-C21	10	8.78	88		0.86 (40-140) 25
Aliphatic C21-C28	13.3	11.1	83		0.85 (40-140) 25
Aliphatic C28-C40	20.0	16.5	83		0.0544 (40-140) 25

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS(%) QC Limit Of RPD
n-Nonane (C9)	3.3	1.56744	47		0 (40-140) 25
n-Decane (C10)	3.3	1.88798	57		0 (40-140) 25
Naphthalene (C11.7)	3.3	0.00000	0	*	0 (40-140) 25
n-Dodecane (C12)	3.3	2.14813	65		0 (40-140) 25
2-methylnaphthalene (C12.89)	3.3	0.00000	0	*	0 (40-140) 25
n-Tetradecane (C14)	3.3	2.42590	74		1.36 (40-140) 25
n-Hexadecane (C16)	3.3	2.64323	80		0 (40-140) 25
n-Octadecane (C18)	3.3	2.79630	85		1.18 (40-140) 25
n-Eicosane (C20)	3.3	2.97445	90		1.12 (40-140) 25
n-Heneicosane (C21)	3.3	3.01273	91		1.1 (40-140) 25
n-Docosane (C22)	3.3	2.96219	90		1.12 (40-140) 25
n-Tetracosane (C24)	3.4	2.82008	83		1.21 (40-140) 25
n-Hexacosane (C26)	3.3	2.73810	83		1.21 (40-140) 25
n-Octacosane (C28)	3.3	2.62078	79		0 (40-140) 25
n-Tricontane (C30)	3.3	2.38649	72		0 (40-140) 25
n-Dotriacontane (C32)	3.3	2.32907	71		1.42 (40-140) 25
n-Tetratriacontane (C34)	3.3	2.53547	77		0 (40-140) 25
n-Hexatriacontane (C36)	3.3	2.93949	89		0 (40-140) 25
n-Octatriacontane (C38)	3.3	3.33514	101		0 (40-140) 25
n-Tetracontane (C40)	3.3	3.63188	110		0 (40-140) 25

4B
METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

PB170577BL

Lab Name: Alliance

Contract: REMI02

Lab Code: ACE

SDG NO.: Q3586

Instrument ID: FID_F

Lab Sample ID: PB170577BL

Matrix: (soil/water) Solid

Date Extracted: 11/17/2025 9:50:00

Level: (low/med) low

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

CLIENT SAMPLE NO.	LAB SAMPLE ID
PB170577BS	PB170577BS
PB170577BSD	PB170577BSD
SED-1	Q3586-01
SED-2	Q3586-02
SED-3	Q3586-03
SED-3MS	Q3586-03MS
SED-3MSD	Q3586-03MSD

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/06/25
Project:	Edison Landfill	Date Received:	11/07/25
Client Sample ID:	SED-1	SDG No.:	Q3586
Lab Sample ID:	Q3586-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	62.9
Sample Wt/Vol:	30.04 g	Test:	EPH
Prep Method :	Final Vol: 2000 uL Prep Date : 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C9-C12	Aliphatic C9-C12	0.26	J	1	0.22	1.59	mg/kg	FG016929.D	11/17/25 18:02	PB170577
Aliphatic C12-C16	Aliphatic C12-C16	0.34	J	1	0.18	1.06	mg/kg	FG016929.D	11/17/25 18:02	PB170577
Aliphatic C16-C21	Aliphatic C16-C21	0.25	J	1	0.21	1.59	mg/kg	FG016929.D	11/17/25 18:02	PB170577
Aliphatic C21-C28	Aliphatic C21-C28	0.84	U	1	0.84	2.12	mg/kg	FG016929.D	11/17/25 18:02	PB170577
Aliphatic C28-C40	Aliphatic C28-C40	2.94	J	1	1.87	3.18	mg/kg	FG016929.D	11/17/25 18:02	PB170577
Aromatic C10-C12	Aromatic C10-C12	0.20	J	1	0.19	1.06	mg/kg	FF016722.D	11/17/25 18:02	PB170577
Aromatic C12-C16	Aromatic C12-C16	4.49		1	0.37	1.59	mg/kg	FF016722.D	11/17/25 18:02	PB170577
Aromatic C16-C21	Aromatic C16-C21	2.15	J	1	0.64	2.65	mg/kg	FF016722.D	11/17/25 18:02	PB170577
Aromatic C21-C36	Aromatic C21-C36	1.89	U	1	1.89	4.23	mg/kg	FF016722.D	11/17/25 18:02	PB170577
Total AliphaticEPH	Total AliphaticEPH	3.79	J		3.31	9.54	mg/kg			
Total AromaticEPH	Total AromaticEPH	6.84	J		3.08	9.53	mg/kg			
Total EPH	Total EPH	10.6	J		6.39	19.1	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:	Remington & Vernick Engineers	Date Collected:	11/06/25
Project:	Edison Landfill	Date Received:	11/07/25
Client Sample ID:	SED-1	SDG No.:	Q3586
Lab Sample ID:	Q3586-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	62.9
Sample Wt/Vol:	30.04 g	Final Vol:	2000 uL
Prep Method :		Test:	EPH
	Prep Date	11/17/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aromatic C10-C12	Aromatic C10-C12	0.20	J	1	0.19	1.06	mg/kg	11/17/25	PB170577
Aromatic C12-C16	Aromatic C12-C16	4.49		1	0.37	1.59	mg/kg	11/17/25	PB170577
Aromatic C16-C21	Aromatic C16-C21	2.15	J	1	0.64	2.65	mg/kg	11/17/25	PB170577
Aromatic C21-C36	Aromatic C21-C36	1.89	U	1	1.89	4.23	mg/kg	11/17/25	PB170577
SURROGATES									
580-13-2	2-Bromonaphthalene (SURR)	45.7			40 - 140	91%	SPK: 50		
321-60-8	2-Fluorobiphenyl (SURR)	48.5			40 - 140	97%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	39.1			40 - 140	78%	SPK: 50		

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q3586-01	Acq On:	17 Nov 2025 18:02
Client Sample ID:	SED-1	Operator:	YP\AJ
Data file:	FF016722.D	Misc:	
Instrument:	FID_F	ALS Vial:	76
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.502	6.378	246554	1.868	200	ug/ml
Aromatic C12-C16	6.379	9.083	5728768	42.383	300	ug/ml
Aromatic C16-C21	9.084	13.405	2711844	20.277	500	ug/ml
Aromatic C21-C36	13.406	18.870	676517	5.749	800	ug/ml
Aromatic EPH	4.502	18.870	9363683	70.277		ug/ml
ortho-Terphenyl (SURR)	11.953	11.953	5739038	39.08		ug/ml
2-Bromonaphthalene (SURR)	8.009	8.009	5178641	45.7		ug/ml
2-Fluorobiphenyl (SURR)	8.886	8.886	3463002	48.55		ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111725AR\
 Data File : FF016722.D
 Signal(s) : FID2B.ch
 Acq On : 17 Nov 2025 18:02
 Operator : YP\AJ
 Sample : Q3586-01
 Misc :
 ALS Vial : 76 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 SED-1

Integration File: autoint1.e
 Quant Time: Nov 18 00:33:53 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 29 18:27:43 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	8.009	5178641	45.699 ug/ml
Spiked Amount 50.000		Recovery =	91.40%
6) S 2-Fluorobiphenyl (SURR)	8.886	3463002	48.555 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	97.11%
11) S ortho-Terphenyl (SURR)	11.953	5739038	39.080 ug/ml
Spiked Amount 50.000		Recovery =	78.16%

Target Compounds

(f)=RT Delta > 1/2 Window

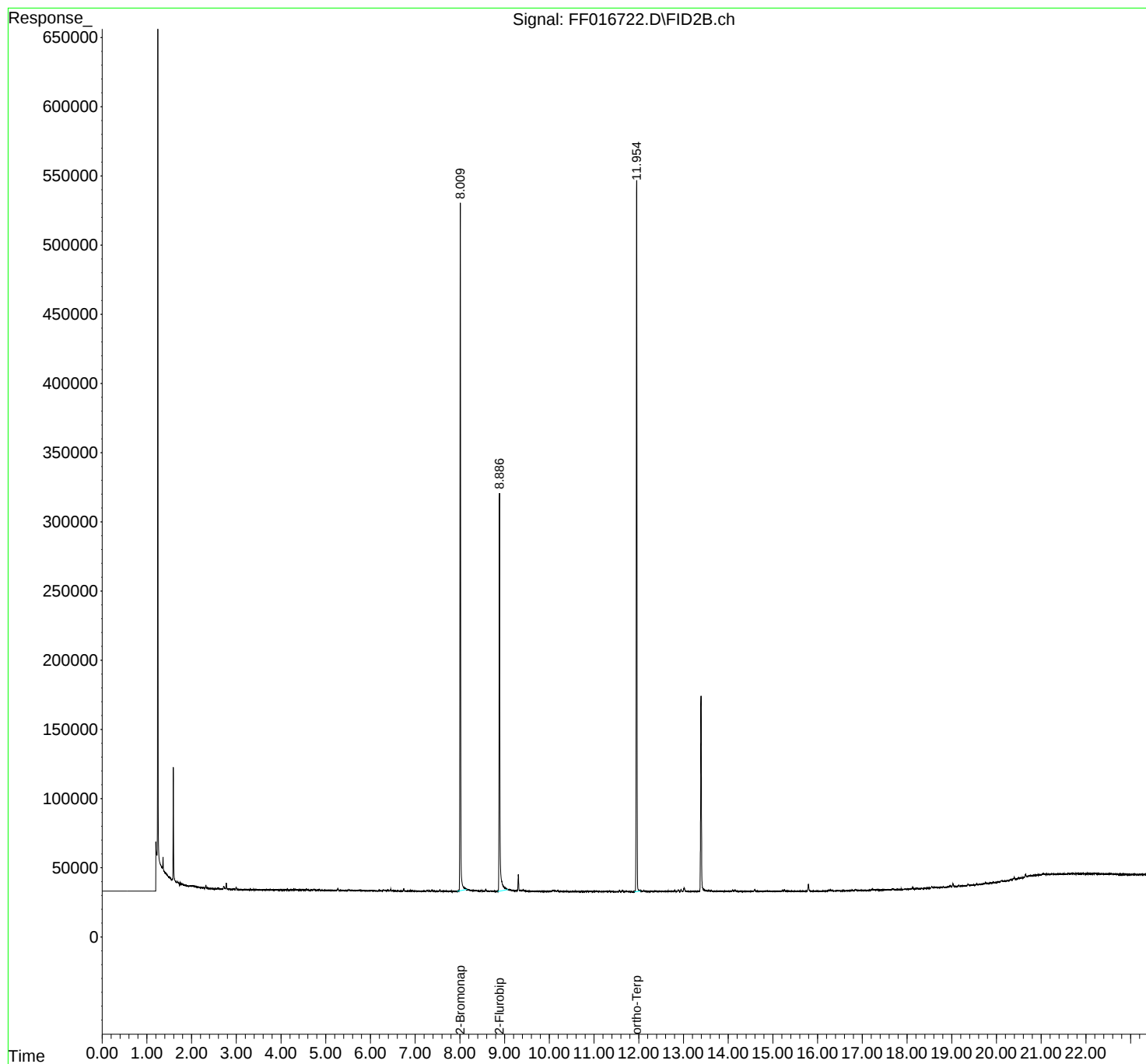
(m)=manual int.

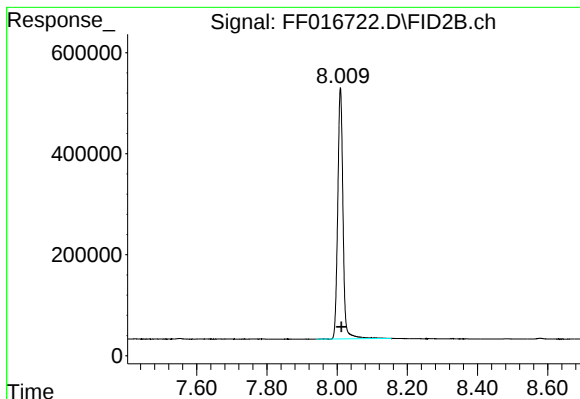
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111725AR\
Data File : FF016722.D
Signal(s) : FID2B.ch
Acq On : 17 Nov 2025 18:02
Operator : YP\AJ
Sample : Q3586-01
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
SED-1

Integration File: autoint1.e
Quant Time: Nov 18 00:33:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 18:27:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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

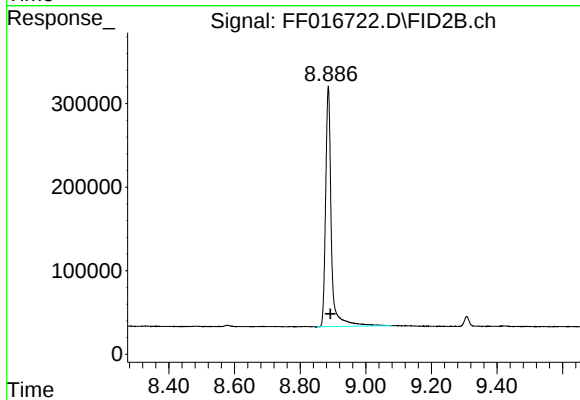




#4 2-Bromonaphthalene (SURRE)

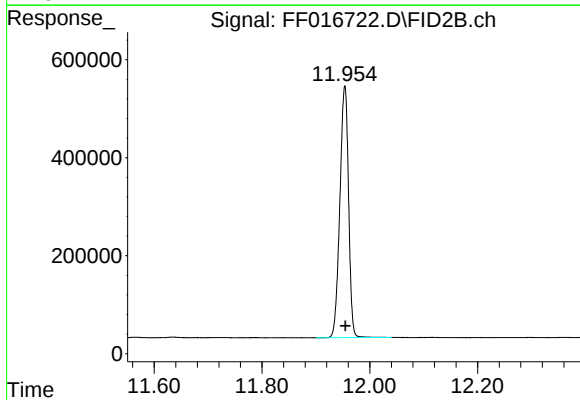
R.T.: 8.009 min
Delta R.T.: -0.003 min
Response: 5178641
Conc: 45.70 ug/ml

Instrument :
FID_F
ClientSampleId :
SED-1



#6 2-Fluorobiphenyl (SURRE)

R.T.: 8.886 min
Delta R.T.: -0.007 min
Response: 3463002
Conc: 48.55 ug/ml



#11 ortho-Terphenyl (SURRE)

R.T.: 11.953 min
Delta R.T.: -0.001 min
Response: 5739038
Conc: 39.08 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111725AR\
 Data File : FF016722.D
 Signal(s) : FID2B.ch
 Acq On : 17 Nov 2025 18:02
 Sample : Q3586-01
 Misc :
 ALS Vial : 76 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.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	4.426	4.422	4.459	PV	79	1046	0.02%	0.006%
2	4.475	4.459	4.506	VV	301	4736	0.08%	0.025%
3	4.567	4.534	4.585	VV	899	11801	0.20%	0.063%
4	4.604	4.585	4.631	VV	333	4965	0.09%	0.026%
5	4.637	4.631	4.662	VV	151	1801	0.03%	0.010%
6	4.680	4.662	4.705	VV	448	7536	0.13%	0.040%
7	4.733	4.705	4.747	VV	913	10811	0.19%	0.058%
8	4.756	4.747	4.777	VV	658	7231	0.13%	0.039%
9	4.783	4.777	4.801	VV	196	1931	0.03%	0.010%
10	4.818	4.801	4.833	VV	431	4738	0.08%	0.025%
11	4.853	4.833	4.875	VV	885	8968	0.16%	0.048%
12	4.883	4.875	4.910	VV	175	2574	0.04%	0.014%
13	4.931	4.917	4.940	VV	190	1955	0.03%	0.010%
14	4.985	4.940	5.005	VV	229	5397	0.09%	0.029%
15	5.030	5.005	5.042	VV	185	2163	0.04%	0.012%
16	5.067	5.042	5.107	VV	261	5051	0.09%	0.027%
17	5.119	5.107	5.134	VV	149	1302	0.02%	0.007%
18	5.147	5.134	5.160	VV	152	1542	0.03%	0.008%
19	5.182	5.170	5.194	VV	202	1699	0.03%	0.009%
20	5.214	5.194	5.225	VV	202	1720	0.03%	0.009%
21	5.246	5.225	5.253	VV	245	2818	0.05%	0.015%
22	5.272	5.253	5.308	VV	1824	22772	0.39%	0.121%
23	5.332	5.308	5.368	VV	472	7656	0.13%	0.041%
24	5.389	5.368	5.428	VV	307	5430	0.09%	0.029%
25	5.449	5.443	5.474	VV	80	1551	0.03%	0.008%
26	5.487	5.474	5.495	VV	140	1191	0.02%	0.006%
27	5.517	5.495	5.552	VV	916	15754	0.27%	0.084%
28	5.563	5.552	5.569	VV	349	2890	0.05%	0.015%
29	5.572	5.569	5.584	VV	299	2573	0.04%	0.014%
30	5.587	5.584	5.624	VV	269	4608	0.08%	0.025%
31	5.627	5.624	5.642	VV	156	1303	0.02%	0.007%
32	5.648	5.642	5.660	VV	199	1380	0.02%	0.007%
33	5.671	5.660	5.681	VV	228	2093	0.04%	0.011%
34	5.707	5.692	5.726	VV	503	6839	0.12%	0.036%
35	5.756	5.726	5.780	VV	607	11148	0.19%	0.059%
36	5.809	5.780	5.818	VV	293	3851	0.07%	0.021%

					rteres			
37	5.820	5.818	5.834	VV	184	1322	0.02%	0.007%
38	5.859	5.844	5.877	VV	227	2969	0.05%	0.016%
39	5.909	5.887	5.952	VV	262	5653	0.10%	0.030%
40	5.971	5.952	5.986	VV	227	2327	0.04%	0.012%
41	6.007	5.986	6.039	VV	229	5337	0.09%	0.028%
42	6.059	6.039	6.069	VV	333	3097	0.05%	0.017%
43	6.082	6.069	6.121	VV	312	5056	0.09%	0.027%
44	6.147	6.121	6.162	PV	155	2128	0.04%	0.011%
45	6.198	6.174	6.230	VV	598	9389	0.16%	0.050%
46	6.245	6.230	6.269	VV	312	4852	0.08%	0.026%
47	6.292	6.269	6.332	VV	745	18630	0.32%	0.099%
48	6.345	6.332	6.371	VV	624	8752	0.15%	0.047%
49	6.390	6.371	6.417	VV	956	13717	0.24%	0.073%
50	6.422	6.417	6.431	VV	252	1837	0.03%	0.010%
51	6.457	6.431	6.493	VV	1343	17606	0.30%	0.094%
52	6.518	6.493	6.527	VV	323	5109	0.09%	0.027%
53	6.532	6.527	6.559	VV	338	4631	0.08%	0.025%
54	6.572	6.559	6.602	VV	194	4805	0.08%	0.026%
55	6.609	6.602	6.645	VV	215	4282	0.07%	0.023%
56	6.746	6.717	6.779	VV	2004	24525	0.42%	0.131%
57	6.786	6.779	6.794	VV	160	1154	0.02%	0.006%
58	6.799	6.794	6.810	VV	134	1070	0.02%	0.006%
59	6.833	6.810	6.848	VV	357	4932	0.09%	0.026%
60	6.871	6.848	6.885	VV	329	4948	0.09%	0.026%
61	6.900	6.885	6.925	VV	757	9744	0.17%	0.052%
62	6.935	6.925	6.952	VV	333	3527	0.06%	0.019%
63	6.974	6.952	7.002	VV	522	7563	0.13%	0.040%
64	7.032	7.002	7.054	VV	223	4326	0.07%	0.023%
65	7.089	7.054	7.121	PV	194	3720	0.06%	0.020%
66	7.147	7.134	7.182	VV	239	3080	0.05%	0.016%
67	7.202	7.182	7.235	VV	419	6449	0.11%	0.034%
68	7.258	7.235	7.298	VV	588	13871	0.24%	0.074%
69	7.324	7.298	7.347	VV	610	11230	0.19%	0.060%
70	7.388	7.347	7.408	VV	698	15199	0.26%	0.081%
71	7.425	7.408	7.444	VV	483	6618	0.11%	0.035%
72	7.447	7.444	7.460	VV	140	1197	0.02%	0.006%
73	7.464	7.460	7.482	VV	182	1730	0.03%	0.009%
74	7.493	7.482	7.517	VV	227	3272	0.06%	0.017%
75	7.522	7.517	7.530	VV	194	1195	0.02%	0.006%
76	7.551	7.530	7.588	VV	1250	15769	0.27%	0.084%
77	7.612	7.588	7.621	VV	286	3312	0.06%	0.018%
78	7.627	7.621	7.634	VV	238	1492	0.03%	0.008%
79	7.640	7.634	7.650	VV	776	1960	0.03%	0.010%
80	7.662	7.650	7.675	VV	240	2695	0.05%	0.014%
81	7.697	7.675	7.714	VV	357	5530	0.10%	0.030%
82	7.722	7.714	7.745	VV	148	1973	0.03%	0.011%
83	7.764	7.745	7.779	VV	278	4174	0.07%	0.022%
84	7.787	7.779	7.811	VV	223	2730	0.05%	0.015%
85	7.832	7.811	7.836	PV	117	1021	0.02%	0.005%
86	7.860	7.836	7.886	VV	185	3221	0.06%	0.017%
87	7.910	7.902	7.921	VV	190	1318	0.02%	0.007%
88	7.962	7.943	7.978	VV	530	5582	0.10%	0.030%
89	8.010	7.978	8.102	VV	497578	5206894	90.14%	27.777%

					rteres			
90	8.110	8.102	8.219	VV	2514	112544	1.95%	0.600%
91	8.224	8.219	8.249	VV	997	15924	0.28%	0.085%
92	8.273	8.249	8.307	VV	951	27454	0.48%	0.146%
93	8.328	8.307	8.352	VV	946	19181	0.33%	0.102%
94	8.357	8.352	8.365	VV	564	4454	0.08%	0.024%
95	8.371	8.365	8.385	VV	600	6146	0.11%	0.033%
96	8.392	8.385	8.419	VV	502	8620	0.15%	0.046%
97	8.425	8.419	8.456	VV	413	8353	0.14%	0.045%
98	8.483	8.456	8.519	VV	675	17491	0.30%	0.093%
99	8.525	8.519	8.546	VV	385	5644	0.10%	0.030%
100	8.578	8.546	8.636	VV	1862	33983	0.59%	0.181%
101	8.642	8.636	8.652	VV	319	2188	0.04%	0.012%
102	8.658	8.652	8.661	VV	251	1060	0.02%	0.006%
103	8.676	8.661	8.683	VV	396	4381	0.08%	0.023%
104	8.687	8.683	8.691	VV	359	1638	0.03%	0.009%
105	8.694	8.691	8.701	VV	378	1920	0.03%	0.010%
106	8.706	8.701	8.717	VV	344	2723	0.05%	0.015%
107	8.723	8.717	8.757	VV	382	5814	0.10%	0.031%
108	8.771	8.757	8.797	VV	296	4506	0.08%	0.024%
109	8.813	8.797	8.842	VV	374	5736	0.10%	0.031%
110	8.886	8.850	9.110	VV	287928	3599460	62.31%	19.202%
111	9.124	9.110	9.174	VV	1361	42932	0.74%	0.229%
112	9.182	9.174	9.206	VV	901	14941	0.26%	0.080%
113	9.212	9.206	9.221	VV	753	6051	0.10%	0.032%
114	9.230	9.221	9.252	VV	748	11986	0.21%	0.064%
115	9.259	9.252	9.281	VV	667	10089	0.17%	0.054%
116	9.308	9.281	9.357	VV	12449	150087	2.60%	0.801%
117	9.362	9.357	9.372	VV	709	5945	0.10%	0.032%
118	9.376	9.372	9.378	VV	639	2484	0.04%	0.013%
119	9.388	9.378	9.400	VV	737	9390	0.16%	0.050%
120	9.421	9.400	9.452	VV	1179	24711	0.43%	0.132%
121	9.460	9.452	9.483	VV	543	9010	0.16%	0.048%
122	9.495	9.483	9.518	VV	495	8150	0.14%	0.043%
123	9.528	9.518	9.532	VV	330	2507	0.04%	0.013%
124	9.542	9.532	9.577	VV	381	7533	0.13%	0.040%
125	9.598	9.577	9.618	VV	393	7749	0.13%	0.041%
126	9.626	9.618	9.675	VV	349	8202	0.14%	0.044%
127	9.700	9.675	9.712	VV	329	5465	0.09%	0.029%
128	9.716	9.712	9.738	VV	278	2681	0.05%	0.014%
129	9.742	9.738	9.755	VV	193	1459	0.03%	0.008%
130	9.774	9.755	9.809	VV	409	8901	0.15%	0.047%
131	9.816	9.809	9.840	VV	163	3033	0.05%	0.016%
132	9.858	9.840	9.872	VV	260	3671	0.06%	0.020%
133	9.876	9.872	9.884	VV	202	1194	0.02%	0.006%
134	9.890	9.884	9.897	VV	188	1217	0.02%	0.006%
135	9.917	9.897	9.955	VV	314	6539	0.11%	0.035%
136	9.966	9.955	9.995	VV	286	4635	0.08%	0.025%
137	10.022	9.995	10.048	VV	512	8501	0.15%	0.045%
138	10.074	10.048	10.095	VV	928	18998	0.33%	0.101%
139	10.109	10.095	10.128	VV	987	15847	0.27%	0.085%
140	10.132	10.128	10.169	VV	648	11328	0.20%	0.060%
141	10.189	10.169	10.215	VV	1119	17908	0.31%	0.096%

					rteres			
142	10.220	10.215	10.239	VV	348	3401	0.06%	0.018%
143	10.255	10.239	10.280	VV	304	5538	0.10%	0.030%
144	10.284	10.280	10.300	VV	194	2340	0.04%	0.012%
145	10.304	10.300	10.317	VV	191	1649	0.03%	0.009%
146	10.325	10.317	10.336	VV	178	1911	0.03%	0.010%
147	10.354	10.344	10.369	VV	219	2456	0.04%	0.013%
148	10.372	10.369	10.385	VV	174	1243	0.02%	0.007%
149	10.392	10.385	10.444	VV	176	4298	0.07%	0.023%
150	10.467	10.444	10.487	VV	107	2414	0.04%	0.013%
151	10.511	10.487	10.546	VV	285	5992	0.10%	0.032%
152	10.581	10.546	10.600	VV	218	5068	0.09%	0.027%
153	10.615	10.600	10.643	VV	314	5023	0.09%	0.027%
154	10.675	10.643	10.689	VV	203	3493	0.06%	0.019%
155	10.710	10.689	10.731	VV	347	4923	0.09%	0.026%
156	10.744	10.731	10.777	VV	251	4568	0.08%	0.024%
157	10.794	10.777	10.802	VV	251	2671	0.05%	0.014%
158	10.813	10.802	10.845	VV	256	5304	0.09%	0.028%
159	10.865	10.845	10.896	VV	311	7501	0.13%	0.040%
160	10.927	10.896	10.967	VV	417	11708	0.20%	0.062%
161	10.980	10.967	11.005	VV	283	4605	0.08%	0.025%
162	11.055	11.005	11.092	VV	602	16072	0.28%	0.086%
163	11.118	11.092	11.140	VV	228	5038	0.09%	0.027%
164	11.148	11.140	11.176	VV	198	2795	0.05%	0.015%
165	11.219	11.176	11.232	VV	187	4655	0.08%	0.025%
166	11.241	11.232	11.258	VV	240	2839	0.05%	0.015%
167	11.266	11.258	11.296	VV	214	4146	0.07%	0.022%
168	11.308	11.296	11.333	VV	223	4452	0.08%	0.024%
169	11.351	11.333	11.407	VV	254	8100	0.14%	0.043%
170	11.435	11.407	11.455	VV	241	3474	0.06%	0.019%
171	11.468	11.455	11.479	VV	142	1124	0.02%	0.006%
172	11.489	11.479	11.507	VV	136	1249	0.02%	0.007%
173	11.518	11.507	11.539	VV	151	1336	0.02%	0.007%
174	11.565	11.539	11.600	PV	1046	15494	0.27%	0.083%
175	11.635	11.600	11.669	VV	1334	20313	0.35%	0.108%
176	11.678	11.669	11.696	VV	190	2242	0.04%	0.012%
177	11.713	11.696	11.750	VV	364	7000	0.12%	0.037%
178	11.765	11.750	11.812	VV	151	3969	0.07%	0.021%
179	11.839	11.812	11.847	VV	135	1581	0.03%	0.008%
180	11.858	11.847	11.901	VV	93	1863	0.03%	0.010%
181	11.953	11.901	12.080	PV	515456	5776486	100.00%	30.815%
182	12.116	12.080	12.187	VV	827	23380	0.40%	0.125%
183	12.204	12.187	12.213	VV	192	2639	0.05%	0.014%
184	12.225	12.213	12.239	VV	250	2880	0.05%	0.015%
185	12.297	12.239	12.332	VV	545	15574	0.27%	0.083%
186	12.360	12.332	12.379	VV	730	12082	0.21%	0.064%
187	12.398	12.379	12.432	VV	748	12367	0.21%	0.066%
188	12.439	12.432	12.454	VV	229	2474	0.04%	0.013%
189	12.460	12.454	12.494	VV	267	3726	0.06%	0.020%
190	12.524	12.494	12.564	VV	439	10277	0.18%	0.055%
191	12.590	12.564	12.615	VV	315	6889	0.12%	0.037%
192	12.631	12.615	12.645	VV	356	5005	0.09%	0.027%
193	12.659	12.645	12.705	VV	535	12701	0.22%	0.068%
194	12.729	12.705	12.752	VV	374	7899	0.14%	0.042%

					rteres			
195	12.807	12.752	12.842	VV	991	21810	0.38%	0.116%
196	12.885	12.842	12.920	VV	1362	26262	0.45%	0.140%
197	12.946	12.920	12.985	VV	1633	25523	0.44%	0.136%
198	13.016	12.985	13.059	VV	2821	51278	0.89%	0.274%
199	13.064	13.059	13.098	VV	238	3491	0.06%	0.019%
200	13.111	13.098	13.129	VV	114	1392	0.02%	0.007%
201	13.151	13.129	13.177	VV	276	3796	0.07%	0.020%
202	13.239	13.177	13.290	VV	269	11384	0.20%	0.061%
203	13.393	13.290	13.535	VV	141433	1822023	31.54%	9.720%
204	13.559	13.535	13.597	VV	716	19060	0.33%	0.102%
205	13.620	13.597	13.675	VV	660	19804	0.34%	0.106%
206	13.685	13.675	13.715	VV	345	6121	0.11%	0.033%
207	13.758	13.715	13.798	VV	419	13627	0.24%	0.073%
208	13.832	13.798	13.876	VV	387	12331	0.21%	0.066%
209	13.896	13.876	13.923	VV	258	5354	0.09%	0.029%
210	13.932	13.923	13.940	VV	198	1827	0.03%	0.010%
211	13.949	13.940	13.956	VV	237	1884	0.03%	0.010%
212	13.966	13.956	13.992	VV	264	4756	0.08%	0.025%
213	14.005	13.992	14.055	VV	306	7423	0.13%	0.040%
214	14.098	14.055	14.125	VV	1109	19870	0.34%	0.106%
215	14.149	14.125	14.200	VV	1288	23071	0.40%	0.123%
216	14.207	14.200	14.226	VV	230	2493	0.04%	0.013%
217	14.267	14.226	14.320	VV	267	7117	0.12%	0.038%
218	14.357	14.320	14.372	VV	206	3531	0.06%	0.019%
219	14.387	14.372	14.506	VV	190	7130	0.12%	0.038%
220	14.524	14.506	14.536	PV	195	1688	0.03%	0.009%
221	14.591	14.536	14.688	VV	1281	33458	0.58%	0.178%
222	14.712	14.688	14.741	VV	285	5319	0.09%	0.028%
223	14.750	14.741	14.772	VV	123	2025	0.04%	0.011%
224	14.780	14.772	14.790	VV	143	1110	0.02%	0.006%
225	14.820	14.790	14.832	VV	243	4402	0.08%	0.023%
226	14.867	14.832	14.913	VV	412	12326	0.21%	0.066%
227	14.921	14.913	14.955	VV	205	3488	0.06%	0.019%
228	14.972	14.955	14.981	VV	146	1759	0.03%	0.009%
229	15.000	14.981	15.019	VV	125	2319	0.04%	0.012%
230	15.056	15.019	15.084	VV	392	7559	0.13%	0.040%
231	15.103	15.084	15.130	VV	137	2747	0.05%	0.015%
232	15.142	15.130	15.179	VV	196	2598	0.04%	0.014%
233	15.215	15.179	15.239	VV	778	16198	0.28%	0.086%
234	15.256	15.239	15.297	VV	1188	21230	0.37%	0.113%
235	15.312	15.297	15.392	VV	381	11929	0.21%	0.064%
236	15.431	15.392	15.457	VV	275	7094	0.12%	0.038%
237	15.480	15.457	15.514	VV	202	3783	0.07%	0.020%
238	15.533	15.514	15.542	PV	109	1011	0.02%	0.005%
239	15.564	15.542	15.624	VV	168	3794	0.07%	0.020%
240	15.671	15.624	15.709	VV	197	5418	0.09%	0.029%
241	15.794	15.709	15.875	VV	5079	80248	1.39%	0.428%
242	15.905	15.875	15.952	VV	171	5191	0.09%	0.028%
243	15.993	15.952	16.014	PV	125	3537	0.06%	0.019%
244	16.058	16.039	16.072	PV	129	1525	0.03%	0.008%
245	16.103	16.072	16.130	VV	132	4205	0.07%	0.022%
246	16.138	16.130	16.167	VV	171	2694	0.05%	0.014%

					rteres			
247	16.178	16.167	16.195	VV	160	1526	0.03%	0.008%
248	16.244	16.195	16.260	VV	527	9421	0.16%	0.050%
249	16.281	16.260	16.366	VV	933	21237	0.37%	0.113%
250	16.376	16.366	16.396	VV	146	1927	0.03%	0.010%
251	16.424	16.396	16.451	VV	179	3819	0.07%	0.020%
252	16.458	16.451	16.490	VV	144	2160	0.04%	0.012%
253	16.500	16.490	16.519	VV	61	1276	0.02%	0.007%
254	16.548	16.539	16.566	VV	76	1085	0.02%	0.006%
255	16.591	16.566	16.615	VV	132	2884	0.05%	0.015%
256	16.628	16.615	16.647	PV	140	1283	0.02%	0.007%
257	16.715	16.674	16.729	VV	115	2523	0.04%	0.013%
258	16.768	16.729	16.790	VV	482	9587	0.17%	0.051%
259	16.805	16.790	16.814	VV	209	2197	0.04%	0.012%
260	16.849	16.814	16.905	VV	960	20778	0.36%	0.111%
261	16.926	16.905	16.978	VV	240	8102	0.14%	0.043%
262	17.006	16.978	17.025	VV	200	3916	0.07%	0.021%
263	17.065	17.025	17.099	VV	116	3018	0.05%	0.016%
264	17.139	17.099	17.159	PV	169	3646	0.06%	0.019%
265	17.234	17.159	17.267	VV	924	29869	0.52%	0.159%
266	17.282	17.267	17.311	VV	362	6897	0.12%	0.037%
267	17.328	17.311	17.374	VV	228	5149	0.09%	0.027%
268	17.388	17.374	17.400	VV	98	1256	0.02%	0.007%
269	17.428	17.400	17.452	VV	172	2613	0.05%	0.014%
270	17.488	17.452	17.495	VV	126	2236	0.04%	0.012%
271	17.527	17.495	17.543	PV	163	2800	0.05%	0.015%
272	17.569	17.543	17.590	VV	288	5333	0.09%	0.028%
273	17.600	17.590	17.639	VV	171	3195	0.06%	0.017%
274	17.687	17.639	17.722	VV	850	15604	0.27%	0.083%
275	17.794	17.739	17.837	VV	114	4258	0.07%	0.023%
276	17.871	17.837	17.889	PV	204	1667	0.03%	0.009%
277	18.017	17.889	18.025	PV	73	4407	0.08%	0.024%
278	18.126	18.025	18.155	PV	1054	22018	0.38%	0.117%
279	18.218	18.155	18.251	VV	245	6818	0.12%	0.036%
280	18.416	18.251	18.428	VV	122	3555	0.06%	0.019%
281	18.446	18.428	18.472	VV	206	2371	0.04%	0.013%
282	18.511	18.472	18.523	PV	110	2348	0.04%	0.013%
283	18.554	18.523	18.588	VV	1096	21866	0.38%	0.117%
284	18.608	18.588	18.631	VV	476	10066	0.17%	0.054%
285	18.637	18.631	18.717	VV	339	9927	0.17%	0.053%
286	18.819	18.717	18.851	PBA	145	7825	0.14%	0.042%
Sum of corrected areas:						18745410		

Aromatic EPH 102925.M Tue Nov 18 01:15:33 2025

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/06/25
Project:	Edison Landfill	Date Received:	11/07/25
Client Sample ID:	SED-1	SDG No.:	Q3586
Lab Sample ID:	Q3586-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	62.9
Sample Wt/Vol:	30.04 g	Final Vol:	2000 uL
Prep Method :		Test:	EPH
	Prep Date	11/17/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C12	Aliphatic C9-C12	0.26	J	1	0.22	1.59	mg/kg	11/17/25	PB170577
Aliphatic C12-C16	Aliphatic C12-C16	0.34	J	1	0.18	1.06	mg/kg	11/17/25	PB170577
Aliphatic C16-C21	Aliphatic C16-C21	0.25	J	1	0.21	1.59	mg/kg	11/17/25	PB170577
Aliphatic C21-C28	Aliphatic C21-C28	0.84	U	1	0.84	2.12	mg/kg	11/17/25	PB170577
Aliphatic C28-C40	Aliphatic C28-C40	2.94	J	1	1.87	3.18	mg/kg	11/17/25	PB170577
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	42.5			40 - 140	85%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	0.00			40 - 140	0%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3586-01	Acq On:	17 Nov 2025 18:02
Client Sample ID:	SED-1	Operator:	YP\AJ
Data file:	FG016929.D	Misc:	
Instrument:	FID_G	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.260	6.901	295464	2.422	300	ug/ml
Aliphatic C12-C16	6.902	10.358	397266	3.234	200	ug/ml
Aliphatic C16-C21	10.359	13.749	315151	2.38	300	ug/ml
Aliphatic C21-C28	13.750	17.436	536859	3.861	400	ug/ml
Aliphatic C28-C40	17.437	22.460	3158969	27.76	600	ug/ml
Aliphatic EPH	3.260	22.460	4703709	39.657		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.481	13.481	5117800	42.49		ug/ml
Aliphatic C9-C28	3.260	17.436	1544740	11.897	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG111725AL\
Data File : FG016929.D
Signal(s) : FID1A.ch
Acq On : 17 Nov 2025 18:02
Operator : YP\AJ
Sample : Q3586-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
SED-1

Integration File: autoint1.e
Quant Time: Nov 18 01:22:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 16:21:47 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.481	5117800	42.495 ug/ml
Spiked Amount 50.000		Recovery =	84.99%

Target Compounds

(f)=RT Delta > 1/2 Window

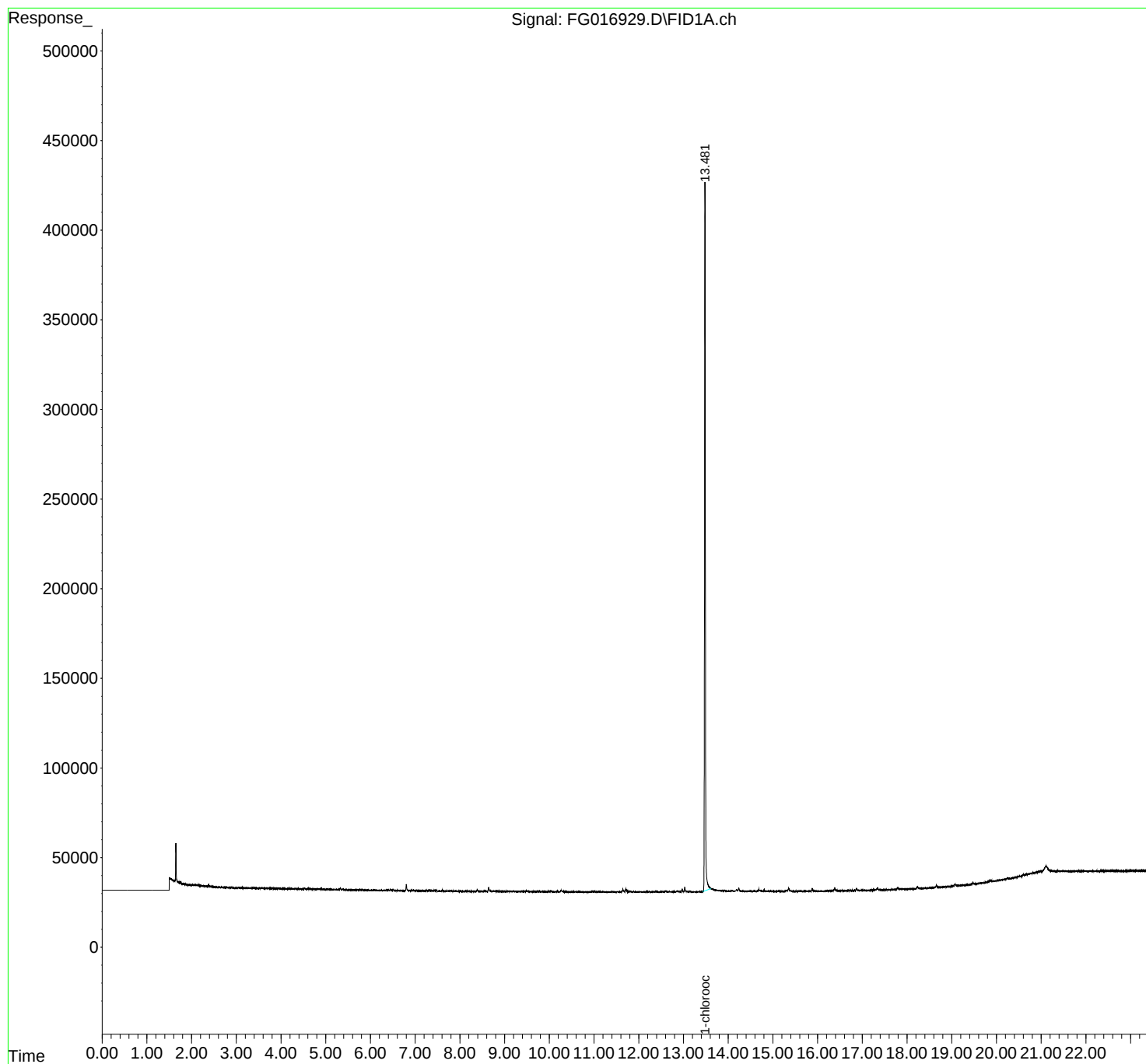
(m)=manual int.

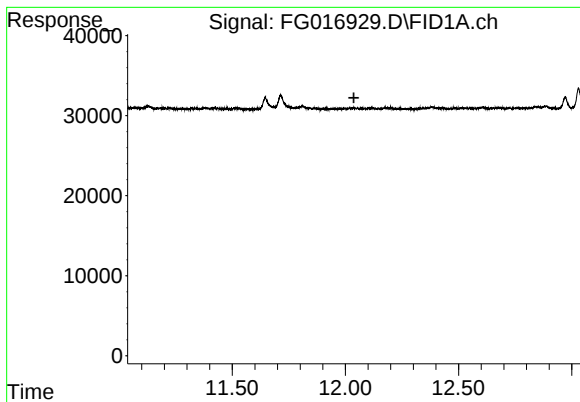
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG111725AL\
Data File : FG016929.D
Signal(s) : FID1A.ch
Acq On : 17 Nov 2025 18:02
Operator : YP\AJ
Sample : Q3586-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
SED-1

Integration File: autoint1.e
Quant Time: Nov 18 01:22:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 16:21:47 2025
Response via : Initial Calibration
Integrator: ChemStation

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

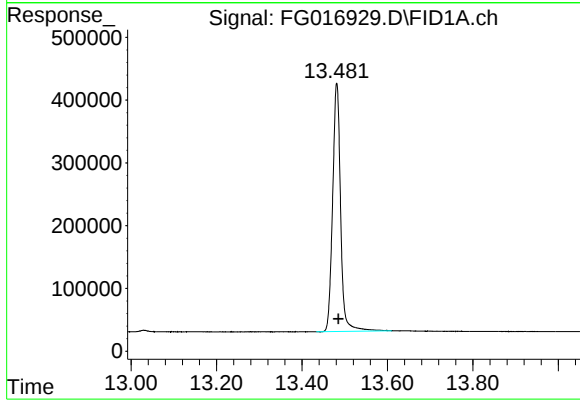




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 12.038 min
Response: 0
Conc: N.D.

Instrument :
FID_G
ClientSampleId :
SED-1



#12 1-chlorooctadecane (SURR)

R.T.: 13.481 min
Delta R.T.: -0.004 min
Response: 5117800
Conc: 42.49 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG111725AL\
 Data File : FG016929.D
 Signal(s) : FID1A.ch
 Acq On : 17 Nov 2025 18:02
 Sample : Q3586-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.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	3.365	3.305	3.498	BV	144	3248	0.06%	0.032%
2	3.505	3.498	3.514	PV	55	343	0.01%	0.003%
3	3.531	3.514	3.548	VV	80	958	0.02%	0.010%
4	3.558	3.548	3.598	VV	112	2143	0.04%	0.021%
5	3.614	3.598	3.648	VV	121	1853	0.03%	0.018%
6	3.679	3.648	3.705	VV	130	2803	0.05%	0.028%
7	3.727	3.705	3.747	VV	125	1428	0.03%	0.014%
8	3.757	3.747	3.858	VV	96	2955	0.06%	0.029%
9	3.866	3.858	3.901	VV	97	1327	0.02%	0.013%
10	3.914	3.901	3.931	VV	96	783	0.01%	0.008%
11	3.942	3.931	4.006	PV	113	2202	0.04%	0.022%
12	4.062	4.006	4.141	PV	145	5091	0.09%	0.051%
13	4.157	4.141	4.176	VV	182	1854	0.03%	0.018%
14	4.195	4.176	4.219	VV	262	3271	0.06%	0.033%
15	4.229	4.219	4.260	VV	153	1624	0.03%	0.016%
16	4.271	4.260	4.318	VV	206	3042	0.06%	0.030%
17	4.362	4.318	4.488	VV	244	11523	0.22%	0.115%
18	4.530	4.488	4.548	VV	377	6449	0.12%	0.064%
19	4.559	4.548	4.605	VV	175	4664	0.09%	0.046%
20	4.622	4.605	4.717	VV	829	15428	0.29%	0.153%
21	4.738	4.717	4.783	VV	283	5994	0.11%	0.060%
22	4.812	4.783	4.855	VV	357	7258	0.14%	0.072%
23	4.874	4.855	4.889	VV	264	3307	0.06%	0.033%
24	4.906	4.889	4.985	VV	458	9332	0.17%	0.093%
25	4.991	4.985	5.000	VV	112	1013	0.02%	0.010%
26	5.017	5.000	5.029	VV	155	2255	0.04%	0.022%
27	5.042	5.029	5.063	VV	390	3739	0.07%	0.037%
28	5.111	5.063	5.162	VV	190	7308	0.14%	0.073%
29	5.170	5.162	5.195	VV	150	1660	0.03%	0.016%
30	5.234	5.195	5.258	VV	152	4087	0.08%	0.041%
31	5.275	5.258	5.288	VV	218	2207	0.04%	0.022%
32	5.299	5.288	5.306	VV	243	2223	0.04%	0.022%
33	5.326	5.306	5.357	VV	1063	14138	0.26%	0.140%
34	5.381	5.357	5.423	VV	366	6926	0.13%	0.069%
35	5.443	5.423	5.485	VV	246	3187	0.06%	0.032%
36	5.506	5.485	5.522	PV	74	1105	0.02%	0.011%

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37	5.535	5.522	5.545	VV	70	651	0.01%	0.006%
38	5.560	5.545	5.623	VV	86	1968	0.04%	0.020%
39	5.640	5.623	5.652	VV	99	1105	0.02%	0.011%
40	5.658	5.652	5.711	VV	84	1621	0.03%	0.016%
41	5.725	5.711	5.748	VV	116	1458	0.03%	0.014%
42	5.766	5.748	5.786	PV	349	4441	0.08%	0.044%
43	5.808	5.786	5.839	VV	378	5363	0.10%	0.053%
44	5.866	5.839	5.888	VV	121	2402	0.04%	0.024%
45	5.890	5.888	5.927	VV	160	2029	0.04%	0.020%
46	5.960	5.927	6.011	VV	208	4824	0.09%	0.048%
47	6.025	6.011	6.043	VV	121	1685	0.03%	0.017%
48	6.076	6.043	6.109	VV	197	4601	0.09%	0.046%
49	6.132	6.109	6.178	VV	217	4908	0.09%	0.049%
50	6.183	6.178	6.224	VV	134	2281	0.04%	0.023%
51	6.245	6.224	6.280	VV	264	4011	0.07%	0.040%
52	6.298	6.280	6.322	VV	251	3086	0.06%	0.031%
53	6.358	6.322	6.379	VV	364	7523	0.14%	0.075%
54	6.399	6.379	6.422	VV	373	5833	0.11%	0.058%
55	6.445	6.422	6.491	VV	622	11544	0.22%	0.115%
56	6.508	6.491	6.554	VV	713	10298	0.19%	0.102%
57	6.566	6.554	6.571	VV	121	951	0.02%	0.009%
58	6.582	6.571	6.660	VV	204	5058	0.09%	0.050%
59	6.693	6.660	6.772	VV	142	4395	0.08%	0.044%
60	6.802	6.772	6.870	PV	3656	50092	0.93%	0.498%
61	6.889	6.870	6.908	VV	286	4608	0.09%	0.046%
62	6.924	6.908	6.935	VV	259	2910	0.05%	0.029%
63	6.956	6.935	6.980	VV	490	7424	0.14%	0.074%
64	6.990	6.980	7.015	VV	206	3001	0.06%	0.030%
65	7.029	7.015	7.071	VV	333	5907	0.11%	0.059%
66	7.083	7.071	7.128	VV	178	4239	0.08%	0.042%
67	7.144	7.128	7.237	VV	180	6949	0.13%	0.069%
68	7.259	7.237	7.298	VV	235	5369	0.10%	0.053%
69	7.315	7.298	7.350	VV	396	9184	0.17%	0.091%
70	7.377	7.350	7.399	VV	397	7758	0.14%	0.077%
71	7.428	7.399	7.466	VV	425	11133	0.21%	0.111%
72	7.482	7.466	7.520	VV	340	5854	0.11%	0.058%
73	7.530	7.520	7.538	VV	136	1505	0.03%	0.015%
74	7.546	7.538	7.570	VV	174	2553	0.05%	0.025%
75	7.608	7.570	7.658	VV	810	12955	0.24%	0.129%
76	7.684	7.658	7.703	VV	225	3954	0.07%	0.039%
77	7.716	7.703	7.729	VV	231	2736	0.05%	0.027%
78	7.758	7.729	7.795	VV	301	7766	0.14%	0.077%
79	7.815	7.795	7.872	VV	218	7691	0.14%	0.076%
80	7.882	7.872	7.893	VV	155	1605	0.03%	0.016%
81	7.901	7.893	7.953	VV	140	3513	0.07%	0.035%
82	8.020	7.953	8.061	PV	311	6109	0.11%	0.061%
83	8.086	8.061	8.101	VV	181	2560	0.05%	0.025%
84	8.119	8.101	8.150	VV	195	3279	0.06%	0.033%
85	8.185	8.150	8.232	VV	195	5721	0.11%	0.057%
86	8.242	8.232	8.276	VV	132	2426	0.05%	0.024%
87	8.297	8.276	8.312	VV	142	1373	0.03%	0.014%
88	8.335	8.312	8.366	VV	240	4201	0.08%	0.042%
89	8.388	8.366	8.471	VV	1018	17202	0.32%	0.171%

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90	8.491	8.471	8.519	VV	187	2805	0.05%	0.028%
91	8.549	8.519	8.608	VV	345	9493	0.18%	0.094%
92	8.642	8.608	8.724	VV	2025	41328	0.77%	0.411%
93	8.741	8.724	8.760	VV	344	5416	0.10%	0.054%
94	8.786	8.760	8.813	VV	314	7704	0.14%	0.077%
95	8.829	8.813	8.862	VV	229	4330	0.08%	0.043%
96	8.876	8.862	8.963	VV	234	5310	0.10%	0.053%
97	9.002	8.963	9.051	VV	180	6475	0.12%	0.064%
98	9.058	9.051	9.072	VV	172	1838	0.03%	0.018%
99	9.107	9.072	9.119	VV	231	4522	0.08%	0.045%
100	9.145	9.119	9.168	VV	238	5532	0.10%	0.055%
101	9.190	9.168	9.227	VV	334	7687	0.14%	0.076%
102	9.247	9.227	9.280	VV	180	3596	0.07%	0.036%
103	9.304	9.280	9.329	VV	151	2920	0.05%	0.029%
104	9.337	9.329	9.348	VV	57	708	0.01%	0.007%
105	9.375	9.348	9.392	VV	589	8406	0.16%	0.084%
106	9.405	9.392	9.421	VV	323	4671	0.09%	0.046%
107	9.433	9.421	9.457	VV	335	4914	0.09%	0.049%
108	9.488	9.457	9.539	VV	796	15995	0.30%	0.159%
109	9.562	9.539	9.590	VV	237	4560	0.09%	0.045%
110	9.611	9.590	9.642	VV	213	3604	0.07%	0.036%
111	9.663	9.642	9.691	VV	182	3167	0.06%	0.031%
112	9.724	9.691	9.750	VV	215	5489	0.10%	0.055%
113	9.775	9.750	9.821	VV	329	6448	0.12%	0.064%
114	9.846	9.821	9.885	VV	317	6312	0.12%	0.063%
115	9.898	9.885	9.925	VV	232	3496	0.07%	0.035%
116	9.938	9.925	9.966	VV	134	2566	0.05%	0.026%
117	9.992	9.966	10.016	VV	296	5688	0.11%	0.057%
118	10.038	10.016	10.084	VV	673	11175	0.21%	0.111%
119	10.095	10.084	10.105	VV	127	1225	0.02%	0.012%
120	10.122	10.105	10.131	VV	150	1782	0.03%	0.018%
121	10.136	10.131	10.149	VV	133	983	0.02%	0.010%
122	10.184	10.149	10.235	VV	348	9017	0.17%	0.090%
123	10.263	10.235	10.468	VV	877	31227	0.58%	0.310%
124	10.482	10.468	10.561	PV	111	4507	0.08%	0.045%
125	10.582	10.561	10.631	VV	136	3737	0.07%	0.037%
126	10.654	10.631	10.716	VV	231	6973	0.13%	0.069%
127	10.746	10.716	10.762	VV	129	2743	0.05%	0.027%
128	10.771	10.762	10.782	VV	122	960	0.02%	0.010%
129	10.809	10.782	10.845	VV	125	3134	0.06%	0.031%
130	10.898	10.845	10.915	VV	183	3734	0.07%	0.037%
131	10.942	10.915	10.989	VV	259	7328	0.14%	0.073%
132	11.008	10.989	11.038	VV	313	6184	0.12%	0.061%
133	11.067	11.038	11.095	VV	263	5987	0.11%	0.059%
134	11.131	11.095	11.156	VV	406	9195	0.17%	0.091%
135	11.190	11.156	11.211	VV	188	4675	0.09%	0.046%
136	11.220	11.211	11.249	VV	174	2819	0.05%	0.028%
137	11.263	11.249	11.311	VV	114	3224	0.06%	0.032%
138	11.334	11.311	11.360	VV	148	3221	0.06%	0.032%
139	11.381	11.360	11.490	VV	206	9395	0.18%	0.093%
140	11.516	11.490	11.561	PV	175	3876	0.07%	0.039%
141	11.571	11.561	11.591	VV	76	565	0.01%	0.006%

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142	11.646	11.591	11.690	VV	1464	27334	0.51%	0.272%
143	11.714	11.690	11.782	VV	1781	36202	0.68%	0.360%
144	11.810	11.782	11.895	VV	426	12435	0.23%	0.124%
145	11.901	11.895	11.928	VV	100	1494	0.03%	0.015%
146	11.944	11.928	11.975	VV	94	2120	0.04%	0.021%
147	11.979	11.975	11.986	VV	105	553	0.01%	0.005%
148	11.999	11.986	12.009	VV	127	1302	0.02%	0.013%
149	12.034	12.009	12.048	VV	167	2798	0.05%	0.028%
150	12.052	12.048	12.062	VV	133	809	0.02%	0.008%
151	12.071	12.062	12.088	VV	121	1389	0.03%	0.014%
152	12.103	12.088	12.110	VV	181	1613	0.03%	0.016%
153	12.120	12.110	12.155	VV	187	2834	0.05%	0.028%
154	12.175	12.155	12.191	VV	213	2927	0.05%	0.029%
155	12.201	12.191	12.301	VV	182	4287	0.08%	0.043%
156	12.380	12.301	12.415	VV	271	9290	0.17%	0.092%
157	12.427	12.415	12.455	VV	178	2582	0.05%	0.026%
158	12.488	12.455	12.501	VV	116	2577	0.05%	0.026%
159	12.519	12.501	12.563	VV	171	4206	0.08%	0.042%
160	12.573	12.563	12.591	VV	84	1572	0.03%	0.016%
161	12.606	12.591	12.639	VV	242	4539	0.08%	0.045%
162	12.674	12.639	12.715	VV	189	5389	0.10%	0.054%
163	12.722	12.715	12.737	VV	132	1377	0.03%	0.014%
164	12.844	12.737	12.863	VV	277	12142	0.23%	0.121%
165	12.886	12.863	12.931	VV	325	8152	0.15%	0.081%
166	12.971	12.931	13.000	VV	1492	22259	0.42%	0.221%
167	13.030	13.000	13.120	VV	2573	42610	0.80%	0.423%
168	13.152	13.120	13.227	VV	255	8341	0.16%	0.083%
169	13.308	13.227	13.335	PV	154	6410	0.12%	0.064%
170	13.361	13.335	13.385	VV	162	3351	0.06%	0.033%
171	13.481	13.385	13.808	VV	397874	5359246	100.00%	53.257%
172	13.827	13.808	13.898	VV	744	32757	0.61%	0.326%
173	13.915	13.898	14.007	VV	529	29279	0.55%	0.291%
174	14.066	14.007	14.152	VV	494	34584	0.65%	0.344%
175	14.187	14.152	14.211	VV	1317	25042	0.47%	0.249%
176	14.238	14.211	14.416	VV	2108	63027	1.18%	0.626%
177	14.470	14.416	14.554	VV	299	20240	0.38%	0.201%
178	14.571	14.554	14.636	VV	242	10496	0.20%	0.104%
179	14.688	14.636	14.778	VV	1089	36028	0.67%	0.358%
180	14.806	14.778	14.898	VV	703	22851	0.43%	0.227%
181	14.911	14.898	14.938	VV	247	4619	0.09%	0.046%
182	14.968	14.938	15.041	VV	278	10747	0.20%	0.107%
183	15.062	15.041	15.084	VV	126	2659	0.05%	0.026%
184	15.157	15.084	15.181	VV	120	5893	0.11%	0.059%
185	15.201	15.181	15.223	VV	173	3188	0.06%	0.032%
186	15.238	15.223	15.258	VV	135	1760	0.03%	0.017%
187	15.309	15.258	15.325	VV	596	10730	0.20%	0.107%
188	15.352	15.325	15.495	VV	1758	40450	0.75%	0.402%
189	15.516	15.495	15.605	VV	122	3178	0.06%	0.032%
190	15.621	15.605	15.705	VV	86	2050	0.04%	0.020%
191	15.769	15.705	15.808	PV	105	3715	0.07%	0.037%
192	15.877	15.808	16.048	VV	1126	27366	0.51%	0.272%
193	16.070	16.048	16.138	PV	75	2542	0.05%	0.025%
194	16.151	16.138	16.178	VV	76	1384	0.03%	0.014%

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195	16.203	16.178	16.224	VV	117	2361	0.04%	0.023%
196	16.244	16.224	16.295	VV	121	3575	0.07%	0.036%
197	16.382	16.295	16.497	VV	1599	47043	0.88%	0.467%
198	16.517	16.497	16.595	VV	192	6651	0.12%	0.066%
199	16.609	16.595	16.649	VV	120	2675	0.05%	0.027%
200	16.691	16.649	16.718	PV	186	4447	0.08%	0.044%
201	16.736	16.718	16.803	VV	150	3566	0.07%	0.035%
202	16.869	16.803	17.011	VV	1005	26448	0.49%	0.263%
203	17.044	17.011	17.120	PV	122	4908	0.09%	0.049%
204	17.220	17.120	17.262	VV	154	6458	0.12%	0.064%
205	17.337	17.262	17.485	VV	1354	34142	0.64%	0.339%
206	17.553	17.485	17.567	PV	78	1947	0.04%	0.019%
207	17.631	17.567	17.654	VV	106	3754	0.07%	0.037%
208	17.685	17.654	17.700	VV	109	2039	0.04%	0.020%
209	17.792	17.700	17.860	VV	1231	30284	0.57%	0.301%
210	17.885	17.860	17.935	VV	388	7277	0.14%	0.072%
211	18.007	17.935	18.026	VV	146	4808	0.09%	0.048%
212	18.231	18.026	18.331	PV	1278	33448	0.62%	0.332%
213	18.397	18.331	18.429	PV	135	4873	0.09%	0.048%
214	18.508	18.429	18.535	VV	175	3048	0.06%	0.030%
215	18.658	18.535	18.731	VV	1240	26606	0.50%	0.264%
216	18.746	18.731	18.768	VV	109	1438	0.03%	0.014%
217	19.072	18.768	19.138	PV	1074	24464	0.46%	0.243%
218	19.471	19.138	19.525	PV	735	13041	0.24%	0.130%
219	19.860	19.525	19.901	VV	1241	72720	1.36%	0.723%
220	20.160	19.901	20.195	VV	1096	133286	2.49%	1.325%
221	20.237	20.195	20.265	VV	1482	51353	0.96%	0.510%
222	20.503	20.265	20.523	VV	1889	227915	4.25%	2.265%
223	20.605	20.523	20.625	VV	2582	129112	2.41%	1.283%
224	20.977	20.625	21.005	VV	3450	667585	12.46%	6.634%
225	21.109	21.005	21.251	VV	6231	626410	11.69%	6.225%
226	21.270	21.251	21.325	VV	3003	125978	2.35%	1.252%
227	21.375	21.325	21.431	VV	2933	173597	3.24%	1.725%
228	21.487	21.431	21.538	VV	2430	152476	2.85%	1.515%
229	21.555	21.538	21.665	VV	2237	154300	2.88%	1.533%
230	21.741	21.665	21.805	VV	1854	147855	2.76%	1.469%
231	21.836	21.805	21.891	VV	1633	79175	1.48%	0.787%
232	21.944	21.891	22.075	VV	1316	130119	2.43%	1.293%
233	22.101	22.075	22.126	VV	847	25296	0.47%	0.251%
234	22.154	22.126	22.241	VV	760	43951	0.82%	0.437%
235	22.269	22.241	22.291	VV	475	13416	0.25%	0.133%
236	22.357	22.291	22.391	VV	533	26134	0.49%	0.260%
237	22.417	22.391	22.501	VBA	326	21264	0.40%	0.211%
Sum of corrected areas:						10062953		

Aliphatic EPH 102925.M Tue Nov 18 03:12:10 2025

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/06/25
Project:	Edison Landfill	Date Received:	11/07/25
Client Sample ID:	SED-2	SDG No.:	Q3586
Lab Sample ID:	Q3586-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	41.4
Sample Wt/Vol:	30.08 g	Test:	EPH
Prep Method :	Final Vol: 2000 uL Prep Date : 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C9-C12	Aliphatic C9-C12	0.56	J	1	0.34	2.41	mg/kg	FG016930.D	11/17/25 18:31	PB170577
Aliphatic C12-C16	Aliphatic C12-C16	0.82	J	1	0.27	1.61	mg/kg	FG016930.D	11/17/25 18:31	PB170577
Aliphatic C16-C21	Aliphatic C16-C21	0.99	J	1	0.31	2.41	mg/kg	FG016930.D	11/17/25 18:31	PB170577
Aliphatic C21-C28	Aliphatic C21-C28	1.31	J	1	1.28	3.21	mg/kg	FG016930.D	11/17/25 18:31	PB170577
Aliphatic C28-C40	Aliphatic C28-C40	5.57		1	2.84	4.82	mg/kg	FG016930.D	11/17/25 18:31	PB170577
Aromatic C10-C12	Aromatic C10-C12	0.43	J	1	0.29	1.61	mg/kg	FF016723.D	11/17/25 18:31	PB170577
Aromatic C12-C16	Aromatic C12-C16	0.99	J	1	0.55	2.41	mg/kg	FF016723.D	11/17/25 18:31	PB170577
Aromatic C16-C21	Aromatic C16-C21	9.51		1	0.96	4.02	mg/kg	FF016723.D	11/17/25 18:31	PB170577
Aromatic C21-C36	Aromatic C21-C36	2.87	U	1	2.87	6.42	mg/kg	FF016723.D	11/17/25 18:31	PB170577
Total AliphaticEPH	Total AliphaticEPH	9.25	J		5.04	14.5	mg/kg			
Total AromaticEPH	Total AromaticEPH	10.9	J		4.68	14.5	mg/kg			
Total EPH	Total EPH	20.2	J		9.71	28.9	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:	Remington & Vernick Engineers	Date Collected:	11/06/25
Project:	Edison Landfill	Date Received:	11/07/25
Client Sample ID:	SED-2	SDG No.:	Q3586
Lab Sample ID:	Q3586-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	41.4
Sample Wt/Vol:	30.08 g	Final Vol:	2000 uL
Prep Method :		Prep Date	11/17/25
		Test:	EPH

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aromatic C10-C12	Aromatic C10-C12	0.43	J	1	0.29	1.61	mg/kg	11/17/25	PB170577
Aromatic C12-C16	Aromatic C12-C16	0.99	J	1	0.55	2.41	mg/kg	11/17/25	PB170577
Aromatic C16-C21	Aromatic C16-C21	9.51		1	0.96	4.02	mg/kg	11/17/25	PB170577
Aromatic C21-C36	Aromatic C21-C36	2.87	U	1	2.87	6.42	mg/kg	11/17/25	PB170577
SURROGATES									
580-13-2	2-Bromonaphthalene (SURR)	46.5			40 - 140	93%	SPK: 50		
321-60-8	2-Fluorobiphenyl (SURR)	49.5			40 - 140	99%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	29.5			40 - 140	59%	SPK: 50		

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q3586-02	Acq On:	17 Nov 2025 18:31
Client Sample ID:	SED-2	Operator:	YP\AJ
Data file:	FF016723.D	Misc:	
Instrument:	FID_F	ALS Vial:	77
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.502	6.378	349642	2.65	200	ug/ml
Aromatic C12-C16	6.379	9.083	829078	6.134	300	ug/ml
Aromatic C16-C21	9.084	13.405	7920540	59.222	500	ug/ml
Aromatic C21-C36	13.406	18.870	1394935	11.855	800	ug/ml
Aromatic EPH	4.502	18.870	10494195	79.86		ug/ml
ortho-Terphenyl (SURR)	11.952	11.952	4332904	29.51		ug/ml
2-Bromonaphthalene (SURR)	8.010	8.010	5264631	46.46		ug/ml
2-Fluorobiphenyl (SURR)	8.885	8.885	3530106	49.5		ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111725AR\
 Data File : FF016723.D
 Signal(s) : FID2B.ch
 Acq On : 17 Nov 2025 18:31
 Operator : YP\AJ
 Sample : Q3586-02
 Misc :
 ALS Vial : 77 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 SED-2

Integration File: autoint1.e
 Quant Time: Nov 18 00:34:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 29 18:27:43 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	8.010	5264631	46.457 ug/ml
Spiked Amount 50.000		Recovery =	92.91%
6) S 2-Fluorobiphenyl (SURR)	8.885	3530106	49.496 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	98.99%
11) S ortho-Terphenyl (SURR)	11.952	4332904	29.505 ug/ml
Spiked Amount 50.000		Recovery =	59.01%

Target Compounds

(f)=RT Delta > 1/2 Window

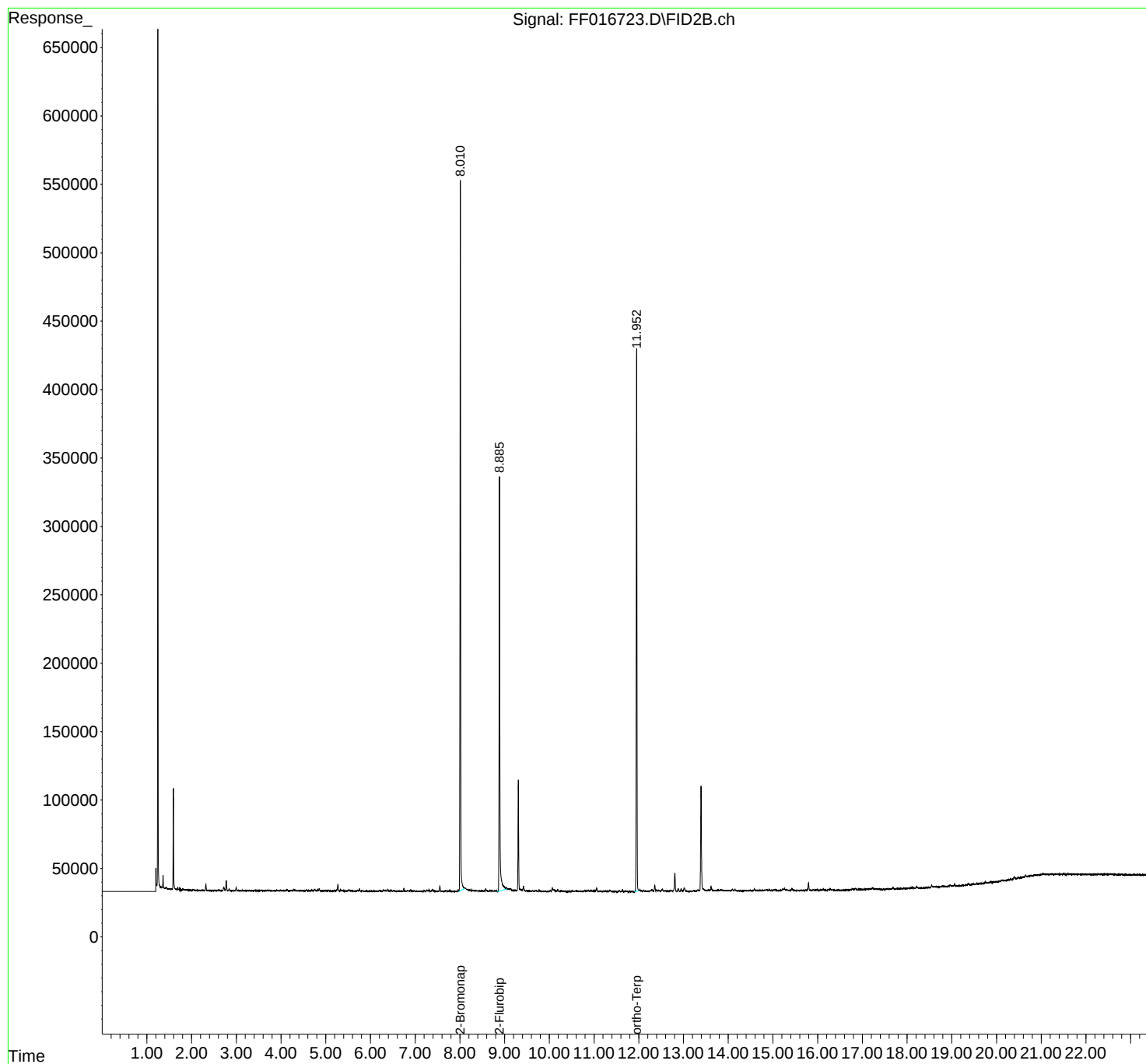
(m)=manual int.

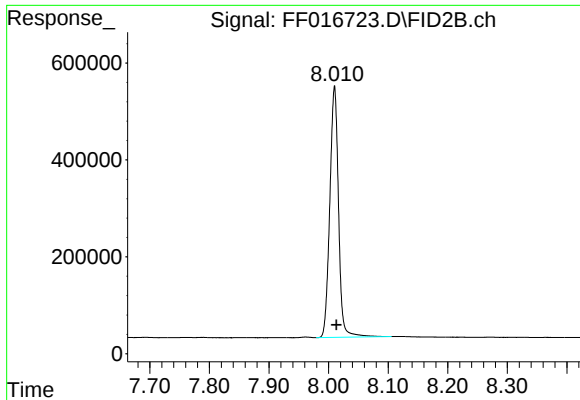
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111725AR\
Data File : FF016723.D
Signal(s) : FID2B.ch
Acq On : 17 Nov 2025 18:31
Operator : YP\AJ
Sample : Q3586-02
Misc :
ALS Vial : 77 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
SED-2

Integration File: autoint1.e
Quant Time: Nov 18 00:34:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 18:27:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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

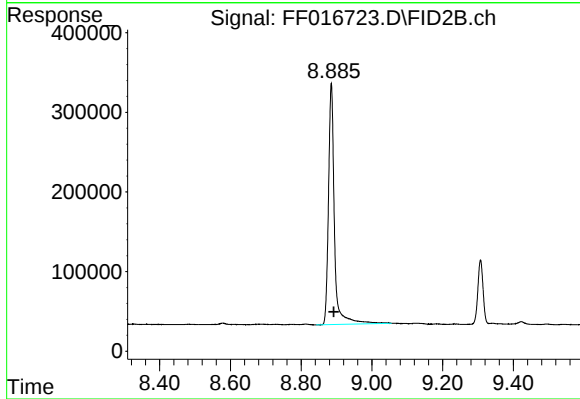




#4 2-Bromonaphthalene (SURRE)

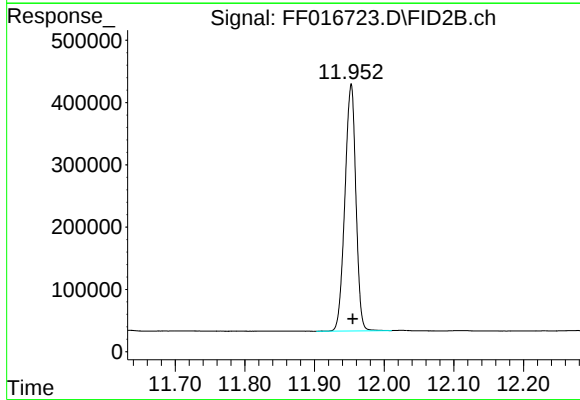
R.T.: 8.010 min
Delta R.T.: -0.003 min
Response: 5264631
Conc: 46.46 ug/ml

Instrument :
FID_F
ClientSampleId :
SED-2



#6 2-Fluorobiphenyl (SURRE)

R.T.: 8.885 min
Delta R.T.: -0.007 min
Response: 3530106
Conc: 49.50 ug/ml



#11 ortho-Terphenyl (SURRE)

R.T.: 11.952 min
Delta R.T.: -0.002 min
Response: 4332904
Conc: 29.51 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111725AR\
Data File : FF016723.D
Signal(s) : FID2B.ch
Acq On : 17 Nov 2025 18:31
Sample : Q3586-02
Misc :
ALS Vial : 77 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.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	4.475	4.462	4.496	VV	262	2794	0.05%	0.014%
2	4.501	4.496	4.535	VV	172	1203	0.02%	0.006%
3	4.567	4.543	4.592	PV	1063	11766	0.22%	0.060%
4	4.603	4.592	4.627	VV	367	4038	0.08%	0.021%
5	4.635	4.627	4.653	VV	156	1470	0.03%	0.008%
6	4.678	4.653	4.684	VV	498	4104	0.08%	0.021%
7	4.693	4.684	4.714	VV	453	5324	0.10%	0.027%
8	4.734	4.714	4.742	VV	672	7359	0.14%	0.038%
9	4.757	4.742	4.782	VV	1360	16450	0.31%	0.084%
10	4.788	4.782	4.799	VV	230	1661	0.03%	0.009%
11	4.820	4.799	4.836	VV	971	10950	0.20%	0.056%
12	4.853	4.836	4.876	VV	1674	18257	0.34%	0.094%
13	4.884	4.876	4.908	VV	156	1862	0.03%	0.010%
14	4.931	4.921	4.947	VV	196	1828	0.03%	0.009%
15	4.982	4.947	5.008	VV	562	8684	0.16%	0.045%
16	5.041	5.031	5.054	VV	178	1769	0.03%	0.009%
17	5.069	5.054	5.083	VV	285	3347	0.06%	0.017%
18	5.090	5.083	5.107	VV	136	1355	0.03%	0.007%
19	5.123	5.107	5.133	VV	134	1269	0.02%	0.007%
20	5.143	5.133	5.156	VV	160	1016	0.02%	0.005%
21	5.190	5.156	5.217	PV	368	6556	0.12%	0.034%
22	5.246	5.217	5.253	VV	636	7391	0.14%	0.038%
23	5.272	5.253	5.312	VV	4813	59201	1.10%	0.304%
24	5.333	5.312	5.356	VV	1008	13508	0.25%	0.069%
25	5.359	5.356	5.365	VV	223	1291	0.02%	0.007%
26	5.389	5.365	5.427	VV	344	6830	0.13%	0.035%
27	5.451	5.442	5.467	VV	136	1632	0.03%	0.008%
28	5.479	5.467	5.497	VV	296	3056	0.06%	0.016%
29	5.516	5.497	5.559	VV	1081	18327	0.34%	0.094%
30	5.565	5.559	5.574	VV	301	2369	0.04%	0.012%
31	5.578	5.574	5.616	VV	296	5201	0.10%	0.027%
32	5.644	5.630	5.650	VV	150	1190	0.02%	0.006%
33	5.673	5.650	5.691	VV	320	3552	0.07%	0.018%
34	5.710	5.691	5.727	VV	604	8011	0.15%	0.041%
35	5.755	5.727	5.779	VV	1554	19812	0.37%	0.102%
36	5.816	5.779	5.833	VV	730	7032	0.13%	0.036%

					rteres			
37	5.886	5.847	5.899	VV	264	4925	0.09%	0.025%
38	5.908	5.899	5.958	VV	348	5110	0.10%	0.026%
39	5.975	5.958	5.991	VV	246	2797	0.05%	0.014%
40	6.021	5.991	6.045	VV	349	6829	0.13%	0.035%
41	6.059	6.045	6.066	VV	247	2316	0.04%	0.012%
42	6.080	6.066	6.121	VV	357	6735	0.13%	0.035%
43	6.144	6.135	6.168	VV	170	2115	0.04%	0.011%
44	6.197	6.168	6.230	PV	667	11726	0.22%	0.060%
45	6.245	6.230	6.264	VV	395	5068	0.09%	0.026%
46	6.294	6.264	6.327	VV	917	22503	0.42%	0.115%
47	6.345	6.327	6.369	VV	847	12050	0.22%	0.062%
48	6.390	6.369	6.422	VV	1475	20666	0.39%	0.106%
49	6.455	6.422	6.483	VV	1243	20596	0.38%	0.106%
50	6.492	6.483	6.497	VV	170	1308	0.02%	0.007%
51	6.528	6.497	6.578	VV	571	16166	0.30%	0.083%
52	6.586	6.578	6.619	VV	297	5126	0.10%	0.026%
53	6.635	6.619	6.644	VV	249	2613	0.05%	0.013%
54	6.672	6.644	6.690	VV	224	4388	0.08%	0.023%
55	6.706	6.699	6.718	VV	180	1328	0.02%	0.007%
56	6.745	6.718	6.771	VV	2244	26289	0.49%	0.135%
57	6.776	6.771	6.780	VV	257	1125	0.02%	0.006%
58	6.786	6.780	6.808	VV	296	3403	0.06%	0.017%
59	6.831	6.808	6.852	VV	942	11821	0.22%	0.061%
60	6.868	6.852	6.882	VV	640	6760	0.13%	0.035%
61	6.899	6.882	6.922	VV	1503	17906	0.33%	0.092%
62	6.934	6.922	6.956	VV	507	6144	0.11%	0.032%
63	6.974	6.956	7.005	VV	920	10198	0.19%	0.052%
64	7.031	7.005	7.054	VV	296	4201	0.08%	0.022%
65	7.089	7.075	7.112	VV	243	2613	0.05%	0.013%
66	7.125	7.112	7.137	VV	190	1997	0.04%	0.010%
67	7.153	7.137	7.176	VV	308	3591	0.07%	0.018%
68	7.201	7.176	7.237	PV	954	13223	0.25%	0.068%
69	7.258	7.237	7.271	VV	1275	15687	0.29%	0.081%
70	7.277	7.271	7.292	VV	787	8152	0.15%	0.042%
71	7.322	7.292	7.349	VV	1008	22947	0.43%	0.118%
72	7.386	7.349	7.411	VV	1701	29621	0.55%	0.152%
73	7.426	7.411	7.451	VV	584	6995	0.13%	0.036%
74	7.468	7.451	7.474	VV	247	2371	0.04%	0.012%
75	7.494	7.474	7.516	VV	472	6969	0.13%	0.036%
76	7.552	7.524	7.585	VV	4166	46999	0.88%	0.241%
77	7.614	7.585	7.622	PV	423	4849	0.09%	0.025%
78	7.630	7.622	7.645	VV	472	3956	0.07%	0.020%
79	7.662	7.645	7.674	VV	616	7239	0.13%	0.037%
80	7.694	7.674	7.720	VV	754	11735	0.22%	0.060%
81	7.733	7.720	7.744	VV	277	2797	0.05%	0.014%
82	7.763	7.744	7.775	VV	606	7836	0.15%	0.040%
83	7.789	7.775	7.832	VV	701	8524	0.16%	0.044%
84	7.861	7.832	7.882	VV	241	3768	0.07%	0.019%
85	7.916	7.882	7.920	PV	175	2369	0.04%	0.012%
86	7.926	7.920	7.944	VV	237	1829	0.03%	0.009%
87	7.962	7.944	7.978	VV	1486	15381	0.29%	0.079%
88	8.010	7.978	8.106	VV	519892	5364508	100.00%	27.531%
89	8.113	8.106	8.215	VV	2605	112330	2.09%	0.576%

					rteres			
90	8.223	8.215	8.252	VV	1170	21433	0.40%	0.110%
91	8.270	8.252	8.298	VV	1274	25583	0.48%	0.131%
92	8.306	8.298	8.315	VV	822	8080	0.15%	0.041%
93	8.328	8.315	8.349	VV	1039	16191	0.30%	0.083%
94	8.364	8.349	8.385	VV	739	13890	0.26%	0.071%
95	8.391	8.385	8.396	VV	585	4060	0.08%	0.021%
96	8.408	8.396	8.427	VV	602	9506	0.18%	0.049%
97	8.481	8.427	8.503	VV	851	24260	0.45%	0.125%
98	8.509	8.503	8.514	VV	519	3379	0.06%	0.017%
99	8.519	8.514	8.535	VV	499	5978	0.11%	0.031%
100	8.551	8.535	8.560	VV	596	7534	0.14%	0.039%
101	8.578	8.560	8.602	VV	2233	31482	0.59%	0.162%
102	8.607	8.602	8.623	VV	632	7195	0.13%	0.037%
103	8.627	8.623	8.655	VV	448	7239	0.13%	0.037%
104	8.677	8.655	8.715	VV	842	23634	0.44%	0.121%
105	8.731	8.715	8.754	VV	737	12456	0.23%	0.064%
106	8.772	8.754	8.794	VV	705	12135	0.23%	0.062%
107	8.813	8.794	8.843	VV	1063	15051	0.28%	0.077%
108	8.885	8.843	9.027	VV	303535	3622754	67.53%	18.592%
109	9.040	9.027	9.058	VV	2681	47319	0.88%	0.243%
110	9.064	9.058	9.082	VV	2108	28857	0.54%	0.148%
111	9.091	9.082	9.105	VV	1911	24968	0.47%	0.128%
112	9.125	9.105	9.164	VV	2150	60058	1.12%	0.308%
113	9.183	9.164	9.216	VV	1354	30457	0.57%	0.156%
114	9.233	9.216	9.261	VV	1195	24508	0.46%	0.126%
115	9.265	9.261	9.267	VV	719	2783	0.05%	0.014%
116	9.307	9.267	9.332	VV	81759	853864	15.92%	4.382%
117	9.342	9.332	9.355	VV	2154	25782	0.48%	0.132%
118	9.362	9.355	9.376	VV	1507	16263	0.30%	0.083%
119	9.423	9.376	9.473	VV	4073	91967	1.71%	0.472%
120	9.494	9.473	9.524	VV	1110	20299	0.38%	0.104%
121	9.544	9.524	9.571	VV	794	13932	0.26%	0.071%
122	9.592	9.571	9.602	VV	536	7963	0.15%	0.041%
123	9.606	9.602	9.614	VV	528	3271	0.06%	0.017%
124	9.625	9.614	9.670	VV	719	15692	0.29%	0.081%
125	9.691	9.670	9.700	VV	728	9551	0.18%	0.049%
126	9.709	9.700	9.731	VV	786	10136	0.19%	0.052%
127	9.738	9.731	9.751	VV	324	3099	0.06%	0.016%
128	9.773	9.751	9.816	VV	1565	24876	0.46%	0.128%
129	9.855	9.816	9.889	VV	386	11017	0.21%	0.057%
130	9.912	9.889	9.944	VV	617	8297	0.15%	0.043%
131	9.969	9.944	9.999	VV	345	6638	0.12%	0.034%
132	10.022	9.999	10.046	VV	1177	15032	0.28%	0.077%
133	10.067	10.046	10.097	VV	2664	51685	0.96%	0.265%
134	10.106	10.097	10.168	VV	1553	37751	0.70%	0.194%
135	10.188	10.168	10.229	VV	1637	26649	0.50%	0.137%
136	10.235	10.229	10.241	VV	294	1885	0.04%	0.010%
137	10.262	10.241	10.321	VV	675	21553	0.40%	0.111%
138	10.336	10.321	10.347	VV	438	5120	0.10%	0.026%
139	10.358	10.347	10.405	VV	410	6171	0.12%	0.032%
140	10.430	10.405	10.450	VV	208	3157	0.06%	0.016%
141	10.466	10.450	10.483	VV	371	5063	0.09%	0.026%

					rteres			
142	10.509	10.483	10.532	VV	743	13781	0.26%	0.071%
143	10.537	10.532	10.547	VV	371	2786	0.05%	0.014%
144	10.584	10.547	10.602	VV	797	15845	0.30%	0.081%
145	10.619	10.602	10.642	VV	732	11844	0.22%	0.061%
146	10.669	10.642	10.688	VV	536	10597	0.20%	0.054%
147	10.707	10.688	10.732	VV	484	9632	0.18%	0.049%
148	10.739	10.732	10.751	VV	346	3236	0.06%	0.017%
149	10.752	10.751	10.759	VV	335	1229	0.02%	0.006%
150	10.792	10.759	10.809	VV	880	15326	0.29%	0.079%
151	10.824	10.809	10.843	VV	732	12744	0.24%	0.065%
152	10.865	10.843	10.891	VV	883	19209	0.36%	0.099%
153	10.929	10.891	10.967	VV	862	27902	0.52%	0.143%
154	10.984	10.967	11.007	VV	843	14071	0.26%	0.072%
155	11.024	11.007	11.028	VV	622	7384	0.14%	0.038%
156	11.058	11.028	11.117	VV	2515	50870	0.95%	0.261%
157	11.126	11.117	11.134	VV	434	3690	0.07%	0.019%
158	11.138	11.134	11.141	VV	464	1752	0.03%	0.009%
159	11.148	11.141	11.192	VV	485	10006	0.19%	0.051%
160	11.217	11.192	11.229	VV	484	8442	0.16%	0.043%
161	11.247	11.229	11.286	VV	599	13953	0.26%	0.072%
162	11.300	11.286	11.313	VV	488	6649	0.12%	0.034%
163	11.355	11.313	11.375	VV	1193	24186	0.45%	0.124%
164	11.384	11.375	11.406	VV	421	5351	0.10%	0.027%
165	11.433	11.406	11.451	VV	309	5797	0.11%	0.030%
166	11.472	11.451	11.481	VV	227	2784	0.05%	0.014%
167	11.489	11.481	11.525	VV	152	2279	0.04%	0.012%
168	11.566	11.525	11.604	VV	957	15927	0.30%	0.082%
169	11.634	11.604	11.665	VV	1520	21602	0.40%	0.111%
170	11.685	11.665	11.696	VV	365	5235	0.10%	0.027%
171	11.707	11.696	11.744	VV	531	10639	0.20%	0.055%
172	11.750	11.744	11.777	VV	206	2252	0.04%	0.012%
173	11.791	11.777	11.806	VV	227	2070	0.04%	0.011%
174	11.824	11.806	11.839	PV	209	2467	0.05%	0.013%
175	11.848	11.839	11.853	VV	224	1437	0.03%	0.007%
176	11.864	11.853	11.878	VV	263	2600	0.05%	0.013%
177	11.882	11.878	11.903	VV	181	1231	0.02%	0.006%
178	11.953	11.903	12.011	PV	396464	4364737	81.36%	22.400%
179	12.025	12.011	12.087	VV	1391	36358	0.68%	0.187%
180	12.116	12.087	12.141	VV	991	21255	0.40%	0.109%
181	12.155	12.141	12.176	VV	391	7202	0.13%	0.037%
182	12.191	12.176	12.194	VV	371	3357	0.06%	0.017%
183	12.211	12.194	12.220	VV	471	6112	0.11%	0.031%
184	12.229	12.220	12.245	VV	544	7061	0.13%	0.036%
185	12.298	12.245	12.321	VV	1456	41371	0.77%	0.212%
186	12.359	12.321	12.385	VV	4758	72602	1.35%	0.373%
187	12.399	12.385	12.423	VV	1210	19841	0.37%	0.102%
188	12.442	12.423	12.451	VV	815	10929	0.20%	0.056%
189	12.456	12.451	12.461	VV	728	4139	0.08%	0.021%
190	12.465	12.461	12.485	VV	736	7623	0.14%	0.039%
191	12.525	12.485	12.556	VV	1903	42458	0.79%	0.218%
192	12.586	12.556	12.626	VV	732	22303	0.42%	0.114%
193	12.629	12.626	12.638	VV	411	2697	0.05%	0.014%
194	12.662	12.638	12.677	VV	582	10254	0.19%	0.053%

					rteres			
195	12.684	12.677	12.695	VV	546	5411	0.10%	0.028%
196	12.720	12.695	12.756	VV	675	20289	0.38%	0.104%
197	12.808	12.756	12.854	VV	13416	191342	3.57%	0.982%
198	12.883	12.854	12.919	VV	2105	35973	0.67%	0.185%
199	12.947	12.919	12.969	VV	1928	26669	0.50%	0.137%
200	13.016	12.969	13.055	VV	2692	57673	1.08%	0.296%
201	13.070	13.055	13.131	VV	339	7640	0.14%	0.039%
202	13.143	13.131	13.147	VV	200	1033	0.02%	0.005%
203	13.152	13.147	13.177	VV	146	1817	0.03%	0.009%
204	13.234	13.177	13.256	VV	516	15018	0.28%	0.077%
205	13.266	13.256	13.291	VV	377	4651	0.09%	0.024%
206	13.313	13.291	13.342	VV	1137	22871	0.43%	0.117%
207	13.346	13.342	13.358	VV	686	6002	0.11%	0.031%
208	13.393	13.358	13.507	VV	77152	1037560	19.34%	5.325%
209	13.518	13.507	13.526	VV	746	7464	0.14%	0.038%
210	13.529	13.526	13.541	VV	708	5951	0.11%	0.031%
211	13.561	13.541	13.575	VV	1098	17669	0.33%	0.091%
212	13.579	13.575	13.589	VV	821	6692	0.12%	0.034%
213	13.617	13.589	13.661	VV	3255	65200	1.22%	0.335%
214	13.676	13.661	13.741	VV	788	26195	0.49%	0.134%
215	13.765	13.741	13.796	VV	989	24614	0.46%	0.126%
216	13.834	13.796	13.847	VV	1074	25363	0.47%	0.130%
217	13.852	13.847	13.881	VV	1088	13810	0.26%	0.071%
218	13.899	13.881	13.939	VV	574	15984	0.30%	0.082%
219	13.945	13.939	13.964	VV	508	6297	0.12%	0.032%
220	14.018	13.964	14.046	VV	751	24121	0.45%	0.124%
221	14.098	14.046	14.122	VV	1434	33308	0.62%	0.171%
222	14.150	14.122	14.177	VV	1486	24802	0.46%	0.127%
223	14.182	14.177	14.227	VV	449	8708	0.16%	0.045%
224	14.234	14.227	14.259	VV	230	3962	0.07%	0.020%
225	14.270	14.259	14.300	VV	272	4191	0.08%	0.022%
226	14.377	14.335	14.404	VV	354	9043	0.17%	0.046%
227	14.420	14.404	14.436	VV	281	4258	0.08%	0.022%
228	14.446	14.436	14.463	VV	270	3563	0.07%	0.018%
229	14.487	14.463	14.506	VV	419	7767	0.14%	0.040%
230	14.515	14.506	14.523	VV	247	2117	0.04%	0.011%
231	14.537	14.523	14.554	VV	257	3954	0.07%	0.020%
232	14.589	14.554	14.629	VV	1401	32459	0.61%	0.167%
233	14.634	14.629	14.664	VV	562	10380	0.19%	0.053%
234	14.671	14.664	14.692	VV	470	7062	0.13%	0.036%
235	14.714	14.692	14.735	VV	662	11664	0.22%	0.060%
236	14.740	14.735	14.749	VV	339	2653	0.05%	0.014%
237	14.769	14.749	14.790	VV	445	9147	0.17%	0.047%
238	14.801	14.790	14.804	VV	558	4329	0.08%	0.022%
239	14.860	14.804	14.895	VV	809	33839	0.63%	0.174%
240	14.922	14.895	14.949	VV	980	20027	0.37%	0.103%
241	14.970	14.949	14.994	VV	534	11094	0.21%	0.057%
242	15.031	14.994	15.050	VV	755	19606	0.37%	0.101%
243	15.061	15.050	15.090	VV	782	12679	0.24%	0.065%
244	15.093	15.090	15.142	VV	336	8515	0.16%	0.044%
245	15.172	15.142	15.187	VV	606	10798	0.20%	0.055%
246	15.213	15.187	15.224	VV	1236	18323	0.34%	0.094%

					rteres			
247	15.256	15.224	15.292	VV	1702	44850	0.84%	0.230%
248	15.314	15.292	15.357	VV	1097	23349	0.44%	0.120%
249	15.382	15.357	15.400	VV	467	8080	0.15%	0.041%
250	15.425	15.400	15.469	VV	1919	34534	0.64%	0.177%
251	15.478	15.469	15.496	VV	594	3844	0.07%	0.020%
252	15.500	15.496	15.514	VV	212	1319	0.02%	0.007%
253	15.529	15.514	15.544	VV	192	2006	0.04%	0.010%
254	15.571	15.544	15.594	VV	250	4483	0.08%	0.023%
255	15.623	15.594	15.656	VV	366	7077	0.13%	0.036%
256	15.687	15.656	15.715	VV	322	7302	0.14%	0.037%
257	15.750	15.715	15.755	VV	360	6178	0.12%	0.032%
258	15.795	15.755	15.828	VV	5705	85131	1.59%	0.437%
259	15.835	15.828	15.870	VV	374	6077	0.11%	0.031%
260	15.899	15.870	15.932	VV	779	17830	0.33%	0.092%
261	15.940	15.932	15.960	VV	440	6627	0.12%	0.034%
262	15.989	15.960	16.041	VV	840	21769	0.41%	0.112%
263	16.045	16.041	16.057	VV	383	3081	0.06%	0.016%
264	16.063	16.057	16.069	VV	377	2593	0.05%	0.013%
265	16.073	16.069	16.076	VV	491	1744	0.03%	0.009%
266	16.094	16.076	16.101	VV	550	7156	0.13%	0.037%
267	16.134	16.101	16.157	VV	880	20401	0.38%	0.105%
268	16.172	16.157	16.204	VV	392	6871	0.13%	0.035%
269	16.209	16.204	16.216	VV	191	1166	0.02%	0.006%
270	16.239	16.216	16.260	VV	981	15583	0.29%	0.080%
271	16.281	16.260	16.313	VV	1224	22431	0.42%	0.115%
272	16.332	16.313	16.404	VV	628	17841	0.33%	0.092%
273	16.412	16.404	16.424	VV	126	1348	0.03%	0.007%
274	16.428	16.424	16.441	VV	170	1130	0.02%	0.006%
275	16.457	16.441	16.482	VV	243	4440	0.08%	0.023%
276	16.492	16.482	16.513	VV	235	2481	0.05%	0.013%
277	16.519	16.513	16.551	PV	191	2712	0.05%	0.014%
278	16.564	16.551	16.569	VV	174	1434	0.03%	0.007%
279	16.582	16.569	16.606	VV	216	3466	0.06%	0.018%
280	16.664	16.606	16.673	VV	252	6671	0.12%	0.034%
281	16.677	16.673	16.686	VV	204	1282	0.02%	0.007%
282	16.720	16.686	16.743	VV	303	7268	0.14%	0.037%
283	16.768	16.743	16.801	VV	1068	23655	0.44%	0.121%
284	16.807	16.801	16.822	VV	670	8015	0.15%	0.041%
285	16.846	16.822	16.875	VV	1309	25882	0.48%	0.133%
286	16.881	16.875	16.888	VV	429	3213	0.06%	0.016%
287	16.898	16.888	16.902	VV	476	3454	0.06%	0.018%
288	16.920	16.902	16.934	VV	604	10413	0.19%	0.053%
289	16.940	16.934	16.949	VV	544	4455	0.08%	0.023%
290	16.957	16.949	16.967	VV	578	5519	0.10%	0.028%
291	16.971	16.967	16.979	VV	536	3287	0.06%	0.017%
292	16.982	16.979	17.006	VV	467	6865	0.13%	0.035%
293	17.009	17.006	17.017	VV	456	2453	0.05%	0.013%
294	17.024	17.017	17.032	VV	433	3373	0.06%	0.017%
295	17.038	17.032	17.044	VV	380	2455	0.05%	0.013%
296	17.053	17.044	17.065	VV	440	4662	0.09%	0.024%
297	17.090	17.065	17.111	VV	578	12741	0.24%	0.065%
298	17.119	17.111	17.126	VV	598	4904	0.09%	0.025%
299	17.130	17.126	17.141	VV	612	4308	0.08%	0.022%

					rteres			
300	17.165	17.141	17.179	VV	682	12954	0.24%	0.066%
301	17.209	17.179	17.214	VV	973	14768	0.28%	0.076%
302	17.232	17.214	17.266	VV	1179	24372	0.45%	0.125%
303	17.281	17.266	17.296	VV	625	9563	0.18%	0.049%
304	17.312	17.296	17.332	VV	695	10990	0.20%	0.056%
305	17.335	17.332	17.346	VV	384	2610	0.05%	0.013%
306	17.349	17.346	17.366	VV	338	3032	0.06%	0.016%
307	17.387	17.373	17.402	VV	218	3149	0.06%	0.016%
308	17.423	17.414	17.448	VV	189	2276	0.04%	0.012%
309	17.472	17.461	17.492	PV	197	1601	0.03%	0.008%
310	17.514	17.501	17.522	VV	168	1551	0.03%	0.008%
311	17.565	17.522	17.594	VV	408	9330	0.17%	0.048%
312	17.614	17.594	17.619	VV	139	1679	0.03%	0.009%
313	17.646	17.633	17.652	VV	232	1981	0.04%	0.010%
314	17.687	17.652	17.722	VV	981	19704	0.37%	0.101%
315	17.729	17.722	17.739	VV	160	1110	0.02%	0.006%
316	17.747	17.739	17.759	VV	142	1380	0.03%	0.007%
317	17.782	17.759	17.819	VV	381	9810	0.18%	0.050%
318	17.836	17.824	17.849	VV	203	2451	0.05%	0.013%
319	17.855	17.849	17.865	VV	224	1745	0.03%	0.009%
320	17.898	17.865	17.910	VV	195	4245	0.08%	0.022%
321	17.943	17.910	17.959	VV	293	5641	0.11%	0.029%
322	17.964	17.959	17.980	VV	186	1740	0.03%	0.009%
323	17.986	17.980	18.005	VV	103	1149	0.02%	0.006%
324	18.051	18.019	18.059	VV	249	4301	0.08%	0.022%
325	18.124	18.059	18.155	VV	1150	28657	0.53%	0.147%
326	18.167	18.155	18.172	VV	216	1679	0.03%	0.009%
327	18.216	18.172	18.261	VV	1099	24057	0.45%	0.123%
328	18.270	18.261	18.292	VV	325	4619	0.09%	0.024%
329	18.298	18.292	18.316	VV	211	2215	0.04%	0.011%
330	18.346	18.338	18.367	VV	138	1481	0.03%	0.008%
331	18.419	18.381	18.424	PV	199	3179	0.06%	0.016%
332	18.450	18.424	18.467	VV	325	4675	0.09%	0.024%
333	18.501	18.467	18.507	VV	308	3837	0.07%	0.020%
334	18.549	18.512	18.594	VV	1332	32308	0.60%	0.166%
335	18.601	18.594	18.619	VV	505	6043	0.11%	0.031%
336	18.641	18.619	18.665	VV	517	10211	0.19%	0.052%
337	18.677	18.665	18.705	VV	280	4614	0.09%	0.024%
338	18.792	18.731	18.851	PBA	466	15411	0.29%	0.079%
Sum of corrected areas:					19485451			

Aromatic EPH 102925.M Tue Nov 18 01:15:54 2025

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/06/25
Project:	Edison Landfill	Date Received:	11/07/25
Client Sample ID:	SED-2	SDG No.:	Q3586
Lab Sample ID:	Q3586-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	41.4
Sample Wt/Vol:	30.08 g	Final Vol:	2000 uL
Prep Method :		Test:	EPH
	Prep Date	11/17/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C12	Aliphatic C9-C12	0.56	J	1	0.34	2.41	mg/kg	11/17/25	PB170577
Aliphatic C12-C16	Aliphatic C12-C16	0.82	J	1	0.27	1.61	mg/kg	11/17/25	PB170577
Aliphatic C16-C21	Aliphatic C16-C21	0.99	J	1	0.31	2.41	mg/kg	11/17/25	PB170577
Aliphatic C21-C28	Aliphatic C21-C28	1.31	J	1	1.28	3.21	mg/kg	11/17/25	PB170577
Aliphatic C28-C40	Aliphatic C28-C40	5.57		1	2.84	4.82	mg/kg	11/17/25	PB170577
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	37.1			40 - 140	74%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	0.00			40 - 140	0%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3586-02	Acq On:	17 Nov 2025 18:31
Client Sample ID:	SED-2	Operator:	YP\AJ
Data file:	FG016930.D	Misc:	
Instrument:	FID_G	ALS Vial:	25
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.260	6.901	426808	3.498	300	ug/ml
Aliphatic C12-C16	6.902	10.358	626107	5.096	200	ug/ml
Aliphatic C16-C21	10.359	13.749	818695	6.184	300	ug/ml
Aliphatic C21-C28	13.750	17.436	1133960	8.156	400	ug/ml
Aliphatic C28-C40	17.437	22.460	3948627	34.7	600	ug/ml
Aliphatic EPH	3.260	22.460	6954197	57.634		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.481	13.481	4466629	37.09		ug/ml
Aliphatic C9-C28	3.260	17.436	3005570	22.934	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG111725AL\
Data File : FG016930.D
Signal(s) : FID1A.ch
Acq On : 17 Nov 2025 18:31
Operator : YP\AJ
Sample : Q3586-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
SED-2

Integration File: autoint1.e
Quant Time: Nov 18 01:22:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 16:21:47 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.481	4466629	37.088 ug/ml
Spiked Amount 50.000		Recovery =	74.18%

Target Compounds

(f)=RT Delta > 1/2 Window

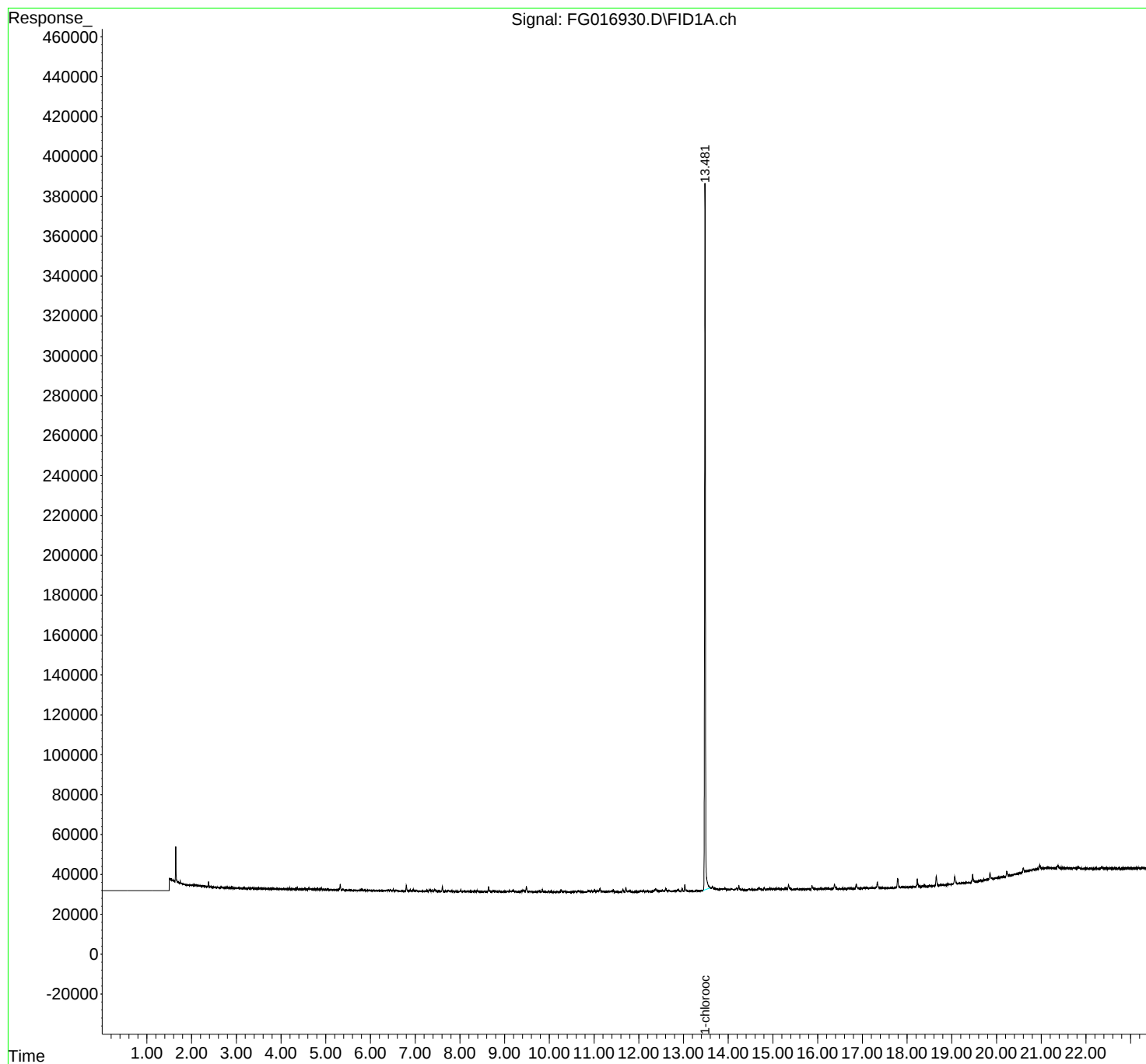
(m)=manual int.

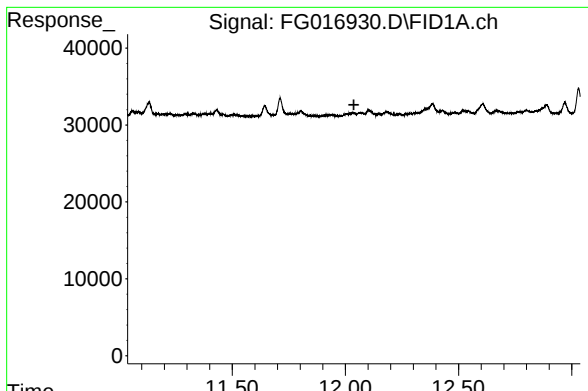
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG111725AL\
Data File : FG016930.D
Signal(s) : FID1A.ch
Acq On : 17 Nov 2025 18:31
Operator : YP\AJ
Sample : Q3586-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
SED-2

Integration File: autoint1.e
Quant Time: Nov 18 01:22:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 16:21:47 2025
Response via : Initial Calibration
Integrator: ChemStation

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

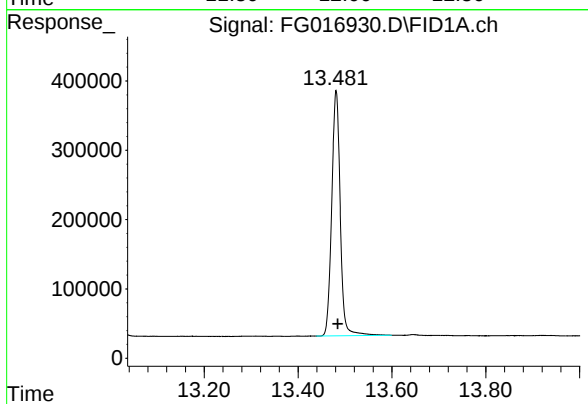




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 12.038 min
Response: 0
Conc: N.D.

Instrument :
FID_G
ClientSampleId :
SED-2



#12 1-chlorooctadecane (SURR)

R.T.: 13.481 min
Delta R.T.: -0.004 min
Response: 4466629
Conc: 37.09 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG111725AL\
 Data File : FG016930.D
 Signal(s) : FID1A.ch
 Acq On : 17 Nov 2025 18:31
 Sample : Q3586-02
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.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	3.241	3.222	3.288	BV	59	1156	0.03%	0.010%
2	3.290	3.288	3.330	PV	68	461	0.01%	0.004%
3	3.363	3.330	3.420	VV	297	4161	0.09%	0.036%
4	3.428	3.420	3.465	VV	57	1067	0.02%	0.009%
5	3.475	3.465	3.492	VV	84	769	0.02%	0.007%
6	3.509	3.492	3.518	VV	93	976	0.02%	0.008%
7	3.529	3.518	3.578	VV	86	1399	0.03%	0.012%
8	3.604	3.578	3.645	VV	101	2954	0.06%	0.026%
9	3.648	3.645	3.662	VV	103	760	0.02%	0.007%
10	3.685	3.662	3.703	VV	159	2365	0.05%	0.020%
11	3.716	3.703	3.731	VV	99	1187	0.03%	0.010%
12	3.754	3.731	3.788	VV	225	3176	0.07%	0.027%
13	3.814	3.788	3.837	VV	208	2549	0.06%	0.022%
14	3.849	3.837	3.934	VV	97	4260	0.09%	0.037%
15	3.953	3.934	4.034	VV	168	4806	0.10%	0.042%
16	4.058	4.034	4.068	VV	143	1987	0.04%	0.017%
17	4.078	4.068	4.124	VV	169	2215	0.05%	0.019%
18	4.136	4.124	4.142	VV	97	702	0.02%	0.006%
19	4.157	4.142	4.174	VV	317	3651	0.08%	0.032%
20	4.192	4.174	4.222	VV	567	7578	0.16%	0.066%
21	4.230	4.222	4.250	VV	111	1404	0.03%	0.012%
22	4.270	4.250	4.315	VV	248	4727	0.10%	0.041%
23	4.328	4.315	4.337	VV	168	1800	0.04%	0.016%
24	4.363	4.337	4.385	VV	561	8364	0.18%	0.072%
25	4.390	4.385	4.408	VV	172	1505	0.03%	0.013%
26	4.422	4.408	4.458	VV	133	3589	0.08%	0.031%
27	4.498	4.458	4.512	VV	186	4345	0.09%	0.038%
28	4.531	4.512	4.558	VV	384	6851	0.15%	0.059%
29	4.568	4.558	4.605	VV	229	4616	0.10%	0.040%
30	4.621	4.605	4.683	VV	900	16262	0.35%	0.141%
31	4.695	4.683	4.722	VV	193	3797	0.08%	0.033%
32	4.745	4.722	4.772	VV	434	8833	0.19%	0.076%
33	4.779	4.772	4.785	VV	199	1430	0.03%	0.012%
34	4.809	4.785	4.854	VV	830	14392	0.31%	0.125%
35	4.873	4.854	4.888	VV	709	8233	0.18%	0.071%
36	4.906	4.888	4.948	VV	1092	14688	0.32%	0.127%

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37	4.973	4.948	4.999	VV	223	5606	0.12%	0.049%
38	5.037	4.999	5.075	VV	400	9779	0.21%	0.085%
39	5.079	5.075	5.110	VV	224	3836	0.08%	0.033%
40	5.119	5.110	5.176	VV	229	5818	0.13%	0.050%
41	5.185	5.176	5.198	VV	137	1433	0.03%	0.012%
42	5.238	5.198	5.277	VV	291	7941	0.17%	0.069%
43	5.325	5.277	5.360	VV	2938	41838	0.91%	0.362%
44	5.387	5.360	5.419	VV	689	10927	0.24%	0.095%
45	5.443	5.419	5.485	VV	288	4989	0.11%	0.043%
46	5.534	5.485	5.558	PV	179	5507	0.12%	0.048%
47	5.571	5.558	5.603	VV	162	2818	0.06%	0.024%
48	5.613	5.603	5.629	PV	109	1301	0.03%	0.011%
49	5.645	5.629	5.698	VV	139	4391	0.10%	0.038%
50	5.729	5.698	5.748	VV	261	4194	0.09%	0.036%
51	5.766	5.748	5.792	VV	489	7605	0.17%	0.066%
52	5.807	5.792	5.852	VV	980	13161	0.29%	0.114%
53	5.869	5.852	5.905	VV	286	4942	0.11%	0.043%
54	5.955	5.905	6.015	VV	306	10080	0.22%	0.087%
55	6.025	6.015	6.046	VV	163	1618	0.04%	0.014%
56	6.074	6.046	6.112	VV	290	5089	0.11%	0.044%
57	6.134	6.112	6.166	VV	271	4068	0.09%	0.035%
58	6.201	6.166	6.227	VV	155	2471	0.05%	0.021%
59	6.247	6.227	6.268	PV	277	2847	0.06%	0.025%
60	6.298	6.268	6.324	VV	232	4043	0.09%	0.035%
61	6.360	6.324	6.382	VV	493	9149	0.20%	0.079%
62	6.399	6.382	6.425	VV	605	7967	0.17%	0.069%
63	6.445	6.425	6.487	VV	912	14108	0.31%	0.122%
64	6.508	6.487	6.545	VV	848	11492	0.25%	0.099%
65	6.577	6.545	6.612	VV	332	7930	0.17%	0.069%
66	6.622	6.612	6.660	VV	114	1936	0.04%	0.017%
67	6.687	6.660	6.705	VV	124	1528	0.03%	0.013%
68	6.712	6.705	6.722	VV	208	626	0.01%	0.005%
69	6.731	6.722	6.751	VV	81	805	0.02%	0.007%
70	6.762	6.751	6.768	VV	61	494	0.01%	0.004%
71	6.801	6.768	6.872	VV	3045	44651	0.97%	0.386%
72	6.886	6.872	6.908	VV	686	7961	0.17%	0.069%
73	6.924	6.908	6.937	VV	360	4399	0.10%	0.038%
74	6.955	6.937	6.977	VV	1052	12886	0.28%	0.112%
75	6.990	6.977	7.012	VV	402	5666	0.12%	0.049%
76	7.029	7.012	7.065	VV	620	8320	0.18%	0.072%
77	7.088	7.065	7.122	VV	188	3575	0.08%	0.031%
78	7.143	7.122	7.188	VV	229	4380	0.10%	0.038%
79	7.215	7.188	7.237	VV	187	2898	0.06%	0.025%
80	7.258	7.237	7.292	PV	618	8201	0.18%	0.071%
81	7.314	7.292	7.330	VV	773	11462	0.25%	0.099%
82	7.338	7.330	7.352	VV	679	6273	0.14%	0.054%
83	7.376	7.352	7.407	VV	651	14094	0.31%	0.122%
84	7.442	7.407	7.466	VV	988	18837	0.41%	0.163%
85	7.483	7.466	7.507	VV	413	5245	0.11%	0.045%
86	7.523	7.507	7.534	VV	174	2088	0.05%	0.018%
87	7.551	7.534	7.580	VV	303	5031	0.11%	0.044%
88	7.608	7.580	7.648	VV	2663	32145	0.70%	0.278%
89	7.685	7.648	7.705	VV	348	8087	0.18%	0.070%

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90	7.718	7.705	7.730	VV	423	4394	0.10%	0.038%
91	7.752	7.730	7.799	VV	568	12808	0.28%	0.111%
92	7.818	7.799	7.832	VV	427	5898	0.13%	0.051%
93	7.845	7.832	7.878	VV	445	5724	0.12%	0.050%
94	7.915	7.878	7.955	VV	188	5052	0.11%	0.044%
95	7.965	7.955	7.986	VV	127	1749	0.04%	0.015%
96	8.019	7.986	8.062	VV	993	13369	0.29%	0.116%
97	8.106	8.062	8.115	VV	195	4605	0.10%	0.040%
98	8.121	8.115	8.149	VV	251	2841	0.06%	0.025%
99	8.189	8.149	8.209	VV	293	5983	0.13%	0.052%
100	8.218	8.209	8.229	VV	159	1369	0.03%	0.012%
101	8.245	8.229	8.270	VV	150	2392	0.05%	0.021%
102	8.283	8.270	8.312	VV	140	2405	0.05%	0.021%
103	8.332	8.312	8.365	PV	541	7548	0.16%	0.065%
104	8.388	8.365	8.410	VV	841	10827	0.24%	0.094%
105	8.426	8.410	8.445	VV	240	3971	0.09%	0.034%
106	8.460	8.445	8.499	VV	196	3857	0.08%	0.033%
107	8.508	8.499	8.518	VV	111	926	0.02%	0.008%
108	8.547	8.518	8.614	VV	347	9249	0.20%	0.080%
109	8.641	8.614	8.713	VV	2704	44974	0.98%	0.389%
110	8.754	8.713	8.772	VV	479	12779	0.28%	0.111%
111	8.791	8.772	8.818	VV	503	9342	0.20%	0.081%
112	8.835	8.818	8.858	VV	420	5814	0.13%	0.050%
113	8.876	8.858	8.915	VV	588	7650	0.17%	0.066%
114	8.994	8.915	9.039	PV	404	12835	0.28%	0.111%
115	9.067	9.039	9.082	VV	267	5750	0.13%	0.050%
116	9.104	9.082	9.120	VV	548	8920	0.19%	0.077%
117	9.136	9.120	9.146	VV	426	5740	0.12%	0.050%
118	9.190	9.146	9.230	VV	872	25871	0.56%	0.224%
119	9.249	9.230	9.282	VV	451	6700	0.15%	0.058%
120	9.301	9.282	9.332	VV	353	5657	0.12%	0.049%
121	9.340	9.332	9.348	VV	164	1275	0.03%	0.011%
122	9.374	9.348	9.392	VV	663	9764	0.21%	0.085%
123	9.407	9.392	9.458	VV	1084	24488	0.53%	0.212%
124	9.488	9.458	9.532	VV	2731	44762	0.97%	0.387%
125	9.561	9.532	9.587	VV	659	9513	0.21%	0.082%
126	9.610	9.587	9.646	VV	456	7161	0.16%	0.062%
127	9.663	9.646	9.677	VV	167	2519	0.05%	0.022%
128	9.694	9.677	9.740	VV	311	8295	0.18%	0.072%
129	9.776	9.740	9.818	VV	598	13975	0.30%	0.121%
130	9.842	9.818	9.885	VV	1172	18647	0.41%	0.161%
131	9.914	9.885	9.935	VV	230	5258	0.11%	0.046%
132	9.941	9.935	9.961	VV	166	1923	0.04%	0.017%
133	9.985	9.961	10.014	VV	581	9326	0.20%	0.081%
134	10.038	10.014	10.088	VV	606	11037	0.24%	0.096%
135	10.098	10.088	10.116	VV	175	1627	0.04%	0.014%
136	10.128	10.116	10.139	VV	80	729	0.02%	0.006%
137	10.181	10.139	10.217	PV	416	6941	0.15%	0.060%
138	10.227	10.217	10.238	VV	173	1796	0.04%	0.016%
139	10.260	10.238	10.311	VV	1304	21505	0.47%	0.186%
140	10.332	10.311	10.396	VV	436	14980	0.33%	0.130%
141	10.407	10.396	10.455	VV	213	4640	0.10%	0.040%

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142	10.538	10.455	10.558	PV	300	6520	0.14%	0.056%
143	10.581	10.558	10.602	VV	551	8766	0.19%	0.076%
144	10.609	10.602	10.621	VV	274	2584	0.06%	0.022%
145	10.654	10.621	10.675	VV	708	13707	0.30%	0.119%
146	10.692	10.675	10.714	VV	569	9269	0.20%	0.080%
147	10.742	10.714	10.786	VV	453	11135	0.24%	0.096%
148	10.796	10.786	10.832	VV	178	4008	0.09%	0.035%
149	10.865	10.832	10.879	VV	600	10254	0.22%	0.089%
150	10.897	10.879	10.917	VV	488	9126	0.20%	0.079%
151	10.944	10.917	10.966	VV	702	14747	0.32%	0.128%
152	11.006	10.966	11.040	VV	886	24958	0.54%	0.216%
153	11.061	11.040	11.078	VV	746	12708	0.28%	0.110%
154	11.084	11.078	11.101	VV	636	7520	0.16%	0.065%
155	11.132	11.101	11.192	VV	1915	41569	0.90%	0.360%
156	11.222	11.192	11.243	VV	414	10153	0.22%	0.088%
157	11.258	11.243	11.270	VV	254	3344	0.07%	0.029%
158	11.293	11.270	11.315	VV	314	7047	0.15%	0.061%
159	11.328	11.315	11.355	VV	432	7745	0.17%	0.067%
160	11.375	11.355	11.388	VV	417	6636	0.14%	0.057%
161	11.401	11.388	11.410	VV	410	4881	0.11%	0.042%
162	11.431	11.410	11.452	VV	909	13784	0.30%	0.119%
163	11.460	11.452	11.479	VV	310	3392	0.07%	0.029%
164	11.508	11.479	11.551	VV	272	6918	0.15%	0.060%
165	11.564	11.551	11.602	VV	114	1987	0.04%	0.017%
166	11.643	11.602	11.685	VV	1426	23437	0.51%	0.203%
167	11.711	11.685	11.742	VV	2379	35093	0.76%	0.304%
168	11.759	11.742	11.775	VV	394	6842	0.15%	0.059%
169	11.804	11.775	11.865	VV	738	17075	0.37%	0.148%
170	11.870	11.865	11.888	VV	145	941	0.02%	0.008%
171	11.941	11.888	11.972	PV	192	5989	0.13%	0.052%
172	12.030	11.972	12.052	VV	395	12250	0.27%	0.106%
173	12.103	12.052	12.158	VV	747	24497	0.53%	0.212%
174	12.181	12.158	12.222	VV	533	12673	0.28%	0.110%
175	12.237	12.222	12.258	VV	281	3711	0.08%	0.032%
176	12.306	12.258	12.325	VV	397	11249	0.24%	0.097%
177	12.384	12.325	12.412	VV	1560	45430	0.99%	0.393%
178	12.428	12.412	12.456	VV	664	11787	0.26%	0.102%
179	12.482	12.456	12.502	VV	375	7570	0.16%	0.066%
180	12.522	12.502	12.538	VV	642	10332	0.22%	0.089%
181	12.543	12.538	12.568	VV	560	6888	0.15%	0.060%
182	12.606	12.568	12.643	VV	1431	33414	0.73%	0.289%
183	12.668	12.643	12.742	VV	606	19839	0.43%	0.172%
184	12.764	12.742	12.778	VV	374	6757	0.15%	0.058%
185	12.799	12.778	12.825	VV	567	12436	0.27%	0.108%
186	12.889	12.825	12.935	VV	1264	37514	0.82%	0.325%
187	12.969	12.935	13.001	VV	1573	24868	0.54%	0.215%
188	13.030	13.001	13.082	VV	3394	51323	1.12%	0.444%
189	13.092	13.082	13.133	VV	317	6763	0.15%	0.059%
190	13.153	13.133	13.259	VV	312	11061	0.24%	0.096%
191	13.309	13.259	13.342	PV	397	13490	0.29%	0.117%
192	13.357	13.342	13.373	VV	317	4418	0.10%	0.038%
193	13.400	13.373	13.409	VV	445	6680	0.15%	0.058%
194	13.481	13.409	13.624	VV	355055	4598915	100.00%	39.803%

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195	13.646	13.624	13.679	VV	2531	59264	1.29%	0.513%
196	13.695	13.679	13.745	VV	1423	47706	1.04%	0.413%
197	13.762	13.745	13.805	VV	1024	31302	0.68%	0.271%
198	13.824	13.805	13.834	VV	943	14864	0.32%	0.129%
199	13.855	13.834	13.898	VV	1004	36859	0.80%	0.319%
200	13.921	13.898	13.933	VV	1230	23148	0.50%	0.200%
201	13.937	13.933	13.972	VV	1125	19153	0.42%	0.166%
202	13.989	13.972	14.015	VV	708	16425	0.36%	0.142%
203	14.031	14.015	14.045	VV	763	12405	0.27%	0.107%
204	14.070	14.045	14.127	VV	965	38638	0.84%	0.334%
205	14.145	14.127	14.154	VV	753	10722	0.23%	0.093%
206	14.185	14.154	14.212	VV	1406	30992	0.67%	0.268%
207	14.238	14.212	14.278	VV	2681	49108	1.07%	0.425%
208	14.291	14.278	14.312	VV	630	10688	0.23%	0.092%
209	14.332	14.312	14.366	VV	485	13048	0.28%	0.113%
210	14.387	14.366	14.412	VV	368	8164	0.18%	0.071%
211	14.472	14.412	14.518	VV	791	30146	0.66%	0.261%
212	14.539	14.518	14.562	VV	469	11007	0.24%	0.095%
213	14.574	14.562	14.588	VV	508	7145	0.16%	0.062%
214	14.627	14.588	14.638	VV	543	13721	0.30%	0.119%
215	14.683	14.638	14.781	VV	1226	58246	1.27%	0.504%
216	14.805	14.781	14.846	VV	1357	28472	0.62%	0.246%
217	14.874	14.846	14.887	VV	594	13025	0.28%	0.113%
218	14.923	14.887	14.949	VV	765	25746	0.56%	0.223%
219	14.964	14.949	14.988	VV	771	15989	0.35%	0.138%
220	15.006	14.988	15.039	VV	696	17201	0.37%	0.149%
221	15.062	15.039	15.080	VV	714	14324	0.31%	0.124%
222	15.124	15.080	15.142	VV	779	23387	0.51%	0.202%
223	15.157	15.142	15.176	VV	729	12295	0.27%	0.106%
224	15.197	15.176	15.220	VV	666	14239	0.31%	0.123%
225	15.231	15.220	15.252	VV	444	7888	0.17%	0.068%
226	15.271	15.252	15.288	VV	1086	15994	0.35%	0.138%
227	15.305	15.288	15.324	VV	924	15639	0.34%	0.135%
228	15.349	15.324	15.397	VV	2527	50677	1.10%	0.439%
229	15.404	15.397	15.462	VV	468	12170	0.26%	0.105%
230	15.481	15.462	15.500	VV	266	4973	0.11%	0.043%
231	15.543	15.500	15.578	VV	395	14797	0.32%	0.128%
232	15.625	15.578	15.644	VV	360	11015	0.24%	0.095%
233	15.687	15.644	15.717	VV	295	8445	0.18%	0.073%
234	15.740	15.717	15.755	VV	308	4743	0.10%	0.041%
235	15.776	15.755	15.814	VV	378	10000	0.22%	0.087%
236	15.874	15.814	15.961	VV	2044	52792	1.15%	0.457%
237	15.994	15.961	16.032	VV	291	10576	0.23%	0.092%
238	16.053	16.032	16.125	VV	514	18544	0.40%	0.160%
239	16.144	16.125	16.154	VV	268	3997	0.09%	0.035%
240	16.183	16.154	16.215	VV	552	15609	0.34%	0.135%
241	16.230	16.215	16.292	VV	539	15635	0.34%	0.135%
242	16.299	16.292	16.308	VV	199	1470	0.03%	0.013%
243	16.339	16.308	16.352	VV	449	7485	0.16%	0.065%
244	16.378	16.352	16.458	VV	2618	54918	1.19%	0.475%
245	16.466	16.458	16.498	VV	177	2721	0.06%	0.024%
246	16.514	16.498	16.528	PV	94	1089	0.02%	0.009%

					rteres			
247	16.556	16.528	16.623	VV	349	10531	0.23%	0.091%
248	16.632	16.623	16.645	VV	94	892	0.02%	0.008%
249	16.692	16.645	16.715	VV	281	7240	0.16%	0.063%
250	16.740	16.715	16.790	VV	225	5701	0.12%	0.049%
251	16.865	16.790	16.946	VV	2506	51704	1.12%	0.447%
252	16.957	16.946	16.971	VV	208	2367	0.05%	0.020%
253	17.029	16.971	17.055	VV	349	11895	0.26%	0.103%
254	17.073	17.055	17.137	VV	373	12903	0.28%	0.112%
255	17.168	17.137	17.184	VV	444	7829	0.17%	0.068%
256	17.216	17.184	17.248	VV	456	11696	0.25%	0.101%
257	17.256	17.248	17.279	VV	308	4493	0.10%	0.039%
258	17.334	17.279	17.422	VV	3019	65073	1.41%	0.563%
259	17.446	17.422	17.474	VV	228	5964	0.13%	0.052%
260	17.483	17.474	17.523	VV	224	4262	0.09%	0.037%
261	17.581	17.523	17.607	VV	180	5484	0.12%	0.047%
262	17.628	17.607	17.648	VV	198	2940	0.06%	0.025%
263	17.670	17.648	17.692	VV	213	3173	0.07%	0.027%
264	17.788	17.692	17.848	PV	4659	83972	1.83%	0.727%
265	17.895	17.848	17.948	VV	313	14062	0.31%	0.122%
266	17.955	17.948	17.978	VV	117	1761	0.04%	0.015%
267	17.997	17.978	18.030	VV	144	2912	0.06%	0.025%
268	18.074	18.030	18.093	VV	333	5655	0.12%	0.049%
269	18.132	18.093	18.142	VV	177	3678	0.08%	0.032%
270	18.227	18.142	18.329	VV	4083	77414	1.68%	0.670%
271	18.377	18.329	18.427	VV	607	17595	0.38%	0.152%
272	18.435	18.427	18.459	VV	113	1315	0.03%	0.011%
273	18.505	18.459	18.535	PV	468	9889	0.22%	0.086%
274	18.551	18.535	18.572	VV	217	3230	0.07%	0.028%
275	18.653	18.572	18.723	PV	4938	83520	1.82%	0.723%
276	18.747	18.723	18.767	VV	446	7019	0.15%	0.061%
277	18.796	18.767	18.825	VV	230	4976	0.11%	0.043%
278	18.918	18.825	18.942	VV	368	9282	0.20%	0.080%
279	18.954	18.942	19.008	VV	251	4149	0.09%	0.036%
280	19.066	19.008	19.138	PV	3780	74950	1.63%	0.649%
281	19.223	19.138	19.292	VV	332	15868	0.35%	0.137%
282	19.320	19.292	19.344	VV	333	6433	0.14%	0.056%
283	19.377	19.344	19.410	VV	202	6098	0.13%	0.053%
284	19.465	19.410	19.530	PV	3947	73363	1.60%	0.635%
285	19.647	19.530	19.676	VV	613	33889	0.74%	0.293%
286	19.714	19.676	19.735	VV	690	19706	0.43%	0.171%
287	19.792	19.735	19.803	VV	668	24946	0.54%	0.216%
288	19.854	19.803	19.933	VV	3975	113870	2.48%	0.986%
289	20.040	19.933	20.062	VV	1093	75835	1.65%	0.656%
290	20.150	20.062	20.183	VV	1479	89283	1.94%	0.773%
291	20.231	20.183	20.262	VV	3896	100444	2.18%	0.869%
292	20.287	20.262	20.304	VV	1657	40308	0.88%	0.349%
293	20.417	20.304	20.437	VV	1994	139702	3.04%	1.209%
294	20.479	20.437	20.487	VV	2181	63020	1.37%	0.545%
295	20.511	20.487	20.535	VV	2465	66671	1.45%	0.577%
296	20.543	20.535	20.550	VV	2332	20757	0.45%	0.180%
297	20.599	20.550	20.635	VV	4707	165075	3.59%	1.429%
298	20.668	20.635	20.688	VV	3105	95156	2.07%	0.824%
299	20.842	20.688	20.850	VV	3437	311019	6.76%	2.692%

					rteres			
300	20.877	20.850	20.931	VV	3599	169795	3.69%	1.470%
301	20.967	20.931	21.012	VV	5098	195870	4.26%	1.695%
302	21.051	21.012	21.073	VV	3528	127265	2.77%	1.101%
303	21.155	21.073	21.193	VV	3583	249723	5.43%	2.161%
304	21.210	21.193	21.251	VV	3329	111528	2.43%	0.965%
305	21.272	21.251	21.314	VV	3093	112244	2.44%	0.971%
306	21.374	21.314	21.454	VV	4126	262615	5.71%	2.273%
307	21.468	21.454	21.521	VV	2769	103747	2.26%	0.898%
308	21.531	21.521	21.540	VV	2491	27552	0.60%	0.238%
309	21.546	21.540	21.615	VV	2463	104722	2.28%	0.906%
310	21.628	21.615	21.637	VV	2240	28565	0.62%	0.247%
311	21.658	21.637	21.692	VV	2147	68419	1.49%	0.592%
312	21.709	21.692	21.797	VV	2060	119733	2.60%	1.036%
313	21.834	21.797	21.900	VV	2393	111805	2.43%	0.968%
314	21.911	21.900	21.942	VV	1365	33105	0.72%	0.287%
315	21.978	21.942	22.002	VV	1301	45160	0.98%	0.391%
316	22.008	22.002	22.048	VV	1175	30523	0.66%	0.264%
317	22.071	22.048	22.122	VV	1001	40024	0.87%	0.346%
318	22.148	22.122	22.184	VV	827	28174	0.61%	0.244%
319	22.213	22.184	22.271	VV	687	31012	0.67%	0.268%
320	22.353	22.271	22.478	VV	1063	58401	1.27%	0.505%

Sum of corrected areas: 11554263

Aliphatic EPH 102925.M Tue Nov 18 03:12:46 2025

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/06/25
Project:	Edison Landfill	Date Received:	11/07/25
Client Sample ID:	SED-3	SDG No.:	Q3586
Lab Sample ID:	Q3586-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	50.9
Sample Wt/Vol:	30.07 g	Test:	EPH
Prep Method :	Final Vol: 2000 uL Prep Date : 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C9-C12	Aliphatic C9-C12	0.38	J	1	0.27	1.96	mg/kg	FG016958.D	11/20/25 13:13	PB170577
Aliphatic C12-C16	Aliphatic C12-C16	0.34	J	1	0.22	1.31	mg/kg	FG016958.D	11/20/25 13:13	PB170577
Aliphatic C16-C21	Aliphatic C16-C21	0.45	J	1	0.26	1.96	mg/kg	FG016958.D	11/20/25 13:13	PB170577
Aliphatic C21-C28	Aliphatic C21-C28	1.28	J	1	1.04	2.61	mg/kg	FG016958.D	11/20/25 13:13	PB170577
Aliphatic C28-C40	Aliphatic C28-C40	4.64		1	2.31	3.92	mg/kg	FG016958.D	11/20/25 13:13	PB170577
Aromatic C10-C12	Aromatic C10-C12	0.25	J	1	0.24	1.31	mg/kg	FF016724.D	11/17/25 19:01	PB170577
Aromatic C12-C16	Aromatic C12-C16	4.66		1	0.45	1.96	mg/kg	FF016724.D	11/17/25 19:01	PB170577
Aromatic C16-C21	Aromatic C16-C21	2.53	J	1	0.78	3.27	mg/kg	FF016724.D	11/17/25 19:01	PB170577
Aromatic C21-C36	Aromatic C21-C36	2.33	U	1	2.33	5.23	mg/kg	FF016724.D	11/17/25 19:01	PB170577
Total AliphaticEPH	Total AliphaticEPH	7.09	J		4.09	11.8	mg/kg			
Total AromaticEPH	Total AromaticEPH	7.44	J		3.80	11.8	mg/kg			
Total EPH	Total EPH	14.5	J		7.89	23.5	mg/kg			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/06/25
Project:	Edison Landfill	Date Received:	11/07/25
Client Sample ID:	SED-3	SDG No.:	Q3586
Lab Sample ID:	Q3586-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	50.9
Sample Wt/Vol:	30.07 g	Final Vol:	2000 uL
Prep Method :		Test:	EPH
	Prep Date	11/17/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aromatic C10-C12	Aromatic C10-C12	0.25	J	1	0.24	1.31	mg/kg	11/17/25	PB170577
Aromatic C12-C16	Aromatic C12-C16	4.66		1	0.45	1.96	mg/kg	11/17/25	PB170577
Aromatic C16-C21	Aromatic C16-C21	2.53	J	1	0.78	3.27	mg/kg	11/17/25	PB170577
Aromatic C21-C36	Aromatic C21-C36	2.33	U	1	2.33	5.23	mg/kg	11/17/25	PB170577
SURROGATES									
580-13-2	2-Bromonaphthalene (SURR)	55.6			40 - 140	111%	SPK: 50		
321-60-8	2-Fluorobiphenyl (SURR)	59.1			40 - 140	118%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	47.4			40 - 140	95%	SPK: 50		

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q3586-03	Acq On:	17 Nov 2025 19:01
Client Sample ID:	SED-3	Operator:	YP\AJ
Data file:	FF016724.D	Misc:	
Instrument:	FID_F	ALS Vial:	78
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.502	6.378	251867	1.909	200	ug/ml
Aromatic C12-C16	6.379	9.083	4815581	35.627	300	ug/ml
Aromatic C16-C21	9.084	13.405	2587692	19.348	500	ug/ml
Aromatic C21-C36	13.406	18.870	890465	7.568	800	ug/ml
Aromatic EPH	4.502	18.870	8545605	64.452		ug/ml
2-Bromonaphthalene (SURR)	8.011	8.011	6303217	55.62		ug/ml
2-Fluorobiphenyl (SURR)	8.886	8.886	4211923	59.06		ug/ml
ortho-Terphenyl (SURR)	11.954	11.954	6957013	47.37		ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111725AR\
 Data File : FF016724.D
 Signal(s) : FID2B.ch
 Acq On : 17 Nov 2025 19:01
 Operator : YP\AJ
 Sample : Q3586-03
 Misc :
 ALS Vial : 78 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 SED-3

Integration File: autoint1.e
 Quant Time: Nov 18 00:34:55 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 29 18:27:43 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	8.011	6303217	55.622 ug/ml
Spiked Amount 50.000		Recovery =	111.24%
6) S 2-Fluorobiphenyl (SURR)	8.886	4211923	59.056 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	118.11%
11) S ortho-Terphenyl (SURR)	11.954	6957013	47.374 ug/ml
Spiked Amount 50.000		Recovery =	94.75%

Target Compounds

(f)=RT Delta > 1/2 Window

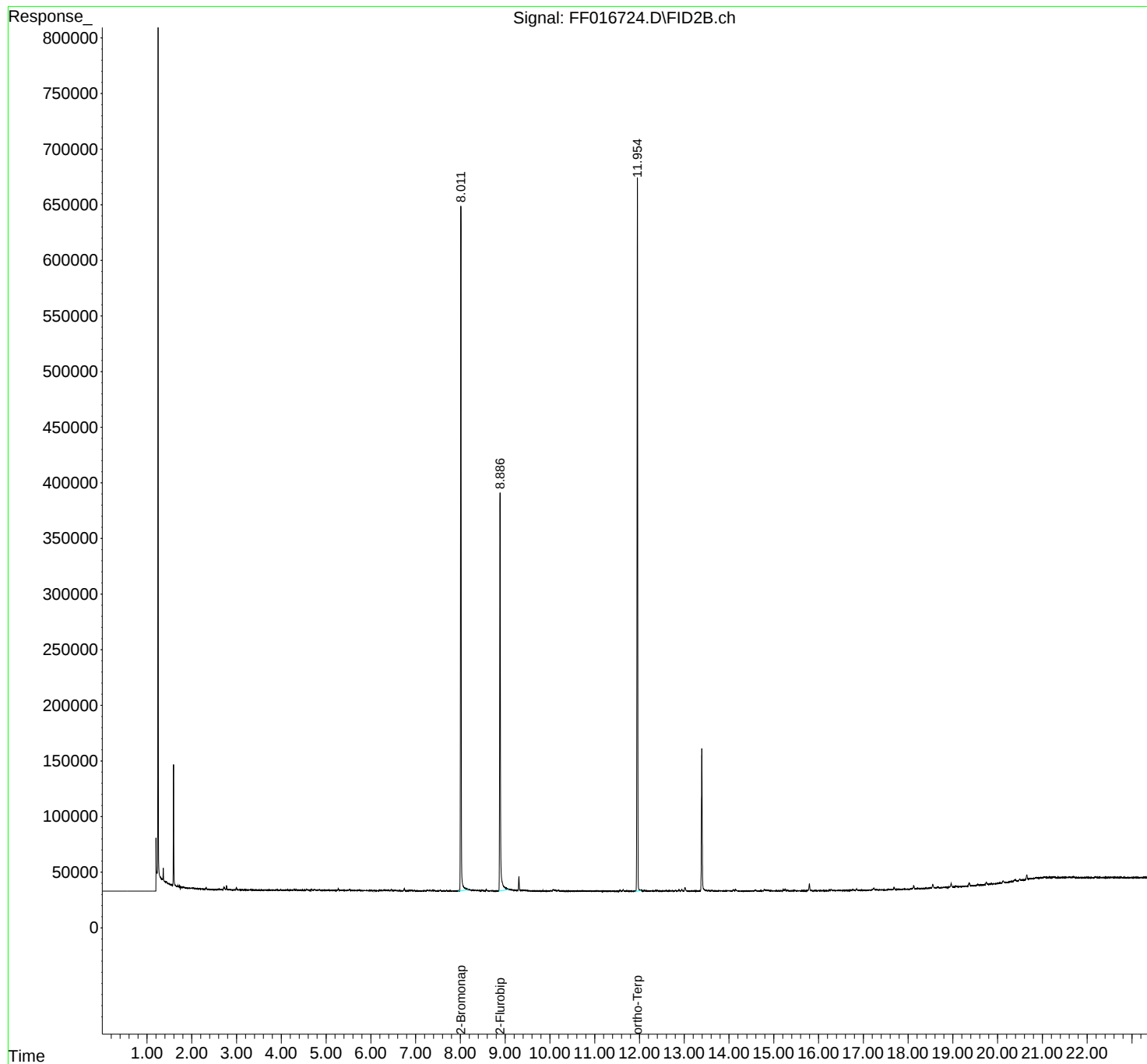
(m)=manual int.

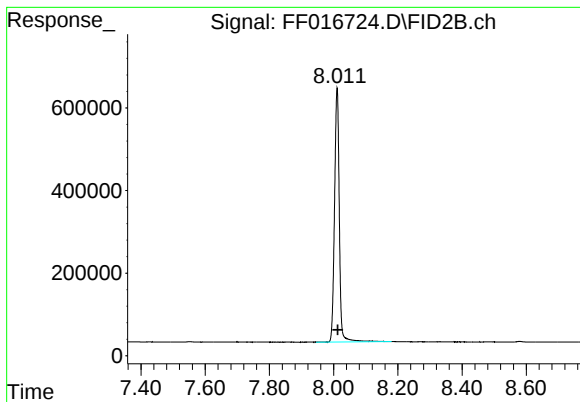
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111725AR\
Data File : FF016724.D
Signal(s) : FID2B.ch
Acq On : 17 Nov 2025 19:01
Operator : YP\AJ
Sample : Q3586-03
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
SED-3

Integration File: autoint1.e
Quant Time: Nov 18 00:34:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 18:27:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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

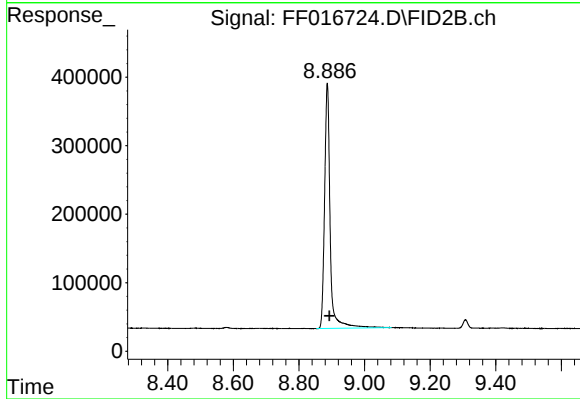




#4 2-Bromonaphthalene (SURR)

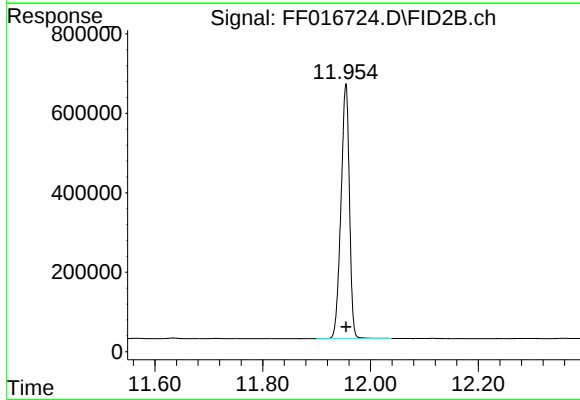
R.T.: 8.011 min
Delta R.T.: -0.002 min
Response: 6303217
Conc: 55.62 ug/ml

Instrument :
FID_F
ClientSampleId :
SED-3



#6 2-Fluorobiphenyl (SURR)

R.T.: 8.886 min
Delta R.T.: -0.006 min
Response: 4211923
Conc: 59.06 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.954 min
Delta R.T.: 0.000 min
Response: 6957013
Conc: 47.37 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111725AR\
 Data File : FF016724.D
 Signal(s) : FID2B.ch
 Acq On : 17 Nov 2025 19:01
 Sample : Q3586-03
 Misc :
 ALS Vial : 78 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.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	4.477	4.454	4.501	PV	423	4338	0.06%	0.020%
2	4.506	4.501	4.545	PV	134	1432	0.02%	0.007%
3	4.568	4.545	4.590	VV	1084	11762	0.17%	0.053%
4	4.601	4.590	4.627	VV	377	3952	0.06%	0.018%
5	4.645	4.627	4.657	VV	184	1825	0.03%	0.008%
6	4.677	4.657	4.717	VV	520	9116	0.13%	0.041%
7	4.734	4.717	4.745	VV	928	10416	0.15%	0.047%
8	4.755	4.745	4.777	VV	605	7724	0.11%	0.035%
9	4.794	4.777	4.802	VV	210	2193	0.03%	0.010%
10	4.819	4.802	4.835	VV	471	4771	0.07%	0.022%
11	4.851	4.835	4.872	VV	663	7344	0.10%	0.033%
12	4.889	4.872	4.896	VV	167	1415	0.02%	0.006%
13	4.911	4.896	4.919	VV	159	1588	0.02%	0.007%
14	4.925	4.919	4.943	VV	123	1586	0.02%	0.007%
15	4.959	4.952	4.971	VV	170	1484	0.02%	0.007%
16	4.983	4.971	5.008	VV	235	3655	0.05%	0.017%
17	5.030	5.008	5.051	VV	221	3857	0.06%	0.018%
18	5.068	5.051	5.127	VV	335	5586	0.08%	0.025%
19	5.149	5.134	5.166	VV	168	1935	0.03%	0.009%
20	5.173	5.166	5.225	VV	205	3997	0.06%	0.018%
21	5.248	5.225	5.255	VV	333	3524	0.05%	0.016%
22	5.272	5.255	5.305	VV	1706	21555	0.31%	0.098%
23	5.330	5.305	5.351	PV	459	8181	0.12%	0.037%
24	5.369	5.351	5.380	VV	437	5551	0.08%	0.025%
25	5.387	5.380	5.442	VV	348	5387	0.08%	0.024%
26	5.485	5.464	5.491	VV	117	1115	0.02%	0.005%
27	5.517	5.497	5.555	VV	1142	18754	0.27%	0.085%
28	5.566	5.555	5.575	VV	327	3364	0.05%	0.015%
29	5.583	5.575	5.593	VV	278	2339	0.03%	0.011%
30	5.599	5.593	5.620	VV	171	2111	0.03%	0.010%
31	5.643	5.620	5.654	VV	182	2709	0.04%	0.012%
32	5.671	5.667	5.689	VV	159	1462	0.02%	0.007%
33	5.708	5.689	5.723	VV	468	5529	0.08%	0.025%
34	5.755	5.723	5.774	VV	532	9761	0.14%	0.044%
35	5.785	5.774	5.799	VV	146	1307	0.02%	0.006%
36	5.818	5.799	5.829	VV	162	1950	0.03%	0.009%

					rteres			
37	5.846	5.838	5.889	VV	173	3536	0.05%	0.016%
38	5.903	5.889	5.914	VV	284	2803	0.04%	0.013%
39	5.917	5.914	5.938	VV	209	1861	0.03%	0.008%
40	5.975	5.938	5.988	PV	279	3896	0.06%	0.018%
41	6.020	6.003	6.044	VV	285	4211	0.06%	0.019%
42	6.061	6.044	6.072	VV	247	2692	0.04%	0.012%
43	6.080	6.072	6.131	VV	362	5180	0.07%	0.024%
44	6.149	6.131	6.171	VV	133	1481	0.02%	0.007%
45	6.197	6.171	6.216	PV	725	9885	0.14%	0.045%
46	6.220	6.216	6.227	VV	285	1469	0.02%	0.007%
47	6.247	6.227	6.263	VV	328	4799	0.07%	0.022%
48	6.296	6.263	6.329	VV	890	21141	0.30%	0.096%
49	6.344	6.329	6.369	VV	648	8676	0.12%	0.039%
50	6.390	6.369	6.429	VV	1017	16034	0.23%	0.073%
51	6.455	6.429	6.496	VV	1225	18937	0.27%	0.086%
52	6.513	6.496	6.522	VV	313	3791	0.05%	0.017%
53	6.532	6.522	6.537	VV	348	2762	0.04%	0.013%
54	6.541	6.537	6.553	VV	317	2655	0.04%	0.012%
55	6.560	6.553	6.579	VV	262	3565	0.05%	0.016%
56	6.595	6.579	6.604	VV	316	3906	0.06%	0.018%
57	6.611	6.604	6.627	VV	259	3156	0.05%	0.014%
58	6.631	6.627	6.653	VV	293	3511	0.05%	0.016%
59	6.658	6.653	6.669	VV	242	1810	0.03%	0.008%
60	6.674	6.669	6.705	VV	179	2830	0.04%	0.013%
61	6.713	6.705	6.722	VV	175	1420	0.02%	0.006%
62	6.746	6.722	6.809	VV	2090	28469	0.41%	0.129%
63	6.834	6.809	6.853	VV	376	5379	0.08%	0.024%
64	6.865	6.853	6.883	VV	385	4375	0.06%	0.020%
65	6.900	6.883	6.921	VV	750	9368	0.13%	0.043%
66	6.934	6.921	6.956	VV	349	3739	0.05%	0.017%
67	6.976	6.956	7.005	VV	542	7022	0.10%	0.032%
68	7.029	7.005	7.061	VV	273	3385	0.05%	0.015%
69	7.089	7.070	7.111	VV	206	2394	0.03%	0.011%
70	7.155	7.111	7.180	PV	236	3750	0.05%	0.017%
71	7.200	7.180	7.239	PV	355	6513	0.09%	0.030%
72	7.260	7.239	7.273	VV	635	8249	0.12%	0.038%
73	7.278	7.273	7.297	VV	524	5572	0.08%	0.025%
74	7.319	7.297	7.349	VV	713	12660	0.18%	0.058%
75	7.368	7.349	7.379	VV	711	9167	0.13%	0.042%
76	7.386	7.379	7.410	VV	745	8805	0.13%	0.040%
77	7.427	7.410	7.446	VV	594	7591	0.11%	0.035%
78	7.467	7.446	7.492	VV	205	3870	0.06%	0.018%
79	7.498	7.492	7.511	VV	225	1471	0.02%	0.007%
80	7.528	7.511	7.536	VV	236	2349	0.03%	0.011%
81	7.553	7.536	7.596	VV	1131	15390	0.22%	0.070%
82	7.613	7.596	7.624	VV	350	3681	0.05%	0.017%
83	7.628	7.624	7.646	VV	272	2518	0.04%	0.011%
84	7.663	7.646	7.679	VV	332	3910	0.06%	0.018%
85	7.699	7.679	7.742	VV	417	8330	0.12%	0.038%
86	7.766	7.742	7.809	VV	363	7670	0.11%	0.035%
87	7.815	7.809	7.891	VV	143	3555	0.05%	0.016%
88	7.933	7.911	7.945	VV	201	2613	0.04%	0.012%
89	7.963	7.945	7.979	VV	380	4643	0.07%	0.021%

					rteres			
90	8.011	7.979	8.256	VV	615078	6448564	92.17%	29.318%
91	8.270	8.256	8.300	VV	1024	22588	0.32%	0.103%
92	8.330	8.300	8.344	VV	931	20385	0.29%	0.093%
93	8.349	8.344	8.377	VV	634	11481	0.16%	0.052%
94	8.383	8.377	8.386	VV	574	2699	0.04%	0.012%
95	8.389	8.386	8.444	VV	575	16321	0.23%	0.074%
96	8.446	8.444	8.462	VV	463	4504	0.06%	0.020%
97	8.482	8.462	8.544	VV	771	24179	0.35%	0.110%
98	8.579	8.544	8.606	VV	1798	29242	0.42%	0.133%
99	8.611	8.606	8.619	VV	382	2541	0.04%	0.012%
100	8.625	8.619	8.646	VV	366	4378	0.06%	0.020%
101	8.673	8.646	8.709	VV	425	12267	0.18%	0.056%
102	8.716	8.709	8.721	VV	379	2307	0.03%	0.010%
103	8.724	8.721	8.756	VV	399	5923	0.08%	0.027%
104	8.772	8.756	8.794	VV	301	5110	0.07%	0.023%
105	8.816	8.794	8.835	VV	386	5728	0.08%	0.026%
106	8.841	8.835	8.854	VV	177	1264	0.02%	0.006%
107	8.887	8.854	9.160	VV	359247	4393849	62.80%	19.977%
108	9.165	9.160	9.170	VV	989	5588	0.08%	0.025%
109	9.178	9.170	9.216	VV	1029	24436	0.35%	0.111%
110	9.232	9.216	9.261	VV	896	21024	0.30%	0.096%
111	9.264	9.261	9.277	VV	720	6514	0.09%	0.030%
112	9.308	9.277	9.335	VV	13187	149776	2.14%	0.681%
113	9.343	9.335	9.357	VV	949	11418	0.16%	0.052%
114	9.362	9.357	9.368	VV	816	5097	0.07%	0.023%
115	9.388	9.368	9.401	VV	978	16144	0.23%	0.073%
116	9.421	9.401	9.456	VV	1224	28202	0.40%	0.128%
117	9.469	9.456	9.478	VV	701	8058	0.12%	0.037%
118	9.481	9.478	9.489	VV	560	3439	0.05%	0.016%
119	9.493	9.489	9.531	VV	604	10865	0.16%	0.049%
120	9.549	9.531	9.564	VV	397	6956	0.10%	0.032%
121	9.566	9.564	9.576	VV	310	1986	0.03%	0.009%
122	9.593	9.576	9.612	VV	463	8020	0.11%	0.036%
123	9.629	9.612	9.672	VV	408	10545	0.15%	0.048%
124	9.689	9.672	9.696	VV	305	3419	0.05%	0.016%
125	9.708	9.696	9.726	VV	324	4681	0.07%	0.021%
126	9.738	9.726	9.747	VV	218	2075	0.03%	0.009%
127	9.774	9.747	9.812	VV	440	9458	0.14%	0.043%
128	9.838	9.812	9.844	VV	344	2892	0.04%	0.013%
129	9.854	9.844	9.885	VV	246	3828	0.05%	0.017%
130	9.910	9.897	9.949	VV	246	4350	0.06%	0.020%
131	9.966	9.949	9.999	VV	273	5157	0.07%	0.023%
132	10.023	9.999	10.046	VV	894	12019	0.17%	0.055%
133	10.071	10.046	10.099	VV	1483	30682	0.44%	0.139%
134	10.107	10.099	10.155	VV	1154	24714	0.35%	0.112%
135	10.159	10.155	10.168	VV	424	3036	0.04%	0.014%
136	10.189	10.168	10.237	VV	1257	22730	0.32%	0.103%
137	10.260	10.237	10.279	VV	343	6543	0.09%	0.030%
138	10.282	10.279	10.320	VV	254	3922	0.06%	0.018%
139	10.331	10.320	10.338	VV	179	1575	0.02%	0.007%
140	10.355	10.338	10.383	VV	221	3932	0.06%	0.018%
141	10.423	10.406	10.444	VV	134	1974	0.03%	0.009%

					rteres			
142	10.459	10.444	10.471	VV	122	1190	0.02%	0.005%
143	10.490	10.478	10.496	VV	134	1031	0.01%	0.005%
144	10.506	10.496	10.537	VV	238	3503	0.05%	0.016%
145	10.554	10.537	10.569	VV	186	2278	0.03%	0.010%
146	10.586	10.569	10.601	VV	268	3500	0.05%	0.016%
147	10.619	10.601	10.642	VV	327	5290	0.08%	0.024%
148	10.650	10.642	10.659	VV	229	1759	0.03%	0.008%
149	10.665	10.659	10.691	VV	260	3597	0.05%	0.016%
150	10.710	10.691	10.730	VV	376	5512	0.08%	0.025%
151	10.750	10.730	10.771	VV	235	4589	0.07%	0.021%
152	10.814	10.771	10.845	VV	389	10675	0.15%	0.049%
153	10.930	10.845	10.972	VV	404	20990	0.30%	0.095%
154	10.984	10.972	11.009	VV	267	4027	0.06%	0.018%
155	11.053	11.009	11.099	VV	531	14836	0.21%	0.067%
156	11.112	11.099	11.129	VV	217	2400	0.03%	0.011%
157	11.151	11.129	11.167	VV	213	3195	0.05%	0.015%
158	11.189	11.167	11.229	VV	157	4246	0.06%	0.019%
159	11.258	11.229	11.284	VV	182	4318	0.06%	0.020%
160	11.323	11.284	11.337	VV	187	4254	0.06%	0.019%
161	11.354	11.337	11.390	VV	251	4515	0.06%	0.021%
162	11.400	11.390	11.422	VV	110	1839	0.03%	0.008%
163	11.436	11.422	11.481	VV	124	2495	0.04%	0.011%
164	11.565	11.521	11.599	VV	1139	16742	0.24%	0.076%
165	11.634	11.599	11.690	VV	1585	24727	0.35%	0.112%
166	11.713	11.690	11.762	VV	408	9211	0.13%	0.042%
167	11.790	11.762	11.814	VV	125	2218	0.03%	0.010%
168	11.829	11.814	11.856	VV	153	2039	0.03%	0.009%
169	11.954	11.898	12.080	PV	640023	6996396	100.00%	31.809%
170	12.116	12.080	12.179	VV	802	23558	0.34%	0.107%
171	12.237	12.179	12.247	VV	295	9428	0.13%	0.043%
172	12.297	12.247	12.334	VV	600	16793	0.24%	0.076%
173	12.359	12.334	12.378	VV	930	14269	0.20%	0.065%
174	12.397	12.378	12.426	VV	866	14776	0.21%	0.067%
175	12.437	12.426	12.492	VV	327	8154	0.12%	0.037%
176	12.527	12.492	12.548	VV	405	8387	0.12%	0.038%
177	12.579	12.548	12.617	VV	486	14333	0.20%	0.065%
178	12.628	12.617	12.640	VV	437	4495	0.06%	0.020%
179	12.658	12.640	12.707	VV	701	17072	0.24%	0.078%
180	12.730	12.707	12.759	VV	421	9223	0.13%	0.042%
181	12.806	12.759	12.844	VV	1023	20130	0.29%	0.092%
182	12.884	12.844	12.915	VV	1644	27633	0.39%	0.126%
183	12.946	12.915	12.984	VV	1917	28028	0.40%	0.127%
184	13.017	12.984	13.119	VV	3183	64223	0.92%	0.292%
185	13.151	13.119	13.182	VV	242	4716	0.07%	0.021%
186	13.230	13.182	13.294	VV	393	12646	0.18%	0.057%
187	13.393	13.294	13.546	VV	128605	1659797	23.72%	7.546%
188	13.562	13.546	13.594	VV	553	12389	0.18%	0.056%
189	13.618	13.594	13.719	VV	724	24786	0.35%	0.113%
190	13.780	13.719	13.802	VV	444	14823	0.21%	0.067%
191	13.831	13.802	13.874	VV	427	14865	0.21%	0.068%
192	13.887	13.874	13.931	VV	273	7091	0.10%	0.032%
193	13.991	13.931	14.004	VV	327	11110	0.16%	0.051%
194	14.014	14.004	14.049	VV	298	6050	0.09%	0.028%

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195	14.099	14.049	14.129	VV	1566	28620	0.41%	0.130%
196	14.148	14.129	14.244	VV	1637	30280	0.43%	0.138%
197	14.264	14.244	14.291	VV	248	4365	0.06%	0.020%
198	14.299	14.291	14.318	VV	96	1059	0.02%	0.005%
199	14.384	14.318	14.406	PV	212	5040	0.07%	0.023%
200	14.413	14.406	14.429	VV	92	1085	0.02%	0.005%
201	14.446	14.429	14.467	VV	137	1746	0.02%	0.008%
202	14.484	14.467	14.494	VV	190	1673	0.02%	0.008%
203	14.502	14.494	14.527	VV	105	1895	0.03%	0.009%
204	14.591	14.527	14.682	VV	844	23421	0.33%	0.106%
205	14.715	14.682	14.733	VV	285	4891	0.07%	0.022%
206	14.793	14.733	14.944	VV	1247	63841	0.91%	0.290%
207	14.950	14.944	15.014	VV	290	8707	0.12%	0.040%
208	15.032	15.014	15.059	VV	264	5222	0.07%	0.024%
209	15.096	15.059	15.132	VV	346	8614	0.12%	0.039%
210	15.158	15.132	15.184	VV	287	5469	0.08%	0.025%
211	15.214	15.184	15.236	VV	1063	19968	0.29%	0.091%
212	15.256	15.236	15.284	VV	1378	22906	0.33%	0.104%
213	15.304	15.284	15.347	VV	574	11807	0.17%	0.054%
214	15.355	15.347	15.367	VV	176	1866	0.03%	0.008%
215	15.376	15.367	15.403	VV	250	3223	0.05%	0.015%
216	15.430	15.403	15.456	VV	285	5139	0.07%	0.023%
217	15.476	15.456	15.517	VV	539	7151	0.10%	0.033%
218	15.557	15.541	15.573	VV	122	1266	0.02%	0.006%
219	15.626	15.573	15.641	VV	184	3400	0.05%	0.015%
220	15.675	15.641	15.714	VV	195	5667	0.08%	0.026%
221	15.795	15.714	15.877	VV	6238	96802	1.38%	0.440%
222	15.909	15.877	15.972	VV	326	8260	0.12%	0.038%
223	15.993	15.972	16.037	VV	168	3935	0.06%	0.018%
224	16.042	16.037	16.071	VV	153	2221	0.03%	0.010%
225	16.079	16.071	16.117	VV	175	3563	0.05%	0.016%
226	16.136	16.117	16.196	VV	200	4697	0.07%	0.021%
227	16.240	16.196	16.262	PV	660	11373	0.16%	0.052%
228	16.280	16.262	16.312	VV	1167	18030	0.26%	0.082%
229	16.344	16.312	16.394	VV	252	5722	0.08%	0.026%
230	16.425	16.394	16.490	VV	186	5851	0.08%	0.027%
231	16.499	16.490	16.517	PV	130	1004	0.01%	0.005%
232	16.567	16.517	16.586	PV	135	3226	0.05%	0.015%
233	16.602	16.586	16.626	VV	119	1916	0.03%	0.009%
234	16.633	16.626	16.656	VV	138	1252	0.02%	0.006%
235	16.678	16.656	16.707	VV	170	2914	0.04%	0.013%
236	16.766	16.707	16.817	VV	776	16087	0.23%	0.073%
237	16.848	16.817	16.899	VV	1272	21792	0.31%	0.099%
238	16.916	16.899	16.991	VV	221	6144	0.09%	0.028%
239	17.033	17.005	17.064	VV	155	2588	0.04%	0.012%
240	17.129	17.096	17.172	PV	199	4194	0.06%	0.019%
241	17.234	17.172	17.262	VV	1873	39526	0.56%	0.180%
242	17.283	17.262	17.297	VV	451	6885	0.10%	0.031%
243	17.309	17.297	17.381	VV	365	8681	0.12%	0.039%
244	17.423	17.381	17.452	VV	115	3068	0.04%	0.014%
245	17.472	17.452	17.499	VV	108	1530	0.02%	0.007%
246	17.567	17.499	17.592	PV	308	8008	0.11%	0.036%

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247	17.601	17.592	17.612	VV	164	1678	0.02%	0.008%	
248	17.687	17.612	17.744	VV	2287	39699	0.57%	0.180%	
249	17.790	17.744	17.831	VV	235	7525	0.11%	0.034%	
250	17.863	17.831	17.870	VV	120	1736	0.02%	0.008%	
251	17.916	17.870	17.941	VV	209	4606	0.07%	0.021%	
252	17.960	17.941	17.992	VV	149	2983	0.04%	0.014%	
253	18.011	17.992	18.029	VV	95	1095	0.02%	0.005%	
254	18.125	18.029	18.173	PV	2967	51696	0.74%	0.235%	
255	18.219	18.173	18.248	VV	590	13690	0.20%	0.062%	
256	18.302	18.248	18.324	VV	204	6357	0.09%	0.029%	
257	18.352	18.324	18.384	VV	160	3755	0.05%	0.017%	
258	18.405	18.384	18.425	VV	265	3683	0.05%	0.017%	
259	18.445	18.425	18.467	PV	281	3833	0.05%	0.017%	
260	18.502	18.467	18.519	VV	359	7026	0.10%	0.032%	
261	18.551	18.519	18.592	VV	3308	56578	0.81%	0.257%	
262	18.646	18.592	18.655	VV	363	8859	0.13%	0.040%	
263	18.673	18.655	18.715	VV	413	7800	0.11%	0.035%	
264	18.819	18.715	18.851	PBA	204	9162	0.13%	0.042%	
					Sum of corrected areas:	21994899			

Aromatic EPH 102925.M Tue Nov 18 01:16:13 2025

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/06/25
Project:	Edison Landfill	Date Received:	11/07/25
Client Sample ID:	SED-3	SDG No.:	Q3586
Lab Sample ID:	Q3586-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	50.9
Sample Wt/Vol:	30.07 g	Final Vol:	2000 uL
Prep Method :		Test:	EPH
	Prep Date	11/17/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C12	Aliphatic C9-C12	0.38	J	1	0.27	1.96	mg/kg	11/20/25	PB170577
Aliphatic C12-C16	Aliphatic C12-C16	0.34	J	1	0.22	1.31	mg/kg	11/20/25	PB170577
Aliphatic C16-C21	Aliphatic C16-C21	0.45	J	1	0.26	1.96	mg/kg	11/20/25	PB170577
Aliphatic C21-C28	Aliphatic C21-C28	1.28	J	1	1.04	2.61	mg/kg	11/20/25	PB170577
Aliphatic C28-C40	Aliphatic C28-C40	4.64		1	2.31	3.92	mg/kg	11/20/25	PB170577
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	69.0			40 - 140	138%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	0.00			40 - 140	0%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3586-03	Acq On:	20 Nov 2025 13:13
Client Sample ID:	SED-3	Operator:	YP\AJ
Data file:	FG016958.D	Misc:	
Instrument:	FID_G	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.258	6.899	358158	2.936	300	ug/ml
Aliphatic C12-C16	6.900	10.356	317338	2.583	200	ug/ml
Aliphatic C16-C21	10.357	13.743	452789	3.42	300	ug/ml
Aliphatic C21-C28	13.744	17.429	1366892	9.831	400	ug/ml
Aliphatic C28-C40	17.430	22.445	4037262	35.479	600	ug/ml
Aliphatic EPH	3.258	22.445	6532439	54.249		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.483	13.483	8310854	69.01		ug/ml
Aliphatic C9-C28	3.258	17.429	2495177	18.77	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG112025AL\
Data File : FG016958.D
Signal(s) : FID1A.ch
Acq On : 20 Nov 2025 13:13
Operator : YP\AJ
Sample : Q3586-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
SED-3

Integration File: autoint1.e
Quant Time: Nov 20 23:49:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 16:21:47 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.483	8310854	69.008 ug/ml
Spiked Amount 50.000		Recovery	= 138.02%

Target Compounds

(f)=RT Delta > 1/2 Window

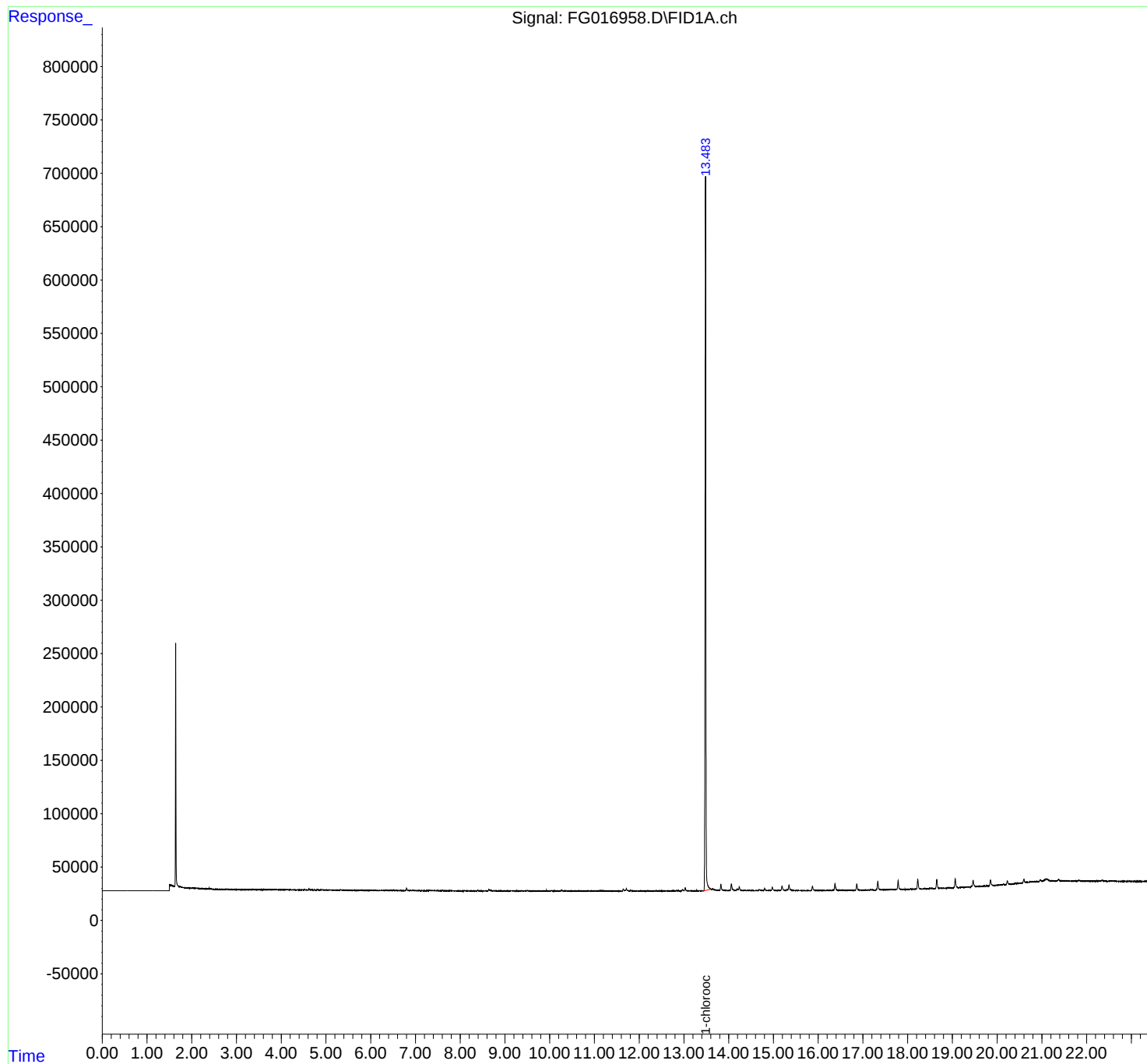
(m)=manual int.

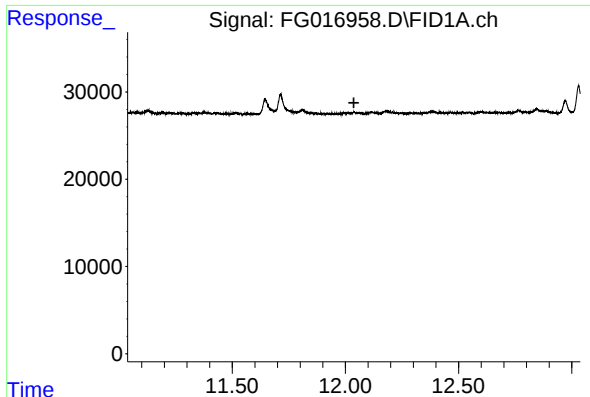
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG112025AL\
Data File : FG016958.D
Signal(s) : FID1A.ch
Acq On : 20 Nov 2025 13:13
Operator : YP\AJ
Sample : Q3586-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
SED-3

Integration File: autoint1.e
Quant Time: Nov 20 23:49:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 16:21:47 2025
Response via : Initial Calibration
Integrator: ChemStation

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

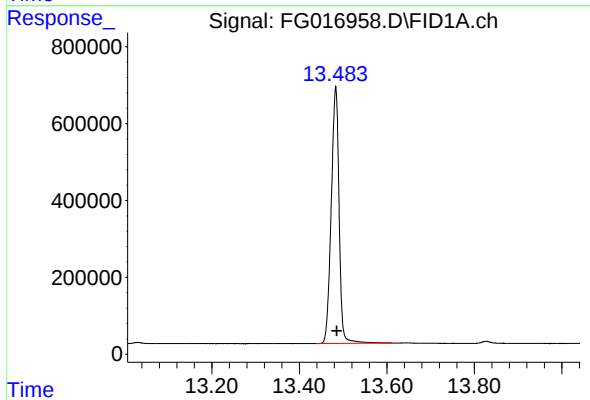




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 12.038 min
Response: 0
Conc: N.D.

Instrument :
FID_G
ClientSampleId :
SED-3



#12 1-chlorooctadecane (SURR)

R.T.: 13.483 min
Delta R.T.: -0.002 min
Response: 8310854
Conc: 69.01 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG112025AL\
 Data File : FG016958.D
 Signal(s) : FID1A.ch
 Acq On : 20 Nov 2025 13:13
 Sample : Q3586-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.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	3.251	3.221	3.261	BV	60	597	0.01%	0.004%
2	3.269	3.261	3.311	PV	82	1405	0.02%	0.009%
3	3.359	3.311	3.400	VV	405	7816	0.09%	0.052%
4	3.411	3.400	3.437	VV	129	1939	0.02%	0.013%
5	3.478	3.437	3.501	VV	151	4186	0.05%	0.028%
6	3.509	3.501	3.584	VV	151	6620	0.08%	0.044%
7	3.599	3.584	3.609	VV	177	2124	0.03%	0.014%
8	3.627	3.609	3.662	VV	202	4844	0.06%	0.032%
9	3.679	3.662	3.728	VV	182	5872	0.07%	0.039%
10	3.740	3.728	3.795	VV	177	5397	0.06%	0.036%
11	3.804	3.795	3.878	VV	187	7923	0.09%	0.053%
12	3.890	3.878	3.941	VV	200	5385	0.06%	0.036%
13	3.971	3.941	4.014	VV	203	5899	0.07%	0.039%
14	4.023	4.014	4.035	VV	146	1500	0.02%	0.010%
15	4.045	4.035	4.055	VV	163	1591	0.02%	0.011%
16	4.068	4.055	4.108	VV	181	3631	0.04%	0.024%
17	4.115	4.108	4.135	VV	153	2103	0.02%	0.014%
18	4.156	4.135	4.173	VV	257	3911	0.05%	0.026%
19	4.192	4.173	4.211	VV	324	4301	0.05%	0.029%
20	4.222	4.211	4.249	VV	138	2662	0.03%	0.018%
21	4.268	4.249	4.282	VV	255	3650	0.04%	0.024%
22	4.291	4.282	4.328	VV	168	3347	0.04%	0.022%
23	4.360	4.328	4.379	VV	262	5059	0.06%	0.034%
24	4.387	4.379	4.415	VV	192	2505	0.03%	0.017%
25	4.434	4.415	4.445	VV	175	2387	0.03%	0.016%
26	4.472	4.445	4.515	VV	210	6714	0.08%	0.045%
27	4.529	4.515	4.553	VV	460	6631	0.08%	0.044%
28	4.562	4.553	4.591	VV	204	2914	0.03%	0.019%
29	4.621	4.591	4.645	VV	944	13282	0.16%	0.089%
30	4.657	4.645	4.711	VV	307	8305	0.10%	0.056%
31	4.737	4.711	4.776	VV	277	7063	0.08%	0.047%

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32	4.805	4.776	4.851	VV	370	8372	0.10%	0.056%
33	4.870	4.851	4.891	VV	265	4284	0.05%	0.029%
34	4.904	4.891	4.930	VV	447	5905	0.07%	0.039%
35	4.950	4.930	5.015	VV	194	7635	0.09%	0.051%
36	5.026	5.015	5.070	VV	206	6123	0.07%	0.041%
37	5.080	5.070	5.104	VV	220	3460	0.04%	0.023%
38	5.114	5.104	5.153	VV	206	4232	0.05%	0.028%
39	5.162	5.153	5.205	VV	119	3131	0.04%	0.021%
40	5.211	5.205	5.221	VV	110	1042	0.01%	0.007%
41	5.236	5.221	5.255	VV	150	2519	0.03%	0.017%
42	5.265	5.255	5.278	VV	164	2005	0.02%	0.013%
43	5.324	5.278	5.363	VV	833	15384	0.18%	0.103%
44	5.381	5.363	5.411	VV	321	5964	0.07%	0.040%
45	5.420	5.411	5.427	VV	93	1017	0.01%	0.007%
46	5.443	5.427	5.486	VV	300	4594	0.05%	0.031%
47	5.535	5.486	5.623	VV	150	6402	0.08%	0.043%
48	5.638	5.623	5.673	VV	110	2139	0.03%	0.014%
49	5.703	5.673	5.712	VV	118	1578	0.02%	0.011%
50	5.725	5.712	5.745	VV	92	1373	0.02%	0.009%
51	5.764	5.745	5.784	VV	232	3895	0.05%	0.026%
52	5.806	5.784	5.827	VV	343	5152	0.06%	0.034%
53	5.843	5.827	5.855	VV	121	1628	0.02%	0.011%
54	5.862	5.855	5.879	VV	143	1742	0.02%	0.012%
55	5.891	5.879	5.903	VV	131	1409	0.02%	0.009%
56	5.939	5.903	5.954	VV	170	3691	0.04%	0.025%
57	5.967	5.954	5.988	VV	209	2800	0.03%	0.019%
58	6.028	5.988	6.055	VV	212	5908	0.07%	0.039%
59	6.076	6.055	6.110	VV	219	5076	0.06%	0.034%
60	6.133	6.110	6.173	VV	217	5555	0.07%	0.037%
61	6.201	6.173	6.220	VV	171	3021	0.04%	0.020%
62	6.244	6.220	6.281	PV	212	3483	0.04%	0.023%
63	6.302	6.281	6.318	VV	163	2568	0.03%	0.017%
64	6.359	6.318	6.381	VV	332	6977	0.08%	0.047%
65	6.399	6.381	6.423	VV	377	5261	0.06%	0.035%
66	6.443	6.423	6.487	VV	530	9574	0.11%	0.064%
67	6.508	6.487	6.554	VV	673	10252	0.12%	0.069%
68	6.577	6.554	6.616	VV	168	4212	0.05%	0.028%
69	6.630	6.616	6.681	VV	90	2089	0.02%	0.014%
70	6.688	6.681	6.714	VV	56	912	0.01%	0.006%
71	6.723	6.714	6.757	PV	78	853	0.01%	0.006%
72	6.802	6.757	6.864	VV	2527	38939	0.46%	0.260%
73	6.884	6.864	6.907	VV	253	5036	0.06%	0.034%
74	6.925	6.907	6.935	VV	256	3049	0.04%	0.020%
75	6.955	6.935	6.978	VV	436	7010	0.08%	0.047%
76	6.992	6.978	7.008	VV	186	2946	0.04%	0.020%
77	7.028	7.008	7.071	VV	275	6108	0.07%	0.041%
78	7.089	7.071	7.128	VV	191	3705	0.04%	0.025%
79	7.142	7.128	7.164	VV	138	1949	0.02%	0.013%

80	7.196	7.164	7.241	PV	rteres 130	4268	0.05%	0.029%
81	7.257	7.241	7.301	VV	217	5062	0.06%	0.034%
82	7.318	7.301	7.350	VV	343	7956	0.09%	0.053%
83	7.379	7.350	7.402	VV	335	7764	0.09%	0.052%
84	7.429	7.402	7.463	VV	396	9286	0.11%	0.062%
85	7.483	7.463	7.511	VV	331	5247	0.06%	0.035%
86	7.525	7.511	7.578	VV	162	4933	0.06%	0.033%
87	7.607	7.578	7.641	VV	544	9357	0.11%	0.063%
88	7.657	7.641	7.667	VV	126	1751	0.02%	0.012%
89	7.687	7.667	7.701	VV	154	2286	0.03%	0.015%
90	7.757	7.701	7.889	VV	185	11810	0.14%	0.079%
91	7.898	7.889	7.968	PV	86	2185	0.03%	0.015%
92	7.974	7.968	7.988	VV	62	375	0.00%	0.003%
93	8.021	7.988	8.077	VV	209	4606	0.05%	0.031%
94	8.090	8.077	8.107	VV	203	2257	0.03%	0.015%
95	8.120	8.107	8.142	VV	161	2419	0.03%	0.016%
96	8.184	8.142	8.229	VV	171	4868	0.06%	0.033%
97	8.245	8.229	8.264	VV	75	1214	0.01%	0.008%
98	8.286	8.264	8.301	VV	104	1158	0.01%	0.008%
99	8.339	8.301	8.358	PV	150	2702	0.03%	0.018%
100	8.389	8.358	8.491	VV	681	13042	0.15%	0.087%
101	8.552	8.491	8.601	PV	200	6748	0.08%	0.045%
102	8.644	8.601	8.715	VV	1496	35773	0.42%	0.239%
103	8.755	8.715	8.813	VV	323	14692	0.17%	0.098%
104	8.831	8.813	8.865	VV	161	3477	0.04%	0.023%
105	8.873	8.865	8.904	VV	152	2266	0.03%	0.015%
106	8.977	8.904	9.032	PV	138	5753	0.07%	0.038%
107	9.045	9.032	9.083	VV	120	3006	0.04%	0.020%
108	9.100	9.083	9.116	VV	145	2277	0.03%	0.015%
109	9.143	9.116	9.175	VV	227	5878	0.07%	0.039%
110	9.188	9.175	9.232	VV	232	4867	0.06%	0.033%
111	9.264	9.232	9.283	VV	108	1999	0.02%	0.013%
112	9.307	9.283	9.325	VV	160	2357	0.03%	0.016%
113	9.373	9.325	9.460	VV	430	17033	0.20%	0.114%
114	9.487	9.460	9.541	VV	531	11353	0.13%	0.076%
115	9.564	9.541	9.601	VV	164	2791	0.03%	0.019%
116	9.608	9.601	9.621	VV	117	827	0.01%	0.006%
117	9.661	9.621	9.691	VV	165	4500	0.05%	0.030%
118	9.727	9.691	9.756	VV	183	4835	0.06%	0.032%
119	9.774	9.756	9.819	VV	208	3759	0.04%	0.025%
120	9.844	9.819	9.888	PV	236	4669	0.06%	0.031%
121	9.913	9.888	9.940	VV	121	2802	0.03%	0.019%
122	9.948	9.940	9.964	VV	45	609	0.01%	0.004%
123	9.992	9.964	10.014	VV	219	3696	0.04%	0.025%
124	10.040	10.014	10.084	VV	549	9374	0.11%	0.063%
125	10.098	10.084	10.132	VV	132	2717	0.03%	0.018%
126	10.140	10.132	10.161	VV	69	1049	0.01%	0.007%

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127	10.191	10.161	10.231	VV	237	5835	0.07%	0.039%
128	10.265	10.231	10.349	VV	874	23083	0.27%	0.154%
129	10.359	10.349	10.416	VV	168	4404	0.05%	0.029%
130	10.441	10.416	10.458	VV	139	1979	0.02%	0.013%
131	10.487	10.458	10.529	VV	207	4125	0.05%	0.028%
132	10.550	10.529	10.561	VV	94	1174	0.01%	0.008%
133	10.578	10.561	10.631	VV	109	2976	0.04%	0.020%
134	10.652	10.631	10.671	VV	208	3323	0.04%	0.022%
135	10.685	10.671	10.731	VV	155	3801	0.05%	0.025%
136	10.745	10.731	10.765	VV	159	2206	0.03%	0.015%
137	10.773	10.765	10.800	VV	105	1664	0.02%	0.011%
138	10.810	10.800	10.881	VV	131	4786	0.06%	0.032%
139	10.951	10.881	10.971	VV	232	7442	0.09%	0.050%
140	10.981	10.971	10.992	VV	253	2667	0.03%	0.018%
141	11.007	10.992	11.036	VV	335	6092	0.07%	0.041%
142	11.072	11.036	11.096	VV	207	6149	0.07%	0.041%
143	11.129	11.096	11.180	VV	404	11108	0.13%	0.074%
144	11.190	11.180	11.209	VV	203	2683	0.03%	0.018%
145	11.225	11.209	11.261	VV	174	3333	0.04%	0.022%
146	11.269	11.261	11.293	VV	134	1922	0.02%	0.013%
147	11.306	11.293	11.314	VV	98	1151	0.01%	0.008%
148	11.327	11.314	11.344	VV	179	2283	0.03%	0.015%
149	11.354	11.344	11.363	VV	136	1390	0.02%	0.009%
150	11.380	11.363	11.412	VV	201	4602	0.05%	0.031%
151	11.424	11.412	11.458	VV	174	2871	0.03%	0.019%
152	11.472	11.458	11.498	VV	104	1731	0.02%	0.012%
153	11.517	11.498	11.546	VV	154	2575	0.03%	0.017%
154	11.645	11.546	11.687	PV	1770	34646	0.41%	0.232%
155	11.714	11.687	11.784	VV	2259	46480	0.55%	0.311%
156	11.810	11.784	11.909	VV	480	14110	0.17%	0.094%
157	11.923	11.909	11.967	VV	82	1702	0.02%	0.011%
158	12.016	11.967	12.024	VV	121	3241	0.04%	0.022%
159	12.037	12.024	12.049	VV	179	2241	0.03%	0.015%
160	12.055	12.049	12.083	VV	133	2052	0.02%	0.014%
161	12.113	12.083	12.149	VV	204	5362	0.06%	0.036%
162	12.179	12.149	12.259	VV	375	11039	0.13%	0.074%
163	12.311	12.259	12.340	PV	121	3776	0.04%	0.025%
164	12.386	12.340	12.411	VV	283	7615	0.09%	0.051%
165	12.421	12.411	12.451	VV	211	3470	0.04%	0.023%
166	12.466	12.451	12.499	VV	172	3504	0.04%	0.023%
167	12.519	12.499	12.529	VV	177	2408	0.03%	0.016%
168	12.545	12.529	12.567	VV	165	2666	0.03%	0.018%
169	12.606	12.567	12.662	VV	253	8409	0.10%	0.056%
170	12.677	12.662	12.701	VV	140	2687	0.03%	0.018%
171	12.725	12.701	12.736	VV	140	2293	0.03%	0.015%
172	12.765	12.736	12.810	VV	358	9387	0.11%	0.063%
173	12.846	12.810	12.875	VV	536	12011	0.14%	0.080%
174	12.888	12.875	12.938	VV	333	6520	0.08%	0.044%

175	12.971	12.938	13.001	PV	rteres 1459	21616	0.26%	0.145%
176	13.030	13.001	13.085	VV	3190	48548	0.58%	0.325%
177	13.091	13.085	13.113	VV	217	2926	0.03%	0.020%
178	13.151	13.113	13.195	VV	421	9745	0.12%	0.065%
179	13.222	13.195	13.235	VV	115	1873	0.02%	0.013%
180	13.240	13.235	13.273	VV	114	1461	0.02%	0.010%
181	13.285	13.273	13.333	VV	159	3296	0.04%	0.022%
182	13.359	13.333	13.385	VV	144	3523	0.04%	0.024%
183	13.401	13.385	13.418	VV	122	1932	0.02%	0.013%
184	13.483	13.418	13.622	VV	671370	8417200	100.00%	56.271%
185	13.645	13.622	13.741	VV	1998	83813	1.00%	0.560%
186	13.753	13.741	13.790	VV	754	20556	0.24%	0.137%
187	13.826	13.790	13.909	VV	6171	120481	1.43%	0.805%
188	13.918	13.909	13.979	VV	549	19214	0.23%	0.128%
189	13.989	13.979	14.007	VV	435	6525	0.08%	0.044%
190	14.060	14.007	14.157	VV	6537	148469	1.76%	0.993%
191	14.189	14.157	14.213	VV	1717	37195	0.44%	0.249%
192	14.237	14.213	14.400	VV	3929	89030	1.06%	0.595%
193	14.469	14.400	14.491	VV	314	14294	0.17%	0.096%
194	14.501	14.491	14.568	VV	289	10577	0.13%	0.071%
195	14.579	14.568	14.615	VV	224	5671	0.07%	0.038%
196	14.631	14.615	14.641	VV	207	2787	0.03%	0.019%
197	14.684	14.641	14.773	VV	1282	38120	0.45%	0.255%
198	14.805	14.773	14.861	VV	2091	38568	0.46%	0.258%
199	14.867	14.861	14.930	VV	240	8251	0.10%	0.055%
200	14.976	14.930	15.075	VV	3087	66404	0.79%	0.444%
201	15.091	15.075	15.114	VV	219	3975	0.05%	0.027%
202	15.128	15.114	15.142	VV	157	2023	0.02%	0.014%
203	15.192	15.142	15.281	VV	4421	94892	1.13%	0.634%
204	15.307	15.281	15.323	VV	1043	18474	0.22%	0.124%
205	15.349	15.323	15.382	VV	5463	88679	1.05%	0.593%
206	15.395	15.382	15.479	VV	996	20284	0.24%	0.136%
207	15.485	15.479	15.498	VV	112	929	0.01%	0.006%
208	15.517	15.498	15.600	VV	216	7821	0.09%	0.052%
209	15.622	15.600	15.666	VV	148	2346	0.03%	0.016%
210	15.690	15.666	15.708	PV	107	1158	0.01%	0.008%
211	15.774	15.708	15.834	VV	194	5213	0.06%	0.035%
212	15.873	15.834	15.972	VV	4190	72725	0.86%	0.486%
213	15.979	15.972	16.005	VV	78	1066	0.01%	0.007%
214	16.042	16.005	16.060	VV	95	2143	0.03%	0.014%
215	16.115	16.060	16.124	PV	76	1507	0.02%	0.010%
216	16.144	16.124	16.169	PV	99	1669	0.02%	0.011%
217	16.197	16.169	16.222	VV	195	3442	0.04%	0.023%
218	16.242	16.222	16.293	VV	155	4122	0.05%	0.028%
219	16.306	16.293	16.318	VV	136	1388	0.02%	0.009%
220	16.339	16.318	16.349	VV	492	6213	0.07%	0.042%
221	16.377	16.349	16.461	VV	6555	113234	1.35%	0.757%

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222	16.473	16.461	16.500	VV	255	3873	0.05%	0.026%
223	16.515	16.500	16.573	VV	254	5815	0.07%	0.039%
224	16.585	16.573	16.607	VV	116	1577	0.02%	0.011%
225	16.689	16.607	16.718	VV	275	7309	0.09%	0.049%
226	16.736	16.718	16.788	VV	225	4575	0.05%	0.031%
227	16.864	16.788	16.966	PV	5918	101573	1.21%	0.679%
228	16.995	16.966	17.015	VV	123	2796	0.03%	0.019%
229	17.032	17.015	17.110	VV	170	5757	0.07%	0.038%
230	17.168	17.110	17.190	VV	270	6124	0.07%	0.041%
231	17.216	17.190	17.252	VV	301	6110	0.07%	0.041%
232	17.333	17.252	17.414	VV	7933	137971	1.64%	0.922%
233	17.427	17.414	17.455	VV	180	3967	0.05%	0.027%
234	17.458	17.455	17.488	VV	162	2176	0.03%	0.015%
235	17.496	17.488	17.512	VV	143	1251	0.01%	0.008%
236	17.554	17.512	17.597	VV	162	5041	0.06%	0.034%
237	17.624	17.597	17.651	VV	355	6483	0.08%	0.043%
238	17.674	17.651	17.694	PV	259	3577	0.04%	0.024%
239	17.725	17.694	17.744	VV	202	3909	0.05%	0.026%
240	17.787	17.744	17.862	VV	8301	138948	1.65%	0.929%
241	17.888	17.862	17.968	VV	313	11722	0.14%	0.078%
242	17.973	17.968	17.981	VV	113	681	0.01%	0.005%
243	17.990	17.981	18.027	VV	158	3072	0.04%	0.021%
244	18.069	18.027	18.096	VV	565	11053	0.13%	0.074%
245	18.116	18.096	18.150	VV	290	5194	0.06%	0.035%
246	18.226	18.150	18.324	PV	9360	165168	1.96%	1.104%
247	18.373	18.324	18.431	VV	618	18772	0.22%	0.125%
248	18.500	18.431	18.525	VV	677	13881	0.16%	0.093%
249	18.550	18.525	18.583	VV	701	11251	0.13%	0.075%
250	18.609	18.583	18.620	VV	282	3037	0.04%	0.020%
251	18.651	18.620	18.719	VV	8596	144758	1.72%	0.968%
252	18.744	18.719	18.775	VV	669	12096	0.14%	0.081%
253	18.808	18.775	18.833	VV	144	3531	0.04%	0.024%
254	18.839	18.833	18.846	PV	46	179	0.00%	0.001%
255	18.915	18.846	18.942	VV	755	14342	0.17%	0.096%
256	18.961	18.942	18.990	VV	334	4905	0.06%	0.033%
257	19.064	18.990	19.143	PV	8656	153650	1.83%	1.027%
258	19.214	19.143	19.261	VV	454	19345	0.23%	0.129%
259	19.320	19.261	19.348	VV	582	16271	0.19%	0.109%
260	19.365	19.348	19.401	VV	528	10337	0.12%	0.069%
261	19.464	19.401	19.550	VV	6514	147519	1.75%	0.986%
262	19.636	19.550	19.681	VV	726	39448	0.47%	0.264%
263	19.712	19.681	19.734	VV	894	21607	0.26%	0.144%
264	19.757	19.734	19.788	VV	711	18591	0.22%	0.124%
265	19.853	19.788	19.941	VV	6204	156690	1.86%	1.048%
266	19.999	19.941	20.011	VV	903	33478	0.40%	0.224%
267	20.035	20.011	20.065	VV	936	27850	0.33%	0.186%
268	20.093	20.065	20.115	VV	1234	32248	0.38%	0.216%
269	20.140	20.115	20.190	VV	1463	51471	0.61%	0.344%

					rteres			
270	20.229	20.190	20.266	VV	4571	107566	1.28%	0.719%
271	20.283	20.266	20.308	VV	1485	34566	0.41%	0.231%
272	20.412	20.308	20.429	VV	1688	109429	1.30%	0.732%
273	20.466	20.429	20.482	VV	1858	54949	0.65%	0.367%
274	20.510	20.482	20.541	VV	2043	66975	0.80%	0.448%
275	20.599	20.541	20.635	VV	5341	170451	2.03%	1.139%
276	20.659	20.635	20.698	VV	2627	94318	1.12%	0.631%
277	20.877	20.698	20.908	VV	2875	335380	3.98%	2.242%
278	20.966	20.908	21.008	VV	4232	187723	2.23%	1.255%
279	21.100	21.008	21.191	VV	4787	396281	4.71%	2.649%
280	21.214	21.191	21.255	VV	2844	105127	1.25%	0.703%
281	21.278	21.255	21.318	VV	2594	93370	1.11%	0.624%
282	21.373	21.318	21.435	VV	3773	195352	2.32%	1.306%
283	21.438	21.435	21.461	VV	2502	36132	0.43%	0.242%
284	21.481	21.461	21.521	VV	2227	76384	0.91%	0.511%
285	21.532	21.521	21.568	VV	2095	57252	0.68%	0.383%
286	21.581	21.568	21.597	VV	2045	34234	0.41%	0.229%
287	21.607	21.597	21.675	VV	1916	84602	1.01%	0.566%
288	21.725	21.675	21.789	VV	1740	112949	1.34%	0.755%
289	21.833	21.789	21.918	VV	1999	122103	1.45%	0.816%
290	21.929	21.918	22.072	VV	1296	101162	1.20%	0.676%
291	22.081	22.072	22.118	VV	931	23774	0.28%	0.159%
292	22.144	22.118	22.181	VV	849	29045	0.35%	0.194%
293	22.207	22.181	22.268	VV	682	31735	0.38%	0.212%
294	22.281	22.268	22.298	VV	480	8300	0.10%	0.055%
295	22.351	22.298	22.487	VV	1147	54571	0.65%	0.365%
296	22.496	22.487	22.501	PBA	53	8196	0.10%	0.055%
Sum of corrected areas:						14958429		

Aliphatic EPH 102925.M Fri Nov 21 00:24:17 2025



CALIBRATION SUMMARY

Initial Calibration Report for SequenceID : FF102925AR

AreaCount

Parameter Range	FF016615.D	FF016612.D	FF016613.D	FF016614.D	FF016616.D	
Aromatic C10-C12	24131913.000	13386713.000	5040685.000	2667636.000	1458921.000	
Aromatic C12-C16	37802464.000	20995951.000	7841716.000	4071240.000	2151729.000	
Aromatic C16-C21	49515248.000	27355440.000	10200929.000	5383694.000	2920927.000	
Aromatic C21-C36	93883793.000	53603904.000	20060725.000	10856127.000	5977071.000	
Aromatic EPH	205333418.000	115342008.000	43144055.000	22978697.000	12508648.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aromatic C10-C12	131963.544	7.217				
Aromatic C12-C16	135166.617333	5.177				
Aromatic C16-C21	133743.1265	6.467				
Aromatic C21-C36	117666.2035552	9.089				
Aromatic EPH	125744.1821106	7.5				

Concentration

Parameter Range	FF016615.D	FF016612.D	FF016613.D	FF016614.D	FF016616.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	FF016615.D	FF016612.D	FF016613.D	FF016614.D	FF016616.D	
Aromatic C10-C12	120659.565000	133867.130000	126017.125000	133381.800000	145892.100000	
Aromatic C12-C16	126008.213333	139973.006666	130695.266666	135708.000000	143448.600000	
Aromatic C16-C21	123788.120000	136777.200000	127511.612500	134592.350000	146046.350000	
Aromatic C21-C36	104315.325555	119119.786666	111448.472222	120623.633333	132823.800000	
Aromatic EPH	114074.121111	128157.786666	119844.597222	127659.427777	138984.977777	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102925AR\
 Data File : FF016612.D
 Signal(s) : FID2B.ch
 Acq On : 29 Oct 2025 15:04
 Operator : YP\AJ
 Sample : 50 PPM AROMATIC HC STD2
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 50 PPM AROMATIC HC STD2

Integration File: autoint1.e
 Quant Time: Oct 29 15:55:51 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 29 15:51:42 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	8.017	5987561	52.255 ug/ml
Spiked Amount 50.000		Recovery =	104.51%
6) S 2-Fluorobiphenyl (SURR)	8.893	4035516	53.378 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	106.76%
11) S ortho-Terphenyl (SURR)	11.962	7245778	51.186 ug/ml
Spiked Amount 50.000		Recovery =	102.37%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.610	6543360	51.154 ug/ml
2) T Naphthalene (C11.7)	6.287	6843353	51.856 ug/ml
3) T 2-Methylnaphthalene (...)	7.388	6955435	51.758 ug/ml
5) T Acenaphthylene (C15.06)	8.694	6984740	51.897 ug/ml
7) T Acenaphthene (C15.5)	8.994	7055776	51.491 ug/ml
8) T Flouorene (C16.55)	9.784	6979677	52.782 ug/ml
9) T Phenanthrene (C19.36)	11.192	6933100	52.348 ug/ml
10) T Anthracene (C19.43)	11.268	6604049	50.849 ug/ml
12) T Fluoranthene (C21.85)	13.018	6975807	51.676 ug/ml
13) T Pyrene (C20.8)	13.316	6838614	51.026 ug/ml
14) T Benzo[a]anthracene (C...	15.202	6241470	53.055 ug/ml
15) T Chrysene (C27.41)	15.246	6734759	50.148 ug/ml
16) T benzo[b]fluoranthene ...	16.766	5979248	52.747 ug/ml
17) T Bnezo[k]fluoranthene ...	16.800	5820471	50.127 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.148	5675030	51.926 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.524	4821591	54.464 ug/ml
20) T Dibenz[a,h]anthracene...	18.563	5987921	49.889 ug/ml
21) T Benzo[g,h,i]perylene ...	18.782	5367607	51.955 ug/ml

(f)=RT Delta > 1/2 Window

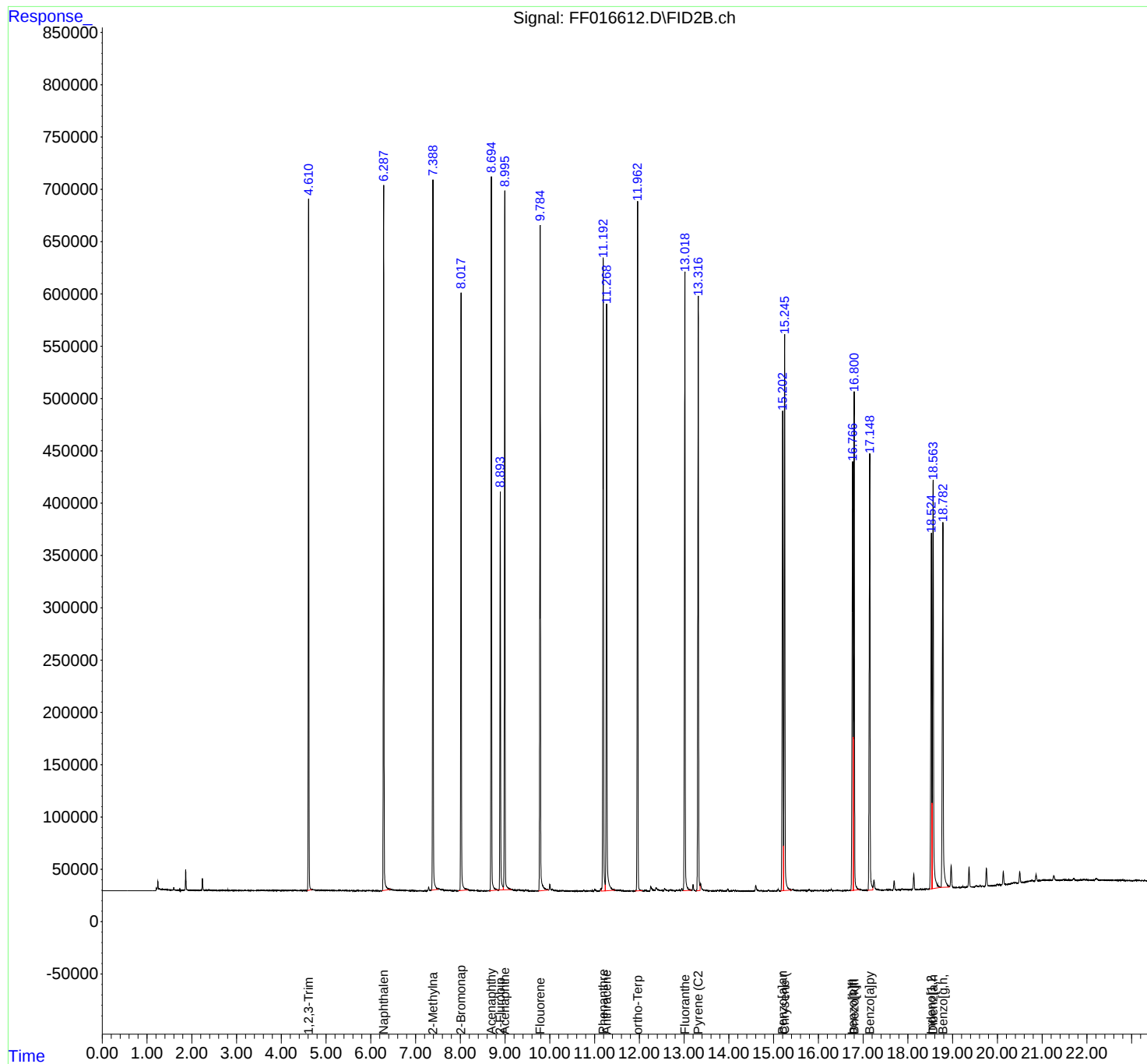
(m)=manual int.

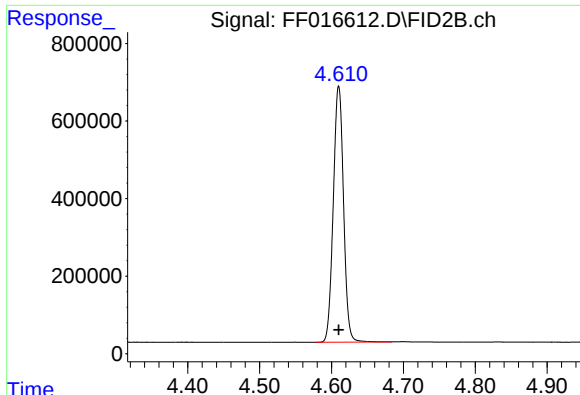
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102925AR\
Data File : FF016612.D
Signal(s) : FID2B.ch
Acq On : 29 Oct 2025 15:04
Operator : YP\AJ
Sample : 50 PPM AROMATIC HC STD2
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
50 PPM AROMATIC HC STD2

Integration File: autoint1.e
Quant Time: Oct 29 15:55:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 15:51:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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

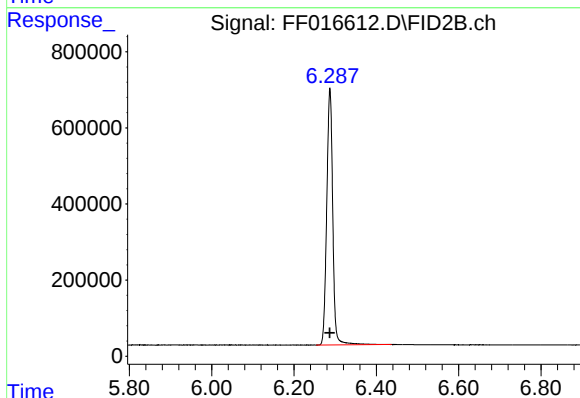




#1 1,2,3-Trimethylbenzene (C10.1)

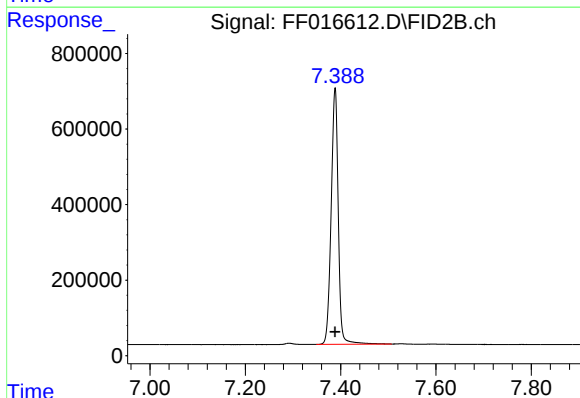
R.T.: 4.610 min
Delta R.T.: 0.000 min
Response: 6543360
Conc: 51.15 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM AROMATIC HC STD2



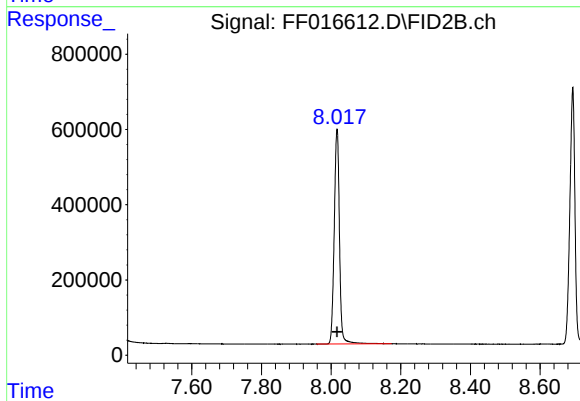
#2 Naphthalene (C11.7)

R.T.: 6.287 min
Delta R.T.: 0.000 min
Response: 6843353
Conc: 51.86 ug/ml



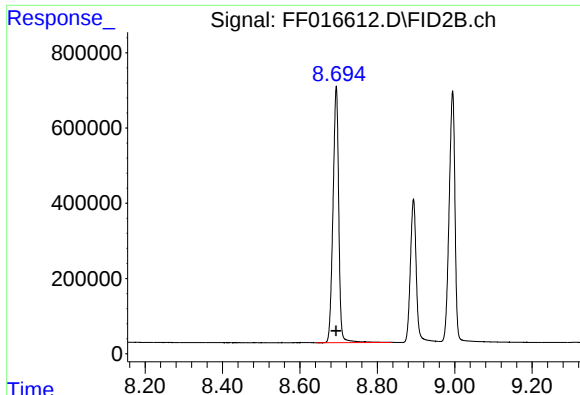
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.388 min
Delta R.T.: 0.000 min
Response: 6955435
Conc: 51.76 ug/ml



#4 2-Bromonaphthalene (SURR)

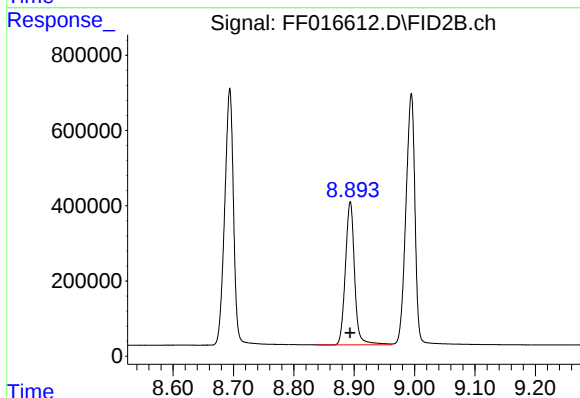
R.T.: 8.017 min
Delta R.T.: 0.000 min
Response: 5987561
Conc: 52.25 ug/ml



#5 Acenaphthylene (C15.06)

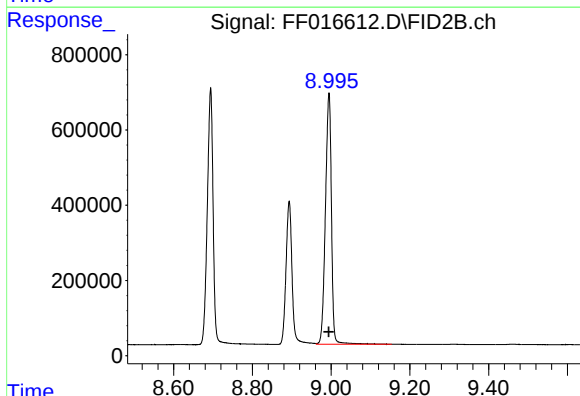
R.T.: 8.694 min
Delta R.T.: 0.000 min
Response: 6984740
Conc: 51.90 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM AROMATIC HC STD2



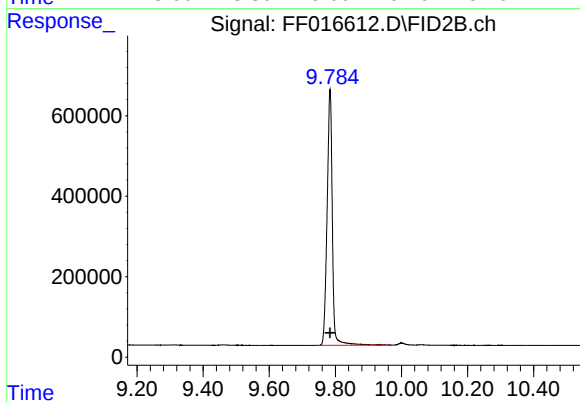
#6 2-Fluorobiphenyl (SURRE)

R.T.: 8.893 min
Delta R.T.: 0.000 min
Response: 4035516
Conc: 53.38 ug/ml



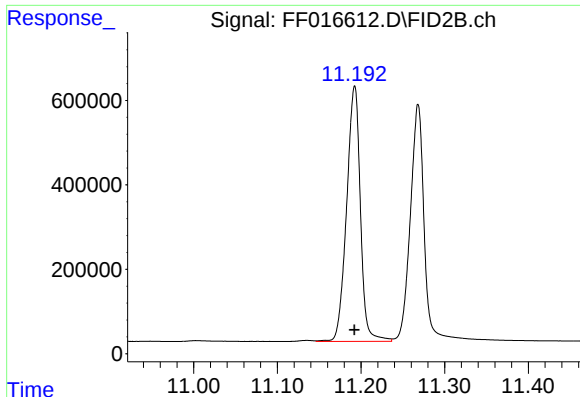
#7 Acenaphthene (C15.5)

R.T.: 8.994 min
Delta R.T.: 0.000 min
Response: 7055776
Conc: 51.49 ug/ml



#8 Fluorene (C16.55)

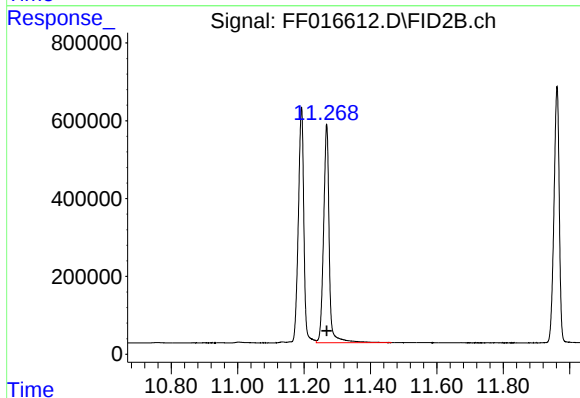
R.T.: 9.784 min
Delta R.T.: 0.000 min
Response: 6979677
Conc: 52.78 ug/ml



#9 Phenanthrene (C19.36)

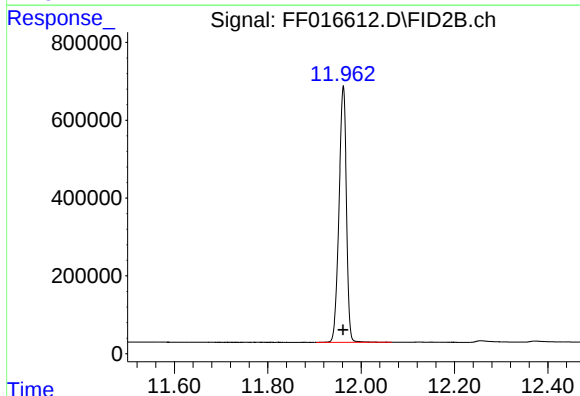
R.T.: 11.192 min
Delta R.T.: 0.000 min
Response: 6933100
Conc: 52.35 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM AROMATIC HC STD2



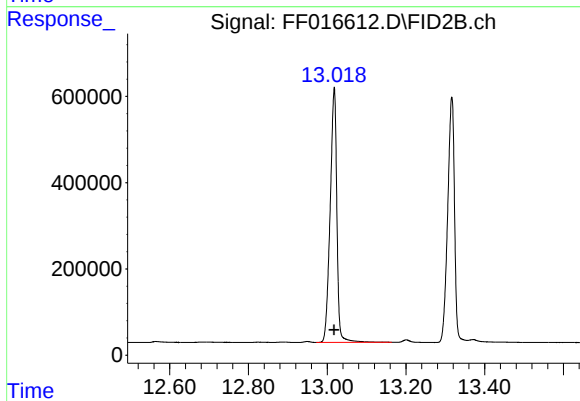
#10 Anthracene (C19.43)

R.T.: 11.268 min
Delta R.T.: 0.000 min
Response: 6604049
Conc: 50.85 ug/ml



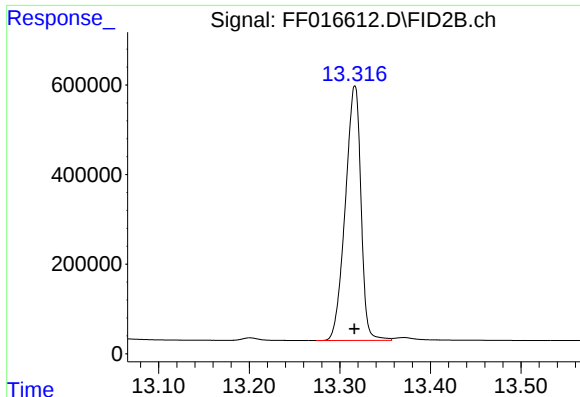
#11 ortho-Terphenyl (SURR)

R.T.: 11.962 min
Delta R.T.: 0.000 min
Response: 7245778
Conc: 51.19 ug/ml



#12 Fluoranthene (C21.85)

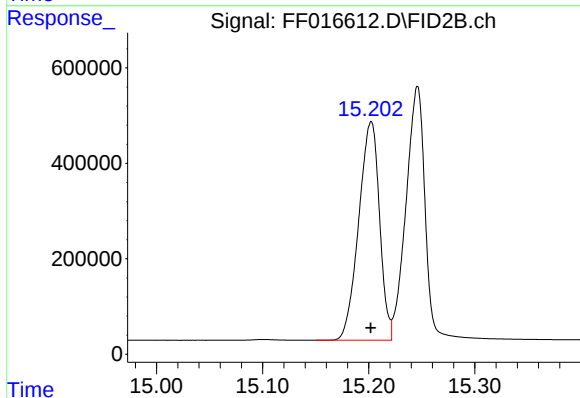
R.T.: 13.018 min
Delta R.T.: 0.000 min
Response: 6975807
Conc: 51.68 ug/ml



#13 Pyrene (C20.8)

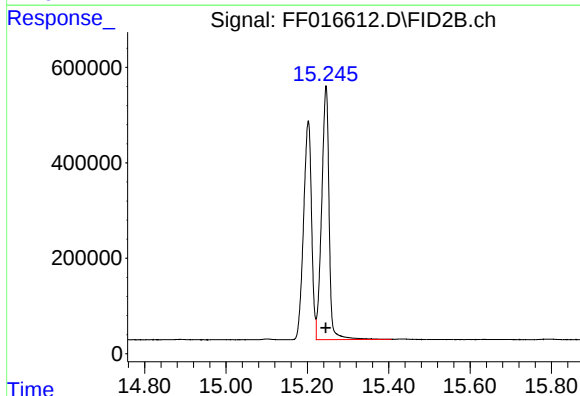
R.T.: 13.316 min
Delta R.T.: 0.000 min
Response: 6838614
Conc: 51.03 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM AROMATIC HC STD2



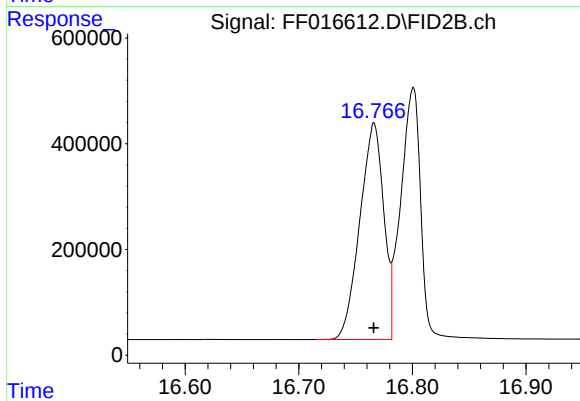
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.202 min
Delta R.T.: 0.000 min
Response: 6241470
Conc: 53.05 ug/ml



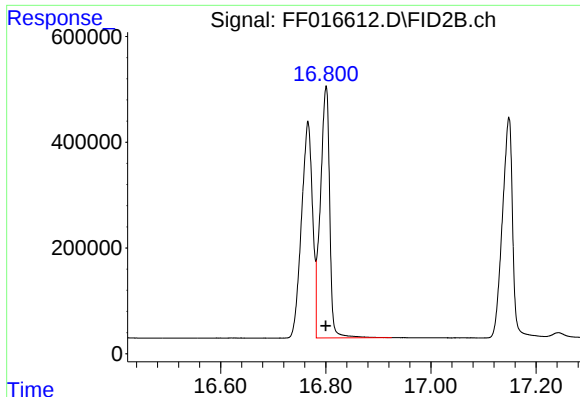
#15 Chrysene (C27.41)

R.T.: 15.246 min
Delta R.T.: 0.000 min
Response: 6734759
Conc: 50.15 ug/ml



#16 benzo[b]fluoranthene (C30.41)

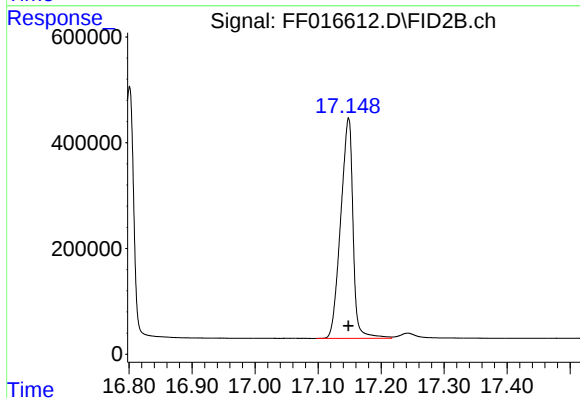
R.T.: 16.766 min
Delta R.T.: 0.000 min
Response: 5979248
Conc: 52.75 ug/ml



#17 Bnezo[k]fluoranthene (C30.14)

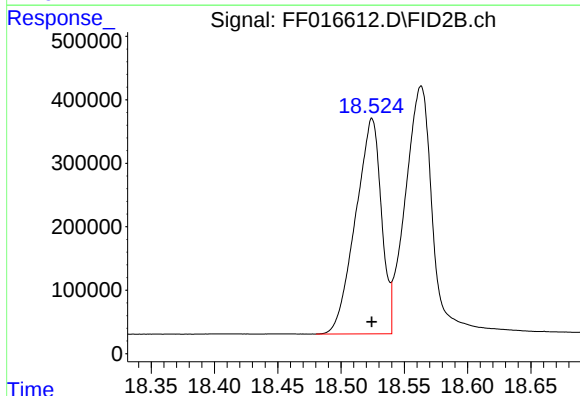
R.T.: 16.800 min
Delta R.T.: 0.000 min
Response: 5820471
Conc: 50.13 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM AROMATIC HC STD2



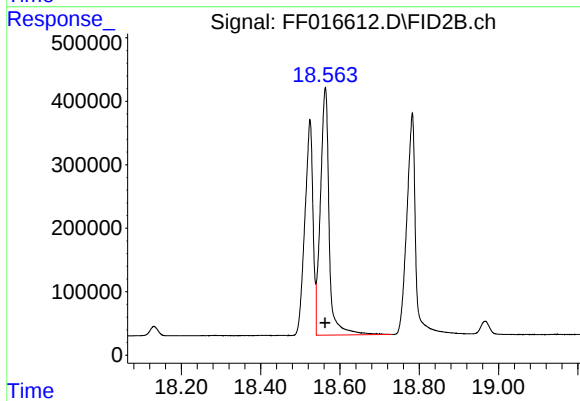
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.148 min
Delta R.T.: 0.000 min
Response: 5675030
Conc: 51.93 ug/ml



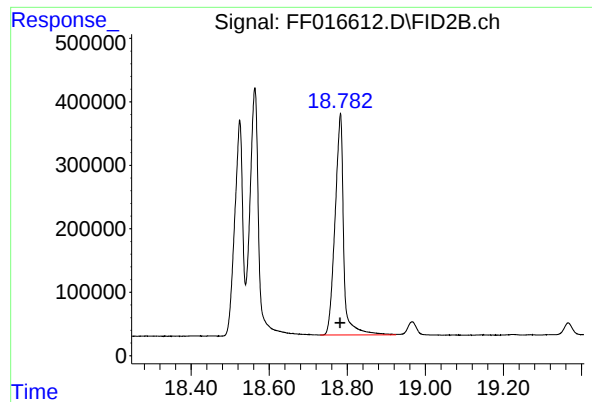
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.524 min
Delta R.T.: 0.000 min
Response: 4821591
Conc: 54.46 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 18.563 min
Delta R.T.: 0.000 min
Response: 5987921
Conc: 49.89 ug/ml



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 18.782 min
Delta R.T.: 0.000 min
Response: 5367607
Conc: 51.95 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM AROMATIC HC STD2

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102925AR\
Data File : FF016612.D
Signal(s) : FID2B.ch
Acq On : 29 Oct 2025 15:04
Sample : 50 PPM AROMATIC HC STD2
Misc :
ALS Vial : 42 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.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	4.610	4.579	4.684	BV	660667	6543360	90.31%	4.934%
2	6.287	6.254	6.437	BB	673679	6843353	94.45%	5.160%
3	7.388	7.349	7.507	BV	682162	6955435	95.99%	5.245%
4	8.017	7.957	8.174	BB	572388	5987561	82.64%	4.515%
5	8.694	8.642	8.837	BB	681761	6984740	96.40%	5.267%
6	8.893	8.837	8.962	BV	381555	4035516	55.69%	3.043%
7	8.994	8.962	9.154	VB	665785	7055776	97.38%	5.321%
8	9.784	9.742	9.970	BB	636515	6979677	96.33%	5.263%
9	11.192	11.146	11.237	VV	606132	6933100	95.68%	5.228%
10	11.268	11.237	11.464	VB	562925	6604049	91.14%	4.980%
11	11.962	11.904	12.065	BB	660682	7245778	100.00%	5.464%
12	13.018	12.972	13.164	PB	586875	6975807	96.27%	5.260%
13	13.316	13.274	13.357	BV	569900	6838614	94.38%	5.157%
14	15.202	15.150	15.222	BV	458349	6241470	86.14%	4.707%
15	15.246	15.222	15.407	VB	533186	6734759	92.95%	5.079%
16	16.766	16.715	16.782	BV	410190	5979248	82.52%	4.509%
17	16.800	16.782	16.925	VB	476452	5820471	80.33%	4.389%
18	17.148	17.097	17.217	BV	415271	5675030	78.32%	4.279%
19	18.524	18.480	18.540	BV	340017	4821591	66.54%	3.636%
20	18.563	18.540	18.730	VBA	390013	5987921	82.64%	4.515%
21	18.782	18.730	18.924	BV	348690	5367607	74.08%	4.048%
Sum of corrected areas:						132610862		

Aromatic EPH 102925.M Thu Oct 30 03:45:10 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102925AR\
 Data File : FF016613.D
 Signal(s) : FID2B.ch
 Acq On : 29 Oct 2025 15:34
 Operator : YP\AJ
 Sample : 20 PPM AROMATIC HC STD3
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 20 PPM AROMATIC HC STD3

Integration File: autoint1.e
 Quant Time: Oct 29 15:52:08 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 29 15:51:42 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	8.015	2188328	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
6) S 2-Fluorobiphenyl (SURR)	8.892	1409920	20.000 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	40.00%
11) S ortho-Terphenyl (SURR)	11.958	2764019	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.609	2499255	20.000 ug/ml
2) T Naphthalene (C11.7)	6.286	2541430	20.000 ug/ml
3) T 2-Methylnaphthalene (...)	7.386	2593205	20.000 ug/ml
5) T Acenaphthylene (C15.06)	8.691	2589687	20.000 ug/ml
7) T Acenaphthene (C15.5)	8.990	2658824	20.000 ug/ml
8) T Flouorene (C16.55)	9.780	2497592	20.000 ug/ml
9) T Phenanthrene (C19.36)	11.188	2524485	20.000 ug/ml
10) T Anthracene (C19.43)	11.263	2553370	20.000 ug/ml
12) T Fluoranthene (C21.85)	13.012	2609311	20.000 ug/ml
13) T Pyrene (C20.8)	13.310	2625482	20.000 ug/ml
14) T Benzo[a]anthracene (C...	15.195	2209088	20.000 ug/ml
15) T Chrysene (C27.41)	15.237	2678032	20.000 ug/ml
16) T benzo[b]fluoranthene ...	16.758	2142581	20.000 ug/ml
17) T Bnezo[k]fluoranthene ...	16.789	2316361	20.000 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.140	2101637	20.000 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.516	1612453	20.000 ug/ml
20) T Dibenz[a,h]anthracene...	18.556	2405800	20.000 ug/ml
21) T Benzo[g,h,i]perylene ...	18.769	1985462	20.000 ug/ml

(f)=RT Delta > 1/2 Window

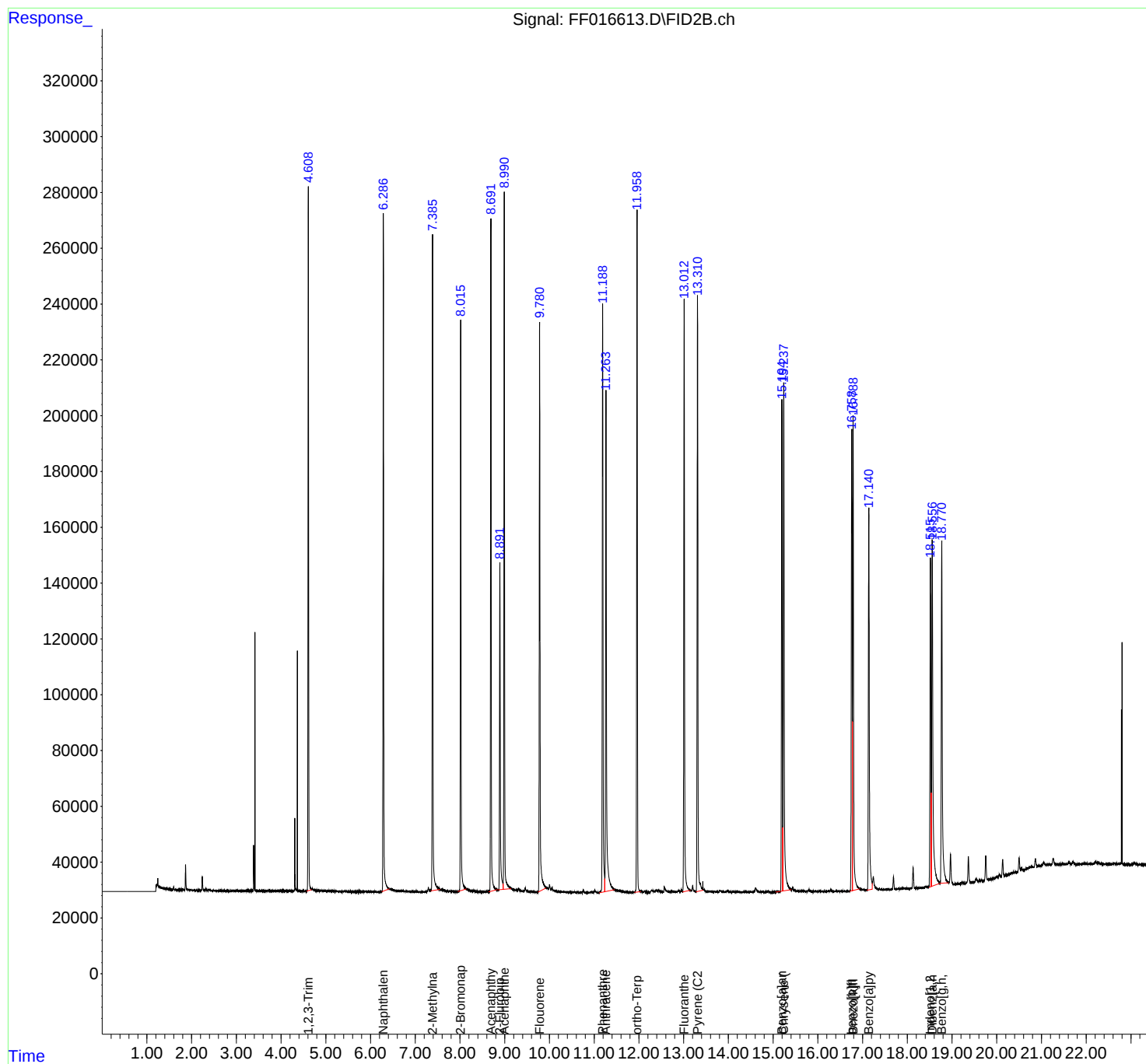
(m)=manual int.

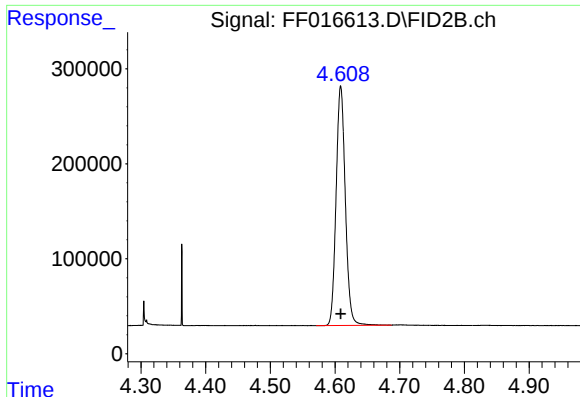
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102925AR\
Data File : FF016613.D
Signal(s) : FID2B.ch
Acq On : 29 Oct 2025 15:34
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD3
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD3

Integration File: autoint1.e
Quant Time: Oct 29 15:52:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 15:51:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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

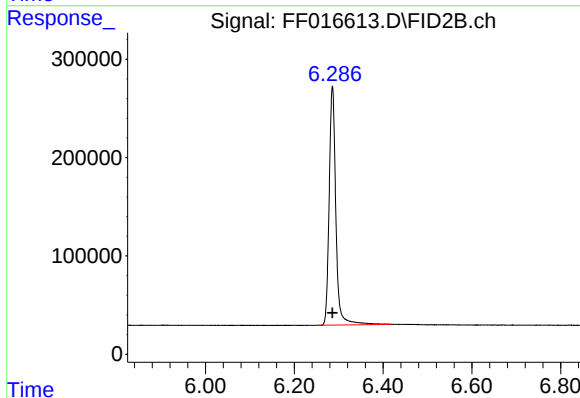




#1 1,2,3-Trimethylbenzene (C10.1)

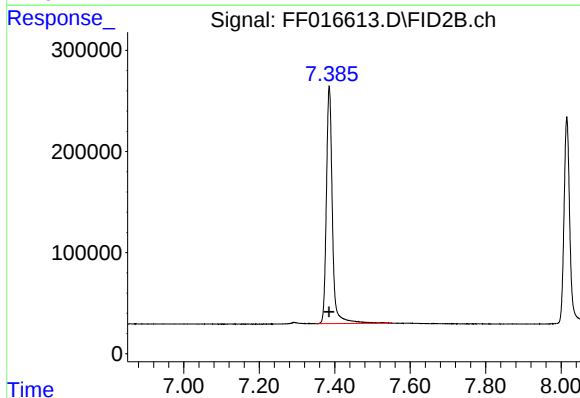
R.T.: 4.609 min
Delta R.T.: 0.000 min
Response: 2499255
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD3



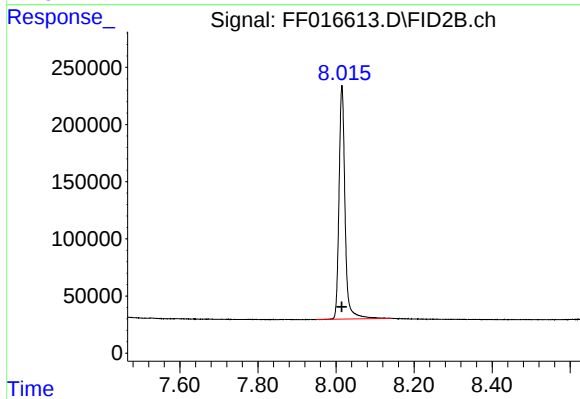
#2 Naphthalene (C11.7)

R.T.: 6.286 min
Delta R.T.: 0.000 min
Response: 2541430
Conc: 20.00 ug/ml



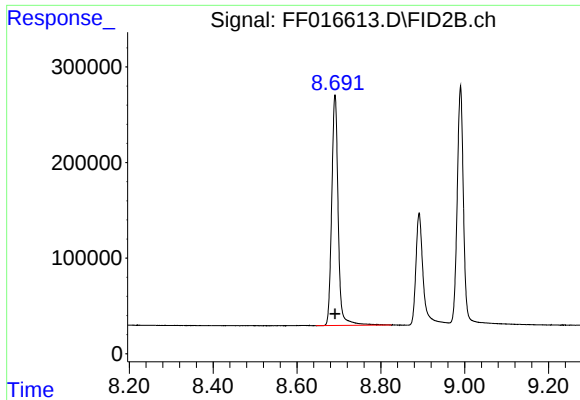
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.386 min
Delta R.T.: 0.000 min
Response: 2593205
Conc: 20.00 ug/ml



#4 2-Bromonaphthalene (SURR)

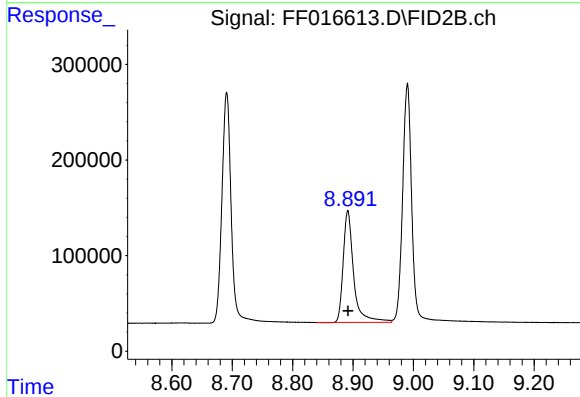
R.T.: 8.015 min
Delta R.T.: 0.000 min
Response: 2188328
Conc: 20.00 ug/ml



#5 Acenaphthylene (C15.06)

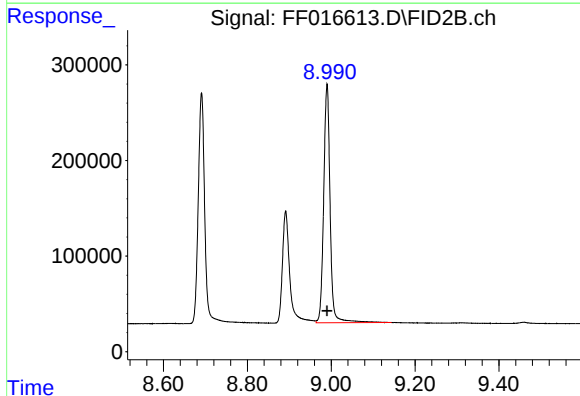
R.T.: 8.691 min
Delta R.T.: 0.000 min
Response: 2589687
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD3



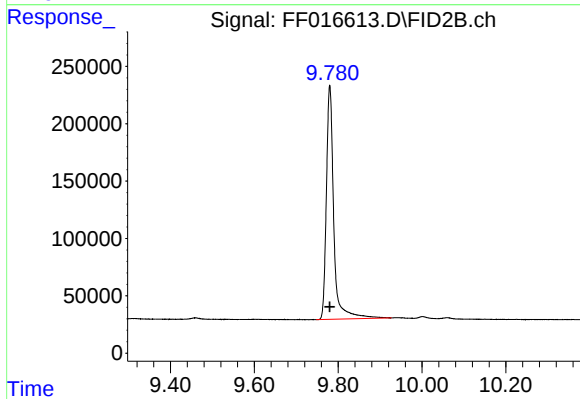
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.892 min
Delta R.T.: 0.000 min
Response: 1409920
Conc: 20.00 ug/ml



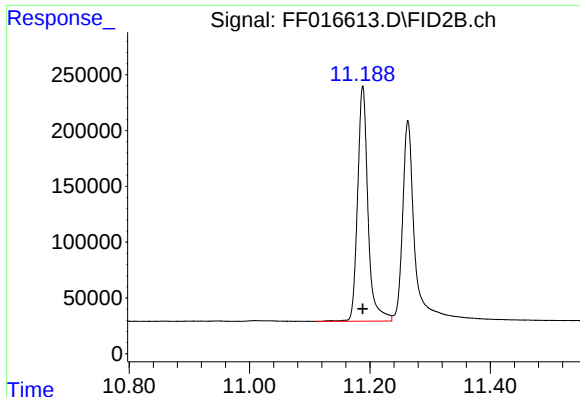
#7 Acenaphthene (C15.5)

R.T.: 8.990 min
Delta R.T.: 0.000 min
Response: 2658824
Conc: 20.00 ug/ml



#8 Fluorene (C16.55)

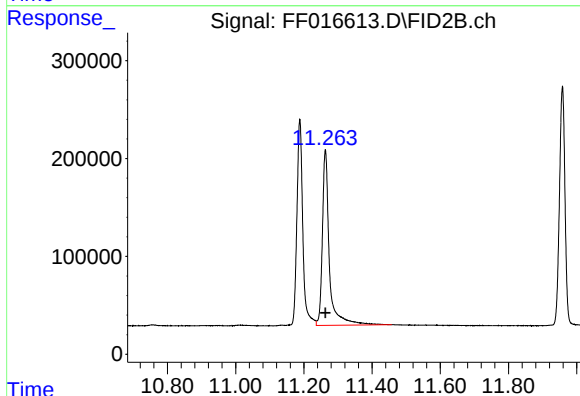
R.T.: 9.780 min
Delta R.T.: 0.000 min
Response: 2497592
Conc: 20.00 ug/ml



#9 Phenanthrene (C19.36)

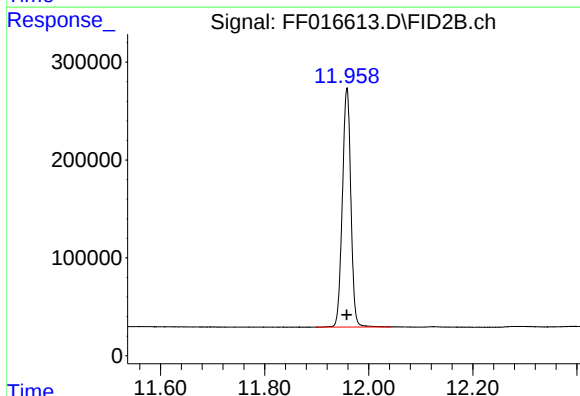
R.T.: 11.188 min
Delta R.T.: 0.000 min
Response: 2524485
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD3



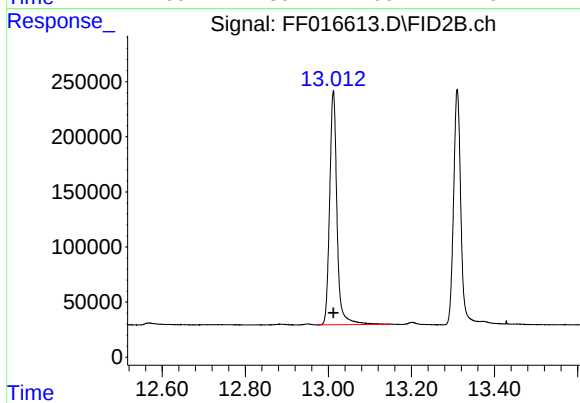
#10 Anthracene (C19.43)

R.T.: 11.263 min
Delta R.T.: 0.000 min
Response: 2553370
Conc: 20.00 ug/ml



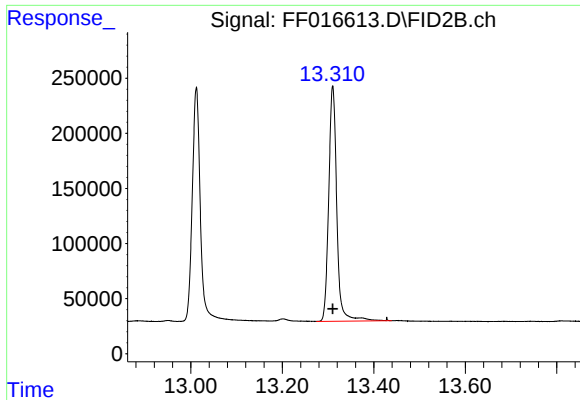
#11 ortho-Terphenyl (SURR)

R.T.: 11.958 min
Delta R.T.: 0.000 min
Response: 2764019
Conc: 20.00 ug/ml



#12 Fluoranthene (C21.85)

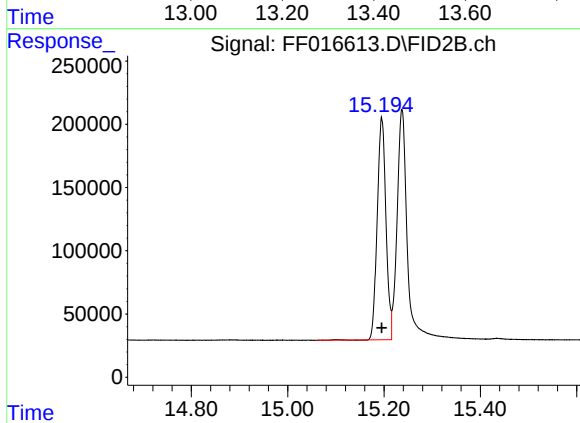
R.T.: 13.012 min
Delta R.T.: 0.000 min
Response: 2609311
Conc: 20.00 ug/ml



#13 Pyrene (C20.8)

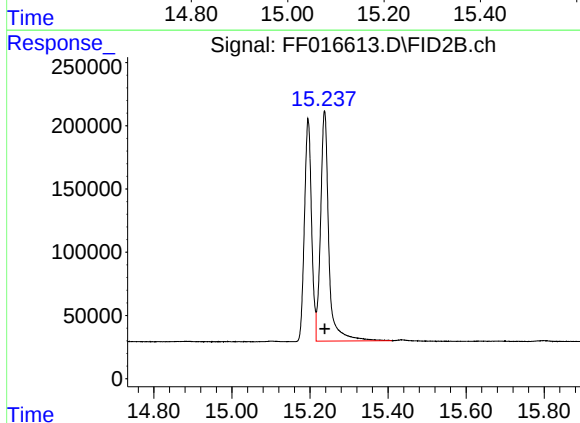
R.T.: 13.310 min
Delta R.T.: 0.000 min
Response: 2625482
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD3



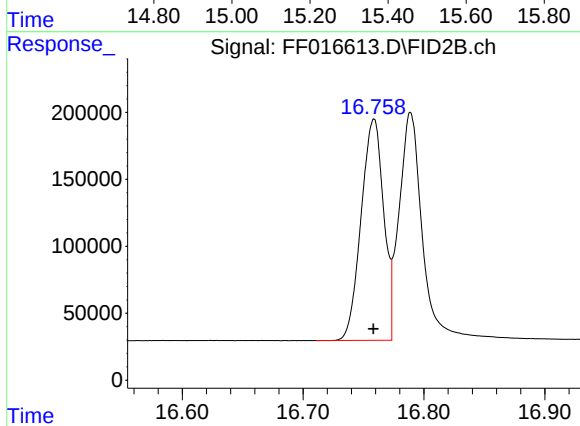
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.195 min
Delta R.T.: 0.000 min
Response: 2209088
Conc: 20.00 ug/ml



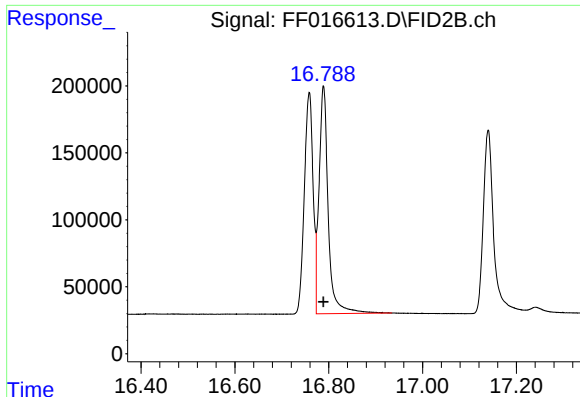
#15 Chrysene (C27.41)

R.T.: 15.237 min
Delta R.T.: 0.000 min
Response: 2678032
Conc: 20.00 ug/ml



#16 benzo[b]fluoranthene (C30.41)

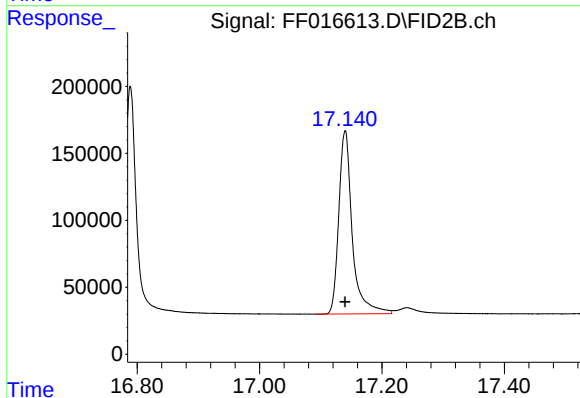
R.T.: 16.758 min
Delta R.T.: 0.000 min
Response: 2142581
Conc: 20.00 ug/ml



#17 Bnezo[k]fluoranthene (C30.14)

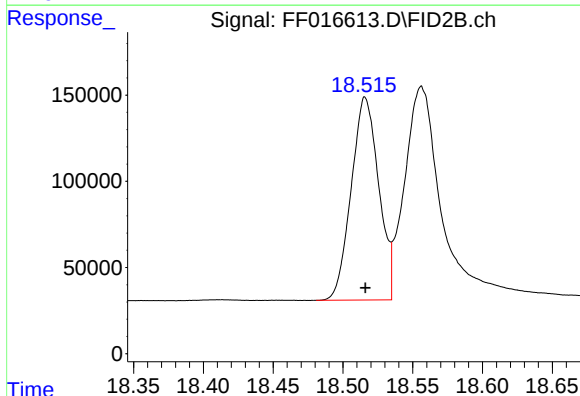
R.T.: 16.789 min
Delta R.T.: 0.000 min
Response: 2316361
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD3



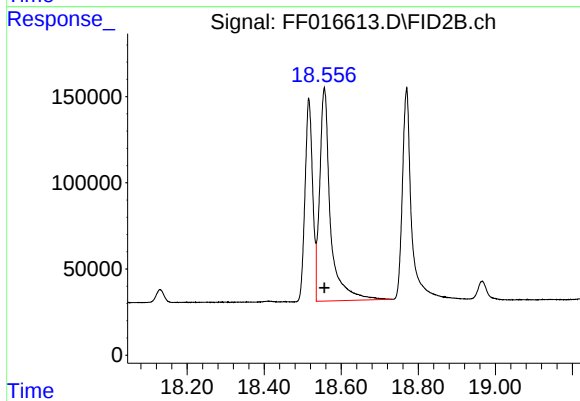
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.140 min
Delta R.T.: 0.000 min
Response: 2101637
Conc: 20.00 ug/ml



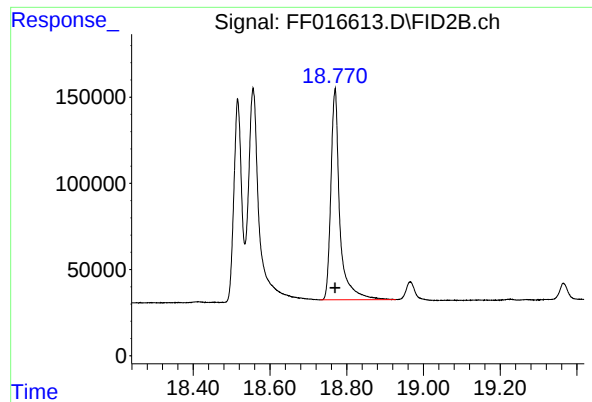
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.516 min
Delta R.T.: 0.000 min
Response: 1612453
Conc: 20.00 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 18.556 min
Delta R.T.: 0.000 min
Response: 2405800
Conc: 20.00 ug/ml



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 18.769 min
Delta R.T.: 0.000 min
Response: 1985462
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD3

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102925AR\
Data File : FF016613.D
Signal(s) : FID2B.ch
Acq On : 29 Oct 2025 15:34
Sample : 20 PPM AROMATIC HC STD3
Misc :
ALS Vial : 43 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.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	4.609	4.571	4.687	BB	251942	2499255	90.42%	5.048%
2	6.286	6.249	6.419	BB	242905	2541430	91.95%	5.134%
3	7.386	7.351	7.551	BB	234894	2593205	93.82%	5.238%
4	8.015	7.949	8.142	BB	204321	2188328	79.17%	4.420%
5	8.691	8.646	8.826	BB	241232	2589687	93.69%	5.231%
6	8.892	8.839	8.964	BV	116701	1409920	51.01%	2.848%
7	8.990	8.964	9.144	VB	251149	2658824	96.19%	5.371%
8	9.780	9.747	9.927	BB	203834	2497592	90.36%	5.045%
9	11.188	11.111	11.236	BV	210492	2524485	91.33%	5.099%
10	11.263	11.236	11.457	VB	179248	2553370	92.38%	5.158%
11	11.958	11.899	12.044	BB	243295	2764019	100.00%	5.583%
12	13.012	12.971	13.152	PB	212442	2609311	94.40%	5.271%
13	13.310	13.274	13.439	BB	213671	2625482	94.99%	5.303%
14	15.195	15.059	15.216	BV	174425	2209088	79.92%	4.462%
15	15.237	15.216	15.409	VB	182316	2678032	96.89%	5.409%
16	16.758	16.711	16.773	BV	166048	2142581	77.52%	4.328%
17	16.789	16.773	16.934	VB	170187	2316361	83.80%	4.679%
18	17.140	17.092	17.216	BV	136752	2101637	76.04%	4.245%
19	18.516	18.481	18.535	BV	117680	1612453	58.34%	3.257%
20	18.556	18.535	18.731	VBA	123690	2405800	87.04%	4.860%
21	18.769	18.731	18.927	BV	121805	1985462	71.83%	4.011%
Sum of corrected areas:						49506320		

Aromatic EPH 102925.M Thu Oct 30 03:45:58 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102925AR\
 Data File : FF016614.D
 Signal(s) : FID2B.ch
 Acq On : 29 Oct 2025 16:03
 Operator : YP\AJ
 Sample : 10 PPM AROMATIC HC STD4
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 10 PPM AROMATIC HC STD4

Integration File: autoint1.e
 Quant Time: Oct 29 16:23:19 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 29 16:23:08 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	8.016	1114818	9.818 ug/ml
Spiked Amount 50.000		Recovery =	19.64%
6) S 2-Fluorobiphenyl (SURR)	8.892	680115	9.307 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	18.61%
11) S ortho-Terphenyl (SURR)	11.956	1506831	10.421 ug/ml
Spiked Amount 50.000		Recovery =	20.84%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.610	1344438	10.335 ug/ml
2) T Naphthalene (C11.7)	6.287	1323198	10.018 ug/ml
3) T 2-Methylnaphthalene (...)	7.386	1332113	9.942 ug/ml
5) T Acenaphthylene (C15.06)	8.690	1347256	10.007 ug/ml
7) T Acenaphthene (C15.5)	8.989	1391871	10.104 ug/ml
8) T Flouorene (C16.55)	9.780	1283089	9.800 ug/ml
9) T Phenanthrene (C19.36)	11.188	1307700	9.915 ug/ml
10) T Anthracene (C19.43)	11.264	1392293	10.469 ug/ml
12) T Fluoranthene (C21.85)	13.011	1379799	10.147 ug/ml
13) T Pyrene (C20.8)	13.309	1400612	10.296 ug/ml
14) T Benzo[a]anthracene (C...	15.196	1107100	9.599 ug/ml
15) T Chrysene (C27.41)	15.237	1496045	10.732 ug/ml
16) T benzo[b]fluoranthene ...	16.757	1102352	9.815 ug/ml
17) T Bnezo[k]fluoranthene ...	16.788	1292316	10.726 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.142	1115777	10.139 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.518	829806	9.573 ug/ml
20) T Dibenz[a,h]anthracene...	18.557	1439707	11.247 ug/ml
21) T Benzo[g,h,i]perylene ...	18.770	1093225	10.380 ug/ml

(f)=RT Delta > 1/2 Window

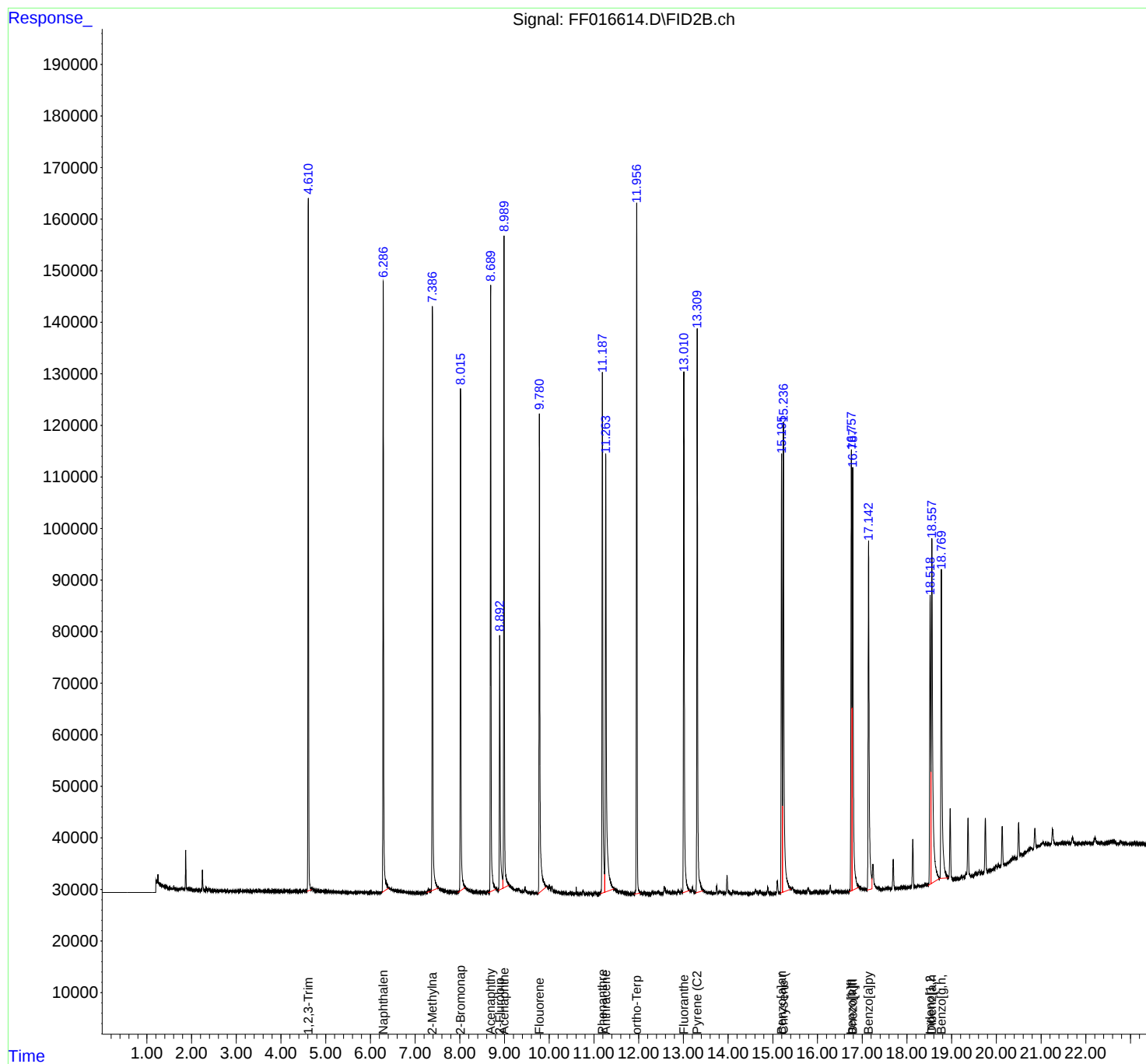
(m)=manual int.

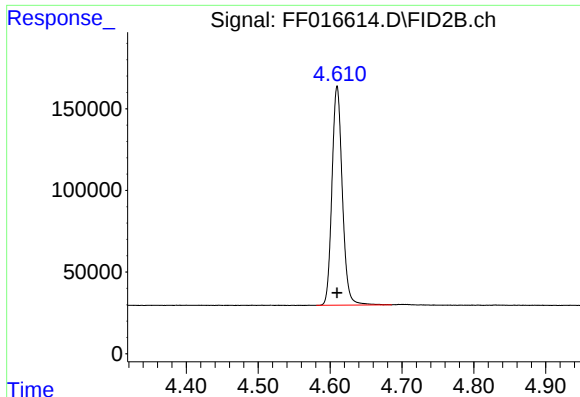
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102925AR\
Data File : FF016614.D
Signal(s) : FID2B.ch
Acq On : 29 Oct 2025 16:03
Operator : YP\AJ
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
10 PPM AROMATIC HC STD4

Integration File: autoint1.e
Quant Time: Oct 29 16:23:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 16:23:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

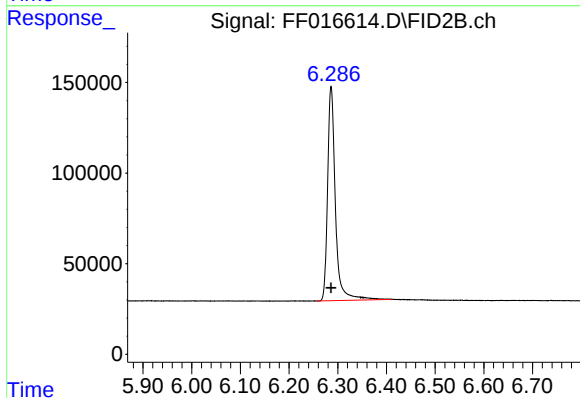




#1 1,2,3-Trimethylbenzene (C10.1)

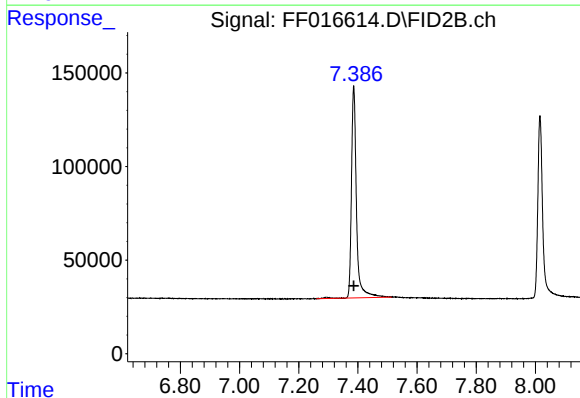
R.T.: 4.610 min
Delta R.T.: 0.000 min
Response: 1344438
Conc: 10.33 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM AROMATIC HC STD4



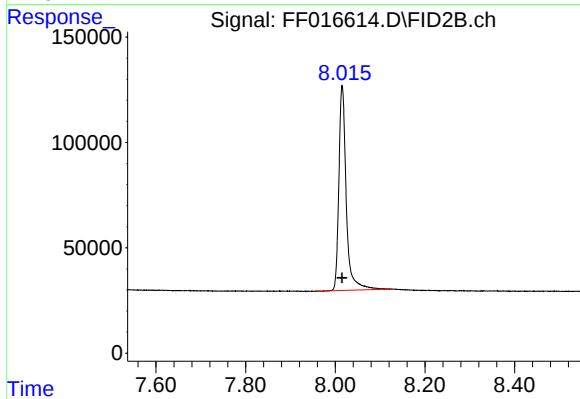
#2 Naphthalene (C11.7)

R.T.: 6.287 min
Delta R.T.: 0.000 min
Response: 1323198
Conc: 10.02 ug/ml



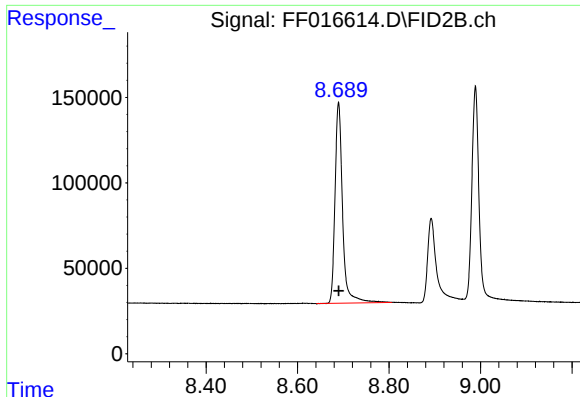
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.386 min
Delta R.T.: 0.000 min
Response: 1332113
Conc: 9.94 ug/ml



#4 2-Bromonaphthalene (SURR)

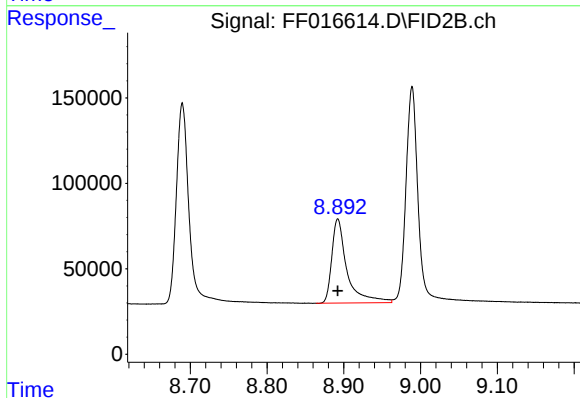
R.T.: 8.016 min
Delta R.T.: 0.000 min
Response: 1114818
Conc: 9.82 ug/ml



#5 Acenaphthylene (C15.06)

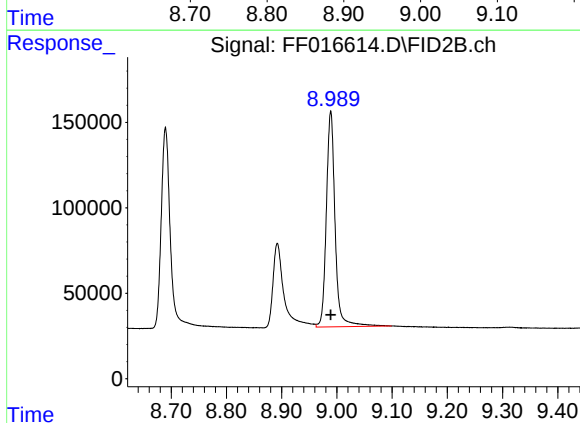
R.T.: 8.690 min
Delta R.T.: 0.000 min
Response: 1347256
Conc: 10.01 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM AROMATIC HC STD4



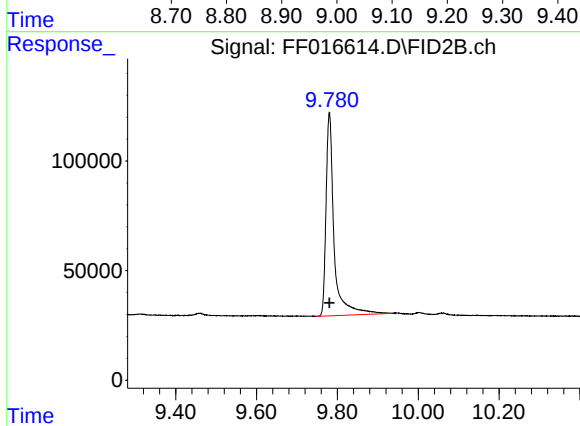
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.892 min
Delta R.T.: 0.000 min
Response: 680115
Conc: 9.31 ug/ml



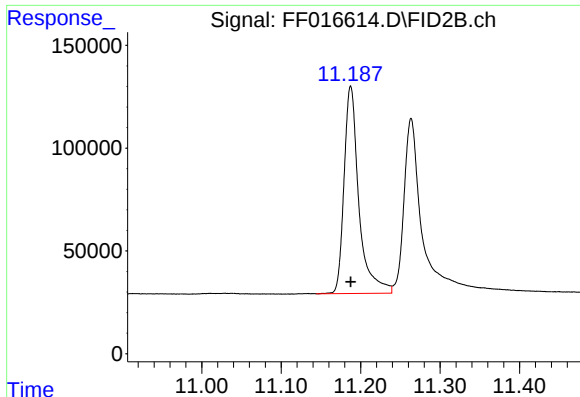
#7 Acenaphthene (C15.5)

R.T.: 8.989 min
Delta R.T.: 0.000 min
Response: 1391871
Conc: 10.10 ug/ml



#8 Flouorene (C16.55)

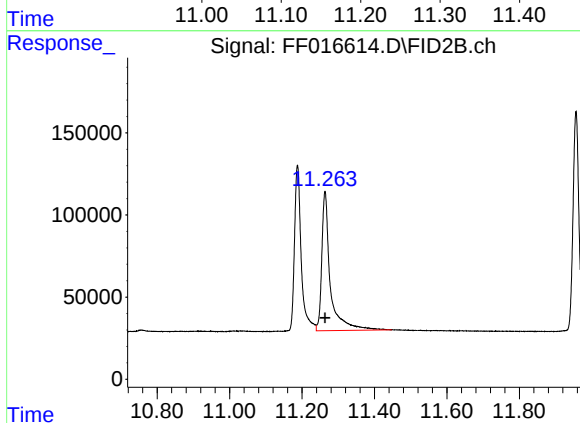
R.T.: 9.780 min
Delta R.T.: 0.000 min
Response: 1283089
Conc: 9.80 ug/ml



#9 Phenanthrene (C19.36)

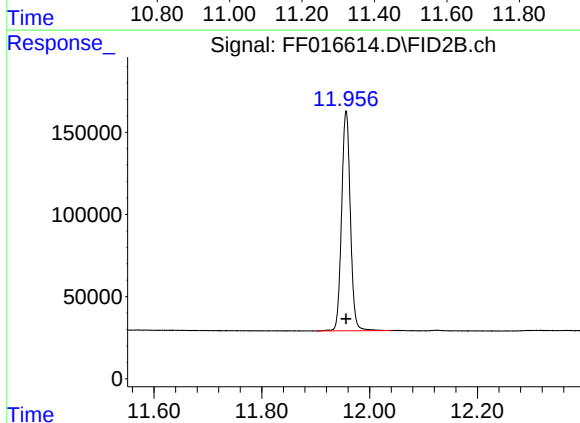
R.T.: 11.188 min
Delta R.T.: 0.000 min
Response: 1307700
Conc: 9.92 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM AROMATIC HC STD4



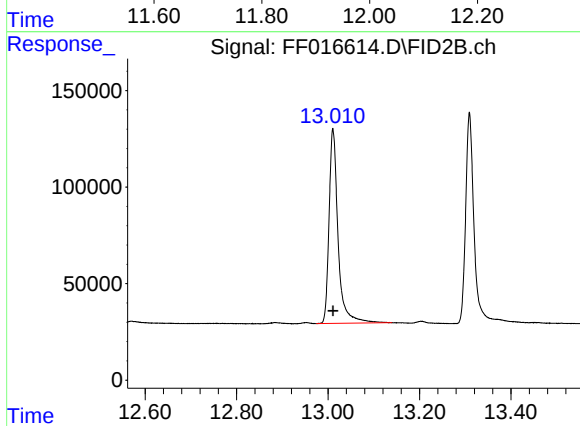
#10 Anthracene (C19.43)

R.T.: 11.264 min
Delta R.T.: 0.000 min
Response: 1392293
Conc: 10.47 ug/ml



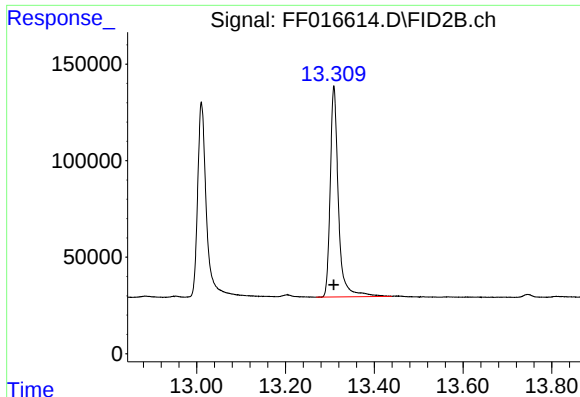
#11 ortho-Terphenyl (SURR)

R.T.: 11.956 min
Delta R.T.: 0.000 min
Response: 1506831
Conc: 10.42 ug/ml



#12 Fluoranthene (C21.85)

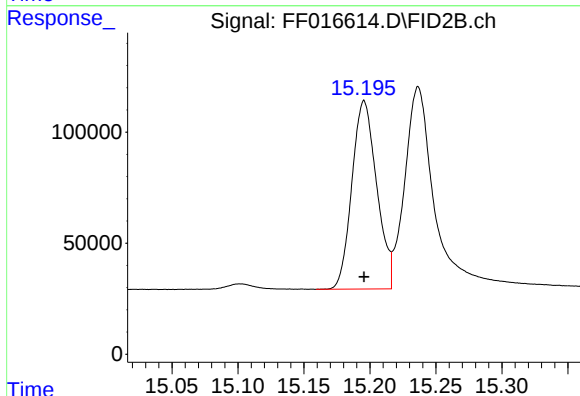
R.T.: 13.011 min
Delta R.T.: 0.000 min
Response: 1379799
Conc: 10.15 ug/ml



#13 Pyrene (C20.8)

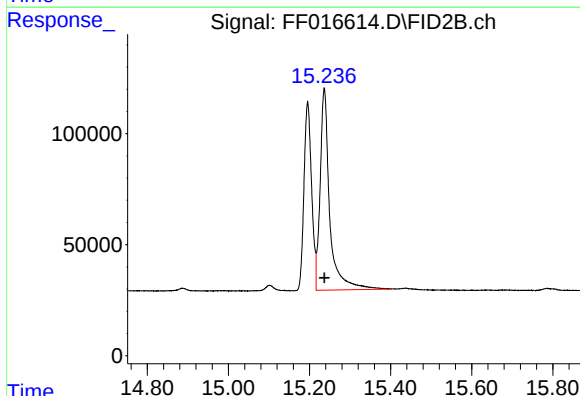
R.T.: 13.309 min
Delta R.T.: 0.000 min
Response: 1400612
Conc: 10.30 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM AROMATIC HC STD4



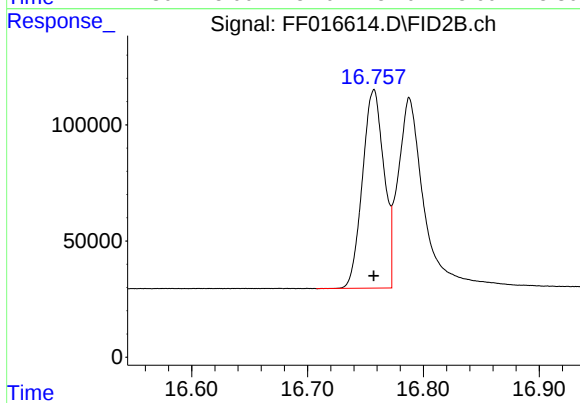
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.196 min
Delta R.T.: 0.000 min
Response: 1107100
Conc: 9.60 ug/ml



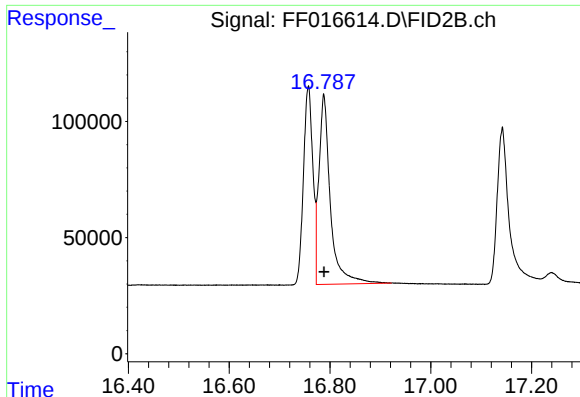
#15 Chrysene (C27.41)

R.T.: 15.237 min
Delta R.T.: 0.000 min
Response: 1496045
Conc: 10.73 ug/ml



#16 benzo[b]fluoranthene (C30.41)

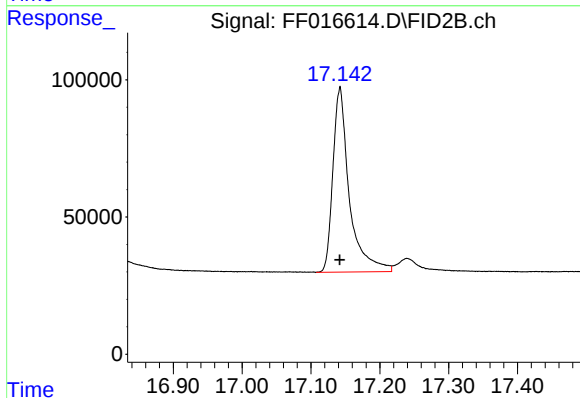
R.T.: 16.757 min
Delta R.T.: 0.000 min
Response: 1102352
Conc: 9.81 ug/ml



#17 Bnezo[k]fluoranthene (C30.14)

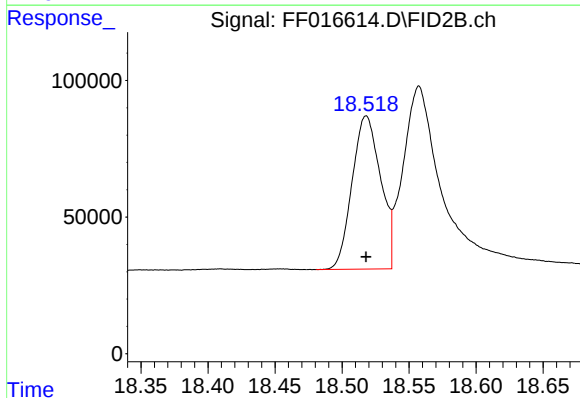
R.T.: 16.788 min
Delta R.T.: 0.000 min
Response: 1292316
Conc: 10.73 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM AROMATIC HC STD4



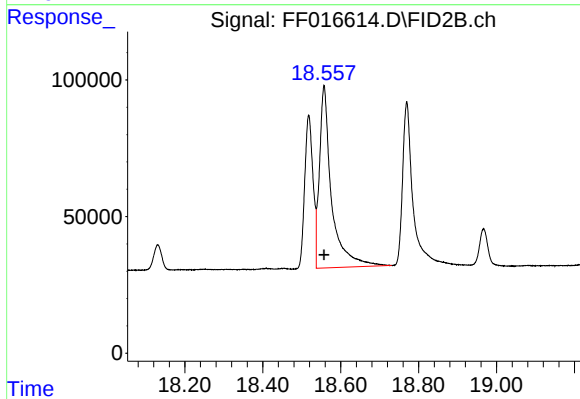
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.142 min
Delta R.T.: 0.000 min
Response: 1115777
Conc: 10.14 ug/ml



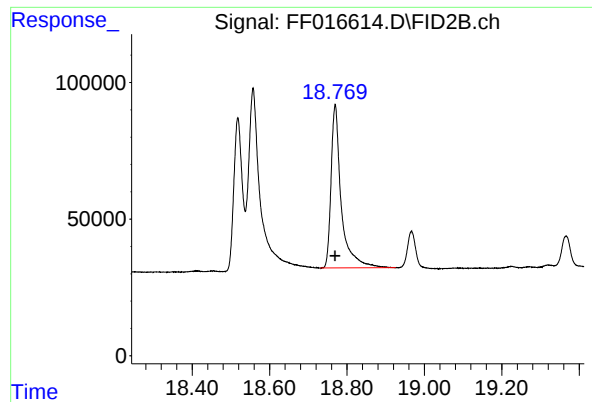
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.518 min
Delta R.T.: 0.000 min
Response: 829806
Conc: 9.57 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 18.557 min
Delta R.T.: 0.000 min
Response: 1439707
Conc: 11.25 ug/ml



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 18.770 min
Delta R.T.: 0.000 min
Response: 1093225
Conc: 10.38 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM AROMATIC HC STD4

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102925AR\
Data File : FF016614.D
Signal(s) : FID2B.ch
Acq On : 29 Oct 2025 16:03
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 44 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.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	4.610	4.581	4.686	BB	134317	1344438	89.22%	5.116%
2	6.287	6.256	6.411	BB	118202	1323198	87.81%	5.035%
3	7.386	7.259	7.514	BB	113196	1332113	88.40%	5.069%
4	8.016	7.957	8.126	BB	97074	1114818	73.98%	4.242%
5	8.690	8.641	8.806	BB	117274	1347256	89.41%	5.126%
6	8.892	8.864	8.962	BV	49278	680115	45.14%	2.588%
7	8.989	8.962	9.099	VB	126499	1391871	92.37%	5.296%
8	9.780	9.747	9.934	BB	92845	1283089	85.15%	4.882%
9	11.188	11.144	11.239	BV	100901	1307700	86.78%	4.976%
10	11.264	11.239	11.447	VB	84929	1392293	92.40%	5.298%
11	11.956	11.901	12.041	BB	133773	1506831	100.00%	5.734%
12	13.011	12.974	13.139	BB	100602	1379799	91.57%	5.250%
13	13.309	13.269	13.439	BB	109199	1400612	92.95%	5.329%
14	15.196	15.159	15.216	BV	84948	1107100	73.47%	4.213%
15	15.237	15.216	15.402	VB	90971	1496045	99.28%	5.693%
16	16.757	16.707	16.773	BV	85587	1102352	73.16%	4.195%
17	16.788	16.773	16.922	VB	81859	1292316	85.76%	4.917%
18	17.142	17.107	17.217	BV	67783	1115777	74.05%	4.246%
19	18.518	18.481	18.537	BV	56073	829806	55.07%	3.158%
20	18.557	18.537	18.731	VBA	66829	1439707	95.55%	5.478%
21	18.770	18.731	18.926	BB	59848	1093225	72.55%	4.160%
Sum of corrected areas:							26280460	

Aromatic EPH 102925.M Thu Oct 30 03:46:23 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102925AR\
 Data File : FF016615.D
 Signal(s) : FID2B.ch
 Acq On : 29 Oct 2025 17:02
 Operator : YP\AJ
 Sample : 100 PPM AROMATIC HC STD1
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 100 PPM AROMATIC HC STD1

Integration File: autoint1.e
 Quant Time: Oct 29 18:23:38 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 29 18:17:22 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	8.020	10784724	96.186 ug/ml
Spiked Amount 50.000		Recovery =	192.37%
6) S 2-Fluorobiphenyl (SURR)	8.898	7369223	100.635 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	201.27%#
11) S ortho-Terphenyl (SURR)	11.966	12863492	91.484 ug/ml
Spiked Amount 50.000		Recovery =	182.97%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.612	11756483	92.600 ug/ml
2) T Naphthalene (C11.7)	6.290	12375430	95.193 ug/ml
3) T 2-Methylnaphthalene (...)	7.392	12581917	95.354 ug/ml
5) T Acenaphthylene (C15.06)	8.698	12596663	95.092 ug/ml
7) T Acenaphthene (C15.5)	9.000	12623884	93.600 ug/ml
8) T Fluorene (C16.55)	9.789	12461128	96.338 ug/ml
9) T Phenanthrene (C19.36)	11.197	12496655	96.013 ug/ml
10) T Anthracene (C19.43)	11.275	12362442	94.622 ug/ml
12) T Fluoranthene (C21.85)	13.024	12414521	93.324 ug/ml
13) T Pyrene (C20.8)	13.324	12195023	92.028 ug/ml
14) T Benzo[a]anthracene (C...	15.210	11288315	98.399 ug/ml
15) T Chrysene (C27.41)	15.256	11659085	87.205 ug/ml
16) T benzo[b]fluoranthene ...	16.773	10519607	95.169 ug/ml
17) T Bnezo[k]fluoranthene ...	16.811	10026374	87.376 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.157	10016615	93.107 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.535	8927084	102.227 ug/ml
20) T Dibenz[a,h]anthracene...	18.574	9721553	80.805 ug/ml
21) T Benzo[g,h,i]perylene ...	18.795	9310639	91.046 ug/ml

(f)=RT Delta > 1/2 Window

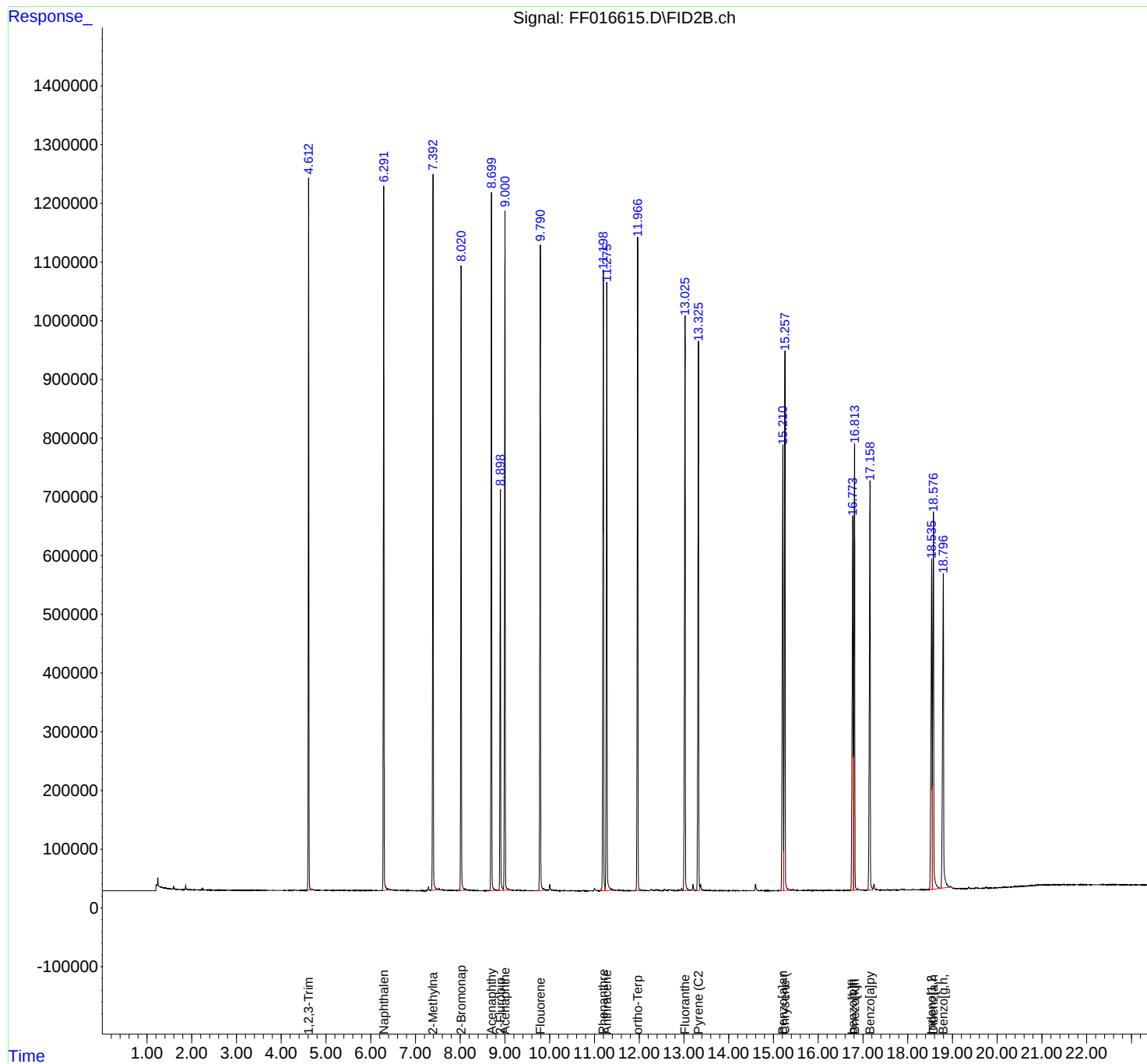
(m)=manual int.

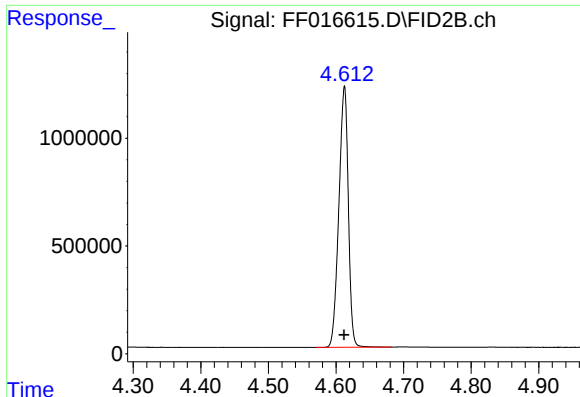
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102925AR\
Data File : FF016615.D
Signal(s) : FID2B.ch
Acq On : 29 Oct 2025 17:02
Operator : YP\AJ
Sample : 100 PPM AROMATIC HC STD1
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
100 PPM AROMATIC HC STD1

Integration File: autoint1.e
Quant Time: Oct 29 18:23:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 18:17:22 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#1 1,2,3-Trimethylbenzene (C10.1)

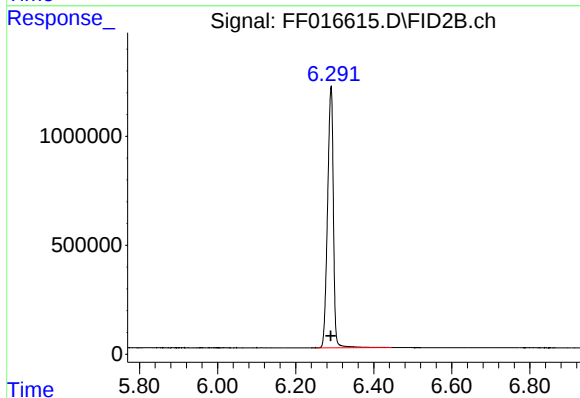
R.T.: 4.612 min
Delta R.T.: 0.000 min
Response: 11756483
Conc: 92.60 ug/ml

Instrument :

FID_F

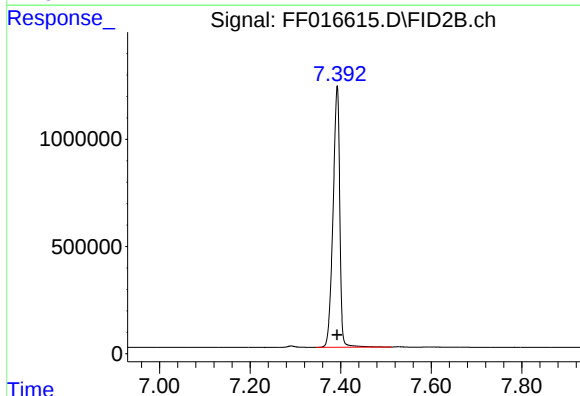
ClientSampleId :

100 PPM AROMATIC HC STD1



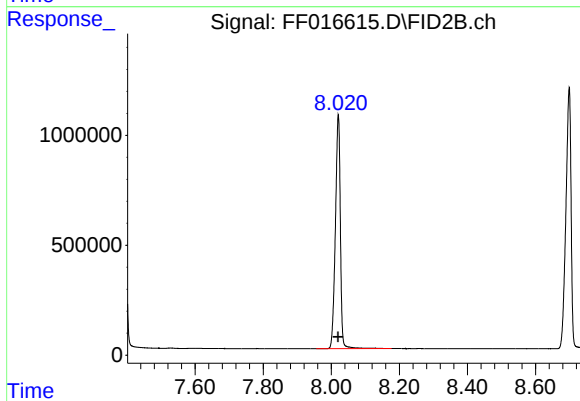
#2 Naphthalene (C11.7)

R.T.: 6.290 min
Delta R.T.: 0.000 min
Response: 12375430
Conc: 95.19 ug/ml



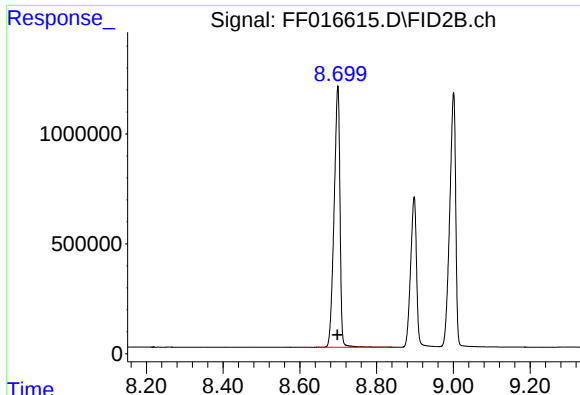
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.392 min
Delta R.T.: 0.000 min
Response: 12581917
Conc: 95.35 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 8.020 min
Delta R.T.: 0.000 min
Response: 10784724
Conc: 96.19 ug/ml



#5 Acenaphthylene (C15.06)

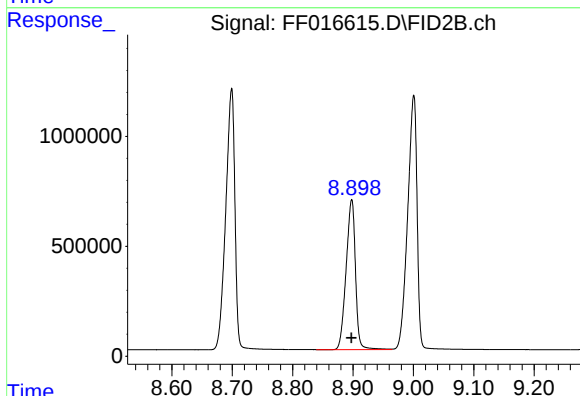
R.T.: 8.698 min
Delta R.T.: 0.000 min
Response: 12596663
Conc: 95.09 ug/ml

Instrument :

FID_F

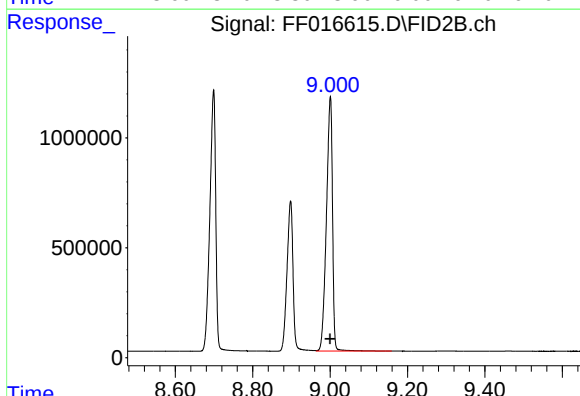
ClientSampleId :

100 PPM AROMATIC HC STD1



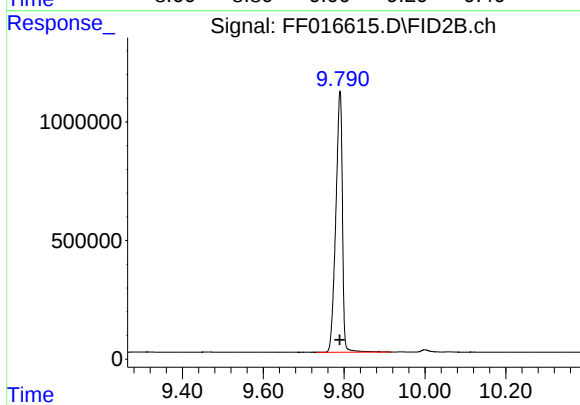
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.898 min
Delta R.T.: 0.000 min
Response: 7369223
Conc: 100.63 ug/ml



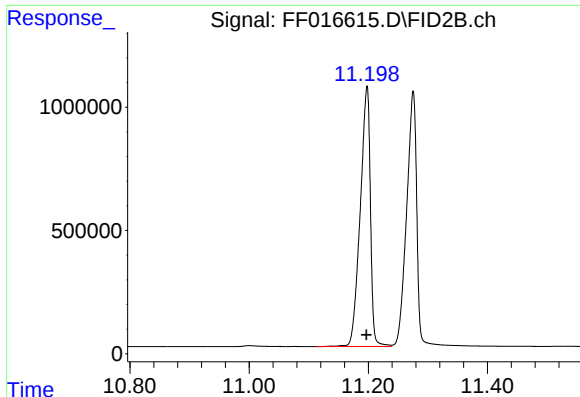
#7 Acenaphthene (C15.5)

R.T.: 9.000 min
Delta R.T.: 0.000 min
Response: 12623884
Conc: 93.60 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.789 min
Delta R.T.: 0.000 min
Response: 12461128
Conc: 96.34 ug/ml



#9 Phenanthrene (C19.36)

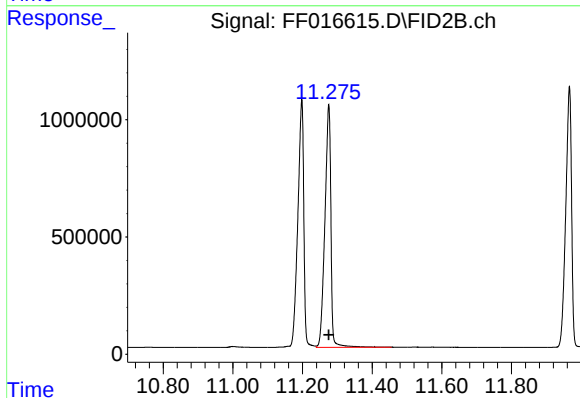
R.T.: 11.197 min
Delta R.T.: 0.000 min
Response: 12496655
Conc: 96.01 ug/ml

Instrument :

FID_F

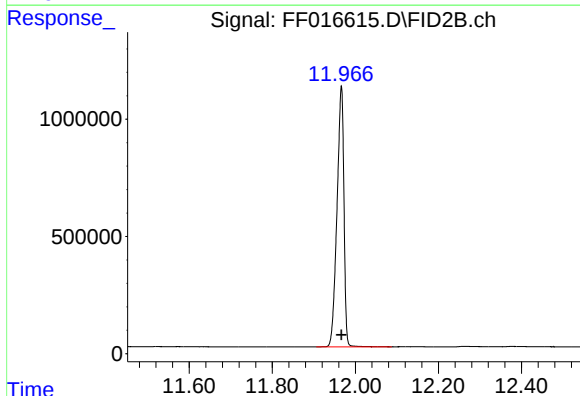
ClientSampleId :

100 PPM AROMATIC HC STD1



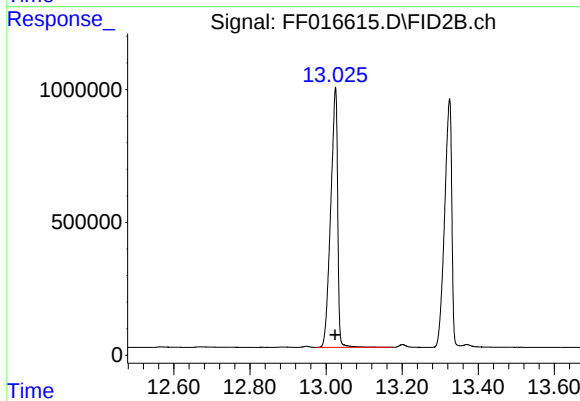
#10 Anthracene (C19.43)

R.T.: 11.275 min
Delta R.T.: 0.000 min
Response: 12362442
Conc: 94.62 ug/ml



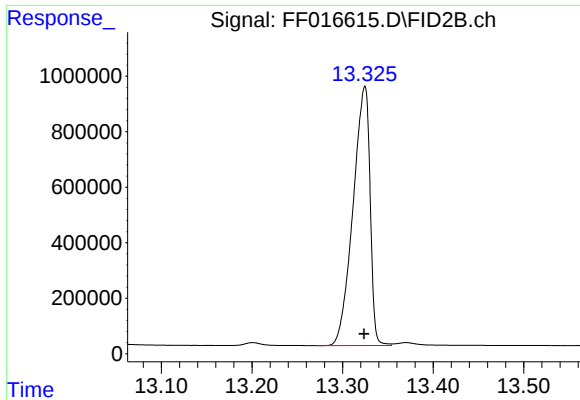
#11 ortho-Terphenyl (SURR)

R.T.: 11.966 min
Delta R.T.: 0.000 min
Response: 12863492
Conc: 91.48 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 13.024 min
Delta R.T.: 0.000 min
Response: 12414521
Conc: 93.32 ug/ml



#13 Pyrene (C20.8)

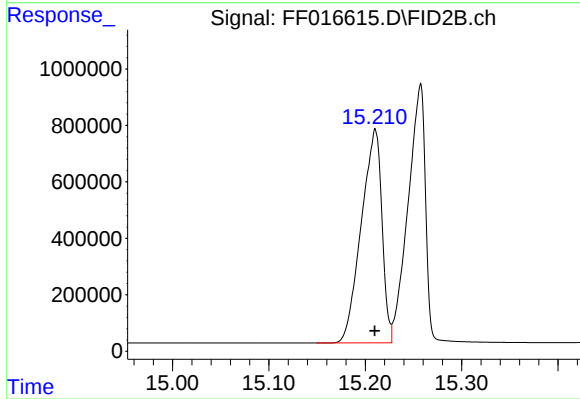
R.T.: 13.324 min
Delta R.T.: 0.000 min
Response: 12195023
Conc: 92.03 ug/ml

Instrument :

FID_F

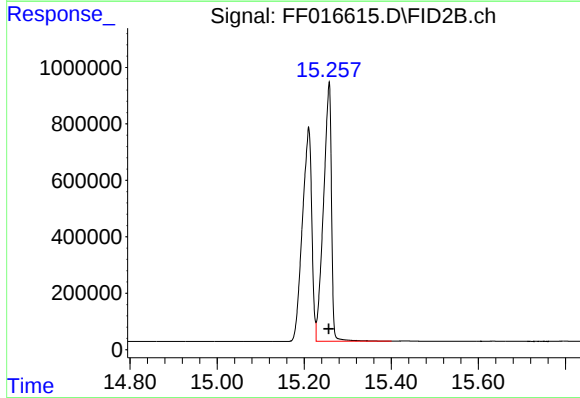
ClientSampleId :

100 PPM AROMATIC HC STD1



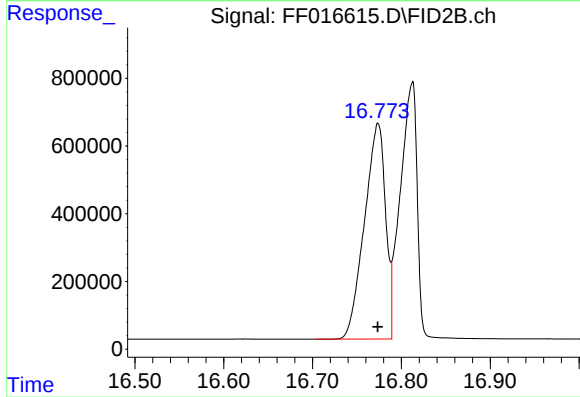
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.210 min
Delta R.T.: 0.000 min
Response: 11288315
Conc: 98.40 ug/ml



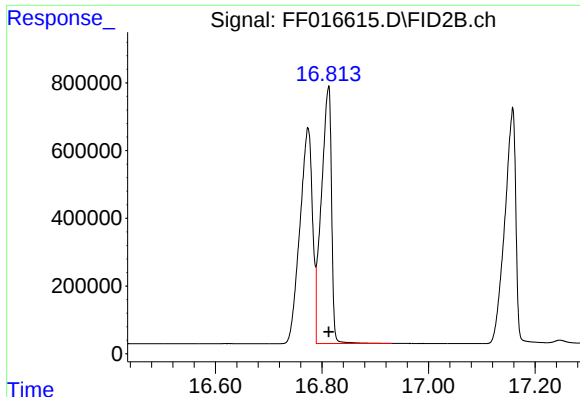
#15 Chrysene (C27.41)

R.T.: 15.256 min
Delta R.T.: 0.000 min
Response: 11659085
Conc: 87.20 ug/ml



#16 benzo[b]fluoranthene (C30.41)

R.T.: 16.773 min
Delta R.T.: 0.000 min
Response: 10519607
Conc: 95.17 ug/ml



#17 Bnezo[k]fluoranthene (C30.14)

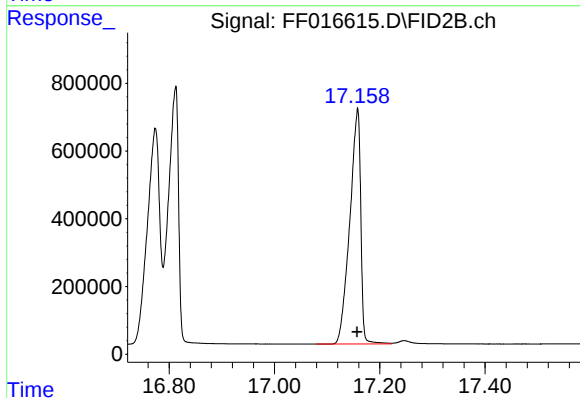
R.T.: 16.811 min
Delta R.T.: -0.002 min
Response: 10026374
Conc: 87.38 ug/ml

Instrument :

FID_F

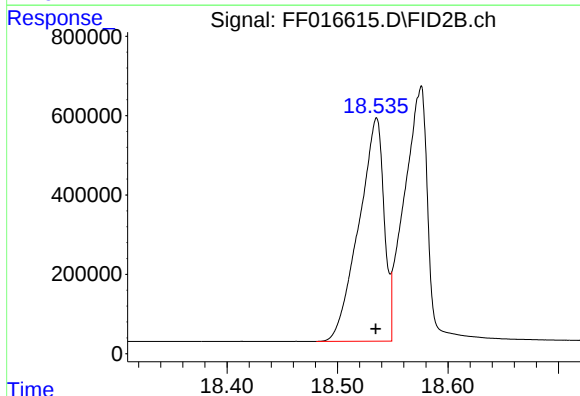
ClientSampleId :

100 PPM AROMATIC HC STD1



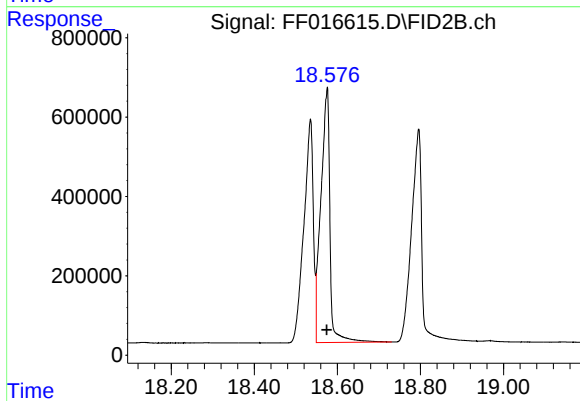
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.157 min
Delta R.T.: 0.000 min
Response: 10016615
Conc: 93.11 ug/ml



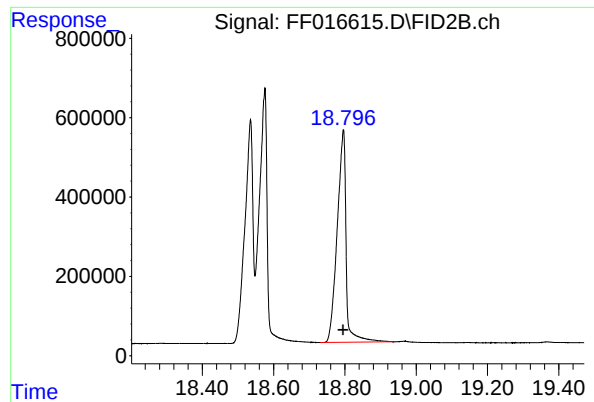
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.535 min
Delta R.T.: 0.000 min
Response: 8927084
Conc: 102.23 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 18.574 min
Delta R.T.: 0.000 min
Response: 9721553
Conc: 80.81 ug/ml



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 18.795 min
Delta R.T.: 0.000 min
Response: 9310639
Conc: 91.05 ug/ml

Instrument :
FID_F
ClientSampleId :
100 PPM AROMATIC HC STD1

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102925AR\
 Data File : FF016615.D
 Signal(s) : FID2B.ch
 Acq On : 29 Oct 2025 17:02
 Sample : 100 PPM AROMATIC HC STD1
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.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	4.612	4.571	4.682	BV	1214954	11756483	91.39%	4.974%
2	6.290	6.252	6.446	BB	1202422	12375430	96.21%	5.236%
3	7.392	7.346	7.512	BV	1225090	12581917	97.81%	5.323%
4	8.020	7.956	8.177	BB	1067627	10784724	83.84%	4.563%
5	8.698	8.642	8.839	BB	1194195	12596663	97.93%	5.330%
6	8.898	8.839	8.964	BV	683176	7369223	57.29%	3.118%
7	9.000	8.964	9.159	VB	1163401	12623884	98.14%	5.341%
8	9.789	9.731	9.917	BV	1099415	12461128	96.87%	5.272%
9	11.197	11.112	11.239	BV	1055313	12496655	97.15%	5.287%
10	11.275	11.239	11.456	VB	1033094	12362442	96.10%	5.231%
11	11.966	11.906	12.087	BB	1112532	12863492	100.00%	5.443%
12	13.024	12.974	13.172	PB	975634	12414521	96.51%	5.253%
13	13.324	13.271	13.354	BV	933806	12195023	94.80%	5.160%
14	15.210	15.149	15.227	BV	753877	11288315	87.75%	4.776%
15	15.256	15.227	15.401	VB	900367	11659085	90.64%	4.933%
16	16.773	16.704	16.789	BV	638078	10519607	81.78%	4.451%
17	16.811	16.789	16.931	VB	750164	10026374	77.94%	4.242%
18	17.157	17.079	17.222	BV	695856	10016615	77.87%	4.238%
19	18.535	18.481	18.549	BV	560225	8927084	69.40%	3.777%
20	18.574	18.549	18.731	VBA	628710	9721553	75.57%	4.113%
21	18.795	18.731	18.942	BV	538181	9310639	72.38%	3.939%
Sum of corrected areas:						236350856		

Aromatic EPH 102925.M Thu Oct 30 03:47:04 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102925AR\
 Data File : FF016616.D
 Signal(s) : FID2B.ch
 Acq On : 29 Oct 2025 18:07
 Operator : YP\AJ
 Sample : 5 PPM AROMATIC HC STD5
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 5 PPM AROMATIC HC STD5

Integration File: autoint1.e
 Quant Time: Oct 29 18:25:38 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 29 18:17:22 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	8.013	590557	5.211 ug/ml
Spiked Amount 50.000		Recovery =	10.42%
6) S 2-Fluorobiphenyl (SURR)	8.892	318482	4.465 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	8.93%
11) S ortho-Terphenyl (SURR)	11.955	859125	5.850 ug/ml
Spiked Amount 50.000		Recovery =	11.70%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.604	751692	5.710 ug/ml
2) T Naphthalene (C11.7)	6.282	707229	5.346 ug/ml
3) T 2-Methylnaphthalene (...)	7.383	684382	5.148 ug/ml
5) T Acenaphthylene (C15.06)	8.687	728251	5.390 ug/ml
7) T Acenaphthene (C15.5)	8.986	739096	5.377 ug/ml
8) T Flouorene (C16.55)	9.779	667777	5.129 ug/ml
9) T Phenanthrene (C19.36)	11.187	702608	5.314 ug/ml
10) T Anthracene (C19.43)	11.264	774695	5.717 ug/ml
12) T Fluoranthene (C21.85)	13.010	770417	5.614 ug/ml
13) T Pyrene (C20.8)	13.309	775847	5.661 ug/ml
14) T Benzo[a]anthracene (C...	15.196	552895	4.855 ug/ml
15) T Chrysene (C27.41)	15.238	853938	6.051 ug/ml
16) T benzo[b]fluoranthene ...	16.758	567699	5.108 ug/ml
17) T Bnezo[k]fluoranthene ...	16.789	745013	6.099 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.145	592115	5.395 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.523	404761	4.704 ug/ml
20) T Dibenz[a,h]anthracene...	18.560	886190	6.729 ug/ml
21) T Benzo[g,h,i]perylene ...	18.771	604043	5.700 ug/ml

(f)=RT Delta > 1/2 Window

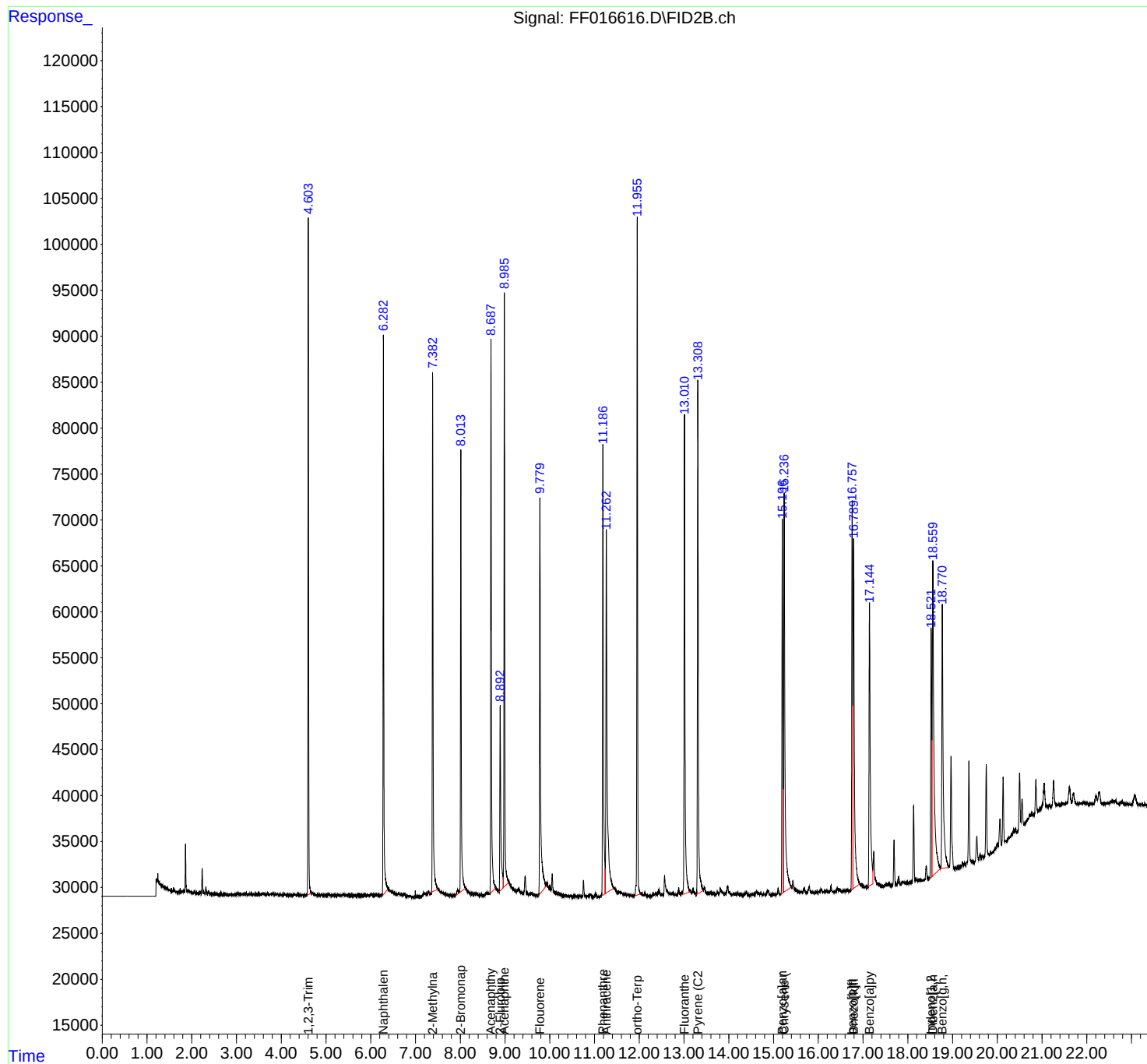
(m)=manual int.

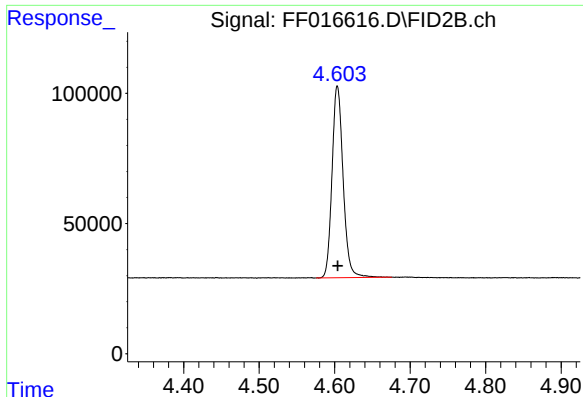
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102925AR\
Data File : FF016616.D
Signal(s) : FID2B.ch
Acq On : 29 Oct 2025 18:07
Operator : YP\AJ
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
5 PPM AROMATIC HC STD5

Integration File: autoint1.e
Quant Time: Oct 29 18:25:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 18:17:22 2025
Response via : Initial Calibration
Integrator: ChemStation

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

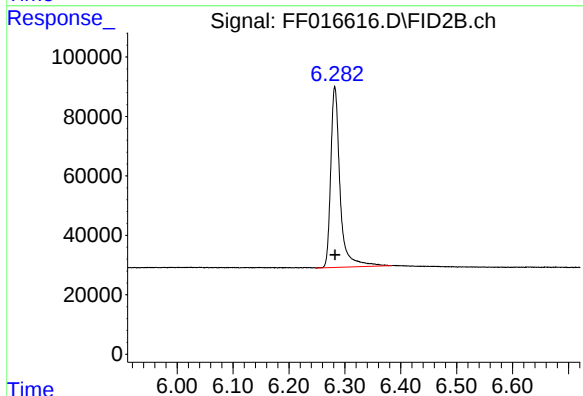




#1 1,2,3-Trimethylbenzene (C10.1)

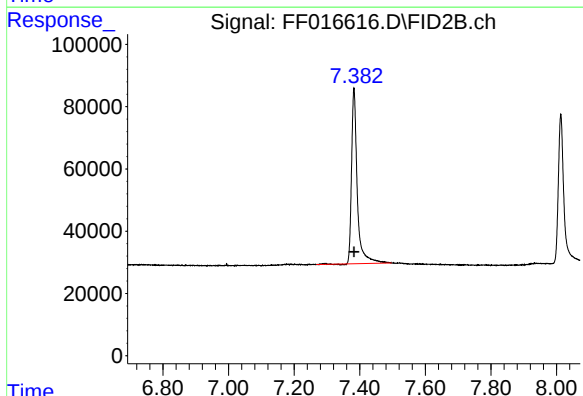
R.T.: 4.604 min
Delta R.T.: 0.000 min
Response: 751692
Conc: 5.71 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM AROMATIC HC STD5



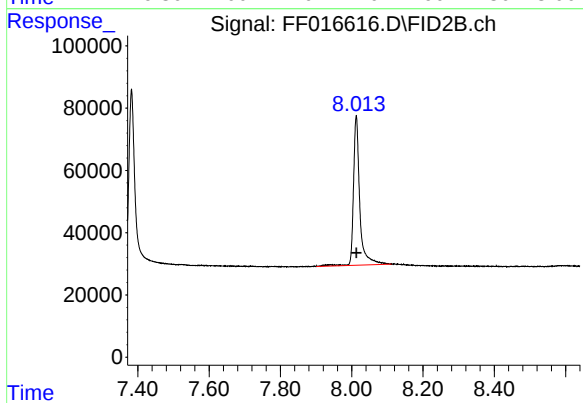
#2 Naphthalene (C11.7)

R.T.: 6.282 min
Delta R.T.: 0.000 min
Response: 707229
Conc: 5.35 ug/ml



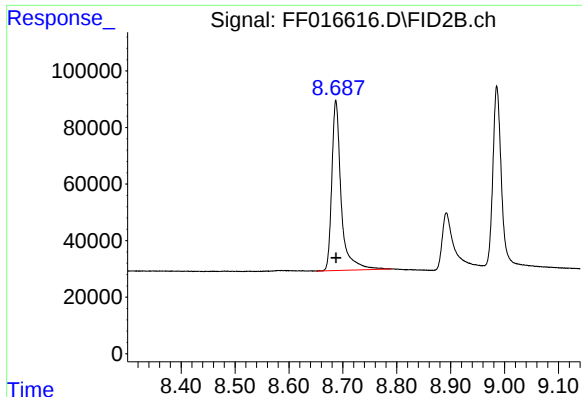
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.383 min
Delta R.T.: 0.000 min
Response: 684382
Conc: 5.15 ug/ml



#4 2-Bromonaphthalene (SURR)

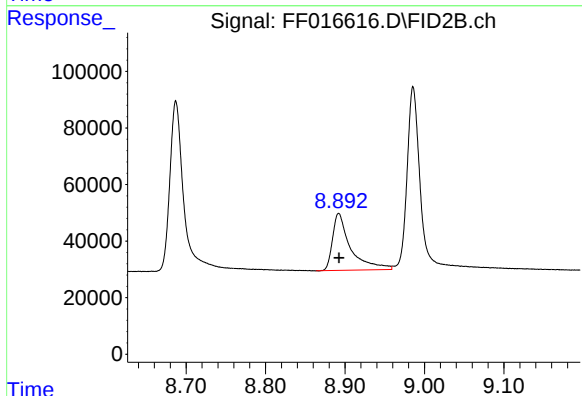
R.T.: 8.013 min
Delta R.T.: 0.000 min
Response: 590557
Conc: 5.21 ug/ml



#5 Acenaphthylene (C15.06)

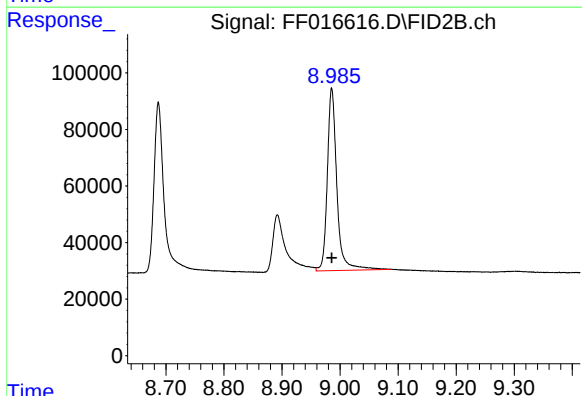
R.T.: 8.687 min
Delta R.T.: 0.000 min
Response: 728251
Conc: 5.39 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM AROMATIC HC STD5



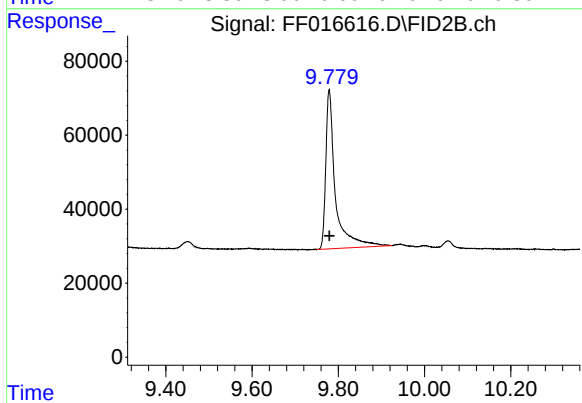
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.892 min
Delta R.T.: 0.000 min
Response: 318482
Conc: 4.47 ug/ml



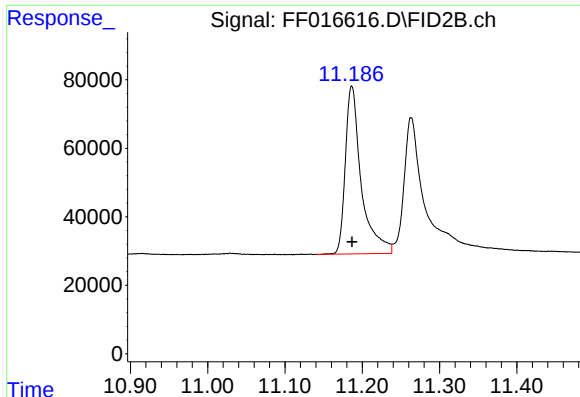
#7 Acenaphthene (C15.5)

R.T.: 8.986 min
Delta R.T.: 0.000 min
Response: 739096
Conc: 5.38 ug/ml



#8 Flouorene (C16.55)

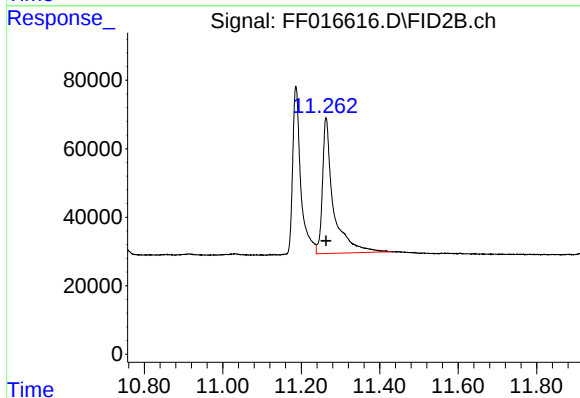
R.T.: 9.779 min
Delta R.T.: 0.000 min
Response: 667777
Conc: 5.13 ug/ml



#9 Phenanthrene (C19.36)

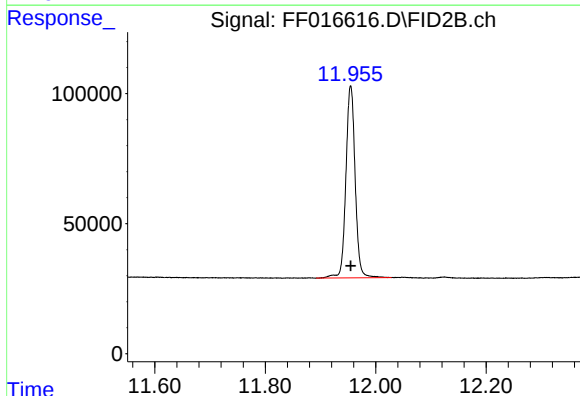
R.T.: 11.187 min
Delta R.T.: 0.000 min
Response: 702608
Conc: 5.31 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM AROMATIC HC STD5



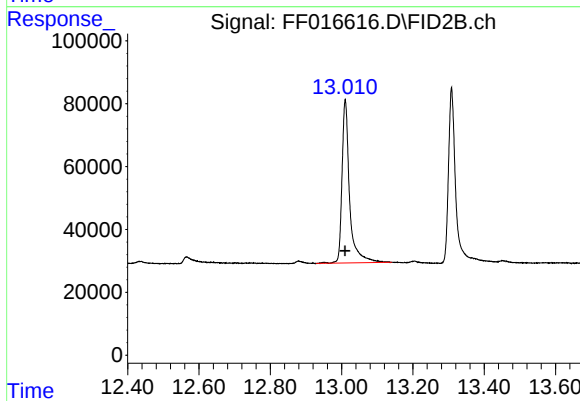
#10 Anthracene (C19.43)

R.T.: 11.264 min
Delta R.T.: 0.000 min
Response: 774695
Conc: 5.72 ug/ml



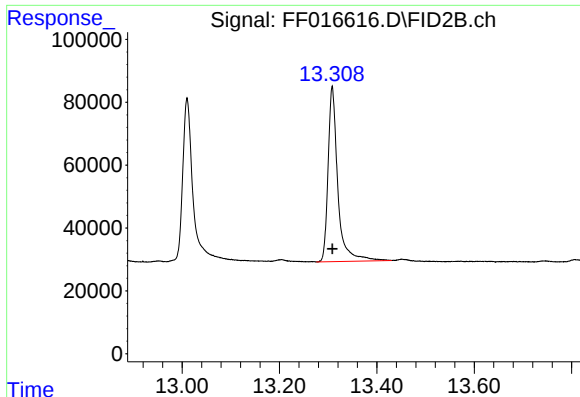
#11 ortho-Terphenyl (SURR)

R.T.: 11.955 min
Delta R.T.: 0.000 min
Response: 859125
Conc: 5.85 ug/ml



#12 Fluoranthene (C21.85)

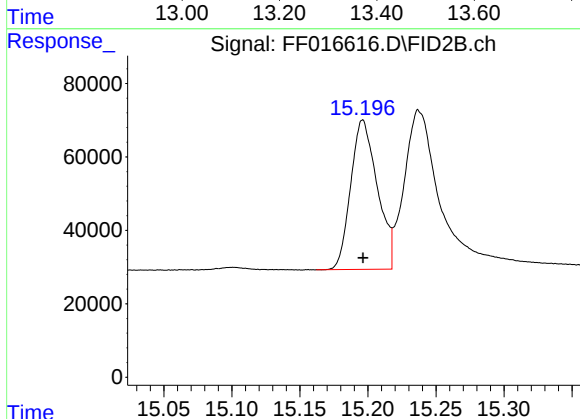
R.T.: 13.010 min
Delta R.T.: 0.000 min
Response: 770417
Conc: 5.61 ug/ml



#13 Pyrene (C20.8)

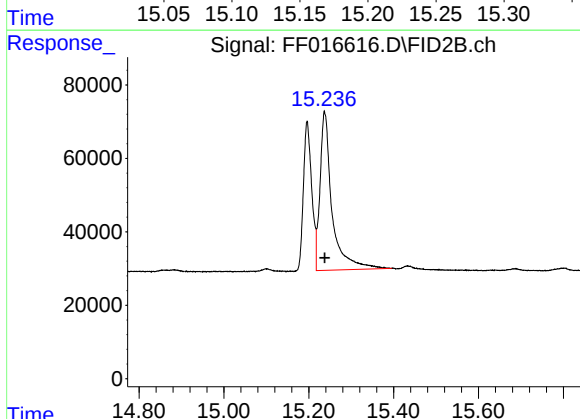
R.T.: 13.309 min
Delta R.T.: 0.000 min
Response: 775847
Conc: 5.66 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM AROMATIC HC STD5



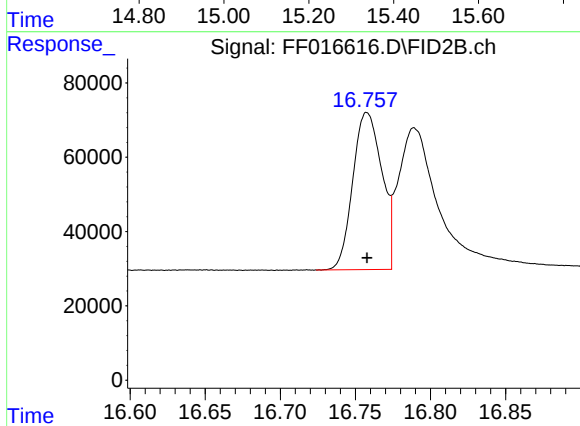
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.196 min
Delta R.T.: 0.000 min
Response: 552895
Conc: 4.85 ug/ml



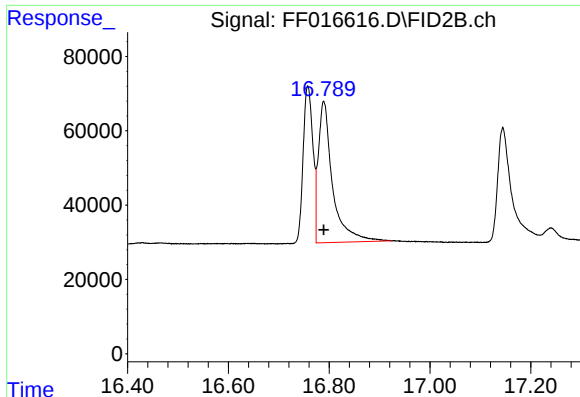
#15 Chrysene (C27.41)

R.T.: 15.238 min
Delta R.T.: 0.000 min
Response: 853938
Conc: 6.05 ug/ml



#16 benzo[b]fluoranthene (C30.41)

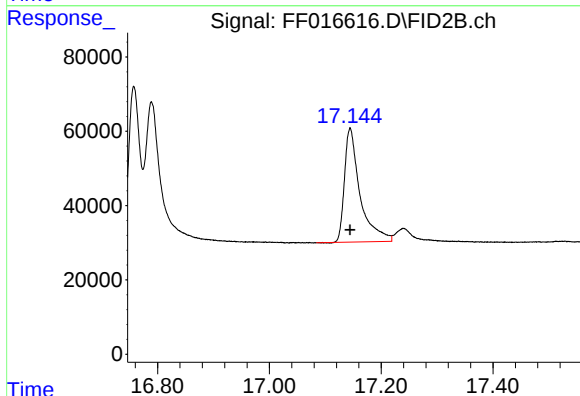
R.T.: 16.758 min
Delta R.T.: 0.000 min
Response: 567699
Conc: 5.11 ug/ml



#17 Bnezo[k]fluoranthene (C30.14)

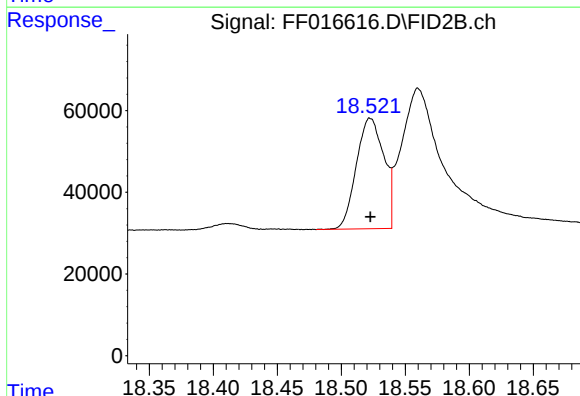
R.T.: 16.789 min
Delta R.T.: 0.000 min
Response: 745013
Conc: 6.10 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM AROMATIC HC STD5



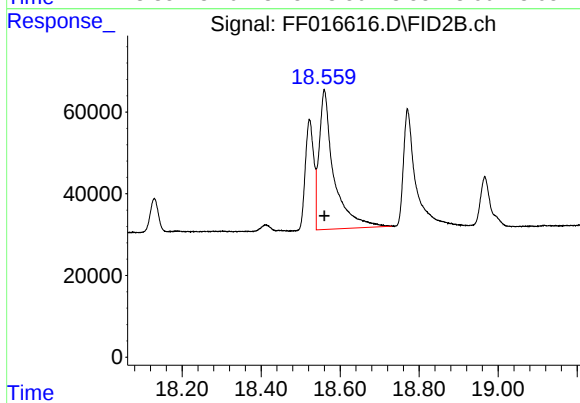
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.145 min
Delta R.T.: 0.000 min
Response: 592115
Conc: 5.40 ug/ml



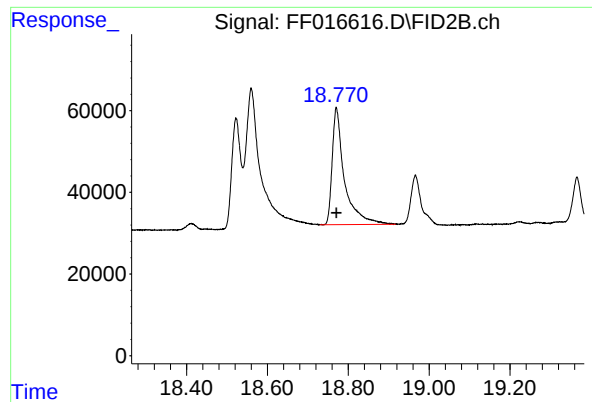
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.523 min
Delta R.T.: 0.000 min
Response: 404761
Conc: 4.70 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 18.560 min
Delta R.T.: 0.000 min
Response: 886190
Conc: 6.73 ug/ml



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 18.771 min
Delta R.T.: 0.000 min
Response: 604043
Conc: 5.70 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM AROMATIC HC STD5

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102925AR\
 Data File : FF016616.D
 Signal(s) : FID2B.ch
 Acq On : 29 Oct 2025 18:07
 Sample : 5 PPM AROMATIC HC STD5
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.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	4.604	4.575	4.675	BB	73517	751692	84.82%	5.265%
2	6.282	6.249	6.384	BB	60788	707229	79.81%	4.954%
3	7.383	7.267	7.497	BB	56387	684382	77.23%	4.794%
4	8.013	7.900	8.112	BB	48196	590557	66.64%	4.136%
5	8.687	8.650	8.790	BB	60087	728251	82.18%	5.101%
6	8.892	8.864	8.959	BV	20147	318482	35.94%	2.231%
7	8.986	8.959	9.089	VB	64565	739096	83.40%	5.177%
8	9.779	9.749	9.924	BB	43032	667777	75.35%	4.677%
9	11.187	11.140	11.238	BV	48923	702608	79.28%	4.921%
10	11.264	11.238	11.430	VB	39436	774695	87.42%	5.426%
11	11.955	11.892	12.029	BB	73814	859125	96.95%	6.018%
12	13.010	12.929	13.140	BB	52001	770417	86.94%	5.396%
13	13.309	13.275	13.430	BB	55741	775847	87.55%	5.434%
14	15.196	15.162	15.218	BV	40723	552895	62.39%	3.873%
15	15.238	15.218	15.395	VB	43167	853938	96.36%	5.981%
16	16.758	16.724	16.774	BV	42345	567699	64.06%	3.976%
17	16.789	16.774	16.924	VB	38027	745013	84.07%	5.218%
18	17.145	17.084	17.219	BV	30683	592115	66.82%	4.147%
19	18.523	18.480	18.539	BV	27122	404761	45.67%	2.835%
20	18.560	18.539	18.730	VBA	34133	886190	100.00%	6.207%
21	18.771	18.730	18.917	BB	28599	604043	68.16%	4.231%
Sum of corrected areas:							14276810	

Aromatic EPH 102925.M Thu Oct 30 03:47:35 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102925AR\
 Data File : FF016617.D
 Signal(s) : FID2B.ch
 Acq On : 29 Oct 2025 19:06
 Operator : YP\AJ
 Sample : 20 PPM AROMATIC HC STD ICV
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 20 PPM AROMATIC HC STD ICV

Integration File: autoint1.e
 Quant Time: Oct 30 03:35:58 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 29 18:27:43 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	8.015	1989340	17.555 ug/ml
Spiked Amount 50.000		Recovery =	35.11%
6) S 2-Fluorobiphenyl (SURR)	8.891	1263649	17.718 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	35.44%
11) S ortho-Terphenyl (SURR)	11.956	2549143	17.359 ug/ml
Spiked Amount 50.000		Recovery =	34.72%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.609	2304294	17.505 ug/ml
2) T Naphthalene (C11.7)	6.285	2322510	17.556 ug/ml
3) T 2-Methylnaphthalene (...)	7.385	2342738	17.623 ug/ml
5) T Acenaphthylene (C15.06)	8.690	2371103	17.550 ug/ml
7) T Acenaphthene (C15.5)	8.989	2440948	17.757 ug/ml
8) T Flouorene (C16.55)	9.780	2289982	17.590 ug/ml
9) T Phenanthrene (C19.36)	11.187	2314662	17.505 ug/ml
10) T Anthracene (C19.43)	11.262	2415928	17.829 ug/ml
12) T Fluoranthene (C21.85)	13.010	2381378	17.352 ug/ml
13) T Pyrene (C20.8)	13.309	2403313	17.537 ug/ml
14) T Benzo[a]anthracene (C...	15.195	2012681	17.672 ug/ml
15) T Chrysene (C27.41)	15.236	2491463	17.655 ug/ml
16) T benzo[b]fluoranthene ...	16.757	1954751	17.589 ug/ml
17) T Bnezo[k]fluoranthene ...	16.788	2141375	17.531 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.139	1866797	17.010 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.516	1463400	17.006 ug/ml
20) T Dibenz[a,h]anthracene...	18.556	2179893	16.553 ug/ml
21) T Benzo[g,h,i]perylene ...	18.769	1840657	17.369 ug/ml

(f)=RT Delta > 1/2 Window

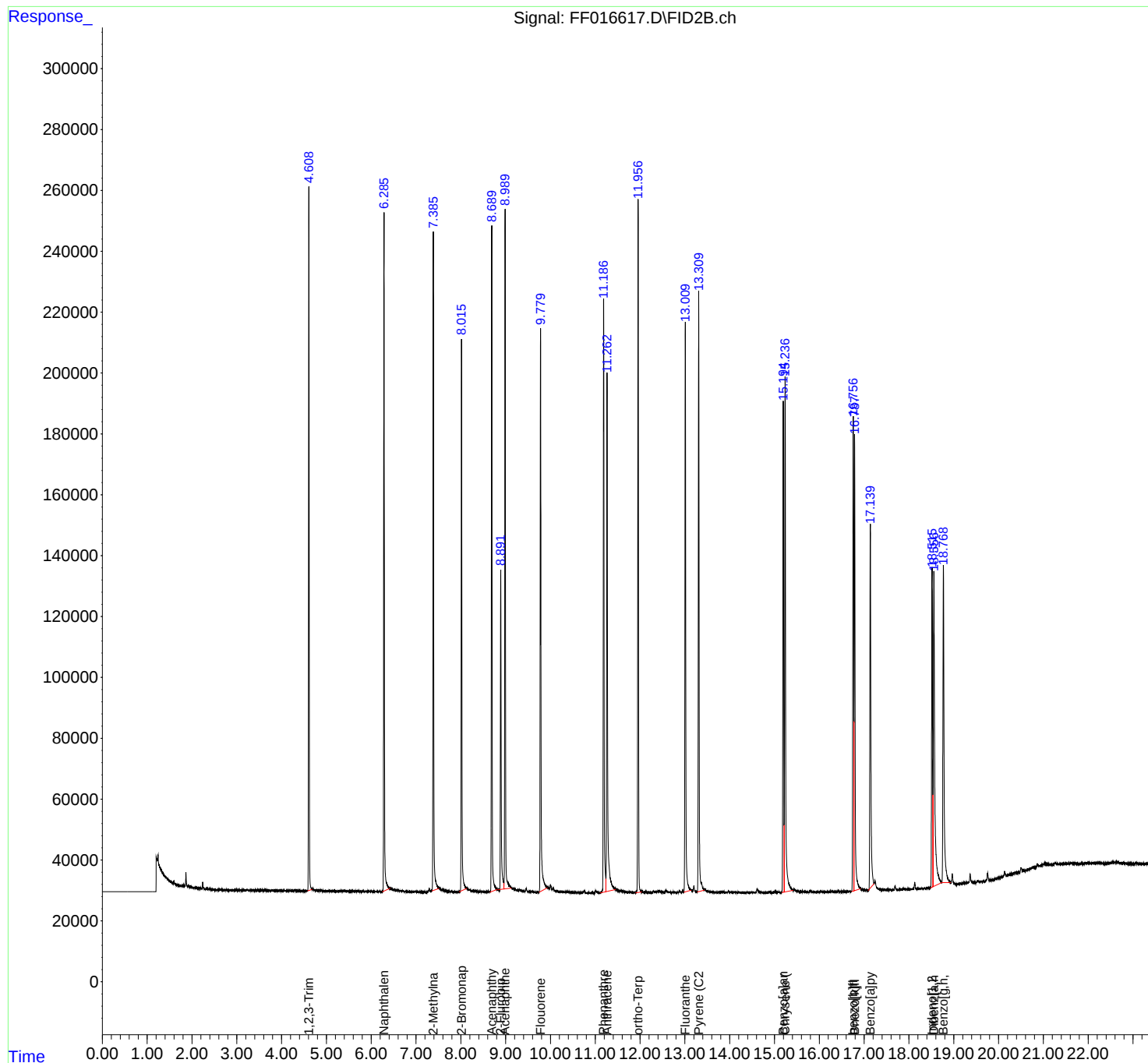
(m)=manual int.

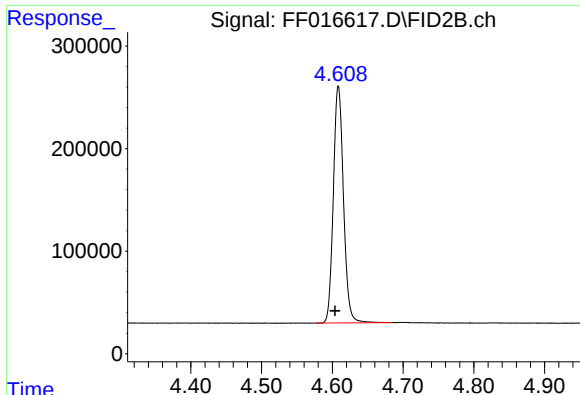
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102925AR\
Data File : FF016617.D
Signal(s) : FID2B.ch
Acq On : 29 Oct 2025 19:06
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Oct 30 03:35:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 18:27:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#1 1,2,3-Trimethylbenzene (C10.1)

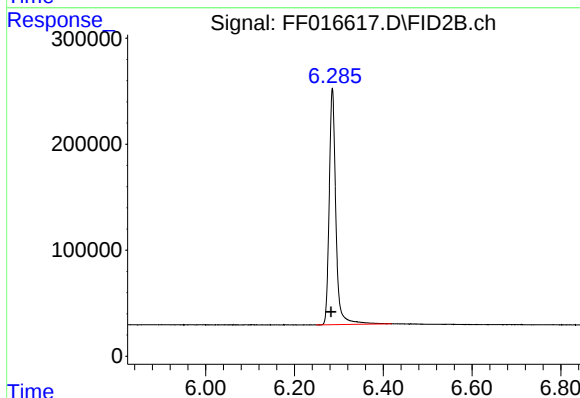
R.T.: 4.609 min
Delta R.T.: 0.005 min
Response: 2304294
Conc: 17.51 ug/ml

Instrument :

FID_F

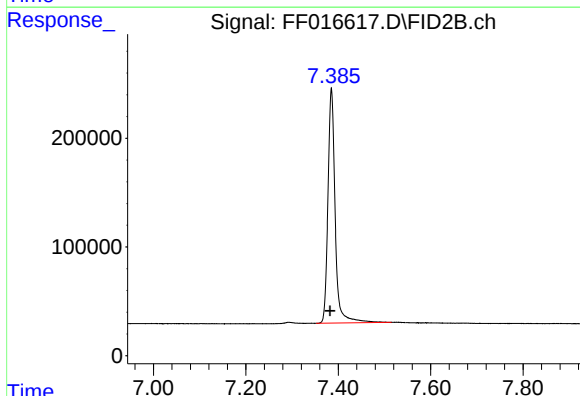
ClientSampleId :

20 PPM AROMATIC HC STD ICV



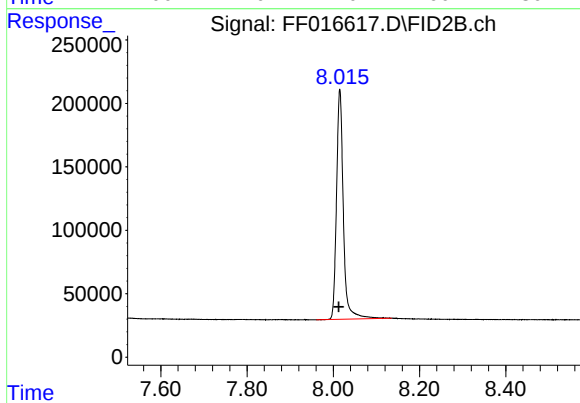
#2 Naphthalene (C11.7)

R.T.: 6.285 min
Delta R.T.: 0.003 min
Response: 2322510
Conc: 17.56 ug/ml



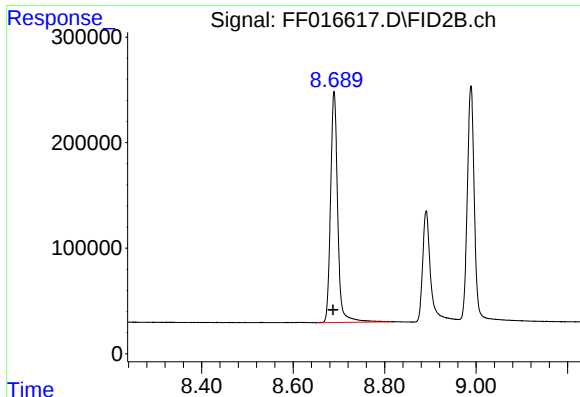
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.385 min
Delta R.T.: 0.003 min
Response: 2342738
Conc: 17.62 ug/ml



#4 2-Bromonaphthalene (SURR)

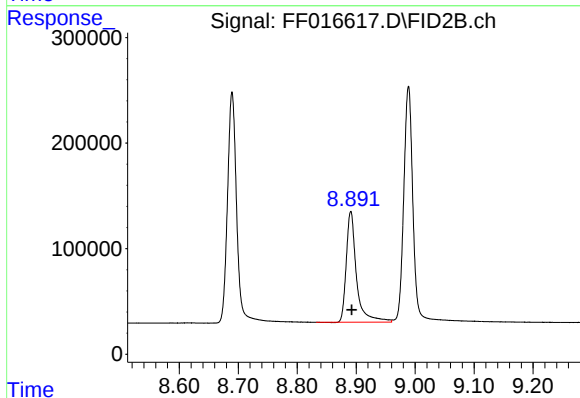
R.T.: 8.015 min
Delta R.T.: 0.002 min
Response: 1989340
Conc: 17.55 ug/ml



#5 Acenaphthylene (C15.06)

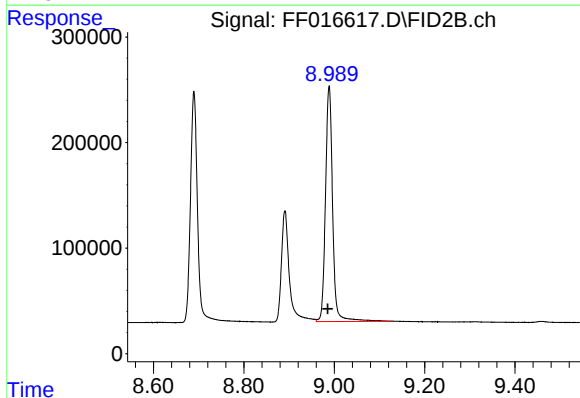
R.T.: 8.690 min
Delta R.T.: 0.002 min
Response: 2371103
Conc: 17.55 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD ICV



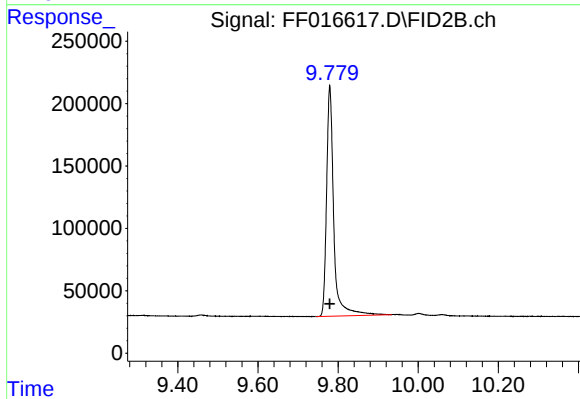
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.891 min
Delta R.T.: -0.001 min
Response: 1263649
Conc: 17.72 ug/ml



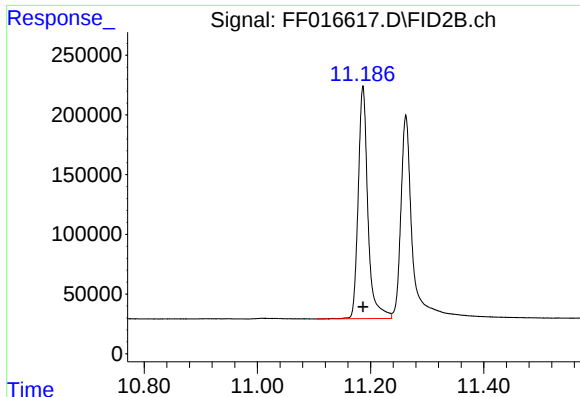
#7 Acenaphthene (C15.5)

R.T.: 8.989 min
Delta R.T.: 0.003 min
Response: 2440948
Conc: 17.76 ug/ml



#8 Fluorene (C16.55)

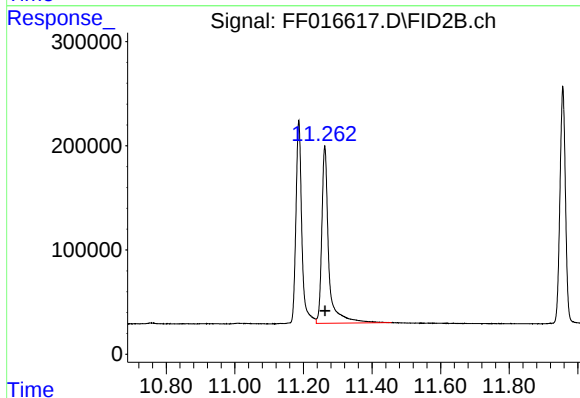
R.T.: 9.780 min
Delta R.T.: 0.000 min
Response: 2289982
Conc: 17.59 ug/ml



#9 Phenanthrene (C19.36)

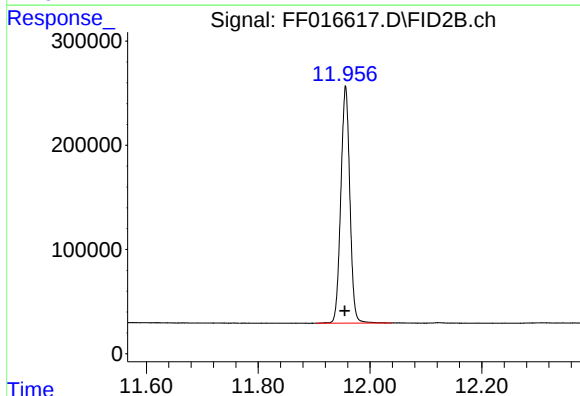
R.T.: 11.187 min
Delta R.T.: 0.000 min
Response: 2314662
Conc: 17.50 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD ICV



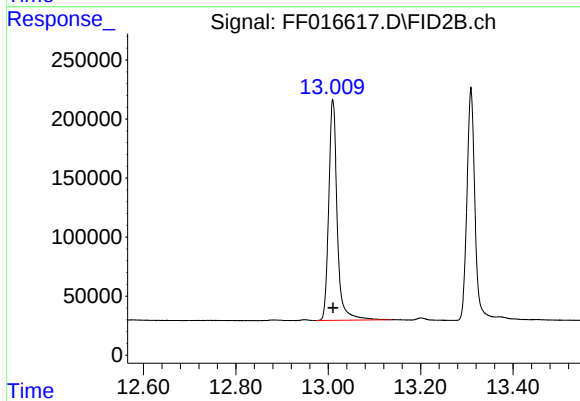
#10 Anthracene (C19.43)

R.T.: 11.262 min
Delta R.T.: -0.001 min
Response: 2415928
Conc: 17.83 ug/ml



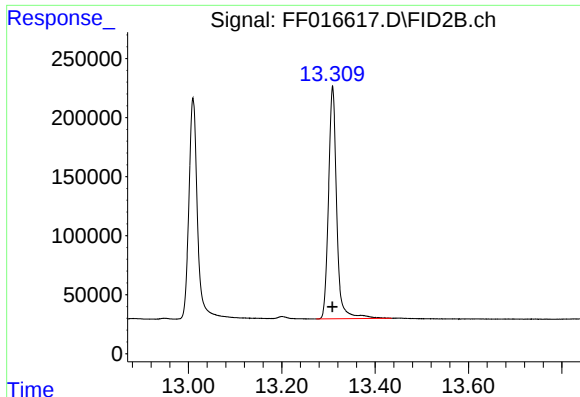
#11 ortho-Terphenyl (SURR)

R.T.: 11.956 min
Delta R.T.: 0.002 min
Response: 2549143
Conc: 17.36 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 13.010 min
Delta R.T.: 0.000 min
Response: 2381378
Conc: 17.35 ug/ml



#13 Pyrene (C20.8)

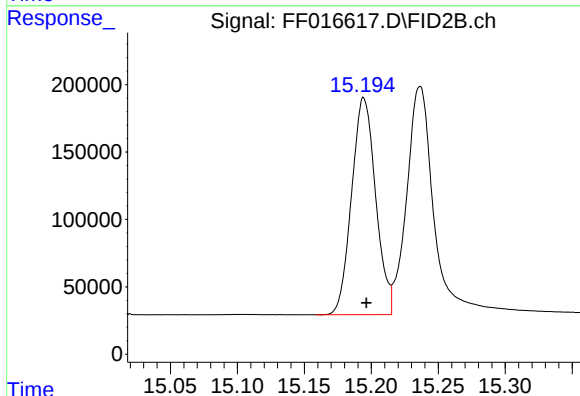
R.T.: 13.309 min
Delta R.T.: 0.000 min
Response: 2403313
Conc: 17.54 ug/ml

Instrument :

FID_F

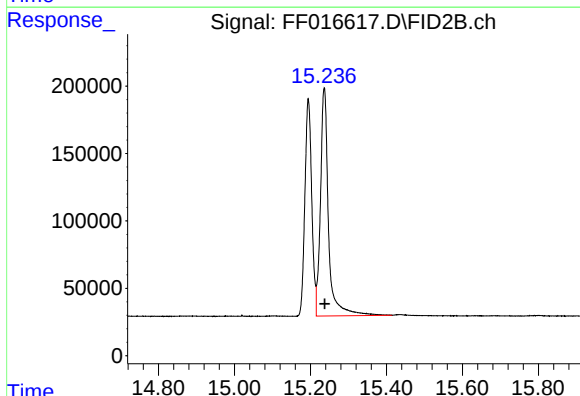
ClientSampleId :

20 PPM AROMATIC HC STD ICV



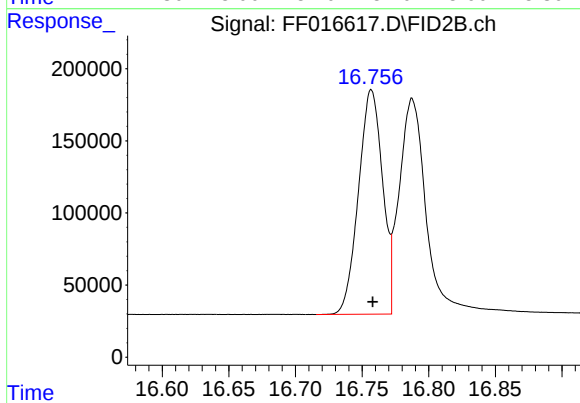
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.195 min
Delta R.T.: -0.002 min
Response: 2012681
Conc: 17.67 ug/ml



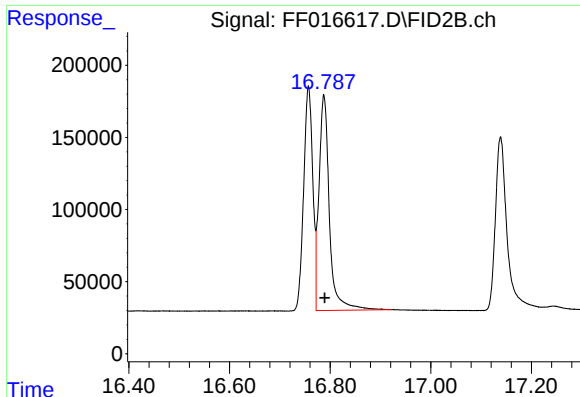
#15 Chrysene (C27.41)

R.T.: 15.236 min
Delta R.T.: -0.001 min
Response: 2491463
Conc: 17.66 ug/ml



#16 benzo[b]fluoranthene (C30.41)

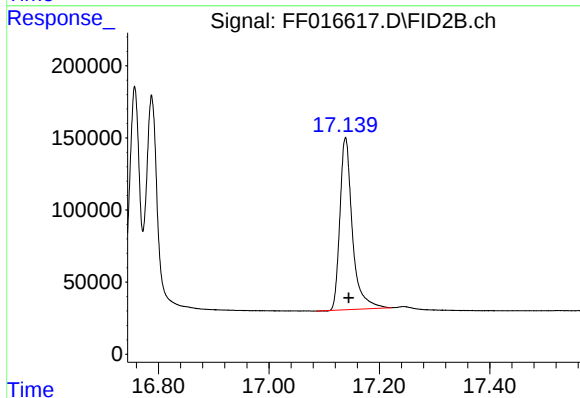
R.T.: 16.757 min
Delta R.T.: 0.000 min
Response: 1954751
Conc: 17.59 ug/ml



#17 Bnezo[k]fluoranthene (C30.14)

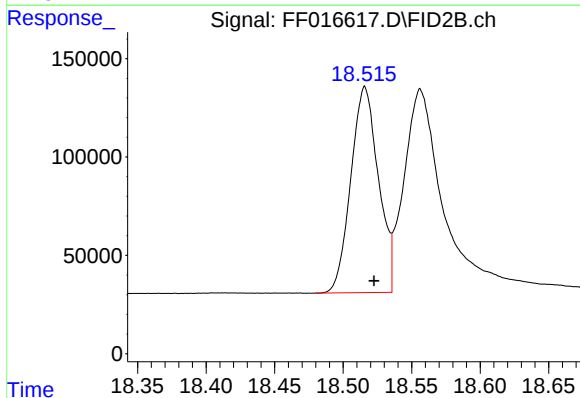
R.T.: 16.788 min
Delta R.T.: -0.002 min
Response: 2141375
Conc: 17.53 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD ICV



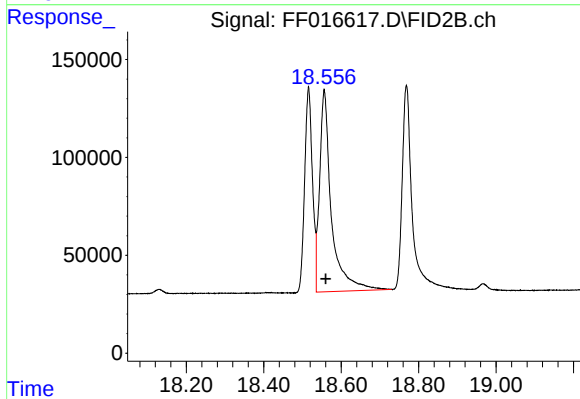
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.139 min
Delta R.T.: -0.006 min
Response: 1866797
Conc: 17.01 ug/ml



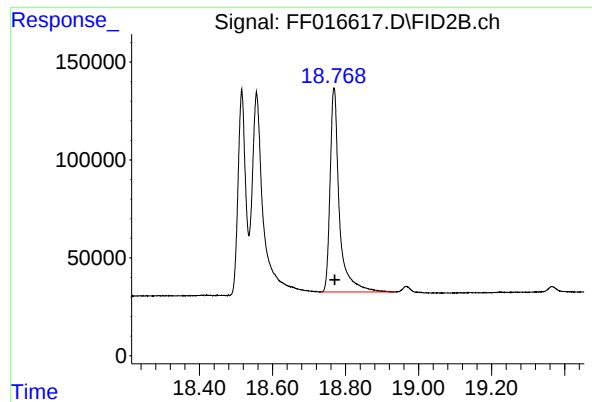
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.516 min
Delta R.T.: -0.007 min
Response: 1463400
Conc: 17.01 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 18.556 min
Delta R.T.: -0.004 min
Response: 2179893
Conc: 16.55 ug/ml



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 18.769 min
Delta R.T.: -0.002 min
Response: 1840657
Conc: 17.37 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD ICV

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102925AR\
Data File : FF016617.D
Signal(s) : FID2B.ch
Acq On : 29 Oct 2025 19:06
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 46 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.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	4.609	4.577	4.684	BB	230932	2304294	90.39%	5.082%
2	6.285	6.249	6.419	BB	222963	2322510	91.11%	5.122%
3	7.385	7.352	7.515	BB	216096	2342738	91.90%	5.167%
4	8.015	7.960	8.135	BB	181217	1989340	78.04%	4.388%
5	8.690	8.650	8.815	BB	218649	2371103	93.02%	5.230%
6	8.891	8.832	8.960	BV	104918	1263649	49.57%	2.787%
7	8.989	8.960	9.127	VB	223541	2440948	95.76%	5.384%
8	9.780	9.745	9.934	BB	184348	2289982	89.83%	5.051%
9	11.187	11.104	11.237	BV	195343	2314662	90.80%	5.105%
10	11.262	11.237	11.457	VB	170050	2415928	94.77%	5.328%
11	11.956	11.904	12.039	BB	227614	2549143	100.00%	5.622%
12	13.010	12.974	13.137	BB	186498	2381378	93.42%	5.252%
13	13.309	13.274	13.435	BB	196908	2403313	94.28%	5.301%
14	15.195	15.159	15.215	BV	161306	2012681	78.96%	4.439%
15	15.236	15.215	15.414	VV	169772	2491463	97.74%	5.495%
16	16.757	16.715	16.772	BV	155607	1954751	76.68%	4.311%
17	16.788	16.772	16.922	VB	149656	2141375	84.00%	4.723%
18	17.139	17.085	17.222	BV	119572	1866797	73.23%	4.117%
19	18.516	18.480	18.536	BV	104765	1463400	57.41%	3.228%
20	18.556	18.536	18.730	VBA	102744	2179893	85.51%	4.808%
21	18.769	18.730	18.937	BV	104180	1840657	72.21%	4.060%
Sum of corrected areas:							45340003	

Aromatic EPH 102925.M Thu Oct 30 03:47:52 2025

Initial Calibration Report for SequenceID : FG102925AL

AreaCount

Parameter Range	FG016852.D	FG016848.D	FG016849.D	FG016850.D	FG016851.D	
Aliphatic C9-C12	34262467.000	18492584.000	7254295.000	3738287.000	1905143.000	
Aliphatic C12-C16	23563142.000	12790679.000	4920528.000	2484208.000	1213101.000	
Aliphatic C16-C21	36760469.000	20195600.000	7804680.000	4060755.000	2090588.000	
Aliphatic C21-C28	48743388.000	27416427.000	10278435.000	5677486.000	3316302.000	
Aliphatic C28-C40	57463919.000	32655580.000	12432103.000	7187522.000	4228641.000	
Aliphatic EPH	200793385.000	111550870.000	42690041.000	23148258.000	12753775.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	122003.2266662	4.004				
Aliphatic C12-C16	122851.24	3.023				
Aliphatic C16-C21	132396.2526664	4.852				
Aliphatic C21-C28	139034.6585	12.12				
Aliphatic C28-C40	113794.5446664	15.39				
Aliphatic EPH	124878.1566664	9.088				

Concentration

Parameter Range	FG016852.D	FG016848.D	FG016849.D	FG016850.D	FG016851.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	FG016852.D	FG016848.D	FG016849.D	FG016850.D	FG016851.D	
Aliphatic C9-C12	114208.223333	123283.893333	120904.916666	124609.566666	127009.533333	
Aliphatic C12-C16	117815.710000	127906.790000	123013.200000	124210.400000	121310.100000	
Aliphatic C16-C21	122534.896666	134637.333333	130078.000000	135358.500000	139372.533333	

Initial Calibration Report for SequenceID : FG102925AL

Aliphatic C21-C28	121858.470000	137082.135000	128480.437500	141937.150000	165815.100000	
Aliphatic C28-C40	95773.198333	108851.933333	103600.858333	119792.033333	140954.700000	
Aliphatic EPH	111551.880555	123945.411111	118583.447222	128601.433333	141708.611111	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102925AL\
 Data File : FG016848.D
 Signal(s) : FID1A.ch
 Acq On : 29 Oct 2025 14:35
 Operator : YP\AJ
 Sample : 50 PPM ALIPHATIC HC STD2
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
 Quant Time: Oct 29 16:04:14 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 29 15:59:42 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.044	7531998	47.583 ug/ml
Spiked Amount 50.000		Recovery =	95.17%
12) S 1-chlorooctadecane (S...	13.489	5878008	48.019 ug/ml
Spiked Amount 50.000		Recovery =	96.04%
Target Compounds			
1) T n-Nonane (C9)	3.366	6042983	48.496 ug/ml
2) T n-Decane (C10)	4.627	6178483	47.723 ug/ml
3) T A~Naphthalene (C11.7)	6.345	6612393	48.051 ug/ml
4) T n-Dodecane (C12)	6.808	6271118	47.281 ug/ml
5) T A~2-methylnaphthalene...	7.449	6282755	47.791 ug/ml
6) T n-Tetradecane (C14)	8.648	6252076	47.392 ug/ml
7) T n-Hexadecane (C16)	10.267	6538603	47.536 ug/ml
8) T n-Octadecane (C18)	11.721	6790694	47.661 ug/ml
10) T n-Eicosane (C20)	13.040	6721621	47.882 ug/ml
11) T n-Heneicosane (C21)	13.656	6683285	47.957 ug/ml
13) T n-Docosane (C22)	14.246	6759846	48.277 ug/ml
14) T n-Tetracosane (C24)	15.358	6933085	48.923 ug/ml
15) T n-Hexacosane (C26)	16.386	6894790	49.104 ug/ml
16) T n-Octacosane (C28)	17.341	6828706	49.402 ug/ml
17) T n-Tricontane (C30)	18.234	6876786	49.224 ug/ml
18) T n-Dotriacontane (C32)	19.071	6568252	49.320 ug/ml
19) T n-Tetratriacontane (C34)	19.861	5868504	49.848 ug/ml
20) T n-Hexatriacontane (C36)	20.603	4926509	51.501 ug/ml
21) T n-Octatriacontane (C38)	21.381	4376085	53.713 ug/ml
22) T n-Tetracontane (C40)	22.364	4039444	55.069 ug/ml

(f)=RT Delta > 1/2 Window

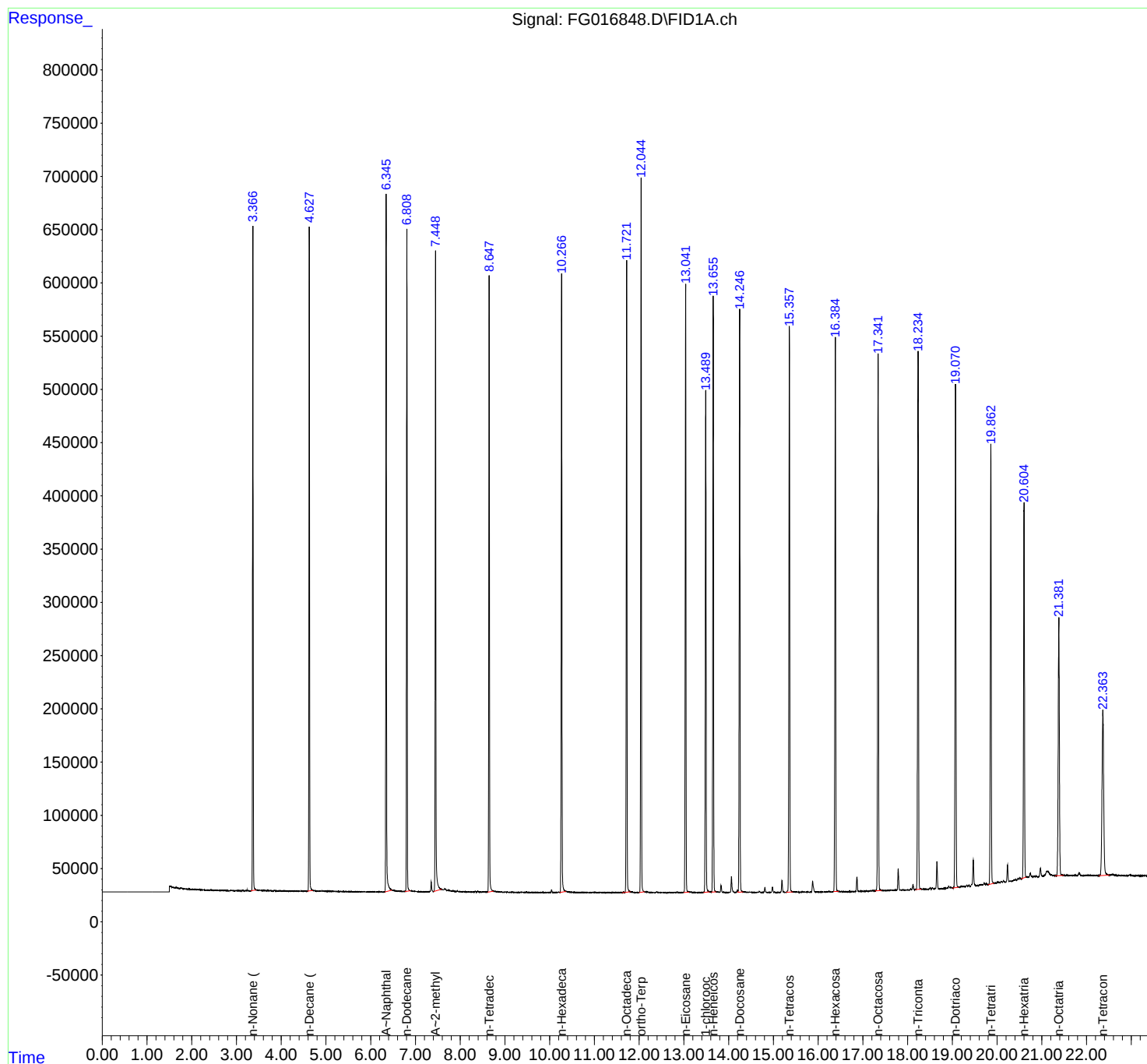
(m)=manual int.

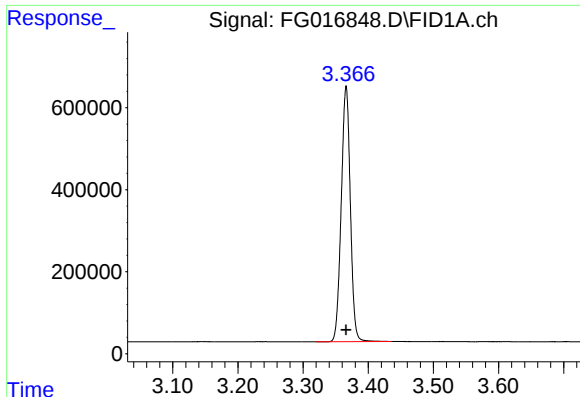
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102925AL\
Data File : FG016848.D
Signal(s) : FID1A.ch
Acq On : 29 Oct 2025 14:35
Operator : YP\AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Oct 29 16:04:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 15:59:42 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 u1
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

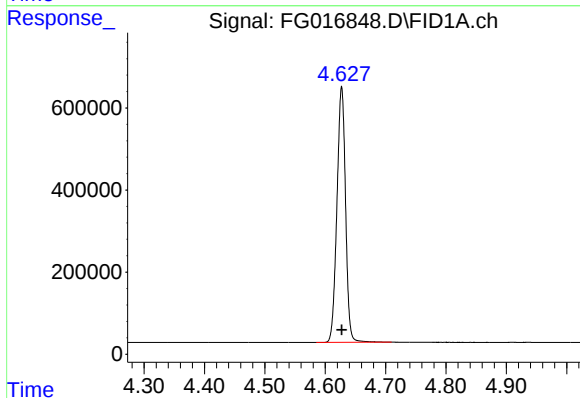




#1 n-Nonane (C9)

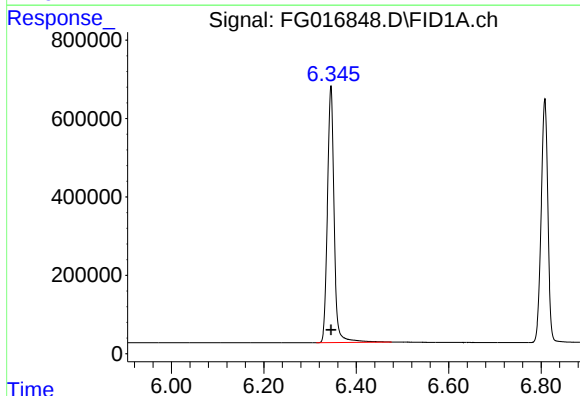
R.T.: 3.366 min
Delta R.T.: 0.000 min
Response: 6042983
Conc: 48.50 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



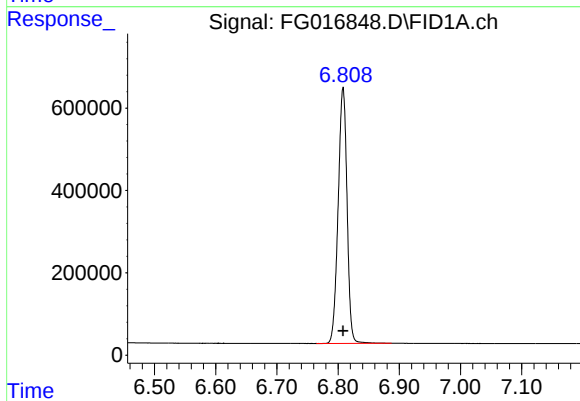
#2 n-Decane (C10)

R.T.: 4.627 min
Delta R.T.: 0.000 min
Response: 6178483
Conc: 47.72 ug/ml



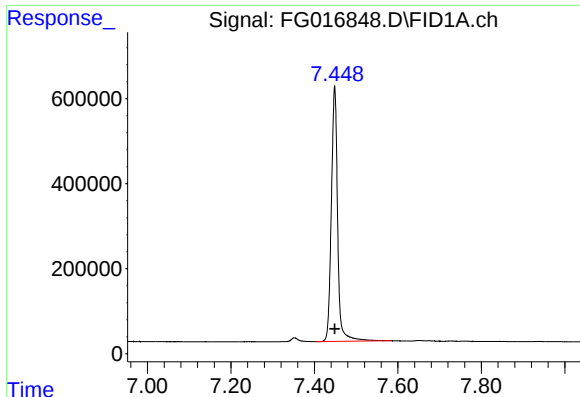
#3 A~Naphthalene (C11.7)

R.T.: 6.345 min
Delta R.T.: 0.000 min
Response: 6612393
Conc: 48.05 ug/ml



#4 n-Dodecane (C12)

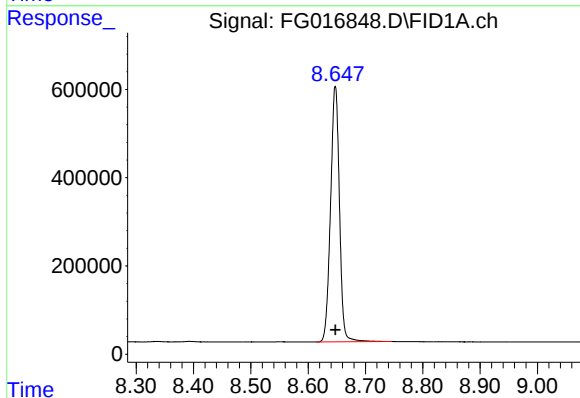
R.T.: 6.808 min
Delta R.T.: 0.000 min
Response: 6271118
Conc: 47.28 ug/ml



#5 A~2-methylnaphthalene (C12.89)

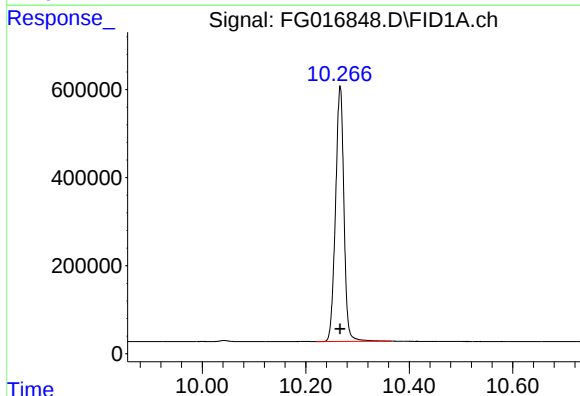
R.T.: 7.449 min
Delta R.T.: 0.000 min
Response: 6282755
Conc: 47.79 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



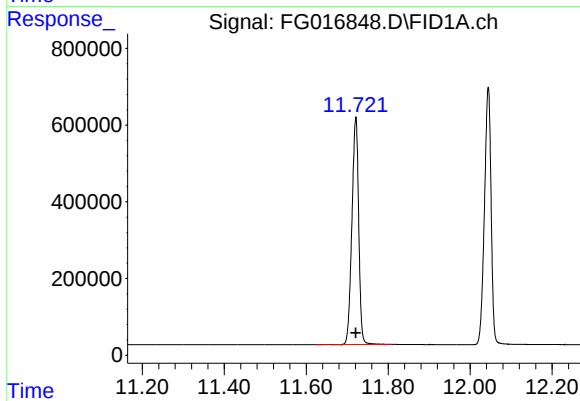
#6 n-Tetradecane (C14)

R.T.: 8.648 min
Delta R.T.: 0.000 min
Response: 6252076
Conc: 47.39 ug/ml



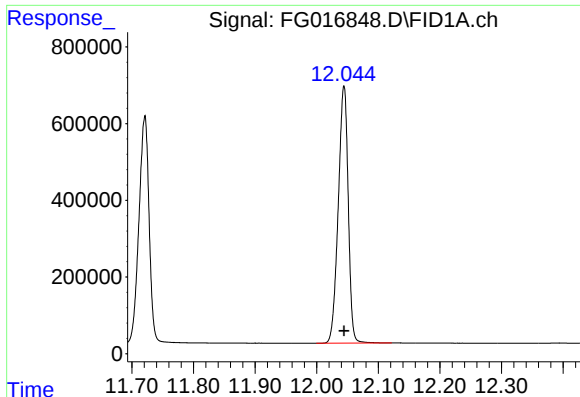
#7 n-Hexadecane (C16)

R.T.: 10.267 min
Delta R.T.: 0.000 min
Response: 6538603
Conc: 47.54 ug/ml



#8 n-Octadecane (C18)

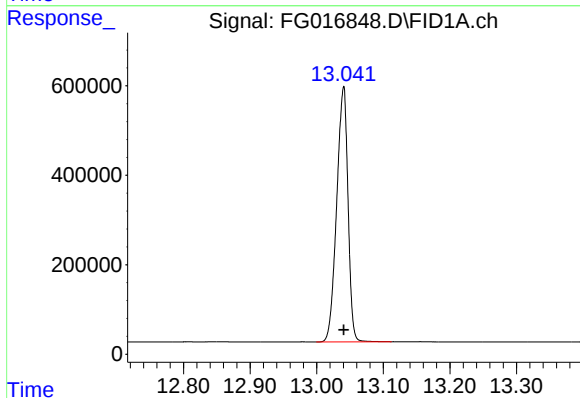
R.T.: 11.721 min
Delta R.T.: 0.000 min
Response: 6790694
Conc: 47.66 ug/ml



#9 ortho-Terphenyl (SURR)

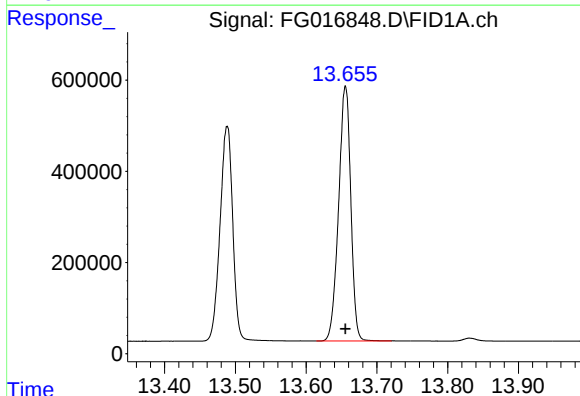
R.T.: 12.044 min
Delta R.T.: 0.000 min
Response: 7531998
Conc: 47.58 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



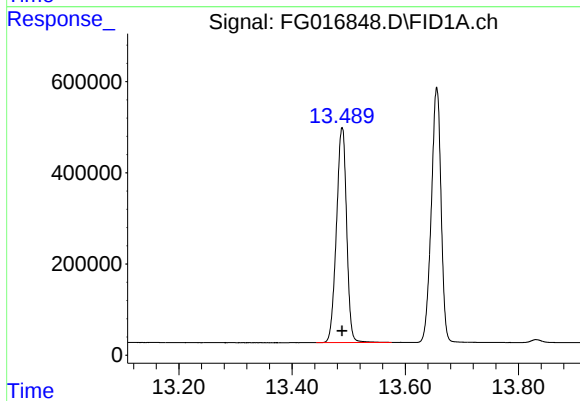
#10 n-Eicosane (C20)

R.T.: 13.040 min
Delta R.T.: 0.000 min
Response: 6721621
Conc: 47.88 ug/ml



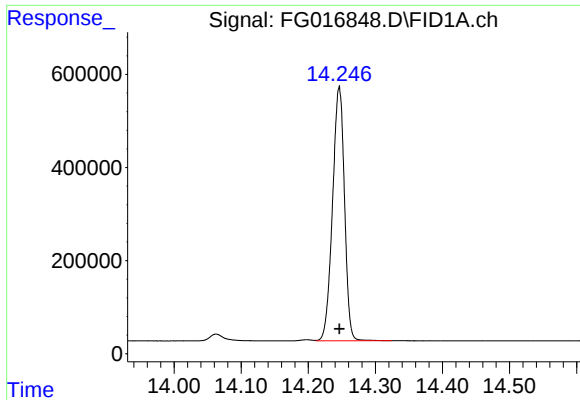
#11 n-Heneicosane (C21)

R.T.: 13.656 min
Delta R.T.: 0.000 min
Response: 6683285
Conc: 47.96 ug/ml



#12 1-chlorooctadecane (SURR)

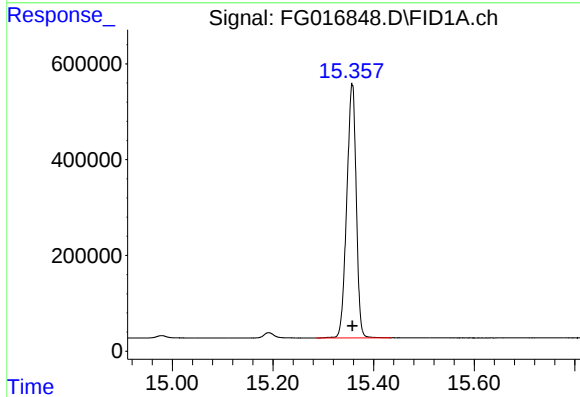
R.T.: 13.489 min
Delta R.T.: 0.000 min
Response: 5878008
Conc: 48.02 ug/ml



#13 n-Docosane (C22)

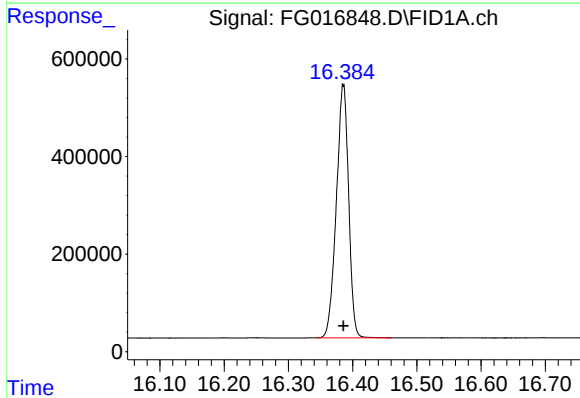
R.T.: 14.246 min
Delta R.T.: 0.000 min
Response: 6759846
Conc: 48.28 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



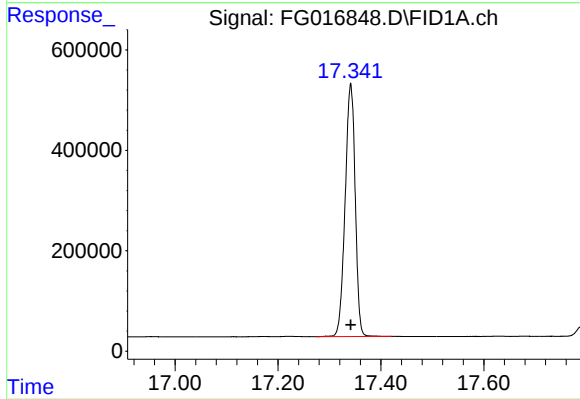
#14 n-Tetracosane (C24)

R.T.: 15.358 min
Delta R.T.: 0.000 min
Response: 6933085
Conc: 48.92 ug/ml



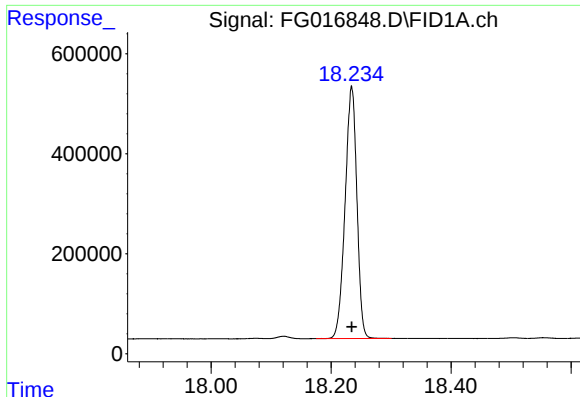
#15 n-Hexacosane (C26)

R.T.: 16.386 min
Delta R.T.: 0.000 min
Response: 6894790
Conc: 49.10 ug/ml



#16 n-Octacosane (C28)

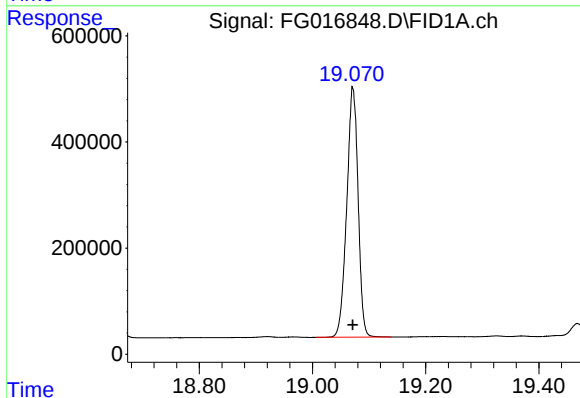
R.T.: 17.341 min
Delta R.T.: 0.000 min
Response: 6828706
Conc: 49.40 ug/ml



#17 n-Tricontane (C30)

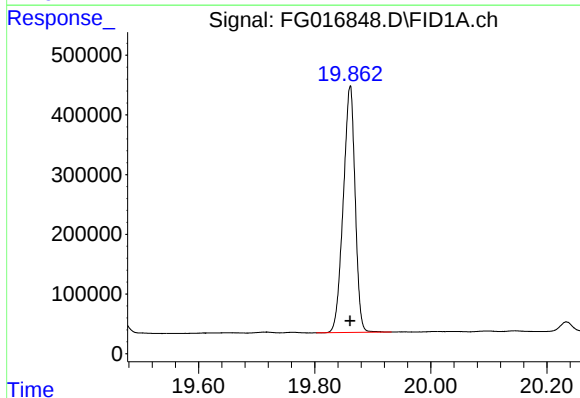
R.T.: 18.234 min
Delta R.T.: 0.000 min
Response: 6876786
Conc: 49.22 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



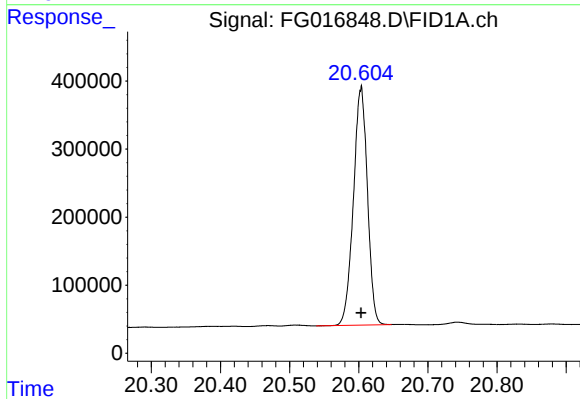
#18 n-Dotriacontane (C32)

R.T.: 19.071 min
Delta R.T.: 0.000 min
Response: 6568252
Conc: 49.32 ug/ml



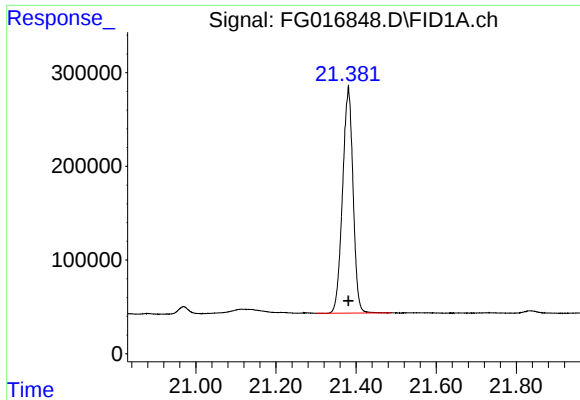
#19 n-Tetratriacontane (C34)

R.T.: 19.861 min
Delta R.T.: 0.000 min
Response: 5868504
Conc: 49.85 ug/ml



#20 n-Hexatriacontane (C36)

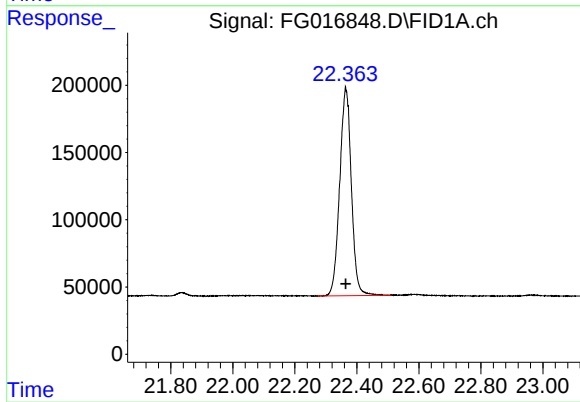
R.T.: 20.603 min
Delta R.T.: 0.000 min
Response: 4926509
Conc: 51.50 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.381 min
Delta R.T.: 0.000 min
Response: 4376085
Conc: 53.71 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 22.364 min
Delta R.T.: 0.000 min
Response: 4039444
Conc: 55.07 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102925AL\
 Data File : FG016848.D
 Signal(s) : FID1A.ch
 Acq On : 29 Oct 2025 14:35
 Sample : 50 PPM ALIPHATIC HC STD2
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.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	3.366	3.320	3.436	BB	623325	6042983	80.23%	4.384%
2	4.627	4.585	4.710	BB	623436	6178483	82.03%	4.482%
3	6.345	6.313	6.477	BB	654988	6612393	87.79%	4.797%
4	6.808	6.764	6.888	BB	621916	6271118	83.26%	4.549%
5	7.449	7.404	7.585	BB	601134	6282755	83.41%	4.557%
6	8.648	8.614	8.746	BB	578718	6252076	83.01%	4.535%
7	10.267	10.220	10.366	BB	579308	6538603	86.81%	4.743%
8	11.721	11.624	11.808	BB	591140	6790694	90.16%	4.926%
9	12.044	11.999	12.122	BB	670846	7531998	100.00%	5.464%
10	13.040	12.999	13.113	BB	571889	6721621	89.24%	4.876%
11	13.489	13.443	13.576	BB	470465	5878008	78.04%	4.264%
12	13.656	13.614	13.721	BB	559258	6683285	88.73%	4.848%
13	14.246	14.212	14.324	VB	544753	6759846	89.75%	4.904%
14	15.358	15.286	15.436	BB	528715	6933085	92.05%	5.029%
15	16.386	16.343	16.461	BB	515581	6894790	91.54%	5.001%
16	17.341	17.274	17.421	BB	504682	6828706	90.66%	4.954%
17	18.234	18.175	18.301	BB	504187	6876786	91.30%	4.988%
18	19.071	19.007	19.140	BB	470108	6568252	87.20%	4.765%
19	19.861	19.803	19.933	BB	412300	5868504	77.91%	4.257%
20	20.603	20.538	20.648	BB	348001	4926509	65.41%	3.574%
21	21.381	21.300	21.489	BB	240649	4376085	58.10%	3.174%
22	22.364	22.269	22.512	BB	155118	4039444	53.63%	2.930%
Sum of corrected areas:						137856024		

Aliphatic EPH 102925.M Thu Oct 30 04:23:48 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102925AL\
 Data File : FG016849.D
 Signal(s) : FID1A.ch
 Acq On : 29 Oct 2025 15:04
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD3
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
 Quant Time: Oct 29 15:59:56 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 29 15:59:42 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.040	2941633	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
12) S 1-chlorooctadecane (S...	13.485	2246048	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T n-Nonane (C9)	3.366	2372266	20.000 ug/ml
2) T n-Decane (C10)	4.626	2424932	20.000 ug/ml
3) T A~Naphthalene (C11.7)	6.344	2492344	20.000 ug/ml
4) T n-Dodecane (C12)	6.806	2457097	20.000 ug/ml
5) T A~2-methylnaphthalene...	7.447	2312070	20.000 ug/ml
6) T n-Tetradecane (C14)	8.646	2412151	20.000 ug/ml
7) T n-Hexadecane (C16)	10.263	2508377	20.000 ug/ml
8) T n-Octadecane (C18)	11.717	2624333	20.000 ug/ml
10) T n-Eicosane (C20)	13.036	2598091	20.000 ug/ml
11) T n-Heneicosane (C21)	13.652	2582256	20.000 ug/ml
13) T n-Docosane (C22)	14.242	2582634	20.000 ug/ml
14) T n-Tetracosane (C24)	15.354	2595371	20.000 ug/ml
15) T n-Hexacosane (C26)	16.382	2571602	20.000 ug/ml
16) T n-Octacosane (C28)	17.339	2528828	20.000 ug/ml
17) T n-Tricontane (C30)	18.233	2587123	20.000 ug/ml
18) T n-Dotriacontane (C32)	19.069	2492426	20.000 ug/ml
19) T n-Tetratriacontane (C34)	19.858	2248838	20.000 ug/ml
20) T n-Hexatriacontane (C36)	20.602	1908352	20.000 ug/ml
21) T n-Octatriacontane (C38)	21.379	1678792	20.000 ug/ml
22) T n-Tetracontane (C40)	22.363	1516572	20.000 ug/ml

(f)=RT Delta > 1/2 Window

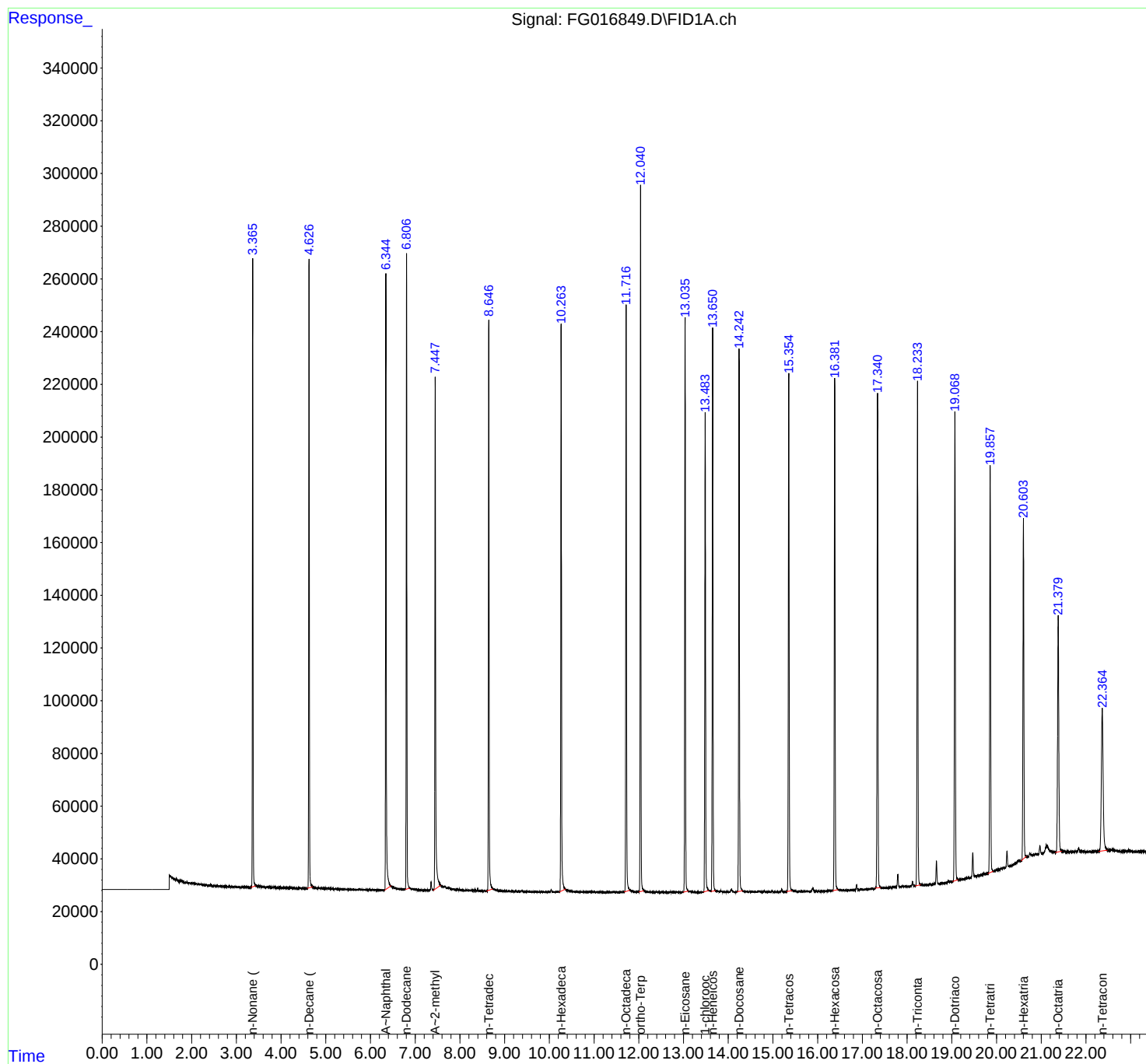
(m)=manual int.

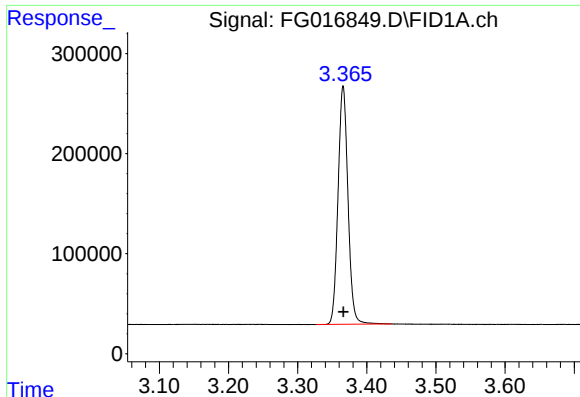
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102925AL\
Data File : FG016849.D
Signal(s) : FID1A.ch
Acq On : 29 Oct 2025 15:04
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Oct 29 15:59:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 15:59:42 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 u1
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

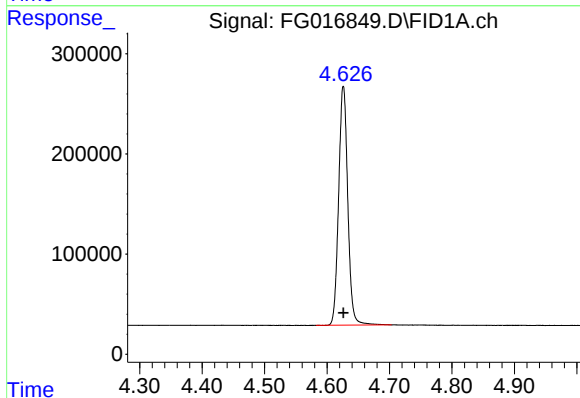




#1 n-Nonane (C9)

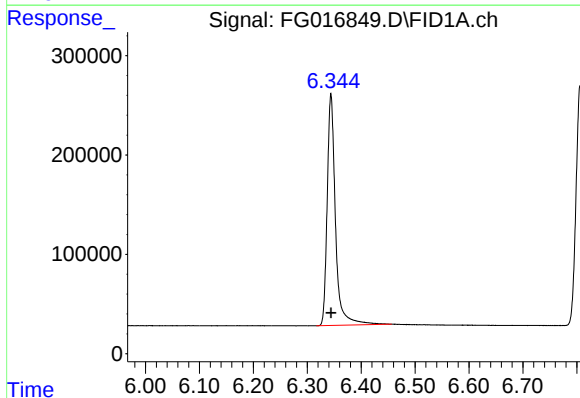
R.T.: 3.366 min
Delta R.T.: 0.000 min
Response: 2372266
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



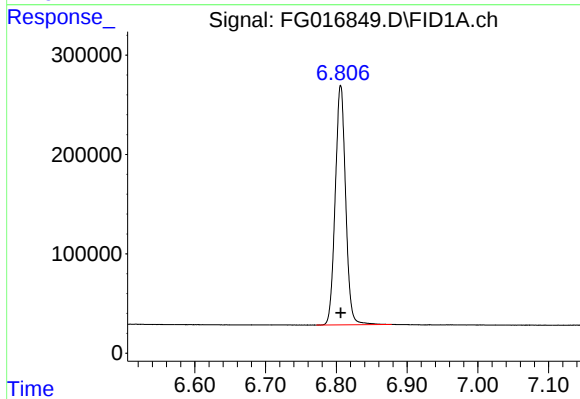
#2 n-Decane (C10)

R.T.: 4.626 min
Delta R.T.: 0.000 min
Response: 2424932
Conc: 20.00 ug/ml



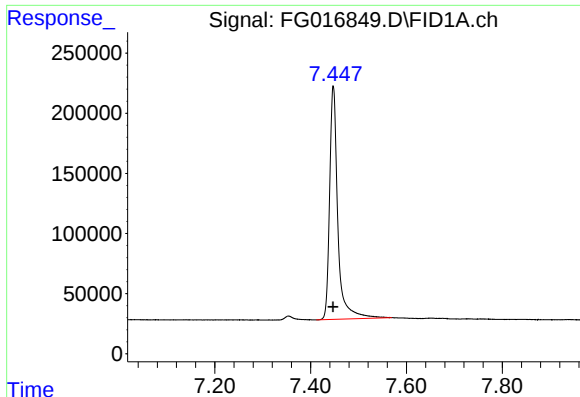
#3 A~Naphthalene (C11.7)

R.T.: 6.344 min
Delta R.T.: 0.000 min
Response: 2492344
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

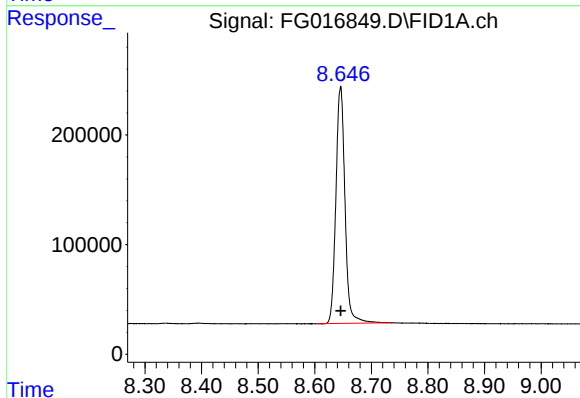
R.T.: 6.806 min
Delta R.T.: 0.000 min
Response: 2457097
Conc: 20.00 ug/ml



#5 A~2-methylnaphthalene (C12.89)

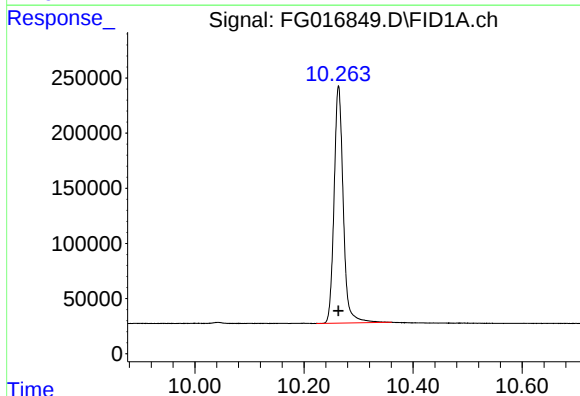
R.T.: 7.447 min
Delta R.T.: 0.000 min
Response: 2312070
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



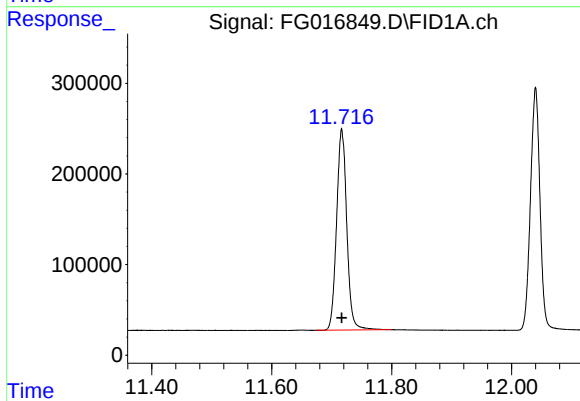
#6 n-Tetradecane (C14)

R.T.: 8.646 min
Delta R.T.: 0.000 min
Response: 2412151
Conc: 20.00 ug/ml



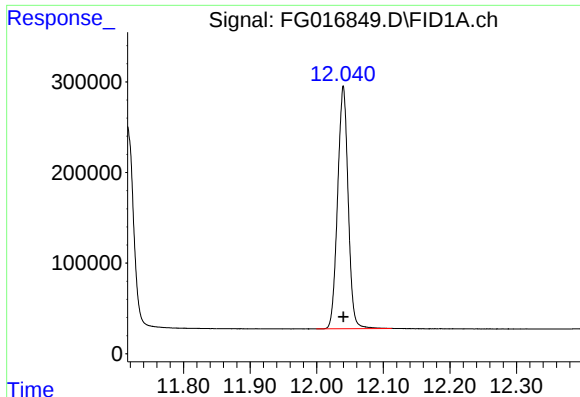
#7 n-Hexadecane (C16)

R.T.: 10.263 min
Delta R.T.: 0.000 min
Response: 2508377
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

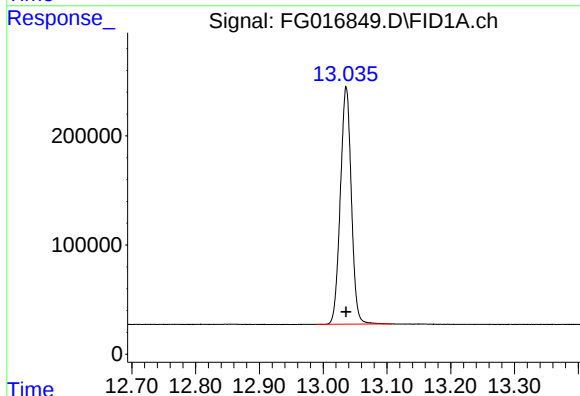
R.T.: 11.717 min
Delta R.T.: 0.000 min
Response: 2624333
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

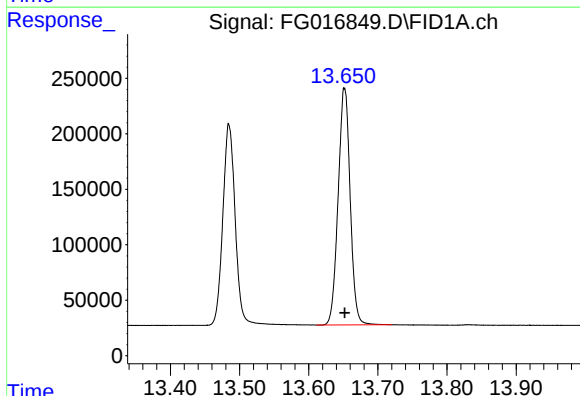
R.T.: 12.040 min
Delta R.T.: 0.000 min
Response: 2941633
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



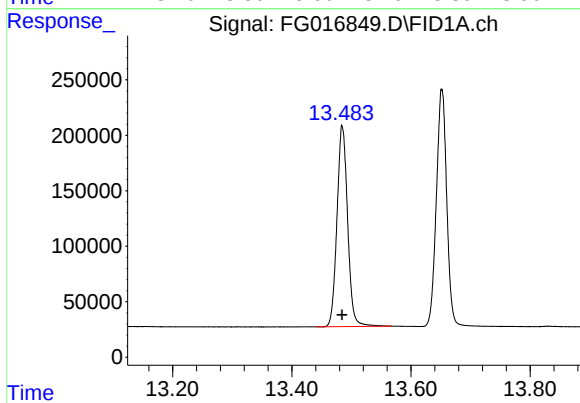
#10 n-Eicosane (C20)

R.T.: 13.036 min
Delta R.T.: 0.000 min
Response: 2598091
Conc: 20.00 ug/ml



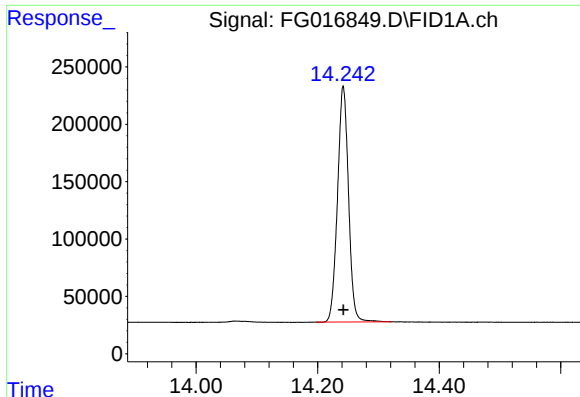
#11 n-Heneicosane (C21)

R.T.: 13.652 min
Delta R.T.: 0.000 min
Response: 2582256
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

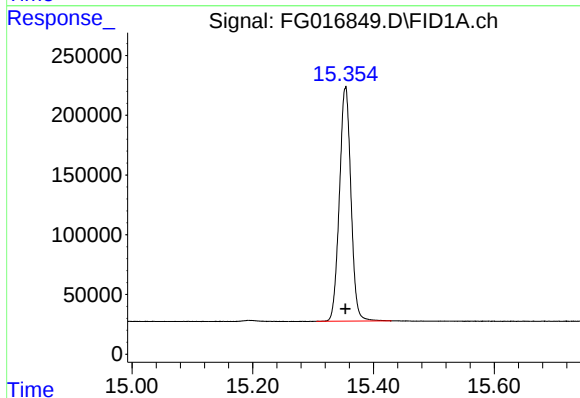
R.T.: 13.485 min
Delta R.T.: 0.000 min
Response: 2246048
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

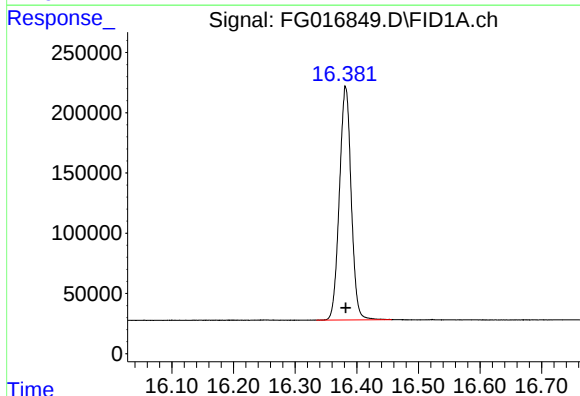
R.T.: 14.242 min
Delta R.T.: 0.000 min
Response: 2582634
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



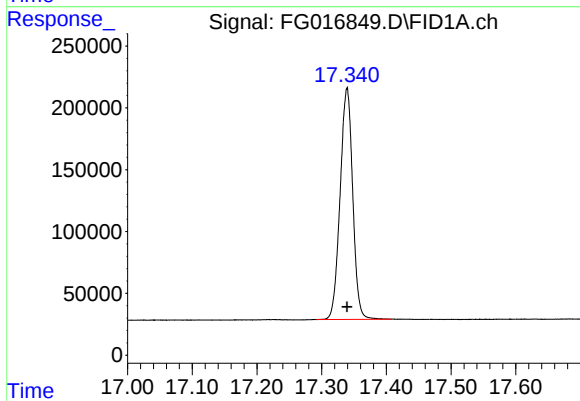
#14 n-Tetracosane (C24)

R.T.: 15.354 min
Delta R.T.: 0.000 min
Response: 2595371
Conc: 20.00 ug/ml



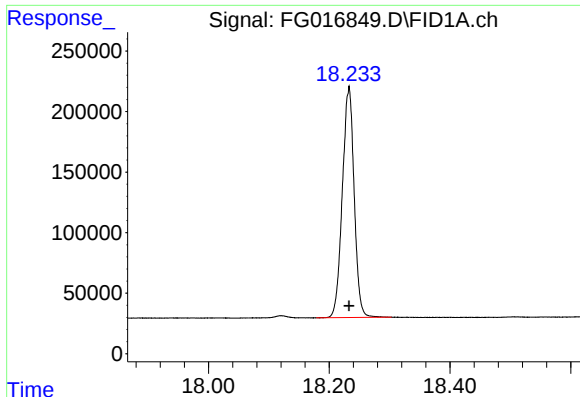
#15 n-Hexacosane (C26)

R.T.: 16.382 min
Delta R.T.: 0.000 min
Response: 2571602
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

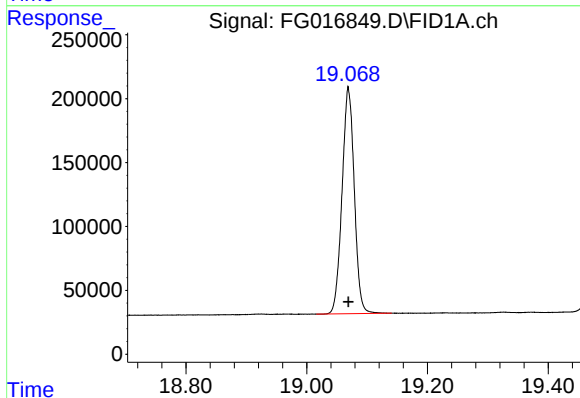
R.T.: 17.339 min
Delta R.T.: 0.000 min
Response: 2528828
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

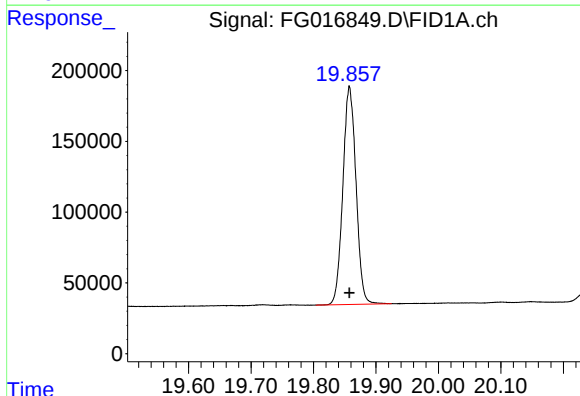
R.T.: 18.233 min
Delta R.T.: 0.000 min
Response: 2587123
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



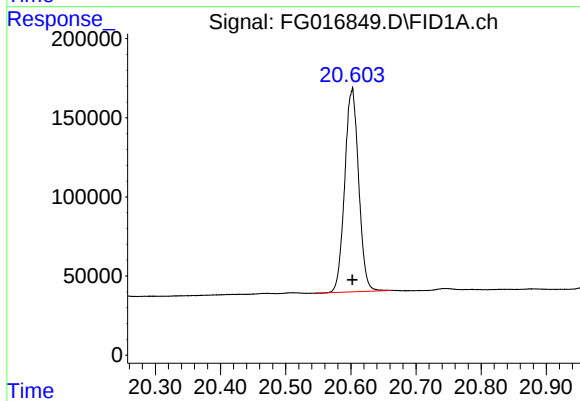
#18 n-Dotriacontane (C32)

R.T.: 19.069 min
Delta R.T.: 0.000 min
Response: 2492426
Conc: 20.00 ug/ml



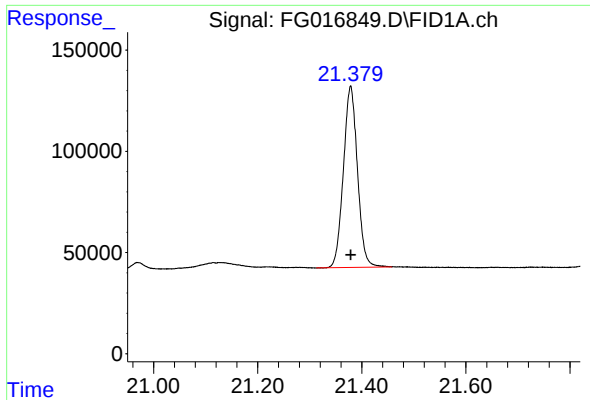
#19 n-Tetratriacontane (C34)

R.T.: 19.858 min
Delta R.T.: 0.000 min
Response: 2248838
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

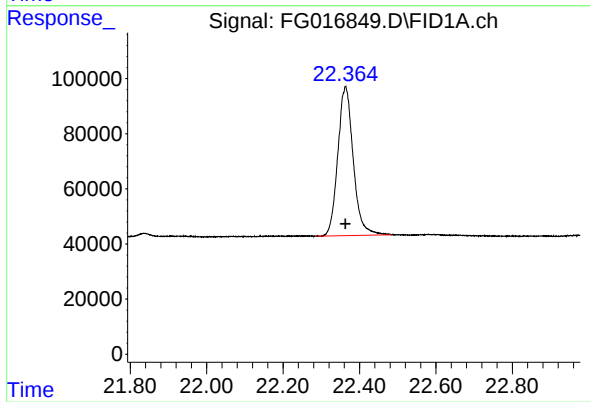
R.T.: 20.602 min
Delta R.T.: 0.000 min
Response: 1908352
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.379 min
Delta R.T.: 0.000 min
Response: 1678792
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 22.363 min
Delta R.T.: 0.000 min
Response: 1516572
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102925AL\
 Data File : FG016849.D
 Signal(s) : FID1A.ch
 Acq On : 29 Oct 2025 15:04
 Sample : 20 PPM ALIPHATIC HC STD3
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.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	3.366	3.327	3.436	BB	238274	2372266	80.64%	4.503%
2	4.626	4.583	4.703	BB	238637	2424932	82.43%	4.603%
3	6.344	6.317	6.457	BB	233236	2492344	84.73%	4.731%
4	6.806	6.772	6.878	BB	241132	2457097	83.53%	4.664%
5	7.447	7.412	7.569	BB	193856	2312070	78.60%	4.389%
6	8.646	8.603	8.736	BB	216212	2412151	82.00%	4.579%
7	10.263	10.223	10.361	BB	215133	2508377	85.27%	4.761%
8	11.717	11.674	11.800	BB	222275	2624333	89.21%	4.981%
9	12.040	11.999	12.113	BB	267964	2941633	100.00%	5.584%
10	13.036	12.989	13.108	BB	217473	2598091	88.32%	4.932%
11	13.485	13.441	13.568	BB	180339	2246048	76.35%	4.263%
12	13.652	13.611	13.720	BB	212743	2582256	87.78%	4.902%
13	14.242	14.198	14.322	BB	205649	2582634	87.80%	4.902%
14	15.354	15.305	15.430	BB	195159	2595371	88.23%	4.926%
15	16.382	16.334	16.457	BB	193497	2571602	87.42%	4.881%
16	17.339	17.292	17.408	BB	186749	2528828	85.97%	4.800%
17	18.233	18.178	18.303	BB	190216	2587123	87.95%	4.911%
18	19.069	19.016	19.141	BB	177059	2492426	84.73%	4.731%
19	19.858	19.804	19.925	BB	154267	2248838	76.45%	4.269%
20	20.602	20.547	20.663	BB	128551	1908352	64.87%	3.622%
21	21.379	21.313	21.458	BB	89639	1678792	57.07%	3.187%
22	22.364	22.287	22.484	BB	54089	1516572	51.56%	2.879%
Sum of corrected areas:							52682136	

Aliphatic EPH 102925.M Thu Oct 30 04:25:06 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102925AL\
 Data File : FG016850.D
 Signal(s) : FID1A.ch
 Acq On : 29 Oct 2025 15:34
 Operator : YP\AJ
 Sample : 10 PPM ALIPHATIC HC STD4
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
 Quant Time: Oct 29 16:07:03 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 29 15:59:42 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.039	1540407	9.797 ug/ml
Spiked Amount 50.000		Recovery =	19.59%
12) S 1-chlorooctadecane (S...	13.484	1159523	9.599 ug/ml
Spiked Amount 50.000		Recovery =	19.20%
Target Compounds			
1) T n-Nonane (C9)	3.365	1227509	9.888 ug/ml
2) T n-Decane (C10)	4.625	1247197	9.722 ug/ml
3) T A~Naphthalene (C11.7)	6.344	1241007	9.245 ug/ml
4) T n-Dodecane (C12)	6.805	1263581	9.641 ug/ml
5) T A~2-methylnaphthalene...	7.448	1107098	8.767 ug/ml
6) T n-Tetradecane (C14)	8.645	1226376	9.463 ug/ml
7) T n-Hexadecane (C16)	10.264	1257832	9.344 ug/ml
8) T n-Octadecane (C18)	11.716	1342945	9.563 ug/ml
10) T n-Eicosane (C20)	13.035	1359854	9.763 ug/ml
11) T n-Heneicosane (C21)	13.650	1357956	9.807 ug/ml
13) T n-Docosane (C22)	14.242	1388013	9.935 ug/ml
14) T n-Tetracosane (C24)	15.353	1422731	10.030 ug/ml
15) T n-Hexacosane (C26)	16.382	1429320	10.134 ug/ml
16) T n-Octacosane (C28)	17.338	1437422	10.296 ug/ml
17) T n-Tricontane (C30)	18.231	1500914	10.548 ug/ml
18) T n-Dotriacontane (C32)	19.069	1477442	10.799 ug/ml
19) T n-Tetratriacontane (C34)	19.859	1305571	10.796 ug/ml
20) T n-Hexatriacontane (C36)	20.601	1079984	10.937 ug/ml
21) T n-Octatriacontane (C38)	21.379	965119	11.323 ug/ml
22) T n-Tetracontane (C40)	22.364	858492	11.226 ug/ml

(f)=RT Delta > 1/2 Window

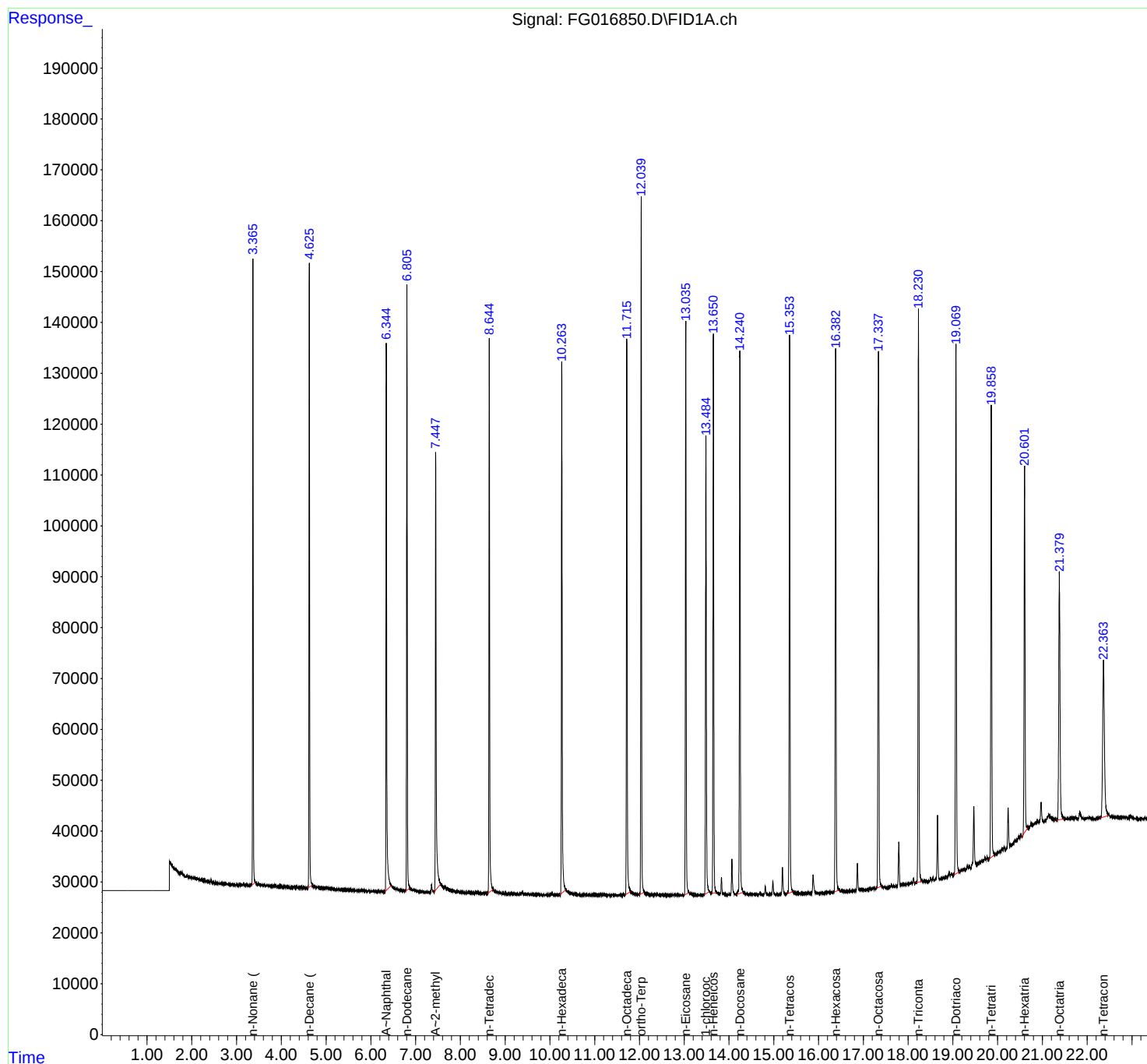
(m)=manual int.

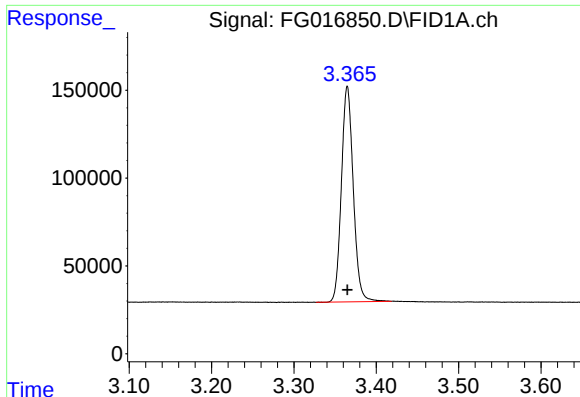
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102925AL\
Data File : FG016850.D
Signal(s) : FID1A.ch
Acq On : 29 Oct 2025 15:34
Operator : YP\AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Oct 29 16:07:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 15:59:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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

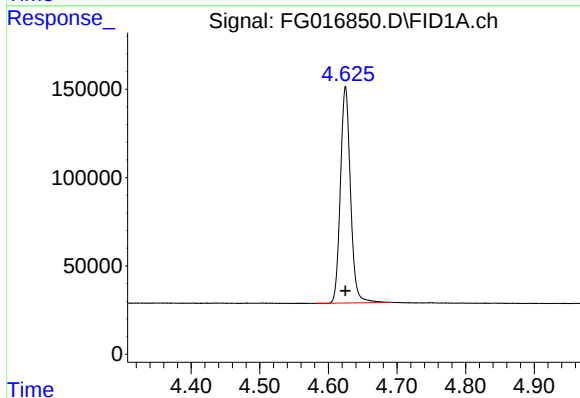




#1 n-Nonane (C9)

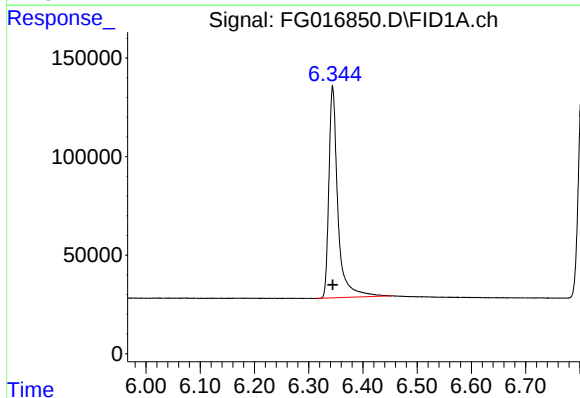
R.T.: 3.365 min
Delta R.T.: 0.000 min
Response: 1227509
Conc: 9.89 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4



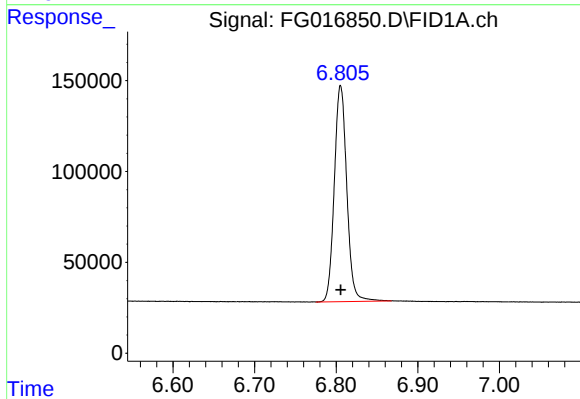
#2 n-Decane (C10)

R.T.: 4.625 min
Delta R.T.: 0.000 min
Response: 1247197
Conc: 9.72 ug/ml



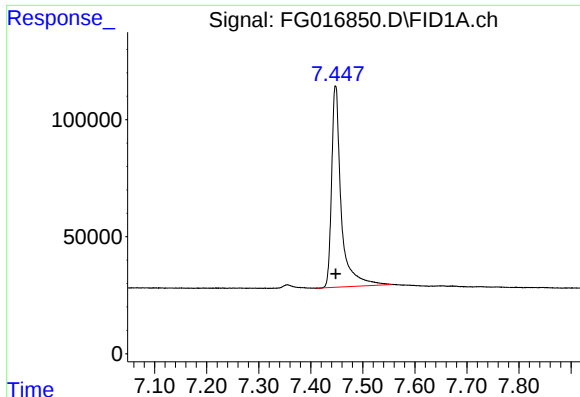
#3 A~Naphthalene (C11.7)

R.T.: 6.344 min
Delta R.T.: 0.000 min
Response: 1241007
Conc: 9.25 ug/ml



#4 n-Dodecane (C12)

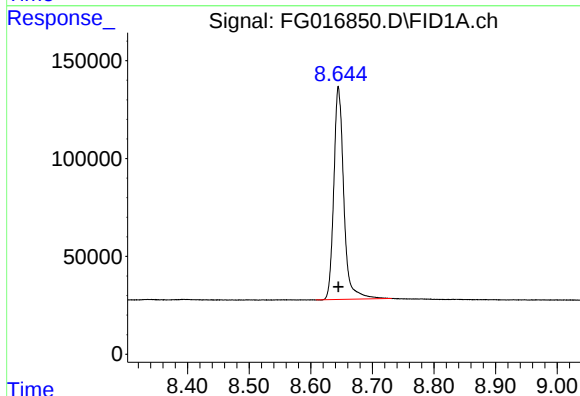
R.T.: 6.805 min
Delta R.T.: 0.000 min
Response: 1263581
Conc: 9.64 ug/ml



#5 A~2-methylnaphthalene (C12.89)

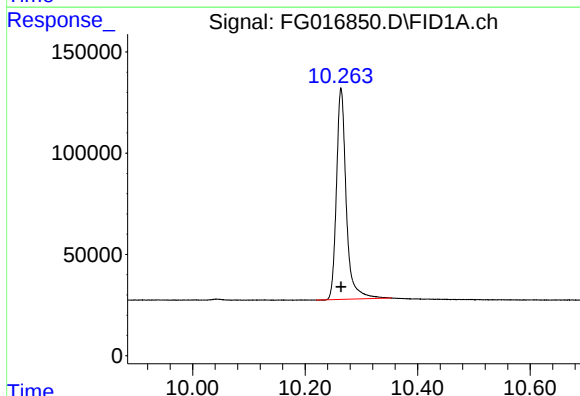
R.T.: 7.448 min
Delta R.T.: 0.000 min
Response: 1107098
Conc: 8.77 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4



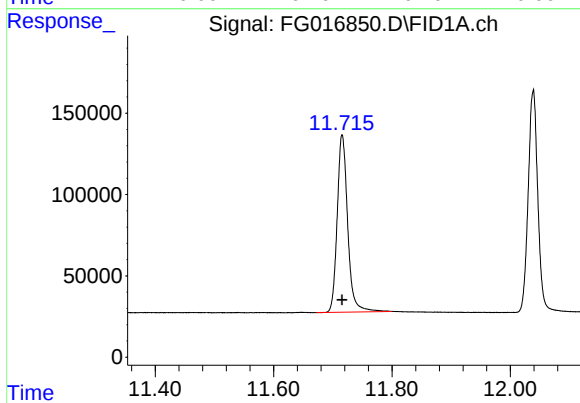
#6 n-Tetradecane (C14)

R.T.: 8.645 min
Delta R.T.: 0.000 min
Response: 1226376
Conc: 9.46 ug/ml



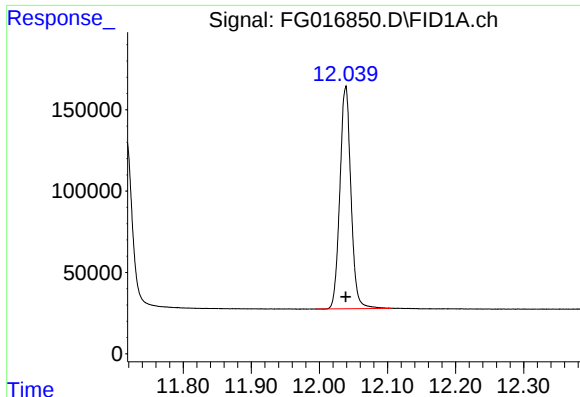
#7 n-Hexadecane (C16)

R.T.: 10.264 min
Delta R.T.: 0.000 min
Response: 1257832
Conc: 9.34 ug/ml



#8 n-Octadecane (C18)

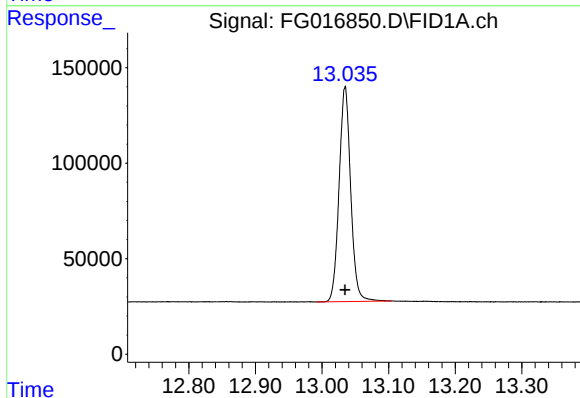
R.T.: 11.716 min
Delta R.T.: 0.000 min
Response: 1342945
Conc: 9.56 ug/ml



#9 ortho-Terphenyl (SURR)

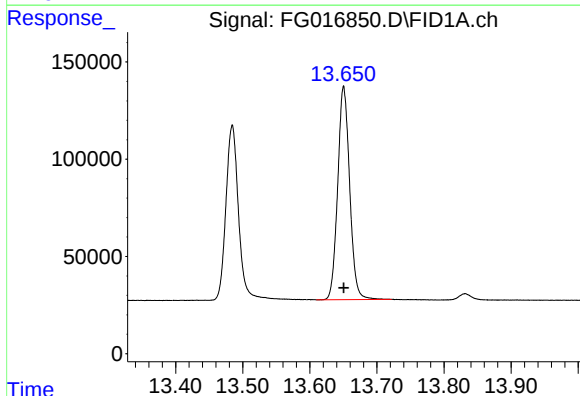
R.T.: 12.039 min
Delta R.T.: 0.000 min
Response: 1540407
Conc: 9.80 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4



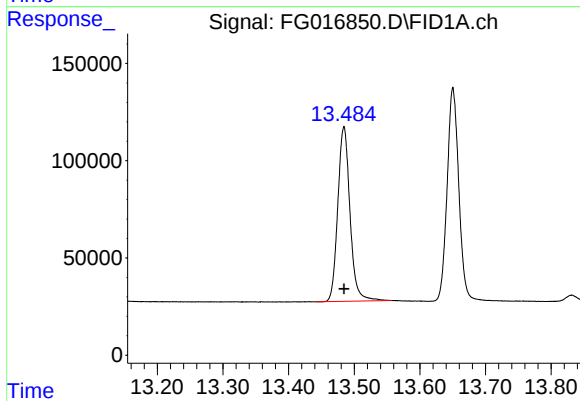
#10 n-Eicosane (C20)

R.T.: 13.035 min
Delta R.T.: 0.000 min
Response: 1359854
Conc: 9.76 ug/ml



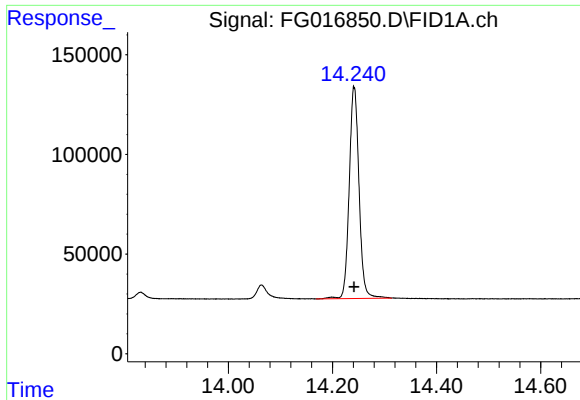
#11 n-Heneicosane (C21)

R.T.: 13.650 min
Delta R.T.: 0.000 min
Response: 1357956
Conc: 9.81 ug/ml



#12 1-chlorooctadecane (SURR)

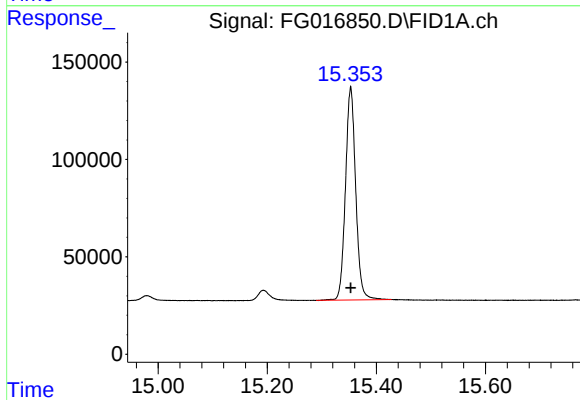
R.T.: 13.484 min
Delta R.T.: 0.000 min
Response: 1159523
Conc: 9.60 ug/ml



#13 n-Docosane (C22)

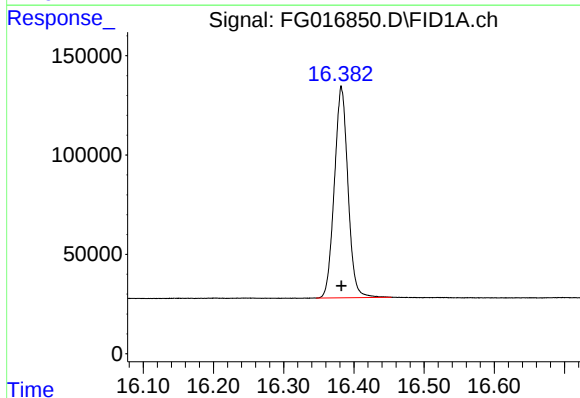
R.T.: 14.242 min
Delta R.T.: 0.000 min
Response: 1388013
Conc: 9.93 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4



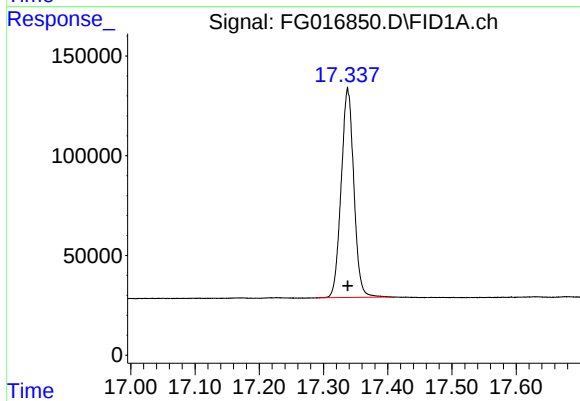
#14 n-Tetracosane (C24)

R.T.: 15.353 min
Delta R.T.: 0.000 min
Response: 1422731
Conc: 10.03 ug/ml



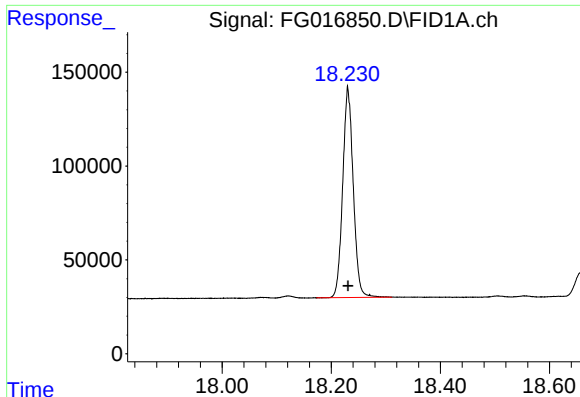
#15 n-Hexacosane (C26)

R.T.: 16.382 min
Delta R.T.: 0.000 min
Response: 1429320
Conc: 10.13 ug/ml



#16 n-Octacosane (C28)

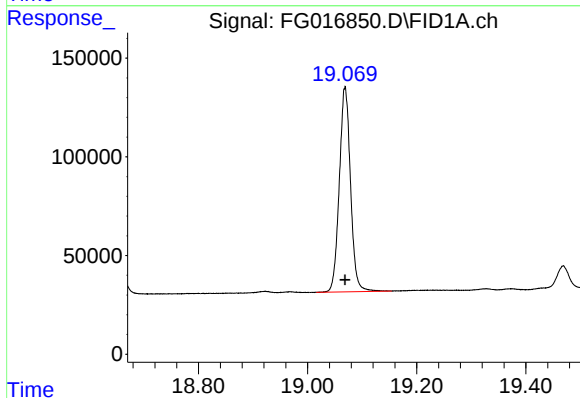
R.T.: 17.338 min
Delta R.T.: 0.000 min
Response: 1437422
Conc: 10.30 ug/ml



#17 n-Tricontane (C30)

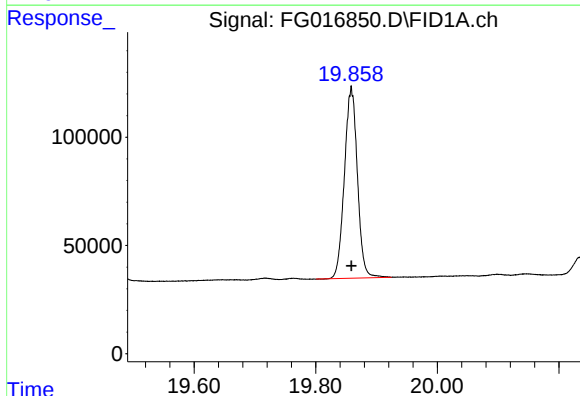
R.T.: 18.231 min
Delta R.T.: 0.000 min
Response: 1500914
Conc: 10.55 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4



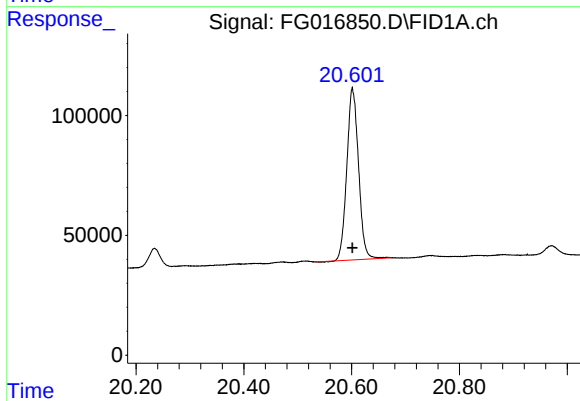
#18 n-Dotriacontane (C32)

R.T.: 19.069 min
Delta R.T.: 0.000 min
Response: 1477442
Conc: 10.80 ug/ml



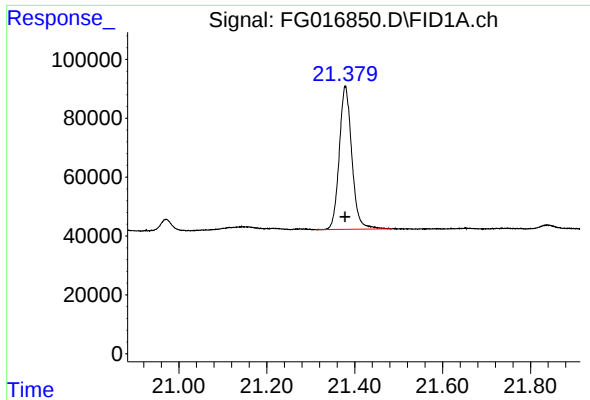
#19 n-Tetratriacontane (C34)

R.T.: 19.859 min
Delta R.T.: 0.000 min
Response: 1305571
Conc: 10.80 ug/ml



#20 n-Hexatriacontane (C36)

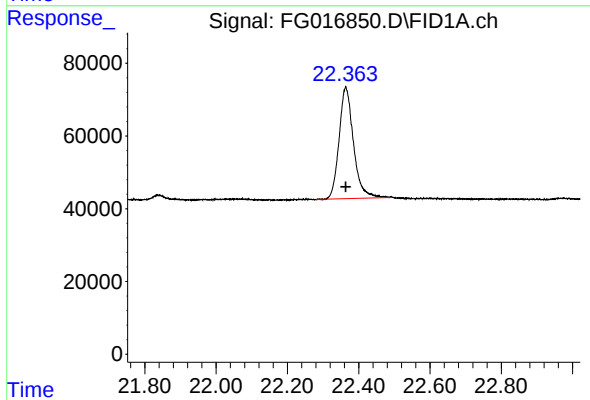
R.T.: 20.601 min
Delta R.T.: 0.000 min
Response: 1079984
Conc: 10.94 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.379 min
Delta R.T.: 0.000 min
Response: 965119
Conc: 11.32 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 22.364 min
Delta R.T.: 0.000 min
Response: 858492
Conc: 11.23 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102925AL\
Data File : FG016850.D
Signal(s) : FID1A.ch
Acq On : 29 Oct 2025 15:34
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 34 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.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	3.365	3.327	3.419	BB	123057	1227509	79.69%	4.353%
2	4.625	4.582	4.692	BB	122786	1247197	80.97%	4.423%
3	6.344	6.314	6.453	BB	106996	1241007	80.56%	4.401%
4	6.805	6.775	6.868	BB	118947	1263581	82.03%	4.481%
5	7.448	7.410	7.555	BB	85760	1107098	71.87%	3.926%
6	8.645	8.609	8.731	BB	108826	1226376	79.61%	4.349%
7	10.264	10.220	10.354	BB	104433	1257832	81.66%	4.461%
8	11.716	11.672	11.800	BB	109112	1342945	87.18%	4.763%
9	12.039	11.995	12.106	BB	136245	1540407	100.00%	5.463%
10	13.035	12.991	13.105	BB	112198	1359854	88.28%	4.823%
11	13.484	13.442	13.557	BB	89993	1159523	75.27%	4.112%
12	13.650	13.610	13.722	BB	109906	1357956	88.16%	4.816%
13	14.242	14.169	14.314	BB	105327	1388013	90.11%	4.923%
14	15.353	15.290	15.428	BB	109425	1422731	92.36%	5.046%
15	16.382	16.346	16.454	BB	106466	1429320	92.79%	5.069%
16	17.338	17.289	17.406	BB	104898	1437422	93.31%	5.098%
17	18.231	18.172	18.311	BB	111517	1500914	97.44%	5.323%
18	19.069	19.016	19.154	BB	104026	1477442	95.91%	5.240%
19	19.859	19.801	19.925	BB	88137	1305571	84.75%	4.630%
20	20.601	20.534	20.674	BB	71578	1079984	70.11%	3.830%
21	21.379	21.312	21.484	BB	48560	965119	62.65%	3.423%
22	22.364	22.281	22.492	BB	30871	858492	55.73%	3.045%
Sum of corrected areas:							28196296	

Aliphatic EPH 102925.M Thu Oct 30 04:25:54 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102925AL\
 Data File : FG016851.D
 Signal(s) : FID1A.ch
 Acq On : 29 Oct 2025 16:03
 Operator : YP\AJ
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
 Quant Time: Oct 29 16:21:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 29 16:20:58 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.038	803682	5.089 ug/ml
Spiked Amount 50.000		Recovery =	10.18%
12) S 1-chlorooctadecane (S...	13.485	594900	4.940 ug/ml
Spiked Amount 50.000		Recovery =	9.88%
Target Compounds			
1) T n-Nonane (C9)	3.366	631862	5.072 ug/ml
2) T n-Decane (C10)	4.626	634979	4.960 ug/ml
3) T A~Naphthalene (C11.7)	6.346	586359	4.481 ug/ml
4) T n-Dodecane (C12)	6.805	638302	4.896 ug/ml
5) T A~2-methylnaphthalene...	7.450	482946	4.013 ug/ml
6) T n-Tetradecane (C14)	8.645	601859	4.711 ug/ml
7) T n-Hexadecane (C16)	10.264	611242	4.626 ug/ml
8) T n-Octadecane (C18)	11.716	675251	4.846 ug/ml
10) T n-Eicosane (C20)	13.035	708892	5.072 ug/ml
11) T n-Heneicosane (C21)	13.651	706445	5.081 ug/ml
13) T n-Docosane (C22)	14.242	742660	5.249 ug/ml
14) T n-Tetracosane (C24)	15.353	838633	5.704 ug/ml
15) T n-Hexacosane (C26)	16.382	846912	5.773 ug/ml
16) T n-Octacosane (C28)	17.338	888097	6.033 ug/ml
17) T n-Tricontane (C30)	18.231	936866	6.192 ug/ml
18) T n-Dotriacontane (C32)	19.067	948772	6.436 ug/ml
19) T n-Tetratriacontane (C34)	19.856	802928	6.231 ug/ml
20) T n-Hexatriacontane (C36)	20.602	612734	5.920 ug/ml
21) T n-Octatriacontane (C38)	21.377	499378	5.664 ug/ml
22) T n-Tetracontane (C40)	22.366	427963	5.466 ug/ml

(f)=RT Delta > 1/2 Window

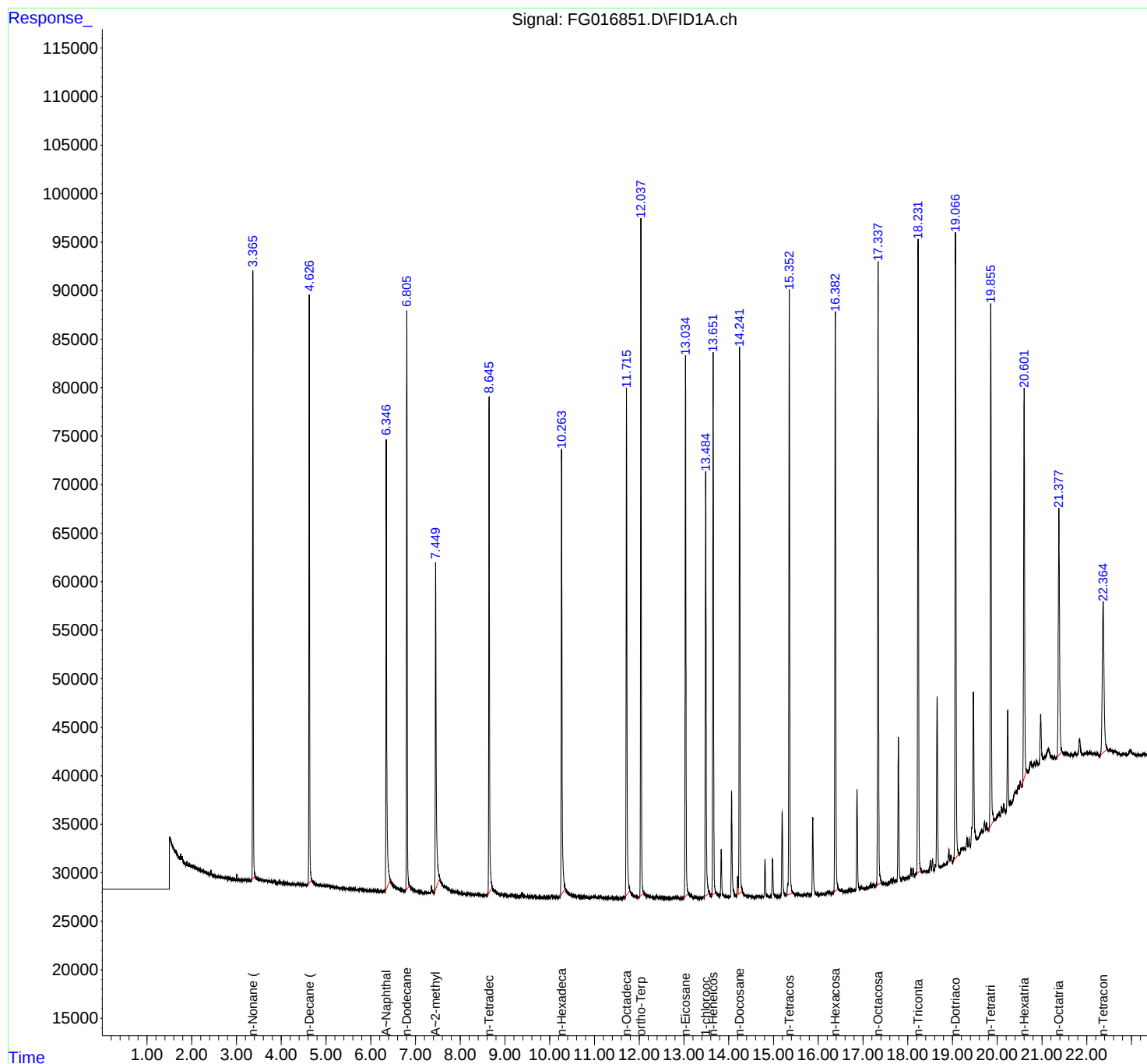
(m)=manual int.

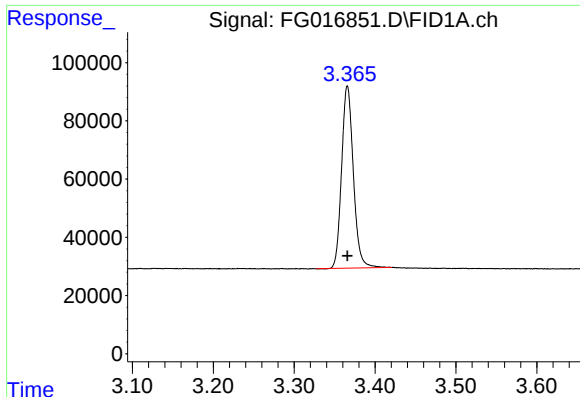
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102925AL\
Data File : FG016851.D
Signal(s) : FID1A.ch
Acq On : 29 Oct 2025 16:03
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Oct 29 16:21:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 16:20:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

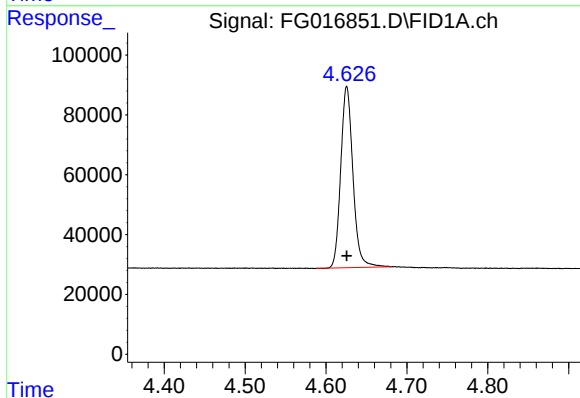




#1 n-Nonane (C9)

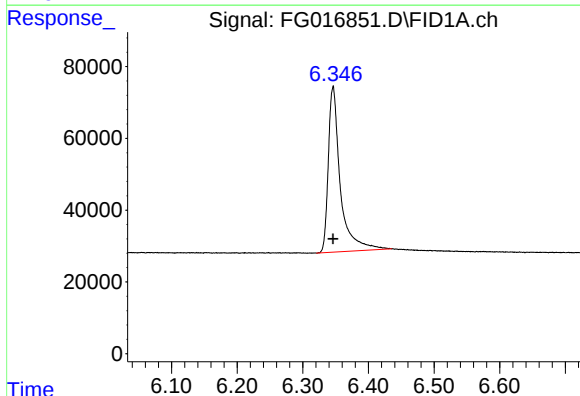
R.T.: 3.366 min
Delta R.T.: 0.000 min
Response: 631862
Conc: 5.07 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5



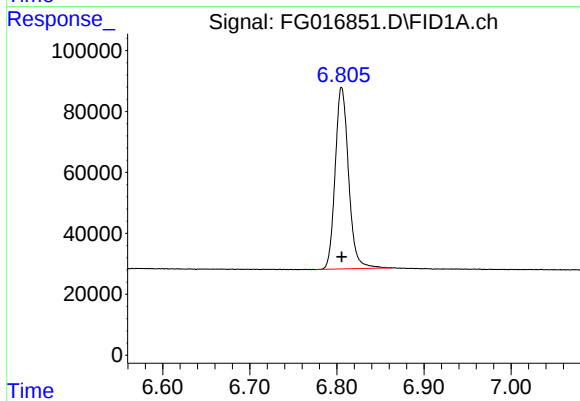
#2 n-Decane (C10)

R.T.: 4.626 min
Delta R.T.: 0.000 min
Response: 634979
Conc: 4.96 ug/ml



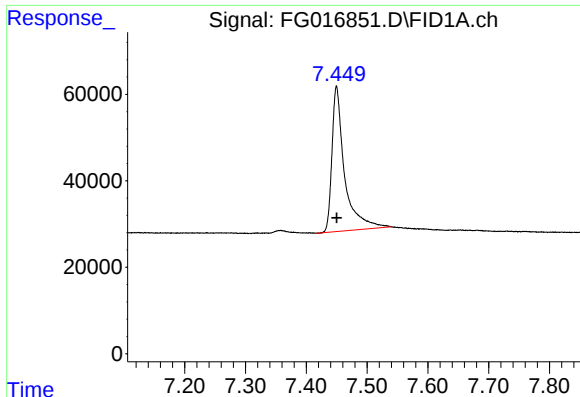
#3 A~Naphthalene (C11.7)

R.T.: 6.346 min
Delta R.T.: 0.000 min
Response: 586359
Conc: 4.48 ug/ml



#4 n-Dodecane (C12)

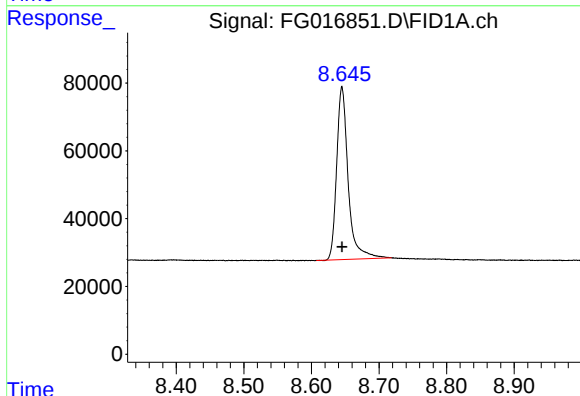
R.T.: 6.805 min
Delta R.T.: 0.000 min
Response: 638302
Conc: 4.90 ug/ml



#5 A~2-methylnaphthalene (C12.89)

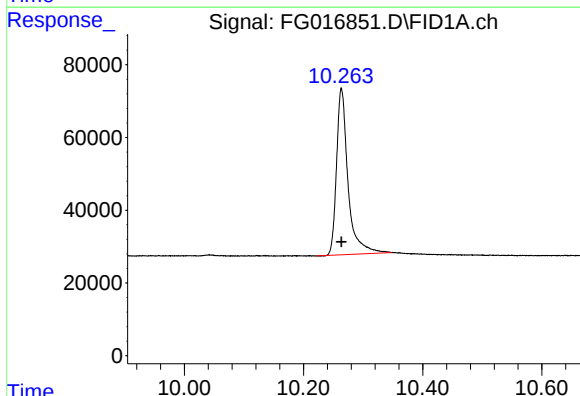
R.T.: 7.450 min
Delta R.T.: 0.000 min
Response: 482946
Conc: 4.01 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5



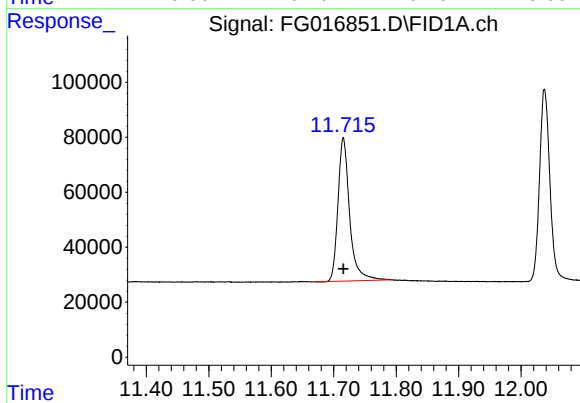
#6 n-Tetradecane (C14)

R.T.: 8.645 min
Delta R.T.: 0.000 min
Response: 601859
Conc: 4.71 ug/ml



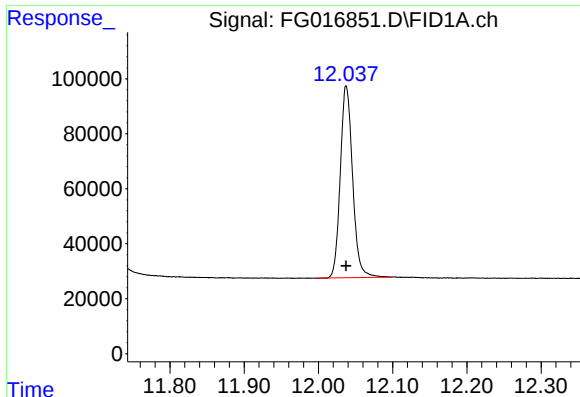
#7 n-Hexadecane (C16)

R.T.: 10.264 min
Delta R.T.: 0.000 min
Response: 611242
Conc: 4.63 ug/ml



#8 n-Octadecane (C18)

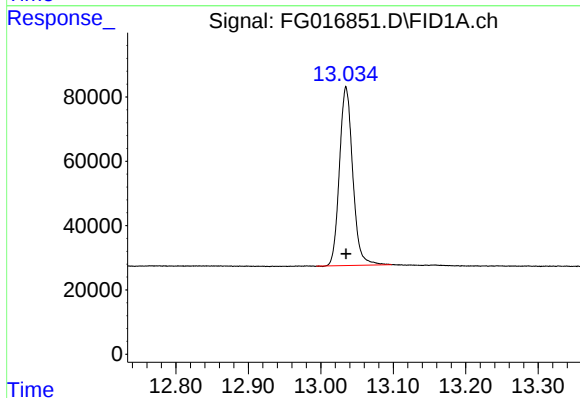
R.T.: 11.716 min
Delta R.T.: 0.000 min
Response: 675251
Conc: 4.85 ug/ml



#9 ortho-Terphenyl (SURR)

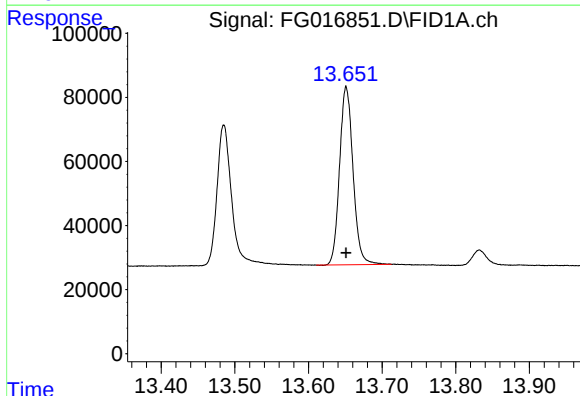
R.T.: 12.038 min
Delta R.T.: 0.000 min
Response: 803682
Conc: 5.09 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5



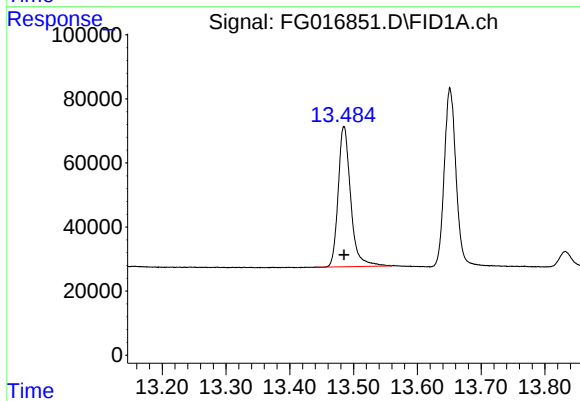
#10 n-Eicosane (C20)

R.T.: 13.035 min
Delta R.T.: 0.000 min
Response: 708892
Conc: 5.07 ug/ml



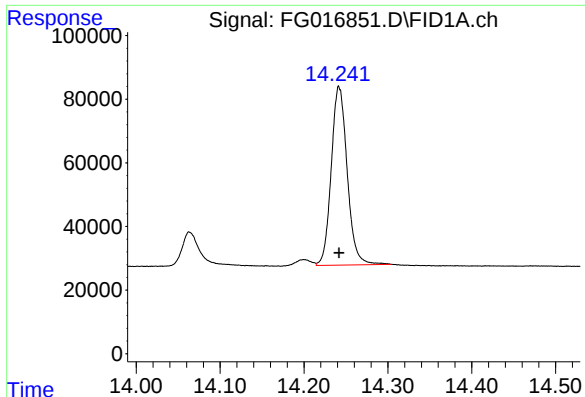
#11 n-Heneicosane (C21)

R.T.: 13.651 min
Delta R.T.: 0.000 min
Response: 706445
Conc: 5.08 ug/ml



#12 1-chlorooctadecane (SURR)

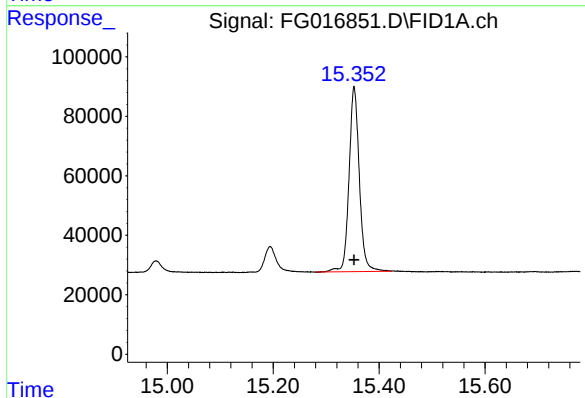
R.T.: 13.485 min
Delta R.T.: 0.000 min
Response: 594900
Conc: 4.94 ug/ml



#13 n-Docosane (C22)

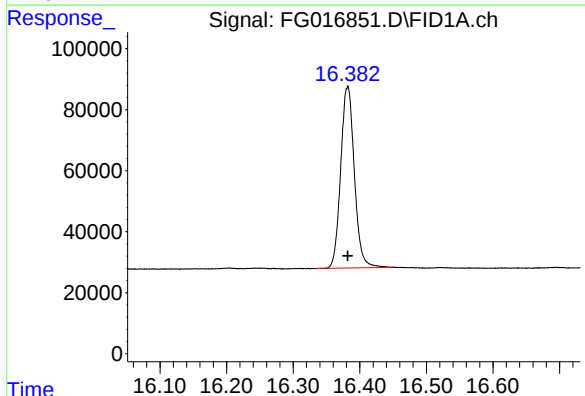
R.T.: 14.242 min
Delta R.T.: 0.000 min
Response: 742660
Conc: 5.25 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5



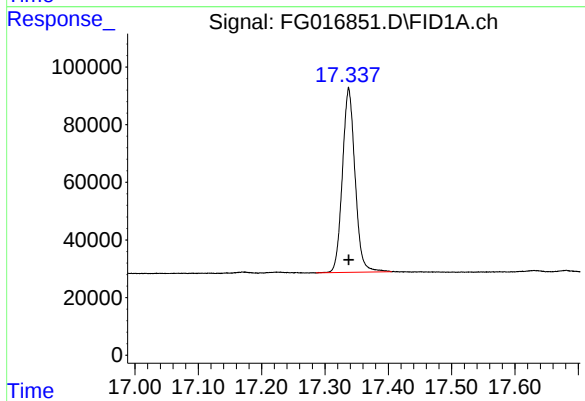
#14 n-Tetracosane (C24)

R.T.: 15.353 min
Delta R.T.: 0.000 min
Response: 838633
Conc: 5.70 ug/ml



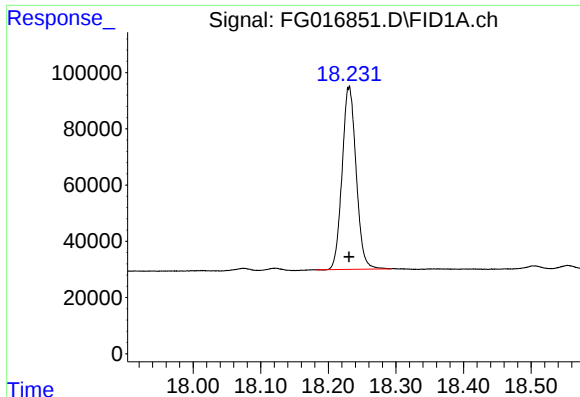
#15 n-Hexacosane (C26)

R.T.: 16.382 min
Delta R.T.: 0.000 min
Response: 846912
Conc: 5.77 ug/ml



#16 n-Octacosane (C28)

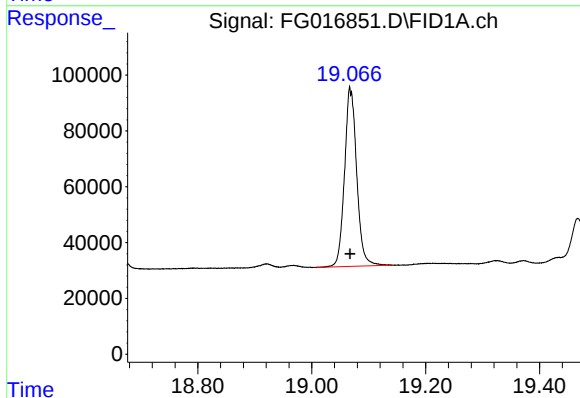
R.T.: 17.338 min
Delta R.T.: 0.000 min
Response: 888097
Conc: 6.03 ug/ml



#17 n-Tricontane (C30)

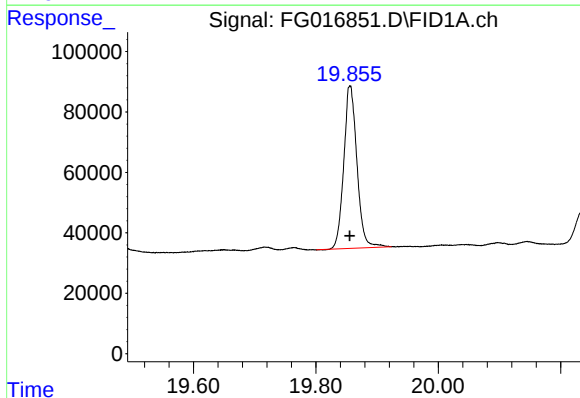
R.T.: 18.231 min
Delta R.T.: 0.000 min
Response: 936866
Conc: 6.19 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5



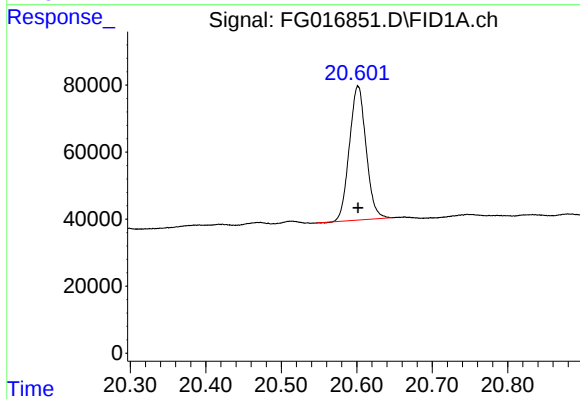
#18 n-Dotriacontane (C32)

R.T.: 19.067 min
Delta R.T.: 0.000 min
Response: 948772
Conc: 6.44 ug/ml



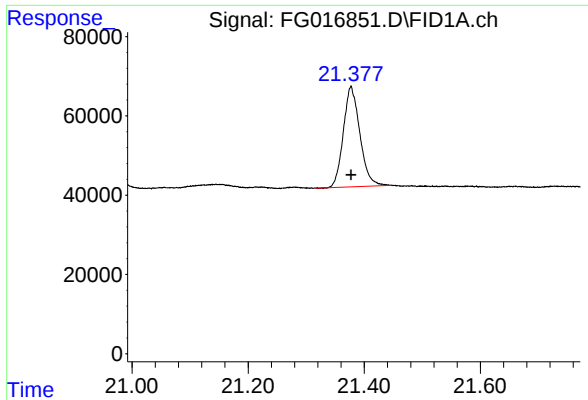
#19 n-Tetratriacontane (C34)

R.T.: 19.856 min
Delta R.T.: 0.000 min
Response: 802928
Conc: 6.23 ug/ml



#20 n-Hexatriacontane (C36)

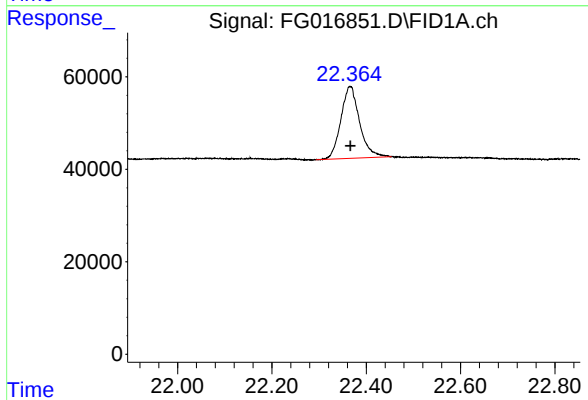
R.T.: 20.602 min
Delta R.T.: 0.000 min
Response: 612734
Conc: 5.92 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.377 min
Delta R.T.: 0.000 min
Response: 499378
Conc: 5.66 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 22.366 min
Delta R.T.: 0.000 min
Response: 427963
Conc: 5.47 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102925AL\
Data File : FG016851.D
Signal(s) : FID1A.ch
Acq On : 29 Oct 2025 16:03
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 35 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.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	3.366	3.327	3.420	BB	62632	631862	66.60%	4.151%
2	4.626	4.588	4.681	BB	60624	634979	66.93%	4.172%
3	6.346	6.320	6.435	BB	46240	586359	61.80%	3.852%
4	6.805	6.776	6.863	BB	59610	638302	67.28%	4.193%
5	7.450	7.416	7.540	BB	33672	482946	50.90%	3.173%
6	8.645	8.607	8.719	BB	51093	601859	63.44%	3.954%
7	10.264	10.221	10.348	BB	45795	611242	64.42%	4.016%
8	11.716	11.672	11.793	BB	52261	675251	71.17%	4.436%
9	12.038	11.997	12.099	BB	69789	803682	84.71%	5.280%
10	13.035	12.994	13.098	BB	55683	708892	74.72%	4.657%
11	13.485	13.441	13.560	BB	43734	594900	62.70%	3.908%
12	13.651	13.610	13.713	BB	55770	706445	74.46%	4.641%
13	14.242	14.215	14.305	VB	55947	742660	78.28%	4.879%
14	15.353	15.281	15.424	BB	62207	838633	88.39%	5.509%
15	16.382	16.335	16.448	BB	59622	846912	89.26%	5.564%
16	17.338	17.286	17.405	BB	63923	888097	93.60%	5.834%
17	18.231	18.182	18.294	BB	64427	936866	98.75%	6.155%
18	19.067	19.008	19.140	BB	63998	948772	100.00%	6.233%
19	19.856	19.800	19.924	BB	53761	802928	84.63%	5.275%
20	20.602	20.546	20.646	BB	39804	612734	64.58%	4.025%
21	21.377	21.317	21.447	BB	25353	499378	52.63%	3.281%
22	22.366	22.294	22.454	BB	15505	427963	45.11%	2.812%
Sum of corrected areas:							15221664	

Aliphatic EPH 102925.M Thu Oct 30 04:28:51 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102925AL\
 Data File : FG016852.D
 Signal(s) : FID1A.ch
 Acq On : 29 Oct 2025 16:33
 Operator : YP\AJ
 Sample : 100 PPM ALIPHATIC HC STD1
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
 Quant Time: Oct 29 17:28:56 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 29 16:21:47 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.050	13754034	87.089 ug/ml
Spiked Amount 50.000		Recovery =	174.18%
12) S 1-chlorooctadecane (S...	13.492	10715413	88.974 ug/ml
Spiked Amount 50.000		Recovery =	177.95%
Target Compounds			
1) T n-Nonane (C9)	3.368	11225657	90.101 ug/ml
2) T n-Decane (C10)	4.630	11442592	89.379 ug/ml
3) T A~Naphthalene (C11.7)	6.349	12390439	94.698 ug/ml
4) T n-Dodecane (C12)	6.812	11594218	88.923 ug/ml
5) T A~2-methylnaphthalene...	7.453	11900380	98.891 ug/ml
6) T n-Tetradecane (C14)	8.652	11527988	90.235 ug/ml
7) T n-Hexadecane (C16)	10.270	12035154	91.082 ug/ml
8) T n-Octadecane (C18)	11.726	12403190	89.004 ug/ml
10) T n-Eicosane (C20)	13.043	12210298	87.354 ug/ml
11) T n-Heneicosane (C21)	13.661	12146981	87.367 ug/ml
13) T n-Docosane (C22)	14.250	12192468	86.179 ug/ml
14) T n-Tetracosane (C24)	15.362	12325975	83.834 ug/ml
15) T n-Hexacosane (C26)	16.390	12235907	83.402 ug/ml
16) T n-Octacosane (C28)	17.346	11989038	81.442 ug/ml
17) T n-Tricontane (C30)	18.240	11942968	78.928 ug/ml
18) T n-Dotriacontane (C32)	19.077	11253133	76.341 ug/ml
19) T n-Tetratriacontane (C34)	19.865	10198592	79.141 ug/ml
20) T n-Hexatriacontane (C36)	20.608	8820263	85.216 ug/ml
21) T n-Octatriacontane (C38)	21.384	7917818	89.811 ug/ml
22) T n-Tetracontane (C40)	22.369	7331145	93.629 ug/ml

(f)=RT Delta > 1/2 Window

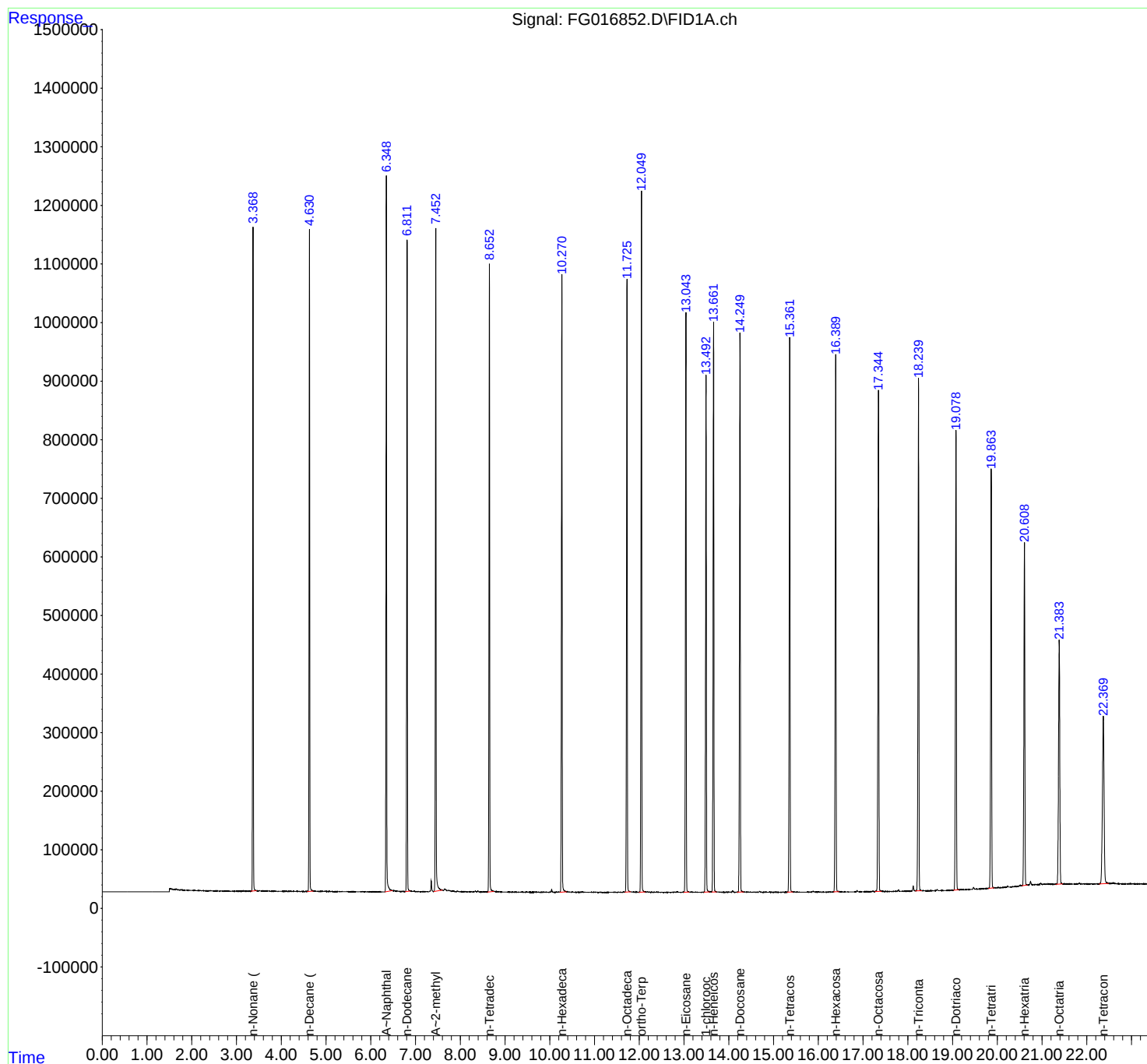
(m)=manual int.

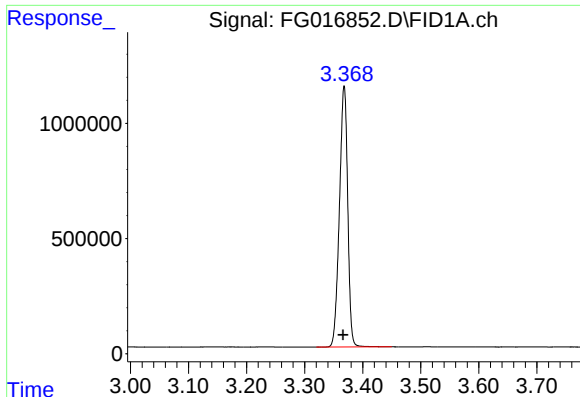
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102925AL\
Data File : FG016852.D
Signal(s) : FID1A.ch
Acq On : 29 Oct 2025 16:33
Operator : YP\AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Oct 29 17:28:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 16:21:47 2025
Response via : Initial Calibration
Integrator: ChemStation

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

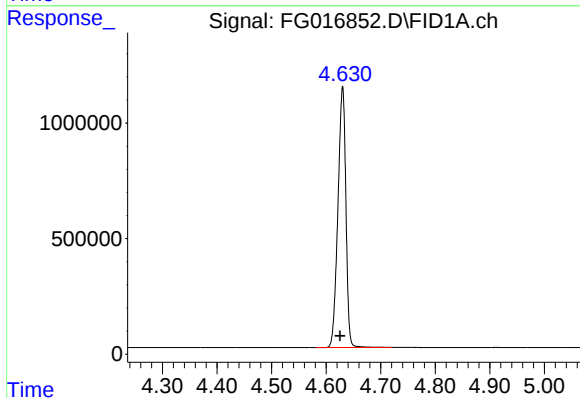




#1 n-Nonane (C9)

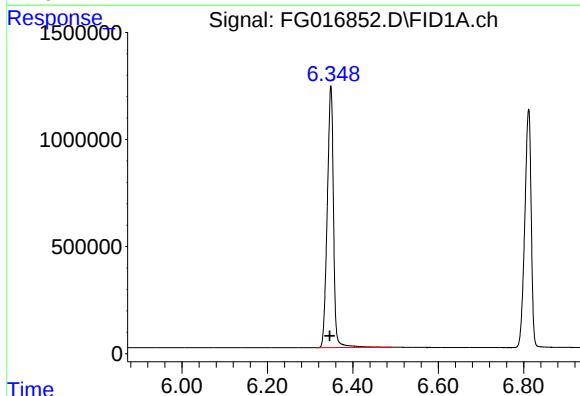
R.T.: 3.368 min
Delta R.T.: 0.002 min
Response: 11225657
Conc: 90.10 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1



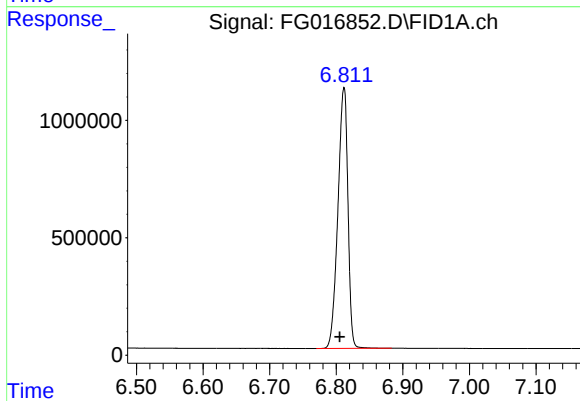
#2 n-Decane (C10)

R.T.: 4.630 min
Delta R.T.: 0.004 min
Response: 11442592
Conc: 89.38 ug/ml



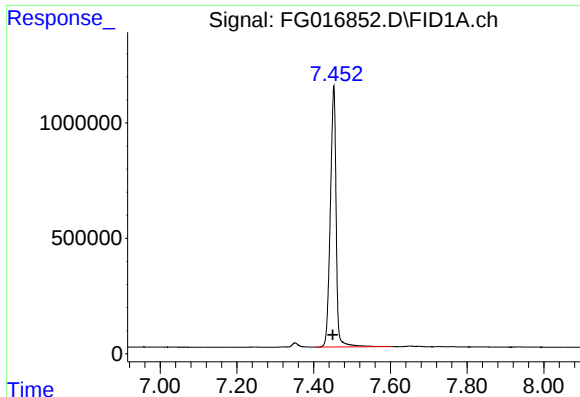
#3 A~Naphthalene (C11.7)

R.T.: 6.349 min
Delta R.T.: 0.003 min
Response: 12390439
Conc: 94.70 ug/ml



#4 n-Dodecane (C12)

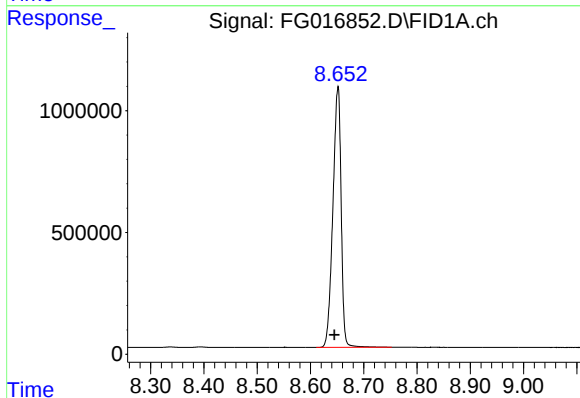
R.T.: 6.812 min
Delta R.T.: 0.006 min
Response: 11594218
Conc: 88.92 ug/ml



#5 A~2-methylnaphthalene (C12.89)

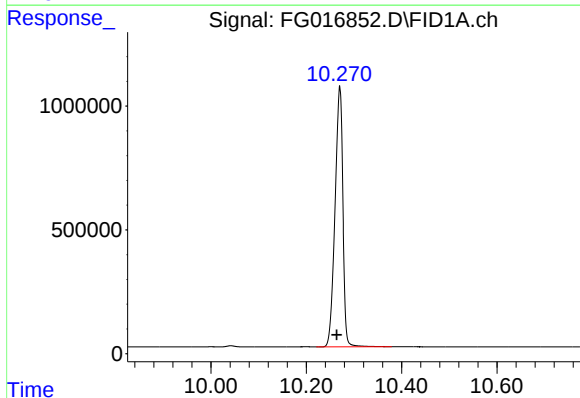
R.T.: 7.453 min
Delta R.T.: 0.003 min
Response: 11900380
Conc: 98.89 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1



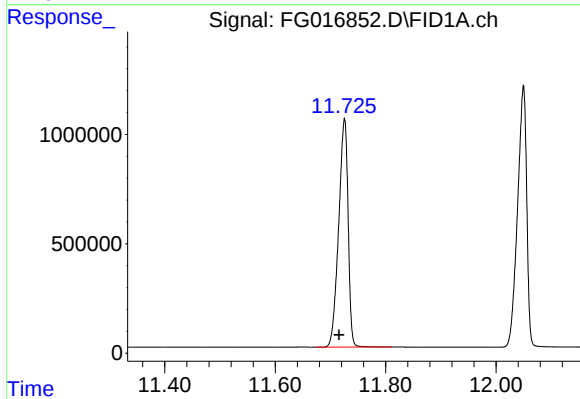
#6 n-Tetradecane (C14)

R.T.: 8.652 min
Delta R.T.: 0.006 min
Response: 11527988
Conc: 90.24 ug/ml



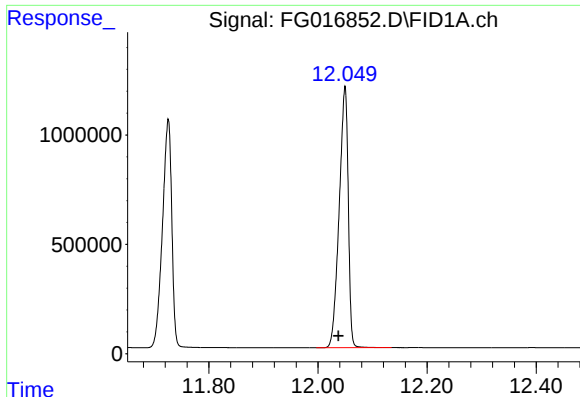
#7 n-Hexadecane (C16)

R.T.: 10.270 min
Delta R.T.: 0.007 min
Response: 12035154
Conc: 91.08 ug/ml



#8 n-Octadecane (C18)

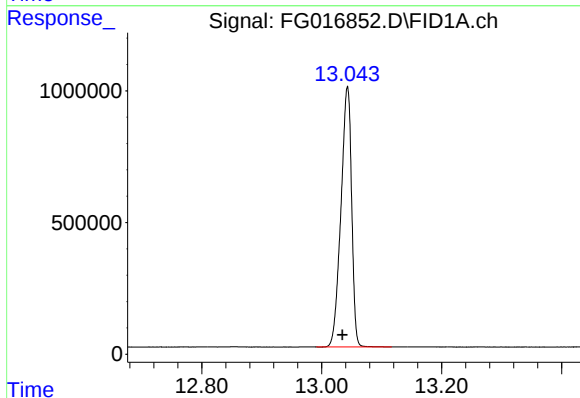
R.T.: 11.726 min
Delta R.T.: 0.010 min
Response: 12403190
Conc: 89.00 ug/ml



#9 ortho-Terphenyl (SURR)

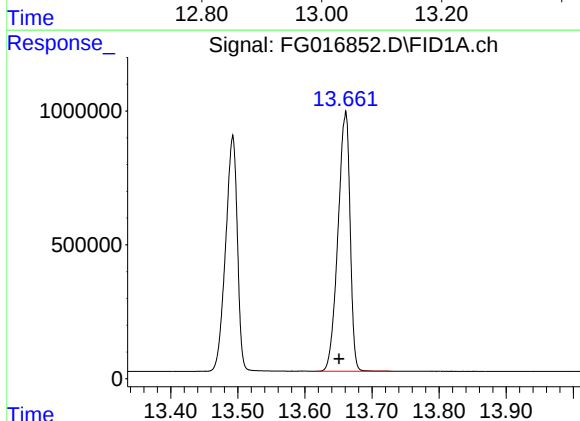
R.T.: 12.050 min
Delta R.T.: 0.012 min
Response: 13754034
Conc: 87.09 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1



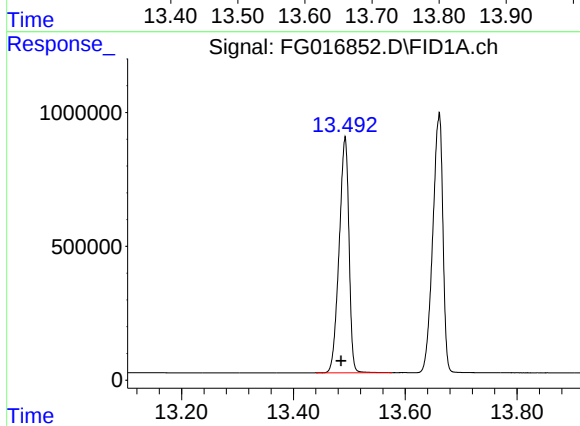
#10 n-Eicosane (C20)

R.T.: 13.043 min
Delta R.T.: 0.008 min
Response: 12210298
Conc: 87.35 ug/ml



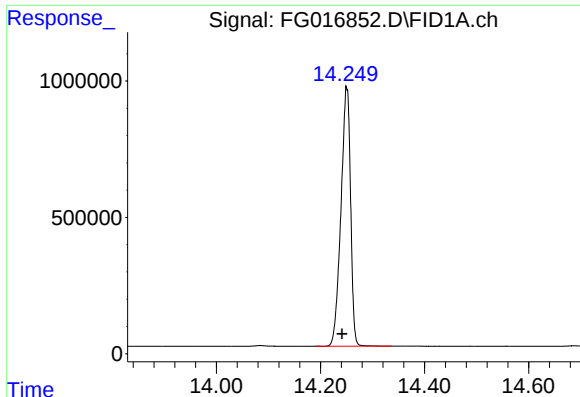
#11 n-Heneicosane (C21)

R.T.: 13.661 min
Delta R.T.: 0.010 min
Response: 12146981
Conc: 87.37 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.492 min
Delta R.T.: 0.007 min
Response: 10715413
Conc: 88.97 ug/ml



#13 n-Docosane (C22)

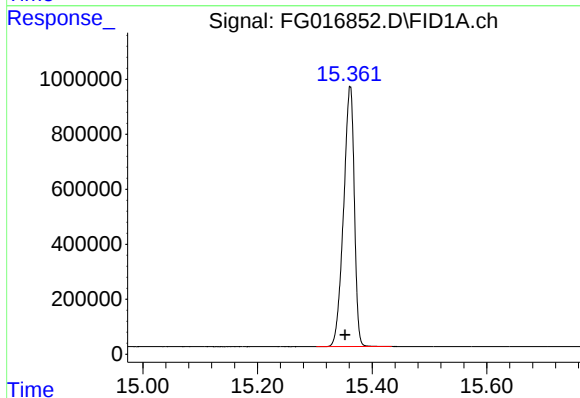
R.T.: 14.250 min
Delta R.T.: 0.009 min
Response: 12192468
Conc: 86.18 ug/ml

Instrument :

FID_G

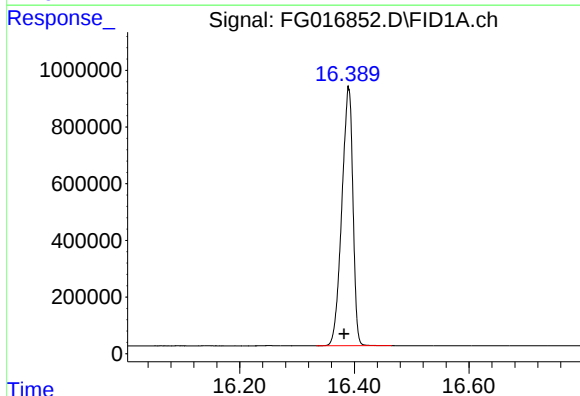
ClientSampleId :

100 PPM ALIPHATIC HC STD1



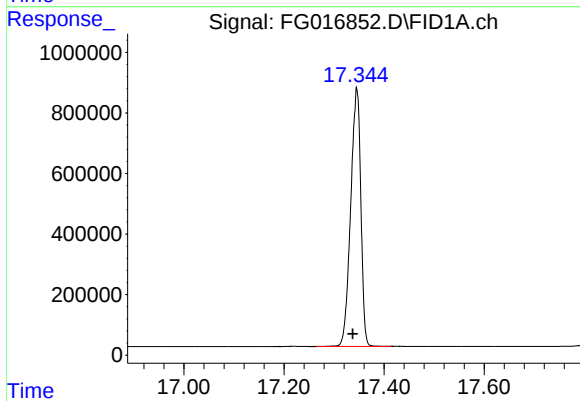
#14 n-Tetracosane (C24)

R.T.: 15.362 min
Delta R.T.: 0.009 min
Response: 12325975
Conc: 83.83 ug/ml



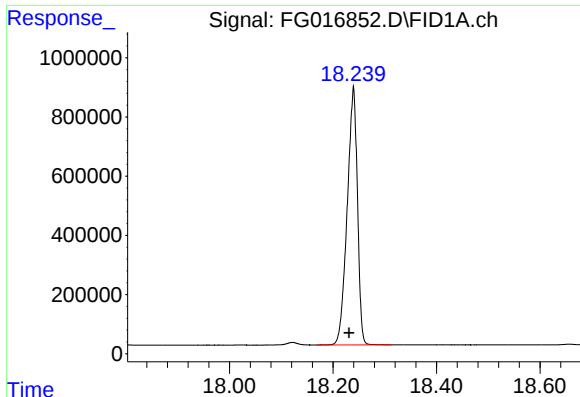
#15 n-Hexacosane (C26)

R.T.: 16.390 min
Delta R.T.: 0.008 min
Response: 12235907
Conc: 83.40 ug/ml



#16 n-Octacosane (C28)

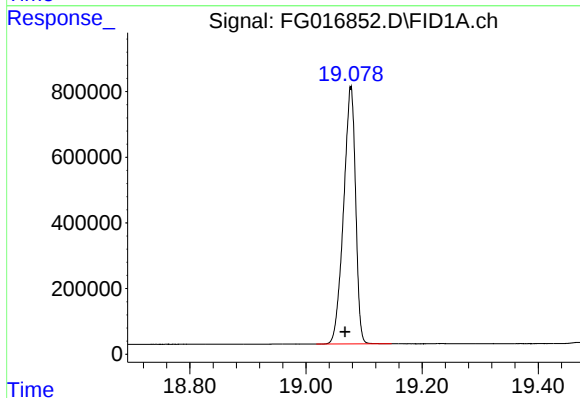
R.T.: 17.346 min
Delta R.T.: 0.008 min
Response: 11989038
Conc: 81.44 ug/ml



#17 n-Tricontane (C30)

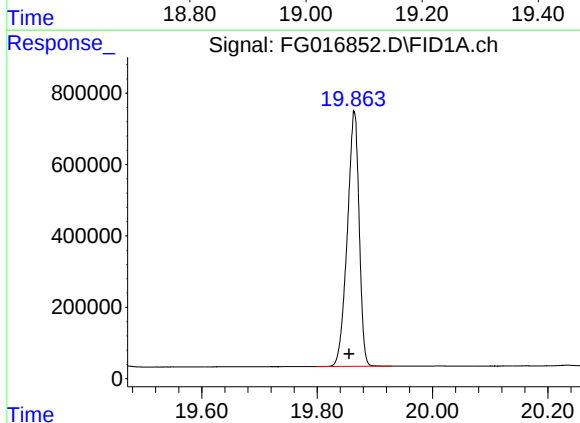
R.T.: 18.240 min
Delta R.T.: 0.009 min
Response: 11942968
Conc: 78.93 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1



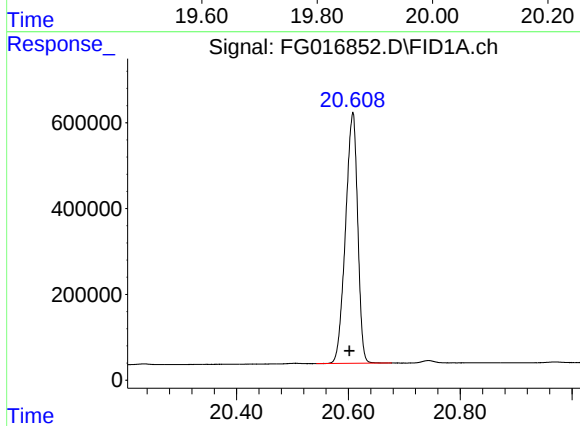
#18 n-Dotriacontane (C32)

R.T.: 19.077 min
Delta R.T.: 0.010 min
Response: 11253133
Conc: 76.34 ug/ml



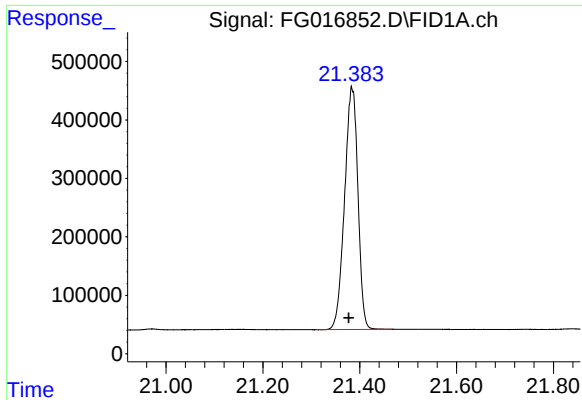
#19 n-Tetratriacontane (C34)

R.T.: 19.865 min
Delta R.T.: 0.009 min
Response: 10198592
Conc: 79.14 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.608 min
Delta R.T.: 0.006 min
Response: 8820263
Conc: 85.22 ug/ml



#21 n-Octatriacontane (C38)

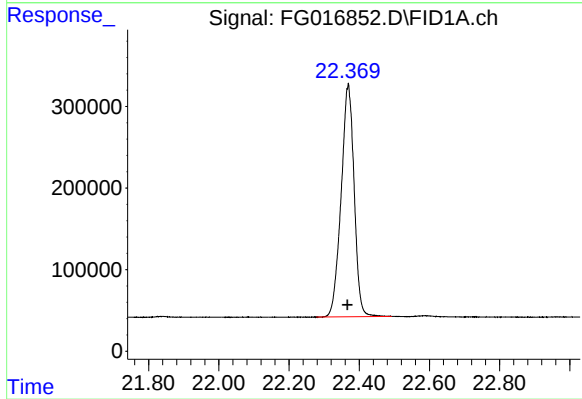
R.T.: 21.384 min
Delta R.T.: 0.007 min
Response: 7917818
Conc: 89.81 ug/ml

Instrument :

FID_G

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 22.369 min
Delta R.T.: 0.003 min
Response: 7331145
Conc: 93.63 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102925AL\
 Data File : FG016852.D
 Signal(s) : FID1A.ch
 Acq On : 29 Oct 2025 16:33
 Sample : 100 PPM ALIPHATIC HC STD1
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.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	3.368	3.320	3.450	BB	1133978	11225657	81.62%	4.498%
2	4.630	4.582	4.720	BB	1130326	11442592	83.19%	4.585%
3	6.349	6.314	6.491	BB	1221514	12390439	90.09%	4.965%
4	6.812	6.770	6.883	BB	1111879	11594218	84.30%	4.646%
5	7.453	7.407	7.603	PB	1131464	11900380	86.52%	4.769%
6	8.652	8.611	8.753	BB	1069318	11527988	83.82%	4.619%
7	10.270	10.221	10.379	BB	1052759	12035154	87.50%	4.823%
8	11.726	11.674	11.811	BB	1043140	12403190	90.18%	4.970%
9	12.050	11.997	12.135	BB	1194675	13754034	100.00%	5.511%
10	13.043	12.991	13.117	BB	990306	12210298	88.78%	4.893%
11	13.492	13.441	13.576	BB	880530	10715413	77.91%	4.294%
12	13.661	13.617	13.729	BB	970977	12146981	88.32%	4.867%
13	14.250	14.192	14.337	BB	940395	12192468	88.65%	4.886%
14	15.362	15.303	15.434	BB	944988	12325975	89.62%	4.939%
15	16.390	16.333	16.465	BB	906665	12235907	88.96%	4.903%
16	17.346	17.264	17.415	BB	849579	11989038	87.17%	4.804%
17	18.240	18.168	18.313	BB	875916	11942968	86.83%	4.786%
18	19.077	19.018	19.148	BB	776557	11253133	81.82%	4.509%
19	19.865	19.798	19.929	BB	711716	10198592	74.15%	4.087%
20	20.608	20.543	20.678	BB	585252	8820263	64.13%	3.534%
21	21.384	21.310	21.466	BB	412561	7917818	57.57%	3.173%
22	22.369	22.278	22.493	BB	286131	7331145	53.30%	2.938%
Sum of corrected areas:						249553650		

Aliphatic EPH 102925.M Thu Oct 30 04:29:18 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102925AL\
 Data File : FG016853.D
 Signal(s) : FID1A.ch
 Acq On : 29 Oct 2025 17:32
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD ICV
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
 Quant Time: Oct 29 17:42:28 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 29 16:21:47 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.039	2878633	18.227 ug/ml
Spiked Amount 50.000		Recovery =	36.45%
12) S 1-chlorooctadecane (S...	13.485	2197563	18.247 ug/ml
Spiked Amount 50.000		Recovery =	36.49%
Target Compounds			
1) T n-Nonane (C9)	3.365	2333992	18.734 ug/ml
2) T n-Decane (C10)	4.625	2380603	18.595 ug/ml
3) T A~Naphthalene (C11.7)	6.343	2445124	18.688 ug/ml
4) T n-Dodecane (C12)	6.806	2412397	18.502 ug/ml
5) T A~2-methylnaphthalene...	7.447	2263229	18.807 ug/ml
6) T n-Tetradecane (C14)	8.646	2364432	18.508 ug/ml
7) T n-Hexadecane (C16)	10.264	2446067	18.512 ug/ml
8) T n-Octadecane (C18)	11.717	2558203	18.357 ug/ml
10) T n-Eicosane (C20)	13.035	2540186	18.173 ug/ml
11) T n-Heneicosane (C21)	13.652	2526929	18.175 ug/ml
13) T n-Docosane (C22)	14.243	2527708	17.866 ug/ml
14) T n-Tetracosane (C24)	15.353	2549263	17.339 ug/ml
15) T n-Hexacosane (C26)	16.381	2534590	17.276 ug/ml
16) T n-Octacosane (C28)	17.338	2511002	17.057 ug/ml
17) T n-Tricontane (C30)	18.232	2583310	17.072 ug/ml
18) T n-Dotriacontane (C32)	19.069	2504607	16.991 ug/ml
19) T n-Tetratriacontane (C34)	19.856	2261777	17.551 ug/ml
20) T n-Hexatriacontane (C36)	20.600	1919405	18.544 ug/ml
21) T n-Octatriacontane (C38)	21.378	1687771	19.144 ug/ml
22) T n-Tetracontane (C40)	22.363	1511163	19.300 ug/ml

(f)=RT Delta > 1/2 Window

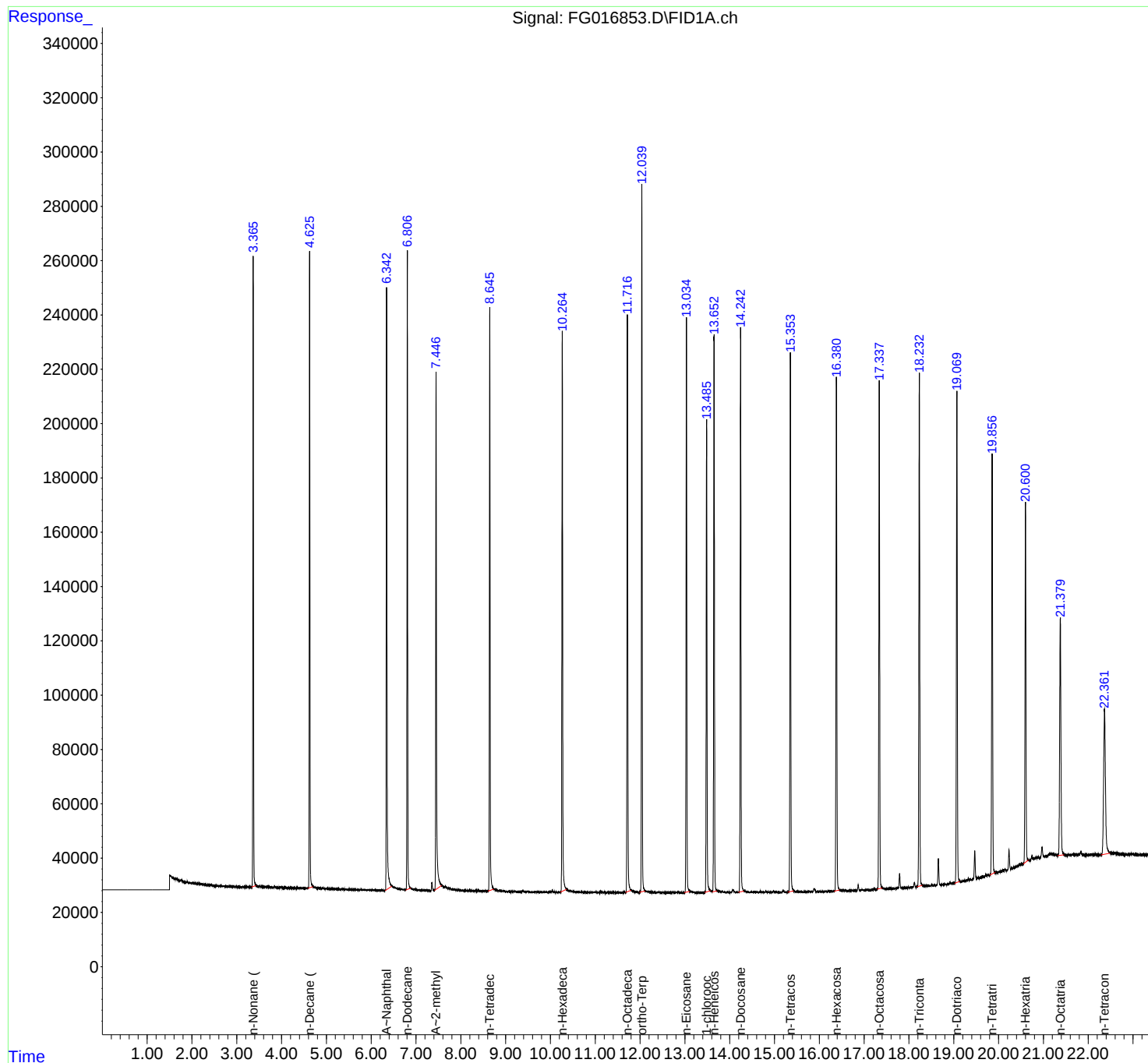
(m)=manual int.

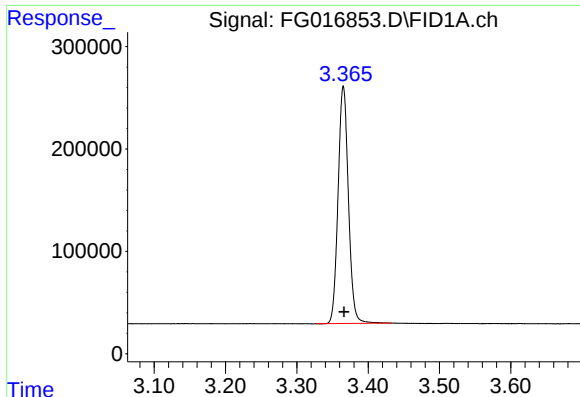
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102925AL\
Data File : FG016853.D
Signal(s) : FID1A.ch
Acq On : 29 Oct 2025 17:32
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Oct 29 17:42:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 16:21:47 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#1 n-Nonane (C9)

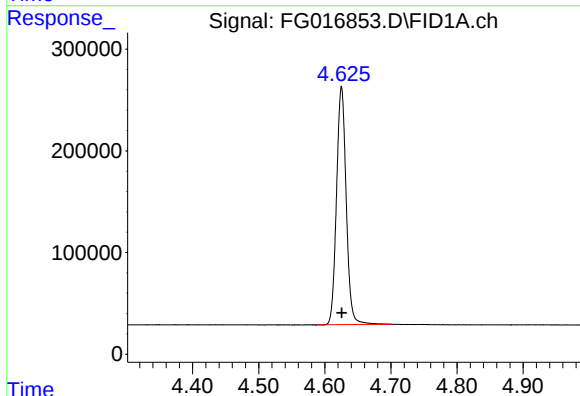
R.T.: 3.365 min
Delta R.T.: 0.000 min
Response: 2333992
Conc: 18.73 ug/ml

Instrument :

FID_G

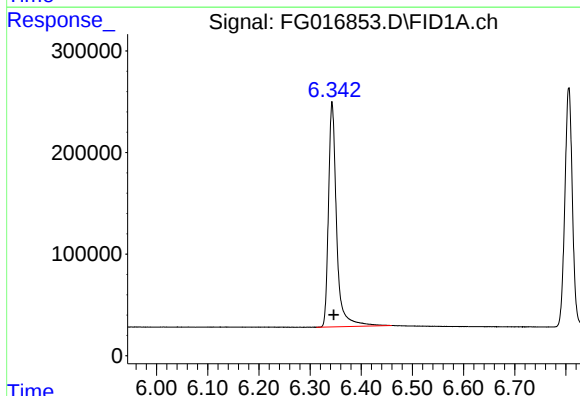
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



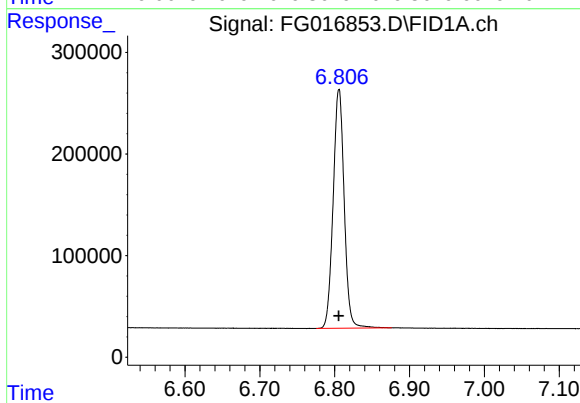
#2 n-Decane (C10)

R.T.: 4.625 min
Delta R.T.: 0.000 min
Response: 2380603
Conc: 18.60 ug/ml



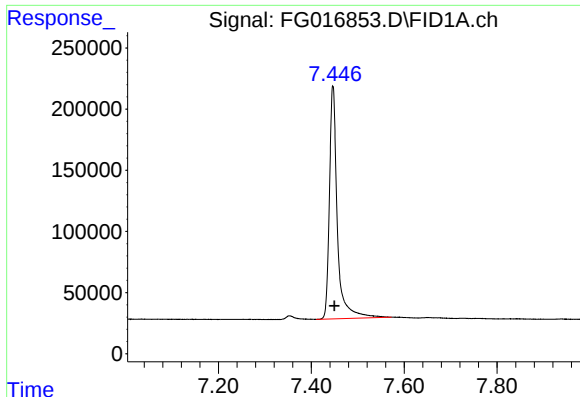
#3 A~Naphthalene (C11.7)

R.T.: 6.343 min
Delta R.T.: -0.003 min
Response: 2445124
Conc: 18.69 ug/ml



#4 n-Dodecane (C12)

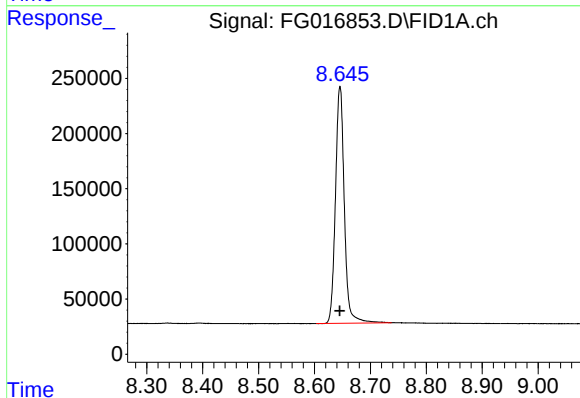
R.T.: 6.806 min
Delta R.T.: 0.000 min
Response: 2412397
Conc: 18.50 ug/ml



#5 A~2-methylnaphthalene (C12.89)

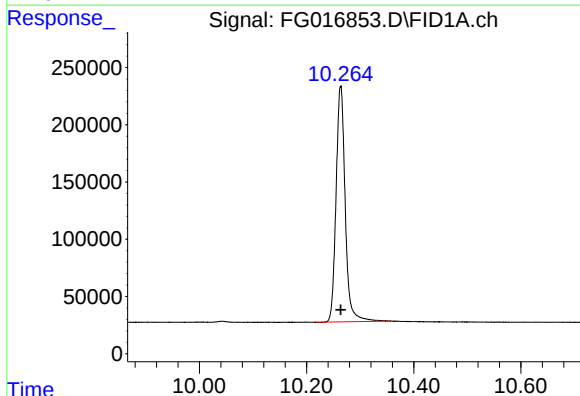
R.T.: 7.447 min
Delta R.T.: -0.003 min
Response: 2263229
Conc: 18.81 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



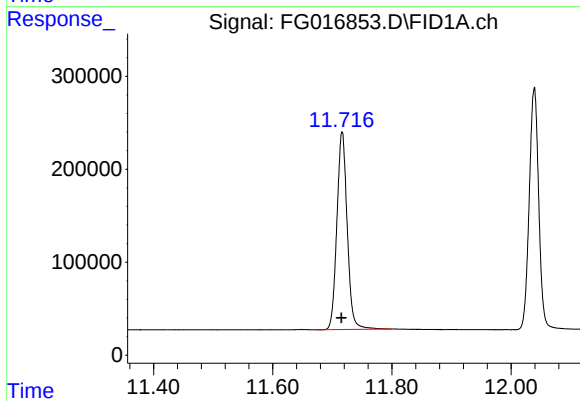
#6 n-Tetradecane (C14)

R.T.: 8.646 min
Delta R.T.: 0.000 min
Response: 2364432
Conc: 18.51 ug/ml



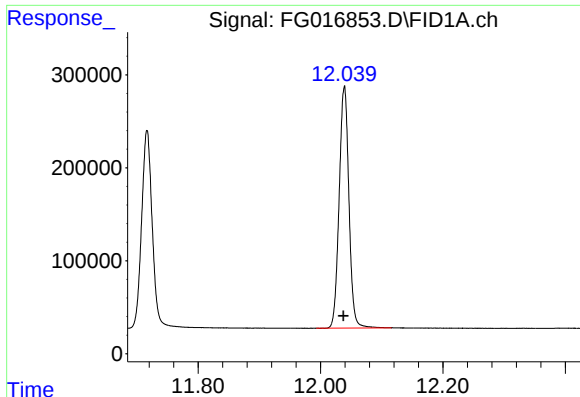
#7 n-Hexadecane (C16)

R.T.: 10.264 min
Delta R.T.: 0.000 min
Response: 2446067
Conc: 18.51 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.717 min
Delta R.T.: 0.000 min
Response: 2558203
Conc: 18.36 ug/ml



#9 ortho-Terphenyl (SURR)

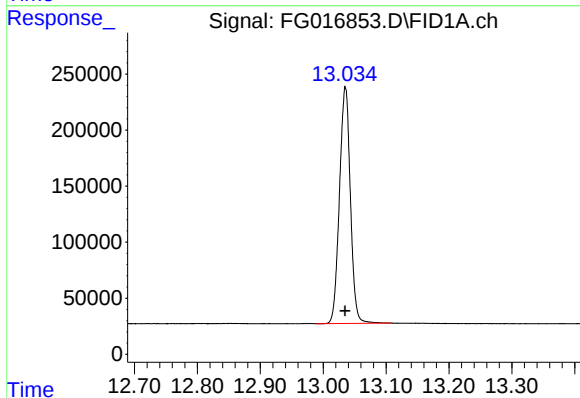
R.T.: 12.039 min
Delta R.T.: 0.001 min
Response: 2878633
Conc: 18.23 ug/ml

Instrument :

FID_G

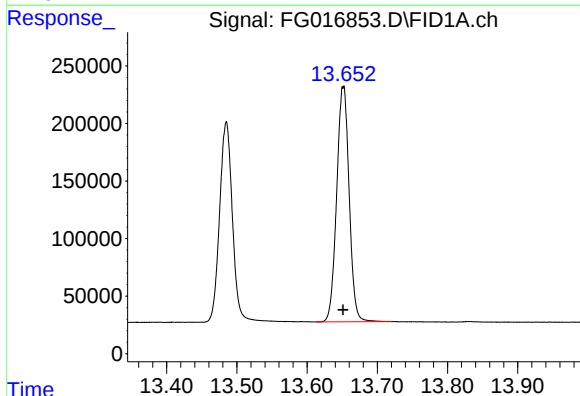
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



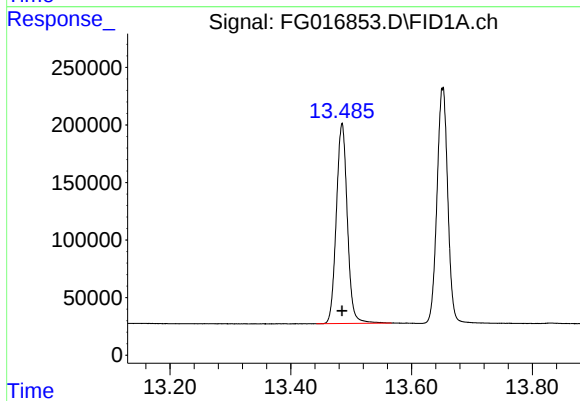
#10 n-Eicosane (C20)

R.T.: 13.035 min
Delta R.T.: 0.000 min
Response: 2540186
Conc: 18.17 ug/ml



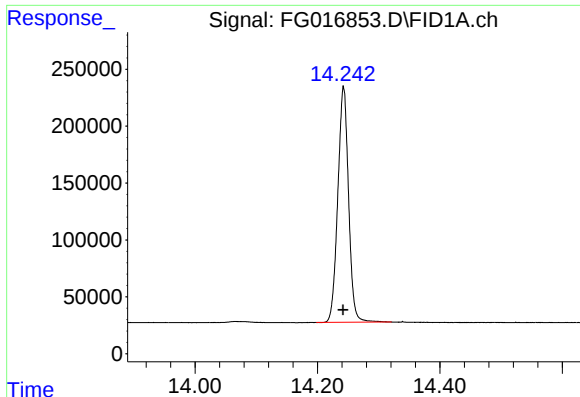
#11 n-Heneicosane (C21)

R.T.: 13.652 min
Delta R.T.: 0.000 min
Response: 2526929
Conc: 18.18 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.485 min
Delta R.T.: 0.000 min
Response: 2197563
Conc: 18.25 ug/ml



#13 n-Docosane (C22)

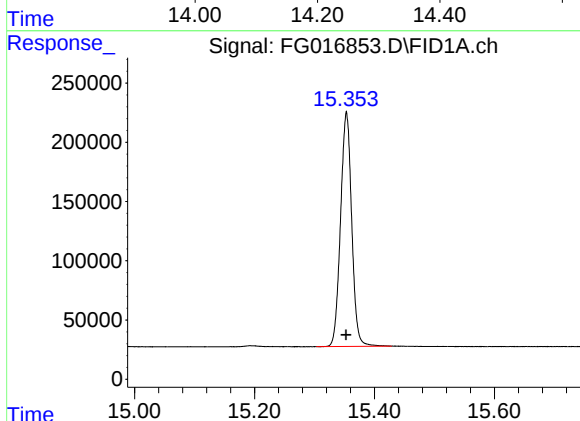
R.T.: 14.243 min
Delta R.T.: 0.000 min
Response: 2527708
Conc: 17.87 ug/ml

Instrument :

FID_G

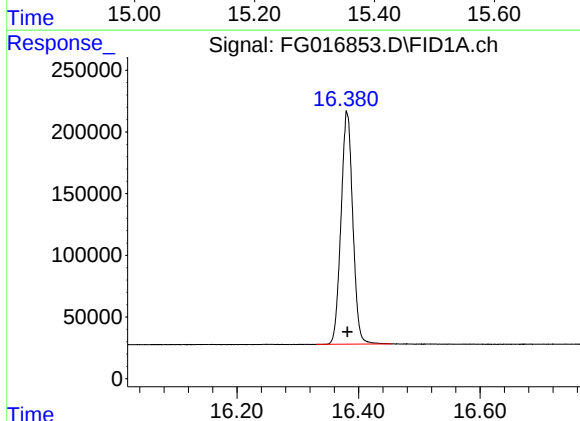
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



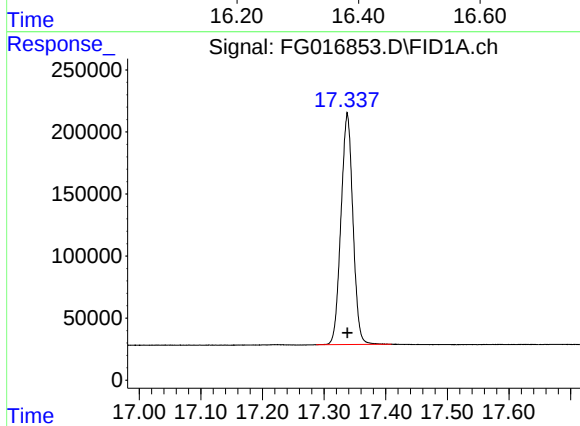
#14 n-Tetracosane (C24)

R.T.: 15.353 min
Delta R.T.: 0.000 min
Response: 2549263
Conc: 17.34 ug/ml



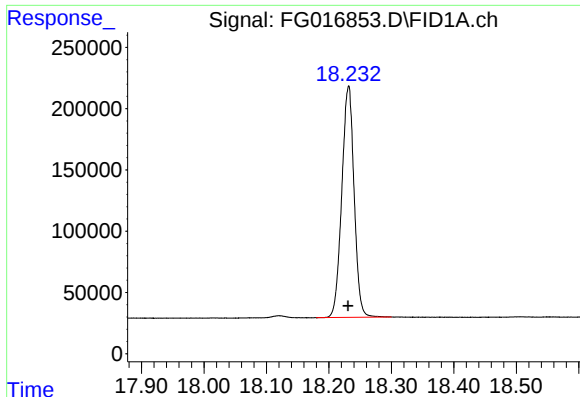
#15 n-Hexacosane (C26)

R.T.: 16.381 min
Delta R.T.: 0.000 min
Response: 2534590
Conc: 17.28 ug/ml



#16 n-Octacosane (C28)

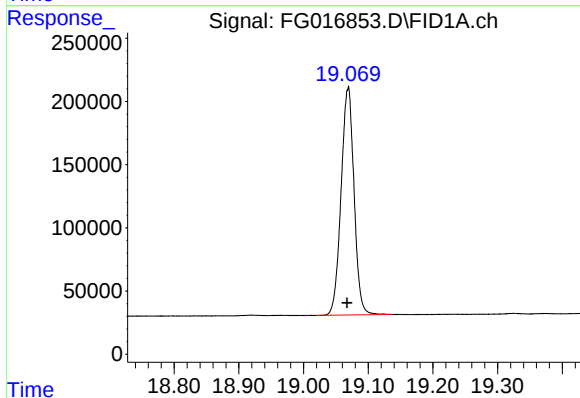
R.T.: 17.338 min
Delta R.T.: 0.000 min
Response: 2511002
Conc: 17.06 ug/ml



#17 n-Tricontane (C30)

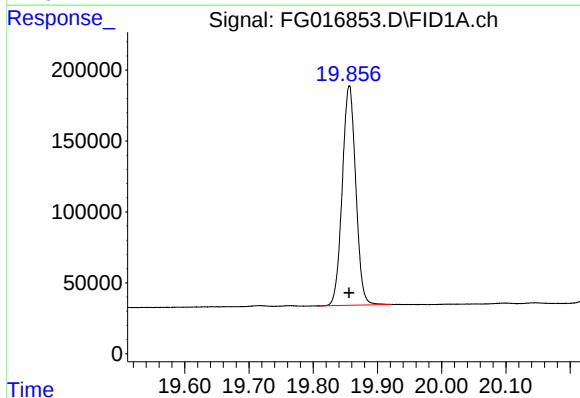
R.T.: 18.232 min
Delta R.T.: 0.000 min
Response: 2583310
Conc: 17.07 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



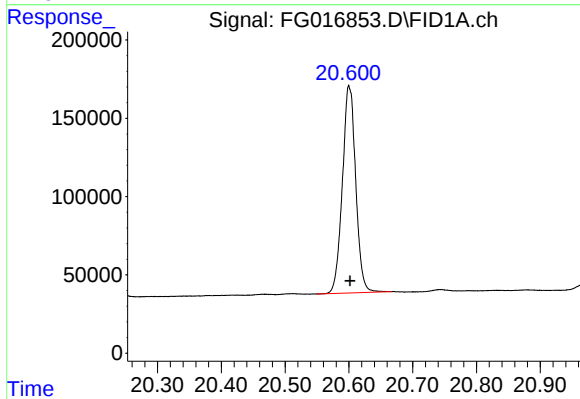
#18 n-Dotriacontane (C32)

R.T.: 19.069 min
Delta R.T.: 0.002 min
Response: 2504607
Conc: 16.99 ug/ml



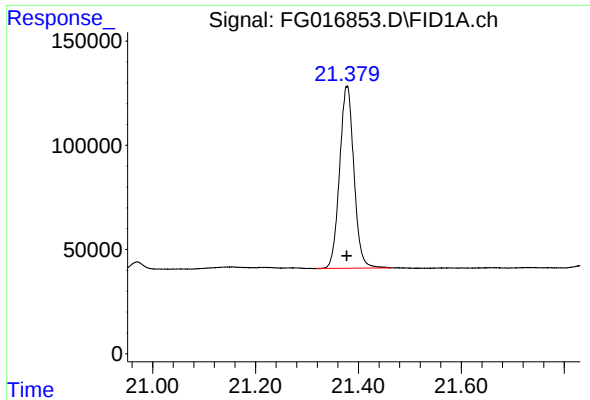
#19 n-Tetratriacontane (C34)

R.T.: 19.856 min
Delta R.T.: 0.000 min
Response: 2261777
Conc: 17.55 ug/ml



#20 n-Hexatriacontane (C36)

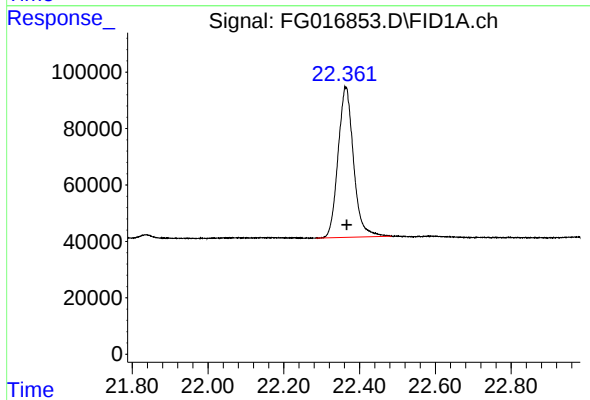
R.T.: 20.600 min
Delta R.T.: -0.001 min
Response: 1919405
Conc: 18.54 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.378 min
Delta R.T.: 0.000 min
Response: 1687771
Conc: 19.14 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 22.363 min
Delta R.T.: -0.004 min
Response: 1511163
Conc: 19.30 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102925AL\
Data File : FG016853.D
Signal(s) : FID1A.ch
Acq On : 29 Oct 2025 17:32
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 33 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.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	3.365	3.327	3.433	BB	232036	2333992	81.08%	4.494%
2	4.625	4.587	4.701	BB	234268	2380603	82.70%	4.584%
3	6.343	6.312	6.460	BB	221491	2445124	84.94%	4.708%
4	6.806	6.775	6.876	BB	235549	2412397	83.80%	4.645%
5	7.447	7.410	7.573	BB	190049	2263229	78.62%	4.358%
6	8.646	8.603	8.738	BB	214381	2364432	82.14%	4.552%
7	10.264	10.218	10.359	BB	205479	2446067	84.97%	4.710%
8	11.717	11.673	11.800	BB	212642	2558203	88.87%	4.925%
9	12.039	11.993	12.116	BB	259591	2878633	100.00%	5.542%
10	13.035	12.989	13.109	BB	210522	2540186	88.24%	4.891%
11	13.485	13.442	13.567	BB	174188	2197563	76.34%	4.231%
12	13.652	13.613	13.720	BB	203997	2526929	87.78%	4.865%
13	14.243	14.198	14.321	BB	206536	2527708	87.81%	4.867%
14	15.353	15.303	15.429	BB	198289	2549263	88.56%	4.908%
15	16.381	16.330	16.454	BB	187283	2534590	88.05%	4.880%
16	17.338	17.287	17.410	BB	186348	2511002	87.23%	4.835%
17	18.232	18.180	18.300	BB	189134	2583310	89.74%	4.974%
18	19.069	19.020	19.136	BB	180660	2504607	87.01%	4.822%
19	19.856	19.805	19.922	BB	154690	2261777	78.57%	4.355%
20	20.600	20.549	20.667	BB	132183	1919405	66.68%	3.696%
21	21.378	21.318	21.465	BB	86869	1687771	58.63%	3.250%
22	22.363	22.285	22.485	BB	52865	1511163	52.50%	2.910%
Sum of corrected areas:							51937956	

Aliphatic EPH 102925.M Thu Oct 30 04:34:21 2025

Continuing Calibration Report for SequenceID : FF111725AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FF016716.D

Aromatic C10-C12	5495483.000	40.000	4.502	6.378	137387.075	131963.544	-4.110
Aromatic C12-C16	8357375.000	60.000	6.379	9.083	139289.583	135166.617	-3.050
Aromatic C16-C21	10464575.000	80.000	9.084	13.405	130807.188	133743.127	2.195
Aromatic C21-C36	22365155.000	180.000	13.406	18.870	124250.861	117666.204	-5.596
Aromatic EPH	46682588.000	360.000	4.502	18.870	129673.856	125744.182	-3.125

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	17 Nov 2025 14:20
Client Sample ID:		Operator:	YP\AJ
Data file:	FF016716.D	Misc:	
Instrument:	FID_F	ALS Vial:	61
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.502	6.378	5495483.000	40.000	ug/ml
Aromatic C12-C16	6.379	9.083	8357375.000	60.000	ug/ml
Aromatic C16-C21	9.084	13.405	10464575.000	80.000	ug/ml
Aromatic C21-C36	13.406	18.870	22365155.000	180.000	ug/ml
Aromatic EPH	4.502	18.870	46682588.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111725AR\
 Data File : FF016716.D
 Signal(s) : FID2B.ch
 Acq On : 17 Nov 2025 14:20
 Operator : YP\AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 20 PPM AROMATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 11/18/2025
 Supervised By :mohammad ahmed 11/19/2025

Integration File: autoint1.e
 Quant Time: Nov 18 00:47:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 29 18:27:43 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	8.008	2325843	20.524 ug/ml
Spiked Amount 50.000		Recovery =	41.05%
6) S 2-Fluorobiphenyl (SURR)	8.884	1501528	21.053 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	42.11%
11) S ortho-Terphenyl (SURR)	11.952	2894909	19.713 ug/ml
Spiked Amount 50.000		Recovery =	39.43%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.602	2743720	20.843 ug/ml
2) T Naphthalene (C11.7)	6.278	2751763	20.801 ug/ml
3) T 2-Methylnaphthalene (...)	7.378	2767151	20.816 ug/ml
5) T Acenaphthylene (C15.06)	8.684	2748684	20.345 ug/ml
7) T Acenaphthene (C15.5)	8.983	2841540	20.672 ug/ml
8) T Flouorene (C16.55)	9.773	2681077	20.594 ug/ml
9) T Phenanthrene (C19.36)	11.181	2644834	20.002 ug/ml
10) T Anthracene (C19.43)	11.256	2605831	19.230 ug/ml
12) T Fluoranthene (C21.85)	13.006	2624096	19.121 ug/ml
13) T Pyrene (C20.8)	13.305	2532833	18.482 ug/ml
14) T Benzo[a]anthracene (C...	15.190	2280141	20.020 ug/ml
15) T Chrysene (C27.41)	15.233	2621879	18.580 ug/ml
16) T benzo[b]fluoranthene ...	16.754	2384889	21.459 ug/ml
17) T Bnezo[k]fluoranthene ...	16.786	2433598	19.924 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.136	2417227	22.025 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.514	2200487	25.572 ug/mlm
20) T Dibenz[a,h]anthracene...	18.552	2757087	20.935 ug/ml
21) T Benzo[g,h,i]perylene ...	18.770	2645751	24.966 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111725AR\
Data File : FF016716.D
Signal(s) : FID2B.ch
Acq On : 17 Nov 2025 14:20
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 61 Sample Multiplier: 1

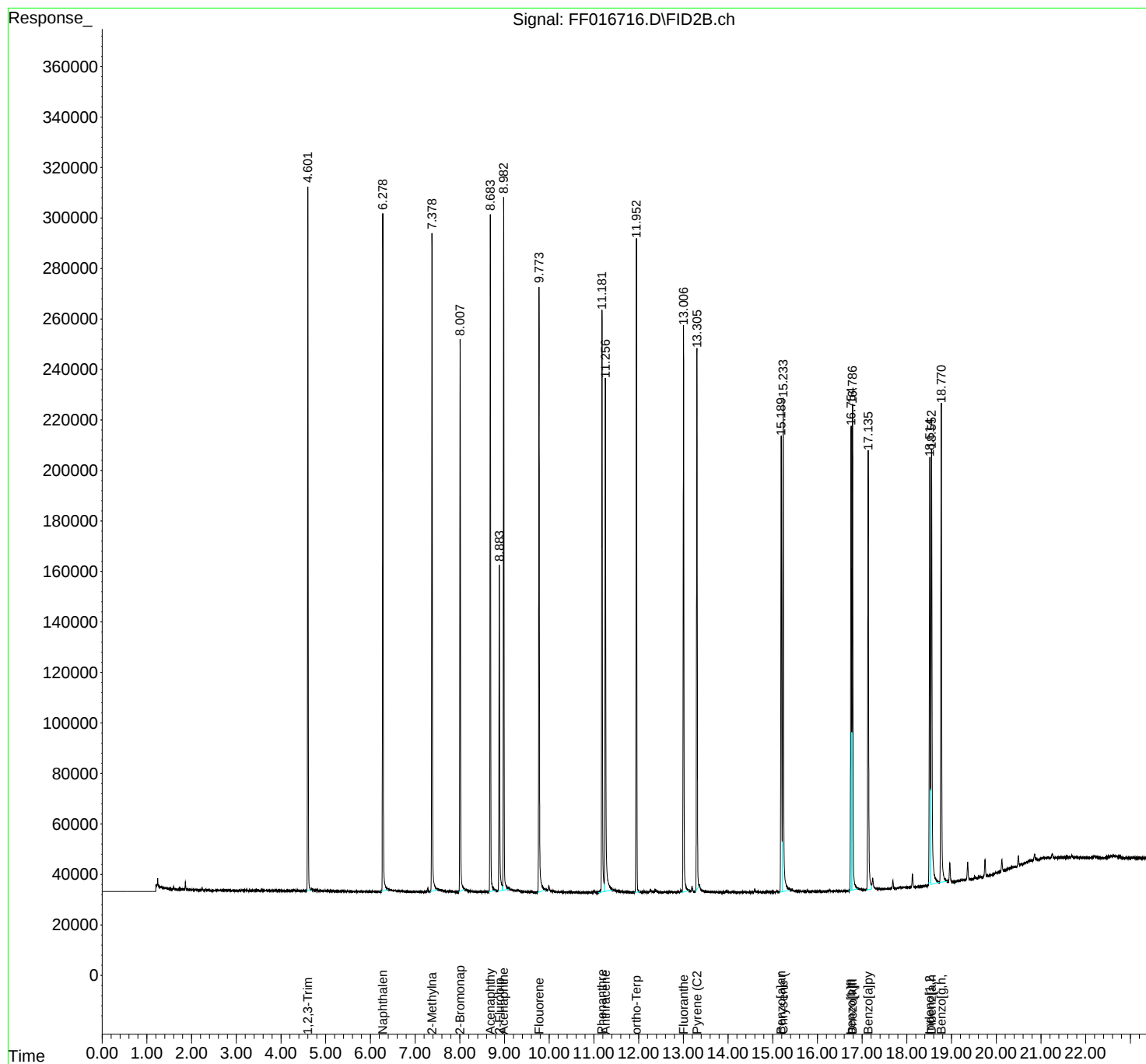
Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/18/2025
Supervised By :mohammad ahmed 11/19/2025

Integration File: autoint1.e
Quant Time: Nov 18 00:47:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 18:27:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Instrument :
FID_F
LabSampleId :
20 PPM AROMATIC HC STD
Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Rahul Chavli 11/18/2025
Supervised By :mohammad ahmed 11/19/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF11172
Data File : FF016716.D
Signal(s) : FID2B.ch
Acq On : 17 Nov 2025 14:20
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.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	4.602	4.569	4.677	BB	277725	2743720	94.78%	5.133%
2	6.278	6.247	6.397	BB	267389	2751763	95.06%	5.148%
3	7.378	7.340	7.500	BB	260474	2767151	95.59%	5.177%
4	8.008	7.975	8.104	BB	218990	2325843	80.34%	4.351%
5	8.684	8.640	8.789	BB	267954	2748684	94.95%	5.142%
6	8.884	8.854	8.955	BV	129016	1501528	51.87%	2.809%
7	8.983	8.955	9.107	VB	273954	2841540	98.16%	5.316%
8	9.773	9.739	9.922	BB	240146	2681077	92.61%	5.016%
9	11.181	11.095	11.230	BV	230130	2644834	91.36%	4.948%
10	11.256	11.230	11.422	VB	203873	2605831	90.01%	4.875%
11	11.952	11.910	12.025	BB	259386	2894909	100.00%	5.416%
12	13.006	12.974	13.120	BB	223711	2624096	90.65%	4.909%
13	13.305	13.269	13.352	BV	214472	2532833	87.49%	4.738%
14	15.190	15.147	15.211	BV	180159	2280141	78.76%	4.266%
15	15.233	15.211	15.389	VB	194106	2621879	90.57%	4.905%
16	16.754	16.697	16.770	BV	183399	2384889	82.38%	4.462%
17	16.786	16.770	16.905	VB	192001	2433598	84.06%	4.553%
18	17.136	17.092	17.214	BV	174403	2417227	83.50%	4.522%
19	18.514	18.480	18.531	BV	169118	2249771	77.71%	4.209%
20	18.552	18.531	18.720	VB	172677	2757087	95.24%	5.158%
21	18.770	18.730	18.907	BB	190136	2645751	91.39%	4.950%
Sum of corrected areas:						53454153		

Aromatic EPH 102925.M Tue Nov 18 01:09:26 2025

Continuing Calibration Report for SequenceID : FF111725AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FF016731.D

Aromatic C10-C12	5413826.000	40.000	4.502	6.378	135345.650	131963.544	-2.563
Aromatic C12-C16	8196999.000	60.000	6.379	9.083	136616.650	135166.617	-1.073
Aromatic C16-C21	10258552.000	80.000	9.084	13.405	128231.900	133743.127	4.121
Aromatic C21-C36	22208488.000	180.000	13.406	18.870	123380.489	117666.204	-4.856
Aromatic EPH	46077865.000	360.000	4.502	18.870	127994.069	125744.182	-1.789

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	17 Nov 2025 22:56
Client Sample ID:		Operator:	YP\AJ
Data file:	FF016731.D	Misc:	
Instrument:	FID_F	ALS Vial:	61
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.502	6.378	5413826.000	40.000	ug/ml
Aromatic C12-C16	6.379	9.083	8196999.000	60.000	ug/ml
Aromatic C16-C21	9.084	13.405	10258552.000	80.000	ug/ml
Aromatic C21-C36	13.406	18.870	22208488.000	180.000	ug/ml
Aromatic EPH	4.502	18.870	46077865.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111725AR\
 Data File : FF016731.D
 Signal(s) : FID2B.ch
 Acq On : 17 Nov 2025 22:56
 Operator : YP\AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 20 PPM AROMATIC HC STD

Integration File: autoint1.e
 Quant Time: Nov 18 00:39:23 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 29 18:27:43 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	8.008	2282110	20.138 ug/ml
Spiked Amount 50.000		Recovery =	40.28%
6) S 2-Fluorobiphenyl (SURR)	8.885	1467385	20.574 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	41.15%
11) S ortho-Terphenyl (SURR)	11.951	2837331	19.321 ug/ml
Spiked Amount 50.000		Recovery =	38.64%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.603	2710395	20.590 ug/ml
2) T Naphthalene (C11.7)	6.279	2703431	20.435 ug/ml
3) T 2-Methylnaphthalene (...)	7.379	2714531	20.420 ug/ml
5) T Acenaphthylene (C15.06)	8.683	2697472	19.966 ug/ml
7) T Acenaphthene (C15.5)	8.982	2784996	20.260 ug/ml
8) T Flouorene (C16.55)	9.773	2640352	20.281 ug/ml
9) T Phenanthrene (C19.36)	11.181	2588931	19.579 ug/ml
10) T Anthracene (C19.43)	11.256	2557610	18.874 ug/ml
12) T Fluoranthene (C21.85)	13.005	2573604	18.753 ug/ml
13) T Pyrene (C20.8)	13.304	2471659	18.035 ug/ml
14) T Benzo[a]anthracene (C...	15.191	2230738	19.587 ug/ml
15) T Chrysene (C27.41)	15.232	2602351	18.441 ug/ml
16) T benzo[b]fluoranthene ...	16.754	2361355	21.247 ug/ml
17) T Bnezo[k]fluoranthene ...	16.786	2421357	19.824 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.136	2388462	21.763 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.514	2219874	25.797 ug/ml
20) T Dibenz[a,h]anthracene...	18.552	2782763	21.130 ug/ml
21) T Benzo[g,h,i]perylene ...	18.769	2627984	24.799 ug/ml

(f)=RT Delta > 1/2 Window

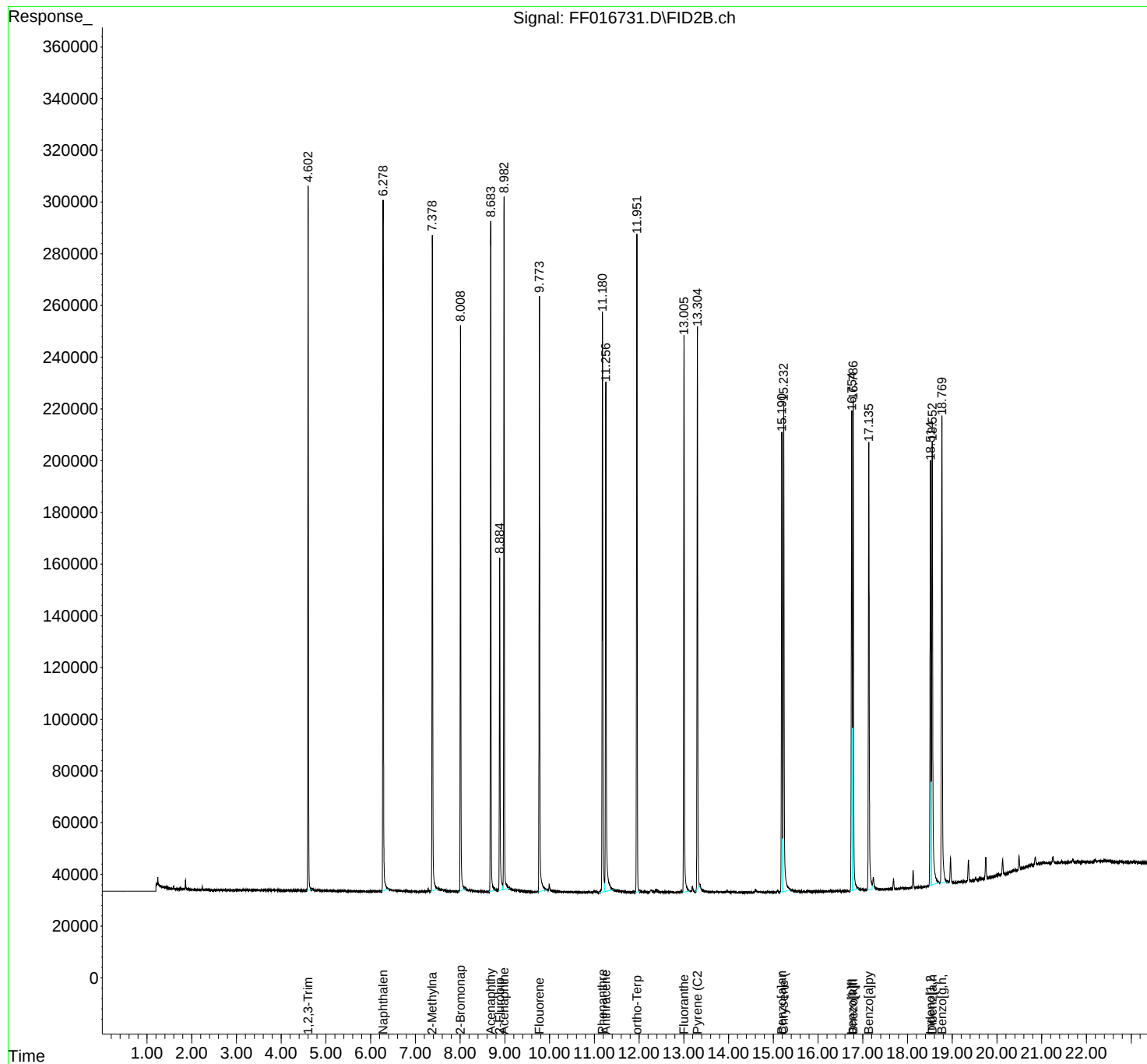
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111725AR\
Data File : FF016731.D
Signal(s) : FID2B.ch
Acq On : 17 Nov 2025 22:56
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD

Integration File: autoint1.e
Quant Time: Nov 18 00:39:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 18:27:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111725AR\
Data File : FF016731.D
Signal(s) : FID2B.ch
Acq On : 17 Nov 2025 22:56
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.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	4.603	4.571	4.681	BB	272303	2710395	95.53%	5.147%
2	6.279	6.247	6.396	BB	267175	2703431	95.28%	5.133%
3	7.379	7.341	7.501	BB	253708	2714531	95.67%	5.154%
4	8.008	7.974	8.111	BB	217715	2282110	80.43%	4.333%
5	8.683	8.649	8.792	BB	259131	2697472	95.07%	5.122%
6	8.885	8.854	8.954	BV	128510	1467385	51.72%	2.786%
7	8.982	8.954	9.097	VB	267349	2784996	98.16%	5.288%
8	9.773	9.734	9.929	BB	230037	2640352	93.06%	5.014%
9	11.181	11.102	11.228	BV	224121	2588931	91.25%	4.916%
10	11.256	11.228	11.424	VB	196567	2557610	90.14%	4.856%
11	11.951	11.916	12.024	BB	253989	2837331	100.00%	5.388%
12	13.005	12.971	13.132	PB	215569	2573604	90.71%	4.887%
13	13.304	13.261	13.352	BV	217709	2471659	87.11%	4.693%
14	15.191	15.147	15.211	BV	176742	2230738	78.62%	4.236%
15	15.232	15.211	15.389	VB	189513	2602351	91.72%	4.941%
16	16.754	16.702	16.770	BV	185769	2361355	83.22%	4.484%
17	16.786	16.770	16.904	VB	189749	2421357	85.34%	4.598%
18	17.136	17.092	17.209	BV	173000	2388462	84.18%	4.535%
19	18.514	18.481	18.531	BV	164359	2219874	78.24%	4.215%
20	18.552	18.531	18.712	VB	170944	2782763	98.08%	5.284%
21	18.769	18.731	18.909	BB	180849	2627984	92.62%	4.990%
Sum of corrected areas:							52664690	

Aromatic EPH 102925.M Tue Nov 18 01:14:40 2025

Continuing Calibration Report for SequenceID : FG111725AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FG016925.D

Aliphatic C9-C12	8312412.000	60.000	3.260	6.901	138540.200	122003.227	-13.555
Aliphatic C12-C16	5689870.000	40.000	6.902	10.358	142246.750	122851.240	-15.788
Aliphatic C16-C21	8956347.000	60.000	10.359	13.749	149272.450	132396.253	-12.747
Aliphatic C21-C28	11592307.000	80.000	13.750	17.436	144903.838	139034.659	-4.221
Aliphatic C28-C40	13646977.000	120.000	17.437	22.460	113724.808	113794.545	0.061
Aliphatic EPH	48197913.000	360.000	3.260	22.460	133883.092	124878.157	-7.211

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	17 Nov 2025 14:20
Client Sample ID:		Operator:	YPAJ
Data file:	FG016925.D	Misc:	
Instrument:	FID_G	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.260	6.901	8312412.000	60.000	ug/ml
Aliphatic C12-C16	6.902	10.358	5689870.000	40.000	ug/ml
Aliphatic C16-C21	10.359	13.749	8956347.000	60.000	ug/ml
Aliphatic C21-C28	13.750	17.436	11592307.000	80.000	ug/ml
Aliphatic C28-C40	17.437	22.460	13646977.000	120.000	ug/ml
Aliphatic EPH	3.260	22.460	48197913.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG111725AL\
 Data File : FG016925.D
 Signal(s) : FID1A.ch
 Acq On : 17 Nov 2025 14:20
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
 Quant Time: Nov 18 01:20:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 29 16:21:47 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.035	3389417	21.461 ug/ml
Spiked Amount 50.000		Recovery =	42.92%
12) S 1-chlorooctadecane (S...	13.481	2563000	21.282 ug/ml
Spiked Amount 50.000		Recovery =	42.56%
Target Compounds			
1) T n-Nonane (C9)	3.360	2714259	21.786 ug/ml
2) T n-Decane (C10)	4.620	2776554	21.688 ug/ml
3) T A~Naphthalene (C11.7)	6.338	2878220	21.998 ug/ml
4) T n-Dodecane (C12)	6.801	2821599	21.641 ug/ml
5) T A~2-methylnaphthalene...	7.441	2709560	22.516 ug/ml
6) T n-Tetradecane (C14)	8.641	2792500	21.858 ug/ml
7) T n-Hexadecane (C16)	10.258	2897370	21.927 ug/ml
8) T n-Octadecane (C18)	11.713	3013163	21.622 ug/ml
10) T n-Eicosane (C20)	13.032	2980452	21.323 ug/ml
11) T n-Heneicosane (C21)	13.649	2962732	21.310 ug/ml
13) T n-Docosane (C22)	14.239	2951342	20.861 ug/ml
14) T n-Tetracosane (C24)	15.351	2947811	20.049 ug/ml
15) T n-Hexacosane (C26)	16.380	2882167	19.645 ug/ml
16) T n-Octacosane (C28)	17.336	2810987	19.095 ug/ml
17) T n-Tricontane (C30)	18.228	2833196	18.724 ug/ml
18) T n-Dotriacontane (C32)	19.066	2713792	18.410 ug/ml
19) T n-Tetratriacontane (C34)	19.856	2432764	18.878 ug/ml
20) T n-Hexatriacontane (C36)	20.601	2064845	19.949 ug/ml
21) T n-Octatriacontane (C38)	21.376	1866674	21.174 ug/ml
22) T n-Tetracontane (C40)	22.360	1735706	22.167 ug/ml

(f)=RT Delta > 1/2 Window

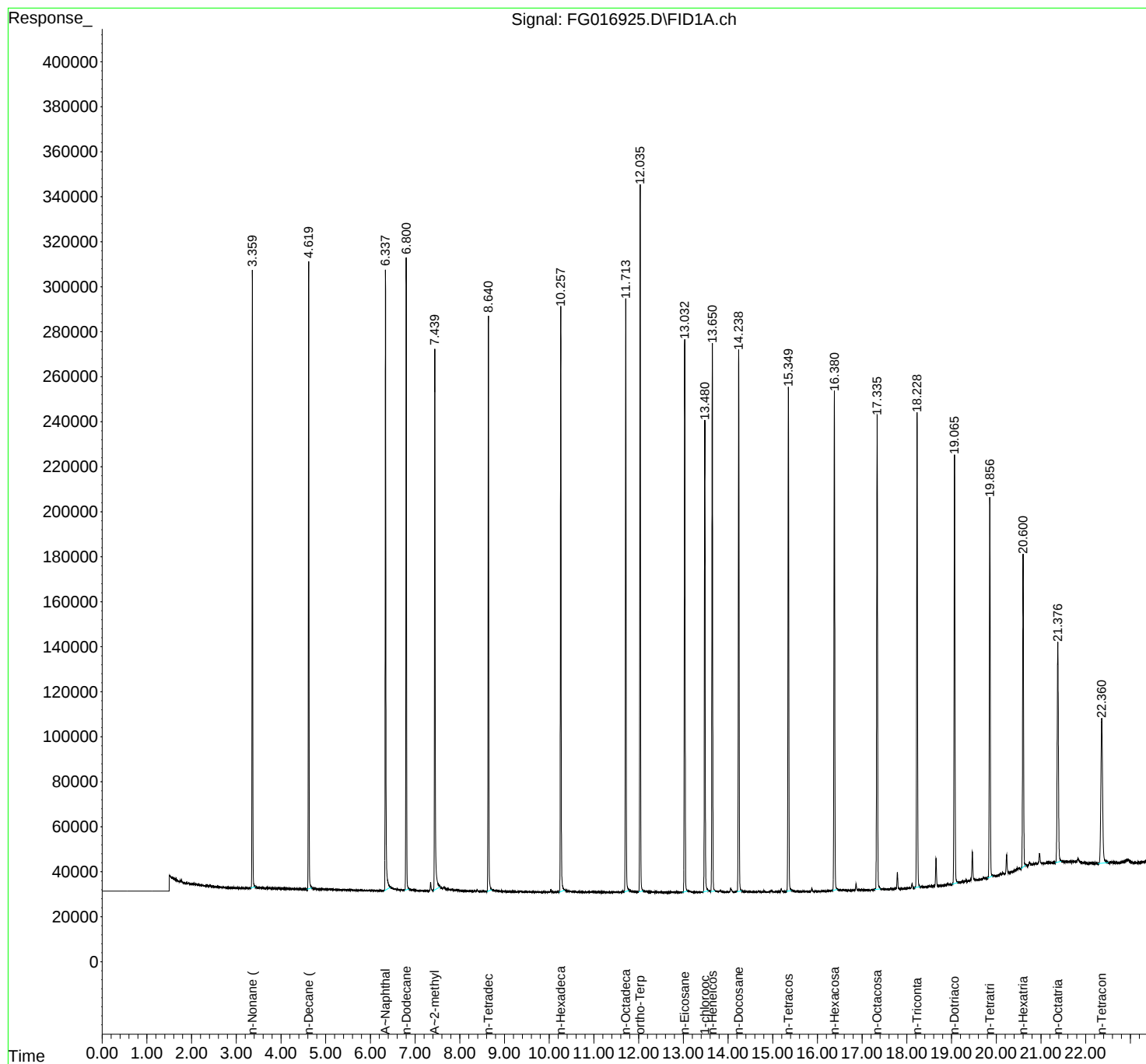
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG111725AL\
Data File : FG016925.D
Signal(s) : FID1A.ch
Acq On : 17 Nov 2025 14:20
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Nov 18 01:20:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 16:21:47 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG111725AL\
 Data File : FG016925.D
 Signal(s) : FID1A.ch
 Acq On : 17 Nov 2025 14:20
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.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	3.360	3.320	3.424	BB	274598	2714259	80.08%	4.544%
2	4.620	4.578	4.694	BB	278496	2776554	81.92%	4.648%
3	6.338	6.308	6.448	BB	275519	2878220	84.92%	4.818%
4	6.801	6.771	6.867	BB	280412	2821599	83.25%	4.723%
5	7.441	7.407	7.557	BB	238681	2709560	79.94%	4.536%
6	8.641	8.608	8.716	BB	255024	2792500	82.39%	4.675%
7	10.258	10.220	10.348	BB	257665	2897370	85.48%	4.850%
8	11.713	11.676	11.788	BB	263926	3013163	88.90%	5.044%
9	12.035	12.003	12.105	BB	314207	3389417	100.00%	5.674%
10	13.032	12.982	13.097	BB	245424	2980452	87.93%	4.989%
11	13.481	13.436	13.563	BB	207592	2563000	75.62%	4.290%
12	13.649	13.613	13.710	BB	242674	2962732	87.41%	4.960%
13	14.239	14.201	14.307	BB	240346	2951342	87.08%	4.940%
14	15.351	15.308	15.420	BB	223270	2947811	86.97%	4.935%
15	16.380	16.342	16.447	BB	222133	2882167	85.03%	4.825%
16	17.336	17.285	17.408	BB	210283	2810987	82.93%	4.706%
17	18.228	18.173	18.301	BB	210368	2833196	83.59%	4.743%
18	19.066	19.011	19.139	BB	190178	2713792	80.07%	4.543%
19	19.856	19.800	19.921	BB	167543	2432764	71.78%	4.072%
20	20.601	20.553	20.660	BB	138556	2064845	60.92%	3.456%
21	21.376	21.314	21.456	BB	97579	1866674	55.07%	3.125%
22	22.360	22.284	22.502	BB	64504	1735706	51.21%	2.906%
Sum of corrected areas:							59738110	

Aliphatic EPH 102925.M Tue Nov 18 03:07:16 2025

Continuing Calibration Report for SequenceID : FG111725AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FG016938.D

Aliphatic C9-C12	7912613.000	60.000	3.260	6.901	131876.883	122003.227	-8.093
Aliphatic C12-C16	5407778.000	40.000	6.902	10.358	135194.450	122851.240	-10.047
Aliphatic C16-C21	8530754.000	60.000	10.359	13.749	142179.233	132396.253	-7.389
Aliphatic C21-C28	10984596.000	80.000	13.750	17.436	137307.450	139034.659	1.242
Aliphatic C28-C40	13085578.000	120.000	17.437	22.460	109046.483	113794.545	4.172
Aliphatic EPH	45921319.000	360.000	3.260	22.460	127559.219	124878.157	-2.147

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	17 Nov 2025 22:56
Client Sample ID:		Operator:	YPAJ
Data file:	FG016938.D	Misc:	
Instrument:	FID_G	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.260	6.901	7912613.000	60.000	ug/ml
Aliphatic C12-C16	6.902	10.358	5407778.000	40.000	ug/ml
Aliphatic C16-C21	10.359	13.749	8530754.000	60.000	ug/ml
Aliphatic C21-C28	13.750	17.436	10984596.000	80.000	ug/ml
Aliphatic C28-C40	17.437	22.460	13085578.000	120.000	ug/ml
Aliphatic EPH	3.260	22.460	45921319.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG111725AL\
 Data File : FG016938.D
 Signal(s) : FID1A.ch
 Acq On : 17 Nov 2025 22:56
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
 Quant Time: Nov 18 01:25:18 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 29 16:21:47 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.034	3215252	20.359 ug/ml
Spiked Amount 50.000		Recovery =	40.72%
12) S 1-chlorooctadecane (S...	13.478	2436929	20.235 ug/ml
Spiked Amount 50.000		Recovery =	40.47%
Target Compounds			
1) T n-Nonane (C9)	3.359	2578019	20.692 ug/ml
2) T n-Decane (C10)	4.620	2641248	20.631 ug/ml
3) T A~Naphthalene (C11.7)	6.337	2730091	20.866 ug/ml
4) T n-Dodecane (C12)	6.800	2693346	20.657 ug/ml
5) T A~2-methylnaphthalene...	7.440	2560585	21.278 ug/ml
6) T n-Tetradecane (C14)	8.640	2654925	20.781 ug/ml
7) T n-Hexadecane (C16)	10.258	2752853	20.833 ug/ml
8) T n-Octadecane (C18)	11.711	2869107	20.588 ug/ml
10) T n-Eicosane (C20)	13.030	2840854	20.324 ug/ml
11) T n-Heneicosane (C21)	13.646	2820793	20.289 ug/ml
13) T n-Docosane (C22)	14.236	2802029	19.805 ug/ml
14) T n-Tetracosane (C24)	15.348	2790656	18.980 ug/ml
15) T n-Hexacosane (C26)	16.376	2725539	18.578 ug/ml
16) T n-Octacosane (C28)	17.332	2666372	18.113 ug/ml
17) T n-Tricontane (C30)	18.226	2730946	18.048 ug/ml
18) T n-Dotriacontane (C32)	19.063	2633699	17.867 ug/ml
19) T n-Tetratriacontane (C34)	19.852	2355246	18.277 ug/ml
20) T n-Hexatriacontane (C36)	20.596	1976970	19.100 ug/ml
21) T n-Octatriacontane (C38)	21.369	1767539	20.049 ug/ml
22) T n-Tetracontane (C40)	22.350	1621178	20.705 ug/ml

(f)=RT Delta > 1/2 Window

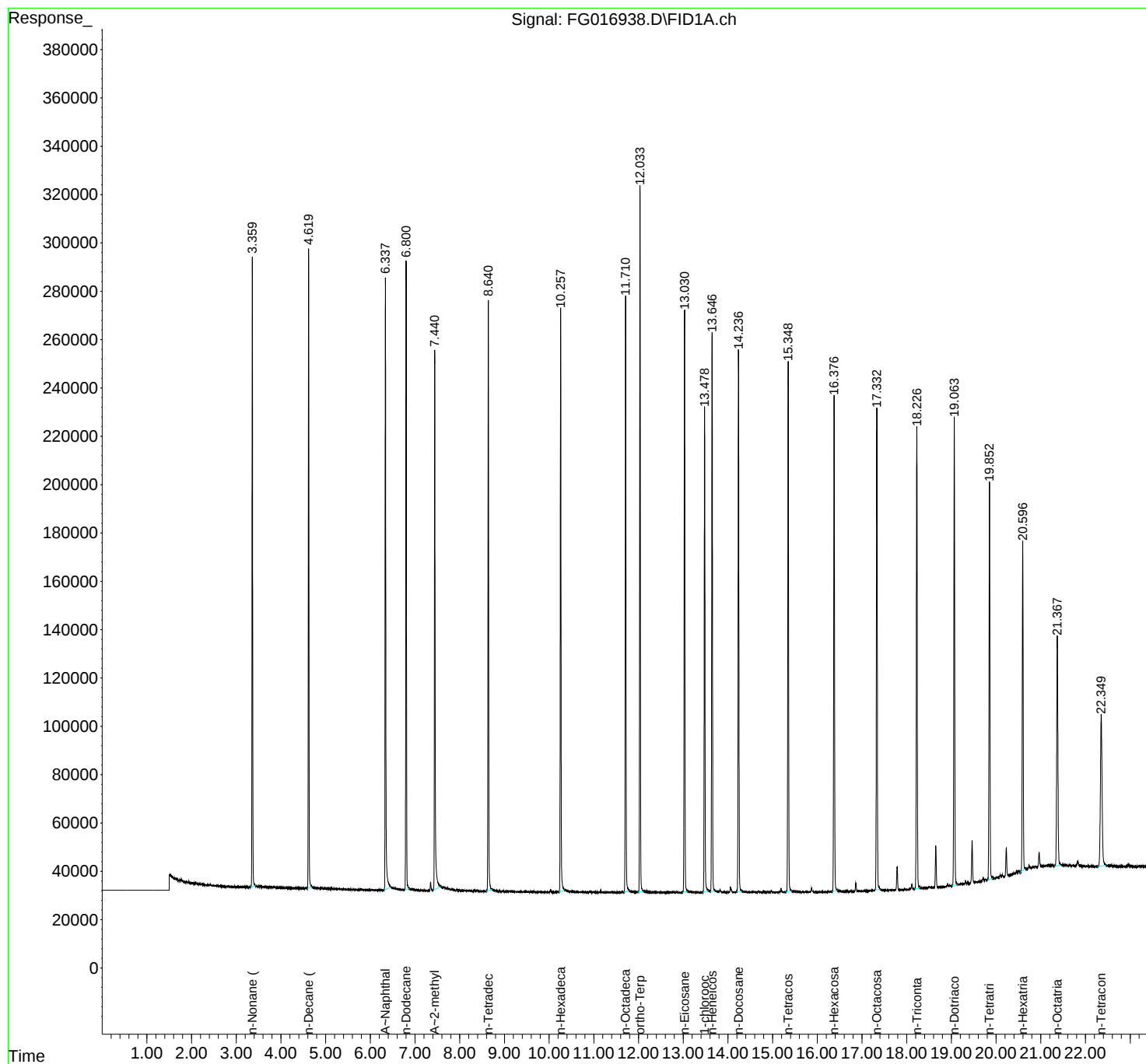
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG111725AL\
Data File : FG016938.D
Signal(s) : FID1A.ch
Acq On : 17 Nov 2025 22:56
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Nov 18 01:25:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 16:21:47 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG111725AL\
 Data File : FG016938.D
 Signal(s) : FID1A.ch
 Acq On : 17 Nov 2025 22:56
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.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	3.359	3.320	3.428	BB	260059	2578019	80.18%	4.534%
2	4.620	4.582	4.692	BB	263989	2641248	82.15%	4.645%
3	6.337	6.309	6.455	BB	252903	2730091	84.91%	4.801%
4	6.800	6.763	6.871	BB	260293	2693346	83.77%	4.736%
5	7.440	7.406	7.567	BB	222950	2560585	79.64%	4.503%
6	8.640	8.595	8.722	BB	244219	2654925	82.57%	4.669%
7	10.258	10.217	10.347	BB	241443	2752853	85.62%	4.841%
8	11.711	11.663	11.795	BB	246747	2869107	89.23%	5.046%
9	12.034	11.987	12.107	BB	292175	3215252	100.00%	5.654%
10	13.030	12.987	13.098	BB	240095	2840854	88.36%	4.996%
11	13.478	13.435	13.559	BB	200775	2436929	75.79%	4.286%
12	13.646	13.609	13.713	BB	230457	2820793	87.73%	4.961%
13	14.237	14.192	14.312	BB	223927	2802029	87.15%	4.928%
14	15.348	15.300	15.425	BB	218424	2790656	86.79%	4.908%
15	16.376	16.329	16.448	BB	204870	2725539	84.77%	4.793%
16	17.332	17.290	17.410	BB	198542	2666372	82.93%	4.689%
17	18.226	18.175	18.300	BB	189321	2730946	84.94%	4.803%
18	19.063	19.012	19.136	BB	193572	2633699	81.91%	4.632%
19	19.852	19.800	19.922	BB	164368	2355246	73.25%	4.142%
20	20.596	20.535	20.647	BB	135954	1976970	61.49%	3.477%
21	21.369	21.308	21.451	BB	93692	1767539	54.97%	3.108%
22	22.350	22.275	22.459	BB	62478	1621178	50.42%	2.851%
Sum of corrected areas:							56864175	

Aliphatic EPH 102925.M Tue Nov 18 03:11:30 2025

Continuing Calibration Report for SequenceID : FG112025AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FG016956.D

Aliphatic C9-C12	8189375.000	60.000	3.258	6.899	136489.583	122003.227	-11.874
Aliphatic C12-C16	5612132.000	40.000	6.900	10.356	140303.300	122851.240	-14.206
Aliphatic C16-C21	8831800.000	60.000	10.357	13.743	147196.667	132396.253	-11.179
Aliphatic C21-C28	11474845.000	80.000	13.744	17.429	143435.563	139034.659	-3.165
Aliphatic C28-C40	13319255.000	120.000	17.430	22.445	110993.792	113794.545	2.461
Aliphatic EPH	47427407.000	360.000	3.258	22.445	131742.797	124878.157	-5.497

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	20 Nov 2025 10:36
Client Sample ID:		Operator:	YPAJ
Data file:	FG016956.D	Misc:	
Instrument:	FID_G	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.258	6.899	8189375.000	60.000	ug/ml
Aliphatic C12-C16	6.900	10.356	5612132.000	40.000	ug/ml
Aliphatic C16-C21	10.357	13.743	8831800.000	60.000	ug/ml
Aliphatic C21-C28	13.744	17.429	11474845.000	80.000	ug/ml
Aliphatic C28-C40	17.430	22.445	13319255.000	120.000	ug/ml
Aliphatic EPH	3.258	22.445	47427407.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG112025AL\
 Data File : FG016956.D
 Signal(s) : FID1A.ch
 Acq On : 20 Nov 2025 10:36
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
 Quant Time: Nov 20 23:49:03 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 29 16:21:47 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.031	3324212	21.049 ug/ml
Spiked Amount 50.000		Recovery =	42.10%
12) S 1-chlorooctadecane (S...	13.476	2514025	20.875 ug/ml
Spiked Amount 50.000		Recovery =	41.75%
Target Compounds			
1) T n-Nonane (C9)	3.358	2664934	21.390 ug/ml
2) T n-Decane (C10)	4.618	2733742	21.353 ug/ml
3) T A~Naphthalene (C11.7)	6.336	2813966	21.507 ug/ml
4) T n-Dodecane (C12)	6.799	2790699	21.404 ug/ml
5) T A~2-methylnaphthalene...	7.439	2634588	21.893 ug/ml
6) T n-Tetradecane (C14)	8.638	2761686	21.617 ug/ml
7) T n-Hexadecane (C16)	10.256	2850446	21.572 ug/ml
8) T n-Octadecane (C18)	11.708	2970587	21.317 ug/ml
10) T n-Eicosane (C20)	13.027	2945568	21.073 ug/ml
11) T n-Heneicosane (C21)	13.643	2915645	20.971 ug/ml
13) T n-Docosane (C22)	14.234	2926965	20.688 ug/ml
14) T n-Tetracosane (C24)	15.344	2914495	19.823 ug/ml
15) T n-Hexacosane (C26)	16.372	2850726	19.431 ug/ml
16) T n-Octacosane (C28)	17.329	2782659	18.903 ug/ml
17) T n-Tricontane (C30)	18.221	2808187	18.559 ug/ml
18) T n-Dotriacontane (C32)	19.059	2695820	18.288 ug/ml
19) T n-Tetratriacontane (C34)	19.847	2391857	18.561 ug/ml
20) T n-Hexatriacontane (C36)	20.591	2011254	19.432 ug/ml
21) T n-Octatriacontane (C38)	21.364	1794514	20.355 ug/ml
22) T n-Tetracontane (C40)	22.345	1617623	20.659 ug/ml

(f)=RT Delta > 1/2 Window

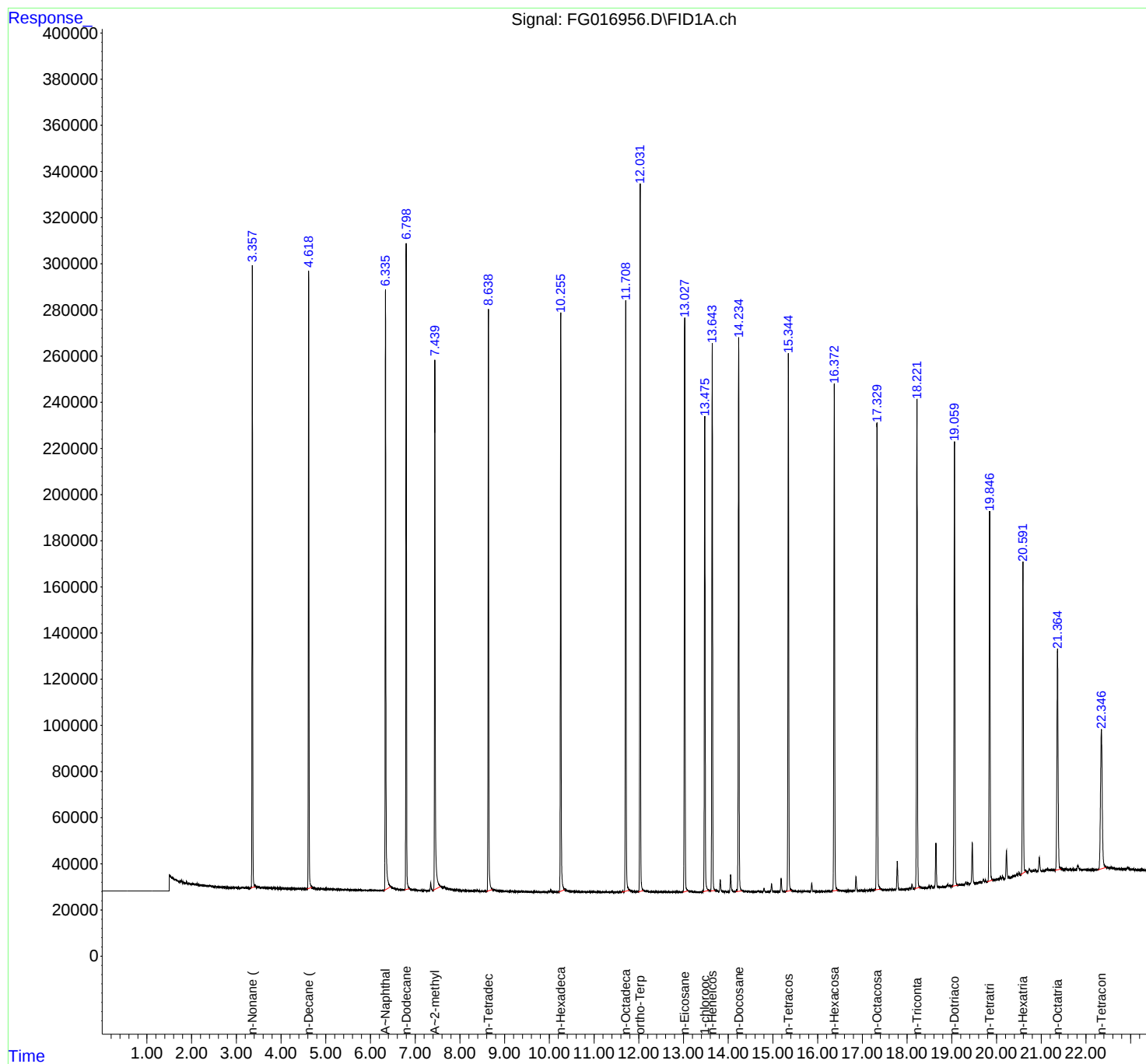
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG112025AL\
Data File : FG016956.D
Signal(s) : FID1A.ch
Acq On : 20 Nov 2025 10:36
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Nov 20 23:49:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 16:21:47 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG112025AL\
Data File : FG016956.D
Signal(s) : FID1A.ch
Acq On : 20 Nov 2025 10:36
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.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	3.358	3.320	3.428	BB	269403	2664934	80.17%	4.539%
2	4.618	4.575	4.693	BB	267524	2733742	82.24%	4.656%
3	6.336	6.302	6.450	BB	259608	2813966	84.65%	4.793%
4	6.799	6.758	6.872	BB	279749	2790699	83.95%	4.753%
5	7.439	7.400	7.567	BB	228570	2634588	79.25%	4.487%
6	8.638	8.601	8.729	BB	251889	2761686	83.08%	4.704%
7	10.256	10.208	10.347	BB	250394	2850446	85.75%	4.855%
8	11.708	11.616	11.791	BB	256139	2970587	89.36%	5.059%
9	12.031	11.995	12.107	BB	305254	3324212	100.00%	5.662%
10	13.027	12.988	13.100	BB	248458	2945568	88.61%	5.017%
11	13.476	13.432	13.560	BB	205305	2514025	75.63%	4.282%
12	13.643	13.608	13.711	BB	237273	2915645	87.71%	4.966%
13	14.234	14.168	14.307	BB	239255	2926965	88.05%	4.985%
14	15.344	15.285	15.419	BB	232352	2914495	87.67%	4.964%
15	16.372	16.334	16.449	BB	219220	2850726	85.76%	4.855%
16	17.329	17.276	17.408	BB	201284	2782659	83.71%	4.739%
17	18.221	18.169	18.290	BB	211392	2808187	84.48%	4.783%
18	19.059	19.001	19.136	BB	191849	2695820	81.10%	4.591%
19	19.847	19.789	19.915	BB	159811	2391857	71.95%	4.074%
20	20.591	20.538	20.655	BB	134778	2011254	60.50%	3.425%
21	21.364	21.305	21.447	BB	95596	1794514	53.98%	3.056%
22	22.345	22.270	22.451	BB	59994	1617623	48.66%	2.755%
Sum of corrected areas:						58714197		

Aliphatic EPH 102925.M Fri Nov 21 00:21:52 2025

Continuing Calibration Report for SequenceID : FG112025AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FG016963.D

Aliphatic C9-C12	7779432.000	60.000	3.258	6.899	129657.200	122003.227	-6.274
Aliphatic C12-C16	5321494.000	40.000	6.900	10.356	133037.350	122851.240	-8.291
Aliphatic C16-C21	8375437.000	60.000	10.357	13.743	139590.617	132396.253	-5.434
Aliphatic C21-C28	10879586.000	80.000	13.744	17.429	135994.825	139034.659	2.186
Aliphatic C28-C40	13293839.000	120.000	17.430	22.445	110781.992	113794.545	2.647
Aliphatic EPH	45649788.000	360.000	3.258	22.445	126804.967	124878.157	-1.543

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	20 Nov 2025 17:15
Client Sample ID:		Operator:	YPAJ
Data file:	FG016963.D	Misc:	
Instrument:	FID_G	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.258	6.899	7779432.000	60.000	ug/ml
Aliphatic C12-C16	6.900	10.356	5321494.000	40.000	ug/ml
Aliphatic C16-C21	10.357	13.743	8375437.000	60.000	ug/ml
Aliphatic C21-C28	13.744	17.429	10879586.000	80.000	ug/ml
Aliphatic C28-C40	17.430	22.445	13293839.000	120.000	ug/ml
Aliphatic EPH	3.258	22.445	45649788.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG112025AL\
 Data File : FG016963.D
 Signal(s) : FID1A.ch
 Acq On : 20 Nov 2025 17:15
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
 Quant Time: Nov 20 23:51:33 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 29 16:21:47 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.032	3146294	19.922 ug/ml
Spiked Amount 50.000		Recovery =	39.84%
12) S 1-chlorooctadecane (S...	13.478	2385957	19.811 ug/ml
Spiked Amount 50.000		Recovery =	39.62%
Target Compounds			
1) T n-Nonane (C9)	3.357	2533467	20.335 ug/ml
2) T n-Decane (C10)	4.618	2594740	20.268 ug/ml
3) T A~Naphthalene (C11.7)	6.336	2658038	20.315 ug/ml
4) T n-Dodecane (C12)	6.799	2651225	20.334 ug/ml
5) T A~2-methylnaphthalene...	7.439	2468981	20.517 ug/ml
6) T n-Tetradecane (C14)	8.639	2615122	20.470 ug/ml
7) T n-Hexadecane (C16)	10.258	2706372	20.482 ug/ml
8) T n-Octadecane (C18)	11.711	2824089	20.265 ug/ml
10) T n-Eicosane (C20)	13.029	2790204	19.961 ug/ml
11) T n-Heneicosane (C21)	13.646	2761144	19.860 ug/ml
13) T n-Docosane (C22)	14.236	2767203	19.559 ug/ml
14) T n-Tetracosane (C24)	15.346	2742452	18.653 ug/ml
15) T n-Hexacosane (C26)	16.375	2695144	18.371 ug/ml
16) T n-Octacosane (C28)	17.331	2674787	18.170 ug/ml
17) T n-Tricontane (C30)	18.224	2775450	18.342 ug/ml
18) T n-Dotriacontane (C32)	19.062	2726673	18.498 ug/ml
19) T n-Tetratriacontane (C34)	19.849	2423720	18.808 ug/ml
20) T n-Hexatriacontane (C36)	20.594	2003589	19.358 ug/ml
21) T n-Octatriacontane (C38)	21.367	1767292	20.046 ug/ml
22) T n-Tetracontane (C40)	22.349	1597115	20.397 ug/ml

(f)=RT Delta > 1/2 Window

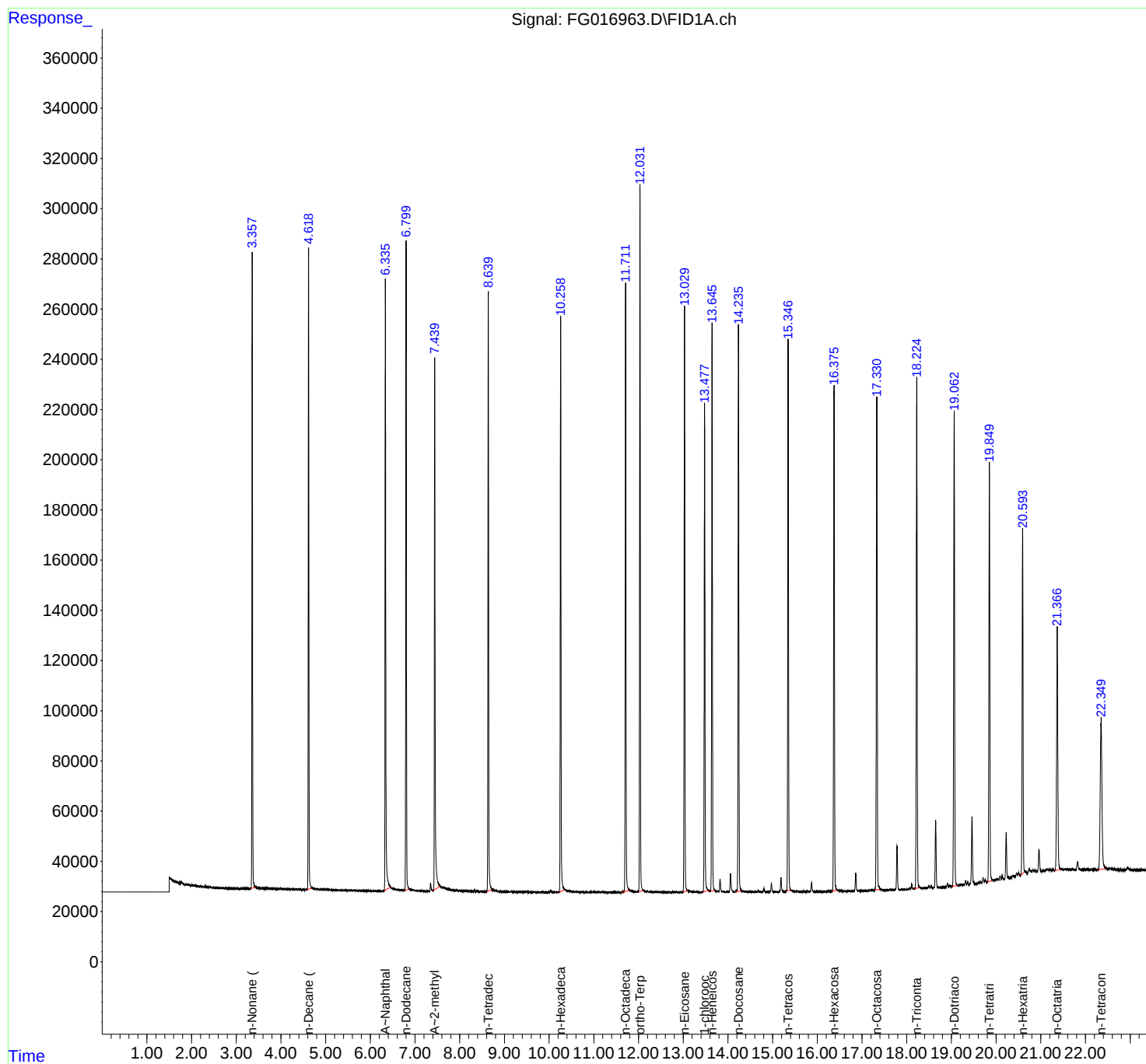
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG112025AL\
Data File : FG016963.D
Signal(s) : FID1A.ch
Acq On : 20 Nov 2025 17:15
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Nov 20 23:51:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 16:21:47 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG112025AL\
Data File : FG016963.D
Signal(s) : FID1A.ch
Acq On : 20 Nov 2025 17:15
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.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	3.357	3.314	3.432	BB	253331	2533467	80.52%	4.499%
2	4.618	4.579	4.694	BB	255349	2594740	82.47%	4.608%
3	6.336	6.302	6.454	BB	242767	2658038	84.48%	4.720%
4	6.799	6.760	6.874	BB	258604	2651225	84.27%	4.708%
5	7.439	7.394	7.562	BB	211494	2468981	78.47%	4.385%
6	8.639	8.603	8.725	BB	238793	2615122	83.12%	4.644%
7	10.258	10.225	10.347	BB	229027	2706372	86.02%	4.806%
8	11.711	11.620	11.800	BB	242127	2824089	89.76%	5.015%
9	12.032	11.999	12.105	BB	280271	3146294	100.00%	5.588%
10	13.029	12.994	13.097	BB	233296	2790204	88.68%	4.955%
11	13.478	13.441	13.562	BB	191920	2385957	75.83%	4.237%
12	13.646	13.602	13.715	BB	226241	2761144	87.76%	4.904%
13	14.236	14.169	14.309	BB	224551	2767203	87.95%	4.914%
14	15.346	15.310	15.418	BB	219220	2742452	87.16%	4.870%
15	16.375	16.327	16.450	BB	200304	2695144	85.66%	4.786%
16	17.331	17.284	17.409	BB	195939	2674787	85.01%	4.750%
17	18.224	18.170	18.287	BB	203562	2775450	88.21%	4.929%
18	19.062	19.005	19.136	BB	189131	2726673	86.66%	4.842%
19	19.849	19.797	19.921	BB	166329	2423720	77.03%	4.304%
20	20.594	20.541	20.641	BB	135388	2003589	63.68%	3.558%
21	21.367	21.305	21.448	BB	96892	1767292	56.17%	3.139%
22	22.349	22.272	22.460	BB	60756	1597115	50.76%	2.836%
Sum of corrected areas:						56309058		

Aliphatic EPH 102925.M Fri Nov 21 00:23:06 2025



QC SAMPLE DATA

Report of Analysis

Client:	Remington & Vernick Engineers		Date Collected:	
Project:	Edison Landfill		Date Received:	
Client Sample ID:	PB170577BL		SDG No.:	Q3586
Lab Sample ID:	PB170577BL		Matrix:	Solid
Analytical Method:	NJEPH		% Solid:	100
Sample Wt/Vol:	30.01 g	Final Vol: 2000 uL	Test:	EPH
Prep Method :		Prep Date : 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C9-C12	Aliphatic C9-C12	0.14	U	1	0.14	1.00	mg/kg	FG016957.D	11/20/25 11:09	PB170577
Aliphatic C12-C16	Aliphatic C12-C16	0.11	U	1	0.11	0.67	mg/kg	FG016957.D	11/20/25 11:09	PB170577
Aliphatic C16-C21	Aliphatic C16-C21	0.13	U	1	0.13	1.00	mg/kg	FG016957.D	11/20/25 11:09	PB170577
Aliphatic C21-C28	Aliphatic C21-C28	0.53	U	1	0.53	1.33	mg/kg	FG016957.D	11/20/25 11:09	PB170577
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1	1.18	2.00	mg/kg	FG016957.D	11/20/25 11:09	PB170577
Aromatic C10-C12	Aromatic C10-C12	0.12	U	1	0.12	0.67	mg/kg	FF016719.D	11/17/25 16:34	PB170577
Aromatic C12-C16	Aromatic C12-C16	0.23	U	1	0.23	1.00	mg/kg	FF016719.D	11/17/25 16:34	PB170577
Aromatic C16-C21	Aromatic C16-C21	0.40	U	1	0.40	1.67	mg/kg	FF016719.D	11/17/25 16:34	PB170577
Aromatic C21-C36	Aromatic C21-C36	1.19	U	1	1.19	2.67	mg/kg	FF016719.D	11/17/25 16:34	PB170577
Total AliphaticEPH	Total AliphaticEPH	2.09	U		2.09	6.00	mg/kg			
Total AromaticEPH	Total AromaticEPH	1.94	U		1.94	6.01	mg/kg			
Total EPH	Total EPH	4.03	U		4.03	12.0	mg/kg			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Remington & Vernick Engineers		Date Collected:	
Project:	Edison Landfill		Date Received:	
Client Sample ID:	PB170577BL		SDG No.:	Q3586
Lab Sample ID:	PB170577BL		Matrix:	Solid
Analytical Method:	NJEPH		% Solid:	100
Sample Wt/Vol:	30.01 g	Final Vol:	2000 uL	Test:
Prep Method :		Prep Date	11/17/25	EPH

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aromatic C10-C12	Aromatic C10-C12	0.12	U	1	0.12	0.67	mg/kg	11/17/25	PB170577
Aromatic C12-C16	Aromatic C12-C16	0.23	U	1	0.23	1.00	mg/kg	11/17/25	PB170577
Aromatic C16-C21	Aromatic C16-C21	0.40	U	1	0.40	1.67	mg/kg	11/17/25	PB170577
Aromatic C21-C36	Aromatic C21-C36	1.19	U	1	1.19	2.67	mg/kg	11/17/25	PB170577
SURROGATES									
580-13-2	2-Bromonaphthalene (SURR)	50.6			40 - 140	101%	SPK: 50		
321-60-8	2-Fluorobiphenyl (SURR)	53.3			40 - 140	106%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	40.2			40 - 140	80%	SPK: 50		

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB170577BL	Acq On:	17 Nov 2025 16:34
Client Sample ID:	PB170577BL	Operator:	YP\AJ
Data file:	FF016719.D	Misc:	
Instrument:	FID_F	ALS Vial:	73
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.502	6.378	0	0	200	ug/ml
Aromatic C12-C16	6.379	9.083	0	0	300	ug/ml
Aromatic C16-C21	9.084	13.405	0	0	500	ug/ml
Aromatic C21-C36	13.406	18.870	0	0	800	ug/ml
Aromatic EPH	4.502	18.870	0	0		ug/ml
2-Bromonaphthalene (SURR)	8.002	8.002	5732178	50.58		ug/ml
2-Fluorobiphenyl (SURR)	8.879	8.879	3797616	53.25		ug/ml
ortho-Terphenyl (SURR)	11.949	11.949	5908012	40.23		ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111725AR\
 Data File : FF016719.D
 Signal(s) : FID2B.ch
 Acq On : 17 Nov 2025 16:34
 Operator : YP\AJ
 Sample : PB170577BL
 Misc :
 ALS Vial : 73 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 PB170577BL

Integration File: autoint1.e
 Quant Time: Nov 18 00:32:10 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 29 18:27:43 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	8.002	5732178	50.583 ug/ml
Spiked Amount 50.000		Recovery =	101.17%
6) S 2-Fluorobiphenyl (SURR)	8.879	3797616	53.247 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	106.49%
11) S ortho-Terphenyl (SURR)	11.949	5908012	40.231 ug/ml
Spiked Amount 50.000		Recovery =	80.46%

Target Compounds

(f)=RT Delta > 1/2 Window

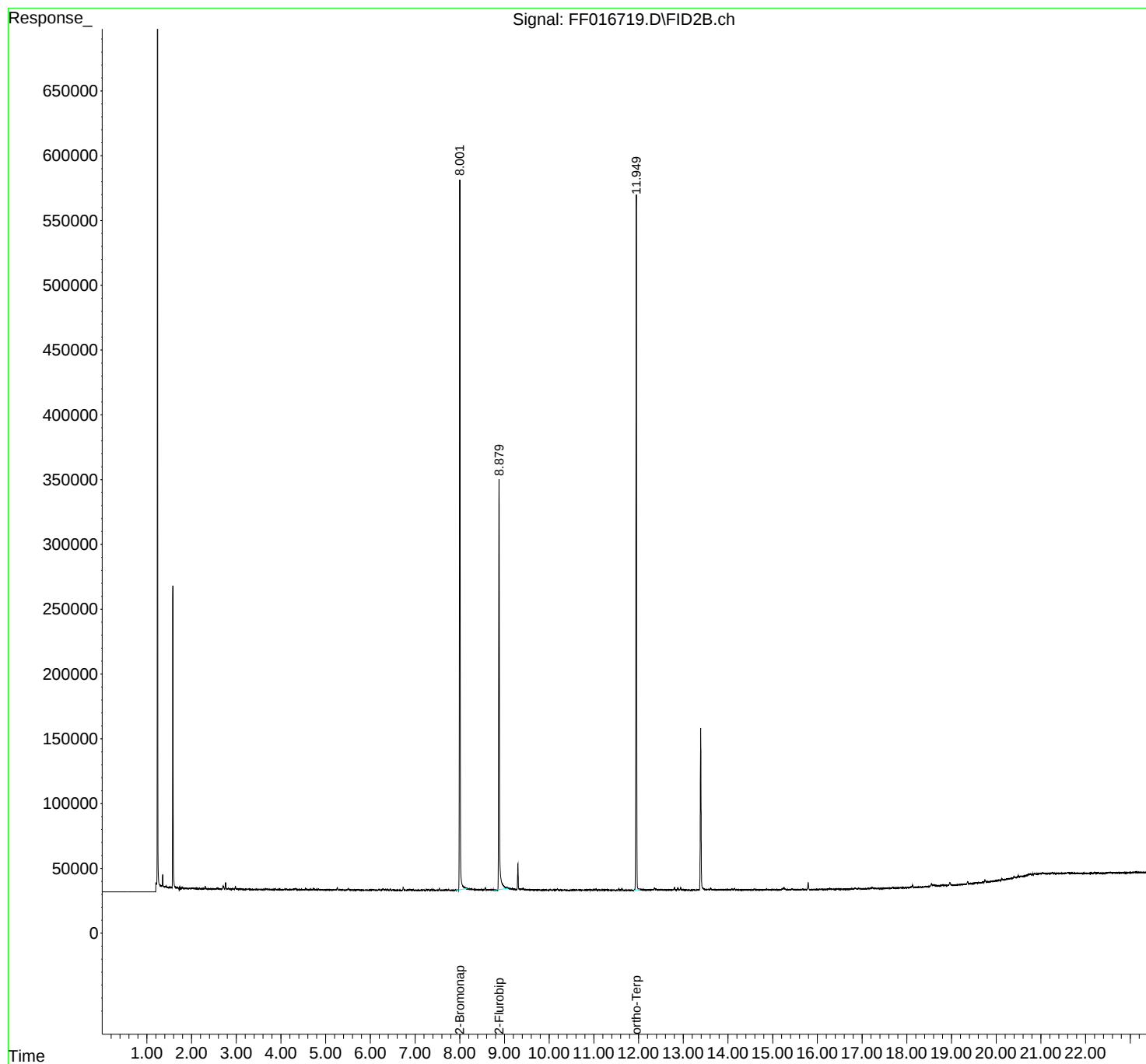
(m)=manual int.

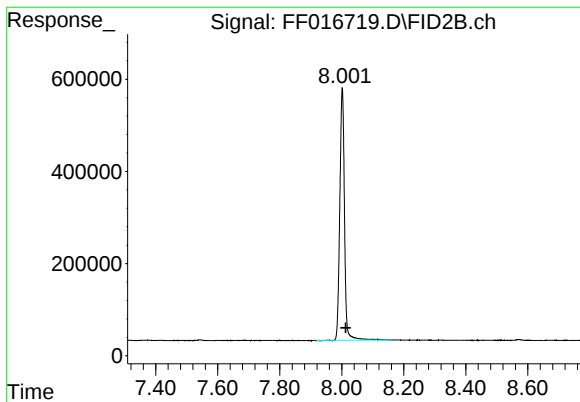
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111725AR\
Data File : FF016719.D
Signal(s) : FID2B.ch
Acq On : 17 Nov 2025 16:34
Operator : YP\AJ
Sample : PB170577BL
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
PB170577BL

Integration File: autoint1.e
Quant Time: Nov 18 00:32:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 18:27:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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

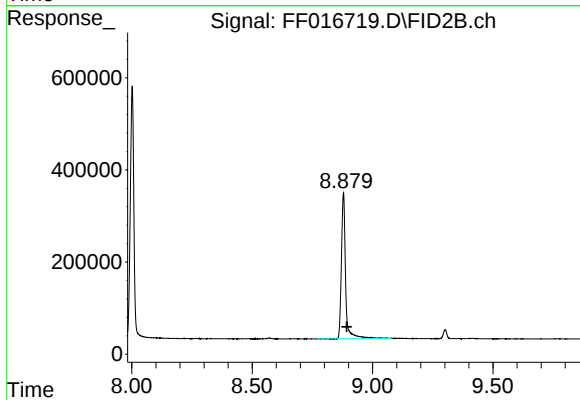




#4 2-Bromonaphthalene (SURRE)

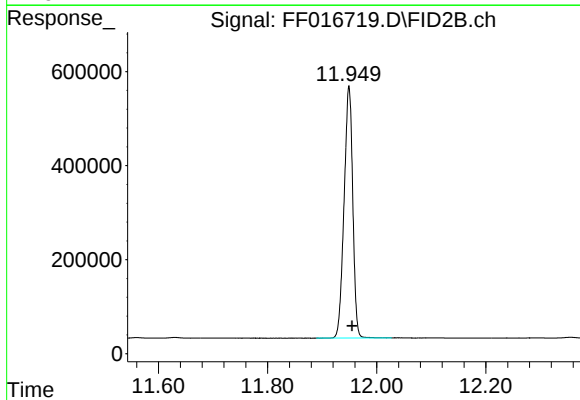
R.T.: 8.002 min
Delta R.T.: -0.011 min
Response: 5732178
Conc: 50.58 ug/ml

Instrument :
FID_F
ClientSampleId :
PB170577BL



#6 2-Fluorobiphenyl (SURRE)

R.T.: 8.879 min
Delta R.T.: -0.014 min
Response: 3797616
Conc: 53.25 ug/ml



#11 ortho-Terphenyl (SURRE)

R.T.: 11.949 min
Delta R.T.: -0.006 min
Response: 5908012
Conc: 40.23 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111725AR\
Data File : FF016719.D
Signal(s) : FID2B.ch
Acq On : 17 Nov 2025 16:34
Sample : PB170577BL
Misc :
ALS Vial : 73 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.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	8.002	7.917	8.161	BB	549443	5732178	97.02%	37.131%
2	8.879	8.766	9.079	BB	316707	3797616	64.28%	24.599%
3	11.949	11.889	12.027	BB	535848	5908012	100.00%	38.270%
Sum of corrected areas:							15437807	

Aromatic EPH 102925.M Tue Nov 18 01:11:45 2025

Report of Analysis

Client:	Remington & Vernick Engineers		Date Collected:	
Project:	Edison Landfill		Date Received:	
Client Sample ID:	PB170577BL		SDG No.:	Q3586
Lab Sample ID:	PB170577BL		Matrix:	Solid
Analytical Method:	NJEPH		% Solid:	100
Sample Wt/Vol:	30.01 g	Final Vol:	2000 uL	Test:
Prep Method :		Prep Date	11/17/25	EPH

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C12	Aliphatic C9-C12	0.14	U	1	0.14	1.00	mg/kg	11/20/25	PB170577
Aliphatic C12-C16	Aliphatic C12-C16	0.11	U	1	0.11	0.67	mg/kg	11/20/25	PB170577
Aliphatic C16-C21	Aliphatic C16-C21	0.13	U	1	0.13	1.00	mg/kg	11/20/25	PB170577
Aliphatic C21-C28	Aliphatic C21-C28	0.53	U	1	0.53	1.33	mg/kg	11/20/25	PB170577
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1	1.18	2.00	mg/kg	11/20/25	PB170577
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	24.8			40 - 140	50%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	0.00			40 - 140	0%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB170577BL	Acq On:	20 Nov 2025 11:09
Client Sample ID:	PB170577BL	Operator:	YP\AJ
Data file:	FG016957.D	Misc:	
Instrument:	FID_G	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.258	6.899	0	0	300	ug/ml
Aliphatic C12-C16	6.900	10.356	0	0	200	ug/ml
Aliphatic C16-C21	10.357	13.743	0	0	300	ug/ml
Aliphatic C21-C28	13.744	17.429	0	0	400	ug/ml
Aliphatic C28-C40	17.430	22.445	0	0	600	ug/ml
Aliphatic EPH	3.258	22.445	0	0		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.478	13.478	2987792	24.81		ug/ml
Aliphatic C9-C28	3.258	17.429	0	0	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG112025AL\
Data File : FG016957.D
Signal(s) : FID1A.ch
Acq On : 20 Nov 2025 11:09
Operator : YP\AJ
Sample : PB170577BL
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PB170577BL

Integration File: autoint1.e
Quant Time: Nov 20 23:49:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 16:21:47 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.478	2987792	24.809 ug/ml
Spiked Amount 50.000		Recovery =	49.62%

Target Compounds

(f)=RT Delta > 1/2 Window

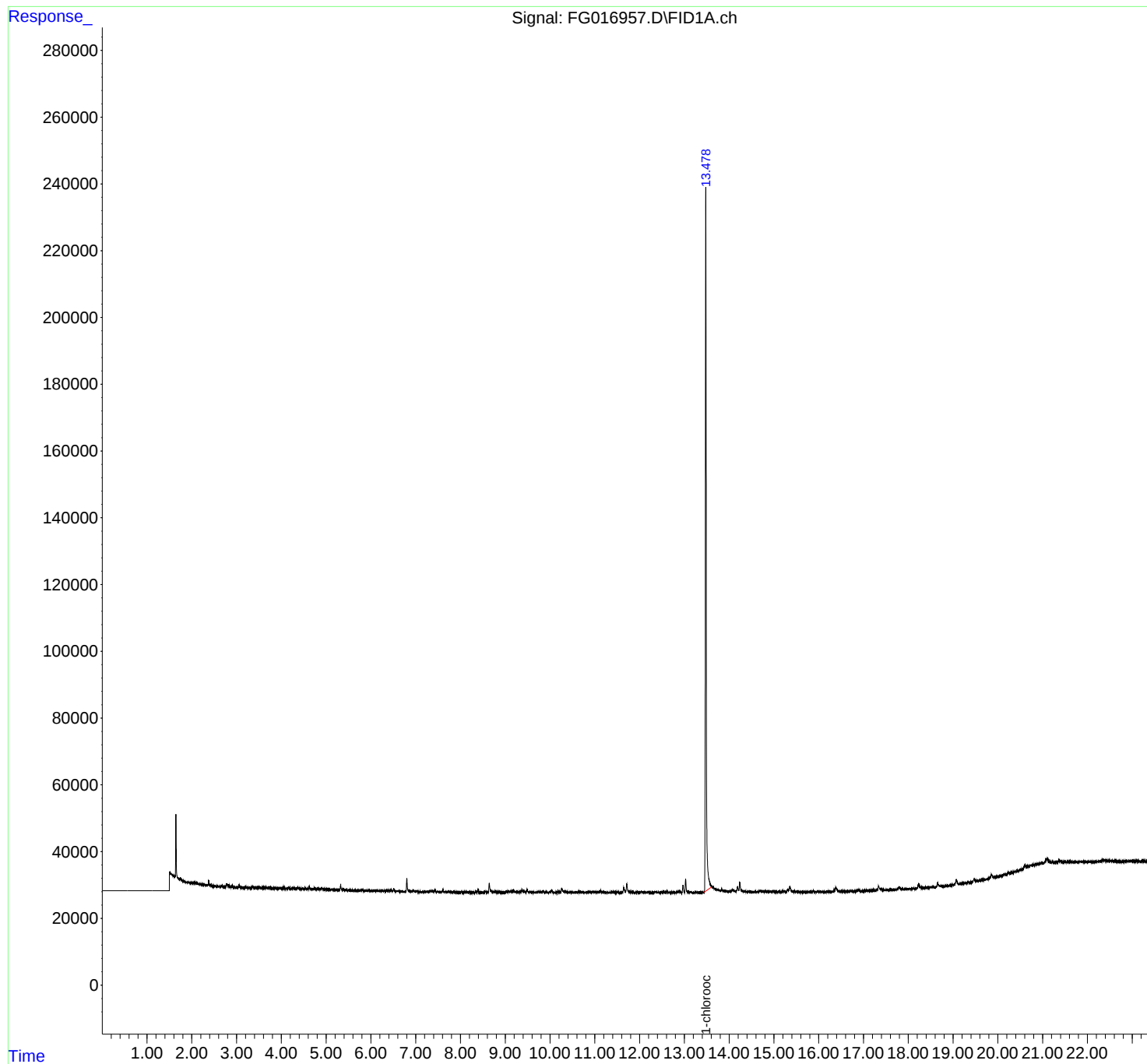
(m)=manual int.

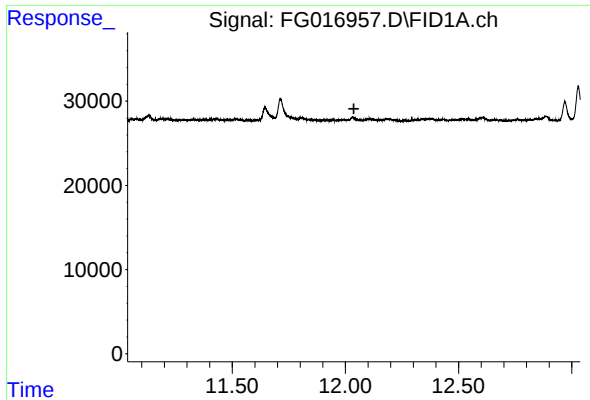
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG112025AL\
Data File : FG016957.D
Signal(s) : FID1A.ch
Acq On : 20 Nov 2025 11:09
Operator : YP\AJ
Sample : PB170577BL
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PB170577BL

Integration File: autoint1.e
Quant Time: Nov 20 23:49:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 16:21:47 2025
Response via : Initial Calibration
Integrator: ChemStation

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

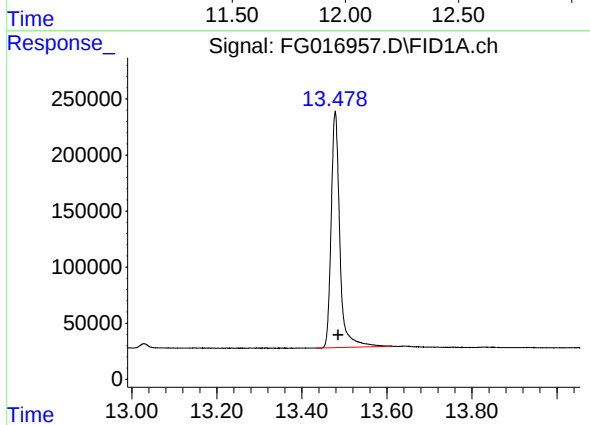




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 12.038 min
Response: 0
Conc: N.D.

Instrument :
FID_G
ClientSampleId :
PB170577BL



#12 1-chlorooctadecane (SURR)

R.T.: 13.478 min
Delta R.T.: -0.007 min
Response: 2987792
Conc: 24.81 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG112025AL\
Data File : FG016957.D
Signal(s) : FID1A.ch
Acq On : 20 Nov 2025 11:09
Sample : PB170577BL
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	13.478	13.434	13.611	BB	210899	2987792	100.00%	100.000%
Sum of corrected areas:						2987792		

Aliphatic EPH 102925.M Fri Nov 21 00:22:10 2025

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	
Project:	Edison Landfill	Date Received:	
Client Sample ID:	PB170577BS	SDG No.:	Q3586
Lab Sample ID:	PB170577BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 g	Test:	EPH
Prep Method :			
	Final Vol: 2000 uL		
	Prep Date : 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C9-C12	Aliphatic C9-C12	5.57		1	0.14	1.00	mg/kg	FG016927.D	11/17/25 17:03	PB170577
Aliphatic C12-C16	Aliphatic C12-C16	5.04		1	0.11	0.67	mg/kg	FG016927.D	11/17/25 17:03	PB170577
Aliphatic C16-C21	Aliphatic C16-C21	8.70		1	0.13	1.00	mg/kg	FG016927.D	11/17/25 17:03	PB170577
Aliphatic C21-C28	Aliphatic C21-C28	11.0		1	0.53	1.33	mg/kg	FG016927.D	11/17/25 17:03	PB170577
Aliphatic C28-C40	Aliphatic C28-C40	16.5		1	1.18	2.00	mg/kg	FG016927.D	11/17/25 17:03	PB170577
Aromatic C10-C12	Aromatic C10-C12	5.25		1	0.12	0.67	mg/kg	FF016717.D	11/17/25 15:00	PB170577
Aromatic C12-C16	Aromatic C12-C16	8.68		1	0.23	1.00	mg/kg	FF016717.D	11/17/25 15:00	PB170577
Aromatic C16-C21	Aromatic C16-C21	15.1		1	0.40	1.67	mg/kg	FF016717.D	11/17/25 15:00	PB170577
Aromatic C21-C36	Aromatic C21-C36	26.4		1	1.19	2.66	mg/kg	FF016717.D	11/17/25 15:00	PB170577
Total AliphaticEPH	Total AliphaticEPH	46.8			2.09	5.99	mg/kg			
Total AromaticEPH	Total AromaticEPH	55.4			1.94	6.00	mg/kg			
Total EPH	Total EPH	102			4.03	12.0	mg/kg			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Remington & Vernick Engineers		Date Collected:	
Project:	Edison Landfill		Date Received:	
Client Sample ID:	PB170577BS		SDG No.:	Q3586
Lab Sample ID:	PB170577BS		Matrix:	Solid
Analytical Method:	NJEPH		% Solid:	100
Sample Wt/Vol:	30.03 g	Final Vol:	2000 uL	Test:
Prep Method :		Prep Date	11/17/25	EPH

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aromatic C10-C12	Aromatic C10-C12	5.25	1		0.12	0.67	mg/kg	11/17/25	PB170577
Aromatic C12-C16	Aromatic C12-C16	8.68	1		0.23	1.00	mg/kg	11/17/25	PB170577
Aromatic C16-C21	Aromatic C16-C21	15.1	1		0.40	1.67	mg/kg	11/17/25	PB170577
Aromatic C21-C36	Aromatic C21-C36	26.4	1		1.19	2.66	mg/kg	11/17/25	PB170577
SURROGATES									
580-13-2	2-Bromonaphthalene (SURR)	58.8			40 - 140	118%	SPK: 50		
321-60-8	2-Fluorobiphenyl (SURR)	59.7			40 - 140	119%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	43.4			40 - 140	87%	SPK: 50		

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB170577BS	Acq On:	17 Nov 2025 15:00
Client Sample ID:	PB170577BS	Operator:	YP\AJ
Data file:	FF016717.D	Misc:	
Instrument:	FID_F	ALS Vial:	71
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.502	6.378	10401850	78.824	200	ug/ml
Aromatic C12-C16	6.379	9.083	17623690	130.385	300	ug/ml
Aromatic C16-C21	9.084	13.405	30315057	226.666	500	ug/ml
Aromatic C21-C36	13.406	18.870	46709752	396.968	800	ug/ml
Aromatic EPH	4.502	18.870	105050349	832.843		ug/ml
2-Bromonaphthalene (SURR)	8.005	8.005	6657703	58.75		ug/ml
2-Fluorobiphenyl (SURR)	8.883	8.883	4257234	59.69		ug/ml
ortho-Terphenyl (SURR)	11.951	11.951	6379745	43.44		ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111725AR\
 Data File : FF016717.D
 Signal(s) : FID2B.ch
 Acq On : 17 Nov 2025 15:00
 Operator : YP\AJ
 Sample : PB170577BS
 Misc :
 ALS Vial : 71 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 PB170577BS

Integration File: autoint1.e
 Quant Time: Nov 21 05:49:04 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 29 18:27:43 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	8.005	6657703	58.751 ug/ml
Spiked Amount 50.000		Recovery =	117.50%
6) S 2-Fluorobiphenyl (SURR)	8.883	4257234	59.691 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	119.38%
11) S ortho-Terphenyl (SURR)	11.951	6379745	43.443 ug/ml
Spiked Amount 50.000		Recovery =	86.89%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.595	4831557	36.704 ug/ml
2) T Naphthalene (C11.7)	6.273	5570293	42.106 ug/ml
3) T 2-Methylnaphthalene (...)	7.374	5383004	40.493 ug/ml
5) T Acenaphthylene (C15.06)	8.682	6059932	44.854 ug/ml
7) T Acenaphthene (C15.5)	8.982	6180754	44.964 ug/ml
8) T Flouorene (C16.55)	9.772	6201730	47.636 ug/ml
9) T Phenanthrene (C19.36)	11.183	6127707	46.342 ug/ml
10) T Anthracene (C19.43)	11.258	5794931	42.764 ug/ml
12) T Fluoranthene (C21.85)	13.008	6113638	44.548 ug/ml
13) T Pyrene (C20.8)	13.308	6077051	44.343 ug/ml
14) T Benzo[a]anthracene (C...	15.195	5600897	49.178 ug/ml
15) T Chrysene (C27.41)	15.240	6746858	47.811 ug/ml
16) T benzo[b]fluoranthene ...	16.761	5601581	50.402 ug/ml
17) T Bnezo[k]fluoranthene ...	16.795	5745237	47.036 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.143	5537035	50.451 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.524	6016839	69.921 ug/ml
20) T Dibenz[a,h]anthracene...	18.562	5648547	42.891 ug/ml
21) T Benzo[g,h,i]perylene ...	18.782	5812758	54.852 ug/ml

(f)=RT Delta > 1/2 Window

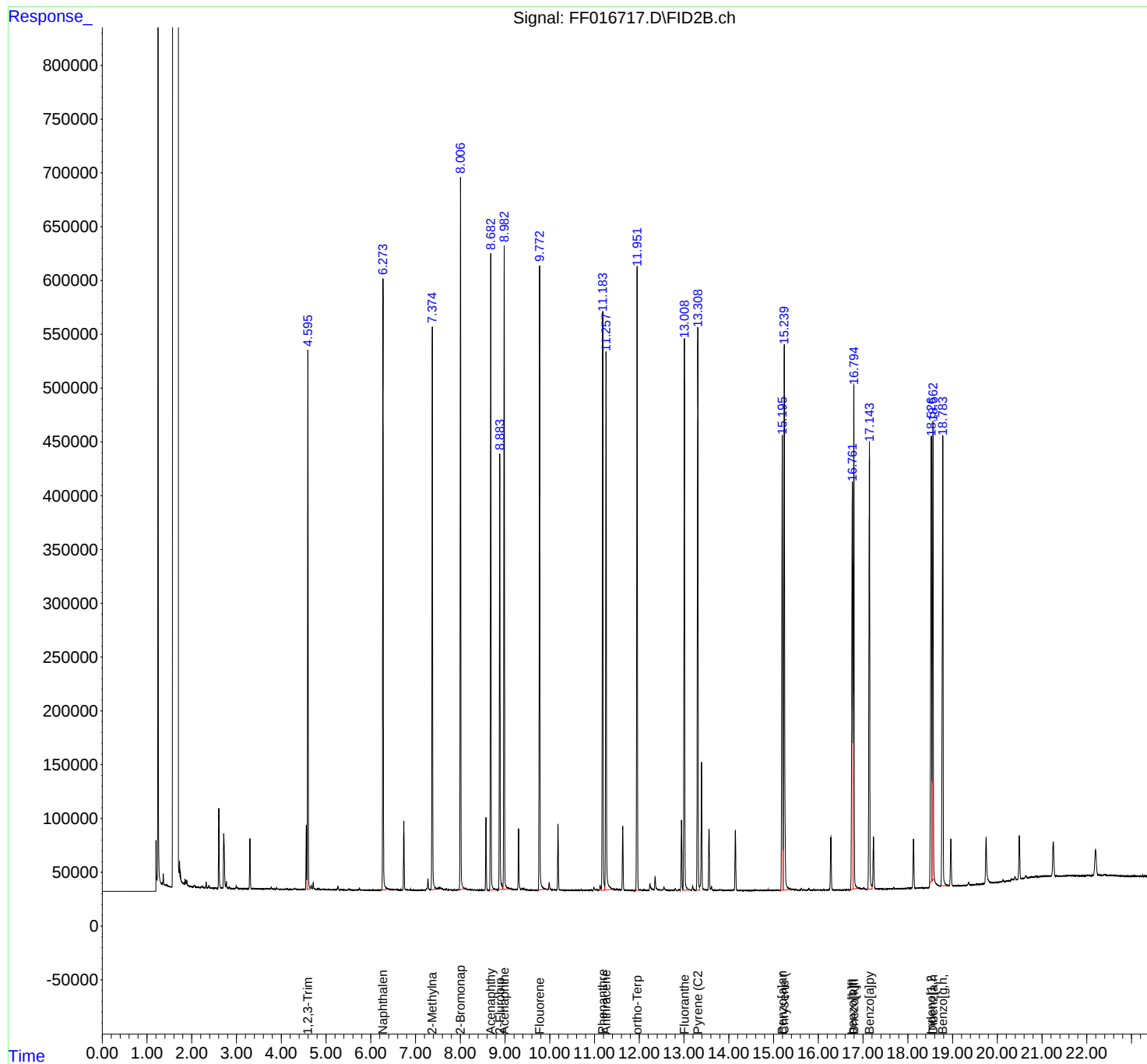
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF11725AR\
Data File : FF016717.D
Signal(s) : FID2B.ch
Acq On : 17 Nov 2025 15:00
Operator : YP\AJ
Sample : PB170577BS
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
PB170577BS

Integration File: autoint1.e
Quant Time: Nov 21 05:49:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 18:27:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent

Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111725AR\
 Data File : FF016717.D
 Signal(s) : FID2B.ch
 Acq On : 17 Nov 2025 15:00
 Sample : PB170577BS
 Misc :
 ALS Vial : 71 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH
 102925.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	4.595	4.574	4.650	VV	501419	4831557	71.61%	3.949%
2	6.273	6.214	6.415	BB	570064	5570293	82.56%	4.553%
3	7.374	7.334	7.499	PV	523162	5383004	79.79%	4.400%
4	8.005	7.973	8.097	PB	662404	6657703	98.68%	5.442%
5	8.682	8.634	8.794	BB	591962	6059932	89.82%	4.953%
6	8.883	8.824	8.950	BV	403159	4257234	63.10%	3.480%
7	8.982	8.950	9.102	VB	598036	6180754	91.61%	5.052%
8	9.772	9.705	9.922	BB	579847	6201730	91.92%	5.069%
9	11.183	11.140	11.227	VV	532082	6127707	90.82%	5.009%
10	11.258	11.227	11.422	VB	500712	5794931	85.89%	4.737%
11	11.951	11.889	12.009	BB	579974	6379745	94.56%	5.215%
12	13.008	12.972	13.130	VB	513847	6113638	90.61%	4.997%
13	13.308	13.245	13.347	BV	524917	6077051	90.07%	4.967%
14	15.195	15.127	15.215	BV	422348	5600897	83.01%	4.578%
15	15.240	15.215	15.400	VB	506847	6746858	100.00%	5.515%
16	16.761	16.684	16.777	BV	377623	5601581	83.03%	4.579%
17	16.795	16.777	16.882	VV	467995	5745237	85.15%	4.696%
18	17.143	17.077	17.202	BV	414452	5537035	82.07%	4.526%
19	18.524	18.487	18.540	BV	410687	6016839	89.18%	4.918%
20	18.562	18.540	18.595	VBA	423602	5648547	83.72%	4.617%
21	18.782	18.700	18.907	BB	418424	5812758	86.16%	4.751%
Sum of corrected areas:						122345031		

Aromatic EPH 102925.M Fri Nov 21 05:51:01 2025

Report of Analysis

Client:	Remington & Vernick Engineers		Date Collected:	
Project:	Edison Landfill		Date Received:	
Client Sample ID:	PB170577BS		SDG No.:	Q3586
Lab Sample ID:	PB170577BS		Matrix:	Solid
Analytical Method:	NJEPH		% Solid:	100
Sample Wt/Vol:	30.03 g	Final Vol:	2000 uL	Test:
Prep Method :		Prep Date	11/17/25	EPH

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C12	Aliphatic C9-C12	5.57	1		0.14	1.00	mg/kg	11/17/25	PB170577
Aliphatic C12-C16	Aliphatic C12-C16	5.04	1		0.11	0.67	mg/kg	11/17/25	PB170577
Aliphatic C16-C21	Aliphatic C16-C21	8.70	1		0.13	1.00	mg/kg	11/17/25	PB170577
Aliphatic C21-C28	Aliphatic C21-C28	11.0	1		0.53	1.33	mg/kg	11/17/25	PB170577
Aliphatic C28-C40	Aliphatic C28-C40	16.5	1		1.18	2.00	mg/kg	11/17/25	PB170577
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	24.6			40 - 140	49%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	0.00			40 - 140	0%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB170577BS	Acq On:	17 Nov 2025 17:03
Client Sample ID:	PB170577BS	Operator:	YP\AJ
Data file:	FG016927.D	Misc:	
Instrument:	FID_G	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.260	6.901	10197699	83.585	300	ug/ml
Aliphatic C12-C16	6.902	10.358	9288354	75.607	200	ug/ml
Aliphatic C16-C21	10.359	13.749	17291968	130.608	300	ug/ml
Aliphatic C21-C28	13.750	17.436	23062370	165.875	400	ug/ml
Aliphatic C28-C40	17.437	22.460	28152650	247.399	600	ug/ml
Aliphatic EPH	3.260	22.460	87993041	703.074		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.480	13.480	2963779	24.61		ug/ml
Aliphatic C9-C28	3.260	17.436	59840391	455.675	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG111725AL\
 Data File : FG016927.D
 Signal(s) : FID1A.ch
 Acq On : 17 Nov 2025 17:03
 Operator : YP\AJ
 Sample : PB170577BS
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 PB170577BS

Integration File: autoint1.e
 Quant Time: Nov 18 01:21:14 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 29 16:21:47 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.480	2963779	24.609 ug/ml
Spiked Amount 50.000		Recovery =	49.22%
Target Compounds			
1) T n-Nonane (C9)	3.359	2804944	22.514 ug/ml
2) T n-Decane (C10)	4.620	3435300	26.833 ug/ml
4) T n-Dodecane (C12)	6.801	3957455	30.352 ug/ml
6) T n-Tetradecane (C14)	8.641	4364637	34.164 ug/ml
7) T n-Hexadecane (C16)	10.260	4923717	37.263 ug/ml
8) T n-Octadecane (C18)	11.713	5489405	39.391 ug/ml
10) T n-Eicosane (C20)	13.033	5876850	42.044 ug/ml
11) T n-Heneicosane (C21)	13.650	5925713	42.621 ug/ml
13) T n-Docosane (C22)	14.241	5941144	41.993 ug/ml
14) T n-Tetracosane (C24)	15.352	5894260	40.089 ug/ml
15) T n-Hexacosane (C26)	16.380	5722039	39.003 ug/ml
16) T n-Octacosane (C28)	17.338	5504927	37.395 ug/ml
17) T n-Tricontane (C30)	18.230	5160890	34.107 ug/ml
18) T n-Dotriacontane (C32)	19.068	4912630	33.327 ug/ml
19) T n-Tetratriacontane (C34)	19.857	4732259	36.722 ug/ml
20) T n-Hexatriacontane (C36)	20.602	4515036	43.622 ug/ml
21) T n-Octatriacontane (C38)	21.377	4466309	50.661 ug/ml
22) T n-Tetracontane (C40)	22.361	4365526	55.754 ug/ml

(f)=RT Delta > 1/2 Window

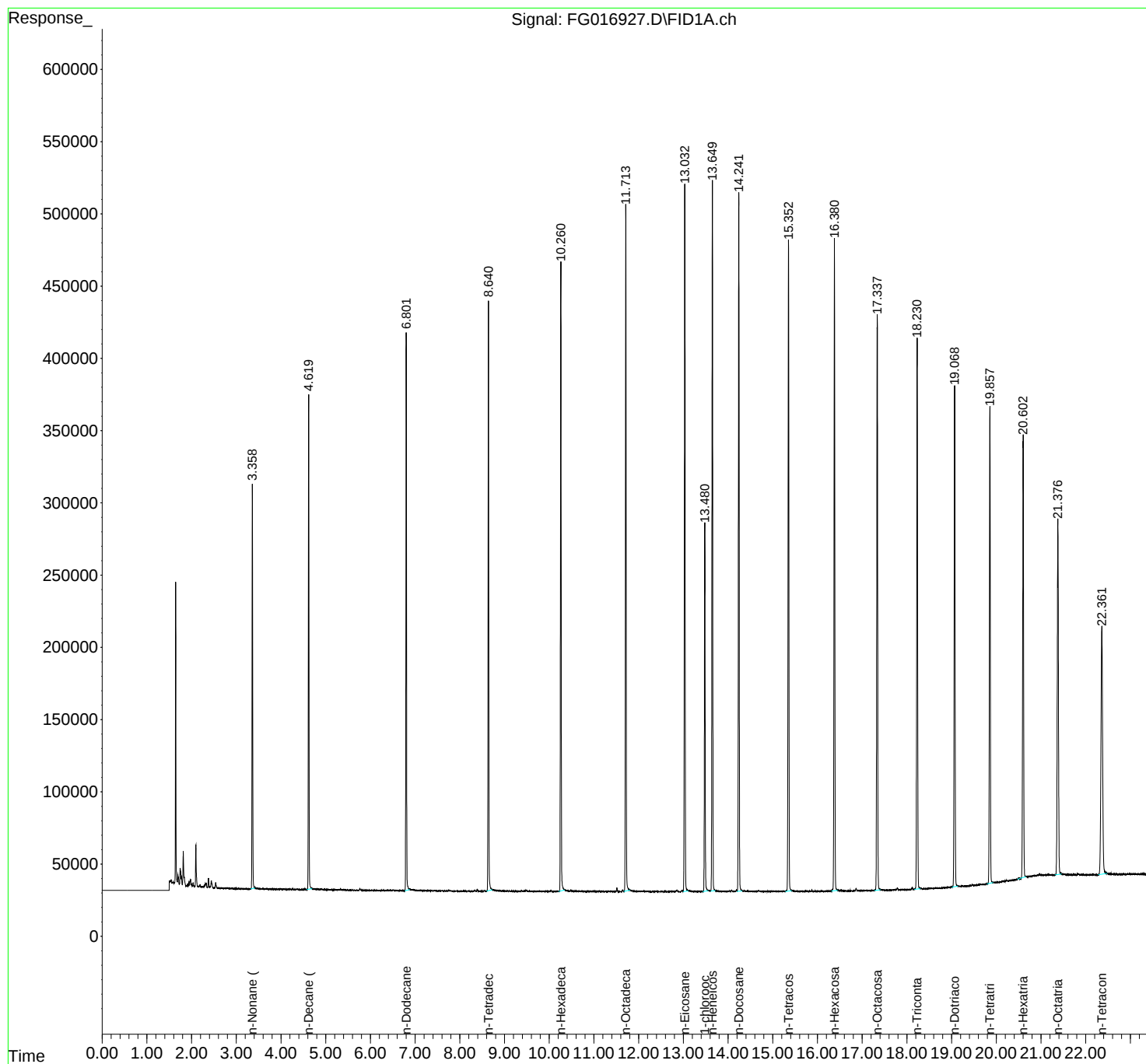
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG111725AL\
Data File : FG016927.D
Signal(s) : FID1A.ch
Acq On : 17 Nov 2025 17:03
Operator : YP\AJ
Sample : PB170577BS
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PB170577BS

Integration File: autoint1.e
Quant Time: Nov 18 01:21:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 16:21:47 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG111725AL\
Data File : FG016927.D
Signal(s) : FID1A.ch
Acq On : 17 Nov 2025 17:03
Sample : PB170577BS
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.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	3.359	3.320	3.423	BB	279917	2804944	47.21%	3.084%
2	4.620	4.576	4.697	BB	341925	3435300	57.82%	3.777%
3	6.801	6.767	6.882	BB	386110	3957455	66.61%	4.351%
4	8.641	8.598	8.730	BB	407525	4364637	73.46%	4.799%
5	10.260	10.212	10.350	BB	435418	4923717	82.87%	5.413%
6	11.713	11.668	11.804	BB	474436	5489405	92.40%	6.035%
7	13.033	12.993	13.112	BB	489242	5876850	98.92%	6.461%
8	13.480	13.434	13.561	BB	254805	2963779	49.89%	3.258%
9	13.650	13.612	13.716	BB	491323	5925713	99.74%	6.515%
10	14.241	14.203	14.318	VB	482940	5941144	100.00%	6.532%
11	15.352	15.278	15.427	BB	449410	5894260	99.21%	6.480%
12	16.380	16.310	16.454	BB	450366	5722039	96.31%	6.291%
13	17.338	17.272	17.414	BB	397900	5504927	92.66%	6.052%
14	18.230	18.166	18.305	BB	381986	5160890	86.87%	5.674%
15	19.068	19.010	19.141	BB	344736	4912630	82.69%	5.401%
16	19.857	19.794	19.930	BB	328810	4732259	79.65%	5.203%
17	20.602	20.471	20.666	BB	300280	4515036	76.00%	4.964%
18	21.377	21.314	21.458	BB	244764	4466309	75.18%	4.910%
19	22.361	22.278	22.477	BB	171723	4365526	73.48%	4.800%
Sum of corrected areas:						90956819		

Aliphatic EPH 102925.M Tue Nov 18 03:10:06 2025

Report of Analysis

Client:	Remington & Vernick Engineers		Date Collected:	
Project:	Edison Landfill		Date Received:	
Client Sample ID:	PB170577BSD		SDG No.:	Q3586
Lab Sample ID:	PB170577BSD		Matrix:	Solid
Analytical Method:	NJEPH		% Solid:	100
Sample Wt/Vol:	30.02 g	Final Vol: 2000 uL	Test:	EPH
Prep Method :		Prep Date : 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C9-C12	Aliphatic C9-C12	5.61		1	0.14	1.00	mg/kg	FG016928.D	11/17/25 17:32	PB170577
Aliphatic C12-C16	Aliphatic C12-C16	5.07		1	0.11	0.67	mg/kg	FG016928.D	11/17/25 17:32	PB170577
Aliphatic C16-C21	Aliphatic C16-C21	8.78		1	0.13	1.00	mg/kg	FG016928.D	11/17/25 17:32	PB170577
Aliphatic C21-C28	Aliphatic C21-C28	11.1		1	0.53	1.33	mg/kg	FG016928.D	11/17/25 17:32	PB170577
Aliphatic C28-C40	Aliphatic C28-C40	16.5		1	1.18	2.00	mg/kg	FG016928.D	11/17/25 17:32	PB170577
Aromatic C10-C12	Aromatic C10-C12	4.78		1	0.12	0.67	mg/kg	FF016718.D	11/17/25 15:30	PB170577
Aromatic C12-C16	Aromatic C12-C16	7.91		1	0.23	1.00	mg/kg	FF016718.D	11/17/25 15:30	PB170577
Aromatic C16-C21	Aromatic C16-C21	13.7		1	0.40	1.67	mg/kg	FF016718.D	11/17/25 15:30	PB170577
Aromatic C21-C36	Aromatic C21-C36	24.2		1	1.19	2.66	mg/kg	FF016718.D	11/17/25 15:30	PB170577
Total AliphaticEPH	Total AliphaticEPH	47.1			2.09	5.99	mg/kg			
Total AromaticEPH	Total AromaticEPH	50.6			1.94	6.00	mg/kg			
Total EPH	Total EPH	97.7			4.03	12.0	mg/kg			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Remington & Vernick Engineers		Date Collected:	
Project:	Edison Landfill		Date Received:	
Client Sample ID:	PB170577BSD		SDG No.:	Q3586
Lab Sample ID:	PB170577BSD		Matrix:	Solid
Analytical Method:	NJEPH		% Solid:	100
Sample Wt/Vol:	30.02 g	Final Vol:	2000 uL	Test:
Prep Method :		Prep Date	11/17/25	EPH

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aromatic C10-C12	Aromatic C10-C12	4.78	1		0.12	0.67	mg/kg	11/17/25	PB170577
Aromatic C12-C16	Aromatic C12-C16	7.91	1		0.23	1.00	mg/kg	11/17/25	PB170577
Aromatic C16-C21	Aromatic C16-C21	13.7	1		0.40	1.67	mg/kg	11/17/25	PB170577
Aromatic C21-C36	Aromatic C21-C36	24.2	1		1.19	2.66	mg/kg	11/17/25	PB170577
SURROGATES									
580-13-2	2-Bromonaphthalene (SURR)	53.6			40 - 140	107%	SPK: 50		
321-60-8	2-Fluorobiphenyl (SURR)	54.5			40 - 140	109%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	39.6			40 - 140	79%	SPK: 50		

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB170577BSD	Acq On:	17 Nov 2025 15:30
Client Sample ID:	PB170577BSD	Operator:	YP\AJ
Data file:	FF016718.D	Misc:	
Instrument:	FID_F	ALS Vial:	72
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.502	6.378	9466234	71.734	200	ug/ml
Aromatic C12-C16	6.379	9.083	16049820	118.741	300	ug/ml
Aromatic C16-C21	9.084	13.405	27586485	206.265	500	ug/ml
Aromatic C21-C36	13.406	18.870	42706384	362.945	800	ug/ml
Aromatic EPH	4.502	18.870	95808923	759.685		ug/ml
ortho-Terphenyl (SURR)	11.953	11.953	5813344	39.59		ug/ml
2-Bromonaphthalene (SURR)	8.010	8.010	6072329	53.58		ug/ml
2-Fluorobiphenyl (SURR)	8.886	8.886	3887536	54.51		ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111725AR\
 Data File : FF016718.D
 Signal(s) : FID2B.ch
 Acq On : 17 Nov 2025 15:30
 Operator : YP\AJ
 Sample : PB170577BSD
 Misc :
 ALS Vial : 72 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 PB170577BSD

Integration File: autoint1.e
 Quant Time: Nov 18 00:31:37 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 29 18:27:43 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	8.010	6072329	53.585 ug/ml
Spiked Amount 50.000		Recovery =	107.17%
6) S 2-Fluorobiphenyl (SURR)	8.886	3887536	54.507 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	109.01%
11) S ortho-Terphenyl (SURR)	11.953	5813344	39.586 ug/ml
Spiked Amount 50.000		Recovery =	79.17%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.601	4403045	33.449 ug/ml
2) T Naphthalene (C11.7)	6.278	5063189	38.273 ug/ml
3) T 2-Methylnaphthalene (...)	7.379	4893604	36.812 ug/ml
5) T Acenaphthylene (C15.06)	8.685	5518581	40.847 ug/ml
7) T Acenaphthene (C15.5)	8.986	5637635	41.013 ug/ml
8) T Flouorene (C16.55)	9.775	5688570	43.694 ug/ml
9) T Phenanthrene (C19.36)	11.185	5565665	42.091 ug/ml
10) T Anthracene (C19.43)	11.260	5289604	39.035 ug/ml
12) T Fluoranthene (C21.85)	13.010	5536930	40.345 ug/ml
13) T Pyrene (C20.8)	13.309	5505716	40.174 ug/ml
14) T Benzo[a]anthracene (C...	15.196	5059585	44.425 ug/ml
15) T Chrysene (C27.41)	15.239	6106210	43.271 ug/ml
16) T benzo[b]fluoranthene ...	16.760	5066867	45.591 ug/ml
17) T Bnezo[k]fluoranthene ...	16.794	5245149	42.942 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.142	5023019	45.768 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.522	5529130	64.254 ug/ml
20) T Dibenz[a,h]anthracene...	18.560	5457587	41.441 ug/ml
21) T Benzo[g,h,i]perylene ...	18.780	5218837	49.247 ug/ml

(f)=RT Delta > 1/2 Window

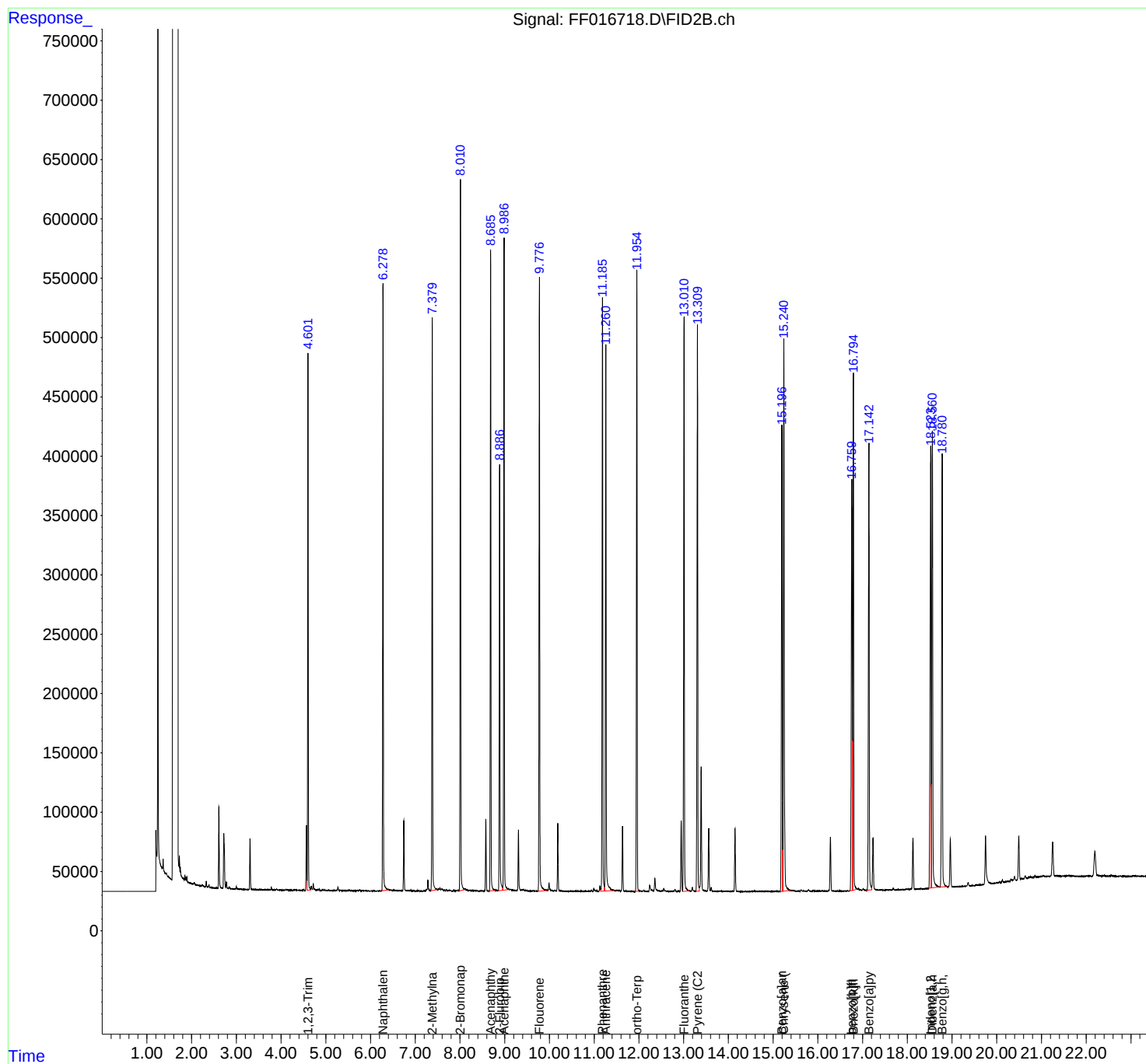
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF11725AR\
Data File : FF016718.D
Signal(s) : FID2B.ch
Acq On : 17 Nov 2025 15:30
Operator : YP\AJ
Sample : PB170577BSD
Misc :
ALS Vial : 72 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
PB170577BSD

Integration File: autoint1.e
Quant Time: Nov 18 00:31:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 18:27:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111725AR\
 Data File : FF016718.D
 Signal(s) : FID2B.ch
 Acq On : 17 Nov 2025 15:30
 Sample : PB170577BSD
 Misc :
 ALS Vial : 72 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.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	4.601	4.581	4.658	VV	452000	4403045	72.11%	3.946%
2	6.278	6.247	6.411	BB	514147	5063189	82.92%	4.538%
3	7.379	7.342	7.499	PB	483248	4893604	80.14%	4.386%
4	8.010	7.979	8.122	PB	596923	6072329	99.45%	5.442%
5	8.685	8.649	8.796	BB	541494	5518581	90.38%	4.946%
6	8.886	8.852	8.956	BV	359715	3887536	63.67%	3.484%
7	8.986	8.956	9.104	VB	550593	5637635	92.33%	5.052%
8	9.775	9.729	9.946	BB	518543	5688570	93.16%	5.098%
9	11.185	11.142	11.231	VV	499215	5565665	91.15%	4.988%
10	11.260	11.231	11.452	VB	459103	5289604	86.63%	4.741%
11	11.953	11.904	12.009	BB	525797	5813344	95.20%	5.210%
12	13.010	12.976	13.134	VB	481551	5536930	90.68%	4.962%
13	13.309	13.269	13.349	BV	478333	5505716	90.17%	4.934%
14	15.196	15.147	15.215	BV	392972	5059585	82.86%	4.534%
15	15.239	15.215	15.391	VB	463969	6106210	100.00%	5.472%
16	16.760	16.704	16.776	BV	345763	5066867	82.98%	4.541%
17	16.794	16.776	16.881	VV	435469	5245149	85.90%	4.701%
18	17.142	17.074	17.204	BV	377194	5023019	82.26%	4.502%
19	18.522	18.481	18.538	BV	371668	5529130	90.55%	4.955%
20	18.560	18.538	18.731	VBA	383151	5457587	89.38%	4.891%
21	18.780	18.731	18.907	BB	364722	5218837	85.47%	4.677%
Sum of corrected areas:						111582132		

Aromatic EPH 102925.M Tue Nov 18 01:11:25 2025

Report of Analysis

Client:	Remington & Vernick Engineers		Date Collected:	
Project:	Edison Landfill		Date Received:	
Client Sample ID:	PB170577BSD		SDG No.:	Q3586
Lab Sample ID:	PB170577BSD		Matrix:	Solid
Analytical Method:	NJEPH		% Solid:	100
Sample Wt/Vol:	30.02 g	Final Vol:	2000 uL	Test:
Prep Method :		Prep Date	11/17/25	EPH

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C12	Aliphatic C9-C12	5.61	1		0.14	1.00	mg/kg	11/17/25	PB170577
Aliphatic C12-C16	Aliphatic C12-C16	5.07	1		0.11	0.67	mg/kg	11/17/25	PB170577
Aliphatic C16-C21	Aliphatic C16-C21	8.78	1		0.13	1.00	mg/kg	11/17/25	PB170577
Aliphatic C21-C28	Aliphatic C21-C28	11.1	1		0.53	1.33	mg/kg	11/17/25	PB170577
Aliphatic C28-C40	Aliphatic C28-C40	16.5	1		1.18	2.00	mg/kg	11/17/25	PB170577
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	24.8			40 - 140	50%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	0.00			40 - 140	0%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB170577BSD	Acq On:	17 Nov 2025 17:32
Client Sample ID:	PB170577BSD	Operator:	YP\AJ
Data file:	FG016928.D	Misc:	
Instrument:	FID_G	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.260	6.901	10276857	84.234	300	ug/ml
Aliphatic C12-C16	6.902	10.358	9354182	76.142	200	ug/ml
Aliphatic C16-C21	10.359	13.749	17455890	131.846	300	ug/ml
Aliphatic C21-C28	13.750	17.436	23234451	167.113	400	ug/ml
Aliphatic C28-C40	17.437	22.460	28239240	248.16	600	ug/ml
Aliphatic EPH	3.260	22.460	88560620	707.495		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.480	13.480	2989856	24.83		ug/ml
Aliphatic C9-C28	3.260	17.436	60321380	459.335	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG111725AL\
 Data File : FG016928.D
 Signal(s) : FID1A.ch
 Acq On : 17 Nov 2025 17:32
 Operator : YP\AJ
 Sample : PB170577BSD
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 PB170577BSD

Integration File: autoint1.e
 Quant Time: Nov 18 01:21:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 29 16:21:47 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.480	2989856	24.826 ug/ml
Spiked Amount 50.000		Recovery =	49.65%
Target Compounds			
1) T n-Nonane (C9)	3.360	2827287	22.693 ug/ml
2) T n-Decane (C10)	4.620	3462741	27.048 ug/ml
4) T n-Dodecane (C12)	6.801	3986829	30.577 ug/ml
6) T n-Tetradecane (C14)	8.642	4398207	34.427 ug/ml
7) T n-Hexadecane (C16)	10.260	4955975	37.507 ug/ml
8) T n-Octadecane (C18)	11.713	5543784	39.782 ug/ml
10) T n-Eicosane (C20)	13.033	5930866	42.430 ug/ml
11) T n-Heneicosane (C21)	13.650	5981240	43.020 ug/ml
13) T n-Docosane (C22)	14.241	5989855	42.337 ug/ml
14) T n-Tetracosane (C24)	15.352	5940421	40.403 ug/ml
15) T n-Hexacosane (C26)	16.380	5763294	39.284 ug/ml
16) T n-Octacosane (C28)	17.336	5540881	37.640 ug/ml
17) T n-Tricontane (C30)	18.230	5185389	34.269 ug/ml
18) T n-Dotriacontane (C32)	19.069	4936378	33.488 ug/ml
19) T n-Tetratriacontane (C34)	19.857	4741496	36.794 ug/ml
20) T n-Hexatriacontane (C36)	20.599	4524199	43.710 ug/ml
21) T n-Octatriacontane (C38)	21.376	4475671	50.767 ug/ml
22) T n-Tetracontane (C40)	22.360	4376107	55.889 ug/ml

(f)=RT Delta > 1/2 Window

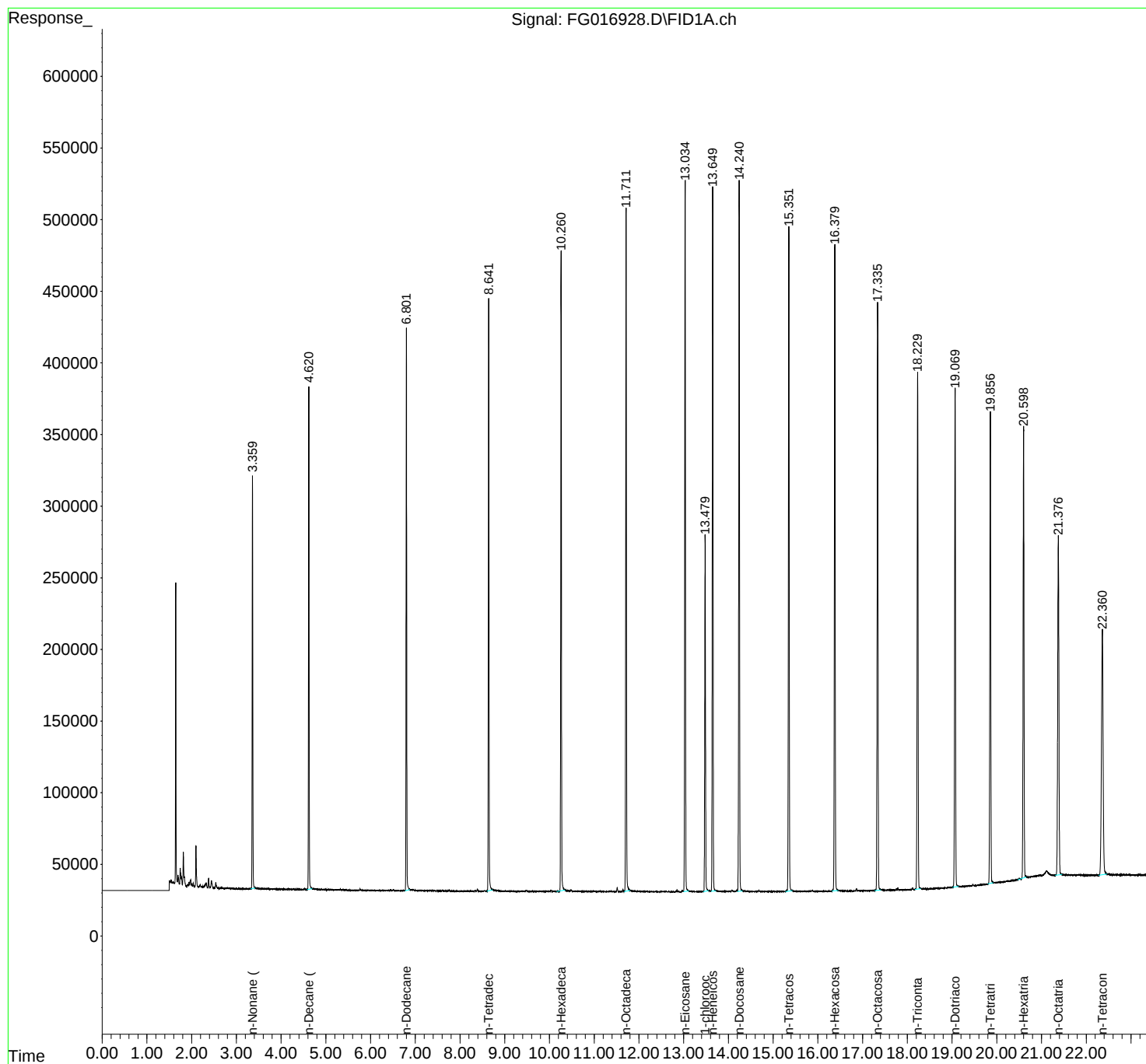
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG111725AL\
Data File : FG016928.D
Signal(s) : FID1A.ch
Acq On : 17 Nov 2025 17:32
Operator : YP\AJ
Sample : PB170577BSD
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PB170577BSD

Integration File: autoint1.e
Quant Time: Nov 18 01:21:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 16:21:47 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG111725AL\
Data File : FG016928.D
Signal(s) : FID1A.ch
Acq On : 17 Nov 2025 17:32
Sample : PB170577BSD
Misc :
ALS Vial : 23 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.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	3.360	3.320	3.425	BB	288113	2827287	47.20%	3.088%
2	4.620	4.579	4.697	BB	350335	3462741	57.81%	3.782%
3	6.801	6.768	6.883	BB	392272	3986829	66.56%	4.355%
4	8.642	8.600	8.731	BB	413331	4398207	73.43%	4.804%
5	10.260	10.158	10.353	BB	446779	4955975	82.74%	5.413%
6	11.713	11.669	11.807	BB	476753	5543784	92.55%	6.055%
7	13.033	12.993	13.110	BB	496463	5930866	99.02%	6.478%
8	13.480	13.437	13.557	BB	247767	2989856	49.92%	3.266%
9	13.650	13.612	13.722	BB	490297	5981240	99.86%	6.533%
10	14.241	14.203	14.319	VB	496688	5989855	100.00%	6.543%
11	15.352	15.274	15.428	BB	459588	5940421	99.17%	6.489%
12	16.380	16.311	16.455	BB	449452	5763294	96.22%	6.295%
13	17.336	17.271	17.413	BB	409082	5540881	92.50%	6.052%
14	18.230	18.167	18.300	BB	360380	5185389	86.57%	5.664%
15	19.069	19.011	19.143	BB	345606	4936378	82.41%	5.392%
16	19.857	19.800	19.927	BB	328216	4741496	79.16%	5.179%
17	20.599	20.468	20.660	BB	312558	4524199	75.53%	4.942%
18	21.376	21.308	21.459	BB	234680	4475671	74.72%	4.889%
19	22.360	22.277	22.470	BB	171379	4376107	73.06%	4.780%
Sum of corrected areas:						91550475		

Aliphatic EPH 102925.M Tue Nov 18 03:10:33 2025

Report of Analysis

Client:	Remington & Vernick Engineers		Date Collected:	
Project:	Edison Landfill		Date Received:	
Client Sample ID:	SED-3MS		SDG No.:	Q3586
Lab Sample ID:	Q3586-03MS		Matrix:	Solid
Analytical Method:	NJEPH		% Solid:	50.9
Sample Wt/Vol:	30.03 g	Final Vol: 2000 uL	Test:	EPH
Prep Method :		Prep Date : 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C9-C12	Aliphatic C9-C12	9.59		1	0.28	1.96	mg/kg	FG016960.D	11/20/25 14:56	PB170577
Aliphatic C12-C16	Aliphatic C12-C16	8.55		1	0.22	1.31	mg/kg	FG016960.D	11/20/25 14:56	PB170577
Aliphatic C16-C21	Aliphatic C16-C21	13.9		1	0.26	1.96	mg/kg	FG016960.D	11/20/25 14:56	PB170577
Aliphatic C21-C28	Aliphatic C21-C28	17.2		1	1.04	2.62	mg/kg	FG016960.D	11/20/25 14:56	PB170577
Aliphatic C28-C40	Aliphatic C28-C40	26.9		1	2.32	3.93	mg/kg	FG016960.D	11/20/25 14:56	PB170577
Aromatic C10-C12	Aromatic C10-C12	8.12		1	0.24	1.31	mg/kg	FF016726.D	11/17/25 19:59	PB170577
Aromatic C12-C16	Aromatic C12-C16	13.6		1	0.45	1.96	mg/kg	FF016726.D	11/17/25 19:59	PB170577
Aromatic C16-C21	Aromatic C16-C21	27.8		1	0.79	3.27	mg/kg	FF016726.D	11/17/25 19:59	PB170577
Aromatic C21-C36	Aromatic C21-C36	44.9		1	2.34	5.23	mg/kg	FF016726.D	11/17/25 19:59	PB170577
Total AliphaticEPH	Total AliphaticEPH	76.1			4.11	11.8	mg/kg			
Total AromaticEPH	Total AromaticEPH	94.4			3.81	11.8	mg/kg			
Total EPH	Total EPH	171			7.92	23.6	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:	Remington & Vernick Engineers		Date Collected:	
Project:	Edison Landfill		Date Received:	
Client Sample ID:	SED-3MS		SDG No.:	Q3586
Lab Sample ID:	Q3586-03MS		Matrix:	Solid
Analytical Method:	NJEPH		% Solid:	50.9
Sample Wt/Vol:	30.03 g	Final Vol: 2000 uL	Test:	EPH
Prep Method :		Prep Date 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aromatic C10-C12	Aromatic C10-C12	8.12	1		0.24	1.31	mg/kg	11/17/25	PB170577
Aromatic C12-C16	Aromatic C12-C16	13.6	1		0.45	1.96	mg/kg	11/17/25	PB170577
Aromatic C16-C21	Aromatic C16-C21	27.8	1		0.79	3.27	mg/kg	11/17/25	PB170577
Aromatic C21-C36	Aromatic C21-C36	44.9	1		2.34	5.23	mg/kg	11/17/25	PB170577
SURROGATES									
580-13-2	2-Bromonaphthalene (SURR)	46.9			40 - 140	94%	SPK: 50		
321-60-8	2-Fluorobiphenyl (SURR)	50.2			40 - 140	100%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	34.5			40 - 140	69%	SPK: 50		

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q3586-03MS	Acq On:	17 Nov 2025 19:59
Client Sample ID:	Q3586-03MS	Operator:	YP\AJ
Data file:	FF016726.D	Misc:	
Instrument:	FID_F	ALS Vial:	80
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.502	6.378	8187001	62.04	200	ug/ml
Aromatic C12-C16	6.379	9.083	14077774	104.151	300	ug/ml
Aromatic C16-C21	9.084	13.405	28459302	212.791	500	ug/ml
Aromatic C21-C36	13.406	18.870	40420856	343.521	800	ug/ml
Aromatic EPH	4.502	18.870	91144933	722.503		ug/ml
ortho-Terphenyl (SURR)	11.953	11.953	5071986	34.54		ug/ml
2-Bromonaphthalene (SURR)	8.010	8.010	5315856	46.91		ug/ml
2-Fluorobiphenyl (SURR)	8.886	8.886	3581574	50.22		ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111725AR\
 Data File : FF016726.D
 Signal(s) : FID2B.ch
 Acq On : 17 Nov 2025 19:59
 Operator : YP\AJ
 Sample : Q3586-03MS
 Misc :
 ALS Vial : 80 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 SED-3MS

Integration File: autoint1.e
 Quant Time: Nov 18 00:37:13 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 29 18:27:43 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	8.010	5315856	46.909 ug/ml
Spiked Amount 50.000		Recovery =	93.82%
6) S 2-Fluorobiphenyl (SURR)	8.886	3581574	50.217 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	100.43%
11) S ortho-Terphenyl (SURR)	11.953	5071986	34.538 ug/ml
Spiked Amount 50.000		Recovery =	69.08%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.602	3538094	26.878 ug/ml
2) T Naphthalene (C11.7)	6.279	3805926	28.769 ug/ml
3) T 2-Methylnaphthalene (...)	7.379	3552121	26.721 ug/ml
5) T Acenaphthylene (C15.06)	8.685	4214312	31.193 ug/ml
7) T Acenaphthene (C15.5)	8.985	4347782	31.629 ug/ml
8) T Flouorene (C16.55)	9.775	4520461	34.722 ug/ml
9) T Phenanthrene (C19.36)	11.183	4707887	35.604 ug/ml
10) T Anthracene (C19.43)	11.259	4841231	35.726 ug/ml
12) T Fluoranthene (C21.85)	13.009	4824625	35.155 ug/ml
13) T Pyrene (C20.8)	13.308	4732819	34.535 ug/ml
14) T Benzo[a]anthracene (C...	15.194	4349566	38.191 ug/ml
15) T Chrysene (C27.41)	15.238	5311265	37.638 ug/ml
16) T benzo[b]fluoranthene ...	16.759	4363504	39.262 ug/ml
17) T Bnezo[k]fluoranthene ...	16.792	4505349	36.885 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.140	4272748	38.932 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.520	4456686	51.791 ug/ml
20) T Dibenz[a,h]anthracene...	18.557	4682768	35.558 ug/ml
21) T Benzo[g,h,i]perylene ...	18.777	4665573	44.026 ug/ml

(f)=RT Delta > 1/2 Window

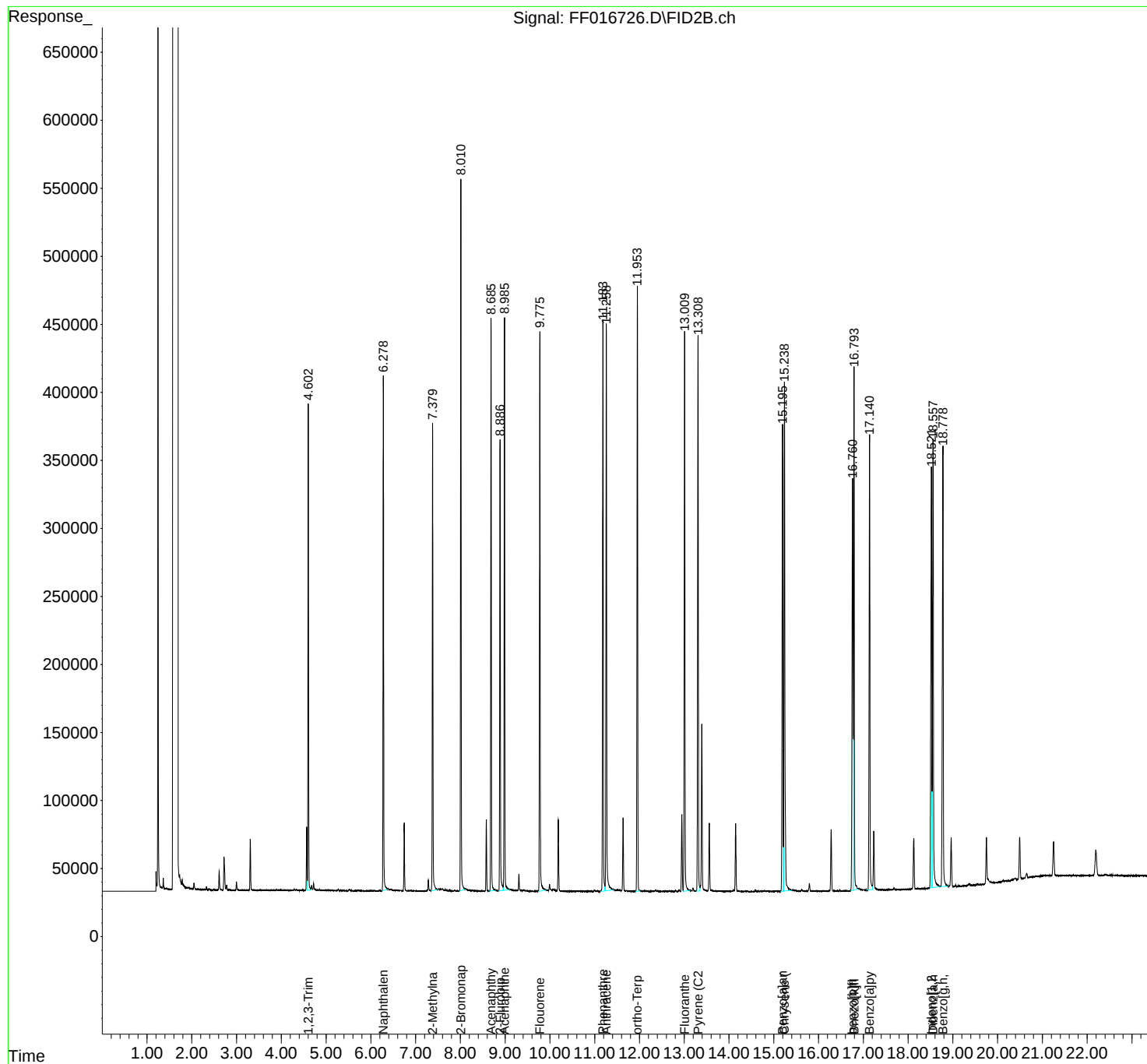
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111725AR\
Data File : FF016726.D
Signal(s) : FID2B.ch
Acq On : 17 Nov 2025 19:59
Operator : YP\AJ
Sample : Q3586-03MS
Misc :
ALS Vial : 80 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
SED-3MS

Integration File: autoint1.e
Quant Time: Nov 18 00:37:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 18:27:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111725AR\
 Data File : FF016726.D
 Signal(s) : FID2B.ch
 Acq On : 17 Nov 2025 19:59
 Sample : Q3586-03MS
 Misc :
 ALS Vial : 80 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.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	4.478	4.446	4.499	VV	315	3762	0.07%	0.004%
2	4.511	4.499	4.527	PV	138	1365	0.03%	0.001%
3	4.567	4.527	4.582	VV	46586	453117	8.41%	0.431%
4	4.602	4.582	4.659	VV	358459	3548655	65.84%	3.372%
5	4.676	4.659	4.701	VV	3805	50884	0.94%	0.048%
6	4.721	4.701	4.753	VV	5217	68376	1.27%	0.065%
7	4.757	4.753	4.777	VV	781	8513	0.16%	0.008%
8	4.789	4.777	4.802	VV	419	5462	0.10%	0.005%
9	4.819	4.802	4.837	VV	546	7557	0.14%	0.007%
10	4.852	4.837	4.874	VV	726	10114	0.19%	0.010%
11	4.877	4.874	4.883	VV	242	1330	0.02%	0.001%
12	4.889	4.883	4.901	VV	290	2583	0.05%	0.002%
13	4.912	4.901	4.946	VV	288	5857	0.11%	0.006%
14	4.951	4.946	4.954	VV	250	1103	0.02%	0.001%
15	4.984	4.954	5.016	VV	360	8591	0.16%	0.008%
16	5.030	5.016	5.034	VV	269	2319	0.04%	0.002%
17	5.039	5.034	5.051	VV	266	2277	0.04%	0.002%
18	5.065	5.051	5.092	VV	346	6417	0.12%	0.006%
19	5.096	5.092	5.146	VV	217	4950	0.09%	0.005%
20	5.150	5.146	5.171	VV	268	2307	0.04%	0.002%
21	5.179	5.171	5.196	VV	268	2426	0.05%	0.002%
22	5.212	5.208	5.232	VV	145	1341	0.02%	0.001%
23	5.248	5.232	5.254	VV	292	3089	0.06%	0.003%
24	5.272	5.254	5.309	VV	1289	17999	0.33%	0.017%
25	5.329	5.309	5.352	VV	353	5785	0.11%	0.005%
26	5.360	5.352	5.373	VV	233	2137	0.04%	0.002%
27	5.390	5.373	5.409	VV	306	3701	0.07%	0.004%
28	5.414	5.409	5.431	VV	125	1166	0.02%	0.001%
29	5.442	5.431	5.494	VV	145	3313	0.06%	0.003%
30	5.516	5.494	5.554	PV	1186	19446	0.36%	0.018%
31	5.558	5.554	5.561	VV	276	1008	0.02%	0.001%
32	5.564	5.561	5.568	VV	308	1140	0.02%	0.001%
33	5.571	5.568	5.620	VV	340	5730	0.11%	0.005%
34	5.653	5.637	5.661	VV	181	1529	0.03%	0.001%
35	5.671	5.661	5.690	VV	218	2603	0.05%	0.002%
36	5.709	5.690	5.729	VV	510	7169	0.13%	0.007%

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37	5.754	5.729	5.777	VV	496	8510	0.16%	0.008%
38	5.782	5.777	5.801	VV	101	1267	0.02%	0.001%
39	5.811	5.801	5.841	VV	143	2120	0.04%	0.002%
40	5.904	5.841	5.927	PV	238	5543	0.10%	0.005%
41	5.954	5.941	5.969	PV	121	1383	0.03%	0.001%
42	5.976	5.969	5.987	VV	170	1214	0.02%	0.001%
43	6.023	5.987	6.041	VV	273	5524	0.10%	0.005%
44	6.059	6.041	6.072	VV	255	3151	0.06%	0.003%
45	6.080	6.072	6.122	VV	253	4480	0.08%	0.004%
46	6.136	6.130	6.163	VV	184	2408	0.04%	0.002%
47	6.196	6.163	6.237	VV	642	10730	0.20%	0.010%
48	6.243	6.237	6.249	VV	232	1472	0.03%	0.001%
49	6.279	6.249	6.377	VV	378524	3867840	71.76%	3.675%
50	6.387	6.377	6.423	VV	1786	36914	0.68%	0.035%
51	6.430	6.423	6.436	VV	900	6728	0.12%	0.006%
52	6.456	6.436	6.494	VV	1586	33926	0.63%	0.032%
53	6.499	6.494	6.503	VV	615	3055	0.06%	0.003%
54	6.506	6.503	6.517	VV	615	5121	0.10%	0.005%
55	6.525	6.517	6.555	VV	677	13283	0.25%	0.013%
56	6.561	6.555	6.575	VV	563	5651	0.10%	0.005%
57	6.584	6.575	6.611	VV	580	10519	0.20%	0.010%
58	6.615	6.611	6.634	VV	451	5645	0.10%	0.005%
59	6.640	6.634	6.660	VV	427	5432	0.10%	0.005%
60	6.665	6.660	6.678	VV	360	3295	0.06%	0.003%
61	6.681	6.678	6.715	VV	354	5565	0.10%	0.005%
62	6.745	6.715	6.812	VV	50411	519378	9.64%	0.493%
63	6.830	6.812	6.845	VV	525	7976	0.15%	0.008%
64	6.866	6.845	6.883	VV	443	8119	0.15%	0.008%
65	6.899	6.883	6.919	VV	681	9740	0.18%	0.009%
66	6.938	6.919	6.959	VV	362	6062	0.11%	0.006%
67	6.972	6.959	6.991	VV	546	6253	0.12%	0.006%
68	6.998	6.991	7.005	VV	211	1446	0.03%	0.001%
69	7.010	7.005	7.020	VV	205	1733	0.03%	0.002%
70	7.033	7.020	7.057	VV	311	4135	0.08%	0.004%
71	7.070	7.057	7.082	VV	173	2113	0.04%	0.002%
72	7.087	7.082	7.114	VV	221	2664	0.05%	0.003%
73	7.147	7.130	7.156	VV	204	2169	0.04%	0.002%
74	7.159	7.156	7.174	VV	195	1198	0.02%	0.001%
75	7.201	7.185	7.219	PV	349	3442	0.06%	0.003%
76	7.283	7.231	7.344	VV	8375	114833	2.13%	0.109%
77	7.379	7.344	7.489	VV	344027	3616505	67.09%	3.436%
78	7.493	7.489	7.502	VV	1417	10383	0.19%	0.010%
79	7.519	7.502	7.536	VV	1930	30404	0.56%	0.029%
80	7.552	7.536	7.564	VV	1793	24520	0.45%	0.023%
81	7.584	7.564	7.598	VV	1911	30810	0.57%	0.029%
82	7.606	7.598	7.641	VV	1612	27575	0.51%	0.026%
83	7.660	7.641	7.685	VV	1287	23757	0.44%	0.023%
84	7.695	7.685	7.727	VV	868	16012	0.30%	0.015%
85	7.731	7.727	7.737	VV	532	2837	0.05%	0.003%
86	7.759	7.737	7.765	VV	723	9845	0.18%	0.009%
87	7.770	7.765	7.815	VV	644	13815	0.26%	0.013%
88	7.867	7.815	7.890	VV	729	16599	0.31%	0.016%
89	7.911	7.890	7.941	VV	324	8683	0.16%	0.008%

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90	7.963	7.941	7.978	VV	487	6560	0.12%	0.006%
91	8.010	7.978	8.112	VV	524037	5390152	100.00%	5.121%
92	8.122	8.112	8.216	VV	1785	69219	1.28%	0.066%
93	8.223	8.216	8.247	VV	705	11645	0.22%	0.011%
94	8.252	8.247	8.259	VV	561	3506	0.07%	0.003%
95	8.273	8.259	8.309	VV	688	16027	0.30%	0.015%
96	8.326	8.309	8.356	VV	668	13462	0.25%	0.013%
97	8.361	8.356	8.381	VV	384	4742	0.09%	0.005%
98	8.400	8.381	8.454	VV	375	10368	0.19%	0.010%
99	8.481	8.454	8.499	VV	536	8821	0.16%	0.008%
100	8.503	8.499	8.508	VV	311	1476	0.03%	0.001%
101	8.511	8.508	8.524	VV	278	1970	0.04%	0.002%
102	8.529	8.524	8.545	VV	217	2082	0.04%	0.002%
103	8.579	8.545	8.651	VV	52646	545449	10.12%	0.518%
104	8.685	8.651	8.800	VV	421778	4261903	79.07%	4.049%
105	8.811	8.800	8.853	VV	847	18252	0.34%	0.017%
106	8.886	8.853	8.955	VV	331420	3616461	67.09%	3.436%
107	8.985	8.955	9.106	VV	422386	4444152	82.45%	4.223%
108	9.110	9.106	9.115	VV	1441	7682	0.14%	0.007%
109	9.118	9.115	9.168	VV	1431	36727	0.68%	0.035%
110	9.173	9.168	9.176	VV	923	3931	0.07%	0.004%
111	9.183	9.176	9.223	VV	917	21797	0.40%	0.021%
112	9.237	9.223	9.251	VV	785	11668	0.22%	0.011%
113	9.255	9.251	9.259	VV	686	3199	0.06%	0.003%
114	9.275	9.259	9.282	VV	844	10411	0.19%	0.010%
115	9.308	9.282	9.372	VV	12813	158045	2.93%	0.150%
116	9.389	9.372	9.398	VV	830	11298	0.21%	0.011%
117	9.423	9.398	9.444	VV	1040	22440	0.42%	0.021%
118	9.446	9.444	9.452	VV	591	2741	0.05%	0.003%
119	9.462	9.452	9.479	VV	650	8720	0.16%	0.008%
120	9.482	9.479	9.486	VV	419	1644	0.03%	0.002%
121	9.495	9.486	9.526	VV	499	7567	0.14%	0.007%
122	9.547	9.526	9.583	VV	323	7330	0.14%	0.007%
123	9.596	9.583	9.623	VV	309	5236	0.10%	0.005%
124	9.627	9.623	9.635	VV	239	1222	0.02%	0.001%
125	9.648	9.635	9.677	VV	214	3283	0.06%	0.003%
126	9.686	9.677	9.702	VV	159	2201	0.04%	0.002%
127	9.704	9.702	9.739	VV	348	2461	0.05%	0.002%
128	9.775	9.739	9.957	VV	412292	4604989	85.43%	4.375%
129	9.992	9.957	10.016	VV	5241	81997	1.52%	0.078%
130	10.020	10.016	10.045	VV	1593	20143	0.37%	0.019%
131	10.067	10.045	10.097	VV	1947	40735	0.76%	0.039%
132	10.103	10.097	10.157	VV	1170	27409	0.51%	0.026%
133	10.187	10.157	10.249	VV	52729	604009	11.21%	0.574%
134	10.258	10.249	10.328	VV	437	13022	0.24%	0.012%
135	10.333	10.328	10.342	VV	211	1556	0.03%	0.001%
136	10.348	10.342	10.354	VV	230	1450	0.03%	0.001%
137	10.359	10.354	10.371	VV	217	1943	0.04%	0.002%
138	10.375	10.371	10.392	VV	246	1771	0.03%	0.002%
139	10.420	10.392	10.429	VV	250	3696	0.07%	0.004%
140	10.434	10.429	10.451	VV	159	1074	0.02%	0.001%
141	10.468	10.451	10.502	VV	332	6253	0.12%	0.006%

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142	10.511	10.502	10.550	VV	283	5627	0.10%	0.005%
143	10.563	10.550	10.567	VV	215	1582	0.03%	0.002%
144	10.581	10.567	10.600	VV	265	4192	0.08%	0.004%
145	10.615	10.600	10.656	VV	320	6053	0.11%	0.006%
146	10.673	10.656	10.691	VV	202	2538	0.05%	0.002%
147	10.709	10.691	10.734	VV	327	4965	0.09%	0.005%
148	10.749	10.734	10.769	VV	188	2838	0.05%	0.003%
149	10.792	10.769	10.802	VV	230	2921	0.05%	0.003%
150	10.813	10.802	10.840	VV	302	4661	0.09%	0.004%
151	10.883	10.840	10.899	VV	293	6963	0.13%	0.007%
152	10.903	10.899	10.911	VV	281	1607	0.03%	0.002%
153	10.928	10.911	10.962	VV	315	5587	0.10%	0.005%
154	10.995	10.962	11.042	PV	1025	24876	0.46%	0.024%
155	11.059	11.042	11.094	VV	502	8304	0.15%	0.008%
156	11.116	11.110	11.132	VV	188	1881	0.03%	0.002%
157	11.183	11.132	11.229	VV	420729	4729111	87.74%	4.493%
158	11.259	11.229	11.424	VV	417532	4949149	91.82%	4.702%
159	11.436	11.424	11.481	VV	1485	38530	0.71%	0.037%
160	11.504	11.481	11.544	VV	1390	43742	0.81%	0.042%
161	11.564	11.544	11.599	VV	1509	33190	0.62%	0.032%
162	11.634	11.599	11.693	VV	54197	651691	12.09%	0.619%
163	11.712	11.693	11.758	VV	749	20410	0.38%	0.019%
164	11.768	11.758	11.779	VV	347	3809	0.07%	0.004%
165	11.790	11.779	11.811	VV	339	5314	0.10%	0.005%
166	11.831	11.811	11.843	VV	306	4512	0.08%	0.004%
167	11.848	11.843	11.859	VV	208	1813	0.03%	0.002%
168	11.865	11.859	11.889	VV	234	2610	0.05%	0.002%
169	11.895	11.889	11.912	VV	143	1422	0.03%	0.001%
170	11.953	11.912	12.011	VV	442741	5090771	94.45%	4.837%
171	12.014	12.011	12.041	VV	662	10449	0.19%	0.010%
172	12.047	12.041	12.071	VV	552	7202	0.13%	0.007%
173	12.114	12.071	12.130	VV	714	16731	0.31%	0.016%
174	12.141	12.130	12.166	VV	373	6689	0.12%	0.006%
175	12.174	12.166	12.194	VV	290	4157	0.08%	0.004%
176	12.204	12.201	12.222	VV	227	1857	0.03%	0.002%
177	12.229	12.222	12.258	VV	238	3927	0.07%	0.004%
178	12.270	12.258	12.276	VV	268	2292	0.04%	0.002%
179	12.297	12.276	12.323	VV	460	9647	0.18%	0.009%
180	12.327	12.323	12.332	VV	273	1320	0.02%	0.001%
181	12.358	12.332	12.378	VV	1229	17193	0.32%	0.016%
182	12.397	12.378	12.431	VV	808	12594	0.23%	0.012%
183	12.441	12.431	12.461	VV	180	2695	0.05%	0.003%
184	12.469	12.461	12.483	VV	198	1558	0.03%	0.001%
185	12.513	12.483	12.536	VV	272	5513	0.10%	0.005%
186	12.537	12.536	12.556	VV	204	1442	0.03%	0.001%
187	12.571	12.556	12.577	VV	256	2315	0.04%	0.002%
188	12.583	12.577	12.608	VV	317	3908	0.07%	0.004%
189	12.630	12.617	12.644	VV	305	3561	0.07%	0.003%
190	12.661	12.644	12.672	VV	530	6054	0.11%	0.006%
191	12.684	12.672	12.700	VV	346	4387	0.08%	0.004%
192	12.733	12.700	12.745	VV	291	5833	0.11%	0.006%
193	12.771	12.753	12.782	VV	289	4254	0.08%	0.004%
194	12.809	12.782	12.841	VV	975	15414	0.29%	0.015%

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195	12.883	12.841	12.910	VV	1268	21114	0.39%	0.020%
196	12.946	12.910	12.975	VV	56587	668160	12.40%	0.635%
197	13.009	12.975	13.142	VV	412038	4874637	90.44%	4.632%
198	13.150	13.142	13.167	VV	790	10569	0.20%	0.010%
199	13.195	13.167	13.253	VV	2619	51460	0.95%	0.049%
200	13.258	13.253	13.269	VV	415	3616	0.07%	0.003%
201	13.308	13.269	13.351	VV	410377	4754373	88.20%	4.517%
202	13.393	13.351	13.524	VV	123258	1614833	29.96%	1.534%
203	13.560	13.524	13.602	VV	50412	637964	11.84%	0.606%
204	13.614	13.602	13.671	VV	1176	27252	0.51%	0.026%
205	13.684	13.671	13.731	VV	354	11259	0.21%	0.011%
206	13.738	13.731	13.744	VV	336	2225	0.04%	0.002%
207	13.753	13.744	13.761	VV	394	3472	0.06%	0.003%
208	13.765	13.761	13.769	VV	385	1924	0.04%	0.002%
209	13.779	13.769	13.803	VV	419	6793	0.13%	0.006%
210	13.809	13.803	13.832	VV	344	4849	0.09%	0.005%
211	13.838	13.832	13.844	VV	353	2246	0.04%	0.002%
212	13.850	13.844	13.868	VV	333	3678	0.07%	0.003%
213	13.874	13.868	13.884	VV	186	1526	0.03%	0.001%
214	13.896	13.884	13.907	VV	249	2635	0.05%	0.003%
215	13.912	13.907	13.923	VV	209	1591	0.03%	0.002%
216	13.944	13.932	13.951	VV	248	2135	0.04%	0.002%
217	13.971	13.951	14.004	VV	314	7970	0.15%	0.008%
218	14.016	14.004	14.049	VV	314	5387	0.10%	0.005%
219	14.098	14.064	14.117	VV	1271	19158	0.36%	0.018%
220	14.148	14.117	14.231	VV	50016	633282	11.75%	0.602%
221	14.264	14.231	14.319	VV	284	9016	0.17%	0.009%
222	14.326	14.319	14.344	VV	176	1880	0.03%	0.002%
223	14.353	14.344	14.374	VV	180	2575	0.05%	0.002%
224	14.381	14.374	14.404	VV	151	2564	0.05%	0.002%
225	14.407	14.404	14.424	VV	224	1562	0.03%	0.001%
226	14.431	14.424	14.466	VV	132	2121	0.04%	0.002%
227	14.473	14.466	14.510	VV	133	1984	0.04%	0.002%
228	14.527	14.510	14.564	PV	98	1773	0.03%	0.002%
229	14.588	14.564	14.621	VV	1073	15981	0.30%	0.015%
230	14.628	14.621	14.645	VV	191	2091	0.04%	0.002%
231	14.653	14.645	14.668	VV	155	1750	0.03%	0.002%
232	14.675	14.668	14.689	VV	120	1374	0.03%	0.001%
233	14.713	14.689	14.736	VV	336	4691	0.09%	0.004%
234	14.751	14.736	14.767	VV	203	2679	0.05%	0.003%
235	14.787	14.767	14.837	VV	452	12039	0.22%	0.011%
236	14.872	14.837	14.904	VV	298	8605	0.16%	0.008%
237	14.918	14.904	14.959	VV	202	4753	0.09%	0.005%
238	14.975	14.959	14.992	VV	164	2678	0.05%	0.003%
239	15.052	14.992	15.086	VV	268	8425	0.16%	0.008%
240	15.095	15.086	15.131	VV	175	2980	0.06%	0.003%
241	15.194	15.131	15.214	PV	343387	4355674	80.81%	4.139%
242	15.238	15.214	15.371	VV	372775	5347022	99.20%	5.080%
243	15.373	15.371	15.409	VV	1574	24571	0.46%	0.023%
244	15.422	15.409	15.459	VV	950	24054	0.45%	0.023%
245	15.475	15.459	15.549	VV	864	26706	0.50%	0.025%
246	15.561	15.549	15.597	VV	491	8938	0.17%	0.008%

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247	15.625	15.597	15.666	VV	1256	23880	0.44%	0.023%
248	15.673	15.666	15.727	VV	295	7619	0.14%	0.007%
249	15.734	15.727	15.753	VV	208	2662	0.05%	0.003%
250	15.795	15.753	15.828	VV	5614	80864	1.50%	0.077%
251	15.837	15.828	15.879	VV	303	4320	0.08%	0.004%
252	15.906	15.879	15.939	VV	297	6142	0.11%	0.006%
253	15.959	15.939	15.979	VV	151	2985	0.06%	0.003%
254	15.986	15.979	16.021	VV	174	1928	0.04%	0.002%
255	16.100	16.021	16.126	PV	206	5592	0.10%	0.005%
256	16.145	16.126	16.159	VV	192	2676	0.05%	0.003%
257	16.168	16.159	16.194	VV	150	2071	0.04%	0.002%
258	16.282	16.194	16.331	VV	45382	596298	11.06%	0.567%
259	16.342	16.331	16.369	VV	283	3834	0.07%	0.004%
260	16.425	16.395	16.452	VV	151	2524	0.05%	0.002%
261	16.475	16.452	16.516	VV	508	7880	0.15%	0.007%
262	16.594	16.516	16.616	PV	137	4510	0.08%	0.004%
263	16.624	16.616	16.653	VV	132	1664	0.03%	0.002%
264	16.686	16.653	16.692	PV	97	1097	0.02%	0.001%
265	16.759	16.692	16.775	VV	302923	4372918	81.13%	4.155%
266	16.792	16.775	16.887	VV	383241	4562052	84.64%	4.335%
267	16.906	16.887	16.999	VV	1511	59471	1.10%	0.057%
268	17.016	16.999	17.059	VV	524	14411	0.27%	0.014%
269	17.070	17.059	17.097	VV	407	7302	0.14%	0.007%
270	17.140	17.097	17.206	VV	335918	4304062	79.85%	4.090%
271	17.235	17.206	17.401	VV	43427	671909	12.47%	0.638%
272	17.407	17.401	17.455	VV	231	5527	0.10%	0.005%
273	17.472	17.455	17.487	VV	155	2106	0.04%	0.002%
274	17.574	17.487	17.611	PV	287	11738	0.22%	0.011%
275	17.618	17.611	17.639	VV	153	1822	0.03%	0.002%
276	17.685	17.639	17.754	VV	1249	23605	0.44%	0.022%
277	17.784	17.754	17.809	VV	202	4582	0.09%	0.004%
278	17.817	17.809	17.837	VV	123	1412	0.03%	0.001%
279	17.875	17.837	17.884	VV	122	2840	0.05%	0.003%
280	17.904	17.884	17.933	VV	181	2794	0.05%	0.003%
281	18.016	17.933	18.049	PV	267	9873	0.18%	0.009%
282	18.127	18.049	18.166	PV	37295	539042	10.00%	0.512%
283	18.218	18.166	18.242	VV	537	10449	0.19%	0.010%
284	18.320	18.242	18.382	VV	234	9965	0.18%	0.009%
285	18.411	18.382	18.432	PV	242	3271	0.06%	0.003%
286	18.450	18.432	18.472	PV	230	2597	0.05%	0.002%
287	18.520	18.472	18.536	PV	310267	4466090	82.86%	4.243%
288	18.557	18.536	18.731	VV	329764	4704492	87.28%	4.470%
289	18.777	18.731	18.851	PBA	323254	4614148	85.60%	4.384%
Sum of corrected areas:					105246081			

Aromatic EPH 102925.M Tue Nov 18 01:17:20 2025

Report of Analysis

Client:	Remington & Vernick Engineers		Date Collected:	
Project:	Edison Landfill		Date Received:	
Client Sample ID:	SED-3MS		SDG No.:	Q3586
Lab Sample ID:	Q3586-03MS		Matrix:	Solid
Analytical Method:	NJEPH		% Solid:	50.9
Sample Wt/Vol:	30.03 g	Final Vol: 2000 uL	Test:	EPH
Prep Method :		Prep Date 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C12	Aliphatic C9-C12	9.59	1		0.28	1.96	mg/kg	11/20/25	PB170577
Aliphatic C12-C16	Aliphatic C12-C16	8.55	1		0.22	1.31	mg/kg	11/20/25	PB170577
Aliphatic C16-C21	Aliphatic C16-C21	13.9	1		0.26	1.96	mg/kg	11/20/25	PB170577
Aliphatic C21-C28	Aliphatic C21-C28	17.2	1		1.04	2.62	mg/kg	11/20/25	PB170577
Aliphatic C28-C40	Aliphatic C28-C40	26.9	1		2.32	3.93	mg/kg	11/20/25	PB170577
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	56.1			40 - 140	112%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	0.00			40 - 140	0%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3586-03MS	Acq On:	20 Nov 2025 14:56
Client Sample ID:	Q3586-03MS	Operator:	YP\AJ
Data file:	FG016960.D	Misc:	
Instrument:	FID_G	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.258	6.899	8943130	73.302	300	ug/ml
Aliphatic C12-C16	6.900	10.356	8027210	65.341	200	ug/ml
Aliphatic C16-C21	10.357	13.743	14073690	106.3	300	ug/ml
Aliphatic C21-C28	13.744	17.429	18245505	131.23	400	ug/ml
Aliphatic C28-C40	17.430	22.445	23400015	205.634	600	ug/ml
Aliphatic EPH	3.258	22.445	72689550	581.807		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.480	13.480	6757299	56.11		ug/ml
Aliphatic C9-C28	3.258	17.429	49289535	376.173	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG112025AL\
 Data File : FG016960.D
 Signal(s) : FID1A.ch
 Acq On : 20 Nov 2025 14:56
 Operator : YP\AJ
 Sample : Q3586-03MS
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 SED-3MS

Integration File: autoint1.e
 Quant Time: Nov 20 23:50:25 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 29 16:21:47 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.480	6757299	56.108 ug/ml
Spiked Amount 50.000		Recovery =	112.22%
Target Compounds			
1) T n-Nonane (C9)	3.358	2349323	18.857 ug/ml
2) T n-Decane (C10)	4.618	2856087	22.309 ug/ml
4) T n-Dodecane (C12)	6.799	3223110	24.720 ug/ml
6) T n-Tetradecane (C14)	8.639	3469697	27.159 ug/ml
7) T n-Hexadecane (C16)	10.257	3970719	30.050 ug/ml
8) T n-Octadecane (C18)	11.710	4356154	31.259 ug/ml
10) T n-Eicosane (C20)	13.029	4575659	32.735 ug/ml
11) T n-Heneicosane (C21)	13.646	4564393	32.830 ug/ml
13) T n-Docosane (C22)	14.235	4568019	32.288 ug/ml
14) T n-Tetracosane (C24)	15.346	4523095	30.763 ug/ml
15) T n-Hexacosane (C26)	16.374	4385256	29.891 ug/ml
16) T n-Octacosane (C28)	17.330	4211681	28.610 ug/ml
17) T n-Tricontane (C30)	18.223	3962378	26.186 ug/ml
18) T n-Dotriacontane (C32)	19.060	3773323	25.598 ug/ml
19) T n-Tetratriacontane (C34)	19.849	3572245	27.721 ug/ml
20) T n-Hexatriacontane (C36)	20.593	3332671	32.198 ug/ml
21) T n-Octatriacontane (C38)	21.368	3219488	36.518 ug/ml
22) T n-Tetracontane (C40)	22.346	3074311	39.263 ug/ml

(f)=RT Delta > 1/2 Window

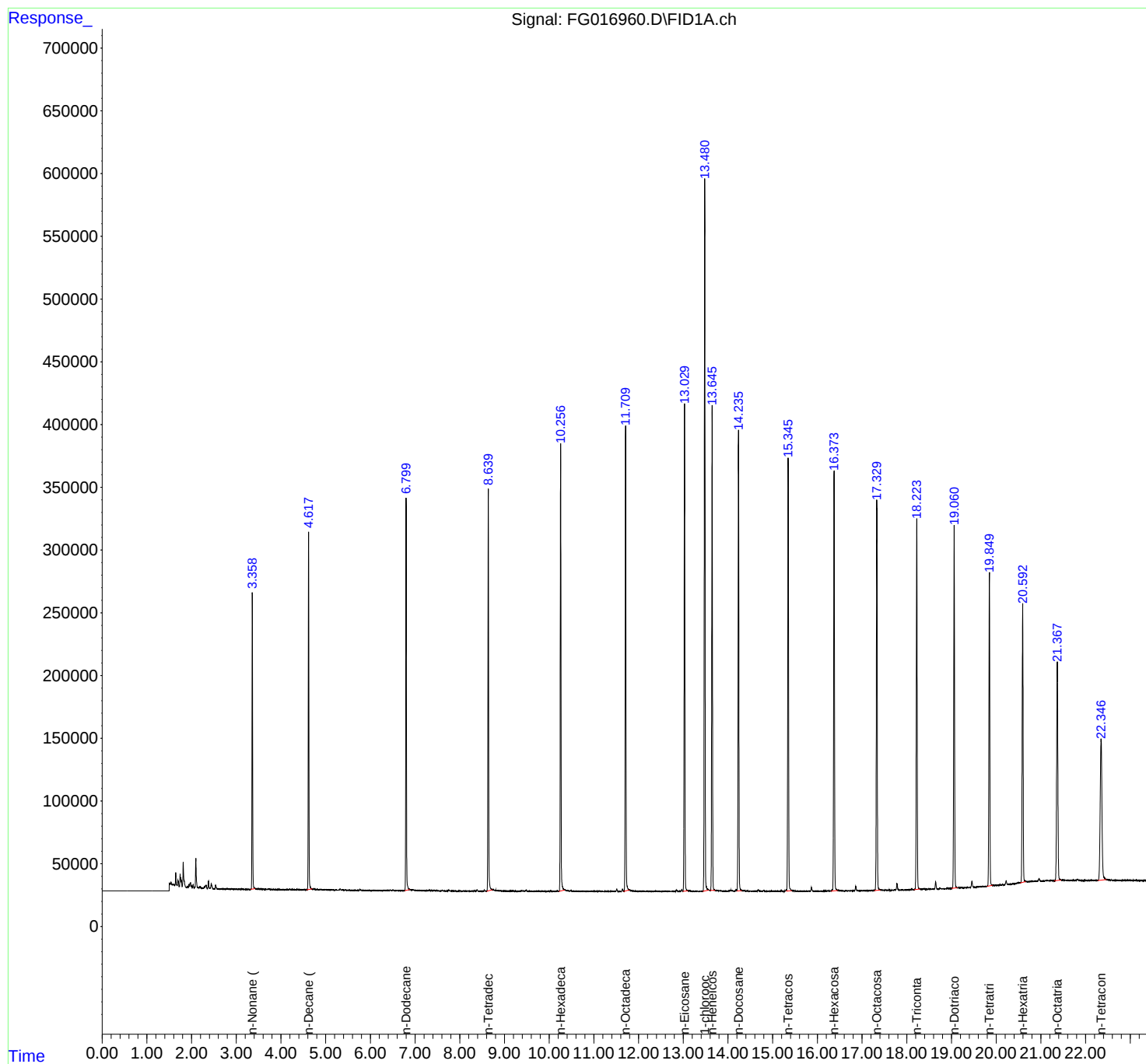
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG112025AL\
Data File : FG016960.D
Signal(s) : FID1A.ch
Acq On : 20 Nov 2025 14:56
Operator : YP\AJ
Sample : Q3586-03MS
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
SED-3MS

Integration File: autoint1.e
Quant Time: Nov 20 23:50:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 16:21:47 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG112025AL\
 Data File : FG016960.D
 Signal(s) : FID1A.ch
 Acq On : 20 Nov 2025 14:56
 Sample : Q3586-03MS
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.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	3.289	3.238	3.324	BV	23	-463	-0.01%	-0.001%
2	3.358	3.324	3.523	PV	236223	2396405	35.06%	3.013%
3	3.530	3.523	3.555	VV	271	4778	0.07%	0.006%
4	3.573	3.555	3.589	VV	268	4392	0.06%	0.006%
5	3.602	3.589	3.622	VV	266	4462	0.07%	0.006%
6	3.640	3.622	3.661	VV	266	4235	0.06%	0.005%
7	3.672	3.661	3.713	VV	282	6433	0.09%	0.008%
8	3.735	3.713	3.790	VV	245	7573	0.11%	0.010%
9	3.810	3.790	3.838	VV	186	3122	0.05%	0.004%
10	3.850	3.838	3.865	VV	159	1456	0.02%	0.002%
11	3.880	3.865	3.893	VV	100	1370	0.02%	0.002%
12	3.905	3.893	3.922	VV	63	865	0.01%	0.001%
13	3.931	3.922	3.941	VV	65	447	0.01%	0.001%
14	3.954	3.941	3.968	VV	140	1796	0.03%	0.002%
15	3.970	3.968	4.012	VV	109	1575	0.02%	0.002%
16	4.019	4.012	4.033	VV	71	811	0.01%	0.001%
17	4.049	4.033	4.068	VV	142	2221	0.03%	0.003%
18	4.074	4.068	4.132	VV	161	2860	0.04%	0.004%
19	4.157	4.132	4.174	VV	260	3465	0.05%	0.004%
20	4.191	4.174	4.210	VV	389	4499	0.07%	0.006%
21	4.226	4.210	4.245	VV	124	1811	0.03%	0.002%
22	4.266	4.245	4.315	VV	336	4929	0.07%	0.006%
23	4.362	4.315	4.381	VV	359	6822	0.10%	0.009%
24	4.387	4.381	4.408	VV	189	2222	0.03%	0.003%
25	4.412	4.408	4.455	VV	193	2905	0.04%	0.004%
26	4.458	4.455	4.482	VV	164	1615	0.02%	0.002%
27	4.529	4.482	4.545	VV	452	7714	0.11%	0.010%
28	4.561	4.545	4.583	VV	212	3211	0.05%	0.004%
29	4.618	4.583	4.717	VV	284677	2901583	42.45%	3.649%
30	4.734	4.717	4.780	VV	750	21301	0.31%	0.027%
31	4.807	4.780	4.856	VV	635	20600	0.30%	0.026%

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32	4.872	4.856	4.886	VV	473	7364	0.11%	0.009%
33	4.905	4.886	4.923	VV	699	10314	0.15%	0.013%
34	4.930	4.923	4.945	VV	328	4062	0.06%	0.005%
35	4.954	4.945	5.021	VV	351	13649	0.20%	0.017%
36	5.037	5.021	5.091	VV	383	12027	0.18%	0.015%
37	5.106	5.091	5.193	VV	280	12727	0.19%	0.016%
38	5.207	5.193	5.274	VV	238	7431	0.11%	0.009%
39	5.324	5.274	5.353	VV	1049	18504	0.27%	0.023%
40	5.384	5.353	5.419	VV	450	8842	0.13%	0.011%
41	5.440	5.419	5.468	VV	250	4730	0.07%	0.006%
42	5.474	5.468	5.488	VV	100	1123	0.02%	0.001%
43	5.499	5.488	5.511	VV	151	1421	0.02%	0.002%
44	5.528	5.511	5.544	VV	153	2161	0.03%	0.003%
45	5.557	5.544	5.595	VV	115	2275	0.03%	0.003%
46	5.619	5.595	5.651	VV	123	2795	0.04%	0.004%
47	5.656	5.651	5.699	VV	121	2353	0.03%	0.003%
48	5.716	5.699	5.741	VV	131	2221	0.03%	0.003%
49	5.765	5.741	5.791	VV	865	12498	0.18%	0.016%
50	5.804	5.791	5.853	VV	426	7071	0.10%	0.009%
51	5.864	5.853	5.928	VV	162	5240	0.08%	0.007%
52	5.966	5.928	6.017	VV	252	7419	0.11%	0.009%
53	6.030	6.017	6.048	VV	153	1987	0.03%	0.002%
54	6.074	6.048	6.121	VV	232	4943	0.07%	0.006%
55	6.135	6.121	6.188	VV	201	4637	0.07%	0.006%
56	6.198	6.188	6.218	VV	152	1660	0.02%	0.002%
57	6.242	6.218	6.268	PV	270	3349	0.05%	0.004%
58	6.297	6.268	6.321	VV	226	3937	0.06%	0.005%
59	6.359	6.321	6.378	VV	435	8174	0.12%	0.010%
60	6.397	6.378	6.423	VV	451	6921	0.10%	0.009%
61	6.442	6.423	6.472	VV	761	11134	0.16%	0.014%
62	6.507	6.472	6.555	VV	902	13804	0.20%	0.017%
63	6.580	6.555	6.628	VV	211	6275	0.09%	0.008%
64	6.634	6.628	6.661	VV	147	1704	0.02%	0.002%
65	6.683	6.661	6.756	VV	149	5012	0.07%	0.006%
66	6.799	6.756	6.941	VV	312293	3296351	48.23%	4.145%
67	6.952	6.941	7.012	VV	1003	27896	0.41%	0.035%
68	7.027	7.012	7.062	VV	606	13213	0.19%	0.017%
69	7.086	7.062	7.115	VV	394	9913	0.15%	0.012%
70	7.139	7.115	7.184	VV	361	11271	0.16%	0.014%
71	7.194	7.184	7.233	VV	277	6433	0.09%	0.008%
72	7.256	7.233	7.291	VV	301	7203	0.11%	0.009%
73	7.314	7.291	7.355	VV	485	12794	0.19%	0.016%
74	7.375	7.355	7.404	VV	461	9333	0.14%	0.012%
75	7.433	7.404	7.461	VV	465	11527	0.17%	0.014%
76	7.481	7.461	7.509	VV	400	6996	0.10%	0.009%
77	7.519	7.509	7.528	VV	187	1682	0.02%	0.002%
78	7.551	7.528	7.579	VV	180	3900	0.06%	0.005%
79	7.606	7.579	7.644	VV	843	11271	0.16%	0.014%

80	7.684	7.644	7.707	VV	177	4743	0.07%	0.006%
81	7.754	7.707	7.797	VV	657	14964	0.22%	0.019%
82	7.813	7.797	7.948	VV	235	9391	0.14%	0.012%
83	8.018	7.948	8.058	VV	336	6233	0.09%	0.008%
84	8.088	8.058	8.102	VV	172	2533	0.04%	0.003%
85	8.115	8.102	8.139	VV	219	2781	0.04%	0.003%
86	8.149	8.139	8.159	PV	81	712	0.01%	0.001%
87	8.185	8.159	8.227	VV	220	5194	0.08%	0.007%
88	8.241	8.227	8.268	VV	200	3622	0.05%	0.005%
89	8.285	8.268	8.303	VV	200	2795	0.04%	0.004%
90	8.330	8.303	8.364	VV	471	8133	0.12%	0.010%
91	8.386	8.364	8.445	VV	1386	18648	0.27%	0.023%
92	8.455	8.445	8.475	VV	76	1020	0.01%	0.001%
93	8.545	8.475	8.604	PV	625	13879	0.20%	0.017%
94	8.638	8.604	8.817	VV	318480	3566496	52.18%	4.485%
95	8.828	8.817	8.865	VV	573	13767	0.20%	0.017%
96	8.876	8.865	8.960	VV	593	16685	0.24%	0.021%
97	8.996	8.960	9.087	VV	321	18091	0.26%	0.023%
98	9.104	9.087	9.118	VV	288	4279	0.06%	0.005%
99	9.123	9.118	9.148	VV	255	4488	0.07%	0.006%
100	9.158	9.148	9.171	VV	291	3589	0.05%	0.005%
101	9.185	9.171	9.235	VV	370	9062	0.13%	0.011%
102	9.242	9.235	9.282	VV	203	3194	0.05%	0.004%
103	9.296	9.282	9.319	VV	156	1645	0.02%	0.002%
104	9.373	9.319	9.391	VV	606	8901	0.13%	0.011%
105	9.404	9.391	9.418	VV	342	4515	0.07%	0.006%
106	9.437	9.418	9.451	VV	285	4434	0.06%	0.006%
107	9.483	9.451	9.531	VV	1033	19942	0.29%	0.025%
108	9.559	9.531	9.581	VV	194	2945	0.04%	0.004%
109	9.608	9.581	9.651	VV	179	2872	0.04%	0.004%
110	9.660	9.651	9.680	VV	109	1161	0.02%	0.001%
111	9.715	9.680	9.746	VV	259	5926	0.09%	0.007%
112	9.773	9.746	9.818	VV	333	6140	0.09%	0.008%
113	9.842	9.818	9.877	VV	334	5259	0.08%	0.007%
114	9.895	9.877	9.944	VV	225	2796	0.04%	0.004%
115	9.952	9.944	9.960	VV	53	298	0.00%	0.000%
116	9.988	9.960	10.014	PV	278	4410	0.06%	0.006%
117	10.034	10.014	10.080	VV	776	10028	0.15%	0.013%
118	10.104	10.080	10.115	PV	77	971	0.01%	0.001%
119	10.125	10.115	10.151	VV	80	705	0.01%	0.001%
120	10.177	10.151	10.217	VV	611	9173	0.13%	0.012%
121	10.256	10.217	10.465	VV	356688	4067358	59.51%	5.115%
122	10.486	10.465	10.535	VV	971	22065	0.32%	0.028%
123	10.541	10.535	10.555	VV	355	3327	0.05%	0.004%
124	10.581	10.555	10.618	VV	309	9892	0.14%	0.012%
125	10.649	10.618	10.714	VV	363	13287	0.19%	0.017%
126	10.735	10.714	10.788	VV	236	6839	0.10%	0.009%

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127	10.794	10.788	10.811	VV	151	1643	0.02%	0.002%
128	10.815	10.811	10.835	VV	139	1234	0.02%	0.002%
129	10.869	10.835	10.913	VV	153	5372	0.08%	0.007%
130	10.947	10.913	10.966	VV	315	6768	0.10%	0.009%
131	11.005	10.966	11.045	VV	468	11255	0.16%	0.014%
132	11.077	11.045	11.105	VV	244	6669	0.10%	0.008%
133	11.128	11.105	11.167	VV	463	9843	0.14%	0.012%
134	11.193	11.167	11.210	VV	250	4397	0.06%	0.006%
135	11.219	11.210	11.240	VV	181	1984	0.03%	0.002%
136	11.263	11.240	11.299	PV	112	2551	0.04%	0.003%
137	11.330	11.299	11.357	VV	307	5845	0.09%	0.007%
138	11.377	11.357	11.405	VV	423	6622	0.10%	0.008%
139	11.428	11.405	11.443	VV	207	3786	0.06%	0.005%
140	11.460	11.443	11.481	VV	156	2450	0.04%	0.003%
141	11.512	11.481	11.555	VV	2168	27658	0.40%	0.035%
142	11.562	11.555	11.592	VV	74	658	0.01%	0.001%
143	11.640	11.592	11.675	PV	2175	31242	0.46%	0.039%
144	11.709	11.675	11.972	VV	368266	4467561	65.36%	5.618%
145	12.007	11.972	12.055	VV	339	13348	0.20%	0.017%
146	12.058	12.055	12.065	VV	251	1485	0.02%	0.002%
147	12.075	12.065	12.084	VV	257	2620	0.04%	0.003%
148	12.101	12.084	12.154	VV	290	9088	0.13%	0.011%
149	12.176	12.154	12.252	VV	437	12523	0.18%	0.016%
150	12.262	12.252	12.292	VV	141	2484	0.04%	0.003%
151	12.318	12.292	12.338	VV	152	3360	0.05%	0.004%
152	12.383	12.338	12.415	VV	381	10154	0.15%	0.013%
153	12.426	12.415	12.459	VV	187	3333	0.05%	0.004%
154	12.482	12.459	12.493	VV	186	2212	0.03%	0.003%
155	12.521	12.493	12.559	VV	190	4974	0.07%	0.006%
156	12.603	12.559	12.641	VV	284	7644	0.11%	0.010%
157	12.673	12.641	12.705	VV	262	4821	0.07%	0.006%
158	12.722	12.705	12.738	VV	173	2340	0.03%	0.003%
159	12.764	12.738	12.791	VV	272	4890	0.07%	0.006%
160	12.849	12.791	12.934	VV	1099	25454	0.37%	0.032%
161	12.968	12.934	12.991	PV	1596	21288	0.31%	0.027%
162	13.029	12.991	13.132	VV	388388	4607273	67.41%	5.794%
163	13.145	13.132	13.268	VV	561	20398	0.30%	0.026%
164	13.284	13.268	13.305	VV	169	3193	0.05%	0.004%
165	13.307	13.305	13.335	VV	161	2075	0.03%	0.003%
166	13.343	13.335	13.370	VV	122	2166	0.03%	0.003%
167	13.480	13.370	13.607	VV	567955	6834862	100.00%	8.595%
168	13.646	13.607	13.808	VV	381161	4653619	68.09%	5.852%
169	13.826	13.808	13.894	VV	590	21423	0.31%	0.027%
170	13.925	13.894	13.975	VV	377	14284	0.21%	0.018%
171	13.992	13.975	14.004	VV	278	4694	0.07%	0.006%
172	14.025	14.004	14.040	VV	580	8802	0.13%	0.011%
173	14.075	14.040	14.151	VV	1078	31973	0.47%	0.040%
174	14.182	14.151	14.199	VV	1736	24901	0.36%	0.031%

175	14.235	14.199	14.343	VV	365431	4609098	67.44%	5.796%
176	14.363	14.343	14.405	VV	686	16228	0.24%	0.020%
177	14.435	14.405	14.533	VV	376	21313	0.31%	0.027%
178	14.538	14.533	14.555	VV	225	2309	0.03%	0.003%
179	14.562	14.555	14.616	VV	213	6236	0.09%	0.008%
180	14.631	14.616	14.647	VV	169	2881	0.04%	0.004%
181	14.680	14.647	14.770	VV	1285	30902	0.45%	0.039%
182	14.801	14.770	14.851	VV	1001	17888	0.26%	0.022%
183	14.970	14.851	14.989	VV	320	13992	0.20%	0.018%
184	15.006	14.989	15.041	VV	175	4194	0.06%	0.005%
185	15.082	15.041	15.111	VV	170	4823	0.07%	0.006%
186	15.118	15.111	15.135	VV	140	1425	0.02%	0.002%
187	15.156	15.135	15.167	VV	143	1897	0.03%	0.002%
188	15.190	15.167	15.253	VV	505	10485	0.15%	0.013%
189	15.300	15.253	15.310	VV	1201	15556	0.23%	0.020%
190	15.347	15.310	15.496	VV	339925	4562189	66.75%	5.737%
191	15.512	15.496	15.606	VV	286	10125	0.15%	0.013%
192	15.622	15.606	15.703	VV	156	5025	0.07%	0.006%
193	15.723	15.703	15.751	VV	112	2203	0.03%	0.003%
194	15.761	15.751	15.808	VV	94	2030	0.03%	0.003%
195	15.870	15.808	15.966	VV	2590	39685	0.58%	0.050%
196	15.973	15.966	15.987	VV	75	308	0.00%	0.000%
197	16.045	15.987	16.101	PV	94	3920	0.06%	0.005%
198	16.119	16.101	16.131	VV	63	643	0.01%	0.001%
199	16.151	16.131	16.161	VV	93	925	0.01%	0.001%
200	16.192	16.161	16.221	VV	136	3269	0.05%	0.004%
201	16.240	16.221	16.286	VV	230	4609	0.07%	0.006%
202	16.375	16.286	16.531	VV	333802	4421416	64.69%	5.560%
203	16.545	16.531	16.615	VV	203	6008	0.09%	0.008%
204	16.684	16.615	16.714	VV	252	5277	0.08%	0.007%
205	16.736	16.714	16.787	VV	113	2268	0.03%	0.003%
206	16.859	16.787	16.921	VV	3581	54224	0.79%	0.068%
207	16.932	16.921	16.983	VV	80	1410	0.02%	0.002%
208	17.037	16.983	17.056	PV	148	3108	0.05%	0.004%
209	17.095	17.056	17.121	VV	110	2665	0.04%	0.003%
210	17.164	17.121	17.188	PV	130	2785	0.04%	0.004%
211	17.210	17.188	17.263	VV	259	4718	0.07%	0.006%
212	17.330	17.263	17.481	VV	308816	4241391	62.06%	5.333%
213	17.493	17.481	17.525	VV	182	4032	0.06%	0.005%
214	17.543	17.525	17.555	VV	175	2642	0.04%	0.003%
215	17.573	17.555	17.595	VV	177	3385	0.05%	0.004%
216	17.614	17.595	17.642	VV	166	3270	0.05%	0.004%
217	17.673	17.642	17.689	VV	153	2048	0.03%	0.003%
218	17.782	17.689	17.850	PV	5180	82982	1.21%	0.104%
219	17.894	17.850	17.925	VV	153	4453	0.07%	0.006%
220	17.954	17.925	17.973	VV	91	1674	0.02%	0.002%
221	17.991	17.973	18.026	PV	102	1707	0.02%	0.002%

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222	18.063	18.026	18.086	PV	169	2497	0.04%	0.003%
223	18.113	18.086	18.145	VV	894	12501	0.18%	0.016%
224	18.223	18.145	18.341	PV	296195	3995383	58.46%	5.024%
225	18.372	18.341	18.445	VV	571	17016	0.25%	0.021%
226	18.499	18.445	18.518	VV	282	5081	0.07%	0.006%
227	18.546	18.518	18.595	VV	146	3594	0.05%	0.005%
228	18.646	18.595	18.692	VV	5935	83525	1.22%	0.105%
229	18.740	18.692	18.788	VV	621	10252	0.15%	0.013%
230	18.908	18.788	18.932	PV	298	4291	0.06%	0.005%
231	18.954	18.932	18.976	VV	137	2111	0.03%	0.003%
232	19.060	18.976	19.148	PV	281328	3794199	55.51%	4.771%
233	19.163	19.148	19.192	VV	395	8028	0.12%	0.010%
234	19.216	19.192	19.271	VV	304	8236	0.12%	0.010%
235	19.315	19.271	19.338	VV	269	5059	0.07%	0.006%
236	19.358	19.338	19.395	VV	182	3053	0.04%	0.004%
237	19.457	19.395	19.531	PV	5127	81940	1.20%	0.103%
238	19.569	19.531	19.588	VV	398	4774	0.07%	0.006%
239	19.708	19.588	19.735	VV	447	19949	0.29%	0.025%
240	19.752	19.735	19.777	VV	330	5998	0.09%	0.008%
241	19.849	19.777	19.953	VV	249052	3626049	53.05%	4.560%
242	19.965	19.953	19.971	VV	625	6808	0.10%	0.009%
243	20.004	19.971	20.024	VV	693	19090	0.28%	0.024%
244	20.092	20.024	20.110	VV	788	32651	0.48%	0.041%
245	20.137	20.110	20.184	VV	898	33505	0.49%	0.042%
246	20.224	20.184	20.265	VV	3885	81104	1.19%	0.102%
247	20.289	20.265	20.300	VV	886	18437	0.27%	0.023%
248	20.410	20.300	20.422	VV	1182	72513	1.06%	0.091%
249	20.461	20.422	20.473	VV	1408	38614	0.56%	0.049%
250	20.499	20.473	20.527	VV	1862	51107	0.75%	0.064%
251	20.593	20.527	20.698	VV	223850	3532510	51.68%	4.442%
252	20.777	20.698	20.791	VV	2187	120160	1.76%	0.151%
253	20.827	20.791	20.840	VV	2259	64524	0.94%	0.081%
254	20.866	20.840	20.898	VV	2343	77264	1.13%	0.097%
255	20.960	20.898	21.021	VV	3974	186780	2.73%	0.235%
256	21.062	21.021	21.074	VV	2045	64778	0.95%	0.081%
257	21.151	21.074	21.184	VV	2182	137065	2.01%	0.172%
258	21.218	21.184	21.251	VV	1978	76945	1.13%	0.097%
259	21.262	21.251	21.295	VV	1868	46913	0.69%	0.059%
260	21.367	21.295	21.634	VV	176062	3570388	52.24%	4.490%
261	21.654	21.634	21.678	VV	1304	33209	0.49%	0.042%
262	21.721	21.678	21.765	VV	1248	60432	0.88%	0.076%
263	21.823	21.765	21.918	VV	1698	99421	1.45%	0.125%
264	21.931	21.918	21.941	VV	760	9921	0.15%	0.012%
265	21.955	21.941	21.991	VV	704	17982	0.26%	0.023%
266	22.000	21.991	22.025	VV	557	10108	0.15%	0.013%
267	22.040	22.025	22.051	VV	471	7146	0.10%	0.009%
268	22.083	22.051	22.135	VV	406	16881	0.25%	0.021%
269	22.147	22.135	22.178	VV	262	5692	0.08%	0.007%

270	22.205	22.178	22.232	VV	168	4410	0.06%	0.006%
271	22.251	22.232	22.260	VV	77	1072	0.02%	0.001%
272	22.348	22.260	22.501	PBA	111503	3102856	45.40%	3.902%
Sum of corrected areas:						79524416		

Aliphatic EPH 102925.M Fri Nov 21 00:25:13 2025

Report of Analysis

Client:	Remington & Vernick Engineers		Date Collected:	
Project:	Edison Landfill		Date Received:	
Client Sample ID:	SED-3MSD		SDG No.:	Q3586
Lab Sample ID:	Q3586-03MSD		Matrix:	Solid
Analytical Method:	NJEPH		% Solid:	50.9
Sample Wt/Vol:	30.01 g	Final Vol: 2000 uL	Test:	EPH
Prep Method :		Prep Date : 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C9-C12	Aliphatic C9-C12	9.47		1	0.28	1.96	mg/kg	FG016961.D	11/20/25 15:41	PB170577
Aliphatic C12-C16	Aliphatic C12-C16	8.48		1	0.22	1.31	mg/kg	FG016961.D	11/20/25 15:41	PB170577
Aliphatic C16-C21	Aliphatic C16-C21	13.7		1	0.26	1.96	mg/kg	FG016961.D	11/20/25 15:41	PB170577
Aliphatic C21-C28	Aliphatic C21-C28	16.9		1	1.04	2.62	mg/kg	FG016961.D	11/20/25 15:41	PB170577
Aliphatic C28-C40	Aliphatic C28-C40	26.7		1	2.32	3.93	mg/kg	FG016961.D	11/20/25 15:41	PB170577
Aromatic C10-C12	Aromatic C10-C12	8.32		1	0.24	1.31	mg/kg	FF016727.D	11/17/25 20:29	PB170577
Aromatic C12-C16	Aromatic C12-C16	14.0		1	0.45	1.96	mg/kg	FF016727.D	11/17/25 20:29	PB170577
Aromatic C16-C21	Aromatic C16-C21	33.7		1	0.79	3.27	mg/kg	FF016727.D	11/17/25 20:29	PB170577
Aromatic C21-C36	Aromatic C21-C36	46.2		1	2.34	5.24	mg/kg	FF016727.D	11/17/25 20:29	PB170577
Total AliphaticEPH	Total AliphaticEPH	75.3			4.11	11.8	mg/kg			
Total AromaticEPH	Total AromaticEPH	102			3.81	11.8	mg/kg			
Total EPH	Total EPH	177			7.92	23.6	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:	Remington & Vernick Engineers		Date Collected:	
Project:	Edison Landfill		Date Received:	
Client Sample ID:	SED-3MSD		SDG No.:	Q3586
Lab Sample ID:	Q3586-03MSD		Matrix:	Solid
Analytical Method:	NJEPH		% Solid:	50.9
Sample Wt/Vol:	30.01 g	Final Vol: 2000 uL	Test:	EPH
Prep Method :		Prep Date 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aromatic C10-C12	Aromatic C10-C12	8.32	1		0.24	1.31	mg/kg	11/17/25	PB170577
Aromatic C12-C16	Aromatic C12-C16	14.0	1		0.45	1.96	mg/kg	11/17/25	PB170577
Aromatic C16-C21	Aromatic C16-C21	33.7	1		0.79	3.27	mg/kg	11/17/25	PB170577
Aromatic C21-C36	Aromatic C21-C36	46.2	1		2.34	5.24	mg/kg	11/17/25	PB170577
SURROGATES									
580-13-2	2-Bromonaphthalene (SURR)	48.1			40 - 140	96%	SPK: 50		
321-60-8	2-Fluorobiphenyl (SURR)	51.5			40 - 140	103%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	35.5			40 - 140	71%	SPK: 50		

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q3586-03MSD	Acq On:	17 Nov 2025 20:29
Client Sample ID:	Q3586-03MSD	Operator:	YP\AJ
Data file:	FF016727.D	Misc:	
Instrument:	FID_F	ALS Vial:	81
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.502	6.378	8388158	63.564	200	ug/ml
Aromatic C12-C16	6.379	9.083	14422567	106.702	300	ug/ml
Aromatic C16-C21	9.084	13.405	34414242	257.316	500	ug/ml
Aromatic C21-C36	13.406	18.870	41516220	352.83	800	ug/ml
Aromatic EPH	4.502	18.870	98741187	780.413		ug/ml
ortho-Terphenyl (SURR)	11.953	11.953	5206037	35.45		ug/ml
2-Bromonaphthalene (SURR)	8.010	8.010	5451012	48.1		ug/ml
2-Fluorobiphenyl (SURR)	8.886	8.886	3671951	51.48		ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111725AR\
 Data File : FF016727.D
 Signal(s) : FID2B.ch
 Acq On : 17 Nov 2025 20:29
 Operator : YP\AJ
 Sample : Q3586-03MSD
 Misc :
 ALS Vial : 81 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 SED-3MSD

Integration File: autoint1.e
 Quant Time: Nov 18 00:37:49 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 29 18:27:43 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	8.010	5451012	48.102 ug/ml
Spiked Amount 50.000		Recovery =	96.20%
6) S 2-Fluorobiphenyl (SURR)	8.886	3671951	51.485 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	102.97%
11) S ortho-Terphenyl (SURR)	11.953	5206037	35.451 ug/ml
Spiked Amount 50.000		Recovery =	70.90%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.602	3638107	27.638 ug/ml
2) T Naphthalene (C11.7)	6.278	3915385	29.597 ug/ml
3) T 2-Methylnaphthalene (...)	7.379	3658291	27.519 ug/ml
5) T Acenaphthylene (C15.06)	8.685	4338030	32.109 ug/ml
7) T Acenaphthene (C15.5)	8.985	4454430	32.405 ug/ml
8) T Flouorene (C16.55)	9.775	4650800	35.723 ug/ml
9) T Phenanthrene (C19.36)	11.184	4835762	36.571 ug/ml
10) T Anthracene (C19.43)	11.259	5008654	36.962 ug/ml
12) T Fluoranthene (C21.85)	13.009	4947576	36.051 ug/ml
13) T Pyrene (C20.8)	13.308	4847947	35.375 ug/ml
14) T Benzo[a]anthracene (C...	15.194	4464980	39.204 ug/ml
15) T Chrysene (C27.41)	15.238	5420407	38.411 ug/ml
16) T benzo[b]fluoranthene ...	16.759	4465931	40.184 ug/ml
17) T Bnezo[k]fluoranthene ...	16.792	4633293	37.933 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.140	4384198	39.947 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.520	4569764	53.105 ug/ml
20) T Dibenz[a,h]anthracene...	18.557	4852505	36.847 ug/ml
21) T Benzo[g,h,i]perylene ...	18.777	4789362	45.194 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111725AR\
 Data File : FF016727.D
 Signal(s) : FID2B.ch
 Acq On : 17 Nov 2025 20:29
 Sample : Q3586-03MSD
 Misc :
 ALS Vial : 81 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.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	4.477	4.454	4.498	PV	304	3549	0.06%	0.003%
2	4.567	4.525	4.582	PV	47383	465494	8.41%	0.431%
3	4.602	4.582	4.658	VV	371623	3647919	65.91%	3.378%
4	4.676	4.658	4.702	VV	3983	51946	0.94%	0.048%
5	4.721	4.702	4.772	VV	5183	76887	1.39%	0.071%
6	4.775	4.772	4.806	VV	421	7394	0.13%	0.007%
7	4.820	4.806	4.835	VV	547	6309	0.11%	0.006%
8	4.853	4.835	4.873	VV	746	10010	0.18%	0.009%
9	4.886	4.873	4.910	VV	304	5681	0.10%	0.005%
10	4.914	4.910	4.925	VV	287	2135	0.04%	0.002%
11	4.933	4.925	4.949	VV	278	3297	0.06%	0.003%
12	4.955	4.949	4.975	VV	323	3965	0.07%	0.004%
13	4.985	4.975	5.003	VV	338	4255	0.08%	0.004%
14	5.009	5.003	5.023	VV	246	2511	0.05%	0.002%
15	5.028	5.023	5.054	VV	235	3380	0.06%	0.003%
16	5.064	5.054	5.081	VV	336	4047	0.07%	0.004%
17	5.087	5.081	5.096	VV	272	1639	0.03%	0.002%
18	5.115	5.107	5.143	VV	198	2490	0.04%	0.002%
19	5.158	5.143	5.208	VV	184	3992	0.07%	0.004%
20	5.272	5.223	5.307	VV	1367	21388	0.39%	0.020%
21	5.325	5.307	5.349	VV	357	5788	0.10%	0.005%
22	5.359	5.349	5.373	VV	219	2128	0.04%	0.002%
23	5.390	5.373	5.448	VV	281	5820	0.11%	0.005%
24	5.480	5.465	5.496	VV	161	1241	0.02%	0.001%
25	5.516	5.496	5.569	PV	1352	22927	0.41%	0.021%
26	5.571	5.569	5.586	VV	285	2127	0.04%	0.002%
27	5.591	5.586	5.602	VV	222	1596	0.03%	0.001%
28	5.607	5.602	5.628	VV	179	1438	0.03%	0.001%
29	5.636	5.628	5.648	VV	114	1130	0.02%	0.001%
30	5.652	5.648	5.671	VV	139	1325	0.02%	0.001%
31	5.709	5.689	5.725	PV	556	6781	0.12%	0.006%
32	5.739	5.725	5.744	VV	447	3748	0.07%	0.003%
33	5.755	5.744	5.780	VV	465	5323	0.10%	0.005%
34	5.787	5.780	5.802	VV	180	1432	0.03%	0.001%
35	5.809	5.802	5.856	VV	144	2318	0.04%	0.002%
36	5.905	5.893	5.941	VV	234	3390	0.06%	0.003%

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37	5.971	5.962	5.992	VV	182	1916	0.03%	0.002%
38	6.022	5.992	6.040	VV	223	3965	0.07%	0.004%
39	6.062	6.040	6.071	VV	184	1725	0.03%	0.002%
40	6.080	6.071	6.098	VV	288	2793	0.05%	0.003%
41	6.147	6.119	6.166	VV	162	1229	0.02%	0.001%
42	6.196	6.166	6.232	PV	615	9030	0.16%	0.008%
43	6.239	6.232	6.249	VV	212	1543	0.03%	0.001%
44	6.278	6.249	6.374	VV	396548	3972706	71.78%	3.678%
45	6.388	6.374	6.424	VV	1880	39804	0.72%	0.037%
46	6.426	6.424	6.436	VV	908	5974	0.11%	0.006%
47	6.453	6.436	6.486	VV	1514	30186	0.55%	0.028%
48	6.492	6.486	6.500	VV	636	4776	0.09%	0.004%
49	6.517	6.500	6.557	VV	700	20126	0.36%	0.019%
50	6.562	6.557	6.568	VV	478	2959	0.05%	0.003%
51	6.574	6.568	6.578	VV	521	3069	0.06%	0.003%
52	6.586	6.578	6.598	VV	538	5741	0.10%	0.005%
53	6.613	6.598	6.619	VV	463	5253	0.09%	0.005%
54	6.624	6.619	6.677	VV	363	10900	0.20%	0.010%
55	6.683	6.677	6.689	VV	306	1855	0.03%	0.002%
56	6.703	6.689	6.709	VV	228	2299	0.04%	0.002%
57	6.745	6.716	6.814	VV	50780	533712	9.64%	0.494%
58	6.820	6.814	6.822	VV	442	1824	0.03%	0.002%
59	6.828	6.822	6.847	VV	501	5891	0.11%	0.005%
60	6.867	6.847	6.880	VV	429	6290	0.11%	0.006%
61	6.900	6.880	6.923	VV	679	10011	0.18%	0.009%
62	6.934	6.923	6.951	VV	351	3635	0.07%	0.003%
63	6.975	6.951	7.000	VV	421	6949	0.13%	0.006%
64	7.029	7.018	7.065	VV	257	3928	0.07%	0.004%
65	7.081	7.065	7.104	VV	220	3095	0.06%	0.003%
66	7.153	7.122	7.173	PV	296	5251	0.09%	0.005%
67	7.202	7.173	7.238	VV	343	6838	0.12%	0.006%
68	7.283	7.238	7.341	VV	8615	118812	2.15%	0.110%
69	7.379	7.341	7.504	VV	345006	3729251	67.38%	3.453%
70	7.520	7.504	7.536	VV	1864	28291	0.51%	0.026%
71	7.551	7.536	7.567	VV	1713	25359	0.46%	0.023%
72	7.584	7.567	7.597	VV	1887	27482	0.50%	0.025%
73	7.608	7.597	7.643	VV	1513	28271	0.51%	0.026%
74	7.660	7.643	7.682	VV	1291	20625	0.37%	0.019%
75	7.695	7.682	7.715	VV	709	11593	0.21%	0.011%
76	7.724	7.715	7.742	VV	432	6514	0.12%	0.006%
77	7.754	7.742	7.772	VV	684	10217	0.18%	0.009%
78	7.784	7.772	7.814	VV	588	9482	0.17%	0.009%
79	7.822	7.814	7.839	VV	232	2898	0.05%	0.003%
80	7.869	7.839	7.890	VV	697	10968	0.20%	0.010%
81	7.924	7.890	7.945	VV	363	7904	0.14%	0.007%
82	7.965	7.945	7.978	VV	766	6091	0.11%	0.006%
83	8.010	7.978	8.107	VV	539763	5534308	100.00%	5.124%
84	8.113	8.107	8.219	VV	1746	75088	1.36%	0.070%
85	8.225	8.219	8.249	VV	624	9959	0.18%	0.009%
86	8.270	8.249	8.302	VV	659	15953	0.29%	0.015%
87	8.327	8.302	8.357	VV	649	14065	0.25%	0.013%
88	8.364	8.357	8.389	VV	367	5721	0.10%	0.005%
89	8.396	8.389	8.420	VV	315	4375	0.08%	0.004%

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90	8.432	8.420	8.449	VV	208	2919	0.05%	0.003%
91	8.453	8.449	8.462	VV	224	1524	0.03%	0.001%
92	8.481	8.462	8.530	VV	508	12060	0.22%	0.011%
93	8.579	8.538	8.639	VV	52676	559541	10.11%	0.518%
94	8.641	8.639	8.650	VV	247	1219	0.02%	0.001%
95	8.685	8.650	8.801	VV	431162	4374852	79.05%	4.051%
96	8.813	8.801	8.844	VV	810	16450	0.30%	0.015%
97	8.847	8.844	8.853	VV	442	2341	0.04%	0.002%
98	8.886	8.853	8.956	VV	344934	3719425	67.21%	3.444%
99	8.985	8.956	9.107	VV	444714	4562376	82.44%	4.224%
100	9.110	9.107	9.115	VV	1483	7396	0.13%	0.007%
101	9.119	9.115	9.169	VV	1497	38533	0.70%	0.036%
102	9.176	9.169	9.222	VV	955	25490	0.46%	0.024%
103	9.235	9.222	9.256	VV	778	13771	0.25%	0.013%
104	9.269	9.256	9.284	VV	797	12817	0.23%	0.012%
105	9.307	9.284	9.373	VV	12863	158961	2.87%	0.147%
106	9.383	9.373	9.402	VV	800	12185	0.22%	0.011%
107	9.421	9.402	9.450	VV	1002	21577	0.39%	0.020%
108	9.462	9.450	9.522	VV	586	18286	0.33%	0.017%
109	9.541	9.522	9.565	VV	293	5435	0.10%	0.005%
110	9.600	9.565	9.622	VV	278	7197	0.13%	0.007%
111	9.632	9.622	9.642	VV	294	2775	0.05%	0.003%
112	9.651	9.642	9.661	VV	246	2111	0.04%	0.002%
113	9.667	9.661	9.676	VV	176	1227	0.02%	0.001%
114	9.700	9.676	9.729	VV	303	5919	0.11%	0.005%
115	9.733	9.729	9.742	VV	179	1099	0.02%	0.001%
116	9.775	9.742	9.907	VV	430066	4700649	84.94%	4.353%
117	9.911	9.907	9.949	VV	1235	26380	0.48%	0.024%
118	9.992	9.949	10.043	VV	5399	108577	1.96%	0.101%
119	10.066	10.043	10.098	VV	2030	43884	0.79%	0.041%
120	10.106	10.098	10.156	VV	1228	27572	0.50%	0.026%
121	10.187	10.156	10.247	VV	54378	620599	11.21%	0.575%
122	10.255	10.247	10.278	VV	486	7616	0.14%	0.007%
123	10.288	10.278	10.323	VV	349	7404	0.13%	0.007%
124	10.342	10.323	10.354	VV	321	4622	0.08%	0.004%
125	10.357	10.354	10.367	VV	306	2055	0.04%	0.002%
126	10.369	10.367	10.400	VV	278	3607	0.07%	0.003%
127	10.407	10.400	10.422	VV	302	3092	0.06%	0.003%
128	10.425	10.422	10.434	VV	241	1375	0.02%	0.001%
129	10.437	10.434	10.452	VV	187	1722	0.03%	0.002%
130	10.471	10.452	10.486	VV	307	4346	0.08%	0.004%
131	10.504	10.486	10.559	VV	296	7873	0.14%	0.007%
132	10.583	10.559	10.596	VV	272	4510	0.08%	0.004%
133	10.613	10.596	10.638	VV	288	5625	0.10%	0.005%
134	10.643	10.638	10.651	VV	168	1086	0.02%	0.001%
135	10.663	10.651	10.686	VV	227	3086	0.06%	0.003%
136	10.709	10.686	10.732	VV	356	5862	0.11%	0.005%
137	10.747	10.732	10.782	VV	210	4026	0.07%	0.004%
138	10.812	10.782	10.826	VV	274	4377	0.08%	0.004%
139	10.831	10.826	10.847	VV	145	1308	0.02%	0.001%
140	10.880	10.847	10.888	VV	244	3758	0.07%	0.003%
141	10.925	10.894	10.967	VV	321	7437	0.13%	0.007%

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142	10.995	10.967	11.019	VV	1033	18432	0.33%	0.017%
143	11.023	11.019	11.035	VV	510	4295	0.08%	0.004%
144	11.039	11.035	11.043	VV	463	2185	0.04%	0.002%
145	11.059	11.043	11.092	VV	549	9250	0.17%	0.009%
146	11.125	11.103	11.132	VV	163	2072	0.04%	0.002%
147	11.184	11.132	11.230	VV	435309	4853260	87.69%	4.494%
148	11.259	11.230	11.424	VV	422470	5072263	91.65%	4.697%
149	11.436	11.424	11.479	VV	1481	36784	0.66%	0.034%
150	11.507	11.479	11.547	VV	1455	47455	0.86%	0.044%
151	11.564	11.547	11.600	VV	1521	33201	0.60%	0.031%
152	11.634	11.600	11.700	VV	56186	671902	12.14%	0.622%
153	11.715	11.700	11.779	VV	764	21635	0.39%	0.020%
154	11.789	11.779	11.810	VV	374	5284	0.10%	0.005%
155	11.818	11.810	11.826	VV	257	2153	0.04%	0.002%
156	11.831	11.826	11.870	VV	291	5162	0.09%	0.005%
157	11.878	11.870	11.907	VV	186	2773	0.05%	0.003%
158	11.954	11.907	12.017	VV	480168	5226158	94.43%	4.839%
159	12.024	12.017	12.071	VV	715	15967	0.29%	0.015%
160	12.113	12.071	12.169	VV	696	25255	0.46%	0.023%
161	12.170	12.169	12.221	VV	300	6387	0.12%	0.006%
162	12.231	12.221	12.237	VV	267	1891	0.03%	0.002%
163	12.248	12.237	12.267	VV	261	3731	0.07%	0.003%
164	12.301	12.267	12.337	VV	493	12424	0.22%	0.012%
165	12.358	12.337	12.380	VV	1219	16404	0.30%	0.015%
166	12.396	12.380	12.424	VV	781	11000	0.20%	0.010%
167	12.436	12.424	12.451	VV	203	2350	0.04%	0.002%
168	12.457	12.451	12.470	VV	185	1524	0.03%	0.001%
169	12.473	12.470	12.496	VV	160	1273	0.02%	0.001%
170	12.512	12.496	12.519	VV	264	2323	0.04%	0.002%
171	12.527	12.519	12.550	VV	305	3708	0.07%	0.003%
172	12.571	12.550	12.599	PV	346	6651	0.12%	0.006%
173	12.608	12.604	12.615	VV	215	1138	0.02%	0.001%
174	12.629	12.615	12.644	VV	348	4358	0.08%	0.004%
175	12.658	12.644	12.674	VV	533	7165	0.13%	0.007%
176	12.679	12.674	12.702	VV	492	4967	0.09%	0.005%
177	12.727	12.702	12.750	VV	330	5868	0.11%	0.005%
178	12.773	12.750	12.780	VV	306	4157	0.08%	0.004%
179	12.808	12.780	12.842	VV	1015	15652	0.28%	0.014%
180	12.885	12.842	12.912	PV	1272	21460	0.39%	0.020%
181	12.947	12.912	12.975	VV	56196	684608	12.37%	0.634%
182	13.009	12.975	13.137	VV	417127	4995319	90.26%	4.625%
183	13.142	13.137	13.172	VV	894	15812	0.29%	0.015%
184	13.195	13.172	13.269	VV	2662	56321	1.02%	0.052%
185	13.309	13.269	13.353	VV	418503	4870560	88.01%	4.510%
186	13.394	13.353	13.527	VV	127685	1654478	29.89%	1.532%
187	13.560	13.527	13.599	VV	51276	649298	11.73%	0.601%
188	13.615	13.599	13.657	VV	1131	24152	0.44%	0.022%
189	13.662	13.657	13.708	VV	397	8591	0.16%	0.008%
190	13.712	13.708	13.738	VV	224	3764	0.07%	0.003%
191	13.744	13.738	13.749	VV	273	1716	0.03%	0.002%
192	13.774	13.749	13.807	VV	378	9616	0.17%	0.009%
193	13.825	13.807	13.886	VV	317	10407	0.19%	0.010%
194	13.892	13.886	13.921	VV	176	2988	0.05%	0.003%

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195	13.940	13.921	13.959	VV	216	4145	0.07%	0.004%
196	13.968	13.959	13.999	VV	303	6030	0.11%	0.006%
197	14.004	13.999	14.011	VV	279	1712	0.03%	0.002%
198	14.017	14.011	14.046	VV	244	3302	0.06%	0.003%
199	14.099	14.051	14.119	VV	1325	19792	0.36%	0.018%
200	14.147	14.119	14.229	VV	50592	646583	11.68%	0.599%
201	14.247	14.229	14.259	VV	196	2819	0.05%	0.003%
202	14.265	14.259	14.296	VV	269	4122	0.07%	0.004%
203	14.313	14.308	14.326	VV	145	1101	0.02%	0.001%
204	14.346	14.326	14.362	VV	173	1926	0.03%	0.002%
205	14.370	14.362	14.380	VV	162	1109	0.02%	0.001%
206	14.383	14.380	14.406	VV	110	1454	0.03%	0.001%
207	14.423	14.418	14.442	VV	118	1367	0.02%	0.001%
208	14.449	14.442	14.466	VV	147	1062	0.02%	0.001%
209	14.533	14.507	14.540	VV	126	1602	0.03%	0.001%
210	14.588	14.562	14.662	VV	1163	19427	0.35%	0.018%
211	14.664	14.662	14.696	VV	131	1495	0.03%	0.001%
212	14.713	14.696	14.736	PV	278	3610	0.07%	0.003%
213	14.743	14.736	14.760	VV	119	1080	0.02%	0.001%
214	14.787	14.760	14.817	VV	467	8596	0.16%	0.008%
215	14.838	14.827	14.847	VV	205	1970	0.04%	0.002%
216	14.868	14.847	14.914	VV	287	6400	0.12%	0.006%
217	14.922	14.914	14.947	VV	143	1598	0.03%	0.001%
218	15.004	14.979	15.027	VV	126	1760	0.03%	0.002%
219	15.060	15.036	15.082	VV	135	2580	0.05%	0.002%
220	15.086	15.082	15.137	VV	188	3273	0.06%	0.003%
221	15.195	15.137	15.214	PV	350705	4470292	80.77%	4.139%
222	15.238	15.214	15.405	VV	387705	5500482	99.39%	5.093%
223	15.422	15.405	15.457	VV	951	24406	0.44%	0.023%
224	15.472	15.457	15.508	VV	821	17633	0.32%	0.016%
225	15.513	15.508	15.524	VV	380	3019	0.05%	0.003%
226	15.544	15.524	15.557	VV	375	6225	0.11%	0.006%
227	15.562	15.557	15.576	VV	372	3417	0.06%	0.003%
228	15.580	15.576	15.594	VV	299	2524	0.05%	0.002%
229	15.625	15.594	15.656	VV	1307	22218	0.40%	0.021%
230	15.682	15.656	15.696	VV	359	5898	0.11%	0.005%
231	15.698	15.696	15.706	VV	262	1176	0.02%	0.001%
232	15.718	15.706	15.728	VV	258	2481	0.04%	0.002%
233	15.739	15.728	15.757	VV	266	3802	0.07%	0.004%
234	15.795	15.757	15.832	VV	5734	84502	1.53%	0.078%
235	15.839	15.832	15.854	VV	296	2600	0.05%	0.002%
236	15.863	15.854	15.868	VV	175	1176	0.02%	0.001%
237	15.871	15.868	15.889	VV	177	1223	0.02%	0.001%
238	15.905	15.889	15.934	VV	318	4772	0.09%	0.004%
239	15.961	15.949	15.966	VV	175	1247	0.02%	0.001%
240	15.969	15.966	15.988	VV	132	1206	0.02%	0.001%
241	15.994	15.988	16.022	VV	147	1615	0.03%	0.001%
242	16.057	16.022	16.066	PV	137	2304	0.04%	0.002%
243	16.091	16.082	16.119	VV	167	2745	0.05%	0.003%
244	16.131	16.119	16.136	VV	157	1174	0.02%	0.001%
245	16.145	16.136	16.166	VV	211	2829	0.05%	0.003%
246	16.179	16.166	16.194	VV	152	1716	0.03%	0.002%

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247	16.241	16.217	16.250	VV	707	8641	0.16%	0.008%	
248	16.282	16.250	16.332	VV	44789	601662	10.87%	0.557%	
249	16.340	16.332	16.349	VV	254	2318	0.04%	0.002%	
250	16.354	16.349	16.366	VV	198	1587	0.03%	0.001%	
251	16.421	16.396	16.447	VV	160	3464	0.06%	0.003%	
252	16.474	16.447	16.539	VV	558	10457	0.19%	0.010%	
253	16.599	16.567	16.618	VV	184	3693	0.07%	0.003%	
254	16.647	16.634	16.684	VV	101	1659	0.03%	0.002%	
255	16.759	16.684	16.774	PV	321920	4479596	80.94%	4.148%	
256	16.792	16.774	16.885	VV	374531	4694562	84.83%	4.347%	
257	16.903	16.885	16.997	VV	1616	63447	1.15%	0.059%	
258	17.019	16.997	17.048	VV	664	15136	0.27%	0.014%	
259	17.068	17.048	17.089	VV	419	9264	0.17%	0.009%	
260	17.140	17.089	17.202	VV	335005	4417723	79.82%	4.091%	
261	17.234	17.202	17.412	VV	44363	701019	12.67%	0.649%	
262	17.421	17.412	17.434	VV	249	3067	0.06%	0.003%	
263	17.442	17.434	17.477	VV	186	4453	0.08%	0.004%	
264	17.526	17.477	17.534	VV	223	5686	0.10%	0.005%	
265	17.568	17.534	17.626	VV	325	10390	0.19%	0.010%	
266	17.685	17.626	17.749	VV	1830	33272	0.60%	0.031%	
267	17.794	17.749	17.834	PV	245	6661	0.12%	0.006%	
268	17.849	17.834	17.884	VV	152	2994	0.05%	0.003%	
269	17.894	17.884	17.907	VV	117	1167	0.02%	0.001%	
270	17.914	17.907	17.933	VV	116	1409	0.03%	0.001%	
271	17.989	17.933	17.999	VV	304	6089	0.11%	0.006%	
272	18.015	17.999	18.056	VV	318	6281	0.11%	0.006%	
273	18.125	18.056	18.176	VV	39887	567171	10.25%	0.525%	
274	18.215	18.176	18.251	VV	535	11036	0.20%	0.010%	
275	18.268	18.251	18.286	VV	205	2508	0.05%	0.002%	
276	18.320	18.286	18.352	VV	352	7846	0.14%	0.007%	
277	18.355	18.352	18.376	VV	234	1690	0.03%	0.002%	
278	18.413	18.376	18.432	PV	221	4451	0.08%	0.004%	
279	18.451	18.432	18.469	VV	226	2114	0.04%	0.002%	
280	18.520	18.469	18.536	PV	324376	4581605	82.79%	4.242%	
281	18.557	18.536	18.727	VV	350725	4870276	88.00%	4.510%	
282	18.777	18.727	18.851	PBA	326242	4738697	85.62%	4.388%	
					Sum of corrected areas:		107998472		

Aromatic EPH 102925.M Tue Nov 18 01:17:46 2025

Report of Analysis

Client:	Remington & Vernick Engineers		Date Collected:	
Project:	Edison Landfill		Date Received:	
Client Sample ID:	SED-3MSD		SDG No.:	Q3586
Lab Sample ID:	Q3586-03MSD		Matrix:	Solid
Analytical Method:	NJEPH		% Solid:	50.9
Sample Wt/Vol:	30.01 g	Final Vol: 2000 uL	Test:	EPH
Prep Method :		Prep Date 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C12	Aliphatic C9-C12	9.47	1		0.28	1.96	mg/kg	11/20/25	PB170577
Aliphatic C12-C16	Aliphatic C12-C16	8.48	1		0.22	1.31	mg/kg	11/20/25	PB170577
Aliphatic C16-C21	Aliphatic C16-C21	13.7	1		0.26	1.96	mg/kg	11/20/25	PB170577
Aliphatic C21-C28	Aliphatic C21-C28	16.9	1		1.04	2.62	mg/kg	11/20/25	PB170577
Aliphatic C28-C40	Aliphatic C28-C40	26.7	1		2.32	3.93	mg/kg	11/20/25	PB170577
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	55.1			40 - 140	110%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	0.00			40 - 140	0%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3586-03MSD	Acq On:	20 Nov 2025 15:41
Client Sample ID:	Q3586-03MSD	Operator:	YP\AJ
Data file:	FG016961.D	Misc:	
Instrument:	FID_G	ALS Vial:	25
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.258	6.899	8824862	72.333	300	ug/ml
Aliphatic C12-C16	6.900	10.356	7960461	64.798	200	ug/ml
Aliphatic C16-C21	10.357	13.743	13856071	104.656	300	ug/ml
Aliphatic C21-C28	13.744	17.429	17985721	129.361	400	ug/ml
Aliphatic C28-C40	17.430	22.445	23171272	203.624	600	ug/ml
Aliphatic EPH	3.258	22.445	71798387	574.772		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.494	13.494	6637711	55.12		ug/ml
Aliphatic C9-C28	3.258	17.429	48627115	371.148	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG112025AL\
 Data File : FG016961.D
 Signal(s) : FID1A.ch
 Acq On : 20 Nov 2025 15:41
 Operator : YP\AJ
 Sample : Q3586-03MSD
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 SED-3MSD

Integration File: autoint1.e
 Quant Time: Nov 20 23:50:51 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 29 16:21:47 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.494	6637711	55.115 ug/ml
Spiked Amount 50.000		Recovery =	110.23%
Target Compounds			
1) T n-Nonane (C9)	3.367	2317525	18.601 ug/ml
2) T n-Decane (C10)	4.628	2815753	21.994 ug/ml
4) T n-Dodecane (C12)	6.811	3175440	24.354 ug/ml
6) T n-Tetradecane (C14)	8.651	3419902	26.769 ug/ml
7) T n-Hexadecane (C16)	10.270	3920067	29.667 ug/ml
8) T n-Octadecane (C18)	11.724	4293641	30.811 ug/ml
10) T n-Eicosane (C20)	13.044	4505609	32.234 ug/ml
11) T n-Heneicosane (C21)	13.659	4492454	32.312 ug/ml
13) T n-Docosane (C22)	14.250	4496014	31.779 ug/ml
14) T n-Tetracosane (C24)	15.360	4450096	30.267 ug/ml
15) T n-Hexacosane (C26)	16.390	4302187	29.325 ug/ml
16) T n-Octacosane (C28)	17.345	4138392	28.112 ug/ml
17) T n-Tricontane (C30)	18.238	3894854	25.740 ug/ml
18) T n-Dotriacontane (C32)	19.074	3705651	25.139 ug/ml
19) T n-Tetratriacontane (C34)	19.863	3511347	27.248 ug/ml
20) T n-Hexatriacontane (C36)	20.608	3272687	31.619 ug/ml
21) T n-Octatriacontane (C38)	21.382	3165118	35.902 ug/ml
22) T n-Tetracontane (C40)	22.363	3026544	38.653 ug/ml

(f)=RT Delta > 1/2 Window

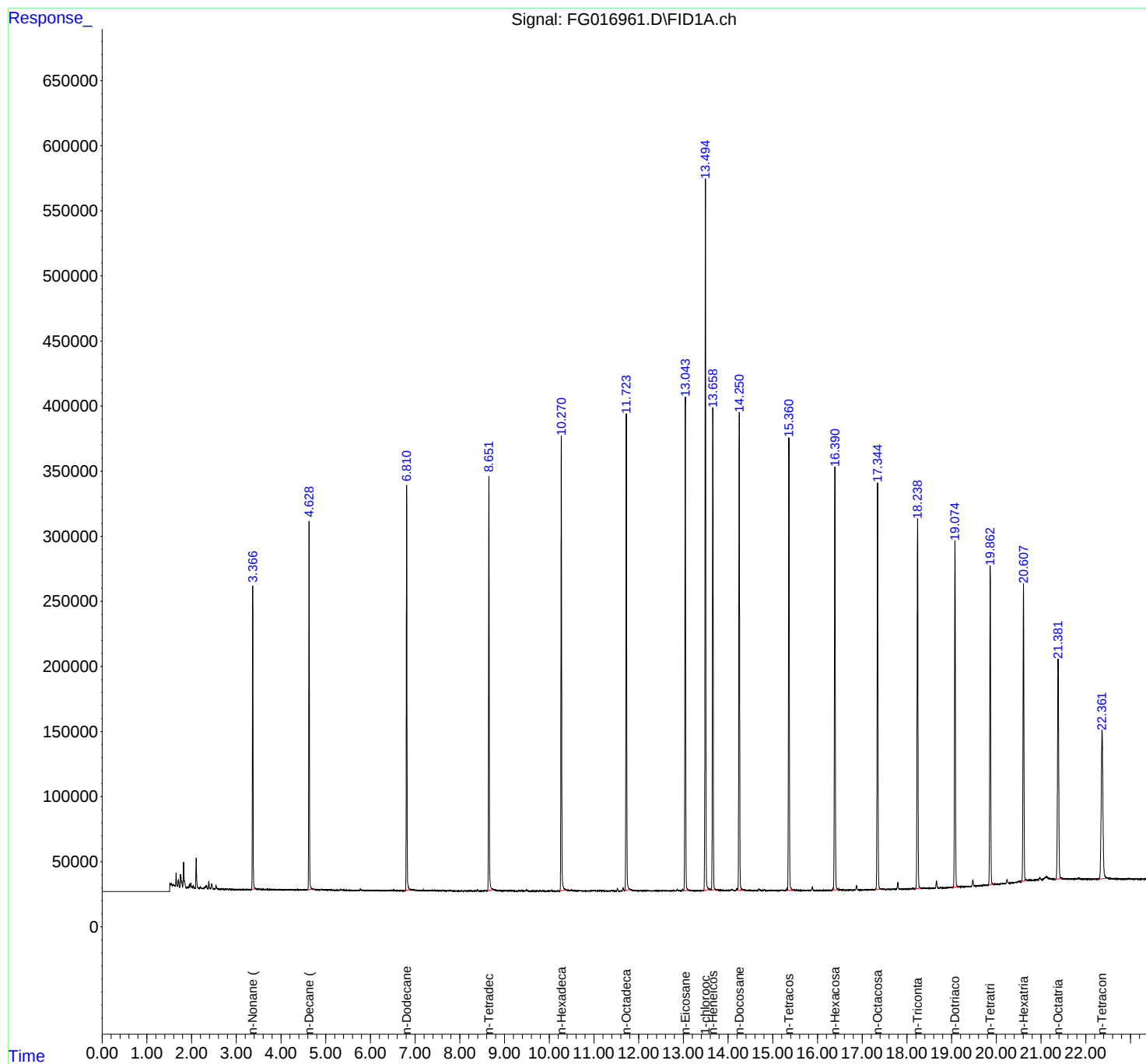
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG112025AL\
Data File : FG016961.D
Signal(s) : FID1A.ch
Acq On : 20 Nov 2025 15:41
Operator : YP\AJ
Sample : Q3586-03MSD
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
SED-3MSD

Integration File: autoint1.e
Quant Time: Nov 20 23:50:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 16:21:47 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG112025AL\
 Data File : FG016961.D
 Signal(s) : FID1A.ch
 Acq On : 20 Nov 2025 15:41
 Sample : Q3586-03MSD
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.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	3.291	3.221	3.322	BV	82	984	0.01%	0.001%
2	3.367	3.322	3.500	PV	231019	2362424	35.17%	3.009%
3	3.512	3.500	3.565	VV	458	12771	0.19%	0.016%
4	3.584	3.565	3.601	VV	350	6109	0.09%	0.008%
5	3.611	3.601	3.645	VV	368	7331	0.11%	0.009%
6	3.685	3.645	3.728	VV	362	13489	0.20%	0.017%
7	3.742	3.728	3.805	VV	288	9936	0.15%	0.013%
8	3.818	3.805	3.866	VV	213	6366	0.09%	0.008%
9	3.881	3.866	3.938	VV	187	5755	0.09%	0.007%
10	3.963	3.938	4.043	VV	202	8339	0.12%	0.011%
11	4.058	4.043	4.078	VV	161	2321	0.03%	0.003%
12	4.090	4.078	4.135	VV	130	3101	0.05%	0.004%
13	4.164	4.135	4.184	VV	281	4662	0.07%	0.006%
14	4.201	4.184	4.225	VV	457	6200	0.09%	0.008%
15	4.237	4.225	4.255	VV	151	2184	0.03%	0.003%
16	4.277	4.255	4.309	VV	364	5753	0.09%	0.007%
17	4.319	4.309	4.341	VV	123	2134	0.03%	0.003%
18	4.371	4.341	4.495	VV	378	15452	0.23%	0.020%
19	4.499	4.495	4.508	VV	132	920	0.01%	0.001%
20	4.538	4.508	4.561	VV	444	6826	0.10%	0.009%
21	4.567	4.561	4.591	VV	185	2406	0.04%	0.003%
22	4.628	4.591	4.728	VV	282233	2859332	42.57%	3.642%
23	4.746	4.728	4.795	VV	722	20797	0.31%	0.026%
24	4.817	4.795	4.863	VV	601	17447	0.26%	0.022%
25	4.879	4.863	4.898	VV	473	7782	0.12%	0.010%
26	4.915	4.898	4.955	VV	674	13001	0.19%	0.017%
27	4.968	4.955	5.011	VV	286	8794	0.13%	0.011%
28	5.054	5.011	5.072	VV	322	9543	0.14%	0.012%
29	5.082	5.072	5.088	VV	240	2174	0.03%	0.003%
30	5.095	5.088	5.103	VV	280	2092	0.03%	0.003%
31	5.111	5.103	5.123	VV	243	2591	0.04%	0.003%

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32	5.134	5.123	5.172	VV	226	5016	0.07%	0.006%
33	5.192	5.172	5.202	VV	159	2668	0.04%	0.003%
34	5.214	5.202	5.229	VV	176	2551	0.04%	0.003%
35	5.248	5.229	5.288	VV	194	4552	0.07%	0.006%
36	5.335	5.288	5.366	VV	1059	17770	0.26%	0.023%
37	5.394	5.366	5.435	VV	369	8686	0.13%	0.011%
38	5.453	5.435	5.495	VV	292	5555	0.08%	0.007%
39	5.509	5.495	5.517	VV	99	1114	0.02%	0.001%
40	5.525	5.517	5.552	VV	115	1909	0.03%	0.002%
41	5.560	5.552	5.581	VV	127	1604	0.02%	0.002%
42	5.587	5.581	5.601	VV	112	1043	0.02%	0.001%
43	5.607	5.601	5.615	VV	92	667	0.01%	0.001%
44	5.623	5.615	5.639	VV	110	1019	0.02%	0.001%
45	5.655	5.639	5.701	VV	138	3476	0.05%	0.004%
46	5.714	5.701	5.724	VV	117	1371	0.02%	0.002%
47	5.737	5.724	5.749	VV	115	1693	0.03%	0.002%
48	5.776	5.749	5.801	VV	894	13130	0.20%	0.017%
49	5.816	5.801	5.858	VV	446	7892	0.12%	0.010%
50	5.862	5.858	5.867	VV	144	690	0.01%	0.001%
51	5.877	5.867	5.909	VV	187	3659	0.05%	0.005%
52	5.967	5.909	6.003	VV	238	7943	0.12%	0.010%
53	6.041	6.003	6.053	VV	177	3135	0.05%	0.004%
54	6.089	6.053	6.109	VV	190	4283	0.06%	0.005%
55	6.147	6.109	6.195	VV	274	5960	0.09%	0.008%
56	6.208	6.195	6.238	VV	148	1824	0.03%	0.002%
57	6.254	6.238	6.287	PV	225	2742	0.04%	0.003%
58	6.305	6.287	6.331	VV	194	2966	0.04%	0.004%
59	6.368	6.331	6.390	VV	386	6952	0.10%	0.009%
60	6.409	6.390	6.432	VV	432	5763	0.09%	0.007%
61	6.454	6.432	6.488	VV	707	10190	0.15%	0.013%
62	6.518	6.488	6.558	VV	799	11484	0.17%	0.015%
63	6.566	6.558	6.573	VV	134	996	0.01%	0.001%
64	6.591	6.573	6.618	VV	172	3642	0.05%	0.005%
65	6.625	6.618	6.677	VV	124	2214	0.03%	0.003%
66	6.699	6.677	6.726	VV	140	2308	0.03%	0.003%
67	6.735	6.726	6.762	VV	72	827	0.01%	0.001%
68	6.811	6.762	6.928	PV	310694	3236552	48.19%	4.122%
69	6.934	6.928	6.948	VV	779	8729	0.13%	0.011%
70	6.964	6.948	6.990	VV	1100	19169	0.29%	0.024%
71	7.004	6.990	7.025	VV	577	10626	0.16%	0.014%
72	7.039	7.025	7.082	VV	630	14642	0.22%	0.019%
73	7.095	7.082	7.128	VV	403	8823	0.13%	0.011%
74	7.153	7.128	7.175	VV	350	8090	0.12%	0.010%
75	7.178	7.175	7.213	VV	333	6091	0.09%	0.008%
76	7.224	7.213	7.245	VV	294	4437	0.07%	0.006%
77	7.268	7.245	7.300	VV	292	8165	0.12%	0.010%
78	7.327	7.300	7.365	VV	480	13773	0.21%	0.018%
79	7.388	7.365	7.413	VV	475	9941	0.15%	0.013%

80	7.448	7.413	7.475	VV	541	13887	0.21%	0.018%
81	7.492	7.475	7.543	VV	418	9445	0.14%	0.012%
82	7.558	7.543	7.584	VV	230	4046	0.06%	0.005%
83	7.618	7.584	7.657	VV	812	13572	0.20%	0.017%
84	7.682	7.657	7.711	VV	212	4833	0.07%	0.006%
85	7.728	7.711	7.740	VV	176	2669	0.04%	0.003%
86	7.765	7.740	7.815	VV	674	13486	0.20%	0.017%
87	7.823	7.815	7.841	VV	194	2375	0.04%	0.003%
88	7.856	7.841	7.915	VV	187	4056	0.06%	0.005%
89	7.927	7.915	7.945	VV	114	1198	0.02%	0.002%
90	7.981	7.945	7.998	PV	127	2010	0.03%	0.003%
91	8.029	7.998	8.067	VV	375	6733	0.10%	0.009%
92	8.098	8.067	8.111	VV	177	3554	0.05%	0.005%
93	8.128	8.111	8.163	VV	279	4734	0.07%	0.006%
94	8.202	8.163	8.235	VV	216	5347	0.08%	0.007%
95	8.255	8.235	8.285	VV	184	3540	0.05%	0.005%
96	8.296	8.285	8.315	VV	162	2224	0.03%	0.003%
97	8.344	8.315	8.371	VV	493	7167	0.11%	0.009%
98	8.399	8.371	8.495	VV	1340	19043	0.28%	0.024%
99	8.558	8.495	8.615	VV	703	14143	0.21%	0.018%
100	8.651	8.615	8.831	VV	320002	3521025	52.42%	4.485%
101	8.848	8.831	8.870	VV	526	11105	0.17%	0.014%
102	8.885	8.870	8.981	VV	470	18471	0.27%	0.024%
103	9.001	8.981	9.079	VV	300	14202	0.21%	0.018%
104	9.118	9.079	9.138	VV	348	9161	0.14%	0.012%
105	9.150	9.138	9.180	VV	377	7391	0.11%	0.009%
106	9.200	9.180	9.236	VV	360	8228	0.12%	0.010%
107	9.255	9.236	9.268	VV	159	2397	0.04%	0.003%
108	9.271	9.268	9.296	VV	149	1774	0.03%	0.002%
109	9.334	9.296	9.363	VV	277	7463	0.11%	0.010%
110	9.386	9.363	9.405	VV	452	7132	0.11%	0.009%
111	9.418	9.405	9.431	VV	285	3506	0.05%	0.004%
112	9.449	9.431	9.465	VV	230	3995	0.06%	0.005%
113	9.497	9.465	9.557	VV	978	20447	0.30%	0.026%
114	9.572	9.557	9.598	VV	177	2246	0.03%	0.003%
115	9.623	9.598	9.638	VV	156	2103	0.03%	0.003%
116	9.646	9.638	9.689	VV	159	3734	0.06%	0.005%
117	9.743	9.689	9.758	VV	266	6021	0.09%	0.008%
118	9.786	9.758	9.830	VV	351	5875	0.09%	0.007%
119	9.855	9.830	9.889	PV	398	5763	0.09%	0.007%
120	9.906	9.889	9.944	VV	186	3148	0.05%	0.004%
121	9.957	9.944	9.973	VV	79	1101	0.02%	0.001%
122	10.001	9.973	10.025	VV	333	5467	0.08%	0.007%
123	10.048	10.025	10.081	VV	926	11409	0.17%	0.015%
124	10.115	10.081	10.154	VV	149	3255	0.05%	0.004%
125	10.191	10.154	10.232	PV	610	10089	0.15%	0.013%
126	10.270	10.232	10.471	VV	344858	4013405	59.75%	5.112%

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127	10.498	10.471	10.578	VV	1068	31289	0.47%	0.040%
128	10.592	10.578	10.637	VV	307	9162	0.14%	0.012%
129	10.661	10.637	10.687	VV	373	8347	0.12%	0.011%
130	10.701	10.687	10.727	VV	268	5264	0.08%	0.007%
131	10.753	10.727	10.791	VV	286	6472	0.10%	0.008%
132	10.822	10.791	10.856	VV	187	5218	0.08%	0.007%
133	10.880	10.856	10.891	VV	148	2746	0.04%	0.003%
134	10.916	10.891	10.927	VV	205	3447	0.05%	0.004%
135	10.958	10.927	10.973	VV	282	6131	0.09%	0.008%
136	10.988	10.973	10.998	VV	295	3782	0.06%	0.005%
137	11.018	10.998	11.058	VV	512	9350	0.14%	0.012%
138	11.073	11.058	11.085	VV	194	2685	0.04%	0.003%
139	11.139	11.085	11.185	VV	512	14797	0.22%	0.019%
140	11.205	11.185	11.221	VV	245	4192	0.06%	0.005%
141	11.230	11.221	11.257	VV	220	2666	0.04%	0.003%
142	11.273	11.257	11.287	VV	119	1587	0.02%	0.002%
143	11.298	11.287	11.314	VV	102	1143	0.02%	0.001%
144	11.341	11.314	11.366	VV	288	4859	0.07%	0.006%
145	11.391	11.366	11.419	VV	522	8384	0.12%	0.011%
146	11.439	11.419	11.497	VV	225	5062	0.08%	0.006%
147	11.525	11.497	11.565	PV	2168	26347	0.39%	0.034%
148	11.581	11.565	11.624	VV	82	995	0.01%	0.001%
149	11.654	11.624	11.683	PV	2147	29844	0.44%	0.038%
150	11.723	11.683	11.921	VV	365219	4392309	65.39%	5.594%
151	11.935	11.921	11.987	VV	345	9974	0.15%	0.013%
152	12.003	11.987	12.093	VV	251	13542	0.20%	0.017%
153	12.127	12.093	12.158	VV	293	7962	0.12%	0.010%
154	12.190	12.158	12.272	VV	387	12521	0.19%	0.016%
155	12.293	12.272	12.310	VV	133	2357	0.04%	0.003%
156	12.325	12.310	12.335	VV	177	1858	0.03%	0.002%
157	12.398	12.335	12.428	VV	319	10195	0.15%	0.013%
158	12.435	12.428	12.459	VV	167	2278	0.03%	0.003%
159	12.469	12.459	12.478	VV	117	1078	0.02%	0.001%
160	12.533	12.478	12.580	VV	185	6677	0.10%	0.009%
161	12.617	12.580	12.655	VV	215	5274	0.08%	0.007%
162	12.685	12.655	12.712	VV	170	3569	0.05%	0.005%
163	12.730	12.712	12.750	VV	189	2484	0.04%	0.003%
164	12.776	12.750	12.807	VV	342	6189	0.09%	0.008%
165	12.864	12.807	12.888	VV	1053	19452	0.29%	0.025%
166	12.901	12.888	12.953	VV	312	4983	0.07%	0.006%
167	12.982	12.953	13.005	PV	1625	20483	0.30%	0.026%
168	13.043	13.005	13.140	VV	378642	4534289	67.51%	5.775%
169	13.161	13.140	13.287	VV	580	20523	0.31%	0.026%
170	13.298	13.287	13.315	VV	160	1905	0.03%	0.002%
171	13.333	13.315	13.349	VV	123	2396	0.04%	0.003%
172	13.370	13.349	13.398	VV	149	2862	0.04%	0.004%
173	13.494	13.398	13.625	VV	548085	6716836	100.00%	8.555%
174	13.659	13.625	13.813	VV	373073	4577142	68.14%	5.830%

175	13.840	13.813	13.911	VV	rteres 620	25015	0.37%	0.032%
176	13.924	13.911	13.988	VV	370	13574	0.20%	0.017%
177	14.007	13.988	14.016	VV	308	4814	0.07%	0.006%
178	14.040	14.016	14.056	VV	642	10948	0.16%	0.014%
179	14.089	14.056	14.133	VV	1120	28585	0.43%	0.036%
180	14.150	14.133	14.170	VV	312	5975	0.09%	0.008%
181	14.196	14.170	14.214	VV	1737	24517	0.37%	0.031%
182	14.250	14.214	14.356	VV	372430	4537824	67.56%	5.780%
183	14.377	14.356	14.418	VV	681	16673	0.25%	0.021%
184	14.451	14.418	14.468	VV	403	10862	0.16%	0.014%
185	14.480	14.468	14.532	VV	354	9673	0.14%	0.012%
186	14.540	14.532	14.566	VV	177	3631	0.05%	0.005%
187	14.586	14.566	14.605	VV	204	4135	0.06%	0.005%
188	14.615	14.605	14.653	VV	200	4878	0.07%	0.006%
189	14.694	14.653	14.755	VV	1250	29253	0.44%	0.037%
190	14.761	14.755	14.795	VV	203	3967	0.06%	0.005%
191	14.817	14.795	14.871	VV	949	16528	0.25%	0.021%
192	14.879	14.871	14.894	VV	100	1593	0.02%	0.002%
193	14.914	14.894	14.937	VV	194	4013	0.06%	0.005%
194	14.981	14.937	15.056	VV	410	13703	0.20%	0.017%
195	15.070	15.056	15.081	VV	145	1504	0.02%	0.002%
196	15.096	15.081	15.114	VV	148	2211	0.03%	0.003%
197	15.133	15.114	15.154	VV	129	2364	0.04%	0.003%
198	15.166	15.154	15.177	VV	166	1499	0.02%	0.002%
199	15.204	15.177	15.242	VV	490	10651	0.16%	0.014%
200	15.252	15.242	15.268	VV	153	1602	0.02%	0.002%
201	15.315	15.268	15.324	VV	1175	14965	0.22%	0.019%
202	15.361	15.324	15.485	VV	345913	4484518	66.77%	5.712%
203	15.493	15.485	15.511	VV	326	4477	0.07%	0.006%
204	15.528	15.511	15.685	VV	319	15219	0.23%	0.019%
205	15.697	15.685	15.718	VV	103	1271	0.02%	0.002%
206	15.742	15.718	15.761	VV	154	2471	0.04%	0.003%
207	15.779	15.761	15.827	VV	267	4617	0.07%	0.006%
208	15.884	15.827	15.963	VV	2588	37905	0.56%	0.048%
209	15.991	15.963	16.130	PV	79	2109	0.03%	0.003%
210	16.208	16.130	16.229	PV	170	4982	0.07%	0.006%
211	16.254	16.229	16.294	VV	231	4626	0.07%	0.006%
212	16.389	16.294	16.548	VV	319298	4353697	64.82%	5.545%
213	16.560	16.548	16.655	VV	195	8221	0.12%	0.010%
214	16.700	16.655	16.724	VV	199	4339	0.06%	0.006%
215	16.746	16.724	16.768	VV	164	2557	0.04%	0.003%
216	16.785	16.768	16.798	PV	92	758	0.01%	0.001%
217	16.809	16.798	16.814	VV	40	251	0.00%	0.000%
218	16.874	16.814	16.944	VV	3543	53822	0.80%	0.069%
219	16.979	16.944	16.994	PV	100	1447	0.02%	0.002%
220	17.004	16.994	17.023	VV	82	966	0.01%	0.001%
221	17.049	17.023	17.068	VV	198	3539	0.05%	0.005%

					rteres			
222	17.078	17.068	17.129	VV	133	2843	0.04%	0.004%
223	17.176	17.129	17.194	VV	147	3026	0.05%	0.004%
224	17.223	17.194	17.279	VV	280	6549	0.10%	0.008%
225	17.344	17.279	17.538	VV	309678	4176554	62.18%	5.319%
226	17.581	17.538	17.605	VV	223	6637	0.10%	0.008%
227	17.613	17.605	17.655	VV	179	4542	0.07%	0.006%
228	17.682	17.655	17.701	VV	168	2855	0.04%	0.004%
229	17.797	17.701	17.861	VV	5290	84621	1.26%	0.108%
230	17.902	17.861	17.951	VV	219	6949	0.10%	0.009%
231	17.966	17.951	17.972	VV	68	638	0.01%	0.001%
232	18.010	17.972	18.040	VV	105	2452	0.04%	0.003%
233	18.079	18.040	18.097	PV	170	3129	0.05%	0.004%
234	18.126	18.097	18.164	VV	875	13298	0.20%	0.017%
235	18.238	18.164	18.354	PV	284477	3927224	58.47%	5.002%
236	18.387	18.354	18.478	VV	623	20321	0.30%	0.026%
237	18.513	18.478	18.535	VV	358	6163	0.09%	0.008%
238	18.559	18.535	18.575	VV	182	2113	0.03%	0.003%
239	18.591	18.575	18.608	VV	111	1507	0.02%	0.002%
240	18.661	18.608	18.732	VV	5624	85036	1.27%	0.108%
241	18.756	18.732	18.785	VV	583	8505	0.13%	0.011%
242	18.795	18.785	18.805	VV	76	350	0.01%	0.000%
243	18.922	18.805	18.961	PV	288	5445	0.08%	0.007%
244	18.972	18.961	18.994	VV	161	1807	0.03%	0.002%
245	19.074	18.994	19.158	PV	265559	3729295	55.52%	4.750%
246	19.178	19.158	19.208	VV	431	9204	0.14%	0.012%
247	19.228	19.208	19.267	VV	336	7720	0.11%	0.010%
248	19.331	19.267	19.350	VV	339	8100	0.12%	0.010%
249	19.374	19.350	19.419	VV	213	4712	0.07%	0.006%
250	19.474	19.419	19.545	PV	4978	81387	1.21%	0.104%
251	19.601	19.545	19.613	VV	246	7083	0.11%	0.009%
252	19.651	19.613	19.664	VV	332	7486	0.11%	0.010%
253	19.721	19.664	19.745	VV	504	14511	0.22%	0.018%
254	19.766	19.745	19.787	VV	400	7598	0.11%	0.010%
255	19.863	19.787	19.956	VV	242415	3565870	53.09%	4.542%
256	19.966	19.956	19.975	VV	692	7711	0.11%	0.010%
257	20.018	19.975	20.043	VV	652	25687	0.38%	0.033%
258	20.061	20.043	20.070	VV	628	9684	0.14%	0.012%
259	20.106	20.070	20.125	VV	860	23714	0.35%	0.030%
260	20.152	20.125	20.185	VV	980	30858	0.46%	0.039%
261	20.239	20.185	20.275	VV	3839	85433	1.27%	0.109%
262	20.292	20.275	20.319	VV	931	22830	0.34%	0.029%
263	20.434	20.319	20.448	VV	1170	80437	1.20%	0.102%
264	20.511	20.448	20.542	VV	1808	83132	1.24%	0.106%
265	20.608	20.542	20.720	VV	227249	3489279	51.95%	4.444%
266	20.758	20.720	20.771	VV	2195	66723	0.99%	0.085%
267	20.785	20.771	20.808	VV	2160	46997	0.70%	0.060%
268	20.885	20.808	20.918	VV	2277	142900	2.13%	0.182%
269	20.974	20.918	21.015	VV	3945	150651	2.24%	0.192%

					rteres			
270	21.118	21.015	21.200	VV	3951	332759	4.95%	0.424%
271	21.219	21.200	21.268	VV	2297	85905	1.28%	0.109%
272	21.283	21.268	21.316	VV	1960	54295	0.81%	0.069%
273	21.382	21.316	21.521	VV	168943	3396419	50.57%	4.326%
274	21.536	21.521	21.618	VV	1667	88875	1.32%	0.113%
275	21.631	21.618	21.703	VV	1337	64376	0.96%	0.082%
276	21.744	21.703	21.765	VV	1237	42674	0.64%	0.054%
277	21.774	21.765	21.796	VV	1067	19059	0.28%	0.024%
278	21.840	21.796	21.891	VV	1708	69187	1.03%	0.088%
279	21.897	21.891	21.911	VV	837	9539	0.14%	0.012%
280	21.918	21.911	21.928	VV	748	7348	0.11%	0.009%
281	21.954	21.928	22.034	VV	728	38368	0.57%	0.049%
282	22.062	22.034	22.085	VV	471	12631	0.19%	0.016%
283	22.091	22.085	22.121	VV	390	6529	0.10%	0.008%
284	22.169	22.121	22.205	VV	257	9009	0.13%	0.011%
285	22.248	22.205	22.265	VV	97	2710	0.04%	0.003%
286	22.364	22.265	22.501	PBA	113168	3038995	45.24%	3.871%
					Sum of corrected areas:	78515222		

Aliphatic EPH 102925.M Fri Nov 21 00:25:51 2025



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

Manual Integration Report

Sequence:

FF102925AR

Instrument

FID_f

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason



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

Manual Integration Report

Sequence:	FF111725AR	Instrument	FID_f
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM AROMATIC HC	FF016716.D	Indeno[1,2,3-cd]pyrene (C35.01)	rahul	11/18/2025 11:02:04 AM	mohammad	11/19/2025 12:23:12	Peak Integrated by Software



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

Manual Integration Report

Sequence:

FG102925AL

Instrument

FID_g

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason



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

Manual Integration Report

Sequence:

FG111725AL

Instrument

FID_g

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason



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

Manual Integration Report

Sequence:

FG112025AL

Instrument

FID_g

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QC Batch ID # FF102925AR

Review By	yogesh	Review On	10/29/2025 1:14:34 PM
Supervise By	Sohil	Supervise On	10/30/2025 4:01:10 PM
SubDirectory	FF102925AR	HP Acquire Method	HP Processing Method FF102925AR
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24954,PP24956,PP24957,PP24958,PP24959		
CCC Internal Standard/PEM	PP24961		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24955,PP24960		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FF016609.D	29 Oct 2025 13:36	YP\AJ	Ok
2	I.BLK	FF016610.D	29 Oct 2025 14:05	YP\AJ	Ok
3	100 PPM AROMATIC HC STD1	FF016611.D	29 Oct 2025 14:35	YP\AJ	Not Ok
4	50 PPM AROMATIC HC STD2	FF016612.D	29 Oct 2025 15:04	YP\AJ	Ok
5	20 PPM AROMATIC HC STD3	FF016613.D	29 Oct 2025 15:34	YP\AJ	Ok
6	10 PPM AROMATIC HC STD4	FF016614.D	29 Oct 2025 16:03	YP\AJ	Ok
7	100 PPM AROMATIC HC STD1	FF016615.D	29 Oct 2025 17:02	YP\AJ	Ok
8	5 PPM AROMATIC HC STD5	FF016616.D	29 Oct 2025 18:07	YP\AJ	Ok
9	20 PPM AROMATIC HC STD ICV	FF016617.D	29 Oct 2025 19:06	YP\AJ	Ok
10	I.BLK	FF016618.D	29 Oct 2025 20:05	YP\AJ	Ok
11	20 PPM AROMATIC HC STD	FF016619.D	29 Oct 2025 20:34	YP\AJ	Ok

M : Manual Integration

Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QC Batch ID # FF111725AR

Review By	rahul	Review On	11/17/2025 3:33:41 PM
Supervise By	mohammad	Supervise On	11/19/2025 12:23:12 AM
SubDirectory	FF111725AR	HP Acquire Method	HP Processing Method FF102925AR
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24954,PP24956,PP24957,PP24958,PP24959		
CCC Internal Standard/PEM	PP24961		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24955,PP24960		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FF016714.D	17 Nov 2025 10:24	YP\AJ	Ok
2	I.BLK	FF016715.D	17 Nov 2025 13:50	YP\AJ	Ok
3	20 PPM AROMATIC HC STD	FF016716.D	17 Nov 2025 14:20	YP\AJ	Ok,M
4	PB170577BS	FF016717.D	17 Nov 2025 15:00	YP\AJ	Ok
5	PB170577BSD	FF016718.D	17 Nov 2025 15:30	YP\AJ	Ok
6	PB170577BL	FF016719.D	17 Nov 2025 16:34	YP\AJ	Ok
7	PB170496BS	FF016720.D	17 Nov 2025 17:03	YP\AJ	Not Ok
8	PB170496BSD	FF016721.D	17 Nov 2025 17:32	YP\AJ	Not Ok
9	Q3586-01	FF016722.D	17 Nov 2025 18:02	YP\AJ	Ok
10	Q3586-02	FF016723.D	17 Nov 2025 18:31	YP\AJ	Ok
11	Q3586-03	FF016724.D	17 Nov 2025 19:01	YP\AJ	Ok
12	Q3586-03D	FF016725.D	17 Nov 2025 19:30	YP\AJ	Ok
13	Q3586-03MS	FF016726.D	17 Nov 2025 19:59	YP\AJ	Ok
14	Q3586-03MSD	FF016727.D	17 Nov 2025 20:29	YP\AJ	Ok
15	Q3618-01	FF016728.D	17 Nov 2025 20:58	YP\AJ	Ok
16	Q3618-02	FF016729.D	17 Nov 2025 21:28	YP\AJ	Ok
17	I.BLK	FF016730.D	17 Nov 2025 22:27	YP\AJ	Ok
18	20 PPM AROMATIC HC STD	FF016731.D	17 Nov 2025 22:56	YP\AJ	Ok

M : Manual Integration

Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QC Batch ID # FG102925AL

Review By	yogesh	Review On	10/29/2025 1:10:18 PM
Supervise By	Sohil	Supervise On	10/30/2025 4:00:31 PM
SubDirectory	FG102925AL	HP Acquire Method	HP Processing Method FG102925AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773		
CCC Internal Standard/PEM	PP24771		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24769,PP24774		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FG016845.D	29 Oct 2025 13:06	YP\AJ	Ok
2	I.BLK	FG016846.D	29 Oct 2025 13:36	YP\AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FG016847.D	29 Oct 2025 14:05	YP\AJ	Not Ok
4	50 PPM ALIPHATIC HC STD2	FG016848.D	29 Oct 2025 14:35	YP\AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FG016849.D	29 Oct 2025 15:04	YP\AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FG016850.D	29 Oct 2025 15:34	YP\AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FG016851.D	29 Oct 2025 16:03	YP\AJ	Ok
8	100 PPM ALIPHATIC HC STD1	FG016852.D	29 Oct 2025 16:33	YP\AJ	Ok
9	20 PPM ALIPHATIC HC STD ICV	FG016853.D	29 Oct 2025 17:32	YP\AJ	Ok
10	I.BLK	FG016854.D	29 Oct 2025 19:35	YP\AJ	Ok
11	20 PPM ALIPHATIC HC STD	FG016855.D	29 Oct 2025 20:05	YP\AJ	Ok

M : Manual Integration

Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QC Batch ID # FG111725AL

Review By	rahul	Review On	11/17/2025 3:35:35 PM
Supervise By	mohammad	Supervise On	11/19/2025 12:23:20 AM
SubDirectory	FG111725AL	HP Acquire Method	HP Processing Method FG102925AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773		
CCC Internal Standard/PEM	PP24771		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24769,PP24774		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FG016923.D	17 Nov 2025 10:24	YP\AJ	Ok
2	I.BLK	FG016924.D	17 Nov 2025 13:50	YP\AJ	Ok
3	20 PPM ALIPHATIC HC STD	FG016925.D	17 Nov 2025 14:20	YP\AJ	Ok
4	PB170577BL	FG016926.D	17 Nov 2025 16:34	YP\AJ	Not Ok
5	PB170577BS	FG016927.D	17 Nov 2025 17:03	YP\AJ	Ok
6	PB170577BSD	FG016928.D	17 Nov 2025 17:32	YP\AJ	Ok
7	Q3586-01	FG016929.D	17 Nov 2025 18:02	YP\AJ	Ok
8	Q3586-02	FG016930.D	17 Nov 2025 18:31	YP\AJ	Ok
9	Q3586-03	FG016931.D	17 Nov 2025 19:01	YP\AJ	ReRun
10	Q3586-03D	FG016932.D	17 Nov 2025 19:30	YP\AJ	Not Ok
11	Q3586-03MS	FG016933.D	17 Nov 2025 19:59	YP\AJ	Not Ok
12	Q3586-03MSD	FG016934.D	17 Nov 2025 20:29	YP\AJ	Not Ok
13	Q3618-01	FG016935.D	17 Nov 2025 20:58	YP\AJ	Ok
14	Q3618-02	FG016936.D	17 Nov 2025 21:28	YP\AJ	Ok
15	I.BLK	FG016937.D	17 Nov 2025 22:27	YP\AJ	Ok
16	20 PPM ALIPHATIC HC STD	FG016938.D	17 Nov 2025 22:56	YP\AJ	Ok

M : Manual Integration

Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QC Batch ID # FG112025AL

Review By	Rahul	Review On	11/20/2025 10:43:14 AM
Supervise By	mohammad	Supervise On	11/21/2025 6:40:27 AM
SubDirectory	FG112025AL	HP Acquire Method	HP Processing Method FG102925AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773		
CCC Internal Standard/PEM	PP24771		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24769,PP24774		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FG016954.D	20 Nov 2025 09:37	YP\AJ	Ok
2	I.BLK	FG016955.D	20 Nov 2025 10:07	YP\AJ	Ok
3	20 PPM ALIPHATIC HC STD	FG016956.D	20 Nov 2025 10:36	YP\AJ	Ok
4	PB170577BL	FG016957.D	20 Nov 2025 11:09	YP\AJ	Ok
5	Q3586-03	FG016958.D	20 Nov 2025 13:13	YP\AJ	Ok
6	Q3586-03D	FG016959.D	20 Nov 2025 13:43	YP\AJ	Ok,M
7	Q3586-03MS	FG016960.D	20 Nov 2025 14:56	YP\AJ	Ok
8	Q3586-03MSD	FG016961.D	20 Nov 2025 15:41	YP\AJ	Ok
9	I.BLK	FG016962.D	20 Nov 2025 16:41	YP\AJ	Ok
10	20 PPM ALIPHATIC HC STD	FG016963.D	20 Nov 2025 17:15	YP\AJ	Ok

M : Manual Integration

Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QC Batch ID # FF102925AR

Review By	yogesh	Review On	10/29/2025 1:14:34 PM
Supervise By	Sohil	Supervise On	10/30/2025 4:01:10 PM
SubDirectory	FF102925AR	HP Acquire Method	HP Processing Method FF102925AR
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24954,PP24956,PP24957,PP24958,PP24959		
CCC	PP24961		
Internal Standard/PEM			
ICV/I.BLK	PP24955,PP24960		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FF016609.D	29 Oct 2025 13:36		YP\AJ	Ok
2	I.BLK	I.BLK	FF016610.D	29 Oct 2025 14:05		YP\AJ	Ok
3	100 PPM AROMATIC HC	100 PPM AROMATIC HC	FF016611.D	29 Oct 2025 14:35		YP\AJ	Not Ok
4	50 PPM AROMATIC HC	50 PPM AROMATIC HC	FF016612.D	29 Oct 2025 15:04		YP\AJ	Ok
5	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FF016613.D	29 Oct 2025 15:34		YP\AJ	Ok
6	10 PPM AROMATIC HC	10 PPM AROMATIC HC	FF016614.D	29 Oct 2025 16:03		YP\AJ	Ok
7	100 PPM AROMATIC HC	100 PPM AROMATIC HC	FF016615.D	29 Oct 2025 17:02		YP\AJ	Ok
8	5 PPM AROMATIC HC	5 PPM AROMATIC HC	FF016616.D	29 Oct 2025 18:07		YP\AJ	Ok
9	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FF016617.D	29 Oct 2025 19:06		YP\AJ	Ok
10	I.BLK	I.BLK	FF016618.D	29 Oct 2025 20:05		YP\AJ	Ok
11	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FF016619.D	29 Oct 2025 20:34		YP\AJ	Ok

M : Manual Integration

Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QC Batch ID # FF111725AR

Review By	rahul	Review On	11/17/2025 3:33:41 PM
Supervise By	mohammad	Supervise On	11/19/2025 12:23:12 AM
SubDirectory	FF111725AR	HP Acquire Method	HP Processing Method FF102925AR

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP24954,PP24956,PP24957,PP24958,PP24959
CCC Internal Standard/PEM	PP24961
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24955,PP24960

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FF016714.D	17 Nov 2025 10:24		YPIAJ	Ok
2	I.BLK	I.BLK	FF016715.D	17 Nov 2025 13:50		YPIAJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FF016716.D	17 Nov 2025 14:20		YPIAJ	Ok,M
4	PB170577BS	PB170577BS	FF016717.D	17 Nov 2025 15:00		YPIAJ	Ok
5	PB170577BSD	PB170577BSD	FF016718.D	17 Nov 2025 15:30		YPIAJ	Ok
6	PB170577BL	PB170577BL	FF016719.D	17 Nov 2025 16:34		YPIAJ	Ok
7	PB170496BS	PB170496BS	FF016720.D	17 Nov 2025 17:03	recoovery ffail	YPIAJ	Not Ok
8	PB170496BSD	PB170496BSD	FF016721.D	17 Nov 2025 17:32	recoovery ffail	YPIAJ	Not Ok
9	Q3586-01	SED-1	FF016722.D	17 Nov 2025 18:02		YPIAJ	Ok
10	Q3586-02	SED-2	FF016723.D	17 Nov 2025 18:31		YPIAJ	Ok
11	Q3586-03	SED-3	FF016724.D	17 Nov 2025 19:01		YPIAJ	Ok
12	Q3586-03D	Q3586-03D	FF016725.D	17 Nov 2025 19:30		YPIAJ	Ok
13	Q3586-03MS	SED-3MS	FF016726.D	17 Nov 2025 19:59	FF016724.D	YPIAJ	Ok
14	Q3586-03MSD	SED-3MSD	FF016727.D	17 Nov 2025 20:29	FF016724.D!FF016726.D	YPIAJ	Ok
15	Q3618-01	EME-TOP-SOIL	FF016728.D	17 Nov 2025 20:58		YPIAJ	Ok
16	Q3618-02	EME-GENERAL-FILL	FF016729.D	17 Nov 2025 21:28		YPIAJ	Ok
17	I.BLK	I.BLK	FF016730.D	17 Nov 2025 22:27		YPIAJ	Ok
18	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FF016731.D	17 Nov 2025 22:56		YPIAJ	Ok

Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QC Batch ID # FF111725AR

Review By	rahul	Review On	11/17/2025 3:33:41 PM	
Supervise By	mohammad	Supervise On	11/19/2025 12:23:12 AM	
SubDirectory	FF111725AR	HP Acquire Method	HP Processing Method	FF102925AR
STD. NAME	STD REF.#			
Tune/Reschk Initial Calibration Stds	PP24954,PP24956,PP24957,PP24958,PP24959			
CCC Internal Standard/PEM	PP24961			
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24955,PP24960			

M : Manual Integration

Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QC Batch ID # FG102925AL

Review By	yogesh	Review On	10/29/2025 1:10:18 PM
Supervise By	Sohil	Supervise On	10/30/2025 4:00:31 PM
SubDirectory	FG102925AL	HP Acquire Method	HP Processing Method FG102925AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773		
CCC	PP24771		
Internal Standard/PEM			
ICV/I.BLK	PP24769,PP24774		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FG016845.D	29 Oct 2025 13:06		YP\AJ	Ok
2	I.BLK	I.BLK	FG016846.D	29 Oct 2025 13:36		YP\AJ	Ok
3	100 PPM ALIPHATIC HC	100 PPM ALIPHATIC HC	FG016847.D	29 Oct 2025 14:05		YP\AJ	Not Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FG016848.D	29 Oct 2025 14:35		YP\AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FG016849.D	29 Oct 2025 15:04		YP\AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FG016850.D	29 Oct 2025 15:34		YP\AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FG016851.D	29 Oct 2025 16:03		YP\AJ	Ok
8	100 PPM ALIPHATIC HC	100 PPM ALIPHATIC HC	FG016852.D	29 Oct 2025 16:33		YP\AJ	Ok
9	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FG016853.D	29 Oct 2025 17:32		YP\AJ	Ok
10	I.BLK	I.BLK	FG016854.D	29 Oct 2025 19:35		YP\AJ	Ok
11	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FG016855.D	29 Oct 2025 20:05		YP\AJ	Ok

M : Manual Integration

Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QC Batch ID # FG111725AL

Review By	rahul	Review On	11/17/2025 3:35:35 PM
Supervise By	mohammad	Supervise On	11/19/2025 12:23:20 AM
SubDirectory	FG111725AL	HP Acquire Method	HP Processing Method FG102925AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773		
CCC	PP24771		
Internal Standard/PEM			
ICV/I.BLK	PP24769,PP24774		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FG016923.D	17 Nov 2025 10:24		YPIAJ	Ok
2	I.BLK	I.BLK	FG016924.D	17 Nov 2025 13:50		YPIAJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FG016925.D	17 Nov 2025 14:20		YPIAJ	Ok
4	PB170577BL	PB170577BL	FG016926.D	17 Nov 2025 16:34	Surrogate fail	YPIAJ	Not Ok
5	PB170577BS	PB170577BS	FG016927.D	17 Nov 2025 17:03		YPIAJ	Ok
6	PB170577BSD	PB170577BSD	FG016928.D	17 Nov 2025 17:32		YPIAJ	Ok
7	Q3586-01	SED-1	FG016929.D	17 Nov 2025 18:02		YPIAJ	Ok
8	Q3586-02	SED-2	FG016930.D	17 Nov 2025 18:31		YPIAJ	Ok
9	Q3586-03	SED-3	FG016931.D	17 Nov 2025 19:01	Surrogate fail	YPIAJ	ReRun
10	Q3586-03D	Q3586-03D	FG016932.D	17 Nov 2025 19:30	Not matching with original	YPIAJ	Not Ok
11	Q3586-03MS	SED-3MS	FG016933.D	17 Nov 2025 19:59	FG016931.D	YPIAJ	Not Ok
12	Q3586-03MSD	SED-3MSD	FG016934.D	17 Nov 2025 20:29	FG016931.D!FG016933.D	YPIAJ	Not Ok
13	Q3618-01	EME-TOP-SOIL	FG016935.D	17 Nov 2025 20:58		YPIAJ	Ok
14	Q3618-02	EME-GENERAL-FILL	FG016936.D	17 Nov 2025 21:28		YPIAJ	Ok
15	I.BLK	I.BLK	FG016937.D	17 Nov 2025 22:27		YPIAJ	Ok
16	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FG016938.D	17 Nov 2025 22:56		YPIAJ	Ok

M : Manual Integration

Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QC Batch ID # FG112025AL

Review By	Rahul	Review On	11/20/2025 10:43:14 AM
Supervise By	mohammad	Supervise On	11/21/2025 6:40:27 AM
SubDirectory	FG112025AL	HP Acquire Method	HP Processing Method FG102925AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773		
CCC	PP24771		
Internal Standard/PEM			
ICV/I.BLK	PP24769,PP24774		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FG016954.D	20 Nov 2025 09:37		YP\AJ	Ok
2	I.BLK	I.BLK	FG016955.D	20 Nov 2025 10:07		YP\AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FG016956.D	20 Nov 2025 10:36		YP\AJ	Ok
4	PB170577BL	PB170577BL	FG016957.D	20 Nov 2025 11:09		YP\AJ	Ok
5	Q3586-03	SED-3	FG016958.D	20 Nov 2025 13:13		YP\AJ	Ok
6	Q3586-03D	Q3586-03D	FG016959.D	20 Nov 2025 13:43		YP\AJ	Ok,M
7	Q3586-03MS	SED-3MS	FG016960.D	20 Nov 2025 14:56	FG016958.D	YP\AJ	Ok
8	Q3586-03MSD	SED-3MSD	FG016961.D	20 Nov 2025 15:41	FG016958.D!FG016960.D	YP\AJ	Ok
9	I.BLK	I.BLK	FG016962.D	20 Nov 2025 16:41		YP\AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FG016963.D	20 Nov 2025 17:15		YP\AJ	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 11/11/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:30
In Date: 11/10/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:37
Out Date: 11/11/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137838

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q3581-01	VNJ-238	1	1.14	10.78	11.92	10.38	85.7	
Q3581-03	VNJ-245	2	1.18	11.48	12.66	11.14	86.8	
Q3581-05	VNJ-240	3	1.19	10.33	11.52	10.38	89.0	
Q3581-07	RBR200059	4	1.13	10.74	11.87	10.48	87.1	
Q3582-04	RT4912	5	1.13	10.66	11.79	9.99	83.1	
Q3582-05	RT4912-E2	6	1.15	10.34	11.49	9.9	84.6	
Q3583-04	CHRT27080	7	1.00	10.99	11.99	2.6	14.6	sludge sample
Q3583-05	CHRT27080	8	1.13	10.53	11.66	2.45	12.5	sludge sample
Q3586-01	SED-1	9	1.18	10.48	11.66	7.77	62.9	
Q3586-02	SED-2	10	1.13	10.64	11.77	5.54	41.4	
Q3586-03	SED-3	11	1.17	10.63	11.8	6.58	50.9	
Q3587-01	NB-08-110725	12	1.16	10.48	11.64	10.81	92.1	
Q3587-02	NB-08-110725-E2	13	1.14	10.88	12.02	10.72	88.1	
Q3588-01	TR-06-11072025	14	1.16	10.27	11.43	10.8	93.9	
Q3588-02	TR-06-11072025-E2	15	1.15	10.40	11.55	10.8	92.8	
Q3588-03	TR-01-11072025	16	1.13	10.49	11.62	10.84	92.6	
Q3588-04	TR-01-11072025-E2	17	1.11	10.35	11.46	10.66	92.3	
Q3589-03	MDL-SOIL-QT4-2025-07	18	1.00	1.00	2.00	2.00	100.0	
Q3589-04	MDL-SOIL-QT4-2025-08	19	1.00	1.00	2.00	2.00	100.0	
Q3589-05	MDL-MED-SOIL-QT4-2025-07	20	1.00	1.00	2.00	2.00	100.0	
Q3589-06	MDL-MED-SOIL-QT4-2025-08	21	1.00	1.00	2.00	2.00	100.0	
Q3590-01	MOO-25-0314-0316-COMP	22	1.13	10.61	11.74	10.05	84.1	
Q3590-02	MOO-25-0314-0316-COMP	23	1.19	10.30	11.49	10.5	90.4	
Q3590-03	MOO-25-0317-0318-COMP	24	1.19	10.55	11.74	6.06	46.2	
Q3590-04	MOO-25-0317-0318-COMP	25	1.13	10.64	11.77	6.42	49.7	
Q3590-05	MOO-25-0319	26	1.00	1.00	2.00	2.00	100.0	plastic-debris sample
Q3590-06	MOO-25-0319	27	1.00	1.00	2.00	2.00	100.0	plastic-debris sample

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 11/11/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:30
In Date: 11/10/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:37
Out Date: 11/11/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137838

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q3591-01	KMH4680-END-1-1	28	1.00	1.00	2.00	2.00	100.0	PILC
Q3591-02	KMH4680-END-1-2	29	1.00	1.00	2.00	2.00	100.0	PILC
Q3591-03	M4-END-A	30	1.00	1.00	2.00	2.00	100.0	PILC
Q3591-04	M4-END-B	31	1.00	1.00	2.00	2.00	100.0	PILC
Q3591-05	M5-END-A	32	1.00	1.00	2.00	2.00	100.0	PILC
Q3591-06	M5-END-B	33	1.00	1.00	2.00	2.00	100.0	PILC
Q3592-01	11625	34	1.00	1.00	2.00	2.00	100.0	Concrete sample
Q3593-04	A-LAW-25-0167-0175-COMP	35	1.19	10.57	11.76	9.63	79.8	
Q3593-05	A-LAW-25-0167-0175-COMP	36	1.15	10.59	11.74	9.6	79.8	
Q3593-06	B-LAW-25-0167-0175-COMP	37	1.19	10.52	11.71	9.56	79.6	
Q3593-07	B-LAW-25-0167-0175-COMP	38	1.13	10.42	11.55	9.42	79.6	
Q3593-08	C-LAW-25-0156-0166-COMP	39	1.19	10.50	11.69	9.41	78.3	
Q3593-09	C-LAW-25-0156-0166-COMP	40	1.18	10.43	11.61	9.82	82.8	
Q3593-10	D-LAW-25-0156-0166-COMP	41	1.11	10.77	11.88	9.75	80.2	
Q3593-11	D-LAW-25-0156-0166-COMP	42	1.19	10.61	11.8	9.77	80.9	
Q3596-01	11-7-25-A	55	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3596-02	11-7-25-B	56	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3596-03	11-7-25-C	57	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3597-01	TP-1	43	1.13	10.69	11.82	11.54	97.4	
Q3597-02	TP-1-EPH-0-3	44	1.15	10.10	11.25	11.08	98.3	
Q3597-03	TP-1-EPH-3-6	45	1.16	10.16	11.32	11.00	96.9	
Q3597-04	TP-2	46	1.15	10.84	11.99	11.82	98.4	
Q3597-05	TP-2-EPH-0-3	47	1.18	10.20	11.38	11.23	98.5	
Q3597-06	TP-2-EPH-3-6	48	1.13	10.22	11.35	11.16	98.1	
Q3597-07	TP-3	49	1.16	10.11	11.27	11.03	97.6	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 11/11/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:30
In Date: 11/10/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:37
Out Date: 11/11/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137838

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q3597-08	TP-3-EPH-0-3	50	1.14	10.52	11.66	11.47	98.2	
Q3597-09	TP-3-EPH-3-6	51	1.18	10.46	11.64	11.38	97.5	
Q3597-10	TP-4	52	1.11	10.71	11.82	11.58	97.8	
Q3597-11	TP-4-EPH-0-3	53	1.15	10.33	11.48	11.07	96.0	
Q3597-12	TP-4-EPH-3-6	54	1.18	10.19	11.37	11.18	98.1	
Q3598-01	EO-CONCRETE	58	1.15	10.14	11.29	10.47	91.9	
Q3599-01	LIVINGSTON-SOIL	59	1.15	10.19	11.34	10.55	92.2	
Q3600-01	CENTRAL-ROW-CONCRETE	60	1.11	10.72	11.83	10.26	85.4	
Q3600-02	CENTRAL-ROW-CONCRETE-E 2	61	1.18	10.44	11.62	10.07	85.2	
Q3601-01	TP-1	62	1.13	10.73	11.86	10.42	86.6	
Q3601-02	TP-1-EPH	63	1.16	10.77	11.93	10.52	86.9	
Q3601-03	TP-1-VOC	64	1.18	10.44	11.62	10.1	85.4	
Q3601-05	TP-2	65	1.17	10.66	11.83	10.48	87.3	
Q3601-06	TP-2-EPH	66	1.17	10.57	11.74	10.34	86.8	
Q3601-07	TP-2-VOC	67	1.18	10.12	11.3	10.05	87.6	
Q3601-09	TP-3	68	1.11	10.70	11.81	10.45	87.3	
Q3601-10	TP-3-EPH	69	1.15	10.00	11.15	9.91	87.6	
Q3601-11	TP-3-VOC	70	1.19	10.53	11.72	10.21	85.7	
Q3601-13	TP-4	71	1.15	10.99	12.14	10.94	89.1	
Q3601-14	TP-4-EPH	72	1.16	10.53	11.69	10.54	89.1	
Q3601-15	TP-4-VOC	73	1.11	10.35	11.46	10.58	91.5	
Q3601-17	TP-5	74	1.15	10.35	11.5	9.93	84.8	
Q3601-18	TP-5-EPH	75	1.16	10.22	11.38	9.68	83.4	
Q3601-19	TP-5-VOC	76	1.19	10.20	11.39	9.69	83.3	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-111025 WorkList ID : 192994 Department : Wet-Chemistry Date : 11-10-2025 08:07:52

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3581-01	VNJ-238	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/07/2025	Chemtech -SO
Q3581-03	VNJ-245	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/07/2025	Chemtech -SO
Q3581-05	VNJ-240	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/07/2025	Chemtech -SO
Q3581-07	RBR200059	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/07/2025	Chemtech -SO
Q3582-04	RT4912	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	11/07/2025	Chemtech -SO
Q3582-05	RT4912-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	11/07/2025	Chemtech -SO
Q3583-04	CHRT27080	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/07/2025	Chemtech -SO
Q3583-05	CHRT27080	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/07/2025	Chemtech -SO
Q3586-01	SED-1	Solid	Percent Solids	Cool 4 deg C	REMI02	D31	11/06/2025	Chemtech -SO
Q3586-02	SED-2	Solid	Percent Solids	Cool 4 deg C	REMI02	D31	11/06/2025	Chemtech -SO
Q3586-03	SED-3	Solid	Percent Solids	Cool 4 deg C	REMI02	D31	11/06/2025	Chemtech -SO
Q3587-01	NB-08-110725	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	11/07/2025	Chemtech -SO
Q3587-02	NB-08-110725-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	11/07/2025	Chemtech -SO
Q3588-01	TR-06-11072025	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	11/07/2025	Chemtech -SO
Q3588-02	TR-06-11072025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	11/07/2025	Chemtech -SO
Q3588-03	TR-01-11072025	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	11/07/2025	Chemtech -SO
Q3588-04	TR-01-11072025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	11/07/2025	Chemtech -SO
Q3589-03	MDL-SOIL-QT4-2025-07	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	11/10/2025	Chemtech -SO
Q3589-04	MDL-SOIL-QT4-2025-08	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	11/10/2025	Chemtech -SO
Q3589-05	MDL-MED-SOIL-QT4-2025-07	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	11/10/2025	Chemtech -SO
Q3589-06	MDL-MED-SOIL-QT4-2025-08	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	11/10/2025	Chemtech -SO

Date/Time 11-10-25 15:00 Date/Time 11-10-25 17:40
 Raw Sample Received by: Ed Grogan Raw Sample Received by: CP
 Raw Sample Relinquished by: CP Raw Sample Relinquished by: Ed Grogan

WORKLIST(Hardcopy Internal Chain)

137838

WorkList Name : %1-111025 WorkList ID : 192994 Department : Wet-Chemistry Date : 11-10-2025 08:07:52

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3590-01	MOO-25-0314-0316-COMP	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/07/2025	Chemtech -SO
Q3590-02	MOO-25-0314-0316-COMP	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/07/2025	Chemtech -SO
Q3590-03	MOO-25-0317-0318-COMP	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/07/2025	Chemtech -SO
Q3590-04	MOO-25-0317-0318-COMP	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/07/2025	Chemtech -SO
Q3590-05	MOO-25-0319-COMP	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/07/2025	Chemtech -SO
Q3590-06	MOO-25-0319-COMP	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/07/2025	Chemtech -SO
Q3591-01	KMH4680-END-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/07/2025	Chemtech -SO
Q3591-02	KMH4680-END-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/07/2025	Chemtech -SO
Q3591-03	M4-END-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/07/2025	Chemtech -SO
Q3591-04	M4-END-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/07/2025	Chemtech -SO
Q3591-05	M5-END-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/07/2025	Chemtech -SO
Q3591-06	M5-END-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/07/2025	Chemtech -SO
Q3592-01	11625	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/07/2025	Chemtech -SO
Q3593-04	A-LAW-25-0167-0175-COMP	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/07/2025	Chemtech -SO
Q3593-05	A-LAW-25-0167-0175-COMP	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/07/2025	Chemtech -SO
Q3593-06	B-LAW-25-0167-0175-COMP	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/07/2025	Chemtech -SO
Q3593-07	B-LAW-25-0167-0175-COMP	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/07/2025	Chemtech -SO
Q3593-08	C-LAW-25-0167-0175-COMP	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/07/2025	Chemtech -SO
Q3593-09	C-LAW-25-0167-0175-COMP	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/07/2025	Chemtech -SO
Q3593-10	D-LAW-25-0156-0166-COMP	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/07/2025	Chemtech -SO
Q3593-11	D-LAW-25-0156-0166-COMP	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/07/2025	Chemtech -SO

Date/Time 11.10.25 15.00 Date/Time 11.10.25 17.40
 Raw Sample Received by: [Signature] Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature] Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-111025 WorkList ID : 192994 Department : Wet-Chemistry Date : 11-10-2025 08:07:52

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3596-01	11-7-25-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	11/10/2025	Chemtech -SO
Q3596-02	11-7-25-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	11/10/2025	Chemtech -SO
Q3596-03	11-7-25-C	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	11/10/2025	Chemtech -SO
Q3597-01	TP-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/10/2025	Chemtech -SO
Q3597-02	TP-1-EPH-0-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/10/2025	Chemtech -SO
Q3597-03	TP-1-EPH-3-6	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/10/2025	Chemtech -SO
Q3597-04	TP-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/10/2025	Chemtech -SO
Q3597-05	TP-2-EPH-0-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/10/2025	Chemtech -SO
Q3597-06	TP-2-EPH-3-6	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/10/2025	Chemtech -SO
Q3597-07	TP-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/10/2025	Chemtech -SO
Q3597-08	TP-3-EPH-0-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/10/2025	Chemtech -SO
Q3597-09	TP-3-EPH-3-6	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/10/2025	Chemtech -SO
Q3597-10	TP-4	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/10/2025	Chemtech -SO
Q3597-11	TP-4-EPH-0-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/10/2025	Chemtech -SO
Q3597-12	TP-4-EPH-3-6	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/10/2025	Chemtech -SO
Q3598-01	EO-CONCRETE	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/10/2025	Chemtech -SO
Q3599-01	LIVINGSTON-SOIL	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/10/2025	Chemtech -SO
Q3600-01	CENTRAL-ROW-CONCRETE	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/10/2025	Chemtech -SO
Q3600-02	CENTRAL-ROW-CONCRETE-E	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/10/2025	Chemtech -SO
Q3601-01	TP-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/10/2025	Chemtech -SO
Q3601-02	TP-1-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/10/2025	Chemtech -SO

Date/Time: 11-10-25 13:00
 Raw Sample Received by: JP
 Raw Sample Relinquished by: JP

WORKLIST(Hardcopy Internal Chain)

1378358

WorkList Name : %1-111025 WorkList ID : 192994 Department : Wet-Chemistry Date : 11-10-2025 08:07:52

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3601-03	TP-1-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/10/2025	Chemtech -SO
Q3601-05	TP-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/10/2025	Chemtech -SO
Q3601-06	TP-2-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/10/2025	Chemtech -SO
Q3601-07	TP-2-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/10/2025	Chemtech -SO
Q3601-09	TP-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/10/2025	Chemtech -SO
Q3601-10	TP-3-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/10/2025	Chemtech -SO
Q3601-11	TP-3-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/10/2025	Chemtech -SO
Q3601-13	TP-4	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/10/2025	Chemtech -SO
Q3601-14	TP-4-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/10/2025	Chemtech -SO
Q3601-15	TP-4-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/10/2025	Chemtech -SO
Q3601-17	TP-5	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/10/2025	Chemtech -SO
Q3601-18	TP-5-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/10/2025	Chemtech -SO
Q3601-19	TP-5-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/10/2025	Chemtech -SO

Date/Time 11.10.25 13:00

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Date/Time 11.10.25 13:40

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

SOP ID: MNJDEP-EPH-8

Clean Up SOP #: N/A

Matrix: Solid

Weigh By: EH

Balance check: EH

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date: 11/17/2025

Extraction Start Time: 09:50

Extraction End Date: 11/17/2025

Extraction End Time: 16:10

Concentration By: EH

Supervisor By: RUPESH

Extraction Method: ☐ Separatory Funnel

☐ Continuous Liquid/Liquid

☐ Sonication

☐ Waste Dilution

☒ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	100 PPM	PP25005
Surrogate	1.0ML	100 PPM	PP25012
Fractionation Surrogate	1.0ML	100 PPM	PP24994
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2659
Baked Na2SO4	N/A	EP2655
Sand	N/A	E3951
Hexane	N/A	E3984
Methylene Chloride	N/A	E3986
EPH Cartridge	N/A	E3970
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vial Lot # 2210443.

KD Bath ID: N/A

Envap ID: N-EVAP-02

KD Bath Temperature: N/A

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/17/25	RS (Gibbs)	RC/Post PCB
16:15	Preparation Group	Analysis Group

Analytical Method: MNJDEP-EPH-8

Concentration Date: 11/17/2025

Sample ID	Client Sample ID	Test	g/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170577BL	PB170577BL	EPH	30.01	N/A	ritesh	Evelyn	2			U2-1
PB170577BS	PB170577BS	EPH	30.03	N/A	ritesh	Evelyn	2			2
PB170577BSD	PB170577BSD	EPH	30.02	N/A	ritesh	Evelyn	2			3
Q3586-01	SED-1	EPH	30.04	N/A	ritesh	Evelyn	2	H		4
Q3586-02	SED-2	EPH	30.08	N/A	ritesh	Evelyn	2	H		5
Q3586-03	SED-3	EPH	30.07	N/A	ritesh	Evelyn	2	H		6
Q3586-03DUP	SED-3DUP	EPH	30.05	N/A	ritesh	Evelyn	2	H		U3-1
Q3586-03MS	SED-3MS	EPH	30.03	N/A	ritesh	Evelyn	2	H		2
Q3586-03MSD	SED-3MSD	EPH	30.01	N/A	ritesh	Evelyn	2	H		3
Q3618-01	EME-TOP-SOIL	EPH	30.06	N/A	ritesh	Evelyn	2	E		4
Q3618-02	EME-GENERAL-FILL	EPH	30.09	N/A	ritesh	Evelyn	2	F		5



WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3586 WorkList ID : 193150 Department : Extraction Date : 11-17-2025 09:04:17

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3586-01	SED-1	Solid	EPH	Cool 4 deg C	REMI02	D31	11/06/2025	NJEPH
Q3586-02	SED-2	Solid	EPH	Cool 4 deg C	REMI02	D31	11/06/2025	NJEPH
Q3586-03	SED-3	Solid	EPH	Cool 4 deg C	REMI02	D31	11/06/2025	NJEPH
Q3618-01	EME-TOP-SOIL	Solid	EPH	Cool 4 deg C	ENTA05	D41	11/12/2025	NJEPH
Q3618-02	EME-GENERAL-FILL	Solid	EPH	Cool 4 deg C	ENTA05	D41	11/12/2025	NJEPH

Date/Time 11/17/25 9:47
 Raw Sample Received by: RJ (Ext 106)
 Raw Sample Relinquished by: OR Sm

Date/Time 11/17/25 10:00
 Raw Sample Received by: CP Sm
 Raw Sample Relinquished by: RJ (Ext 106)



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Remington + Vermack Engineers
ADDRESS: 2059 Springdale Rd
CITY: Cherry Hill STATE: NJ ZIP: 08003
ATTENTION: Kyle Carlson @ rve.com
PHONE: 609-682-3019 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Edison Landfill
PROJECT NO.: 1205T007 LOCATION: Edison, NJ
PROJECT MANAGER: Leslie Hartzell
e-mail: Leslie.Hartzell@rve.com
PHONE: 610-663-4665 FAX:

CLIENT BILLING INFORMATION

BILL TO: APinvoices@rve.com PO#: 205T007
ADDRESS: 2059 Springdale Rd
CITY: Cherry Hill STATE: NJ ZIP: 08003
ATTENTION: Leslie Hartzell PHONE: 610-663-4665

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): Standard DAYS*
EDD: _____ DAYS*

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

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

1. TOTAL+30
2. EPH
3. HX Chrome
4. ALMAAS, Heavy
5. VOCs
6. % Solids
7.
8.
9.

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		E	E	E	E	F	F				← Specify Preservatives A-HCl B-HNO3 C-H2SO4	D-NaOH E-ICE F-OTHER
								1	2	3	4	5	6	7	8	9		
1.	SED-1	S		X	11/6/25	14:15	13	6	1	1	1	3	1				Methanol, DI Water	
2.	SED-2	S		X	11/6/25	12:40	13	6	1	1	1	3	1				Methanol, DI Water	
3.	SED-3	S		X	11/6/25	11:35	13	6	1	1	1	3	1				Methanol, DI Water	
4.																		
5.																		
6.																		
7.																		
8.																		
9.																		
10.																		

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

RELINQUISHED BY SAMPLER: 1. <u>Arina Maier</u>	DATE/TIME: <u>11/7/25 (10:00)</u>	RECEIVED BY: 1.	Conditions of bottles or coolers at receipt: ☒ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP <u>3.5 + 0 = 3.5 °C</u> Comments:
RELINQUISHED BY SAMPLER: 2.	DATE/TIME: <u>11-7-25</u>	RECEIVED BY: <u>JT</u>	
RELINQUISHED BY SAMPLER: 3. <u>JT</u>	DATE/TIME: <u>11-7-25</u>	RECEIVED BY: 3.	

Page 1 of 1 CLIENT: ☐ Hand Delivered ☐ Other Shipment Complete ☐ YES ☐ NO

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3586	REMI02	Order Date : 11/7/2025 3:20:00 PM	Project Mgr :
Client Name : Remington & Vernick Engi		Project Name : Edison Landfill	Report Type : NJ Reduced
Client Contact : Kyle Carlson		Receive DateTime : 11/7/2025 12:00:00 AM	EDD Type : Excel NJ
Invoice Name : Remington & Vernick Engi		Purchase Order : 17:20	Hard Copy Date :
Invoice Contact : Kyle Carlson			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3586-01	SED-1	Solid	11/06/2025	14:15	VOC-TCLVOA-10	TCL+30/TAL	8260D	10 Bus. Days	
Q3586-02	SED-2	Solid	11/06/2025	12:40	VOC-TCLVOA-10	TCL+30/TAL	8260D	10 Bus. Days	
Q3586-03	SED-3	Solid	11/06/2025	11:55	VOC-TCLVOA-10	TCL+30/TAL	8260D	10 Bus. Days	

T. H. H. H. H.

*Stored in VOA
F22 #02 & ref # 06*

Relinquished By : *CP*
Date / Time : 11/10/25 12:35

Received By : *W. D. D. D.*
Date / Time : 11/10/25 10:35

Storage Area : VOA Refridgerator Room