

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: Q1236	OrderDate: 1/30/2025 12:48:00 PM
Client: Sciacca General Contractors, LLC	Project: 1063 Lafayette Ave, Hawthorne, NJ
Contact: Daniel Scirica	Location: E11,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1236-01	WASTE	SOIL	TPH GC	8015D	01/30/25	01/31/25	02/01/25	01/30/25
Q1236-03	1	Solid	EPH_F2	NJEPH	01/30/25	01/31/25	02/03/25	01/30/25
Q1236-04	2	Solid	EPH_F2	NJEPH	01/30/25	01/31/25	02/03/25	01/30/25
Q1236-05	3	Solid	EPH_F2	NJEPH	01/30/25	01/31/25	02/03/25	01/30/25
Q1236-06	4	Solid	EPH_F2	NJEPH	01/30/25	01/31/25	02/03/25	01/30/25
Q1236-07	5	Solid	EPH_F2	NJEPH	01/30/25	01/31/25	01/31/25	01/30/25



QC SUMMARY

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: SCIA01
Lab Code: CHEM CASE No.: Q1236 SAS No.: Q1236 SDG No.: Q1236
Run Number: FD013125AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
PB166432BL	80	79		0
PB166432BS	84	78		0
PB166432BSD	85	79		0
5	47	49		0
5MS	50	51		0
5MSD	46	48		0

QC LIMITS

1-chlorooctadecane (SURR)

(40-140)

ortho-Terphenyl (SURR)

(40-140)

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

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: SCIA01
Lab Code: CHEM CASE No.: Q1236 SAS No.: Q1236 SDG No.: Q1236
Run Number: FD020325AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
1	62	75		0
2	73	92		0
3	80	106		0
4	75	106		0

QC LIMITS

1-chlorooctadecane (SURR)

(40-140)

ortho-Terphenyl (SURR)

(40-140)

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

SOIL EPH SURROGATE RECOVERY

QC LIMITS

1-chlorooctadecane (SURR)

(40-140)

ortho-Terphenyl (SURR)

(40-140)

Column to be used to flag recovery values

* Values outside of contract required QC Limits

D Surrogate diluted out

SOLID EPH_F2 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Sciacca General Contractors, LLC
Lab Code: CHEM **Cas No:** Q1236 **SAS No :** Q1236 **SDG No:** Q1236
Sample No : Q1236-07MS **Datafile:** FD049032.D
Client ID : 5MS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C28-C40	36.0	11.4	45.1	94		(40-140)
Aliphatic C9-C28	120.0	6.65	96.9	75		(40-140)

SOLID EPH_F2 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Sciacca General Contractors, LLC
Lab Code: CHEM **Cas No:** Q1236 **SAS No :** Q1236 **SDG No:** Q1236
Sample No : Q1236-07MSD **Datafile:** FD049033.D
Client ID : 5MSD

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS QC Limit Of RPD
Aliphatic C28-C40	36.0	11.4	44.5	92		1.73 (40-140) 25
Aliphatic C9-C28	120.0	6.65	94.5	73		2.7 (40-140) 25

SOLID EPH_F2 LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Sciacca General Contractors, LLC
Lab Code: CHEM **Cas No:** Q1236 **SAS No :** Q1236 **SDG No:** Q1236
Sample No : PB166432BS **Datafile:** FD049025.D
Client ID : PB166432BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C28-C40	30.0	33.8	112		(40-140)
Aliphatic C9-C28	99.9	104	105		(40-140)

SOLID EPH_F2 LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Sciacca General Contractors, LLC
Lab Code: CHEM **Cas No:** Q1236 **SAS No :** Q1236 **SDG No:** Q1236
Sample No : PB166432BSD **Datafile:** FD049026.D
Client ID : PB166432BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS	QC Limit Of RPD
Aliphatic C28-C40	30.0	23.1	77		37 (40-140)	50
Aliphatic C9-C28	99.9	69.1	70		40.6 (40-140)	50

4B
METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166432BL

Lab Name: CHEMTECH

Contract: SCIA01

Lab Code: CHEM Case No.: Q1236

SAS No.: Q1236 SDG NO.: Q1236

Instrument ID: FID_D

Lab Sample ID: PB166432BL

Matrix: (soil/water) Solid

Date Extracted: 1/31/2025 12:05:00

Level: (low/med) low

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

EPA SAMPLE NO.	LAB SAMPLE ID
PB166432BS	PB166432BS
1	Q1236-03
2	Q1236-04
3	Q1236-05
PB166432BSD	PB166432BSD
4	Q1236-06
5	Q1236-07
5MS	Q1236-07MS
5MSD	Q1236-07MSD

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	01/30/25
Project:	1063 Lafayette Ave, Hawthorne, NJ	Date Received:	01/30/25
Client Sample ID:	1	SDG No.:	Q1236
Lab Sample ID:	Q1236-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	82.7
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_F2

Prep Date :	Date Analyzed :	Prep Batch ID
01/31/25 12:05	02/03/25 11:21	PB166432

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	4.82	J	1	2.08	4.84	mg/kg	FD049039.D
Total EPH	Total EPH	4.82	J		2.08	4.84	mg/kg	

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	01/30/25
Project:	1063 Lafayette Ave, Hawthorne, NJ	Date Received:	01/30/25
Client Sample ID:	1	SDG No.:	Q1236
Lab Sample ID:	Q1236-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	82.7
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049039.D	1	01/31/25	02/03/25	PB166432

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	4.82	J	2.08	4.84	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	12.0		2.17	2.41	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	30.9		40 - 140	62%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	37.4		40 - 140	75%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1236-03	Acq On:	03 Feb 2025 11:21
Client Sample ID:	1	Operator:	YP/AJ
Data file:	FD049039.D	Misc:	
Instrument:	FID_D	ALS Vial:	61
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.004	6.241	1260678	7.741	300	ug/ml
Aliphatic C12-C16	6.242	9.610	1375404	8.145	200	ug/ml
Aliphatic C16-C21	9.611	12.951	2719551	15.729	300	ug/ml
Aliphatic C21-C28	12.952	16.589	4747926	28.167	400	ug/ml
Aliphatic C28-C40	16.590	21.285	19583805	148.945	600	ug/ml
Aliphatic EPH	3.004	21.285	29687364	208.726		ug/ml
ortho-Terphenyl (SURR)	11.240	11.240	7225813	37.42		ug/ml
1-chlorooctadecane (SURR)	12.681	12.681	4539906	30.93		ug/ml
Aliphatic C9-C28	3.004	16.589	10103559	59.782	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD020325AL\
 Data File : FD049039.D
 Signal(s) : FID2B.ch
 Acq On : 03 Feb 2025 11:21
 Operator : YP/AJ
 Sample : Q1236-03
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 1

Integration File: autoint1.e
 Quant Time: Feb 04 01:14:14 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.M
 Quant Title : GC Extractables
 QLast Update : Sat Jan 25 05:57:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.240	7225813	37.421 ug/ml
Spiked Amount	50.000	Recovery	= 74.84%
12) S 1-chlorooctadecane (S...	12.681	4539906	30.929 ug/ml
Spiked Amount	50.000	Recovery	= 61.86%

Target Compounds

(f)=RT Delta > 1/2 Window

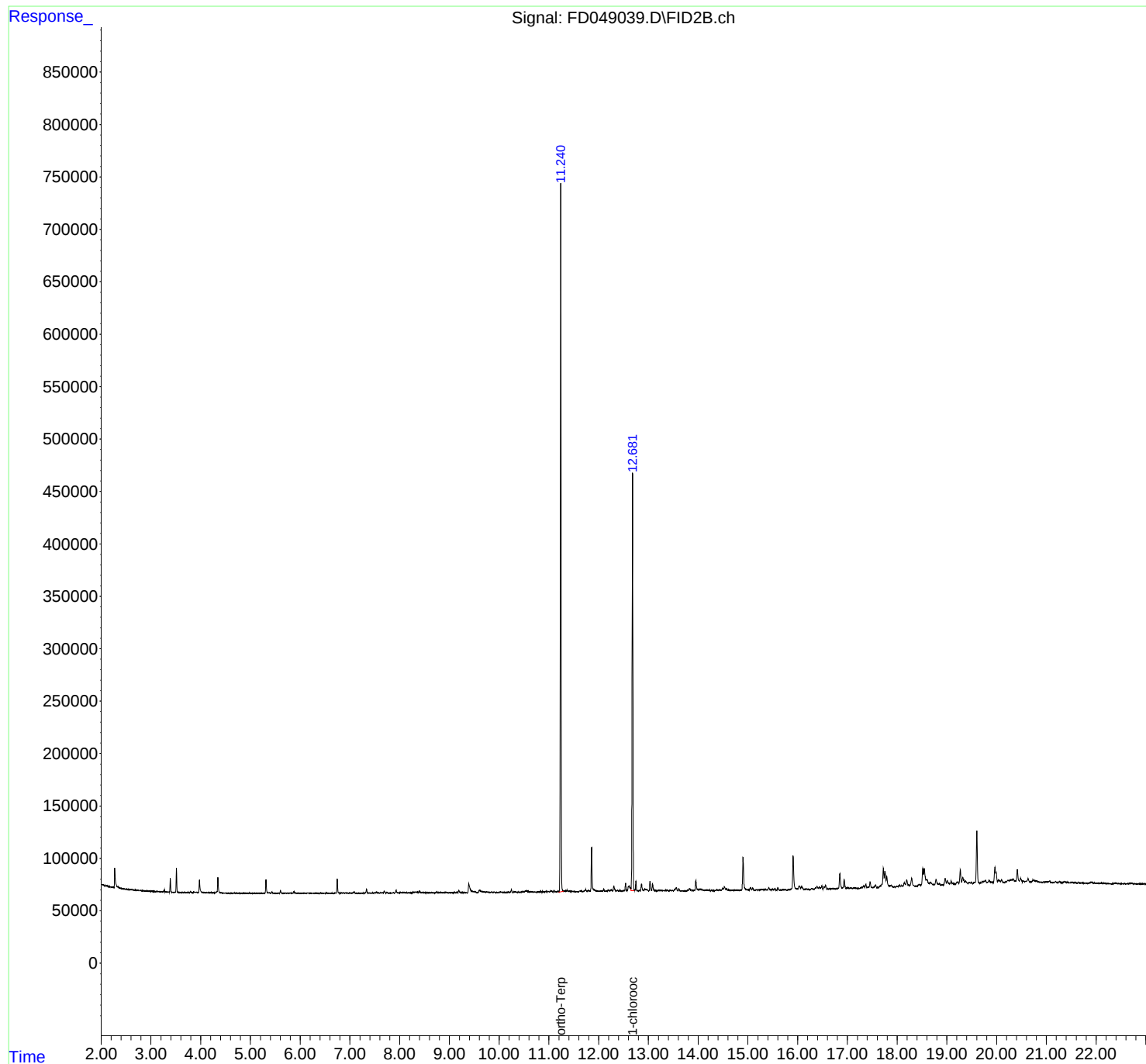
(m)=manual int.

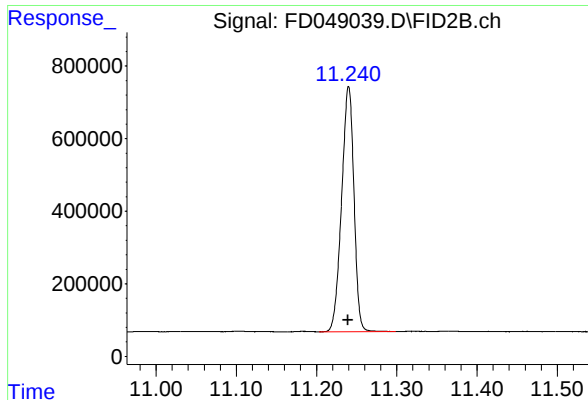
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD020325AL\
Data File : FD049039.D
Signal(s) : FID2B.ch
Acq On : 03 Feb 2025 11:21
Operator : YP/AJ
Sample : Q1236-03
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
1

Integration File: autoint1.e
Quant Time: Feb 04 01:14:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 05:57:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

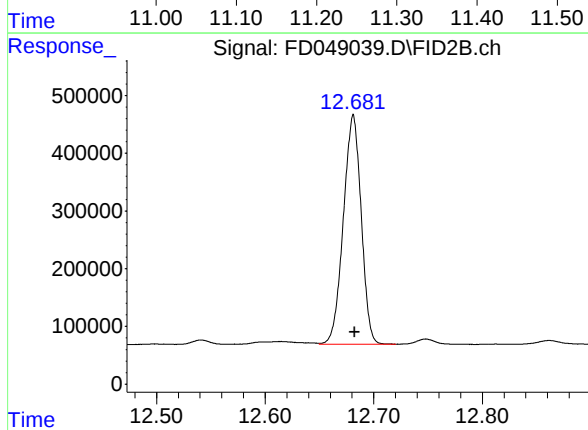




#9 ortho-Terphenyl (SURR)

R.T.: 11.240 min
Delta R.T.: 0.000 min
Response: 7225813
Conc: 37.42 ug/ml

Instrument :
FID_D
ClientSampleId :
1



#12 1-chlorooctadecane (SURR)

R.T.: 12.681 min
Delta R.T.: -0.001 min
Response: 4539906
Conc: 30.93 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD020325AL\
Data File : FD049039.D
Signal(s) : FID2B.ch
Acq On : 03 Feb 2025 11:21
Sample : Q1236-03
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.682	2.664	2.958	BV	85	11808	0.16%	0.025%
2	2.965	2.958	3.025	PV	74	3165	0.04%	0.007%
3	3.034	3.025	3.097	VV	175	5804	0.08%	0.012%
4	3.120	3.097	3.231	VV	498	16789	0.23%	0.036%
5	3.242	3.231	3.250	PV	191	1695	0.02%	0.004%
6	3.269	3.250	3.368	VV	1842	23134	0.32%	0.049%
7	3.389	3.368	3.491	VV	13239	119820	1.65%	0.254%
8	3.512	3.491	3.560	VV	23520	205783	2.83%	0.435%
9	3.571	3.560	3.598	VV	155	1918	0.03%	0.004%
10	3.611	3.598	3.658	PV	220	5412	0.07%	0.011%
11	3.664	3.658	3.681	VV	231	2493	0.03%	0.005%
12	3.710	3.681	3.728	VV	268	6070	0.08%	0.013%
13	3.746	3.728	3.755	VV	291	3539	0.05%	0.007%
14	3.770	3.755	3.780	VV	524	5155	0.07%	0.011%
15	3.795	3.780	3.834	VV	1556	18086	0.25%	0.038%
16	3.868	3.834	3.914	PV	677	24232	0.33%	0.051%
17	3.923	3.914	3.938	VV	690	7405	0.10%	0.016%
18	3.943	3.938	3.952	VV	410	3388	0.05%	0.007%
19	3.975	3.952	4.101	VV	12437	182935	2.52%	0.387%
20	4.107	4.101	4.139	VV	459	6802	0.09%	0.014%
21	4.158	4.139	4.191	VV	700	13532	0.19%	0.029%
22	4.207	4.191	4.241	VV	425	11233	0.15%	0.024%
23	4.257	4.241	4.299	VV	449	10108	0.14%	0.021%
24	4.346	4.299	4.479	VV	15137	202470	2.79%	0.428%
25	4.498	4.479	4.541	VV	235	4083	0.06%	0.009%
26	4.544	4.541	4.552	VV	139	512	0.01%	0.001%
27	4.575	4.552	4.585	PV	207	2269	0.03%	0.005%
28	4.596	4.585	4.631	VV	252	3416	0.05%	0.007%
29	4.641	4.631	4.654	PV	100	1188	0.02%	0.003%
30	4.681	4.654	4.710	VV	303	5798	0.08%	0.012%
31	4.721	4.710	4.748	VV	280	3916	0.05%	0.008%
32	4.776	4.748	4.792	VV	426	6479	0.09%	0.014%
33	4.802	4.792	4.812	PV	193	1419	0.02%	0.003%
34	4.821	4.812	4.829	VV	189	1267	0.02%	0.003%
35	4.839	4.829	4.865	VV	156	2420	0.03%	0.005%
36	4.904	4.865	4.924	VV	210	3772	0.05%	0.008%

					rteres			
37	4.935	4.924	4.942	VV	107	822	0.01%	0.002%
38	4.978	4.942	5.011	VV	260	6523	0.09%	0.014%
39	5.042	5.011	5.106	VV	376	11131	0.15%	0.024%
40	5.115	5.106	5.141	VV	265	3932	0.05%	0.008%
41	5.149	5.141	5.170	VV	198	2124	0.03%	0.004%
42	5.204	5.170	5.241	VV	193	4520	0.06%	0.010%
43	5.312	5.241	5.402	PV	13220	159685	2.20%	0.338%
44	5.431	5.402	5.502	VV	1496	30403	0.42%	0.064%
45	5.525	5.502	5.534	VV	304	3766	0.05%	0.008%
46	5.605	5.534	5.638	VV	2817	38290	0.53%	0.081%
47	5.644	5.638	5.654	VV	284	1617	0.02%	0.003%
48	5.663	5.654	5.698	VV	231	3789	0.05%	0.008%
49	5.713	5.698	5.744	VV	314	4183	0.06%	0.009%
50	5.751	5.744	5.764	VV	288	2086	0.03%	0.004%
51	5.805	5.764	5.832	VV	382	8671	0.12%	0.018%
52	5.842	5.832	5.848	VV	228	1831	0.03%	0.004%
53	5.874	5.848	5.954	VV	2107	33197	0.46%	0.070%
54	6.004	5.954	6.030	VV	299	6218	0.09%	0.013%
55	6.059	6.030	6.080	PV	325	5351	0.07%	0.011%
56	6.098	6.080	6.120	VV	188	3397	0.05%	0.007%
57	6.154	6.120	6.191	VV	500	10354	0.14%	0.022%
58	6.237	6.191	6.252	VV	236	4446	0.06%	0.009%
59	6.289	6.252	6.301	VV	333	5645	0.08%	0.012%
60	6.312	6.301	6.335	VV	325	4432	0.06%	0.009%
61	6.345	6.335	6.354	VV	218	1432	0.02%	0.003%
62	6.421	6.354	6.438	VV	345	11731	0.16%	0.025%
63	6.443	6.438	6.464	VV	301	3535	0.05%	0.007%
64	6.479	6.464	6.501	VV	323	5321	0.07%	0.011%
65	6.535	6.501	6.610	VV	384	14927	0.21%	0.032%
66	6.623	6.610	6.648	VV	276	4361	0.06%	0.009%
67	6.700	6.648	6.718	VV	353	9199	0.13%	0.019%
68	6.745	6.718	6.814	VV	14100	154223	2.12%	0.326%
69	6.833	6.814	6.887	VV	713	20211	0.28%	0.043%
70	6.896	6.887	6.905	VV	376	3935	0.05%	0.008%
71	6.911	6.905	6.933	VV	396	5863	0.08%	0.012%
72	6.953	6.933	6.970	VV	389	7118	0.10%	0.015%
73	6.997	6.970	7.006	VV	401	7928	0.11%	0.017%
74	7.016	7.006	7.041	VV	480	8641	0.12%	0.018%
75	7.045	7.041	7.053	VV	499	3088	0.04%	0.007%
76	7.086	7.053	7.121	VV	1583	29370	0.40%	0.062%
77	7.133	7.121	7.145	VV	170	1537	0.02%	0.003%
78	7.162	7.145	7.194	VV	114	3205	0.04%	0.007%
79	7.206	7.194	7.213	PV	178	1527	0.02%	0.003%
80	7.236	7.213	7.284	VV	328	9123	0.13%	0.019%
81	7.335	7.284	7.371	VV	4220	62175	0.86%	0.132%
82	7.390	7.371	7.418	VV	395	9299	0.13%	0.020%
83	7.451	7.418	7.470	VV	553	10859	0.15%	0.023%
84	7.485	7.470	7.508	VV	576	10527	0.14%	0.022%
85	7.527	7.508	7.572	VV	1174	25547	0.35%	0.054%
86	7.585	7.572	7.597	VV	490	6632	0.09%	0.014%
87	7.625	7.597	7.645	VV	719	13747	0.19%	0.029%
88	7.689	7.645	7.730	VV	2249	39159	0.54%	0.083%
89	7.750	7.730	7.769	VV	955	12465	0.17%	0.026%

					rteres			
90	7.782	7.769	7.816	VV	362	7009	0.10%	0.015%
91	7.871	7.816	7.894	VV	463	14245	0.20%	0.030%
92	7.928	7.894	7.991	VV	3139	52417	0.72%	0.111%
93	8.014	7.991	8.032	VV	840	12665	0.17%	0.027%
94	8.074	8.032	8.126	VV	1066	35148	0.48%	0.074%
95	8.137	8.126	8.184	VV	635	14226	0.20%	0.030%
96	8.192	8.184	8.248	VV	401	9605	0.13%	0.020%
97	8.275	8.248	8.293	VV	1132	19309	0.27%	0.041%
98	8.312	8.293	8.332	VV	1254	21973	0.30%	0.046%
99	8.348	8.332	8.374	VV	1131	22361	0.31%	0.047%
100	8.393	8.374	8.441	VV	1971	39064	0.54%	0.083%
101	8.455	8.441	8.490	VV	983	18888	0.26%	0.040%
102	8.510	8.490	8.544	VV	695	12710	0.17%	0.027%
103	8.553	8.544	8.561	VV	440	3301	0.05%	0.007%
104	8.572	8.561	8.594	VV	394	6553	0.09%	0.014%
105	8.610	8.594	8.631	VV	465	7650	0.11%	0.016%
106	8.650	8.631	8.682	VV	628	10801	0.15%	0.023%
107	8.745	8.682	8.768	VV	1525	26320	0.36%	0.056%
108	8.798	8.768	8.863	VV	525	22747	0.31%	0.048%
109	8.875	8.863	8.897	VV	456	7658	0.11%	0.016%
110	8.926	8.897	8.958	VV	796	18840	0.26%	0.040%
111	8.974	8.958	9.007	VV	299	6863	0.09%	0.015%
112	9.072	9.007	9.092	VV	491	16733	0.23%	0.035%
113	9.102	9.092	9.129	VV	375	7259	0.10%	0.015%
114	9.155	9.129	9.171	VV	943	15511	0.21%	0.033%
115	9.190	9.171	9.234	VV	2540	41526	0.57%	0.088%
116	9.251	9.234	9.323	VV	592	18164	0.25%	0.038%
117	9.341	9.323	9.366	VV	400	4826	0.07%	0.010%
118	9.391	9.366	9.492	PV	8928	230794	3.18%	0.488%
119	9.512	9.492	9.575	VV	1541	39630	0.55%	0.084%
120	9.599	9.575	9.690	VV	2512	103846	1.43%	0.220%
121	9.700	9.690	9.740	VV	895	23425	0.32%	0.050%
122	9.748	9.740	9.787	VV	765	16576	0.23%	0.035%
123	9.821	9.787	9.838	VV	649	14903	0.21%	0.032%
124	9.850	9.838	9.868	VV	634	9458	0.13%	0.020%
125	9.903	9.868	9.921	VV	666	15305	0.21%	0.032%
126	9.929	9.921	9.967	VV	494	10860	0.15%	0.023%
127	10.012	9.967	10.037	VV	671	19733	0.27%	0.042%
128	10.051	10.037	10.071	VV	597	8782	0.12%	0.019%
129	10.081	10.071	10.102	VV	473	6732	0.09%	0.014%
130	10.110	10.102	10.129	VV	425	3968	0.05%	0.008%
131	10.165	10.129	10.176	VV	379	8208	0.11%	0.017%
132	10.191	10.176	10.208	VV	675	8775	0.12%	0.019%
133	10.248	10.208	10.290	VV	3221	52078	0.72%	0.110%
134	10.343	10.290	10.369	VV	701	25164	0.35%	0.053%
135	10.383	10.369	10.415	VV	604	12448	0.17%	0.026%
136	10.466	10.415	10.482	VV	992	23866	0.33%	0.051%
137	10.491	10.482	10.506	VV	584	8247	0.11%	0.017%
138	10.528	10.506	10.538	VV	1766	24905	0.34%	0.053%
139	10.551	10.538	10.605	VV	1849	50255	0.69%	0.106%
140	10.635	10.605	10.698	VV	825	36450	0.50%	0.077%
141	10.716	10.698	10.742	VV	600	11842	0.16%	0.025%

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142	10.764	10.742	10.788	VV	747	12104	0.17%	0.026%
143	10.831	10.788	10.861	VV	1387	28454	0.39%	0.060%
144	10.875	10.861	10.914	VV	1214	21529	0.30%	0.046%
145	10.943	10.914	10.965	VV	1429	26369	0.36%	0.056%
146	10.984	10.965	11.008	VV	1212	20945	0.29%	0.044%
147	11.036	11.008	11.083	VV	1266	42334	0.58%	0.090%
148	11.104	11.083	11.125	VV	2102	31054	0.43%	0.066%
149	11.135	11.125	11.155	VV	884	12150	0.17%	0.026%
150	11.183	11.155	11.203	VV	1481	23064	0.32%	0.049%
151	11.240	11.203	11.300	VV	680665	7267843	100.00%	15.380%
152	11.319	11.300	11.345	VV	1512	35799	0.49%	0.076%
153	11.365	11.345	11.400	VV	2195	47626	0.66%	0.101%
154	11.415	11.400	11.439	VV	1272	22268	0.31%	0.047%
155	11.462	11.439	11.481	VV	1291	22952	0.32%	0.049%
156	11.498	11.481	11.547	VV	1035	27808	0.38%	0.059%
157	11.562	11.547	11.585	VV	777	10792	0.15%	0.023%
158	11.619	11.585	11.683	VV	1337	54922	0.76%	0.116%
159	11.741	11.683	11.768	VV	2671	70716	0.97%	0.150%
160	11.791	11.768	11.826	VV	1709	44902	0.62%	0.095%
161	11.859	11.826	12.023	VV	42933	630330	8.67%	1.334%
162	12.050	12.023	12.078	VV	1159	30174	0.42%	0.064%
163	12.102	12.078	12.129	VV	3186	49129	0.68%	0.104%
164	12.151	12.129	12.174	VV	1455	27950	0.38%	0.059%
165	12.193	12.174	12.213	VV	2123	36211	0.50%	0.077%
166	12.242	12.213	12.251	VV	2159	36062	0.50%	0.076%
167	12.259	12.251	12.281	VV	2116	29349	0.40%	0.062%
168	12.307	12.281	12.363	VV	5638	124838	1.72%	0.264%
169	12.379	12.363	12.414	VV	1809	37281	0.51%	0.079%
170	12.427	12.414	12.463	VV	1864	34347	0.47%	0.073%
171	12.499	12.463	12.517	VV	1653	36954	0.51%	0.078%
172	12.541	12.517	12.568	VV	8421	112649	1.55%	0.238%
173	12.614	12.568	12.648	VV	5939	188711	2.60%	0.399%
174	12.681	12.648	12.722	VV	397625	4596627	63.25%	9.727%
175	12.748	12.722	12.794	VV	10265	152337	2.10%	0.322%
176	12.813	12.794	12.827	VV	1356	23062	0.32%	0.049%
177	12.862	12.827	12.906	VV	7557	147859	2.03%	0.313%
178	12.925	12.906	12.963	VV	2765	74540	1.03%	0.158%
179	12.973	12.963	13.011	VV	2202	43776	0.60%	0.093%
180	13.034	13.011	13.062	VV	10452	140788	1.94%	0.298%
181	13.084	13.062	13.158	VV	7725	151610	2.09%	0.321%
182	13.191	13.158	13.202	VV	1312	29092	0.40%	0.062%
183	13.238	13.202	13.291	VV	1589	66832	0.92%	0.141%
184	13.311	13.291	13.325	VV	1066	19670	0.27%	0.042%
185	13.351	13.325	13.381	VV	1519	42732	0.59%	0.090%
186	13.386	13.381	13.409	VV	1380	17824	0.25%	0.038%
187	13.434	13.409	13.450	VV	1690	28422	0.39%	0.060%
188	13.476	13.450	13.500	VV	1442	36993	0.51%	0.078%
189	13.561	13.500	13.594	VV	4039	118756	1.63%	0.251%
190	13.612	13.594	13.668	VV	2840	57204	0.79%	0.121%
191	13.691	13.668	13.741	VV	939	30615	0.42%	0.065%
192	13.789	13.741	13.800	VV	1336	30840	0.42%	0.065%
193	13.823	13.800	13.850	VV	3067	63655	0.88%	0.135%
194	13.861	13.850	13.898	VV	1820	38350	0.53%	0.081%

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195	13.953	13.898	14.008	VV	10932	217917	3.00%	0.461%
196	14.059	14.008	14.114	VV	2403	117100	1.61%	0.248%
197	14.135	14.114	14.144	VV	1254	20166	0.28%	0.043%
198	14.166	14.144	14.201	VV	1706	46107	0.63%	0.098%
199	14.223	14.201	14.256	VV	1527	39200	0.54%	0.083%
200	14.272	14.256	14.311	VV	940	27675	0.38%	0.059%
201	14.376	14.311	14.410	VV	1786	62445	0.86%	0.132%
202	14.427	14.410	14.447	VV	1809	30197	0.42%	0.064%
203	14.491	14.447	14.506	VV	3102	66471	0.91%	0.141%
204	14.526	14.506	14.558	VV	4559	95835	1.32%	0.203%
205	14.570	14.558	14.594	VV	2578	44379	0.61%	0.094%
206	14.605	14.594	14.668	VV	1547	50294	0.69%	0.106%
207	14.699	14.668	14.731	VV	1185	36953	0.51%	0.078%
208	14.753	14.731	14.818	VV	1227	55464	0.76%	0.117%
209	14.851	14.818	14.868	VV	1264	34077	0.47%	0.072%
210	14.902	14.868	14.978	VV	32420	535387	7.37%	1.133%
211	14.997	14.978	15.021	VV	1587	36245	0.50%	0.077%
212	15.052	15.021	15.074	VV	3233	71361	0.98%	0.151%
213	15.093	15.074	15.125	VV	3313	61492	0.85%	0.130%
214	15.169	15.125	15.194	VV	1449	47290	0.65%	0.100%
215	15.216	15.194	15.247	VV	1404	40650	0.56%	0.086%
216	15.262	15.247	15.278	VV	1724	27404	0.38%	0.058%
217	15.293	15.278	15.327	VV	1689	44065	0.61%	0.093%
218	15.341	15.327	15.390	VV	1602	53244	0.73%	0.113%
219	15.419	15.390	15.472	VV	3360	92232	1.27%	0.195%
220	15.504	15.472	15.521	VV	1791	42769	0.59%	0.091%
221	15.542	15.521	15.573	VV	2502	52205	0.72%	0.110%
222	15.603	15.573	15.651	VV	3021	73996	1.02%	0.157%
223	15.660	15.651	15.670	VV	1077	11772	0.16%	0.025%
224	15.755	15.670	15.790	VV	1309	81886	1.13%	0.173%
225	15.821	15.790	15.831	VV	1470	29076	0.40%	0.062%
226	15.908	15.831	15.997	VV	33428	646227	8.89%	1.368%
227	16.033	15.997	16.058	VV	4661	125650	1.73%	0.266%
228	16.078	16.058	16.131	VV	3927	120528	1.66%	0.255%
229	16.183	16.131	16.244	VV	1932	110932	1.53%	0.235%
230	16.281	16.244	16.328	VV	2390	90813	1.25%	0.192%
231	16.388	16.328	16.412	VV	4355	146007	2.01%	0.309%
232	16.432	16.412	16.461	VV	3294	83836	1.15%	0.177%
233	16.487	16.461	16.510	VV	4600	96907	1.33%	0.205%
234	16.531	16.510	16.543	VV	4278	65938	0.91%	0.140%
235	16.560	16.543	16.591	VV	5507	98575	1.36%	0.209%
236	16.605	16.591	16.624	VV	1820	34270	0.47%	0.073%
237	16.643	16.624	16.664	VV	1877	43859	0.60%	0.093%
238	16.696	16.664	16.714	VV	2200	60254	0.83%	0.128%
239	16.723	16.714	16.764	VV	2047	54786	0.75%	0.116%
240	16.846	16.764	16.901	VV	16392	402235	5.53%	0.851%
241	16.934	16.901	16.978	VV	10581	227226	3.13%	0.481%
242	16.996	16.978	17.004	VV	2899	42625	0.59%	0.090%
243	17.016	17.004	17.040	VV	3079	57556	0.79%	0.122%
244	17.073	17.040	17.098	VV	2806	84370	1.16%	0.179%
245	17.108	17.098	17.120	VV	2348	29957	0.41%	0.063%
246	17.147	17.120	17.192	VV	2635	101475	1.40%	0.215%

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247	17.217	17.192	17.246	VV	2505	71733	0.99%	0.152%
248	17.296	17.246	17.305	VV	3400	93109	1.28%	0.197%
249	17.329	17.305	17.348	VV	4758	101516	1.40%	0.215%
250	17.369	17.348	17.394	VV	6226	119020	1.64%	0.252%
251	17.414	17.394	17.431	VV	3358	68895	0.95%	0.146%
252	17.456	17.431	17.512	VV	8310	212584	2.92%	0.450%
253	17.565	17.512	17.592	VV	5540	179038	2.46%	0.379%
254	17.661	17.592	17.670	VV	4340	157431	2.17%	0.333%
255	17.722	17.670	17.739	VV	21145	437290	6.02%	0.925%
256	17.754	17.739	17.775	VV	18291	315128	4.34%	0.667%
257	17.790	17.775	17.860	VV	13562	361497	4.97%	0.765%
258	17.881	17.860	17.922	VV	4968	155628	2.14%	0.329%
259	17.932	17.922	17.945	VV	3435	45910	0.63%	0.097%
260	17.955	17.945	17.966	VV	3350	40654	0.56%	0.086%
261	17.998	17.966	18.014	VV	3950	103717	1.43%	0.219%
262	18.046	18.014	18.080	VV	4807	168498	2.32%	0.357%
263	18.098	18.080	18.114	VV	4315	83820	1.15%	0.177%
264	18.145	18.114	18.167	VV	7278	182166	2.51%	0.385%
265	18.192	18.167	18.254	VV	9964	335524	4.62%	0.710%
266	18.291	18.254	18.358	VV	11642	396808	5.46%	0.840%
267	18.368	18.358	18.408	VV	4090	121593	1.67%	0.257%
268	18.453	18.408	18.478	VV	5533	211239	2.91%	0.447%
269	18.514	18.478	18.528	VV	20870	376025	5.17%	0.796%
270	18.543	18.528	18.580	VV	20695	470163	6.47%	0.995%
271	18.592	18.580	18.644	VV	10452	323054	4.44%	0.684%
272	18.674	18.644	18.719	VV	7665	291484	4.01%	0.617%
273	18.739	18.719	18.751	VV	5559	104353	1.44%	0.221%
274	18.781	18.751	18.838	VV	10278	362635	4.99%	0.767%
275	18.851	18.838	18.874	VV	6266	124110	1.71%	0.263%
276	18.903	18.874	18.920	VV	5182	138211	1.90%	0.292%
277	18.964	18.920	18.988	VV	11314	313432	4.31%	0.663%
278	19.007	18.988	19.060	VV	9025	301867	4.15%	0.639%
279	19.083	19.060	19.104	VV	8317	184731	2.54%	0.391%
280	19.118	19.104	19.141	VV	6572	139090	1.91%	0.294%
281	19.153	19.141	19.172	VV	5907	106047	1.46%	0.224%
282	19.201	19.172	19.239	VV	7708	273155	3.76%	0.578%
283	19.269	19.239	19.295	VV	19440	395207	5.44%	0.836%
284	19.319	19.295	19.363	VV	12181	391850	5.39%	0.829%
285	19.378	19.363	19.417	VV	8333	242868	3.34%	0.514%
286	19.451	19.417	19.472	VV	7334	226259	3.11%	0.479%
287	19.481	19.472	19.487	VV	6982	64483	0.89%	0.136%
288	19.495	19.487	19.518	VV	7010	120655	1.66%	0.255%
289	19.601	19.518	19.682	VV	56401	1357758	18.68%	2.873%
290	19.712	19.682	19.731	VV	8437	223798	3.08%	0.474%
291	19.749	19.731	19.759	VV	8301	136454	1.88%	0.289%
292	19.776	19.759	19.813	VV	9357	256810	3.53%	0.543%
293	19.847	19.813	19.884	VV	9037	337376	4.64%	0.714%
294	19.893	19.884	19.930	VV	7333	198979	2.74%	0.421%
295	19.965	19.930	20.017	VV	21670	710466	9.78%	1.503%
296	20.038	20.017	20.078	VV	9611	318423	4.38%	0.674%
297	20.099	20.078	20.158	VV	9631	378227	5.20%	0.800%
298	20.227	20.158	20.244	VV	9301	414617	5.70%	0.877%
299	20.296	20.244	20.308	VV	9453	349367	4.81%	0.739%

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300	20.333	20.308	20.379	VV	10254	388221	5.34%	0.822%
301	20.416	20.379	20.454	VV	18965	532788	7.33%	1.127%
302	20.481	20.454	20.518	VV	10615	347826	4.79%	0.736%
303	20.538	20.518	20.565	VV	8252	228049	3.14%	0.483%
304	20.631	20.565	20.694	VV	10332	632715	8.71%	1.339%
305	20.733	20.694	20.758	VV	9298	321862	4.43%	0.681%
306	20.774	20.758	20.784	VV	8486	131562	1.81%	0.278%
307	20.800	20.784	20.908	VV	8476	556511	7.66%	1.178%
308	20.953	20.908	20.964	VV	7213	237805	3.27%	0.503%
309	20.987	20.964	21.014	VV	7380	216520	2.98%	0.458%
310	21.063	21.014	21.108	VV	8070	412572	5.68%	0.873%
311	21.121	21.108	21.132	VV	6873	95771	1.32%	0.203%
312	21.141	21.132	21.153	VV	6591	81165	1.12%	0.172%
313	21.185	21.153	21.234	VV	7542	337202	4.64%	0.714%
314	21.266	21.234	21.315	VV	7347	329871	4.54%	0.698%
315	21.365	21.315	21.461	VV	7140	588753	8.10%	1.246%
316	21.502	21.461	21.530	VV	6891	270335	3.72%	0.572%
317	21.539	21.530	21.567	VV	6524	141501	1.95%	0.299%
318	21.578	21.567	21.589	VV	6335	82336	1.13%	0.174%
319	21.599	21.589	21.628	VV	6258	143856	1.98%	0.304%
320	21.639	21.628	21.681	VV	6368	195477	2.69%	0.414%
321	21.714	21.681	21.789	VV	6424	388834	5.35%	0.823%
322	21.793	21.789	21.834	VV	5841	155872	2.14%	0.330%
323	21.910	21.834	21.985	VV	6750	549952	7.57%	1.164%
324	21.993	21.985	22.059	VV	5883	254196	3.50%	0.538%
325	22.072	22.059	22.087	VV	5768	93627	1.29%	0.198%
326	22.104	22.087	22.118	VV	5714	104618	1.44%	0.221%
327	22.122	22.118	22.151	VV	5724	112354	1.55%	0.238%
328	22.172	22.151	22.219	VV	5615	221767	3.05%	0.469%
329	22.227	22.219	22.254	VV	5390	110737	1.52%	0.234%
330	22.265	22.254	22.291	VV	5332	116007	1.60%	0.245%
331	22.297	22.291	22.314	VV	5200	70625	0.97%	0.149%
332	22.383	22.314	22.469	VV	5704	495059	6.81%	1.048%
333	22.476	22.469	22.501	VV	5213	97707	1.34%	0.207%
334	22.511	22.501	22.521	VV	5181	62377	0.86%	0.132%
335	22.532	22.521	22.547	VV	5109	76759	1.06%	0.162%
336	22.558	22.547	22.618	VV	5160	213993	2.94%	0.453%
337	22.671	22.618	22.718	VV	5647	318065	4.38%	0.673%
338	22.728	22.718	22.745	VV	5206	82265	1.13%	0.174%
339	22.760	22.745	22.771	VV	5122	80335	1.11%	0.170%
340	22.781	22.771	22.794	VV	5019	67872	0.93%	0.144%
341	22.798	22.794	22.811	VV	5021	49229	0.68%	0.104%
342	22.820	22.811	22.888	VV	4979	222624	3.06%	0.471%
343	22.899	22.888	22.915	VV	4955	80923	1.11%	0.171%
344	22.925	22.915	22.931	VV	4862	44643	0.61%	0.094%
345	22.941	22.931	22.985	VV	4879	154110	2.12%	0.326%
346	22.994	22.985	22.998	VBA	4866	42304	0.58%	0.090%
Sum of corrected areas:						47255928		

Aliphatic EPH 012425.M Tue Feb 04 01:41:08 2025

Report of Analysis

Client:	Sciaccia General Contractors, LLC	Date Collected:	01/30/25
Project:	1063 Lafayette Ave, Hawthorne, NJ	Date Received:	01/30/25
Client Sample ID:	2	SDG No.:	Q1236
Lab Sample ID:	Q1236-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	81.7
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
01/31/25 12:05	02/03/25 11:57	PB166432

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	8.19		1	2.10	4.88	mg/kg	FD049040.D
Total EPH	Total EPH	8.19			2.10	4.88	mg/kg	

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	01/30/25
Project:	1063 Lafayette Ave, Hawthorne, NJ	Date Received:	01/30/25
Client Sample ID:	2	SDG No.:	Q1236
Lab Sample ID:	Q1236-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	81.7
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049040.D	1	01/31/25	02/03/25	PB166432

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	8.19		2.10	4.88	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	7.22		2.20	2.44	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.4		40 - 140	73%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	45.9		40 - 140	92%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1236-04	Acq On:	03 Feb 2025 11:57
Client Sample ID:	2	Operator:	YP/AJ
Data file:	FD049040.D	Misc:	
Instrument:	FID_D	ALS Vial:	62
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.004	6.241	1506232	9.248	300	ug/ml
Aliphatic C12-C16	6.242	9.610	1265522	7.494	200	ug/ml
Aliphatic C16-C21	9.611	12.951	11371341	65.767	300	ug/ml
Aliphatic C21-C28	12.952	16.589	3073117	18.231	400	ug/ml
Aliphatic C28-C40	16.590	21.285	11668464	88.745	600	ug/ml
Aliphatic EPH	3.004	21.285	28884676	189.486		ug/ml
ortho-Terphenyl (SURR)	11.241	11.241	8869975	45.94		ug/ml
1-chlorooctadecane (SURR)	12.681	12.681	5338278	36.37		ug/ml
Aliphatic C9-C28	3.004	16.589	17216212	100.74	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD020325AL\
Data File : FD049040.D
Signal(s) : FID2B.ch
Acq On : 03 Feb 2025 11:57
Operator : YP/AJ
Sample : Q1236-04
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
2

Integration File: autoint1.e
Quant Time: Feb 04 01:14:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 05:57:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.241	8869975	45.936 ug/ml
Spiked Amount	50.000	Recovery	= 91.87%
12) S 1-chlorooctadecane (S...	12.681	5338278	36.368 ug/ml
Spiked Amount	50.000	Recovery	= 72.74%

Target Compounds

(f)=RT Delta > 1/2 Window

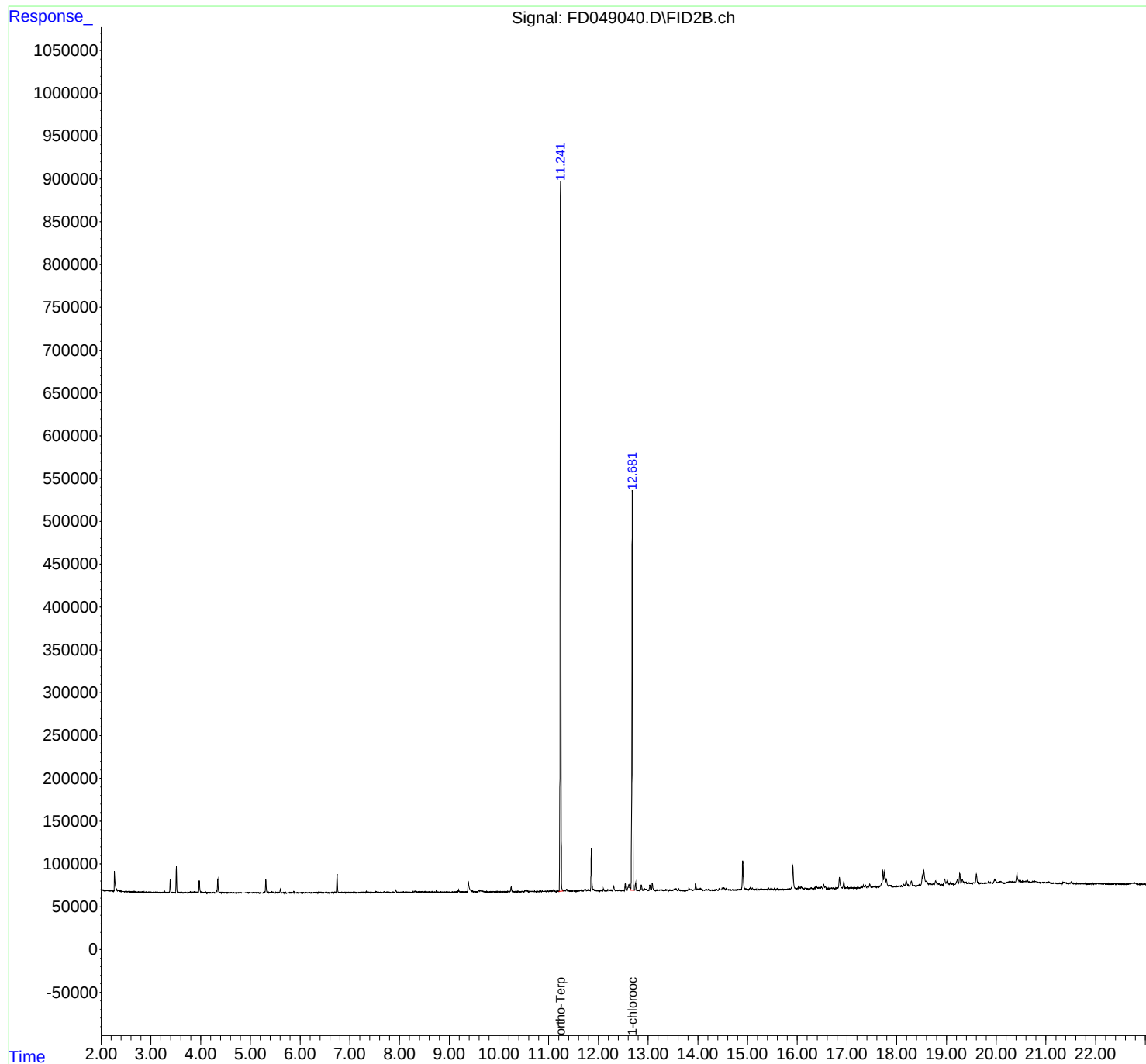
(m)=manual int.

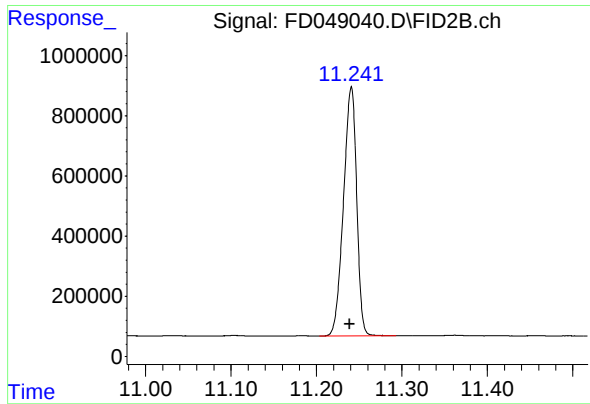
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD020325AL\
Data File : FD049040.D
Signal(s) : FID2B.ch
Acq On : 03 Feb 2025 11:57
Operator : YP/AJ
Sample : Q1236-04
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
2

Integration File: autoint1.e
Quant Time: Feb 04 01:14:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 05:57:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

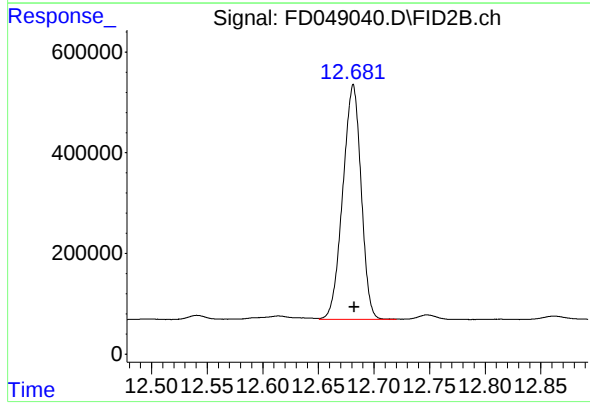




#9 ortho-Terphenyl (SURR)

R.T.: 11.241 min
Delta R.T.: 0.002 min
Response: 8869975
Conc: 45.94 ug/ml

Instrument :
FID_D
ClientSampleId :
2



#12 1-chlorooctadecane (SURR)

R.T.: 12.681 min
Delta R.T.: -0.001 min
Response: 5338278
Conc: 36.37 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD020325AL\
Data File : FD049040.D
Signal(s) : FID2B.ch
Acq On : 03 Feb 2025 11:57
Sample : Q1236-04
Misc :
ALS Vial : 62 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.745	2.698	2.794	BV	225	4357	0.05%	0.012%
2	2.806	2.794	2.834	VV	192	2465	0.03%	0.007%
3	2.844	2.834	2.918	VV	236	1957	0.02%	0.005%
4	2.925	2.918	2.938	PV	121	1227	0.01%	0.003%
5	2.946	2.938	2.967	VV	232	2444	0.03%	0.007%
6	2.985	2.967	3.044	PV	176	3366	0.04%	0.009%
7	3.054	3.044	3.078	PV	85	1521	0.02%	0.004%
8	3.091	3.078	3.101	VV	263	1922	0.02%	0.005%
9	3.111	3.101	3.165	VV	202	3432	0.04%	0.010%
10	3.175	3.165	3.211	VV	121	1690	0.02%	0.005%
11	3.268	3.211	3.299	PV	2413	24301	0.27%	0.068%
12	3.326	3.299	3.351	VV	266	3665	0.04%	0.010%
13	3.389	3.351	3.424	VV	16147	140950	1.58%	0.394%
14	3.433	3.424	3.488	VV	323	6185	0.07%	0.017%
15	3.512	3.488	3.549	VV	30465	265457	2.98%	0.743%
16	3.570	3.549	3.657	VV	399	17071	0.19%	0.048%
17	3.672	3.657	3.684	VV	229	2247	0.03%	0.006%
18	3.696	3.684	3.728	VV	224	4380	0.05%	0.012%
19	3.744	3.728	3.780	VV	418	6682	0.08%	0.019%
20	3.796	3.780	3.828	PV	1651	16289	0.18%	0.046%
21	3.849	3.828	3.864	VV	865	15622	0.18%	0.044%
22	3.873	3.864	3.917	VV	951	22336	0.25%	0.062%
23	3.927	3.917	3.950	VV	596	11016	0.12%	0.031%
24	3.973	3.950	4.087	VV	14466	185345	2.08%	0.519%
25	4.106	4.087	4.134	VV	584	8872	0.10%	0.025%
26	4.155	4.134	4.191	VV	332	6498	0.07%	0.018%
27	4.258	4.191	4.268	VV	335	8723	0.10%	0.024%
28	4.274	4.268	4.290	VV	291	2511	0.03%	0.007%
29	4.319	4.290	4.326	VV	2027	21120	0.24%	0.059%
30	4.344	4.326	4.414	VV	15973	180216	2.03%	0.504%
31	4.439	4.414	4.458	VV	403	8282	0.09%	0.023%
32	4.469	4.458	4.486	VV	347	4564	0.05%	0.013%
33	4.496	4.486	4.509	VV	350	3856	0.04%	0.011%
34	4.532	4.509	4.548	VV	292	5421	0.06%	0.015%
35	4.559	4.548	4.589	VV	334	6629	0.07%	0.019%
36	4.604	4.589	4.634	VV	242	5314	0.06%	0.015%

					rteres			
37	4.676	4.634	4.686	VV	338	6858	0.08%	0.019%
38	4.757	4.686	4.785	VV	368	12683	0.14%	0.035%
39	4.810	4.785	4.877	VV	319	8593	0.10%	0.024%
40	4.891	4.877	4.906	VV	96	1524	0.02%	0.004%
41	4.949	4.906	4.960	VV	344	6988	0.08%	0.020%
42	4.971	4.960	5.010	VV	374	7029	0.08%	0.020%
43	5.045	5.010	5.108	VV	495	16481	0.19%	0.046%
44	5.132	5.108	5.181	VV	481	10094	0.11%	0.028%
45	5.191	5.181	5.219	PV	155	2453	0.03%	0.007%
46	5.232	5.219	5.245	VV	170	1083	0.01%	0.003%
47	5.311	5.245	5.347	VV	15805	179745	2.02%	0.503%
48	5.360	5.347	5.388	VV	885	17268	0.19%	0.048%
49	5.430	5.388	5.504	VV	1891	49040	0.55%	0.137%
50	5.525	5.504	5.554	VV	585	12896	0.14%	0.036%
51	5.604	5.554	5.659	VV	4691	69871	0.79%	0.195%
52	5.675	5.659	5.706	VV	742	10155	0.11%	0.028%
53	5.714	5.706	5.727	VV	241	1414	0.02%	0.004%
54	5.781	5.727	5.812	PV	609	14247	0.16%	0.040%
55	5.833	5.812	5.848	VV	346	3937	0.04%	0.011%
56	5.874	5.848	5.920	VV	2150	31465	0.35%	0.088%
57	5.931	5.920	5.977	VV	389	9290	0.10%	0.026%
58	5.994	5.977	6.059	VV	386	13752	0.15%	0.038%
59	6.069	6.059	6.074	VV	361	2362	0.03%	0.007%
60	6.082	6.074	6.131	VV	441	8341	0.09%	0.023%
61	6.148	6.131	6.192	VV	388	9724	0.11%	0.027%
62	6.200	6.192	6.208	VV	185	1509	0.02%	0.004%
63	6.234	6.208	6.251	VV	238	5313	0.06%	0.015%
64	6.273	6.251	6.356	VV	513	22090	0.25%	0.062%
65	6.366	6.356	6.375	VV	381	3333	0.04%	0.009%
66	6.394	6.375	6.442	VV	422	13323	0.15%	0.037%
67	6.464	6.442	6.499	VV	497	10899	0.12%	0.030%
68	6.526	6.499	6.567	VV	353	10257	0.12%	0.029%
69	6.598	6.567	6.614	VV	362	6022	0.07%	0.017%
70	6.648	6.614	6.671	VV	393	9440	0.11%	0.026%
71	6.688	6.671	6.708	VV	321	6121	0.07%	0.017%
72	6.745	6.708	6.799	VV	21859	226802	2.55%	0.635%
73	6.833	6.799	6.860	VV	766	15900	0.18%	0.044%
74	6.898	6.860	6.946	VV	448	16894	0.19%	0.047%
75	6.958	6.946	7.000	VV	434	9652	0.11%	0.027%
76	7.068	7.000	7.133	VV	838	29110	0.33%	0.081%
77	7.147	7.133	7.193	VV	260	4586	0.05%	0.013%
78	7.208	7.193	7.218	VV	281	3054	0.03%	0.009%
79	7.225	7.218	7.258	VV	272	4767	0.05%	0.013%
80	7.281	7.258	7.305	VV	440	9328	0.10%	0.026%
81	7.334	7.305	7.418	VV	1552	31207	0.35%	0.087%
82	7.485	7.418	7.498	PV	566	13871	0.16%	0.039%
83	7.524	7.498	7.573	VV	1395	31515	0.35%	0.088%
84	7.588	7.573	7.600	VV	422	4829	0.05%	0.014%
85	7.624	7.600	7.661	VV	697	12940	0.15%	0.036%
86	7.689	7.661	7.730	VV	1317	22761	0.26%	0.064%
87	7.748	7.730	7.774	VV	767	10091	0.11%	0.028%
88	7.789	7.774	7.807	VV	408	5176	0.06%	0.014%
89	7.926	7.807	7.998	VV	3055	62397	0.70%	0.175%

					rteres			
90	8.013	7.998	8.043	VV	668	9007	0.10%	0.025%
91	8.073	8.043	8.114	VV	707	19318	0.22%	0.054%
92	8.121	8.114	8.131	VV	391	3237	0.04%	0.009%
93	8.157	8.131	8.211	VV	534	13615	0.15%	0.038%
94	8.218	8.211	8.246	VV	286	3641	0.04%	0.010%
95	8.271	8.246	8.290	VV	1005	17343	0.19%	0.049%
96	8.310	8.290	8.381	VV	1735	46247	0.52%	0.129%
97	8.393	8.381	8.404	VV	1145	12058	0.14%	0.034%
98	8.415	8.404	8.437	VV	800	12393	0.14%	0.035%
99	8.454	8.437	8.483	VV	1033	17322	0.19%	0.048%
100	8.504	8.483	8.546	VV	684	15820	0.18%	0.044%
101	8.566	8.546	8.628	VV	506	18538	0.21%	0.052%
102	8.652	8.628	8.667	VV	440	6310	0.07%	0.018%
103	8.698	8.667	8.721	VV	346	7602	0.09%	0.021%
104	8.744	8.721	8.787	VV	1893	27108	0.30%	0.076%
105	8.816	8.787	8.846	VV	724	11763	0.13%	0.033%
106	8.932	8.846	8.954	VV	646	11599	0.13%	0.032%
107	8.976	8.954	9.030	PV	321	8092	0.09%	0.023%
108	9.069	9.030	9.082	VV	340	6042	0.07%	0.017%
109	9.114	9.082	9.139	VV	391	9992	0.11%	0.028%
110	9.189	9.139	9.232	VV	2273	40163	0.45%	0.112%
111	9.244	9.232	9.274	VV	309	4947	0.06%	0.014%
112	9.291	9.274	9.321	VV	304	3692	0.04%	0.010%
113	9.344	9.321	9.361	PV	394	5049	0.06%	0.014%
114	9.385	9.361	9.488	VV	11527	254661	2.86%	0.712%
115	9.512	9.488	9.531	VV	890	19059	0.21%	0.053%
116	9.540	9.531	9.561	VV	509	7666	0.09%	0.021%
117	9.563	9.561	9.579	VV	518	3750	0.04%	0.010%
118	9.601	9.579	9.642	VV	2065	53123	0.60%	0.149%
119	9.655	9.642	9.730	VV	1382	40731	0.46%	0.114%
120	9.744	9.730	9.798	VV	556	14656	0.16%	0.041%
121	9.815	9.798	9.838	VV	374	6994	0.08%	0.020%
122	9.853	9.838	9.886	VV	527	9496	0.11%	0.027%
123	9.898	9.886	9.910	VV	319	2999	0.03%	0.008%
124	9.938	9.910	10.001	VV	417	16423	0.18%	0.046%
125	10.015	10.001	10.038	VV	391	6458	0.07%	0.018%
126	10.061	10.038	10.069	VV	392	5701	0.06%	0.016%
127	10.075	10.069	10.130	VV	372	5474	0.06%	0.015%
128	10.146	10.130	10.161	VV	302	4059	0.05%	0.011%
129	10.191	10.161	10.215	VV	533	10813	0.12%	0.030%
130	10.246	10.215	10.279	VV	6056	76308	0.86%	0.213%
131	10.307	10.279	10.322	VV	591	10141	0.11%	0.028%
132	10.341	10.322	10.364	VV	418	7896	0.09%	0.022%
133	10.383	10.364	10.424	VV	394	9037	0.10%	0.025%
134	10.430	10.424	10.440	VV	327	1675	0.02%	0.005%
135	10.464	10.440	10.504	VV	623	11616	0.13%	0.032%
136	10.544	10.504	10.621	VV	1980	61074	0.69%	0.171%
137	10.635	10.621	10.649	VV	442	6537	0.07%	0.018%
138	10.665	10.649	10.699	VV	427	9469	0.11%	0.026%
139	10.716	10.699	10.741	VV	666	9201	0.10%	0.026%
140	10.762	10.741	10.804	VV	756	10863	0.12%	0.030%
141	10.829	10.804	10.854	VV	2082	25704	0.29%	0.072%

					rteres			
142	10.873	10.854	10.885	VV	496	5819	0.07%	0.016%
143	10.901	10.885	10.928	VV	561	10769	0.12%	0.030%
144	10.942	10.928	10.959	VV	513	5847	0.07%	0.016%
145	10.979	10.959	11.005	VV	1424	17820	0.20%	0.050%
146	11.031	11.005	11.079	VV	1083	27795	0.31%	0.078%
147	11.104	11.079	11.123	VV	2001	25479	0.29%	0.071%
148	11.131	11.123	11.161	VV	562	5795	0.07%	0.016%
149	11.182	11.161	11.203	VV	999	12198	0.14%	0.034%
150	11.240	11.203	11.295	VV	833135	8894357	100.00%	24.883%
151	11.313	11.295	11.341	VV	1358	29524	0.33%	0.083%
152	11.361	11.341	11.399	VV	2768	51981	0.58%	0.145%
153	11.413	11.399	11.435	VV	1046	15532	0.17%	0.043%
154	11.460	11.435	11.477	VV	996	15588	0.18%	0.044%
155	11.494	11.477	11.525	VV	632	11037	0.12%	0.031%
156	11.564	11.525	11.589	VV	198	6620	0.07%	0.019%
157	11.641	11.589	11.670	VV	1698	39135	0.44%	0.109%
158	11.715	11.670	11.727	VV	2032	37755	0.42%	0.106%
159	11.740	11.727	11.761	VV	2549	33961	0.38%	0.095%
160	11.781	11.761	11.814	VV	1519	39044	0.44%	0.109%
161	11.860	11.814	12.021	VV	50132	697272	7.84%	1.951%
162	12.048	12.021	12.080	VV	1048	23737	0.27%	0.066%
163	12.103	12.080	12.134	VV	2752	39667	0.45%	0.111%
164	12.152	12.134	12.169	VV	975	15196	0.17%	0.043%
165	12.191	12.169	12.212	VV	1830	31584	0.36%	0.088%
166	12.261	12.212	12.279	VV	1797	45965	0.52%	0.129%
167	12.306	12.279	12.348	VV	5566	102484	1.15%	0.287%
168	12.380	12.348	12.406	VV	1461	31323	0.35%	0.088%
169	12.425	12.406	12.473	VV	1583	31473	0.35%	0.088%
170	12.497	12.473	12.517	VV	1528	26754	0.30%	0.075%
171	12.541	12.517	12.566	VV	8777	110847	1.25%	0.310%
172	12.614	12.566	12.648	VV	7640	195016	2.19%	0.546%
173	12.681	12.648	12.724	VV	466143	5393202	60.64%	15.088%
174	12.748	12.724	12.788	VV	9775	127746	1.44%	0.357%
175	12.813	12.788	12.830	VV	1199	20015	0.23%	0.056%
176	12.862	12.830	12.899	VV	7193	121464	1.37%	0.340%
177	12.924	12.899	12.941	VV	2818	48128	0.54%	0.135%
178	12.950	12.941	13.011	VV	1980	53289	0.60%	0.149%
179	13.035	13.011	13.058	VV	7291	93075	1.05%	0.260%
180	13.082	13.058	13.155	VV	9015	151005	1.70%	0.422%
181	13.236	13.155	13.261	VV	1156	56217	0.63%	0.157%
182	13.280	13.261	13.301	VV	894	18286	0.21%	0.051%
183	13.310	13.301	13.328	VV	697	9370	0.11%	0.026%
184	13.348	13.328	13.366	VV	1234	19680	0.22%	0.055%
185	13.387	13.366	13.411	VV	1308	22764	0.26%	0.064%
186	13.433	13.411	13.444	VV	673	9589	0.11%	0.027%
187	13.467	13.444	13.493	VV	1000	20359	0.23%	0.057%
188	13.541	13.493	13.550	VV	2292	51952	0.58%	0.145%
189	13.561	13.550	13.598	VV	2497	37961	0.43%	0.106%
190	13.614	13.598	13.644	VV	2295	30394	0.34%	0.085%
191	13.653	13.644	13.680	VV	471	7832	0.09%	0.022%
192	13.693	13.680	13.702	VV	380	3822	0.04%	0.011%
193	13.714	13.702	13.743	VV	379	5188	0.06%	0.015%
194	13.788	13.743	13.798	PV	688	12948	0.15%	0.036%

					rteres			
195	13.821	13.798	13.849	VV	2660	48617	0.55%	0.136%
196	13.862	13.849	13.894	VV	1294	24247	0.27%	0.068%
197	13.954	13.894	13.979	VV	8098	131778	1.48%	0.369%
198	13.991	13.979	14.011	VV	1806	27904	0.31%	0.078%
199	14.055	14.011	14.104	VV	2279	84339	0.95%	0.236%
200	14.128	14.104	14.141	VV	719	12675	0.14%	0.035%
201	14.164	14.141	14.200	VV	1233	29003	0.33%	0.081%
202	14.223	14.200	14.264	VV	1177	26417	0.30%	0.074%
203	14.280	14.264	14.304	VV	471	5713	0.06%	0.016%
204	14.332	14.304	14.347	VV	451	6791	0.08%	0.019%
205	14.375	14.347	14.408	VV	1295	22331	0.25%	0.062%
206	14.427	14.408	14.467	VV	2113	36922	0.42%	0.103%
207	14.489	14.467	14.505	VV	2621	39237	0.44%	0.110%
208	14.524	14.505	14.554	VV	2887	60848	0.68%	0.170%
209	14.571	14.554	14.666	VV	1772	49604	0.56%	0.139%
210	14.701	14.666	14.734	VV	623	14335	0.16%	0.040%
211	14.759	14.734	14.782	VV	497	10828	0.12%	0.030%
212	14.789	14.782	14.814	VV	385	6660	0.07%	0.019%
213	14.842	14.814	14.862	VV	851	16672	0.19%	0.047%
214	14.902	14.862	14.982	VV	34083	515687	5.80%	1.443%
215	14.990	14.982	15.018	VV	907	15499	0.17%	0.043%
216	15.052	15.018	15.075	VV	2313	46872	0.53%	0.131%
217	15.094	15.075	15.133	VV	2407	37272	0.42%	0.104%
218	15.164	15.133	15.194	VV	736	19349	0.22%	0.054%
219	15.217	15.194	15.232	VV	567	11096	0.12%	0.031%
220	15.261	15.232	15.324	VV	1101	39742	0.45%	0.111%
221	15.358	15.324	15.389	VV	815	22113	0.25%	0.062%
222	15.418	15.389	15.472	VV	2336	47381	0.53%	0.133%
223	15.495	15.472	15.522	VV	890	17724	0.20%	0.050%
224	15.541	15.522	15.572	VV	1078	16259	0.18%	0.045%
225	15.603	15.572	15.628	PV	1880	24365	0.27%	0.068%
226	15.637	15.628	15.646	VV	226	1745	0.02%	0.005%
227	15.652	15.646	15.668	VV	145	1213	0.01%	0.003%
228	15.735	15.668	15.751	VV	458	12942	0.15%	0.036%
229	15.777	15.751	15.791	VV	485	8176	0.09%	0.023%
230	15.822	15.791	15.836	VV	680	12516	0.14%	0.035%
231	15.909	15.836	16.002	VV	27356	490314	5.51%	1.372%
232	16.031	16.002	16.058	VV	3555	78176	0.88%	0.219%
233	16.076	16.058	16.124	VV	2683	66341	0.75%	0.186%
234	16.157	16.124	16.228	VV	1368	45175	0.51%	0.126%
235	16.278	16.228	16.331	VV	1290	41674	0.47%	0.117%
236	16.353	16.331	16.364	VV	1959	25976	0.29%	0.073%
237	16.387	16.364	16.411	VV	2813	54699	0.61%	0.153%
238	16.428	16.411	16.467	VV	1779	50395	0.57%	0.141%
239	16.487	16.467	16.507	VV	2321	38587	0.43%	0.108%
240	16.530	16.507	16.548	VV	5164	72897	0.82%	0.204%
241	16.561	16.548	16.611	VV	3142	53569	0.60%	0.150%
242	16.631	16.611	16.653	VV	587	12779	0.14%	0.036%
243	16.692	16.653	16.753	VV	722	34738	0.39%	0.097%
244	16.847	16.753	16.902	VV	13486	268457	3.02%	0.751%
245	16.935	16.902	16.969	VV	8190	136342	1.53%	0.381%
246	16.991	16.969	17.000	VV	1280	19698	0.22%	0.055%

					rteres			
247	17.014	17.000	17.041	VV	1324	26219	0.29%	0.073%
248	17.072	17.041	17.131	VV	1129	45040	0.51%	0.126%
249	17.148	17.131	17.164	VV	965	16516	0.19%	0.046%
250	17.171	17.164	17.192	VV	918	12455	0.14%	0.035%
251	17.215	17.192	17.236	VV	1043	21681	0.24%	0.061%
252	17.296	17.236	17.307	VV	1800	50891	0.57%	0.142%
253	17.330	17.307	17.349	VV	3218	60179	0.68%	0.168%
254	17.369	17.349	17.393	VV	4015	68156	0.77%	0.191%
255	17.415	17.393	17.433	VV	2094	39533	0.44%	0.111%
256	17.457	17.433	17.482	VV	4889	83270	0.94%	0.233%
257	17.491	17.482	17.518	VV	1487	29856	0.34%	0.084%
258	17.533	17.518	17.546	VV	2008	29846	0.34%	0.083%
259	17.565	17.546	17.614	VV	3257	78939	0.89%	0.221%
260	17.721	17.614	17.738	VV	20088	440252	4.95%	1.232%
261	17.755	17.738	17.776	VV	19078	314275	3.53%	0.879%
262	17.790	17.776	17.857	VV	10787	247062	2.78%	0.691%
263	17.880	17.857	17.944	VV	2988	108248	1.22%	0.303%
264	17.992	17.944	18.021	VV	2060	76964	0.87%	0.215%
265	18.045	18.021	18.068	VV	2775	60850	0.68%	0.170%
266	18.096	18.068	18.114	VV	2086	53705	0.60%	0.150%
267	18.142	18.114	18.163	VV	4039	87810	0.99%	0.246%
268	18.190	18.163	18.254	VV	8214	239503	2.69%	0.670%
269	18.293	18.254	18.351	VV	7976	234598	2.64%	0.656%
270	18.361	18.351	18.404	VV	2246	66865	0.75%	0.187%
271	18.429	18.404	18.439	VV	2869	53940	0.61%	0.151%
272	18.514	18.439	18.525	VV	13879	293322	3.30%	0.821%
273	18.544	18.525	18.644	VV	19806	654781	7.36%	1.832%
274	18.672	18.644	18.713	VV	5148	176021	1.98%	0.492%
275	18.732	18.713	18.753	VV	4131	87953	0.99%	0.246%
276	18.782	18.753	18.838	VV	7551	258546	2.91%	0.723%
277	18.851	18.838	18.888	VV	4270	102551	1.15%	0.287%
278	18.901	18.888	18.917	VV	3080	50652	0.57%	0.142%
279	18.964	18.917	18.988	VV	9615	237514	2.67%	0.664%
280	19.007	18.988	19.061	VV	6509	205599	2.31%	0.575%
281	19.084	19.061	19.106	VV	5169	113457	1.28%	0.317%
282	19.118	19.106	19.144	VV	3872	82932	0.93%	0.232%
283	19.156	19.144	19.172	VV	3478	54310	0.61%	0.152%
284	19.221	19.172	19.243	VV	9026	251840	2.83%	0.705%
285	19.268	19.243	19.294	VV	15493	288173	3.24%	0.806%
286	19.317	19.294	19.368	VV	8609	283115	3.18%	0.792%
287	19.391	19.368	19.421	VV	5470	156756	1.76%	0.439%
288	19.448	19.421	19.486	VV	4606	168261	1.89%	0.471%
289	19.496	19.486	19.514	VV	4306	70358	0.79%	0.197%
290	19.546	19.514	19.564	VV	4957	131483	1.48%	0.368%
291	19.602	19.564	19.686	VV	14757	465025	5.23%	1.301%
292	19.712	19.686	19.734	VV	4953	124741	1.40%	0.349%
293	19.745	19.734	19.764	VV	4296	76182	0.86%	0.213%
294	19.779	19.764	19.788	VV	4193	57854	0.65%	0.162%
295	19.849	19.788	19.876	VV	5684	243932	2.74%	0.682%
296	19.884	19.876	19.921	VV	4388	113435	1.28%	0.317%
297	19.970	19.921	20.021	VV	7864	349753	3.93%	0.978%
298	20.045	20.021	20.057	VV	5215	106813	1.20%	0.299%
299	20.070	20.057	20.080	VV	5317	73985	0.83%	0.207%

					rteres			
300	20.096	20.080	20.134	VV	5899	161257	1.81%	0.451%
301	20.144	20.134	20.152	VV	3912	40271	0.45%	0.113%
302	20.256	20.152	20.273	VV	5385	321801	3.62%	0.900%
303	20.297	20.273	20.318	VV	5610	140206	1.58%	0.392%
304	20.328	20.318	20.364	VV	5278	140001	1.57%	0.392%
305	20.417	20.364	20.462	VV	13943	449798	5.06%	1.258%
306	20.481	20.462	20.508	VV	6667	170398	1.92%	0.477%
307	20.539	20.508	20.582	VV	5840	243607	2.74%	0.682%
308	20.626	20.582	20.697	VV	6773	359287	4.04%	1.005%
309	20.736	20.697	20.752	VV	5305	159997	1.80%	0.448%
310	20.774	20.752	20.908	VV	5253	409121	4.60%	1.145%
311	20.984	20.908	21.001	VV	3773	201421	2.26%	0.563%
312	21.064	21.001	21.152	VV	4407	315800	3.55%	0.883%
313	21.190	21.152	21.224	VV	3130	124473	1.40%	0.348%
314	21.235	21.224	21.254	VV	2614	46667	0.52%	0.131%
315	21.267	21.254	21.310	VV	2836	86348	0.97%	0.242%
316	21.357	21.310	21.450	VV	3684	243734	2.74%	0.682%
317	21.510	21.450	21.564	VV	3100	182394	2.05%	0.510%
318	21.572	21.564	21.584	VV	2285	25678	0.29%	0.072%
319	21.596	21.584	21.620	VV	2145	43780	0.49%	0.122%
320	21.635	21.620	21.688	VV	2182	80680	0.91%	0.226%
321	21.694	21.688	21.715	VV	1881	30998	0.35%	0.087%
322	21.725	21.715	21.758	VV	1829	44957	0.51%	0.126%
323	21.772	21.758	21.781	VV	1777	22558	0.25%	0.063%
324	21.803	21.781	21.858	VV	1848	76712	0.86%	0.215%
325	21.863	21.858	21.874	VV	1573	14385	0.16%	0.040%
326	21.904	21.874	21.948	VV	1728	68445	0.77%	0.191%
327	22.026	21.948	22.081	VV	1912	132546	1.49%	0.371%
328	22.085	22.081	22.091	VV	1686	9621	0.11%	0.027%
329	22.101	22.091	22.121	VV	1684	27595	0.31%	0.077%
330	22.126	22.121	22.154	VV	1514	28123	0.32%	0.079%
331	22.174	22.154	22.244	VV	1567	67444	0.76%	0.189%
332	22.255	22.244	22.324	VV	1110	46021	0.52%	0.129%
333	22.373	22.324	22.408	VV	1422	51624	0.58%	0.144%
334	22.467	22.408	22.531	VV	1080	58079	0.65%	0.162%
335	22.540	22.531	22.566	VV	672	12640	0.14%	0.035%
336	22.584	22.566	22.592	VV	521	7882	0.09%	0.022%
337	22.613	22.592	22.644	VV	624	15749	0.18%	0.044%
338	22.781	22.644	22.900	VV	1906	143441	1.61%	0.401%
339	22.925	22.900	22.943	VV	192	3617	0.04%	0.010%
340	22.966	22.943	22.980	VV	221	2878	0.03%	0.008%
341	22.989	22.980	23.001	PBA	99	9468	0.11%	0.026%
Sum of corrected areas:						35744748		

Aliphatic EPH 012425.M Tue Feb 04 01:42:16 2025

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	01/30/25
Project:	1063 Lafayette Ave, Hawthorne, NJ	Date Received:	01/30/25
Client Sample ID:	3	SDG No.:	Q1236
Lab Sample ID:	Q1236-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	81.4
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
01/31/25 12:05	02/03/25 12:34	PB166432

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	6.47		1	2.11	4.92	mg/kg	FD049041.D
Total EPH	Total EPH	6.47			2.11	4.92	mg/kg	

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	01/30/25
Project:	1063 Lafayette Ave, Hawthorne, NJ	Date Received:	01/30/25
Client Sample ID:	3	SDG No.:	Q1236
Lab Sample ID:	Q1236-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	81.4
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049041.D	1	01/31/25	02/03/25	PB166432

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	6.47		2.11	4.92	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.73		2.21	2.45	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.9		40 - 140	80%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	53.3		40 - 140	106%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1236-05	Acq On:	03 Feb 2025 12:34
Client Sample ID:	3	Operator:	YP/AJ
Data file:	FD049041.D	Misc:	
Instrument:	FID_D	ALS Vial:	63
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.004	6.241	1276987	7.841	300	ug/ml
Aliphatic C12-C16	6.242	9.610	1143782	6.773	200	ug/ml
Aliphatic C16-C21	9.611	12.951	8319265	48.115	300	ug/ml
Aliphatic C21-C28	12.952	16.589	2777137	16.475	400	ug/ml
Aliphatic C28-C40	16.590	21.285	10821541	82.304	600	ug/ml
Aliphatic EPH	3.004	21.285	24338712	161.508		ug/ml
ortho-Terphenyl (SURR)	11.242	11.242	10281548	53.25		ug/ml
1-chlorooctadecane (SURR)	12.683	12.683	5854987	39.89		ug/ml
Aliphatic C9-C28	3.004	16.589	13517171	79.204	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD020325AL\
 Data File : FD049041.D
 Signal(s) : FID2B.ch
 Acq On : 03 Feb 2025 12:34
 Operator : YP/AJ
 Sample : Q1236-05
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 3

Integration File: autoint1.e
 Quant Time: Feb 04 01:14:52 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.M
 Quant Title : GC Extractables
 QLast Update : Sat Jan 25 05:57:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.242	10281548	53.246 ug/ml
Spiked Amount 50.000		Recovery =	106.49%
12) S 1-chlorooctadecane (S...	12.683	5854987	39.889 ug/ml
Spiked Amount 50.000		Recovery =	79.78%

Target Compounds

(f)=RT Delta > 1/2 Window

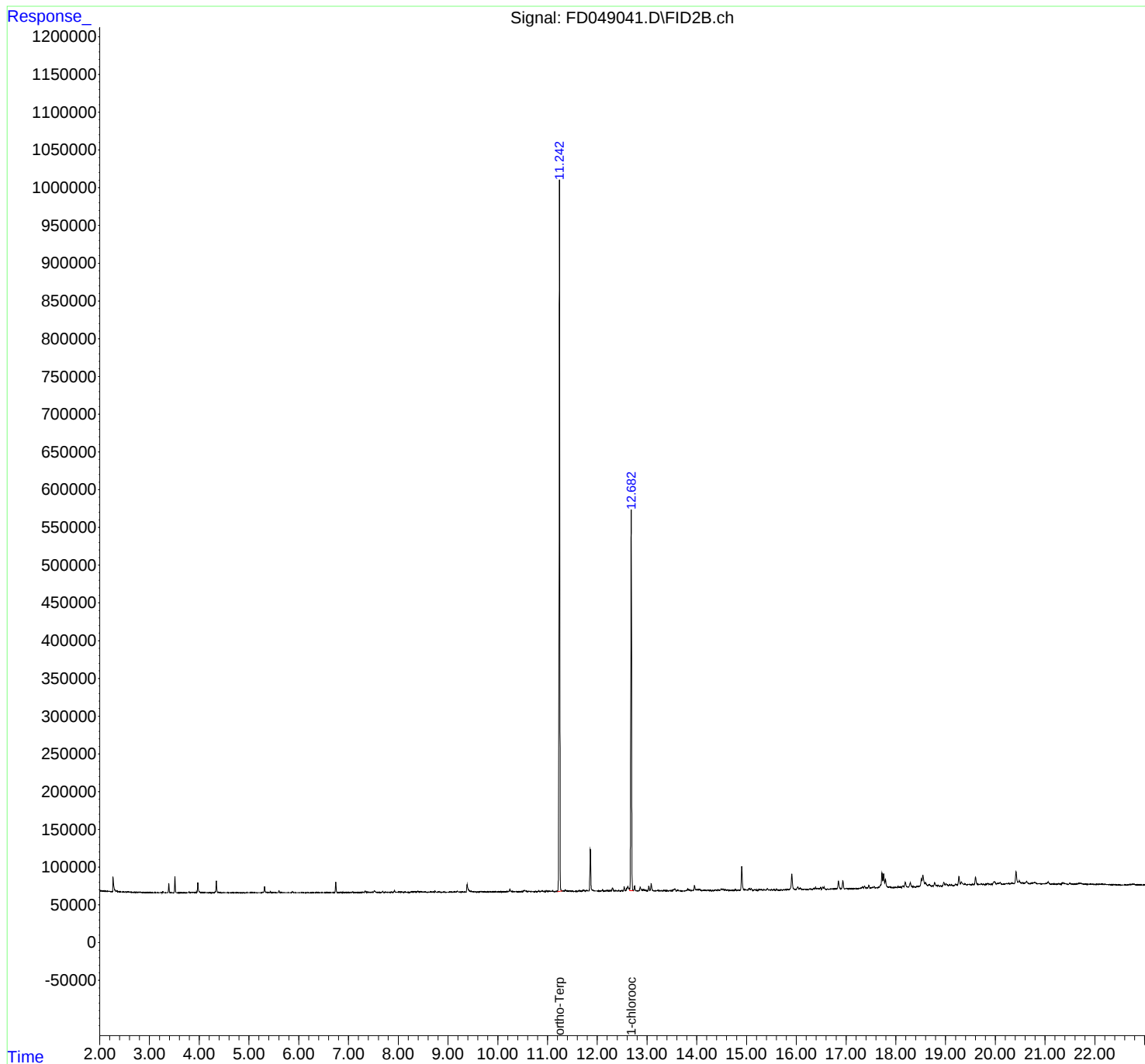
(m)=manual int.

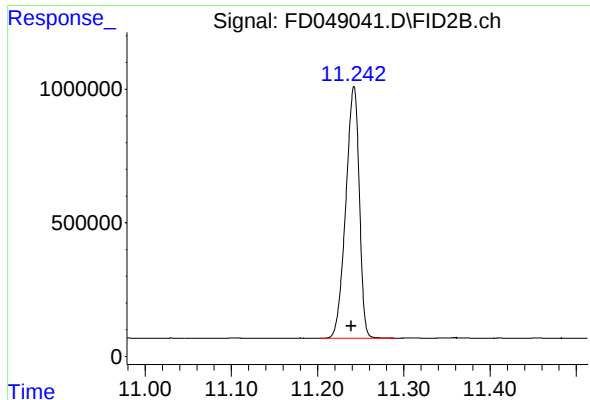
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD020325AL\
Data File : FD049041.D
Signal(s) : FID2B.ch
Acq On : 03 Feb 2025 12:34
Operator : YP/AJ
Sample : Q1236-05
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
3

Integration File: autoint1.e
Quant Time: Feb 04 01:14:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 05:57:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

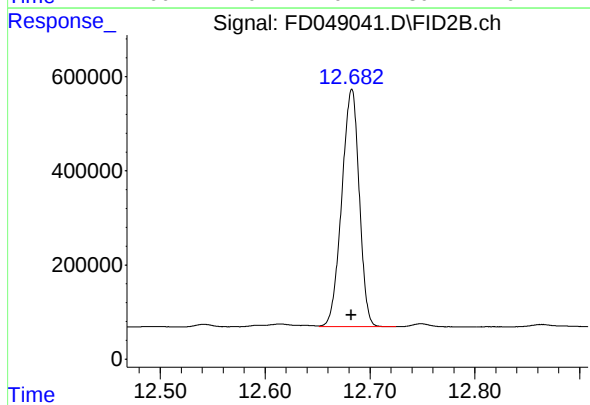




#9 ortho-Terphenyl (SURR)

R.T.: 11.242 min
Delta R.T.: 0.003 min
Response: 10281548
Conc: 53.25 ug/ml

Instrument :
FID_D
ClientSampleId :
3



#12 1-chlorooctadecane (SURR)

R.T.: 12.683 min
Delta R.T.: 0.000 min
Response: 5854987
Conc: 39.89 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD020325AL\
 Data File : FD049041.D
 Signal(s) : FID2B.ch
 Acq On : 03 Feb 2025 12:34
 Sample : Q1236-05
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.M
 Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.678	2.665	2.786	BV	162	11464	0.11%	0.032%
2	2.793	2.786	2.839	VV	165	4862	0.05%	0.013%
3	2.849	2.839	2.885	PV	125	1761	0.02%	0.005%
4	2.892	2.885	2.915	VV	232	2497	0.02%	0.007%
5	2.927	2.915	2.940	VV	210	2066	0.02%	0.006%
6	2.963	2.940	2.999	VV	182	3226	0.03%	0.009%
7	3.010	2.999	3.048	VV	117	2121	0.02%	0.006%
8	3.059	3.048	3.087	VV	211	1488	0.01%	0.004%
9	3.101	3.087	3.148	VV	180	3078	0.03%	0.008%
10	3.168	3.148	3.233	PV	213	5959	0.06%	0.016%
11	3.269	3.233	3.315	VV	1773	19690	0.19%	0.054%
12	3.389	3.315	3.455	VV	12453	121554	1.18%	0.335%
13	3.512	3.455	3.598	VV	21639	200296	1.94%	0.551%
14	3.605	3.598	3.651	VV	227	4149	0.04%	0.011%
15	3.692	3.651	3.719	PV	247	6745	0.07%	0.019%
16	3.729	3.719	3.741	VV	204	1893	0.02%	0.005%
17	3.772	3.741	3.780	VV	354	6308	0.06%	0.017%
18	3.795	3.780	3.828	VV	1360	15372	0.15%	0.042%
19	3.858	3.828	3.934	VV	950	40351	0.39%	0.111%
20	3.973	3.934	4.044	VV	13599	173745	1.68%	0.478%
21	4.056	4.044	4.099	VV	644	17040	0.17%	0.047%
22	4.111	4.099	4.148	VV	462	10299	0.10%	0.028%
23	4.157	4.148	4.208	VV	405	9276	0.09%	0.026%
24	4.219	4.208	4.245	VV	268	3270	0.03%	0.009%
25	4.264	4.245	4.282	VV	353	4994	0.05%	0.014%
26	4.344	4.282	4.404	VV	15797	189606	1.84%	0.522%
27	4.410	4.404	4.459	VV	574	11869	0.12%	0.033%
28	4.469	4.459	4.478	VV	280	2655	0.03%	0.007%
29	4.501	4.478	4.551	VV	439	12157	0.12%	0.033%
30	4.567	4.551	4.584	VV	371	4874	0.05%	0.013%
31	4.610	4.584	4.623	VV	368	6208	0.06%	0.017%
32	4.631	4.623	4.644	VV	285	3079	0.03%	0.008%
33	4.649	4.644	4.654	VV	279	1319	0.01%	0.004%
34	4.672	4.654	4.701	VV	440	6846	0.07%	0.019%
35	4.711	4.701	4.732	VV	247	4358	0.04%	0.012%
36	4.752	4.732	4.789	VV	402	7685	0.07%	0.021%

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37	4.801	4.789	4.840	VV	255	5760	0.06%	0.016%
38	4.874	4.840	4.888	VV	302	5683	0.06%	0.016%
39	4.893	4.888	4.919	VV	269	3175	0.03%	0.009%
40	4.967	4.919	4.985	VV	412	11224	0.11%	0.031%
41	4.998	4.985	5.018	VV	290	5385	0.05%	0.015%
42	5.056	5.018	5.068	VV	466	11629	0.11%	0.032%
43	5.080	5.068	5.097	VV	489	5706	0.06%	0.016%
44	5.114	5.097	5.158	VV	403	10821	0.10%	0.030%
45	5.172	5.158	5.184	VV	297	3819	0.04%	0.011%
46	5.192	5.184	5.261	VV	289	8983	0.09%	0.025%
47	5.314	5.261	5.415	VV	8315	122555	1.19%	0.337%
48	5.430	5.415	5.452	VV	1373	17624	0.17%	0.049%
49	5.461	5.452	5.505	VV	626	12249	0.12%	0.034%
50	5.523	5.505	5.557	VV	487	11181	0.11%	0.031%
51	5.567	5.557	5.585	VV	330	4127	0.04%	0.011%
52	5.605	5.585	5.703	VV	2876	45205	0.44%	0.124%
53	5.715	5.703	5.741	VV	391	6469	0.06%	0.018%
54	5.787	5.741	5.798	VV	318	8229	0.08%	0.023%
55	5.812	5.798	5.843	VV	308	5830	0.06%	0.016%
56	5.874	5.843	5.941	VV	1816	32792	0.32%	0.090%
57	5.951	5.941	5.965	VV	273	3050	0.03%	0.008%
58	5.975	5.965	5.994	VV	260	3954	0.04%	0.011%
59	6.008	5.994	6.040	VV	303	6110	0.06%	0.017%
60	6.052	6.040	6.083	VV	373	7285	0.07%	0.020%
61	6.093	6.083	6.144	VV	392	8377	0.08%	0.023%
62	6.168	6.144	6.195	PV	302	6123	0.06%	0.017%
63	6.199	6.195	6.206	VV	314	1432	0.01%	0.004%
64	6.218	6.206	6.244	VV	286	3926	0.04%	0.011%
65	6.263	6.244	6.298	VV	581	11354	0.11%	0.031%
66	6.301	6.298	6.329	VV	387	5094	0.05%	0.014%
67	6.374	6.329	6.402	VV	428	13175	0.13%	0.036%
68	6.428	6.402	6.458	VV	281	7628	0.07%	0.021%
69	6.466	6.458	6.501	VV	364	4346	0.04%	0.012%
70	6.530	6.501	6.578	VV	438	12008	0.12%	0.033%
71	6.588	6.578	6.635	VV	353	8563	0.08%	0.024%
72	6.645	6.635	6.660	VV	205	2432	0.02%	0.007%
73	6.745	6.660	6.781	VV	13984	156382	1.52%	0.430%
74	6.790	6.781	6.817	VV	427	4681	0.05%	0.013%
75	6.836	6.817	6.874	VV	575	12292	0.12%	0.034%
76	6.885	6.874	6.905	VV	494	5607	0.05%	0.015%
77	6.913	6.905	6.941	VV	297	3142	0.03%	0.009%
78	6.965	6.941	6.982	PV	333	4897	0.05%	0.013%
79	7.023	6.982	7.026	VV	336	6511	0.06%	0.018%
80	7.036	7.026	7.049	VV	473	4531	0.04%	0.012%
81	7.086	7.049	7.123	VV	1076	20519	0.20%	0.056%
82	7.132	7.123	7.141	VV	132	1023	0.01%	0.003%
83	7.176	7.141	7.199	VV	325	5969	0.06%	0.016%
84	7.237	7.199	7.247	VV	252	4339	0.04%	0.012%
85	7.275	7.247	7.300	VV	623	10744	0.10%	0.030%
86	7.334	7.300	7.431	VV	2146	51797	0.50%	0.143%
87	7.448	7.431	7.457	VV	376	4837	0.05%	0.013%
88	7.483	7.457	7.498	VV	809	12769	0.12%	0.035%
89	7.521	7.498	7.601	VV	2393	53068	0.51%	0.146%

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90	7.609	7.601	7.641	VV	437	5985	0.06%	0.016%
91	7.688	7.641	7.714	PV	1785	24898	0.24%	0.069%
92	7.747	7.714	7.767	VV	845	13924	0.14%	0.038%
93	7.777	7.767	7.808	VV	428	7303	0.07%	0.020%
94	7.828	7.808	7.847	VV	387	6892	0.07%	0.019%
95	7.862	7.847	7.881	VV	534	8389	0.08%	0.023%
96	7.926	7.881	7.958	VV	2479	40688	0.39%	0.112%
97	7.968	7.958	7.998	VV	536	9800	0.10%	0.027%
98	8.014	7.998	8.047	VV	968	17379	0.17%	0.048%
99	8.071	8.047	8.228	VV	841	40455	0.39%	0.111%
100	8.266	8.228	8.291	VV	891	20609	0.20%	0.057%
101	8.308	8.291	8.328	VV	1071	17587	0.17%	0.048%
102	8.339	8.328	8.368	VV	840	15850	0.15%	0.044%
103	8.393	8.368	8.434	VV	2086	37729	0.37%	0.104%
104	8.455	8.434	8.485	VV	936	19463	0.19%	0.054%
105	8.506	8.485	8.528	VV	598	12187	0.12%	0.034%
106	8.539	8.528	8.588	VV	426	9927	0.10%	0.027%
107	8.649	8.588	8.685	VV	640	19222	0.19%	0.053%
108	8.704	8.685	8.723	VV	449	8904	0.09%	0.025%
109	8.744	8.723	8.768	VV	1317	19243	0.19%	0.053%
110	8.777	8.768	8.787	VV	192	2167	0.02%	0.006%
111	8.818	8.787	8.861	VV	631	13016	0.13%	0.036%
112	8.931	8.861	8.961	VV	583	15341	0.15%	0.042%
113	8.991	8.961	9.001	VV	221	3760	0.04%	0.010%
114	9.024	9.001	9.055	VV	326	8366	0.08%	0.023%
115	9.073	9.055	9.095	VV	402	6553	0.06%	0.018%
116	9.132	9.095	9.167	VV	537	17689	0.17%	0.049%
117	9.189	9.167	9.242	VV	1701	29688	0.29%	0.082%
118	9.248	9.242	9.270	VV	365	4442	0.04%	0.012%
119	9.278	9.270	9.322	VV	235	5557	0.05%	0.015%
120	9.340	9.322	9.356	PV	250	2767	0.03%	0.008%
121	9.386	9.356	9.498	VV	10047	220163	2.14%	0.606%
122	9.512	9.498	9.535	VV	756	12265	0.12%	0.034%
123	9.546	9.535	9.621	VV	583	17866	0.17%	0.049%
124	9.657	9.621	9.711	VV	725	25076	0.24%	0.069%
125	9.718	9.711	9.728	VV	423	3309	0.03%	0.009%
126	9.748	9.728	9.781	VV	522	10810	0.10%	0.030%
127	9.790	9.781	9.811	VV	341	4043	0.04%	0.011%
128	9.823	9.811	9.838	VV	393	4847	0.05%	0.013%
129	9.860	9.838	9.872	VV	441	7055	0.07%	0.019%
130	9.891	9.872	9.915	VV	437	8218	0.08%	0.023%
131	9.925	9.915	9.934	VV	291	2782	0.03%	0.008%
132	9.954	9.934	9.987	VV	607	11453	0.11%	0.032%
133	10.015	9.987	10.031	VV	483	9126	0.09%	0.025%
134	10.047	10.031	10.071	VV	480	7505	0.07%	0.021%
135	10.083	10.071	10.097	VV	298	3958	0.04%	0.011%
136	10.105	10.097	10.138	VV	375	7182	0.07%	0.020%
137	10.158	10.138	10.171	VV	435	6523	0.06%	0.018%
138	10.192	10.171	10.218	VV	850	15060	0.15%	0.041%
139	10.246	10.218	10.292	VV	3963	62805	0.61%	0.173%
140	10.307	10.292	10.321	VV	642	9938	0.10%	0.027%
141	10.332	10.321	10.401	VV	622	18923	0.18%	0.052%

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142	10.414	10.401	10.447	VV	399	4315	0.04%	0.012%
143	10.463	10.447	10.481	VV	643	9184	0.09%	0.025%
144	10.541	10.481	10.599	VV	2110	71954	0.70%	0.198%
145	10.617	10.599	10.629	VV	634	10447	0.10%	0.029%
146	10.635	10.629	10.701	VV	584	17225	0.17%	0.047%
147	10.706	10.701	10.740	VV	369	4659	0.05%	0.013%
148	10.763	10.740	10.791	PV	716	8058	0.08%	0.022%
149	10.827	10.791	10.851	VV	1605	22223	0.22%	0.061%
150	10.895	10.851	10.924	VV	1650	34642	0.34%	0.095%
151	10.939	10.924	10.961	VV	635	9401	0.09%	0.026%
152	10.980	10.961	11.003	VV	1300	17778	0.17%	0.049%
153	11.030	11.003	11.079	VV	1243	32690	0.32%	0.090%
154	11.104	11.079	11.125	VV	1603	23121	0.22%	0.064%
155	11.134	11.125	11.151	VV	520	5363	0.05%	0.015%
156	11.182	11.151	11.200	VV	1100	17221	0.17%	0.047%
157	11.242	11.200	11.293	VV	938134	10311718	100.00%	28.384%
158	11.309	11.293	11.331	VV	1399	25415	0.25%	0.070%
159	11.359	11.331	11.394	VV	2217	51446	0.50%	0.142%
160	11.411	11.394	11.435	VV	1248	19678	0.19%	0.054%
161	11.456	11.435	11.471	VV	1221	18578	0.18%	0.051%
162	11.485	11.471	11.526	VV	876	19008	0.18%	0.052%
163	11.557	11.526	11.590	VV	445	11053	0.11%	0.030%
164	11.639	11.590	11.681	VV	1990	39440	0.38%	0.109%
165	11.714	11.681	11.730	VV	1672	33302	0.32%	0.092%
166	11.741	11.730	11.759	VV	1848	22273	0.22%	0.061%
167	11.776	11.759	11.811	VV	1525	35470	0.34%	0.098%
168	11.860	11.811	11.975	VV	56136	737852	7.16%	2.031%
169	11.997	11.975	12.011	VV	957	16940	0.16%	0.047%
170	12.045	12.011	12.076	VV	1008	27831	0.27%	0.077%
171	12.102	12.076	12.130	VV	1931	33188	0.32%	0.091%
172	12.152	12.130	12.167	VV	958	13012	0.13%	0.036%
173	12.191	12.167	12.225	VV	1659	35891	0.35%	0.099%
174	12.260	12.225	12.278	VV	1343	31992	0.31%	0.088%
175	12.305	12.278	12.365	VV	4578	94639	0.92%	0.260%
176	12.380	12.365	12.415	VV	1124	23397	0.23%	0.064%
177	12.427	12.415	12.464	VV	1233	22588	0.22%	0.062%
178	12.493	12.464	12.517	VV	1507	28031	0.27%	0.077%
179	12.542	12.517	12.574	VV	6120	82441	0.80%	0.227%
180	12.615	12.574	12.651	VV	6847	180312	1.75%	0.496%
181	12.682	12.651	12.726	VV	502324	5895347	57.17%	16.227%
182	12.749	12.726	12.798	VV	7172	102750	1.00%	0.283%
183	12.815	12.798	12.835	VV	784	14963	0.15%	0.041%
184	12.864	12.835	12.905	VV	5553	111558	1.08%	0.307%
185	12.923	12.905	13.005	VV	2225	83976	0.81%	0.231%
186	13.035	13.005	13.058	VV	6574	88860	0.86%	0.245%
187	13.083	13.058	13.151	VV	9855	157078	1.52%	0.432%
188	13.182	13.151	13.193	VV	700	15038	0.15%	0.041%
189	13.209	13.193	13.224	VV	806	13377	0.13%	0.037%
190	13.240	13.224	13.260	VV	836	15192	0.15%	0.042%
191	13.284	13.260	13.328	VV	814	23429	0.23%	0.064%
192	13.349	13.328	13.369	VV	1081	18761	0.18%	0.052%
193	13.386	13.369	13.443	VV	784	22037	0.21%	0.061%
194	13.463	13.443	13.496	VV	928	19203	0.19%	0.053%

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195	13.561	13.496	13.598	VV	2591	79029	0.77%	0.218%
196	13.614	13.598	13.651	VV	1853	23026	0.22%	0.063%
197	13.666	13.651	13.681	VV	300	3903	0.04%	0.011%
198	13.690	13.681	13.711	VV	267	2390	0.02%	0.007%
199	13.725	13.711	13.738	VV	209	2126	0.02%	0.006%
200	13.742	13.738	13.753	VV	211	941	0.01%	0.003%
201	13.820	13.753	13.847	PV	2856	58606	0.57%	0.161%
202	13.860	13.847	13.882	VV	1670	21980	0.21%	0.061%
203	13.906	13.882	13.927	VV	792	17087	0.17%	0.047%
204	13.953	13.927	13.979	VV	7475	105521	1.02%	0.290%
205	13.993	13.979	14.015	VV	1737	32910	0.32%	0.091%
206	14.055	14.015	14.105	VV	2155	70818	0.69%	0.195%
207	14.128	14.105	14.140	VV	797	11288	0.11%	0.031%
208	14.164	14.140	14.192	VV	1304	26110	0.25%	0.072%
209	14.224	14.192	14.261	VV	1019	29656	0.29%	0.082%
210	14.275	14.261	14.306	VV	650	8780	0.09%	0.024%
211	14.375	14.306	14.407	VV	1290	29006	0.28%	0.080%
212	14.426	14.407	14.449	VV	1529	19712	0.19%	0.054%
213	14.489	14.449	14.506	VV	2639	45437	0.44%	0.125%
214	14.526	14.506	14.557	VV	2340	52998	0.51%	0.146%
215	14.571	14.557	14.591	VV	1491	20041	0.19%	0.055%
216	14.608	14.591	14.625	VV	703	11951	0.12%	0.033%
217	14.633	14.625	14.668	VV	798	10010	0.10%	0.028%
218	14.702	14.668	14.714	VV	444	6629	0.06%	0.018%
219	14.738	14.714	14.753	VV	405	7552	0.07%	0.021%
220	14.778	14.753	14.807	VV	1396	21377	0.21%	0.059%
221	14.851	14.807	14.865	VV	789	16949	0.16%	0.047%
222	14.902	14.865	14.990	VV	31916	480287	4.66%	1.322%
223	15.002	14.990	15.023	VV	763	12455	0.12%	0.034%
224	15.056	15.023	15.076	VV	2589	49112	0.48%	0.135%
225	15.094	15.076	15.128	VV	2401	38221	0.37%	0.105%
226	15.164	15.128	15.187	VV	795	18746	0.18%	0.052%
227	15.197	15.187	15.225	VV	691	9350	0.09%	0.026%
228	15.262	15.225	15.278	VV	1055	18598	0.18%	0.051%
229	15.287	15.278	15.325	VV	814	18577	0.18%	0.051%
230	15.364	15.325	15.389	VV	846	22504	0.22%	0.062%
231	15.418	15.389	15.475	VV	2324	43563	0.42%	0.120%
232	15.497	15.475	15.522	VV	801	14449	0.14%	0.040%
233	15.543	15.522	15.570	VV	920	15726	0.15%	0.043%
234	15.603	15.570	15.673	VV	1607	27322	0.26%	0.075%
235	15.704	15.673	15.716	PV	382	5234	0.05%	0.014%
236	15.752	15.716	15.781	VV	417	12718	0.12%	0.035%
237	15.821	15.781	15.846	VV	954	21396	0.21%	0.059%
238	15.908	15.846	15.981	VV	21202	390226	3.78%	1.074%
239	16.029	15.981	16.057	VV	3890	91114	0.88%	0.251%
240	16.077	16.057	16.119	VV	2183	56579	0.55%	0.156%
241	16.128	16.119	16.145	VV	673	8625	0.08%	0.024%
242	16.171	16.145	16.208	VV	899	22867	0.22%	0.063%
243	16.215	16.208	16.238	VV	419	6529	0.06%	0.018%
244	16.272	16.238	16.321	VV	1435	38246	0.37%	0.105%
245	16.354	16.321	16.368	VV	1667	30315	0.29%	0.083%
246	16.388	16.368	16.415	VV	2426	43983	0.43%	0.121%

					rteres			
247	16.429	16.415	16.458	VV	1766	35214	0.34%	0.097%
248	16.487	16.458	16.508	VV	2515	45200	0.44%	0.124%
249	16.531	16.508	16.547	VV	3238	45295	0.44%	0.125%
250	16.561	16.547	16.618	VV	2768	45878	0.44%	0.126%
251	16.631	16.618	16.651	VV	547	8155	0.08%	0.022%
252	16.713	16.651	16.756	VV	852	35412	0.34%	0.097%
253	16.847	16.756	16.901	VV	10680	216539	2.10%	0.596%
254	16.935	16.901	16.975	VV	11198	175692	1.70%	0.484%
255	16.994	16.975	17.006	VV	1066	16556	0.16%	0.046%
256	17.015	17.006	17.037	VV	1100	15122	0.15%	0.042%
257	17.072	17.037	17.105	VV	893	28600	0.28%	0.079%
258	17.115	17.105	17.132	VV	642	9212	0.09%	0.025%
259	17.166	17.132	17.187	VV	710	19687	0.19%	0.054%
260	17.215	17.187	17.250	VV	871	23828	0.23%	0.066%
261	17.331	17.250	17.349	VV	2832	84612	0.82%	0.233%
262	17.370	17.349	17.396	VV	3916	70353	0.68%	0.194%
263	17.413	17.396	17.435	VV	1757	33233	0.32%	0.091%
264	17.457	17.435	17.486	VV	4734	77835	0.75%	0.214%
265	17.535	17.486	17.546	VV	1717	48290	0.47%	0.133%
266	17.565	17.546	17.589	VV	3190	54260	0.53%	0.149%
267	17.721	17.589	17.738	VV	20931	462394	4.48%	1.273%
268	17.755	17.738	17.776	VV	19951	316066	3.07%	0.870%
269	17.791	17.776	17.859	VV	12309	260033	2.52%	0.716%
270	17.882	17.859	17.941	VV	2341	84531	0.82%	0.233%
271	17.992	17.941	18.017	VV	1710	63894	0.62%	0.176%
272	18.044	18.017	18.081	VV	2484	73329	0.71%	0.202%
273	18.096	18.081	18.118	VV	1965	38305	0.37%	0.105%
274	18.143	18.118	18.165	VV	3564	74530	0.72%	0.205%
275	18.190	18.165	18.255	VV	7930	202119	1.96%	0.556%
276	18.292	18.255	18.362	VV	6930	215289	2.09%	0.593%
277	18.370	18.362	18.395	VV	2097	36142	0.35%	0.099%
278	18.427	18.395	18.445	VV	2411	60628	0.59%	0.167%
279	18.514	18.445	18.525	VV	12656	254367	2.47%	0.700%
280	18.543	18.525	18.580	VV	17447	383696	3.72%	1.056%
281	18.592	18.580	18.638	VV	6880	184025	1.78%	0.507%
282	18.673	18.638	18.719	VV	4612	175394	1.70%	0.483%
283	18.737	18.719	18.755	VV	2830	55779	0.54%	0.154%
284	18.781	18.755	18.808	VV	7232	150759	1.46%	0.415%
285	18.818	18.808	18.838	VV	3480	58190	0.56%	0.160%
286	18.852	18.838	18.871	VV	3249	58071	0.56%	0.160%
287	18.893	18.871	18.925	VV	2569	77589	0.75%	0.214%
288	18.964	18.925	18.990	VV	7134	177493	1.72%	0.489%
289	19.008	18.990	19.065	VV	5823	182739	1.77%	0.503%
290	19.082	19.065	19.108	VV	4546	97407	0.94%	0.268%
291	19.118	19.108	19.164	VV	3681	104128	1.01%	0.287%
292	19.200	19.164	19.212	VV	4518	103578	1.00%	0.285%
293	19.222	19.212	19.240	VV	4104	66485	0.64%	0.183%
294	19.268	19.240	19.296	VV	14707	284223	2.76%	0.782%
295	19.318	19.296	19.368	VV	7781	241885	2.35%	0.666%
296	19.388	19.368	19.420	VV	4822	133921	1.30%	0.369%
297	19.493	19.420	19.525	VV	4017	236368	2.29%	0.651%
298	19.546	19.525	19.556	VV	4122	73376	0.71%	0.202%
299	19.562	19.556	19.568	VV	3948	27299	0.26%	0.075%

					rteres			
300	19.602	19.568	19.655	VV	13742	350585	3.40%	0.965%
301	19.668	19.655	19.692	VV	4136	87310	0.85%	0.240%
302	19.712	19.692	19.734	VV	4498	105613	1.02%	0.291%
303	19.744	19.734	19.764	VV	3854	65899	0.64%	0.181%
304	19.776	19.764	19.791	VV	3822	59484	0.58%	0.164%
305	19.850	19.791	19.909	VV	5245	291878	2.83%	0.803%
306	19.920	19.909	19.933	VV	3972	54713	0.53%	0.151%
307	19.973	19.933	20.022	VV	7071	294924	2.86%	0.812%
308	20.045	20.022	20.058	VV	4946	101188	0.98%	0.279%
309	20.096	20.058	20.151	VV	5889	260293	2.52%	0.716%
310	20.162	20.151	20.177	VV	3817	58531	0.57%	0.161%
311	20.259	20.177	20.271	VV	4507	238527	2.31%	0.657%
312	20.332	20.271	20.365	VV	5231	257579	2.50%	0.709%
313	20.417	20.365	20.459	VV	20073	518547	5.03%	1.427%
314	20.481	20.459	20.523	VV	7695	235540	2.28%	0.648%
315	20.538	20.523	20.581	VV	5087	170824	1.66%	0.470%
316	20.628	20.581	20.695	VV	7026	344544	3.34%	0.948%
317	20.734	20.695	20.752	VV	5156	155070	1.50%	0.427%
318	20.798	20.752	20.854	VV	5486	285415	2.77%	0.786%
319	20.873	20.854	20.920	VV	3873	143803	1.39%	0.396%
320	20.940	20.920	20.957	VV	3639	78908	0.77%	0.217%
321	20.971	20.957	20.981	VV	3675	51905	0.50%	0.143%
322	21.064	20.981	21.125	VV	5625	337697	3.27%	0.930%
323	21.181	21.125	21.221	VV	3142	171125	1.66%	0.471%
324	21.270	21.221	21.321	VV	3287	170221	1.65%	0.469%
325	21.357	21.321	21.460	VV	4508	273796	2.66%	0.754%
326	21.501	21.460	21.566	VV	3644	185423	1.80%	0.510%
327	21.699	21.566	21.861	VV	3557	465516	4.51%	1.281%
328	21.909	21.861	21.965	VV	2299	126906	1.23%	0.349%
329	21.975	21.965	21.982	VV	1957	19081	0.19%	0.053%
330	21.992	21.982	22.001	VV	1990	22735	0.22%	0.063%
331	22.015	22.001	22.055	VV	1893	58901	0.57%	0.162%
332	22.090	22.055	22.101	VV	2023	51606	0.50%	0.142%
333	22.148	22.101	22.165	VV	1972	69511	0.67%	0.191%
334	22.176	22.165	22.231	VV	1721	61866	0.60%	0.170%
335	22.253	22.231	22.353	VV	1374	81741	0.79%	0.225%
336	22.388	22.353	22.402	VV	1071	28217	0.27%	0.078%
337	22.411	22.402	22.455	VV	1020	26328	0.26%	0.072%
338	22.477	22.455	22.511	VV	956	22555	0.22%	0.062%
339	22.534	22.511	22.544	VV	502	8698	0.08%	0.024%
340	22.565	22.544	22.586	VV	490	10688	0.10%	0.029%
341	22.604	22.586	22.631	VV	505	12254	0.12%	0.034%
342	22.767	22.631	22.844	VV	1513	106750	1.04%	0.294%
343	22.858	22.844	22.889	VV	462	10268	0.10%	0.028%
344	22.898	22.889	22.914	VV	353	4608	0.04%	0.013%
345	22.931	22.914	22.949	VV	346	4947	0.05%	0.014%
346	22.959	22.949	22.970	VV	117	1190	0.01%	0.003%
Sum of corrected areas:						36329892		

Aliphatic EPH 012425.M Tue Feb 04 01:42:37 2025

Report of Analysis

Client:	Sciaccia General Contractors, LLC	Date Collected:	01/30/25
Project:	1063 Lafayette Ave, Hawthorne, NJ	Date Received:	01/30/25
Client Sample ID:	4	SDG No.:	Q1236
Lab Sample ID:	Q1236-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
01/31/25 12:05	02/03/25 13:11	PB166432

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	11.0		1	2.07	4.80	mg/kg	FD049042.D
Total EPH	Total EPH	11.0			2.07	4.80	mg/kg	

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	01/30/25
Project:	1063 Lafayette Ave, Hawthorne, NJ	Date Received:	01/30/25
Client Sample ID:	4	SDG No.:	Q1236
Lab Sample ID:	Q1236-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049042.D	1	01/31/25	02/03/25	PB166432

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	11.0		2.07	4.80	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	9.86		2.17	2.41	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.3		40 - 140	75%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	52.9		40 - 140	106%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1236-06	Acq On:	03 Feb 2025 13:11
Client Sample ID:	4	Operator:	YP/AJ
Data file:	FD049042.D	Misc:	
Instrument:	FID_D	ALS Vial:	64
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.004	6.241	4130894	25.364	300	ug/ml
Aliphatic C12-C16	6.242	9.610	2055201	12.17	200	ug/ml
Aliphatic C16-C21	9.611	12.951	13364680	77.296	300	ug/ml
Aliphatic C21-C28	12.952	16.589	3703418	21.97	400	ug/ml
Aliphatic C28-C40	16.590	21.285	16154485	122.864	600	ug/ml
Aliphatic EPH	3.004	21.285	39408678	259.664		ug/ml
ortho-Terphenyl (SURR)	11.243	11.243	10221038	52.93		ug/ml
1-chlorooctadecane (SURR)	12.682	12.682	5478047	37.32		ug/ml
Aliphatic C9-C28	3.004	16.589	23254193	136.8	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD020325AL\
 Data File : FD049042.D
 Signal(s) : FID2B.ch
 Acq On : 03 Feb 2025 13:11
 Operator : YP/AJ
 Sample : Q1236-06
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 4

Integration File: autoint1.e
 Quant Time: Feb 04 01:15:10 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.M
 Quant Title : GC Extractables
 QLast Update : Sat Jan 25 05:57:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.243	10221038	52.933 ug/ml
Spiked Amount	50.000	Recovery	= 105.87%
12) S 1-chlorooctadecane (S...	12.682	5478047	37.321 ug/ml
Spiked Amount	50.000	Recovery	= 74.64%

Target Compounds

(f)=RT Delta > 1/2 Window

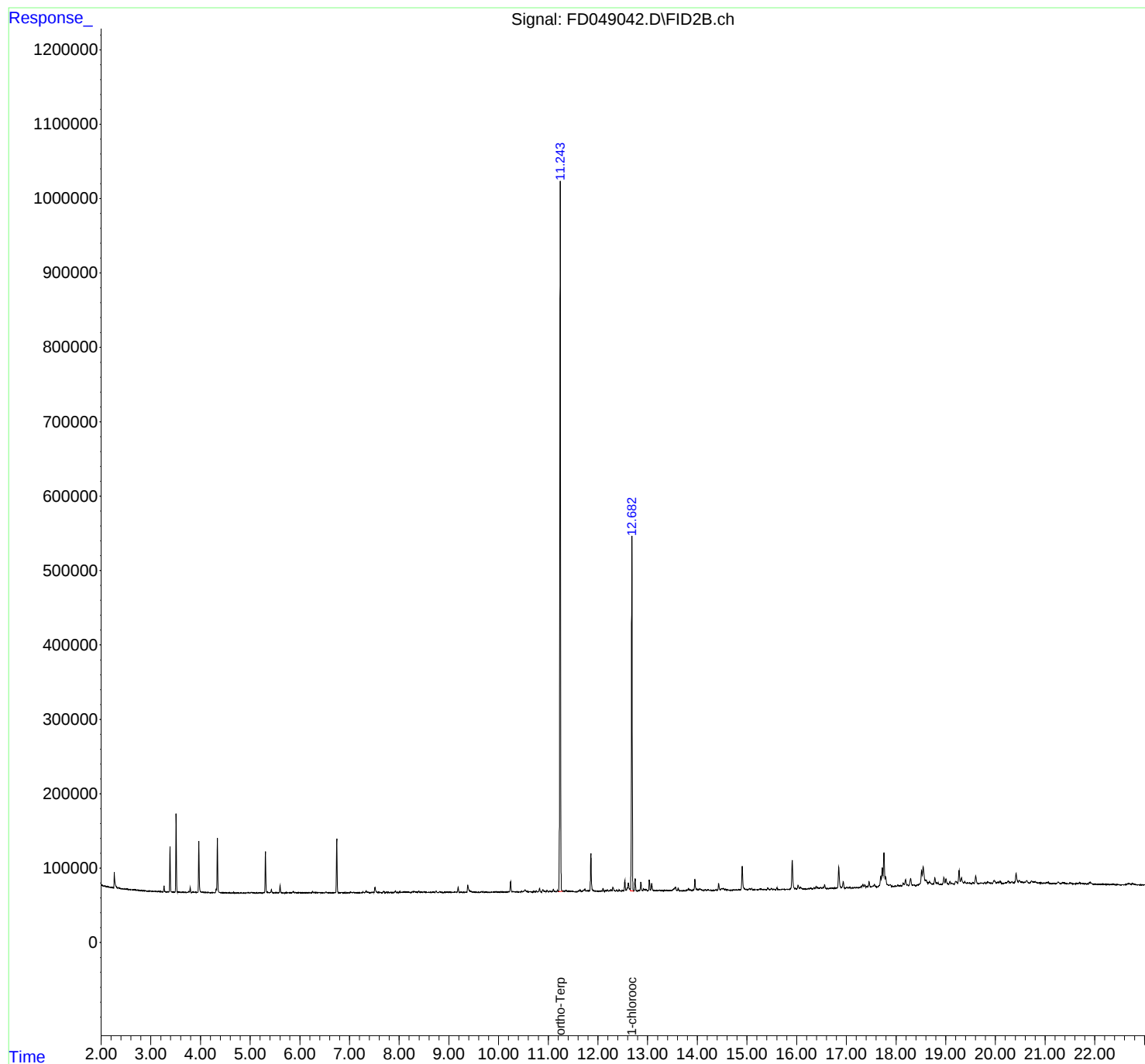
(m)=manual int.

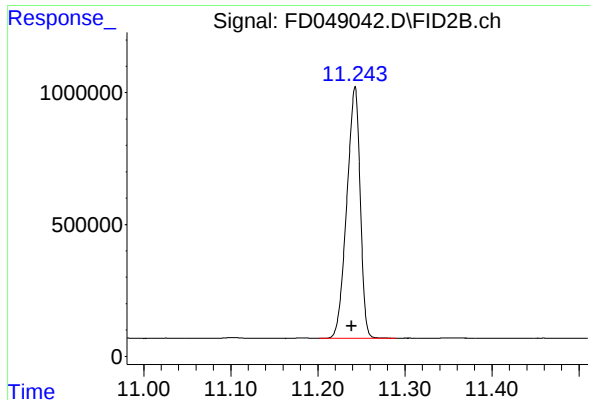
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD020325AL\
Data File : FD049042.D
Signal(s) : FID2B.ch
Acq On : 03 Feb 2025 13:11
Operator : YP/AJ
Sample : Q1236-06
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
4

Integration File: autoint1.e
Quant Time: Feb 04 01:15:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 05:57:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

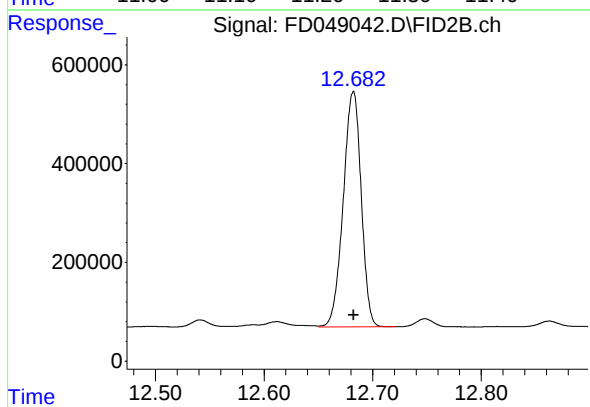




#9 ortho-Terphenyl (SURR)

R.T.: 11.243 min
Delta R.T.: 0.004 min
Response: 10221038
Conc: 52.93 ug/ml

Instrument :
FID_D
ClientSampleId :
4



#12 1-chlorooctadecane (SURR)

R.T.: 12.682 min
Delta R.T.: 0.000 min
Response: 5478047
Conc: 37.32 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD020325AL\
Data File : FD049042.D
Signal(s) : FID2B.ch
Acq On : 03 Feb 2025 13:11
Sample : Q1236-06
Misc :
ALS Vial : 64 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.884	2.831	2.999	BV	276	8051	0.08%	0.017%
2	3.010	2.999	3.052	PV	217	3003	0.03%	0.006%
3	3.060	3.052	3.074	PV	55	1105	0.01%	0.002%
4	3.088	3.074	3.174	VV	265	7870	0.08%	0.017%
5	3.186	3.174	3.211	PV	254	2984	0.03%	0.006%
6	3.220	3.211	3.235	VV	189	1492	0.01%	0.003%
7	3.267	3.235	3.364	PV	8136	75186	0.73%	0.161%
8	3.386	3.364	3.481	VV	59908	514680	5.02%	1.100%
9	3.509	3.481	3.549	PV	105110	887660	8.66%	1.898%
10	3.560	3.549	3.632	VV	541	14633	0.14%	0.031%
11	3.638	3.632	3.664	VV	289	3612	0.04%	0.008%
12	3.675	3.664	3.684	PV	194	1738	0.02%	0.004%
13	3.694	3.684	3.721	VV	267	3616	0.04%	0.008%
14	3.729	3.721	3.739	VV	118	1360	0.01%	0.003%
15	3.766	3.739	3.777	VV	1256	12761	0.12%	0.027%
16	3.793	3.777	3.819	VV	6689	60629	0.59%	0.130%
17	3.842	3.819	3.881	VV	745	20070	0.20%	0.043%
18	3.890	3.881	3.925	VV	571	11626	0.11%	0.025%
19	3.967	3.925	4.133	VV	67866	702260	6.85%	1.502%
20	4.145	4.133	4.204	VV	352	7818	0.08%	0.017%
21	4.256	4.204	4.284	VV	524	11555	0.11%	0.025%
22	4.340	4.284	4.448	VV	72666	752338	7.34%	1.609%
23	4.469	4.448	4.509	VV	347	10014	0.10%	0.021%
24	4.517	4.509	4.525	VV	340	2465	0.02%	0.005%
25	4.532	4.525	4.545	VV	279	2408	0.02%	0.005%
26	4.581	4.545	4.614	VV	285	8077	0.08%	0.017%
27	4.638	4.614	4.648	VV	272	3801	0.04%	0.008%
28	4.671	4.648	4.733	VV	671	11545	0.11%	0.025%
29	4.750	4.733	4.785	PV	278	3821	0.04%	0.008%
30	4.814	4.785	4.828	PV	462	6802	0.07%	0.015%
31	4.853	4.828	4.916	VV	331	7510	0.07%	0.016%
32	4.967	4.916	4.993	VV	971	19669	0.19%	0.042%
33	5.026	4.993	5.098	VV	918	29634	0.29%	0.063%
34	5.122	5.098	5.139	VV	355	5444	0.05%	0.012%
35	5.152	5.139	5.161	VV	309	2857	0.03%	0.006%
36	5.186	5.161	5.242	VV	691	16388	0.16%	0.035%

					rteres			
37	5.308	5.242	5.389	VV	55396	560791	5.47%	1.199%
38	5.427	5.389	5.480	VV	4735	67839	0.66%	0.145%
39	5.496	5.480	5.503	VV	402	4261	0.04%	0.009%
40	5.521	5.503	5.549	VV	576	10931	0.11%	0.023%
41	5.602	5.549	5.661	VV	10259	115267	1.12%	0.246%
42	5.671	5.661	5.696	VV	280	4334	0.04%	0.009%
43	5.773	5.696	5.799	VV	526	21805	0.21%	0.047%
44	5.873	5.799	5.899	VV	2056	50815	0.50%	0.109%
45	5.919	5.899	5.970	VV	563	17458	0.17%	0.037%
46	5.986	5.970	6.020	VV	631	12340	0.12%	0.026%
47	6.044	6.020	6.068	VV	492	10564	0.10%	0.023%
48	6.079	6.068	6.091	VV	373	4431	0.04%	0.009%
49	6.100	6.091	6.114	VV	273	2775	0.03%	0.006%
50	6.137	6.114	6.155	VV	428	6906	0.07%	0.015%
51	6.164	6.155	6.181	VV	356	4295	0.04%	0.009%
52	6.188	6.181	6.211	VV	330	4068	0.04%	0.009%
53	6.225	6.211	6.233	VV	391	3583	0.03%	0.008%
54	6.258	6.233	6.299	VV	1966	34669	0.34%	0.074%
55	6.324	6.299	6.360	VV	760	18160	0.18%	0.039%
56	6.385	6.360	6.398	VV	547	9961	0.10%	0.021%
57	6.404	6.398	6.441	VV	514	10031	0.10%	0.021%
58	6.448	6.441	6.487	VV	335	5452	0.05%	0.012%
59	6.525	6.487	6.598	VV	1362	33204	0.32%	0.071%
60	6.612	6.598	6.626	VV	299	3974	0.04%	0.008%
61	6.637	6.626	6.677	VV	359	8280	0.08%	0.018%
62	6.709	6.677	6.716	VV	462	8521	0.08%	0.018%
63	6.744	6.716	6.800	VV	72857	717725	7.00%	1.535%
64	6.837	6.800	6.867	VV	824	17808	0.17%	0.038%
65	6.881	6.867	6.901	VV	469	6215	0.06%	0.013%
66	6.909	6.901	6.925	VV	368	3554	0.03%	0.008%
67	6.961	6.925	6.994	VV	425	10958	0.11%	0.023%
68	7.030	6.994	7.046	VV	948	18633	0.18%	0.040%
69	7.086	7.046	7.114	VV	1064	25327	0.25%	0.054%
70	7.121	7.114	7.141	VV	369	2717	0.03%	0.006%
71	7.152	7.141	7.166	VV	210	2358	0.02%	0.005%
72	7.178	7.166	7.208	VV	278	2362	0.02%	0.005%
73	7.270	7.208	7.296	PV	1375	22355	0.22%	0.048%
74	7.334	7.296	7.402	VV	2904	62511	0.61%	0.134%
75	7.437	7.402	7.464	VV	452	11532	0.11%	0.025%
76	7.481	7.464	7.492	VV	1065	12403	0.12%	0.027%
77	7.512	7.492	7.561	VV	7421	118314	1.15%	0.253%
78	7.575	7.561	7.598	VV	847	12443	0.12%	0.027%
79	7.607	7.598	7.651	VV	559	10968	0.11%	0.023%
80	7.687	7.651	7.727	VV	2239	38760	0.38%	0.083%
81	7.747	7.727	7.765	VV	988	13521	0.13%	0.029%
82	7.782	7.765	7.806	VV	913	12792	0.12%	0.027%
83	7.819	7.806	7.841	VV	469	5977	0.06%	0.013%
84	7.868	7.841	7.888	VV	496	9531	0.09%	0.020%
85	7.924	7.888	7.961	VV	2636	41355	0.40%	0.088%
86	7.967	7.961	7.988	VV	297	4060	0.04%	0.009%
87	8.012	7.988	8.032	VV	1568	21125	0.21%	0.045%
88	8.098	8.032	8.128	VV	1068	46876	0.46%	0.100%
89	8.158	8.128	8.241	VV	1031	43489	0.42%	0.093%

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90	8.279	8.241	8.290	VV	1417	27656	0.27%	0.059%
91	8.305	8.290	8.374	VV	1898	50092	0.49%	0.107%
92	8.392	8.374	8.435	VV	1949	34647	0.34%	0.074%
93	8.455	8.435	8.476	VV	1071	17627	0.17%	0.038%
94	8.507	8.476	8.528	VV	1512	25381	0.25%	0.054%
95	8.539	8.528	8.578	VV	464	10715	0.10%	0.023%
96	8.602	8.578	8.613	VV	351	6639	0.06%	0.014%
97	8.646	8.613	8.662	VV	679	12582	0.12%	0.027%
98	8.669	8.662	8.681	VV	388	3508	0.03%	0.008%
99	8.703	8.681	8.721	VV	466	7753	0.08%	0.017%
100	8.743	8.721	8.768	VV	2343	28856	0.28%	0.062%
101	8.779	8.768	8.786	VV	234	2015	0.02%	0.004%
102	8.816	8.786	8.888	VV	1358	26401	0.26%	0.056%
103	8.932	8.888	8.960	VV	634	12780	0.12%	0.027%
104	8.999	8.960	9.034	VV	348	11287	0.11%	0.024%
105	9.062	9.034	9.084	VV	441	7162	0.07%	0.015%
106	9.117	9.084	9.142	VV	487	14092	0.14%	0.030%
107	9.151	9.142	9.164	VV	386	4635	0.05%	0.010%
108	9.188	9.164	9.232	VV	7116	84654	0.83%	0.181%
109	9.245	9.232	9.265	VV	238	3261	0.03%	0.007%
110	9.280	9.265	9.324	VV	280	4676	0.05%	0.010%
111	9.341	9.324	9.359	PV	436	4677	0.05%	0.010%
112	9.382	9.359	9.494	VV	9763	202110	1.97%	0.432%
113	9.508	9.494	9.528	VV	755	9833	0.10%	0.021%
114	9.544	9.528	9.569	VV	552	8826	0.09%	0.019%
115	9.577	9.569	9.614	VV	337	5415	0.05%	0.012%
116	9.655	9.614	9.711	VV	1149	30039	0.29%	0.064%
117	9.743	9.711	9.773	VV	532	10696	0.10%	0.023%
118	9.819	9.773	9.838	VV	276	5035	0.05%	0.011%
119	9.856	9.838	9.884	VV	363	6602	0.06%	0.014%
120	9.902	9.884	9.915	VV	441	4705	0.05%	0.010%
121	9.949	9.915	9.968	VV	691	14667	0.14%	0.031%
122	9.981	9.968	9.994	VV	335	4565	0.04%	0.010%
123	10.012	9.994	10.034	VV	523	8658	0.08%	0.019%
124	10.047	10.034	10.076	VV	936	12414	0.12%	0.027%
125	10.088	10.076	10.124	VV	380	7157	0.07%	0.015%
126	10.162	10.124	10.171	VV	367	7008	0.07%	0.015%
127	10.196	10.171	10.215	VV	595	11700	0.11%	0.025%
128	10.244	10.215	10.281	VV	14200	170904	1.67%	0.365%
129	10.294	10.281	10.332	VV	1027	21926	0.21%	0.047%
130	10.337	10.332	10.401	VV	700	15480	0.15%	0.033%
131	10.416	10.401	10.444	VV	360	7094	0.07%	0.015%
132	10.464	10.444	10.482	VV	848	13731	0.13%	0.029%
133	10.535	10.482	10.595	VV	3069	88412	0.86%	0.189%
134	10.624	10.595	10.651	VV	673	16906	0.16%	0.036%
135	10.657	10.651	10.694	VV	519	8397	0.08%	0.018%
136	10.714	10.694	10.737	VV	1072	14096	0.14%	0.030%
137	10.760	10.737	10.791	VV	1799	25305	0.25%	0.054%
138	10.827	10.791	10.858	VV	5211	67162	0.65%	0.144%
139	10.891	10.858	10.928	VV	3059	54713	0.53%	0.117%
140	10.941	10.928	10.958	VV	961	11537	0.11%	0.025%
141	10.975	10.958	11.002	VV	2189	29529	0.29%	0.063%

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142	11.026	11.002	11.047	VV	1400	22319	0.22%	0.048%
143	11.060	11.047	11.075	VV	767	9182	0.09%	0.020%
144	11.103	11.075	11.123	VV	3676	47684	0.46%	0.102%
145	11.135	11.123	11.159	VV	1041	15473	0.15%	0.033%
146	11.183	11.159	11.202	VV	1944	25280	0.25%	0.054%
147	11.242	11.202	11.291	VV	937250	10255082	100.00%	21.927%
148	11.303	11.291	11.325	VV	1333	23328	0.23%	0.050%
149	11.358	11.325	11.398	VV	2276	55334	0.54%	0.118%
150	11.412	11.398	11.431	VV	1079	15872	0.15%	0.034%
151	11.458	11.431	11.474	VV	1276	21505	0.21%	0.046%
152	11.493	11.474	11.538	VV	851	16601	0.16%	0.035%
153	11.561	11.538	11.584	VV	278	4684	0.05%	0.010%
154	11.611	11.584	11.623	PV	1760	20664	0.20%	0.044%
155	11.640	11.623	11.674	VV	2697	40416	0.39%	0.086%
156	11.714	11.674	11.723	VV	2381	44066	0.43%	0.094%
157	11.739	11.723	11.760	VV	3965	54897	0.54%	0.117%
158	11.791	11.760	11.813	VV	1768	42620	0.42%	0.091%
159	11.859	11.813	11.976	VV	51058	660059	6.44%	1.411%
160	11.996	11.976	12.021	VV	916	17041	0.17%	0.036%
161	12.048	12.021	12.075	VV	676	19555	0.19%	0.042%
162	12.102	12.075	12.129	VV	4110	53520	0.52%	0.114%
163	12.152	12.129	12.169	VV	1474	21717	0.21%	0.046%
164	12.192	12.169	12.211	VV	2447	37687	0.37%	0.081%
165	12.260	12.211	12.281	VV	2825	56946	0.56%	0.122%
166	12.301	12.281	12.346	VV	5527	102270	1.00%	0.219%
167	12.379	12.346	12.406	VV	2470	41086	0.40%	0.088%
168	12.425	12.406	12.469	VV	2525	43329	0.42%	0.093%
169	12.496	12.469	12.516	VV	1571	28423	0.28%	0.061%
170	12.541	12.516	12.566	VV	14823	176100	1.72%	0.377%
171	12.612	12.566	12.651	VV	11102	246495	2.40%	0.527%
172	12.682	12.651	12.724	VV	475945	5505819	53.69%	11.772%
173	12.748	12.724	12.789	VV	16972	201700	1.97%	0.431%
174	12.814	12.789	12.831	VV	1153	18838	0.18%	0.040%
175	12.863	12.831	12.901	VV	12251	177021	1.73%	0.378%
176	12.920	12.901	12.935	VV	3093	44073	0.43%	0.094%
177	12.949	12.935	12.964	VV	2385	35375	0.34%	0.076%
178	12.974	12.964	13.003	VV	2208	31643	0.31%	0.068%
179	13.034	13.003	13.059	VV	15425	192166	1.87%	0.411%
180	13.081	13.059	13.146	VV	10036	158074	1.54%	0.338%
181	13.212	13.146	13.221	VV	887	31815	0.31%	0.068%
182	13.239	13.221	13.258	VV	1352	22676	0.22%	0.048%
183	13.270	13.258	13.291	VV	1074	17077	0.17%	0.037%
184	13.307	13.291	13.324	VV	735	11601	0.11%	0.025%
185	13.345	13.324	13.367	VV	1323	20496	0.20%	0.044%
186	13.388	13.367	13.415	VV	1068	17683	0.17%	0.038%
187	13.461	13.415	13.488	VV	1082	30092	0.29%	0.064%
188	13.560	13.488	13.593	VV	5262	149697	1.46%	0.320%
189	13.613	13.593	13.645	VV	4066	50983	0.50%	0.109%
190	13.661	13.645	13.750	VV	364	10028	0.10%	0.021%
191	13.788	13.750	13.797	PV	978	14814	0.14%	0.032%
192	13.819	13.797	13.848	VV	3080	51971	0.51%	0.111%
193	13.860	13.848	13.894	VV	1143	19794	0.19%	0.042%
194	13.951	13.894	13.977	VV	15466	213482	2.08%	0.456%

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195	13.990	13.977	14.009	VV	2391	35071	0.34%	0.075%
196	14.054	14.009	14.104	VV	2644	88534	0.86%	0.189%
197	14.118	14.104	14.136	VV	726	10373	0.10%	0.022%
198	14.162	14.136	14.189	VV	1481	25939	0.25%	0.055%
199	14.217	14.189	14.261	VV	1387	26243	0.26%	0.056%
200	14.282	14.261	14.299	VV	472	5839	0.06%	0.012%
201	14.327	14.299	14.351	VV	381	7701	0.08%	0.016%
202	14.374	14.351	14.398	VV	1250	18434	0.18%	0.039%
203	14.428	14.398	14.464	VV	9288	123558	1.20%	0.264%
204	14.483	14.464	14.498	VV	2526	40233	0.39%	0.086%
205	14.518	14.498	14.553	VV	2813	65995	0.64%	0.141%
206	14.570	14.553	14.589	VV	1528	23066	0.22%	0.049%
207	14.605	14.589	14.654	VV	1036	20819	0.20%	0.045%
208	14.702	14.654	14.724	PV	411	9621	0.09%	0.021%
209	14.752	14.724	14.760	VV	529	6137	0.06%	0.013%
210	14.777	14.760	14.806	VV	983	13309	0.13%	0.028%
211	14.836	14.806	14.867	VV	987	21683	0.21%	0.046%
212	14.902	14.867	14.985	VV	32179	492323	4.80%	1.053%
213	14.998	14.985	15.016	VV	777	11722	0.11%	0.025%
214	15.049	15.016	15.074	VV	2342	43476	0.42%	0.093%
215	15.094	15.074	15.134	VV	2426	38321	0.37%	0.082%
216	15.155	15.134	15.178	VV	669	13289	0.13%	0.028%
217	15.197	15.178	15.223	VV	649	10471	0.10%	0.022%
218	15.260	15.223	15.334	VV	1751	56729	0.55%	0.121%
219	15.358	15.334	15.391	VV	766	18403	0.18%	0.039%
220	15.418	15.391	15.467	VV	2788	50639	0.49%	0.108%
221	15.495	15.467	15.525	VV	1744	32109	0.31%	0.069%
222	15.545	15.525	15.573	VV	856	12613	0.12%	0.027%
223	15.602	15.573	15.638	VV	2678	37271	0.36%	0.080%
224	15.655	15.638	15.666	PV	190	1640	0.02%	0.004%
225	15.705	15.666	15.734	VV	499	11502	0.11%	0.025%
226	15.758	15.734	15.778	VV	516	10340	0.10%	0.022%
227	15.814	15.778	15.844	VV	553	16850	0.16%	0.036%
228	15.909	15.844	15.999	VV	39379	639146	6.23%	1.367%
229	16.027	15.999	16.053	VV	5730	90380	0.88%	0.193%
230	16.074	16.053	16.141	VV	2791	79682	0.78%	0.170%
231	16.163	16.141	16.204	VV	1005	22665	0.22%	0.048%
232	16.237	16.204	16.250	VV	963	16606	0.16%	0.036%
233	16.275	16.250	16.314	VV	1602	40863	0.40%	0.087%
234	16.345	16.314	16.365	VV	2411	39840	0.39%	0.085%
235	16.388	16.365	16.406	VV	3571	60496	0.59%	0.129%
236	16.418	16.406	16.450	VV	2557	51542	0.50%	0.110%
237	16.485	16.450	16.507	VV	2462	57449	0.56%	0.123%
238	16.529	16.507	16.542	VV	2977	41794	0.41%	0.089%
239	16.562	16.542	16.664	VV	5956	118610	1.16%	0.254%
240	16.694	16.664	16.715	VV	1403	34484	0.34%	0.074%
241	16.724	16.715	16.744	VV	1347	19285	0.19%	0.041%
242	16.846	16.744	16.901	VV	29579	543573	5.30%	1.162%
243	16.936	16.901	16.974	VV	9720	175168	1.71%	0.375%
244	17.016	16.974	17.034	VV	1868	50982	0.50%	0.109%
245	17.073	17.034	17.101	VV	1898	53109	0.52%	0.114%
246	17.117	17.101	17.131	VV	1220	19077	0.19%	0.041%

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247	17.166	17.131	17.191	VV	1566	47996	0.47%	0.103%
248	17.213	17.191	17.241	VV	1550	38681	0.38%	0.083%
249	17.296	17.241	17.308	VV	2642	73293	0.71%	0.157%
250	17.331	17.308	17.352	VV	5923	107906	1.05%	0.231%
251	17.371	17.352	17.394	VV	5156	90253	0.88%	0.193%
252	17.414	17.394	17.427	VV	2865	49966	0.49%	0.107%
253	17.456	17.427	17.484	VV	9145	162407	1.58%	0.347%
254	17.565	17.484	17.588	VV	5533	197302	1.92%	0.422%
255	17.597	17.588	17.613	VV	2523	35704	0.35%	0.076%
256	17.691	17.613	17.702	VV	16130	328249	3.20%	0.702%
257	17.721	17.702	17.735	VV	27623	404710	3.95%	0.865%
258	17.756	17.735	17.779	VV	48128	786724	7.67%	1.682%
259	17.790	17.779	17.824	VV	15640	268649	2.62%	0.574%
260	17.835	17.824	17.859	VV	4926	92671	0.90%	0.198%
261	17.880	17.859	17.942	VV	4994	167500	1.63%	0.358%
262	17.998	17.942	18.015	VV	2874	113103	1.10%	0.242%
263	18.036	18.015	18.072	VV	4430	113940	1.11%	0.244%
264	18.094	18.072	18.114	VV	3481	73450	0.72%	0.157%
265	18.143	18.114	18.163	VV	6674	140025	1.37%	0.299%
266	18.190	18.163	18.218	VV	11250	237435	2.32%	0.508%
267	18.227	18.218	18.253	VV	4231	81902	0.80%	0.175%
268	18.293	18.253	18.344	VV	12736	356458	3.48%	0.762%
269	18.361	18.344	18.404	VV	3927	126792	1.24%	0.271%
270	18.426	18.404	18.444	VV	4510	91280	0.89%	0.195%
271	18.514	18.444	18.527	VV	23395	497153	4.85%	1.063%
272	18.546	18.527	18.584	VV	28227	664654	6.48%	1.421%
273	18.595	18.584	18.648	VV	10103	323978	3.16%	0.693%
274	18.673	18.648	18.719	VV	8251	278828	2.72%	0.596%
275	18.738	18.719	18.751	VV	5378	96342	0.94%	0.206%
276	18.781	18.751	18.806	VV	13037	279578	2.73%	0.598%
277	18.822	18.806	18.838	VV	6274	111629	1.09%	0.239%
278	18.849	18.838	18.870	VV	6134	101378	0.99%	0.217%
279	18.900	18.870	18.920	VV	4757	128399	1.25%	0.275%
280	18.962	18.920	18.985	VV	13636	304433	2.97%	0.651%
281	19.004	18.985	19.059	VV	11587	314146	3.06%	0.672%
282	19.083	19.059	19.102	VV	8322	163268	1.59%	0.349%
283	19.118	19.102	19.168	VV	5742	196117	1.91%	0.419%
284	19.200	19.168	19.240	VV	8297	285046	2.78%	0.609%
285	19.268	19.240	19.293	VV	22570	413172	4.03%	0.883%
286	19.316	19.293	19.360	VV	12664	352752	3.44%	0.754%
287	19.382	19.360	19.415	VV	7219	207878	2.03%	0.444%
288	19.449	19.415	19.485	VV	5794	231325	2.26%	0.495%
289	19.497	19.485	19.524	VV	5211	115544	1.13%	0.247%
290	19.545	19.524	19.571	VV	6565	156734	1.53%	0.335%
291	19.603	19.571	19.660	VV	15046	416501	4.06%	0.891%
292	19.710	19.660	19.728	VV	5601	203723	1.99%	0.436%
293	19.740	19.728	19.758	VV	5127	90674	0.88%	0.194%
294	19.787	19.758	19.814	VV	6113	184676	1.80%	0.395%
295	19.852	19.814	19.894	VV	6708	273075	2.66%	0.584%
296	19.911	19.894	19.935	VV	5463	122439	1.19%	0.262%
297	19.980	19.935	20.023	VV	8182	346994	3.38%	0.742%
298	20.048	20.023	20.070	VV	6098	162176	1.58%	0.347%
299	20.096	20.070	20.147	VV	7663	268217	2.62%	0.573%

					rteres			
300	20.160	20.147	20.172	VV	4590	68116	0.66%	0.146%
301	20.216	20.172	20.230	VV	5546	174894	1.71%	0.374%
302	20.257	20.230	20.281	VV	7538	199048	1.94%	0.426%
303	20.295	20.281	20.311	VV	5787	101691	0.99%	0.217%
304	20.331	20.311	20.374	VV	6699	220446	2.15%	0.471%
305	20.416	20.374	20.459	VV	17775	487381	4.75%	1.042%
306	20.482	20.459	20.518	VV	8187	243051	2.37%	0.520%
307	20.528	20.518	20.563	VV	5947	156009	1.52%	0.334%
308	20.629	20.563	20.680	VV	8004	416073	4.06%	0.890%
309	20.728	20.680	20.754	VV	7562	264045	2.57%	0.565%
310	20.769	20.754	20.781	VV	5963	94227	0.92%	0.201%
311	20.800	20.781	20.860	VV	6265	251430	2.45%	0.538%
312	20.887	20.860	20.940	VV	4568	209799	2.05%	0.449%
313	20.954	20.940	20.964	VV	4311	62113	0.61%	0.133%
314	20.986	20.964	21.003	VV	4274	98896	0.96%	0.211%
315	21.030	21.003	21.044	VV	4852	113423	1.11%	0.243%
316	21.060	21.044	21.111	VV	5220	169814	1.66%	0.363%
317	21.129	21.111	21.161	VV	3416	100617	0.98%	0.215%
318	21.187	21.161	21.224	VV	3536	126024	1.23%	0.269%
319	21.267	21.224	21.319	VV	5242	224485	2.19%	0.480%
320	21.355	21.319	21.461	VV	4559	307815	3.00%	0.658%
321	21.467	21.461	21.474	VV	2898	22113	0.22%	0.047%
322	21.505	21.474	21.578	VV	3896	196556	1.92%	0.420%
323	21.703	21.578	21.785	VV	3745	376086	3.67%	0.804%
324	21.803	21.785	21.831	VV	2596	68661	0.67%	0.147%
325	21.844	21.831	21.861	VV	2537	43612	0.43%	0.093%
326	21.904	21.861	21.973	VV	4155	199787	1.95%	0.427%
327	22.007	21.973	22.048	VV	2060	81763	0.80%	0.175%
328	22.058	22.048	22.088	VV	1764	35798	0.35%	0.077%
329	22.105	22.088	22.139	VV	1571	46508	0.45%	0.099%
330	22.146	22.139	22.156	VV	1479	15009	0.15%	0.032%
331	22.172	22.156	22.266	VV	1687	94311	0.92%	0.202%
332	22.278	22.266	22.327	VV	1244	36911	0.36%	0.079%
333	22.365	22.327	22.412	VV	1570	58811	0.57%	0.126%
334	22.422	22.412	22.431	VV	798	9025	0.09%	0.019%
335	22.436	22.431	22.441	VV	908	5332	0.05%	0.011%
336	22.463	22.441	22.534	VV	982	38924	0.38%	0.083%
337	22.555	22.534	22.567	VV	532	9983	0.10%	0.021%
338	22.577	22.567	22.588	VV	579	6120	0.06%	0.013%
339	22.686	22.588	22.739	VV	2001	109056	1.06%	0.233%
340	22.752	22.739	22.871	VV	1624	67394	0.66%	0.144%
341	22.877	22.871	22.910	VV	284	4554	0.04%	0.010%
342	22.923	22.910	22.972	VV	256	4169	0.04%	0.009%
343	22.991	22.972	23.001	PBA	142	8762	0.09%	0.019%
Sum of corrected areas:					46769606			

Aliphatic EPH 012425.M Tue Feb 04 01:43:00 2025

Report of Analysis

Client:	Sciaccia General Contractors, LLC	Date Collected:	01/30/25
Project:	1063 Lafayette Ave, Hawthorne, NJ	Date Received:	01/30/25
Client Sample ID:	5	SDG No.:	Q1236
Lab Sample ID:	Q1236-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.1
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
01/31/25 12:05	01/31/25 19:44	PB166432

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	6.65		1	2.07	4.80	mg/kg	FD049031.D
Total EPH	Total EPH	6.65			2.07	4.80	mg/kg	

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	01/30/25
Project:	1063 Lafayette Ave, Hawthorne, NJ	Date Received:	01/30/25
Client Sample ID:	5	SDG No.:	Q1236
Lab Sample ID:	Q1236-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.1
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049031.D	1	01/31/25	01/31/25	PB166432

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	6.65		2.07	4.80	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	11.4		2.16	2.41	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	23.4		40 - 140	47%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	24.4		40 - 140	49%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1236-07	Acq On:	31 Jan 2025 19:44
Client Sample ID:	5	Operator:	YP/AJ
Data file:	FD049031.D	Misc:	
Instrument:	FID_D	ALS Vial:	68
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.006	6.243	3236243	19.871	300	ug/ml
Aliphatic C12-C16	6.244	9.612	2161337	12.799	200	ug/ml
Aliphatic C16-C21	9.613	12.953	3827261	22.135	300	ug/ml
Aliphatic C21-C28	12.954	16.592	4760344	28.24	400	ug/ml
Aliphatic C28-C40	16.593	21.288	18736792	142.503	600	ug/ml
Aliphatic EPH	3.006	21.288	32721977	225.548		ug/ml
ortho-Terphenyl (SURR)	11.239	11.239	4711799	24.4		ug/ml
1-chlorooctadecane (SURR)	12.681	12.681	3436628	23.41		ug/ml
Aliphatic C9-C28	3.006	16.592	13985185	83.045	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD013125AL\
 Data File : FD049031.D
 Signal(s) : FID2B.ch
 Acq On : 31 Jan 2025 19:44
 Operator : YP/AJ
 Sample : Q1236-07
 Misc :
 ALS Vial : 68 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 5

Integration File: autoint1.e
 Quant Time: Feb 01 03:48:37 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.M
 Quant Title : GC Extractables
 QLast Update : Sat Jan 25 05:57:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.239	4711799	24.402 ug/ml
Spiked Amount	50.000	Recovery	= 48.80%
12) S 1-chlorooctadecane (S...	12.681	3436628	23.413 ug/ml
Spiked Amount	50.000	Recovery	= 46.83%

Target Compounds

(f)=RT Delta > 1/2 Window

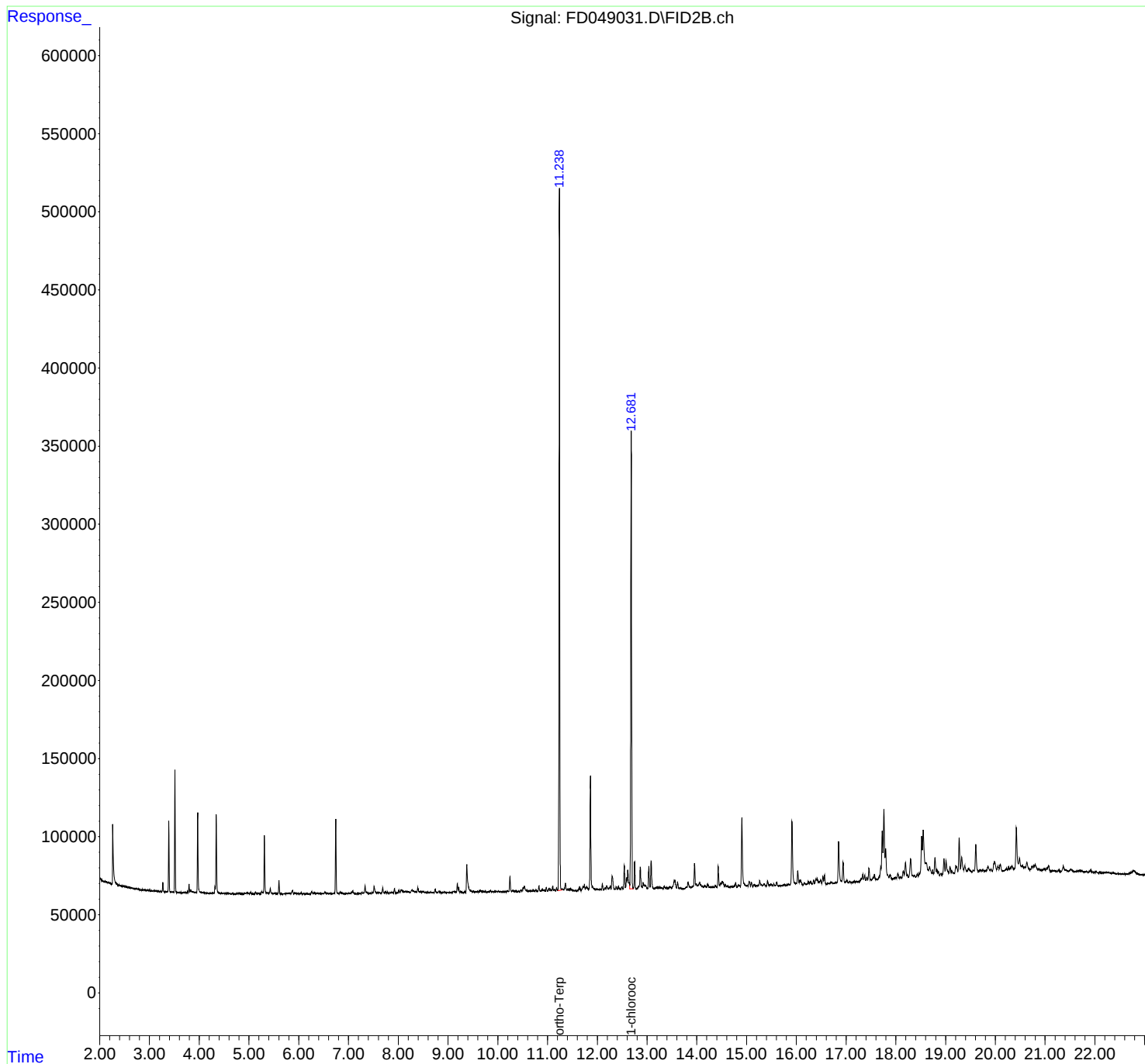
(m)=manual int.

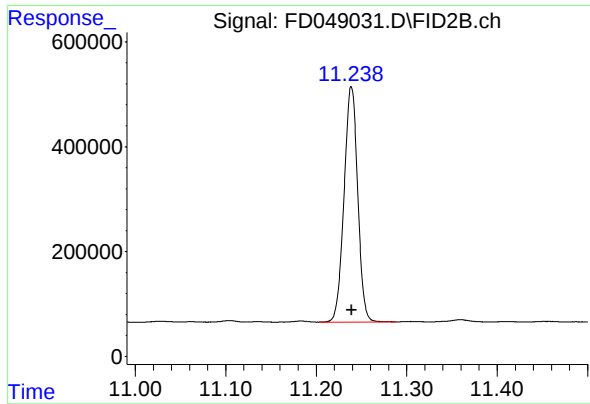
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD013125AL\
Data File : FD049031.D
Signal(s) : FID2B.ch
Acq On : 31 Jan 2025 19:44
Operator : YP/AJ
Sample : Q1236-07
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
5

Integration File: autoint1.e
Quant Time: Feb 01 03:48:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 05:57:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

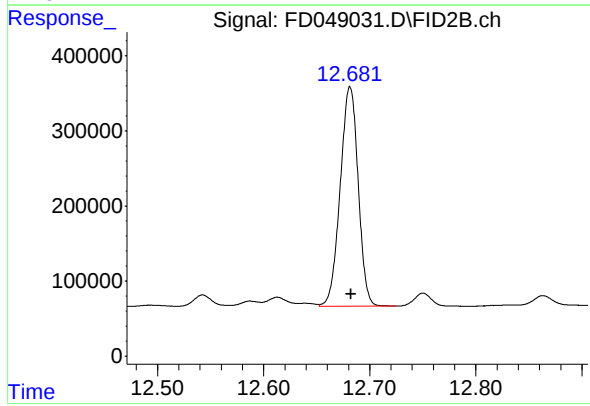




#9 ortho-Terphenyl (SURR)

R.T.: 11.239 min
Delta R.T.: 0.000 min
Response: 4711799
Conc: 24.40 ug/ml

Instrument :
FID_D
ClientSampleId :
5



#12 1-chlorooctadecane (SURR)

R.T.: 12.681 min
Delta R.T.: 0.000 min
Response: 3436628
Conc: 23.41 ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD013125AL\
 Data File : FD049031.D
 Signal(s) : FID2B.ch
 Acq On : 31 Jan 2025 19:44
 Sample : Q1236-07
 Misc :
 ALS Vial : 68 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.M
 Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.856	2.798	2.874	BV	116	-2043	-0.04%	-0.005%
2	2.886	2.874	2.908	PV	278	2858	0.06%	0.007%
3	2.912	2.908	2.931	VV	246	1781	0.04%	0.004%
4	2.941	2.931	2.954	VV	196	1740	0.04%	0.004%
5	2.966	2.954	3.048	VV	227	3797	0.08%	0.009%
6	3.080	3.048	3.132	PV	268	6211	0.13%	0.014%
7	3.161	3.132	3.207	PV	292	7223	0.15%	0.017%
8	3.221	3.207	3.251	VV	258	3098	0.07%	0.007%
9	3.269	3.251	3.304	VV	6075	54350	1.14%	0.125%
10	3.331	3.304	3.342	PV	224	3179	0.07%	0.007%
11	3.389	3.342	3.425	VV	45226	384735	8.10%	0.887%
12	3.441	3.425	3.451	VV	273	2731	0.06%	0.006%
13	3.458	3.451	3.468	VV	268	2113	0.04%	0.005%
14	3.473	3.468	3.488	VV	287	3167	0.07%	0.007%
15	3.512	3.488	3.561	VV	78215	659072	13.88%	1.520%
16	3.567	3.561	3.599	VV	313	4598	0.10%	0.011%
17	3.626	3.599	3.654	PV	371	3638	0.08%	0.008%
18	3.675	3.654	3.704	VV	185	4479	0.09%	0.010%
19	3.722	3.704	3.749	VV	294	5474	0.12%	0.013%
20	3.768	3.749	3.781	VV	951	10636	0.22%	0.025%
21	3.795	3.781	3.811	VV	5811	52416	1.10%	0.121%
22	3.827	3.811	3.914	VV	1709	61652	1.30%	0.142%
23	3.937	3.914	3.946	VV	595	10680	0.22%	0.025%
24	3.969	3.946	4.047	VV	51231	508514	10.71%	1.172%
25	4.063	4.047	4.112	VV	485	16460	0.35%	0.038%
26	4.120	4.112	4.185	VV	369	10144	0.21%	0.023%
27	4.229	4.185	4.238	VV	148	2873	0.06%	0.007%
28	4.258	4.238	4.285	VV	510	7024	0.15%	0.016%
29	4.342	4.285	4.437	VV	50552	540237	11.38%	1.246%
30	4.448	4.437	4.496	VV	333	6907	0.15%	0.016%
31	4.505	4.496	4.518	VV	228	2100	0.04%	0.005%
32	4.526	4.518	4.540	VV	199	1904	0.04%	0.004%
33	4.555	4.540	4.566	VV	297	2834	0.06%	0.007%
34	4.572	4.566	4.591	VV	188	1501	0.03%	0.003%
35	4.611	4.591	4.648	VV	261	4515	0.10%	0.010%
36	4.671	4.648	4.692	VV	446	5743	0.12%	0.013%

					rteres			
37	4.716	4.692	4.731	PV	155	2664	0.06%	0.006%
38	4.748	4.731	4.764	PV	451	5010	0.11%	0.012%
39	4.780	4.764	4.843	VV	398	11389	0.24%	0.026%
40	4.854	4.843	4.868	VV	172	1776	0.04%	0.004%
41	4.944	4.868	4.954	VV	764	17275	0.36%	0.040%
42	4.968	4.954	5.006	VV	967	17256	0.36%	0.040%
43	5.032	5.006	5.065	VV	1169	23012	0.48%	0.053%
44	5.076	5.065	5.094	VV	322	3383	0.07%	0.008%
45	5.134	5.094	5.160	PV	1398	17248	0.36%	0.040%
46	5.188	5.160	5.226	VV	515	12340	0.26%	0.028%
47	5.258	5.226	5.291	VV	1556	35689	0.75%	0.082%
48	5.310	5.291	5.392	VV	36845	393702	8.29%	0.908%
49	5.429	5.392	5.479	VV	3828	58356	1.23%	0.135%
50	5.523	5.479	5.545	VV	631	16921	0.36%	0.039%
51	5.555	5.545	5.570	VV	309	4128	0.09%	0.010%
52	5.603	5.570	5.698	VV	8824	100013	2.11%	0.231%
53	5.759	5.698	5.839	VV	440	30724	0.65%	0.071%
54	5.874	5.839	5.906	VV	2503	46677	0.98%	0.108%
55	5.925	5.906	5.981	VV	703	19227	0.40%	0.044%
56	6.045	5.981	6.076	VV	516	16391	0.35%	0.038%
57	6.102	6.076	6.119	VV	271	4327	0.09%	0.010%
58	6.151	6.119	6.165	VV	214	4515	0.10%	0.010%
59	6.178	6.165	6.231	VV	232	4012	0.08%	0.009%
60	6.261	6.231	6.285	PV	1612	23118	0.49%	0.053%
61	6.311	6.285	6.354	VV	819	24543	0.52%	0.057%
62	6.376	6.354	6.390	VV	478	8751	0.18%	0.020%
63	6.398	6.390	6.424	VV	513	7762	0.16%	0.018%
64	6.446	6.424	6.468	VV	508	10141	0.21%	0.023%
65	6.480	6.468	6.496	VV	423	6023	0.13%	0.014%
66	6.528	6.496	6.559	VV	1104	25127	0.53%	0.058%
67	6.580	6.559	6.614	VV	501	10147	0.21%	0.023%
68	6.622	6.614	6.631	VV	284	2601	0.05%	0.006%
69	6.645	6.631	6.655	VV	345	4513	0.10%	0.010%
70	6.662	6.655	6.683	VV	341	4358	0.09%	0.010%
71	6.745	6.683	6.798	VV	48030	488375	10.29%	1.126%
72	6.832	6.798	6.899	VV	934	31856	0.67%	0.073%
73	6.907	6.899	6.923	VV	211	2322	0.05%	0.005%
74	6.972	6.923	6.994	VV	319	9725	0.20%	0.022%
75	7.030	6.994	7.047	VV	516	13284	0.28%	0.031%
76	7.087	7.047	7.138	VV	2253	39934	0.84%	0.092%
77	7.147	7.138	7.164	PV	180	1789	0.04%	0.004%
78	7.229	7.164	7.250	VV	290	8579	0.18%	0.020%
79	7.272	7.250	7.288	VV	1123	13433	0.28%	0.031%
80	7.334	7.288	7.408	VV	5207	89018	1.87%	0.205%
81	7.419	7.408	7.458	VV	282	7068	0.15%	0.016%
82	7.481	7.458	7.494	VV	1006	11943	0.25%	0.028%
83	7.516	7.494	7.563	VV	4641	75962	1.60%	0.175%
84	7.580	7.563	7.596	VV	748	11314	0.24%	0.026%
85	7.622	7.596	7.648	VV	780	14783	0.31%	0.034%
86	7.689	7.648	7.721	VV	3628	54994	1.16%	0.127%
87	7.748	7.721	7.768	VV	1314	22678	0.48%	0.052%
88	7.783	7.768	7.834	VV	945	19588	0.41%	0.045%
89	7.867	7.834	7.896	VV	697	19017	0.40%	0.044%

					rteres			
90	7.925	7.896	7.947	VV	3232	40898	0.86%	0.094%
91	7.970	7.947	7.985	VV	545	8565	0.18%	0.020%
92	8.014	7.985	8.034	VV	2008	27625	0.58%	0.064%
93	8.055	8.034	8.126	VV	2123	79983	1.68%	0.184%
94	8.144	8.126	8.185	VV	1299	36671	0.77%	0.085%
95	8.193	8.185	8.240	VV	885	23034	0.49%	0.053%
96	8.271	8.240	8.294	VV	1937	45062	0.95%	0.104%
97	8.307	8.294	8.325	VV	1732	25922	0.55%	0.060%
98	8.341	8.325	8.370	VV	1182	25731	0.54%	0.059%
99	8.394	8.370	8.435	VV	3614	63518	1.34%	0.146%
100	8.455	8.435	8.470	VV	1224	18535	0.39%	0.043%
101	8.484	8.470	8.491	VV	837	9425	0.20%	0.022%
102	8.508	8.491	8.532	VV	1176	19758	0.42%	0.046%
103	8.548	8.532	8.572	VV	592	11153	0.23%	0.026%
104	8.594	8.572	8.633	VV	568	16040	0.34%	0.037%
105	8.651	8.633	8.696	VV	688	15076	0.32%	0.035%
106	8.706	8.696	8.721	VV	576	5686	0.12%	0.013%
107	8.744	8.721	8.768	VV	2511	32074	0.68%	0.074%
108	8.778	8.768	8.798	VV	323	5064	0.11%	0.012%
109	8.818	8.798	8.872	VV	1300	21358	0.45%	0.049%
110	8.922	8.872	8.971	PV	650	16367	0.34%	0.038%
111	8.994	8.971	9.051	VV	468	12279	0.26%	0.028%
112	9.075	9.051	9.084	VV	211	3313	0.07%	0.008%
113	9.105	9.084	9.163	VV	891	27336	0.58%	0.063%
114	9.189	9.163	9.205	VV	6037	70169	1.48%	0.162%
115	9.217	9.205	9.239	VV	3547	38396	0.81%	0.089%
116	9.251	9.239	9.277	VV	610	9250	0.19%	0.021%
117	9.292	9.277	9.315	VV	227	2965	0.06%	0.007%
118	9.341	9.315	9.356	PV	639	6309	0.13%	0.015%
119	9.379	9.356	9.494	VV	18170	344393	7.25%	0.794%
120	9.512	9.494	9.532	VV	904	13446	0.28%	0.031%
121	9.548	9.532	9.564	VV	503	7880	0.17%	0.018%
122	9.581	9.564	9.614	VV	595	15310	0.32%	0.035%
123	9.656	9.614	9.718	VV	1406	43510	0.92%	0.100%
124	9.744	9.718	9.777	VV	693	13860	0.29%	0.032%
125	9.852	9.777	9.886	PV	920	28140	0.59%	0.065%
126	9.901	9.886	9.921	VV	517	7759	0.16%	0.018%
127	9.950	9.921	9.991	VV	547	18016	0.38%	0.042%
128	10.013	9.991	10.037	VV	696	12914	0.27%	0.030%
129	10.050	10.037	10.075	VV	555	8434	0.18%	0.019%
130	10.093	10.075	10.124	VV	288	6280	0.13%	0.014%
131	10.138	10.124	10.174	VV	460	7276	0.15%	0.017%
132	10.194	10.174	10.219	VV	972	15766	0.33%	0.036%
133	10.246	10.219	10.281	VV	9983	122234	2.57%	0.282%
134	10.297	10.281	10.368	VV	1082	30058	0.63%	0.069%
135	10.384	10.368	10.401	VV	495	5884	0.12%	0.014%
136	10.464	10.401	10.487	VV	1134	26179	0.55%	0.060%
137	10.509	10.487	10.522	VV	2845	39191	0.83%	0.090%
138	10.536	10.522	10.594	VV	3720	76435	1.61%	0.176%
139	10.620	10.594	10.647	VV	683	18608	0.39%	0.043%
140	10.659	10.647	10.690	VV	500	10928	0.23%	0.025%
141	10.714	10.690	10.743	VV	998	18715	0.39%	0.043%

					rteres			
142	10.762	10.743	10.788	VV	1269	17088	0.36%	0.039%
143	10.829	10.788	10.856	VV	3679	48841	1.03%	0.113%
144	10.895	10.856	10.927	VV	1845	36385	0.77%	0.084%
145	10.941	10.927	10.957	VV	1036	11361	0.24%	0.026%
146	10.975	10.957	11.002	VV	2606	31970	0.67%	0.074%
147	11.028	11.002	11.049	VV	2004	33796	0.71%	0.078%
148	11.061	11.049	11.084	VV	1253	19025	0.40%	0.044%
149	11.104	11.084	11.122	VV	3268	41886	0.88%	0.097%
150	11.135	11.122	11.155	VV	1360	17847	0.38%	0.041%
151	11.183	11.155	11.203	VV	2434	34679	0.73%	0.080%
152	11.239	11.203	11.291	VV	451333	4748108	100.00%	10.947%
153	11.305	11.291	11.328	VV	1577	26803	0.56%	0.062%
154	11.360	11.328	11.392	VV	5244	90611	1.91%	0.209%
155	11.411	11.392	11.430	VV	1463	22874	0.48%	0.053%
156	11.456	11.430	11.474	VV	1625	30593	0.64%	0.071%
157	11.487	11.474	11.534	VV	991	19925	0.42%	0.046%
158	11.547	11.534	11.585	VV	398	8532	0.18%	0.020%
159	11.640	11.585	11.668	PV	2733	49360	1.04%	0.114%
160	11.714	11.668	11.725	VV	3155	57294	1.21%	0.132%
161	11.741	11.725	11.760	VV	4276	55455	1.17%	0.128%
162	11.791	11.760	11.816	VV	2409	61299	1.29%	0.141%
163	11.862	11.816	11.972	VV	73418	967387	20.37%	2.230%
164	12.000	11.972	12.021	VV	978	23916	0.50%	0.055%
165	12.038	12.021	12.077	VV	891	24528	0.52%	0.057%
166	12.103	12.077	12.130	VV	4245	59759	1.26%	0.138%
167	12.154	12.130	12.167	VV	1747	25602	0.54%	0.059%
168	12.189	12.167	12.238	VV	2881	70664	1.49%	0.163%
169	12.262	12.238	12.277	VV	2881	45088	0.95%	0.104%
170	12.301	12.277	12.353	VV	9070	176558	3.72%	0.407%
171	12.381	12.353	12.408	VV	2209	38072	0.80%	0.088%
172	12.427	12.408	12.471	VV	2647	47676	1.00%	0.110%
173	12.494	12.471	12.518	VV	2120	35811	0.75%	0.083%
174	12.543	12.518	12.567	VV	15688	193197	4.07%	0.445%
175	12.588	12.567	12.597	VV	7511	88295	1.86%	0.204%
176	12.613	12.597	12.651	VV	12714	222369	4.68%	0.513%
177	12.681	12.651	12.724	VV	293559	3471312	73.11%	8.003%
178	12.750	12.724	12.793	VV	18008	216549	4.56%	0.499%
179	12.863	12.793	12.904	VV	14487	262018	5.52%	0.604%
180	12.922	12.904	12.939	VV	4399	65976	1.39%	0.152%
181	12.950	12.939	12.964	VV	3003	37985	0.80%	0.088%
182	12.976	12.964	13.004	VV	2580	39952	0.84%	0.092%
183	13.034	13.004	13.058	VV	14951	187571	3.95%	0.432%
184	13.082	13.058	13.147	VV	18044	260613	5.49%	0.601%
185	13.200	13.147	13.224	VV	1445	45274	0.95%	0.104%
186	13.242	13.224	13.261	VV	1513	25448	0.54%	0.059%
187	13.272	13.261	13.292	VV	1221	18670	0.39%	0.043%
188	13.303	13.292	13.322	VV	921	12686	0.27%	0.029%
189	13.345	13.322	13.368	VV	1716	30310	0.64%	0.070%
190	13.389	13.368	13.411	VV	1191	20434	0.43%	0.047%
191	13.461	13.411	13.492	VV	1528	41741	0.88%	0.096%
192	13.545	13.492	13.553	VV	5246	95610	2.01%	0.220%
193	13.562	13.553	13.594	VV	5681	70768	1.49%	0.163%
194	13.615	13.594	13.639	VV	4369	53772	1.13%	0.124%

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195	13.656	13.639	13.671	VV	489	8255	0.17%	0.019%
196	13.686	13.671	13.758	VV	460	7816	0.16%	0.018%
197	13.791	13.758	13.801	PV	1130	17402	0.37%	0.040%
198	13.823	13.801	13.897	VV	4190	100298	2.11%	0.231%
199	13.953	13.897	13.979	VV	15840	238923	5.03%	0.551%
200	13.992	13.979	14.013	VV	3011	45990	0.97%	0.106%
201	14.056	14.013	14.105	VV	3769	124186	2.62%	0.286%
202	14.114	14.105	14.131	VV	1014	14868	0.31%	0.034%
203	14.162	14.131	14.186	VV	1834	35843	0.75%	0.083%
204	14.219	14.186	14.259	VV	2388	51358	1.08%	0.118%
205	14.276	14.259	14.293	VV	885	11351	0.24%	0.026%
206	14.316	14.293	14.345	VV	840	16884	0.36%	0.039%
207	14.375	14.345	14.403	VV	1641	28432	0.60%	0.066%
208	14.429	14.403	14.459	VV	13765	174077	3.67%	0.401%
209	14.479	14.459	14.493	VV	3343	53940	1.14%	0.124%
210	14.511	14.493	14.558	VV	3972	106493	2.24%	0.246%
211	14.572	14.558	14.594	VV	1974	28999	0.61%	0.067%
212	14.610	14.594	14.667	VV	895	25128	0.53%	0.058%
213	14.698	14.667	14.736	VV	694	18641	0.39%	0.043%
214	14.779	14.736	14.808	VV	2948	49502	1.04%	0.114%
215	14.843	14.808	14.874	VV	1167	30010	0.63%	0.069%
216	14.904	14.874	15.024	VV	43984	684107	14.41%	1.577%
217	15.052	15.024	15.077	VV	3653	65925	1.39%	0.152%
218	15.097	15.077	15.131	VV	2967	47301	1.00%	0.109%
219	15.155	15.131	15.178	VV	1177	23098	0.49%	0.053%
220	15.262	15.178	15.318	VV	3739	102896	2.17%	0.237%
221	15.350	15.318	15.389	VV	1612	42979	0.91%	0.099%
222	15.421	15.389	15.458	VV	3504	61918	1.30%	0.143%
223	15.498	15.458	15.525	VV	1453	39723	0.84%	0.092%
224	15.546	15.525	15.579	VV	1640	24956	0.53%	0.058%
225	15.605	15.579	15.634	VV	2793	38710	0.82%	0.089%
226	15.644	15.634	15.681	PV	194	3398	0.07%	0.008%
227	15.702	15.681	15.718	VV	253	3392	0.07%	0.008%
228	15.760	15.718	15.804	VV	818	21160	0.45%	0.049%
229	15.836	15.804	15.867	VV	886	25447	0.54%	0.059%
230	15.911	15.867	15.977	VV	41111	665499	14.02%	1.534%
231	16.027	15.977	16.054	VV	9291	163028	3.43%	0.376%
232	16.075	16.054	16.138	VV	3265	91951	1.94%	0.212%
233	16.162	16.138	16.198	VV	1693	35606	0.75%	0.082%
234	16.238	16.198	16.259	VV	2585	46844	0.99%	0.108%
235	16.282	16.259	16.324	VV	2080	53635	1.13%	0.124%
236	16.346	16.324	16.371	VV	3229	54400	1.15%	0.125%
237	16.392	16.371	16.404	VV	3872	56758	1.20%	0.131%
238	16.416	16.404	16.458	VV	3599	84480	1.78%	0.195%
239	16.488	16.458	16.509	VV	3084	62447	1.32%	0.144%
240	16.533	16.509	16.548	VV	5367	77614	1.63%	0.179%
241	16.564	16.548	16.613	VV	6203	91827	1.93%	0.212%
242	16.644	16.613	16.671	VV	781	22075	0.46%	0.051%
243	16.692	16.671	16.704	VV	1162	19312	0.41%	0.045%
244	16.711	16.704	16.751	VV	1184	25318	0.53%	0.058%
245	16.849	16.751	16.911	VV	27418	515076	10.85%	1.188%
246	16.938	16.911	16.981	VV	14029	230473	4.85%	0.531%

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247	17.018	16.981	17.041	VV	2247	56584	1.19%	0.130%
248	17.078	17.041	17.098	VV	1666	39533	0.83%	0.091%
249	17.112	17.098	17.134	VV	1113	20497	0.43%	0.047%
250	17.154	17.134	17.196	VV	1365	43485	0.92%	0.100%
251	17.218	17.196	17.243	VV	1499	36029	0.76%	0.083%
252	17.301	17.243	17.311	VV	2976	73773	1.55%	0.170%
253	17.334	17.311	17.353	VV	6032	105237	2.22%	0.243%
254	17.373	17.353	17.396	VV	5315	91774	1.93%	0.212%
255	17.418	17.396	17.434	VV	3506	63578	1.34%	0.147%
256	17.459	17.434	17.486	VV	9656	163292	3.44%	0.376%
257	17.496	17.486	17.510	VV	2405	33159	0.70%	0.076%
258	17.541	17.510	17.549	VV	3644	67455	1.42%	0.156%
259	17.568	17.549	17.618	VV	5620	136635	2.88%	0.315%
260	17.725	17.618	17.740	VV	33187	742135	15.63%	1.711%
261	17.759	17.740	17.781	VV	46967	749179	15.78%	1.727%
262	17.794	17.781	17.860	VV	21926	458806	9.66%	1.058%
263	17.884	17.860	17.922	VV	5117	140070	2.95%	0.323%
264	17.935	17.922	17.948	VV	2550	37989	0.80%	0.088%
265	18.002	17.948	18.014	VV	3339	111335	2.34%	0.257%
266	18.038	18.014	18.077	VV	5730	152029	3.20%	0.351%
267	18.096	18.077	18.124	VV	3405	89225	1.88%	0.206%
268	18.148	18.124	18.171	VV	7307	154991	3.26%	0.357%
269	18.192	18.171	18.258	VV	12573	338829	7.14%	0.781%
270	18.297	18.258	18.348	VV	14928	391997	8.26%	0.904%
271	18.373	18.348	18.399	VV	4038	113380	2.39%	0.261%
272	18.431	18.399	18.448	VV	5277	121761	2.56%	0.281%
273	18.518	18.448	18.531	VV	28915	579963	12.21%	1.337%
274	18.549	18.531	18.588	VV	32810	749061	15.78%	1.727%
275	18.598	18.588	18.656	VV	11751	407769	8.59%	0.940%
276	18.677	18.656	18.723	VV	9357	296670	6.25%	0.684%
277	18.741	18.723	18.758	VV	5987	115183	2.43%	0.266%
278	18.786	18.758	18.813	VV	15177	315505	6.64%	0.727%
279	18.824	18.813	18.843	VV	6948	111064	2.34%	0.256%
280	18.856	18.843	18.881	VV	6185	116834	2.46%	0.269%
281	18.905	18.881	18.924	VV	4739	113662	2.39%	0.262%
282	18.967	18.924	18.989	VV	14255	317233	6.68%	0.731%
283	19.009	18.989	19.062	VV	12884	350430	7.38%	0.808%
284	19.087	19.062	19.111	VV	9092	205710	4.33%	0.474%
285	19.125	19.111	19.146	VV	6230	118884	2.50%	0.274%
286	19.155	19.146	19.173	VV	5142	81809	1.72%	0.189%
287	19.206	19.173	19.246	VV	9472	317729	6.69%	0.733%
288	19.272	19.246	19.299	VV	27417	483204	10.18%	1.114%
289	19.322	19.299	19.364	VV	14985	397980	8.38%	0.918%
290	19.384	19.364	19.421	VV	9292	259545	5.47%	0.598%
291	19.459	19.421	19.527	VV	7122	400856	8.44%	0.924%
292	19.552	19.527	19.568	VV	6585	142750	3.01%	0.329%
293	19.606	19.568	19.664	VV	22671	583252	12.28%	1.345%
294	19.684	19.664	19.701	VV	6183	131113	2.76%	0.302%
295	19.716	19.701	19.732	VV	6417	112465	2.37%	0.259%
296	19.749	19.732	19.774	VV	6323	152738	3.22%	0.352%
297	19.853	19.774	19.900	VV	8399	490150	10.32%	1.130%
298	19.914	19.900	19.941	VV	6496	149915	3.16%	0.346%
299	19.988	19.941	20.026	VV	10799	440744	9.28%	1.016%

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300	20.051	20.026	20.073	VV	8289	210681	4.44%	0.486%
301	20.099	20.073	20.171	VV	9653	400904	8.44%	0.924%
302	20.221	20.171	20.240	VV	6812	251100	5.29%	0.579%
303	20.261	20.240	20.283	VV	7199	172104	3.62%	0.397%
304	20.305	20.283	20.313	VV	7256	124584	2.62%	0.287%
305	20.334	20.313	20.368	VV	8438	243867	5.14%	0.562%
306	20.421	20.368	20.463	VV	32865	818561	17.24%	1.887%
307	20.485	20.463	20.522	VV	13087	365563	7.70%	0.843%
308	20.533	20.522	20.568	VV	8180	213300	4.49%	0.492%
309	20.589	20.568	20.598	VV	7293	130508	2.75%	0.301%
310	20.633	20.598	20.695	VV	10492	440469	9.28%	1.016%
311	20.740	20.695	20.754	VV	7659	236348	4.98%	0.545%
312	20.775	20.754	20.785	VV	7997	140254	2.95%	0.323%
313	20.803	20.785	20.927	VV	8610	532707	11.22%	1.228%
314	20.982	20.927	20.997	VV	5675	223763	4.71%	0.516%
315	21.069	20.997	21.108	VV	7885	393964	8.30%	0.908%
316	21.193	21.108	21.240	VV	4517	334108	7.04%	0.770%
317	21.277	21.240	21.327	VV	4830	216778	4.57%	0.500%
318	21.363	21.327	21.464	VV	6742	403959	8.51%	0.931%
319	21.515	21.464	21.606	VV	4839	338772	7.13%	0.781%
320	21.696	21.606	21.807	VV	3935	427643	9.01%	0.986%
321	21.827	21.807	21.857	VV	3342	94231	1.98%	0.217%
322	21.918	21.857	21.974	VV	3819	217743	4.59%	0.502%
323	21.986	21.974	21.993	VV	2614	29274	0.62%	0.067%
324	22.022	21.993	22.077	VV	2902	125245	2.64%	0.289%
325	22.102	22.077	22.153	VV	2333	99362	2.09%	0.229%
326	22.187	22.153	22.212	VV	2310	77046	1.62%	0.178%
327	22.225	22.212	22.242	VV	2247	39208	0.83%	0.090%
328	22.251	22.242	22.334	VV	2243	106025	2.23%	0.244%
329	22.369	22.334	22.420	VV	2056	86159	1.81%	0.199%
330	22.435	22.420	22.446	VV	1316	19573	0.41%	0.045%
331	22.464	22.446	22.484	VV	1387	29504	0.62%	0.068%
332	22.497	22.484	22.595	VV	1337	68184	1.44%	0.157%
333	22.604	22.595	22.634	VV	915	18771	0.40%	0.043%
334	22.702	22.634	22.710	VV	1486	51357	1.08%	0.118%
335	22.779	22.710	22.949	VV	2818	188413	3.97%	0.434%
336	22.958	22.949	22.991	PV	231	2766	0.06%	0.006%
					Sum of corrected areas:	43372763		

Aliphatic EPH 012425.M Sat Feb 01 04:58:51 2025



CALIBRATION SUMMARY

Initial Calibration Report for SequenceID : FD012425AL

AreaCount

Parameter Range	FD048955.D	FD048956.D	FD048957.D	FD048958.D	FD048959.D	
Aliphatic C9-C12	46227531.000	23525399.000	9977692.000	5260939.000	2426157.000	
Aliphatic C12-C16	31896740.000	16327788.000	6936963.000	3618725.000	1672392.000	
Aliphatic C16-C21	48373085.000	24810443.000	10660639.000	5570816.000	2617445.000	
Aliphatic C21-C28	62091618.000	32115771.000	13763846.000	7236435.000	3481181.000	
Aliphatic C28-C40	70146324.000	36812511.000	15863603.000	8428495.000	4353744.000	
Aliphatic EPH	258735298.000	133591912.000	57202743.000	30115410.000	14550919.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	162866.2126664	5.161				
Aliphatic C12-C16	168872.221	5.028				
Aliphatic C16-C21	172902.8173328	5.646				
Aliphatic C21-C28	168565.18	6.196				
Aliphatic C28-C40	131483.0636664	8.973				
Aliphatic EPH	156011.7018884	6.214				

Concentration

Parameter Range	FD048955.D	FD048956.D	FD048957.D	FD048958.D	FD048959.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	FD048955.D	FD048956.D	FD048957.D	FD048958.D	FD048959.D	
Aliphatic C9-C12	154091.770000	156835.993333	166294.866666	175364.633333	161743.800000	
Aliphatic C12-C16	159483.700000	163277.880000	173424.075000	180936.250000	167239.200000	
Aliphatic C16-C21	161243.616666	165402.953333	177677.316666	185693.866666	174496.333333	

Initial Calibration Report for SequenceID : FD012425AL

Aliphatic C21-C28	155229.045000	160578.855000	172048.075000	180910.875000	174059.050000	
Aliphatic C28-C40	116910.540000	122708.370000	132196.691666	140474.916666	145124.800000	
Aliphatic EPH	143741.832222	148435.457777	158896.508333	167307.833333	161676.877777	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AL\
 Data File : FD048955.D
 Signal(s) : FID2B.ch
 Acq On : 24 Jan 2025 14:50
 Operator : YP/AJ
 Sample : 100 PPM ALIPHATIC HC STD1
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
 Quant Time: Jan 25 05:52:50 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.M
 Quant Title : GC Extractables
 QLast Update : Sat Jan 25 05:52:04 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.251	18175252	91.317 ug/ml
Spiked Amount 50.000		Recovery =	182.63%
12) S 1-chlorooctadecane (S...	12.691	13867975	91.691 ug/ml
Spiked Amount 50.000		Recovery =	183.38%
Target Compounds			
1) T n-Nonane (C9)	3.110	15141146	92.795 ug/ml
2) T n-Decane (C10)	4.156	15437863	92.697 ug/ml
3) T A~Naphthalene (C11.7)	5.702	16999028	95.862 ug/ml
4) T n-Dodecane (C12)	6.150	15648522	92.499 ug/ml
5) T A~2-methylnaphthalene...	6.750	16554106	97.581 ug/ml
6) T n-Tetradecane (C14)	7.931	15643396	92.321 ug/ml
7) T n-Hexadecane (C16)	9.520	16253344	91.619 ug/ml
8) T n-Octadecane (C18)	10.954	16521396	91.038 ug/ml
10) T n-Eicosane (C20)	12.254	16016927	90.555 ug/ml
11) T n-Heneicosane (C21)	12.862	15834762	90.650 ug/ml
13) T n-Docosane (C22)	13.445	15791189	90.677 ug/ml
14) T n-Tetracosane (C24)	14.543	15771052	90.618 ug/ml
15) T n-Hexacosane (C26)	15.557	15486022	90.500 ug/ml
16) T n-Octacosane (C28)	16.502	15043355	89.072 ug/ml
17) T n-Tricontane (C30)	17.385	14970847	86.998 ug/ml
18) T n-Dotriacontane (C32)	18.211	14063812	85.801 ug/ml
19) T n-Tetratriacontane (C34)	18.990	12138917	87.211 ug/ml
20) T n-Hexatriacontane (C36)	19.724	10332554	89.100 ug/ml
21) T n-Octatriacontane (C38)	20.420	9564742	91.159 ug/ml
22) T n-Tetracontane (C40)	21.196	9075452	93.460 ug/ml

(f)=RT Delta > 1/2 Window

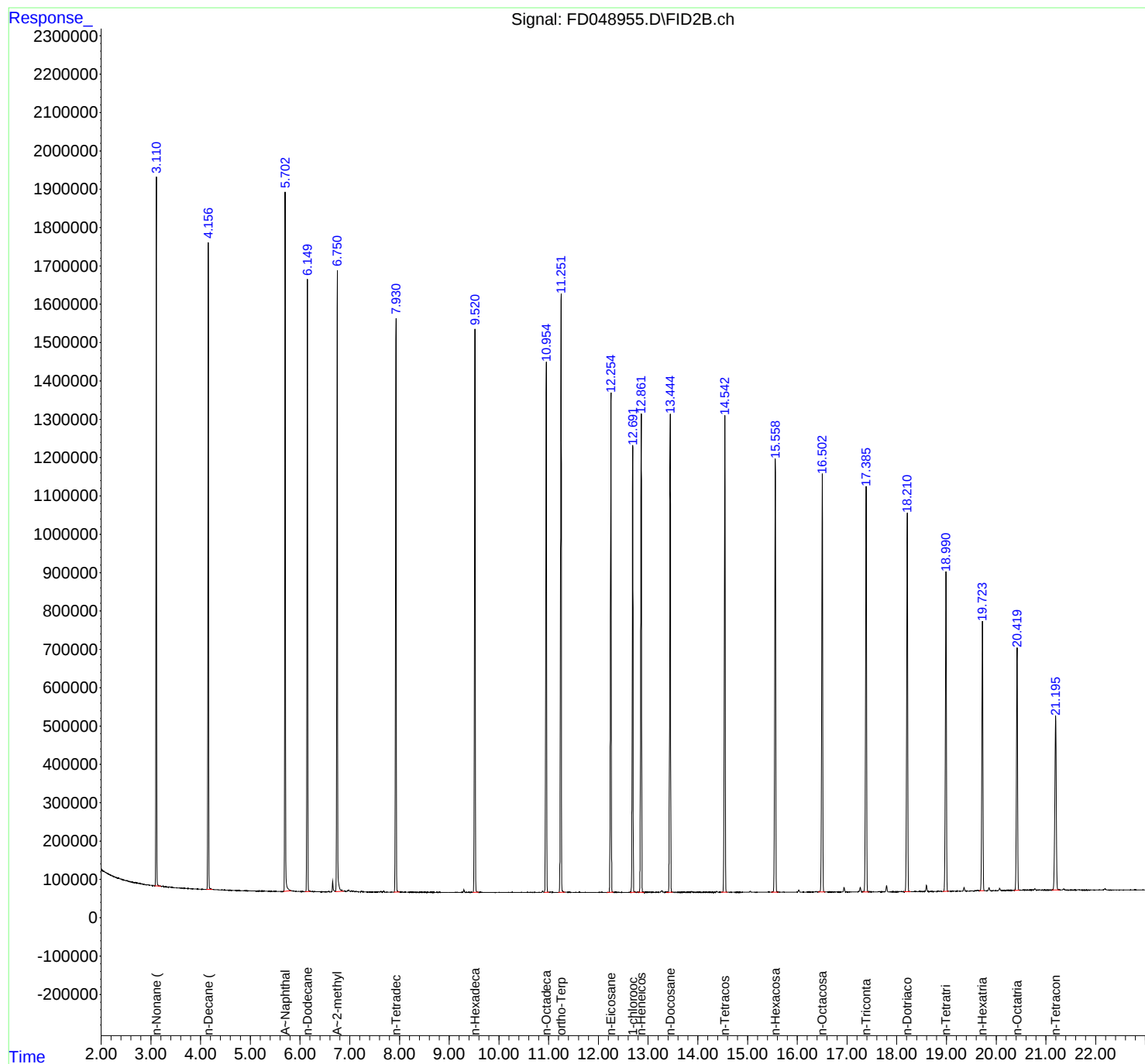
(m)=manual int.

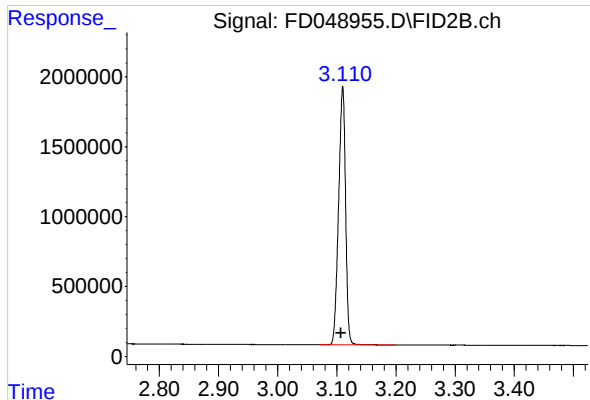
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AL\
Data File : FD048955.D
Signal(s) : FID2B.ch
Acq On : 24 Jan 2025 14:50
Operator : YP/AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Jan 25 05:52:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 05:52:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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

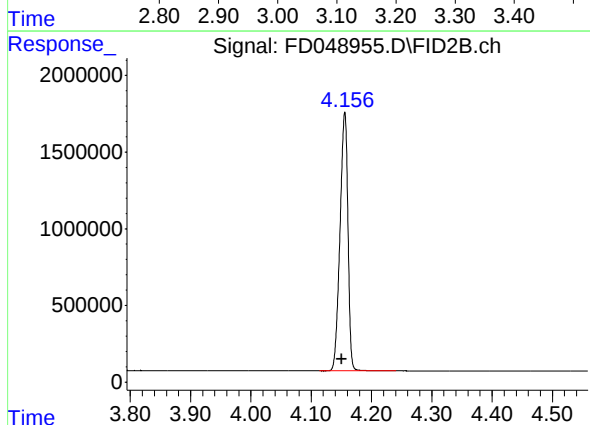




#1 n-Nonane (C9)

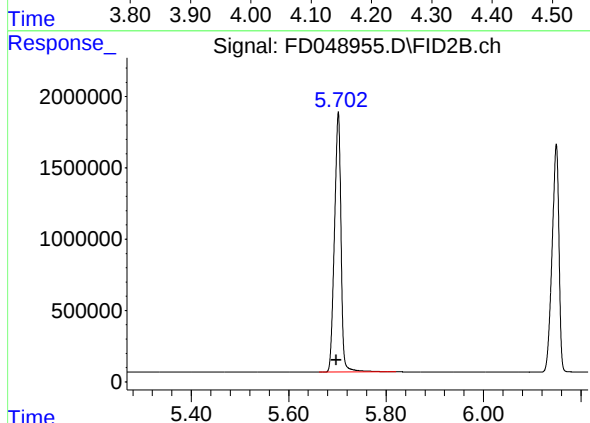
R.T.: 3.110 min
Delta R.T.: 0.003 min
Response: 15141146
Conc: 92.80 ug/ml

Instrument :
FID_D
ClientSampleId :
100 PPM ALIPHATIC HC STD1



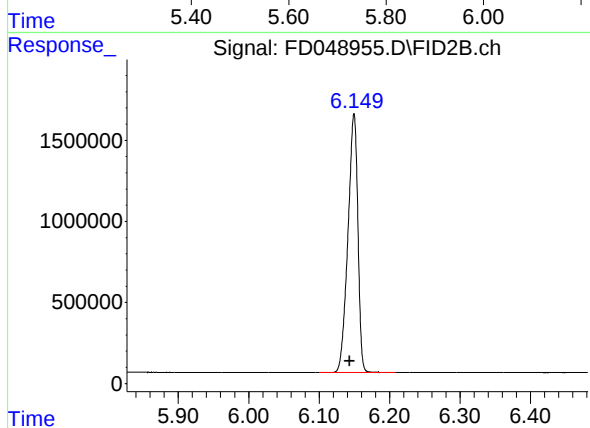
#2 n-Decane (C10)

R.T.: 4.156 min
Delta R.T.: 0.005 min
Response: 15437863
Conc: 92.70 ug/ml



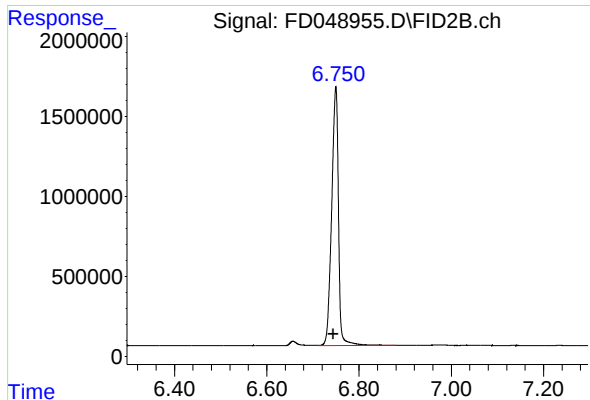
#3 A~Naphthalene (C11.7)

R.T.: 5.702 min
Delta R.T.: 0.004 min
Response: 16999028
Conc: 95.86 ug/ml



#4 n-Dodecane (C12)

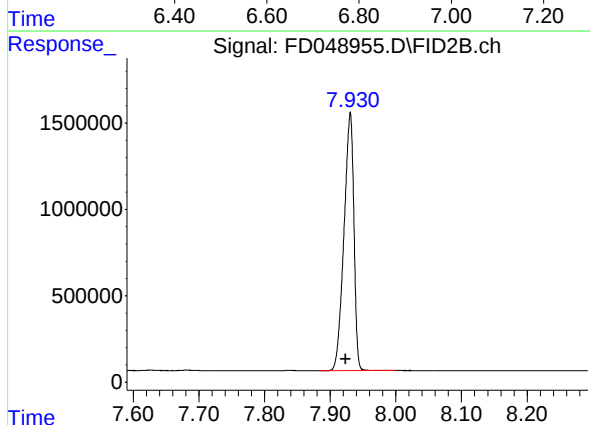
R.T.: 6.150 min
Delta R.T.: 0.006 min
Response: 15648522
Conc: 92.50 ug/ml



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

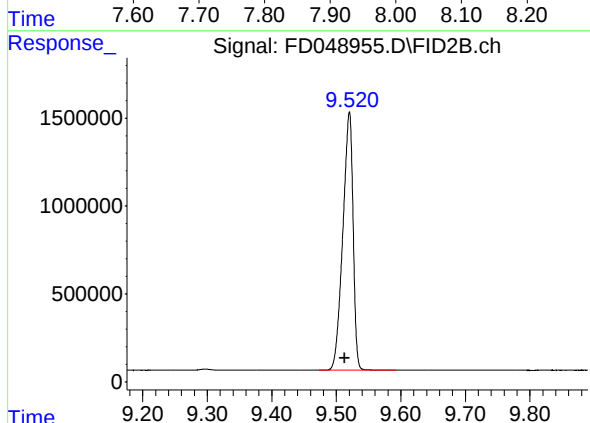
R.T.: 6.750 min
Delta R.T.: 0.006 min
Response: 16554106
Conc: 97.58 ug/ml

Instrument :
FID_D
ClientSampleId :
100 PPM ALIPHATIC HC STD1



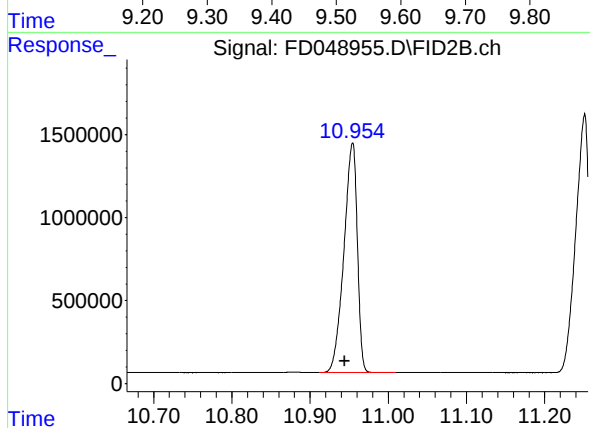
#6 n-Tetradecane (C14)

R.T.: 7.931 min
Delta R.T.: 0.007 min
Response: 15643396
Conc: 92.32 ug/ml



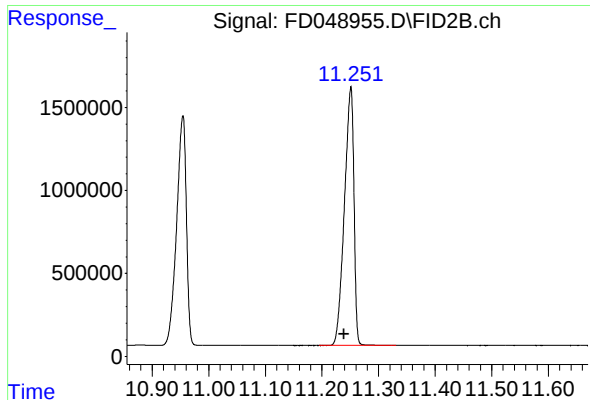
#7 n-Hexadecane (C16)

R.T.: 9.520 min
Delta R.T.: 0.007 min
Response: 16253344
Conc: 91.62 ug/ml



#8 n-Octadecane (C18)

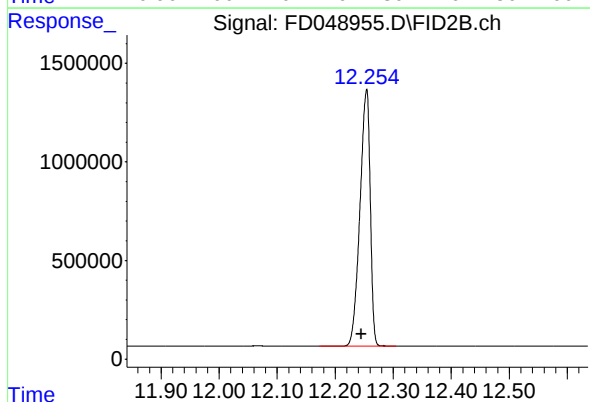
R.T.: 10.954 min
Delta R.T.: 0.010 min
Response: 16521396
Conc: 91.04 ug/ml



#9 ortho-Terphenyl (SURR)

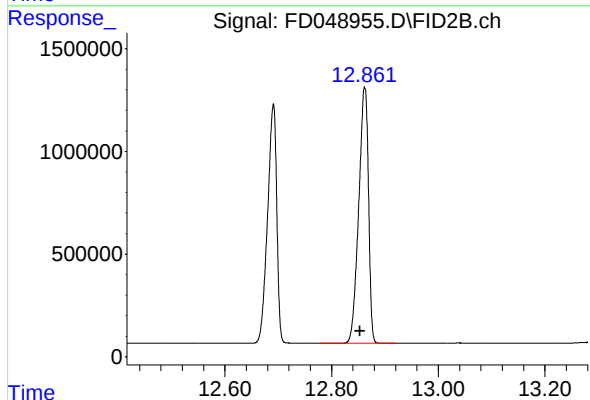
R.T.: 11.251 min
Delta R.T.: 0.012 min
Response: 18175252
Conc: 91.32 ug/ml

Instrument :
FID_D
ClientSampleId :
100 PPM ALIPHATIC HC STD1



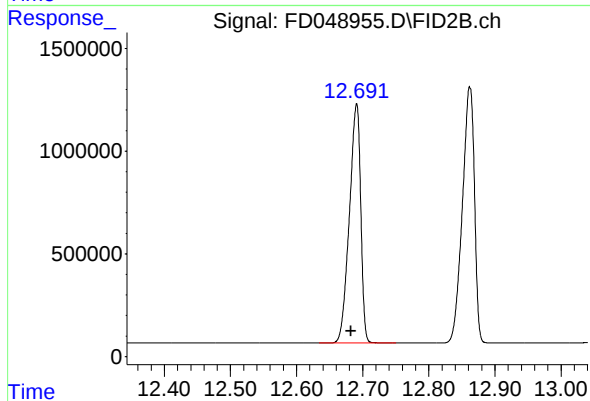
#10 n-Eicosane (C20)

R.T.: 12.254 min
Delta R.T.: 0.009 min
Response: 16016927
Conc: 90.56 ug/ml



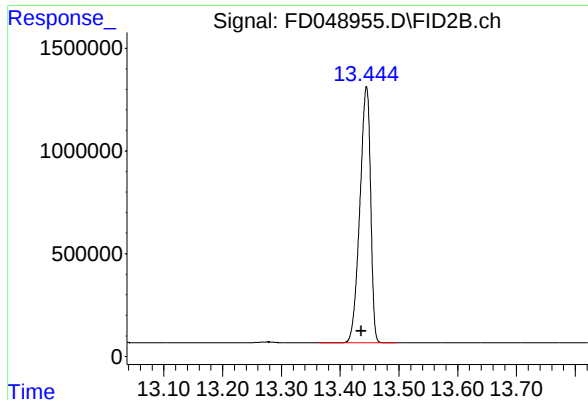
#11 n-Heneicosane (C21)

R.T.: 12.862 min
Delta R.T.: 0.009 min
Response: 15834762
Conc: 90.65 ug/ml



#12 1-chlorooctadecane (SURR)

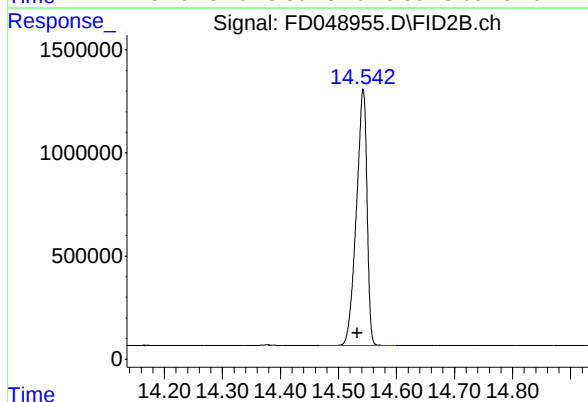
R.T.: 12.691 min
Delta R.T.: 0.008 min
Response: 13867975
Conc: 91.69 ug/ml



#13 n-Docosane (C22)

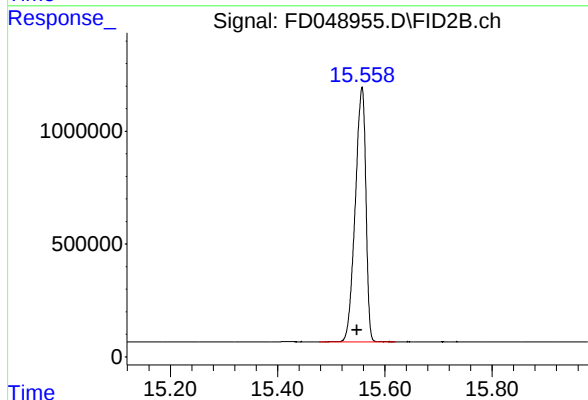
R.T.: 13.445 min
Delta R.T.: 0.009 min
Response: 15791189
Conc: 90.68 ug/ml

Instrument :
FID_D
ClientSampleId :
100 PPM ALIPHATIC HC STD1



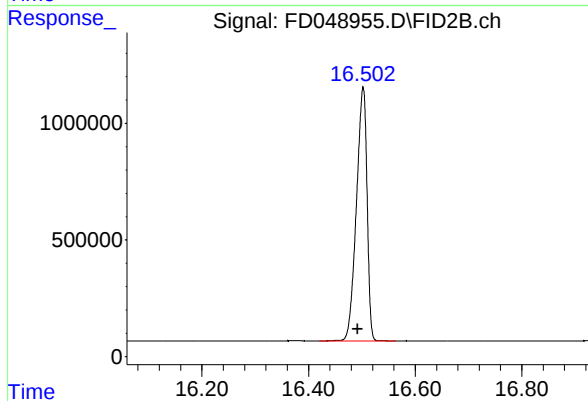
#14 n-Tetracosane (C24)

R.T.: 14.543 min
Delta R.T.: 0.010 min
Response: 15771052
Conc: 90.62 ug/ml



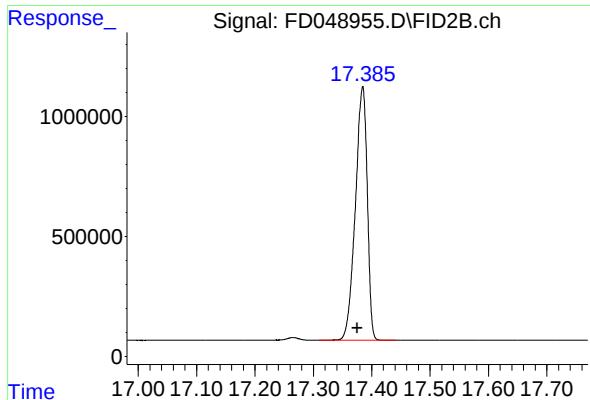
#15 n-Hexacosane (C26)

R.T.: 15.557 min
Delta R.T.: 0.010 min
Response: 15486022
Conc: 90.50 ug/ml



#16 n-Octacosane (C28)

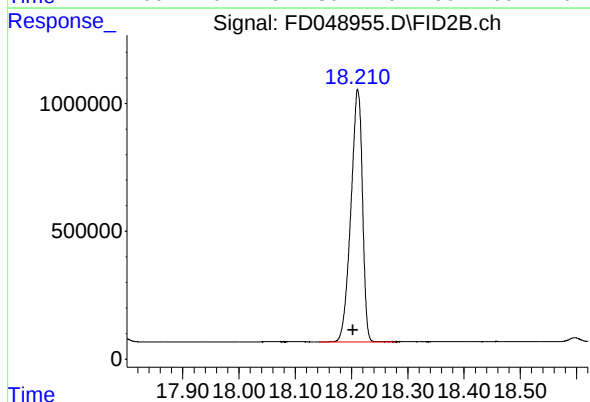
R.T.: 16.502 min
Delta R.T.: 0.010 min
Response: 15043355
Conc: 89.07 ug/ml



#17 n-Tricontane (C30)

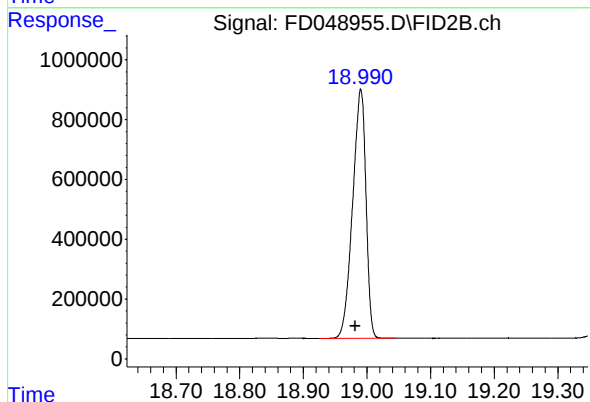
R.T.: 17.385 min
Delta R.T.: 0.010 min
Response: 14970847
Conc: 87.00 ug/ml

Instrument :
FID_D
ClientSampleId :
100 PPM ALIPHATIC HC STD1



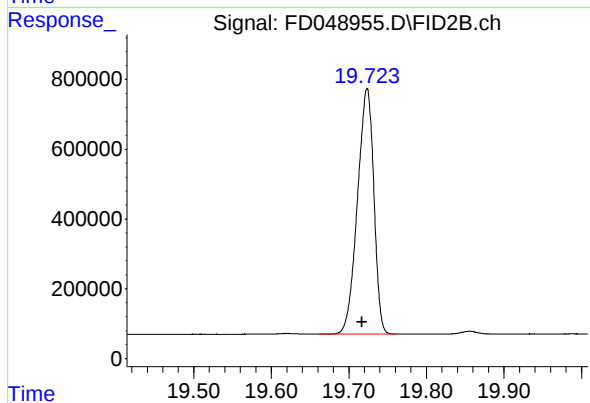
#18 n-Dotriacontane (C32)

R.T.: 18.211 min
Delta R.T.: 0.008 min
Response: 14063812
Conc: 85.80 ug/ml



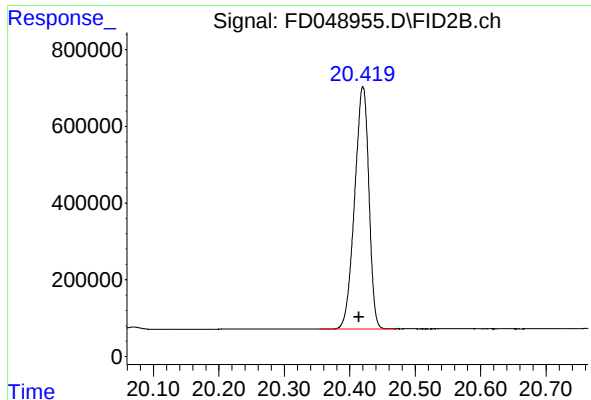
#19 n-Tetatriacontane (C34)

R.T.: 18.990 min
Delta R.T.: 0.009 min
Response: 12138917
Conc: 87.21 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.724 min
Delta R.T.: 0.007 min
Response: 10332554
Conc: 89.10 ug/ml



#21 n-Octatriacontane (C38)

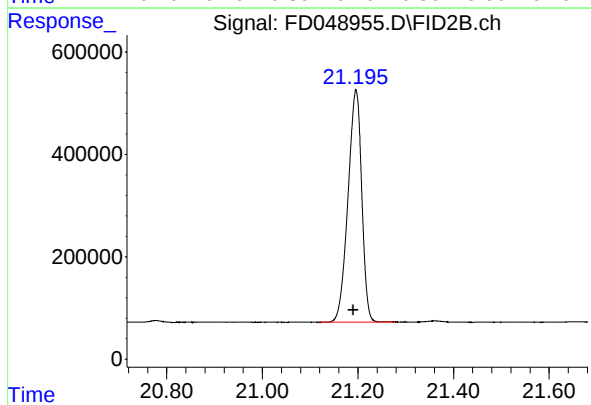
R.T.: 20.420 min
Delta R.T.: 0.006 min
Response: 9564742
Conc: 91.16 ug/ml

Instrument :

FID_D

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 21.196 min
Delta R.T.: 0.005 min
Response: 9075452
Conc: 93.46 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AL\
 Data File : FD048955.D
 Signal(s) : FID2B.ch
 Acq On : 24 Jan 2025 14:50
 Sample : 100 PPM ALIPHATIC HC STD1
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.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	3.110	3.070	3.200	BB	1848178	15141146	83.31%	4.668%
2	4.156	4.113	4.241	BB	1686725	15437863	84.94%	4.760%
3	5.702	5.662	5.820	BBA	1826275	16999028	93.53%	5.241%
4	6.150	6.100	6.209	BB	1598557	15648522	86.10%	4.825%
5	6.750	6.713	6.880	VB	1620474	16554106	91.08%	5.104%
6	7.931	7.883	8.000	BBA	1495644	15643396	86.07%	4.823%
7	9.520	9.473	9.592	BB	1470878	16253344	89.43%	5.011%
8	10.954	10.911	11.010	PB	1382881	16521396	90.90%	5.094%
9	11.251	11.195	11.331	BB	1553576	18175252	100.00%	5.604%
10	12.254	12.172	12.305	BB	1300724	16016927	88.12%	4.938%
11	12.691	12.634	12.750	BBA	1165390	13867975	76.30%	4.276%
12	12.862	12.776	12.921	BB	1242392	15834762	87.12%	4.882%
13	13.445	13.364	13.495	BB	1247384	15791189	86.88%	4.869%
14	14.543	14.466	14.599	BB	1242880	15771052	86.77%	4.863%
15	15.557	15.477	15.621	BB	1128779	15486022	85.20%	4.775%
16	16.502	16.420	16.564	BB	1089039	15043355	82.77%	4.638%
17	17.385	17.310	17.441	BB	1057966	14970847	82.37%	4.616%
18	18.211	18.142	18.279	BB	986128	14063812	77.38%	4.336%
19	18.990	18.925	19.046	BB	833045	12138917	66.79%	3.743%
20	19.724	19.661	19.761	BB	703557	10332554	56.85%	3.186%
21	20.420	20.353	20.471	BB	632325	9564742	52.63%	2.949%
22	21.196	21.119	21.279	BBA	455035	9075452	49.93%	2.798%
Sum of corrected areas:						324331661		

Aliphatic EPH 012425.M Sat Jan 25 06:07:14 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AL\
 Data File : FD048956.D
 Signal(s) : FID2B.ch
 Acq On : 24 Jan 2025 15:26
 Operator : YP/AJ
 Sample : 50 PPM ALIPHATIC HC STD2
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
 Quant Time: Jan 25 05:53:57 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.M
 Quant Title : GC Extractables
 QLast Update : Sat Jan 25 05:52:04 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.244	9302035	46.736 ug/ml
Spiked Amount 50.000		Recovery =	93.47%
12) S 1-chlorooctadecane (S...	12.685	7082127	46.825 ug/ml
Spiked Amount 50.000		Recovery =	93.65%
Target Compounds			
1) T n-Nonane (C9)	3.108	7684506	47.096 ug/ml
2) T n-Decane (C10)	4.153	7861390	47.204 ug/ml
3) T A~Naphthalene (C11.7)	5.698	8564339	48.297 ug/ml
4) T n-Dodecane (C12)	6.145	7979503	47.167 ug/ml
5) T A~2-methylnaphthalene...	6.745	8355653	49.254 ug/ml
6) T n-Tetradecane (C14)	7.926	7995704	47.187 ug/ml
7) T n-Hexadecane (C16)	9.516	8332084	46.967 ug/ml
8) T n-Octadecane (C18)	10.948	8480813	46.732 ug/ml
10) T n-Eicosane (C20)	12.248	8218056	46.463 ug/ml
11) T n-Heneicosane (C21)	12.857	8111574	46.437 ug/ml
13) T n-Docosane (C22)	13.439	8134794	46.712 ug/ml
14) T n-Tetracosane (C24)	14.536	8135157	46.743 ug/ml
15) T n-Hexacosane (C26)	15.552	7991708	46.703 ug/ml
16) T n-Octacosane (C28)	16.496	7854112	46.505 ug/ml
17) T n-Tricontane (C30)	17.379	7909786	45.965 ug/ml
18) T n-Dotriacontane (C32)	18.206	7467321	45.557 ug/ml
19) T n-Tetratriacontane (C34)	18.986	6419464	46.120 ug/ml
20) T n-Hexatriacontane (C36)	19.720	5393314	46.508 ug/ml
21) T n-Octatriacontane (C38)	20.417	4947810	47.156 ug/ml
22) T n-Tetracontane (C40)	21.191	4674816	48.142 ug/ml

(f)=RT Delta > 1/2 Window

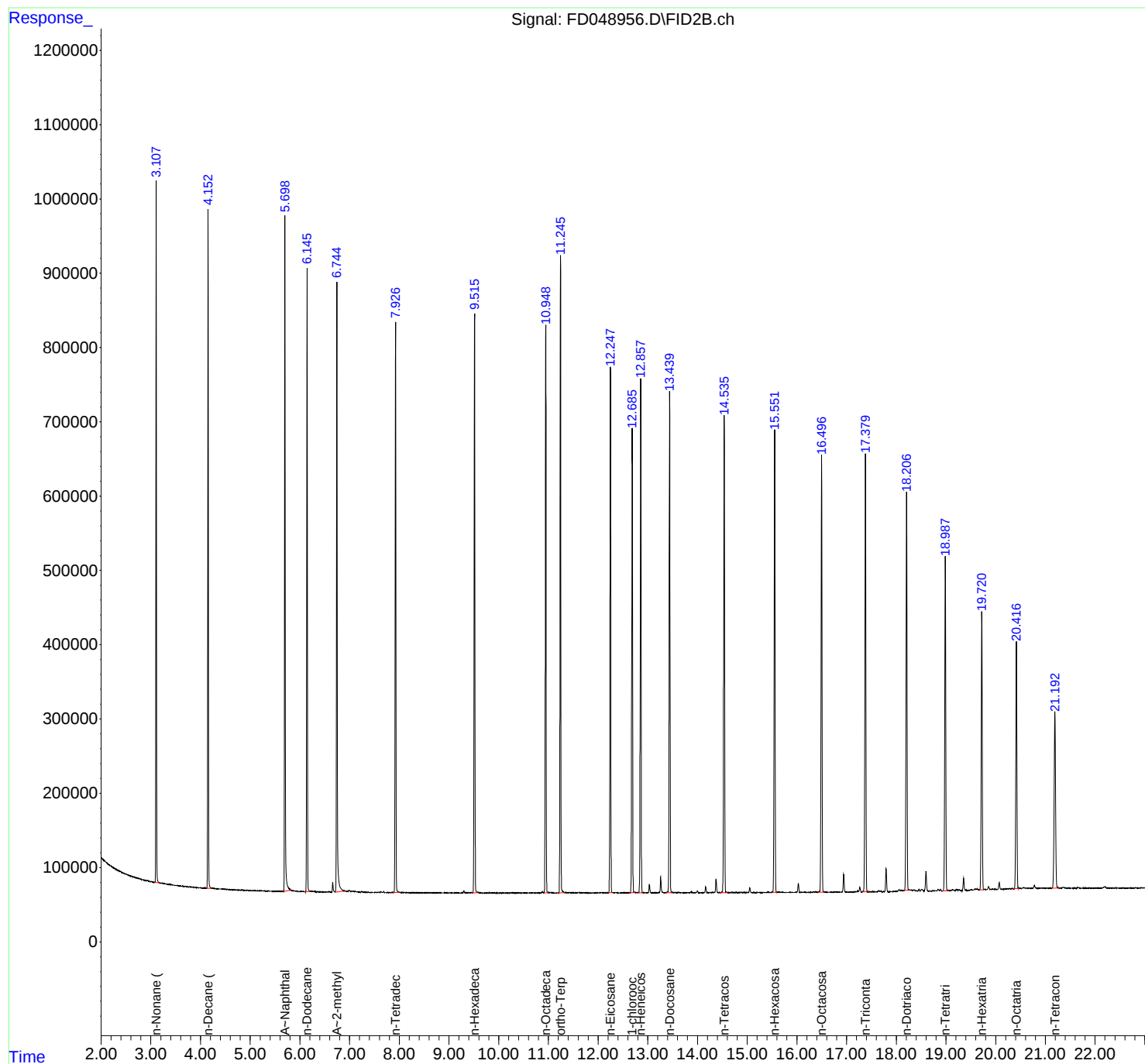
(m)=manual int.

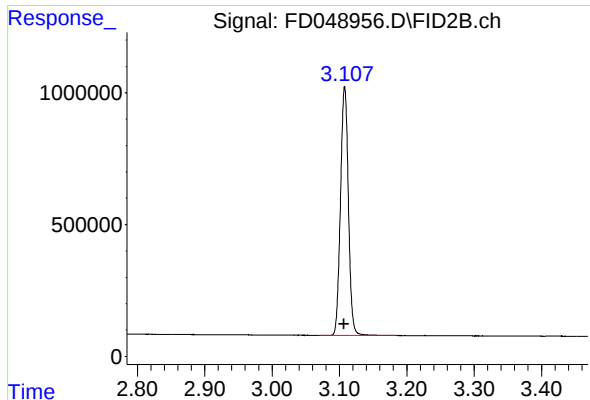
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AL\
Data File : FD048956.D
Signal(s) : FID2B.ch
Acq On : 24 Jan 2025 15:26
Operator : YP/AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Jan 25 05:53:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 05:52:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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

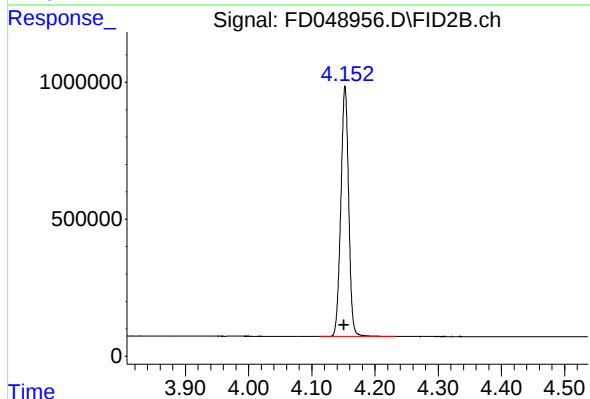




#1 n-Nonane (C9)

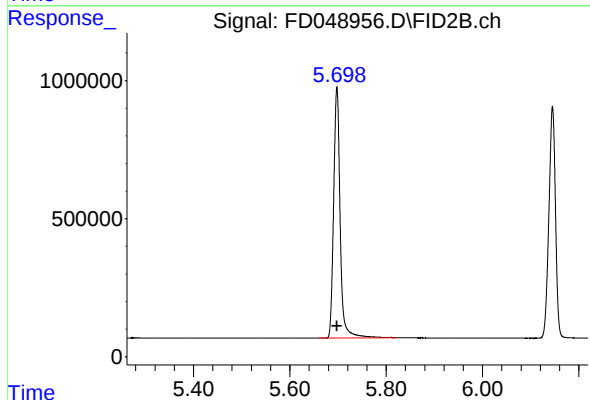
R.T.: 3.108 min
Delta R.T.: 0.000 min
Response: 7684506
Conc: 47.10 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM ALIPHATIC HC STD2



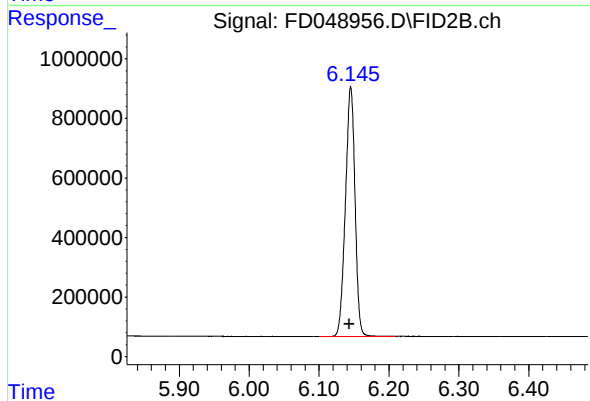
#2 n-Decane (C10)

R.T.: 4.153 min
Delta R.T.: 0.002 min
Response: 7861390
Conc: 47.20 ug/ml



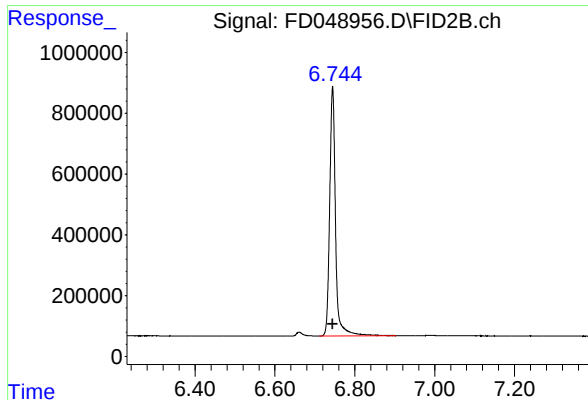
#3 A~Naphthalene (C11.7)

R.T.: 5.698 min
Delta R.T.: 0.000 min
Response: 8564339
Conc: 48.30 ug/ml



#4 n-Dodecane (C12)

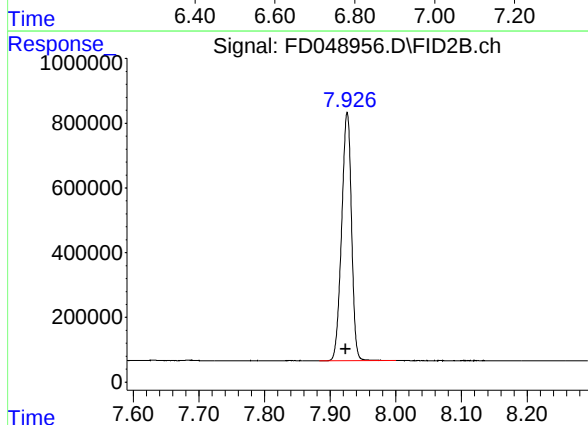
R.T.: 6.145 min
Delta R.T.: 0.002 min
Response: 7979503
Conc: 47.17 ug/ml



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

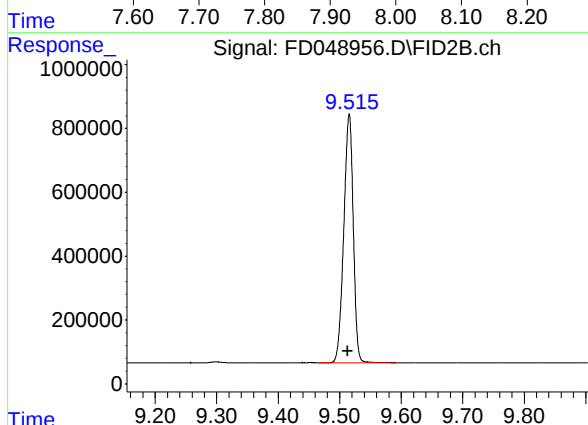
R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 8355653
Conc: 49.25 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM ALIPHATIC HC STD2



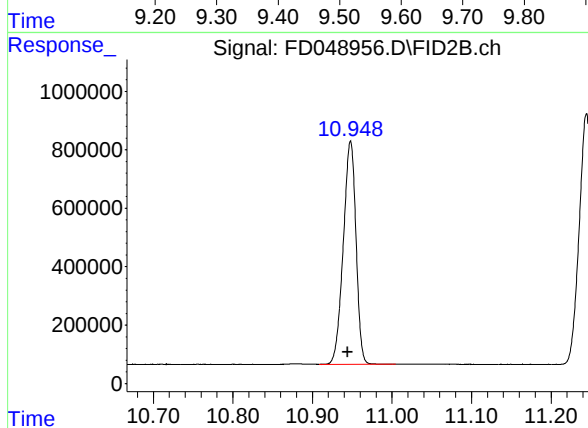
#6 n-Tetradecane (C14)

R.T.: 7.926 min
Delta R.T.: 0.003 min
Response: 7995704
Conc: 47.19 ug/ml



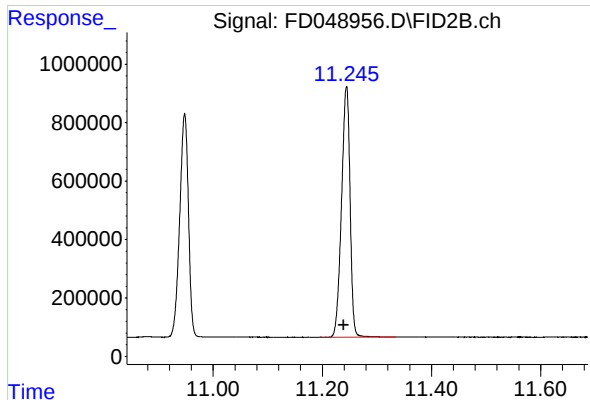
#7 n-Hexadecane (C16)

R.T.: 9.516 min
Delta R.T.: 0.003 min
Response: 8332084
Conc: 46.97 ug/ml



#8 n-Octadecane (C18)

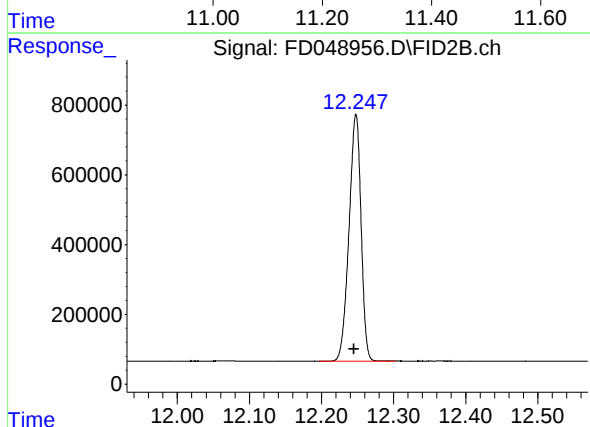
R.T.: 10.948 min
Delta R.T.: 0.004 min
Response: 8480813
Conc: 46.73 ug/ml



#9 ortho-Terphenyl (SURR)

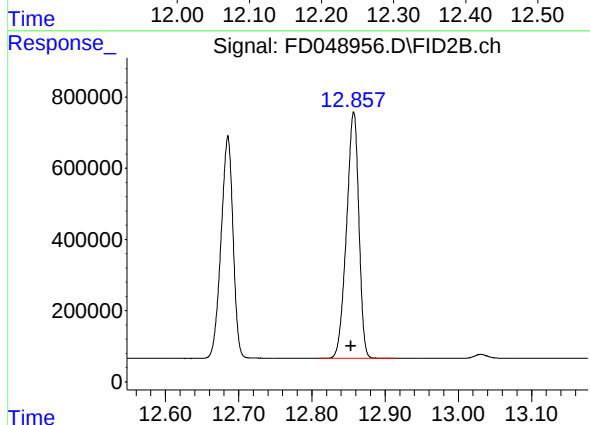
R.T.: 11.244 min
Delta R.T.: 0.005 min
Response: 9302035
Conc: 46.74 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM ALIPHATIC HC STD2



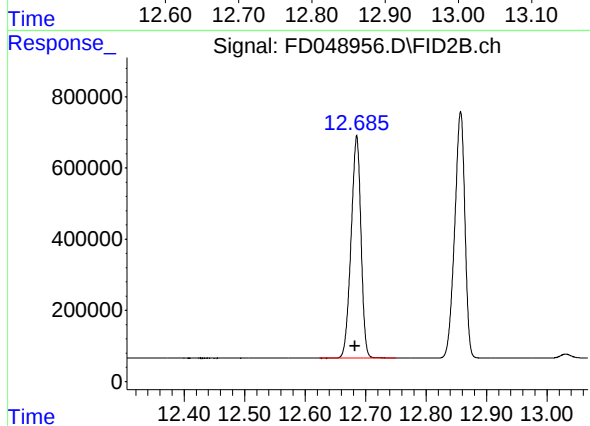
#10 n-Eicosane (C20)

R.T.: 12.248 min
Delta R.T.: 0.003 min
Response: 8218056
Conc: 46.46 ug/ml



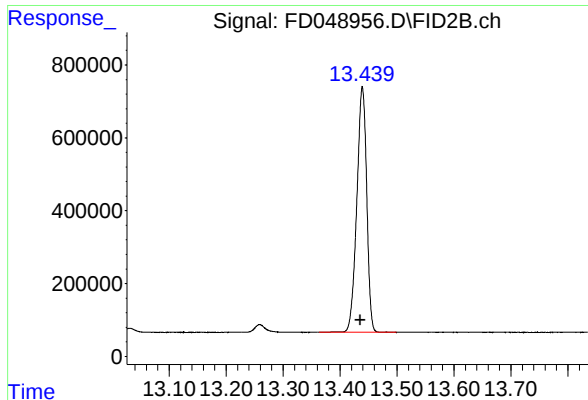
#11 n-Heneicosane (C21)

R.T.: 12.857 min
Delta R.T.: 0.004 min
Response: 8111574
Conc: 46.44 ug/ml



#12 1-chlorooctadecane (SURR)

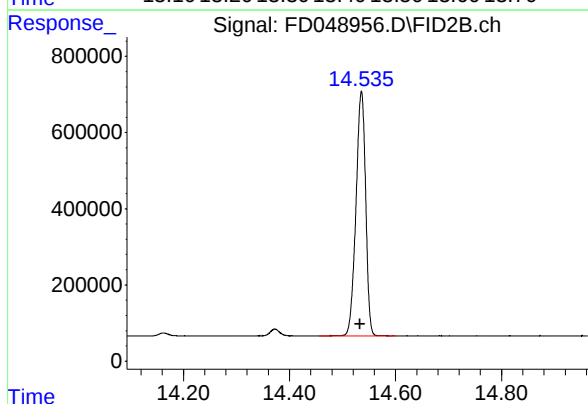
R.T.: 12.685 min
Delta R.T.: 0.003 min
Response: 7082127
Conc: 46.82 ug/ml



#13 n-Docosane (C22)

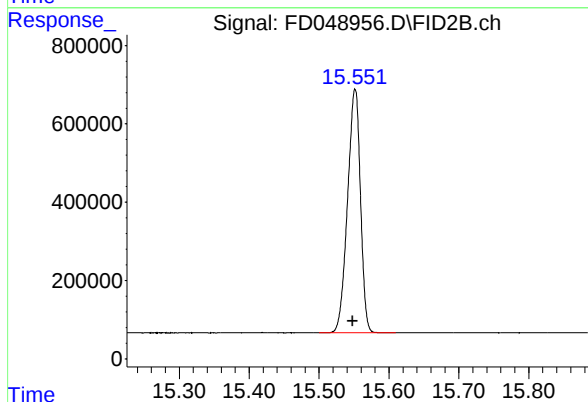
R.T.: 13.439 min
Delta R.T.: 0.003 min
Response: 8134794
Conc: 46.71 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM ALIPHATIC HC STD2



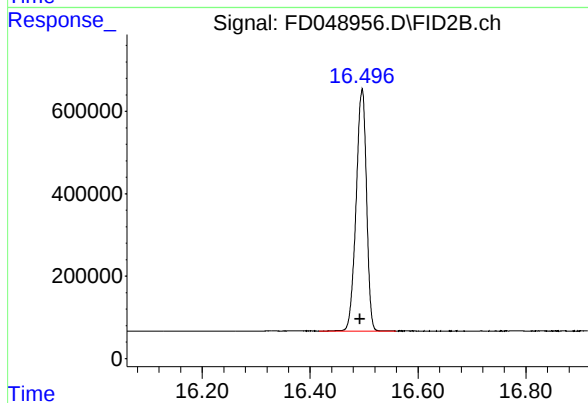
#14 n-Tetracosane (C24)

R.T.: 14.536 min
Delta R.T.: 0.003 min
Response: 8135157
Conc: 46.74 ug/ml



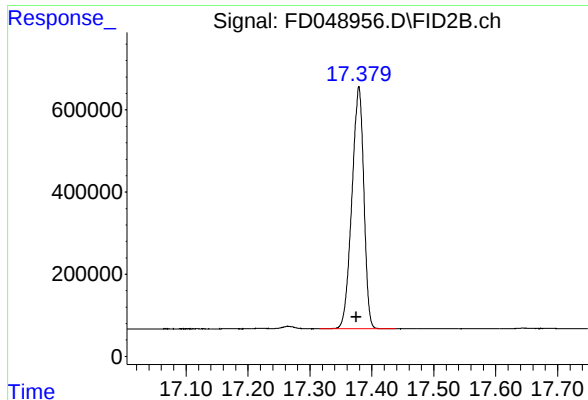
#15 n-Hexacosane (C26)

R.T.: 15.552 min
Delta R.T.: 0.004 min
Response: 7991708
Conc: 46.70 ug/ml



#16 n-Octacosane (C28)

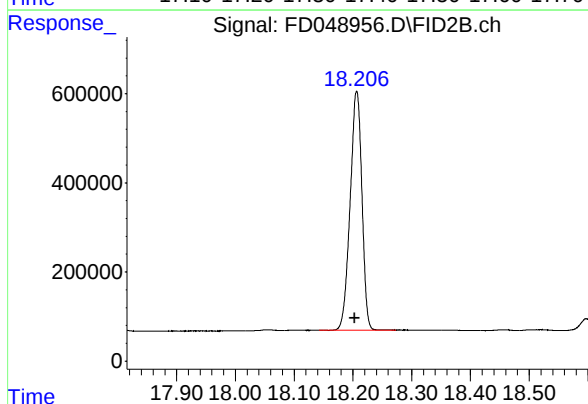
R.T.: 16.496 min
Delta R.T.: 0.004 min
Response: 7854112
Conc: 46.50 ug/ml



#17 n-Tricontane (C30)

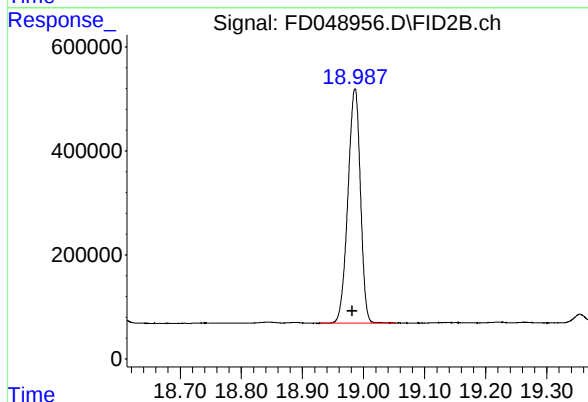
R.T.: 17.379 min
Delta R.T.: 0.004 min
Response: 7909786
Conc: 45.96 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM ALIPHATIC HC STD2



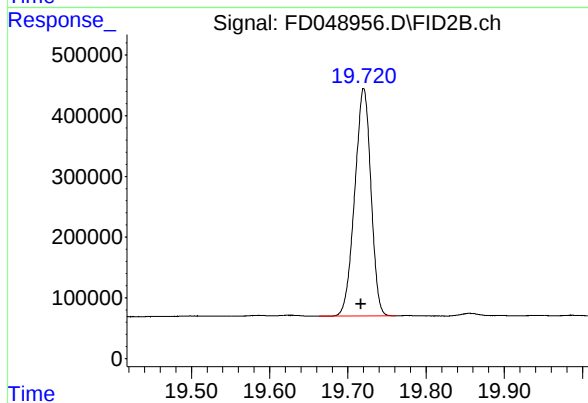
#18 n-Dotriacontane (C32)

R.T.: 18.206 min
Delta R.T.: 0.004 min
Response: 7467321
Conc: 45.56 ug/ml



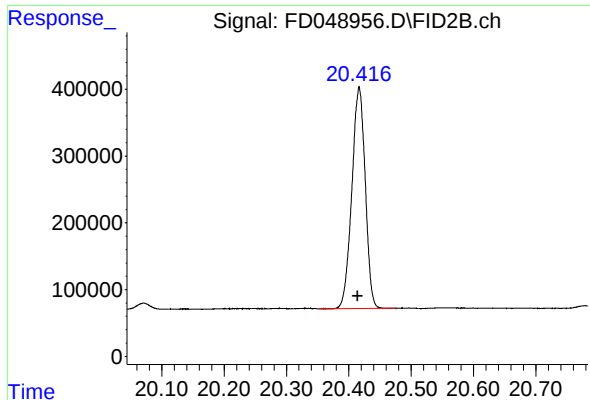
#19 n-Tetatriacontane (C34)

R.T.: 18.986 min
Delta R.T.: 0.004 min
Response: 6419464
Conc: 46.12 ug/ml



#20 n-Hexatriacontane (C36)

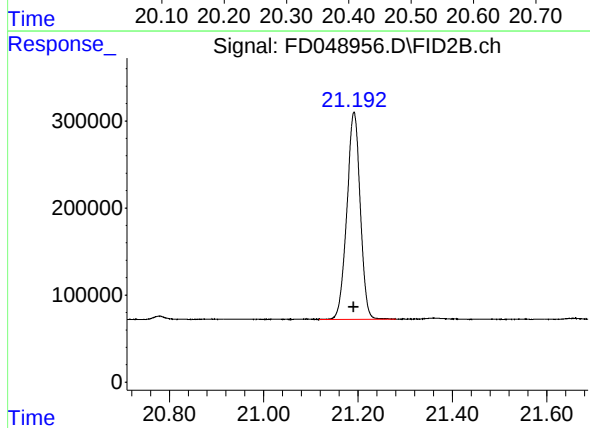
R.T.: 19.720 min
Delta R.T.: 0.003 min
Response: 5393314
Conc: 46.51 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.417 min
Delta R.T.: 0.002 min
Response: 4947810
Conc: 47.16 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 21.191 min
Delta R.T.: 0.001 min
Response: 4674816
Conc: 48.14 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AL\
Data File : FD048956.D
Signal(s) : FID2B.ch
Acq On : 24 Jan 2025 15:26
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.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	3.108	3.070	3.184	BB	943286	7684506	82.61%	4.604%
2	4.153	4.111	4.233	BB	913502	7861390	84.51%	4.710%
3	5.698	5.661	5.820	BBA	908684	8564339	92.07%	5.132%
4	6.145	6.100	6.210	BB	837374	7979503	85.78%	4.781%
5	6.745	6.711	6.903	PB	821824	8355653	89.83%	5.007%
6	7.926	7.883	8.000	BBA	767099	7995704	85.96%	4.791%
7	9.516	9.466	9.591	BB	779388	8332084	89.57%	4.992%
8	10.948	10.908	11.005	BB	764669	8480813	91.17%	5.081%
9	11.244	11.194	11.335	BB	859019	9302035	100.00%	5.574%
10	12.248	12.196	12.303	BB	707461	8218056	88.35%	4.924%
11	12.685	12.623	12.750	BBA	625283	7082127	76.14%	4.243%
12	12.857	12.810	12.915	BB	691771	8111574	87.20%	4.860%
13	13.439	13.363	13.498	BB	674574	8134794	87.45%	4.874%
14	14.536	14.456	14.601	BB	642019	8135157	87.46%	4.874%
15	15.552	15.500	15.610	BB	621915	7991708	85.91%	4.788%
16	16.496	16.416	16.559	BB	588138	7854112	84.43%	4.706%
17	17.379	17.315	17.439	BB	589273	7909786	85.03%	4.739%
18	18.206	18.142	18.273	BB	536433	7467321	80.28%	4.474%
19	18.986	18.927	19.053	BB	450503	6419464	69.01%	3.846%
20	19.720	19.663	19.761	BV	374780	5393314	57.98%	3.232%
21	20.417	20.352	20.476	BB	332313	4947810	53.19%	2.965%
22	21.191	21.117	21.280	BBA	237739	4674816	50.26%	2.801%
Sum of corrected areas:						166896065		

Aliphatic EPH 012425.M Sat Jan 25 06:08:53 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AL\
 Data File : FD048957.D
 Signal(s) : FID2B.ch
 Acq On : 24 Jan 2025 16:03
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD3
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
 Quant Time: Jan 25 05:54:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.M
 Quant Title : GC Extractables
 QLast Update : Sat Jan 25 05:52:04 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.239	3980701	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
12) S 1-chlorooctadecane (S...	12.682	3024945	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T n-Nonane (C9)	3.107	3263352	20.000 ug/ml
2) T n-Decane (C10)	4.151	3330837	20.000 ug/ml
3) T A~Naphthalene (C11.7)	5.698	3546562	20.000 ug/ml
4) T n-Dodecane (C12)	6.143	3383503	20.000 ug/ml
5) T A~2-methylnaphthalene...	6.744	3392892	20.000 ug/ml
6) T n-Tetradecane (C14)	7.923	3388926	20.000 ug/ml
7) T n-Hexadecane (C16)	9.513	3548037	20.000 ug/ml
8) T n-Octadecane (C18)	10.944	3629555	20.000 ug/ml
10) T n-Eicosane (C20)	12.245	3537484	20.000 ug/ml
11) T n-Heneicosane (C21)	12.853	3493600	20.000 ug/ml
13) T n-Docosane (C22)	13.436	3482968	20.000 ug/ml
14) T n-Tetracosane (C24)	14.533	3480775	20.000 ug/ml
15) T n-Hexacosane (C26)	15.548	3422317	20.000 ug/ml
16) T n-Octacosane (C28)	16.493	3377786	20.000 ug/ml
17) T n-Tricontane (C30)	17.375	3441663	20.000 ug/ml
18) T n-Dotriacontane (C32)	18.203	3278250	20.000 ug/ml
19) T n-Tetratriacontane (C34)	18.982	2783794	20.000 ug/ml
20) T n-Hexatriacontane (C36)	19.717	2319303	20.000 ug/ml
21) T n-Octatriacontane (C38)	20.414	2098483	20.000 ug/ml
22) T n-Tetracontane (C40)	21.190	1942110	20.000 ug/ml

(f)=RT Delta > 1/2 Window

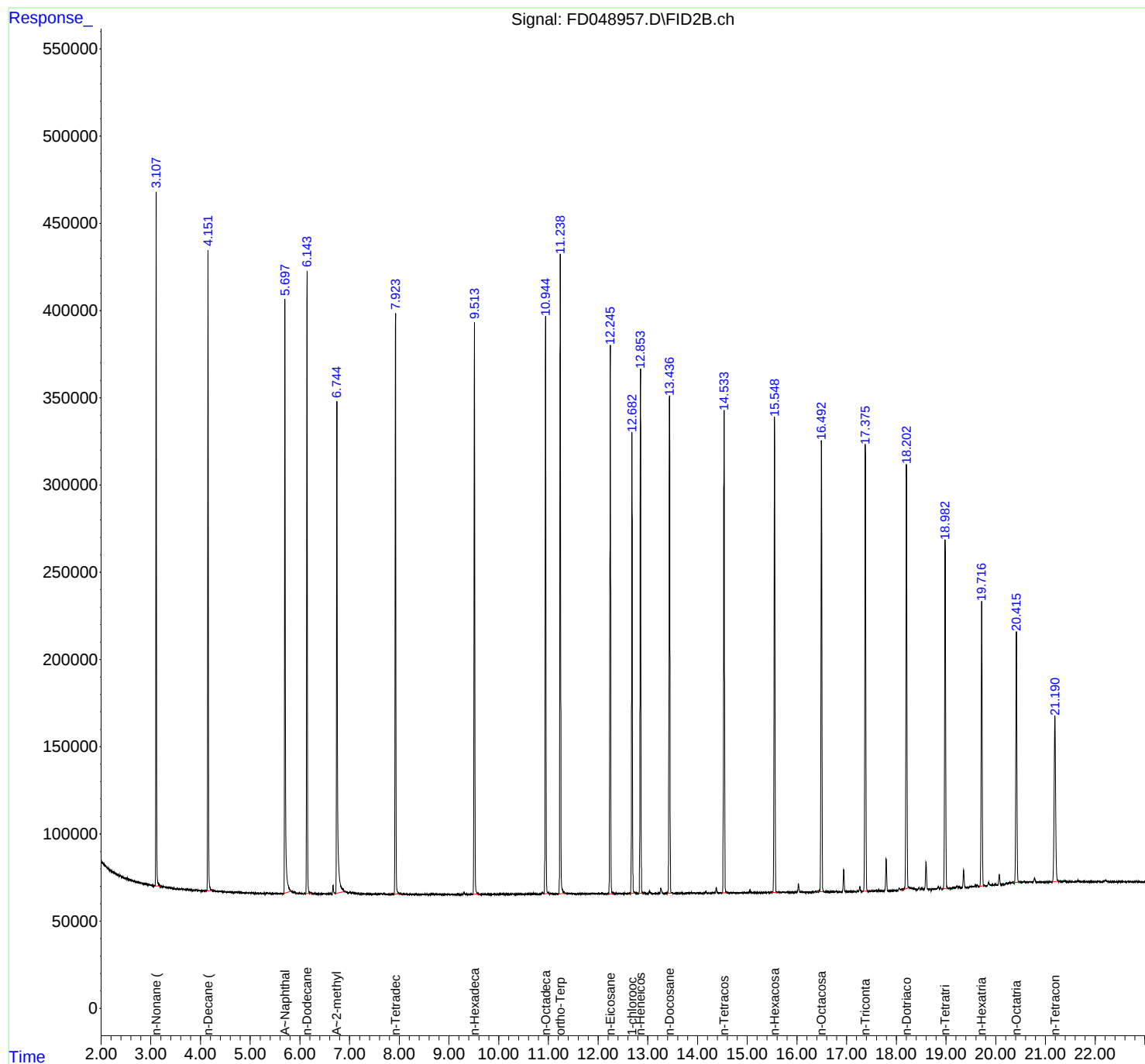
(m)=manual int.

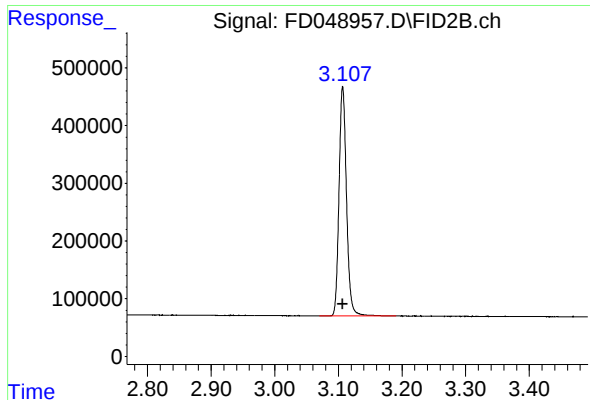
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AL\
Data File : FD048957.D
Signal(s) : FID2B.ch
Acq On : 24 Jan 2025 16:03
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Jan 25 05:54:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 05:52:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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

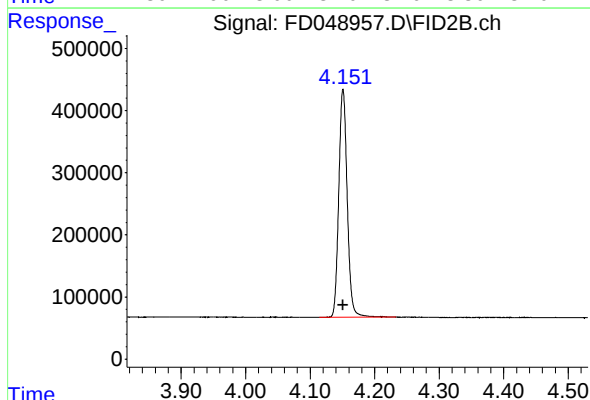




#1 n-Nonane (C9)

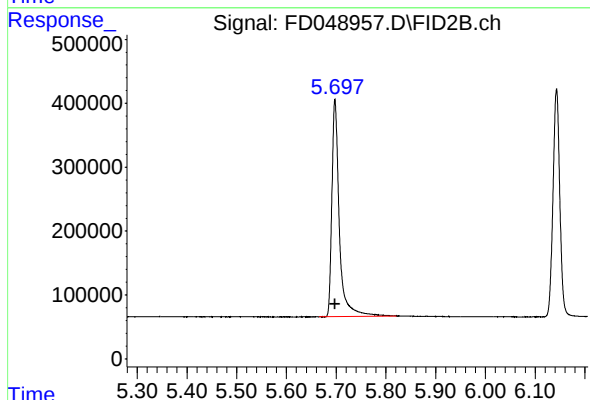
R.T.: 3.107 min
Delta R.T.: 0.000 min
Response: 3263352
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM ALIPHATIC HC STD3



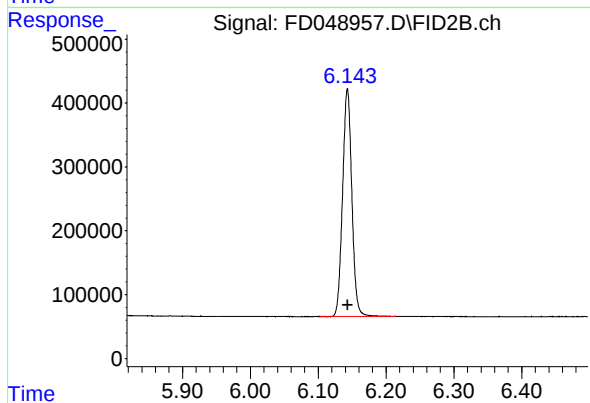
#2 n-Decane (C10)

R.T.: 4.151 min
Delta R.T.: 0.000 min
Response: 3330837
Conc: 20.00 ug/ml



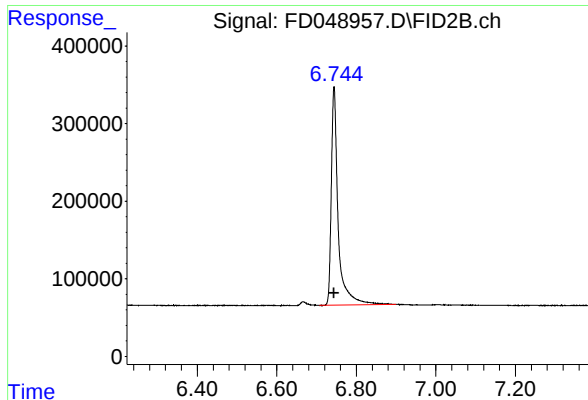
#3 A~Naphthalene (C11.7)

R.T.: 5.698 min
Delta R.T.: 0.000 min
Response: 3546562
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

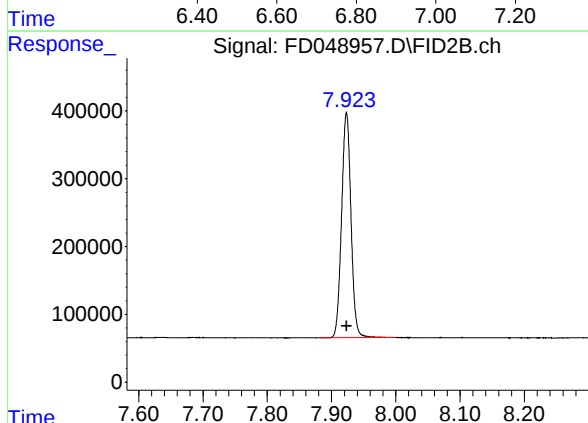
R.T.: 6.143 min
Delta R.T.: 0.000 min
Response: 3383503
Conc: 20.00 ug/ml



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

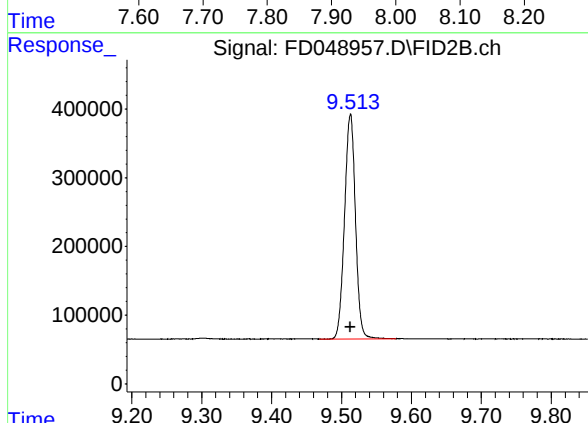
R.T.: 6.744 min
Delta R.T.: 0.000 min
Response: 3392892
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM ALIPHATIC HC STD3



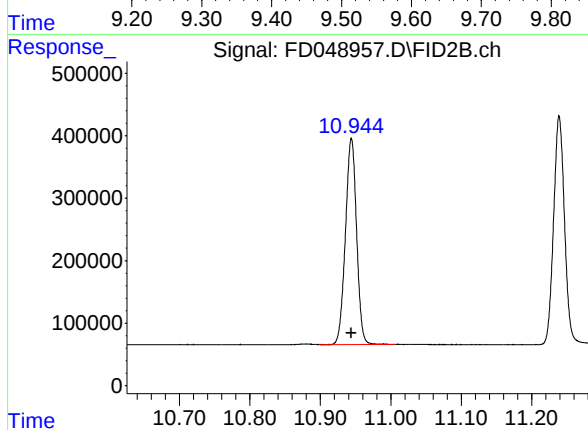
#6 n-Tetradecane (C14)

R.T.: 7.923 min
Delta R.T.: 0.000 min
Response: 3388926
Conc: 20.00 ug/ml



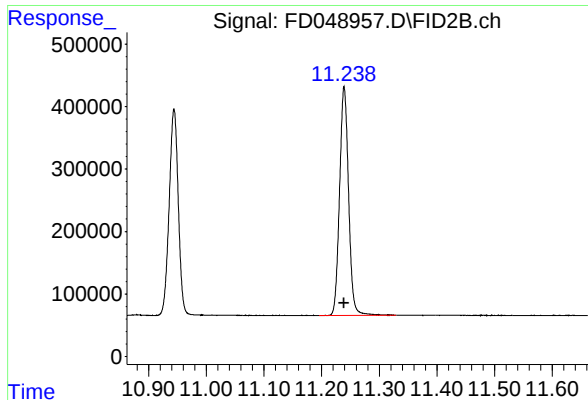
#7 n-Hexadecane (C16)

R.T.: 9.513 min
Delta R.T.: 0.000 min
Response: 3548037
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

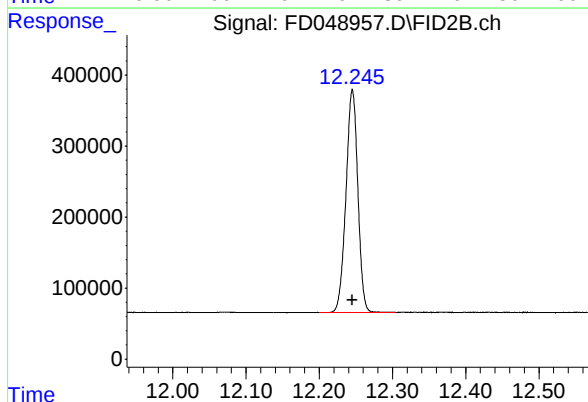
R.T.: 10.944 min
Delta R.T.: 0.000 min
Response: 3629555
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

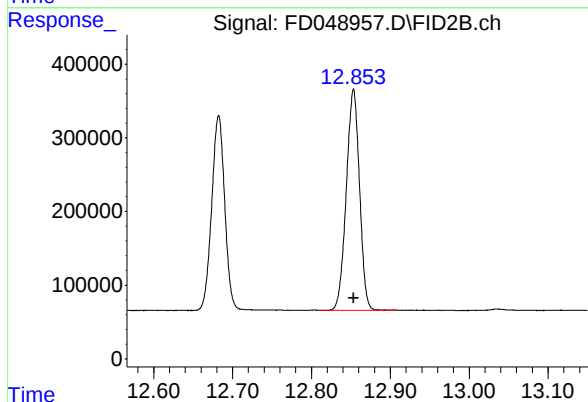
R.T.: 11.239 min
Delta R.T.: 0.000 min
Response: 3980701
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM ALIPHATIC HC STD3



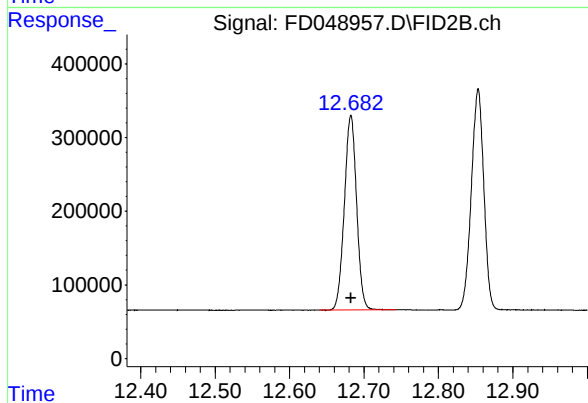
#10 n-Eicosane (C20)

R.T.: 12.245 min
Delta R.T.: 0.000 min
Response: 3537484
Conc: 20.00 ug/ml



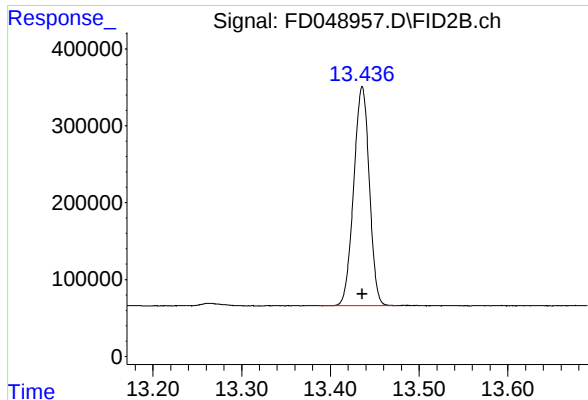
#11 n-Heneicosane (C21)

R.T.: 12.853 min
Delta R.T.: 0.000 min
Response: 3493600
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

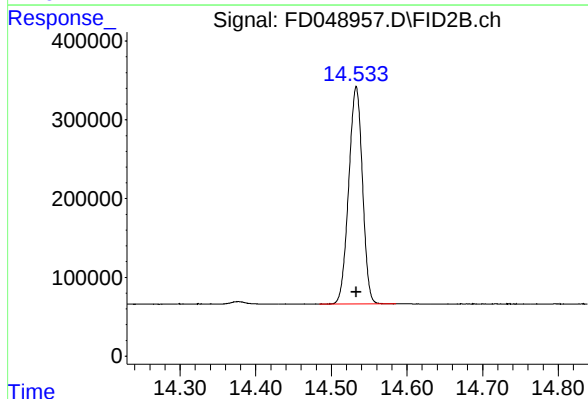
R.T.: 12.682 min
Delta R.T.: 0.000 min
Response: 3024945
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

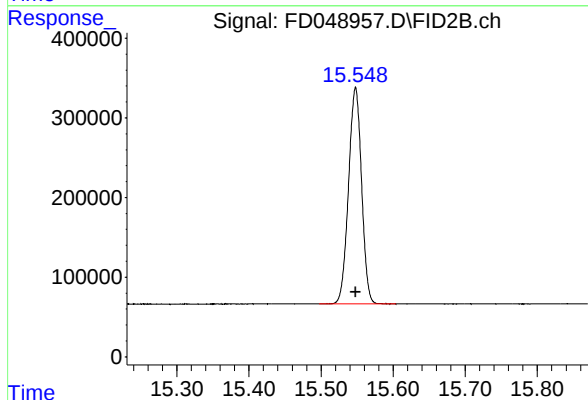
R.T.: 13.436 min
Delta R.T.: 0.000 min
Response: 3482968
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM ALIPHATIC HC STD3



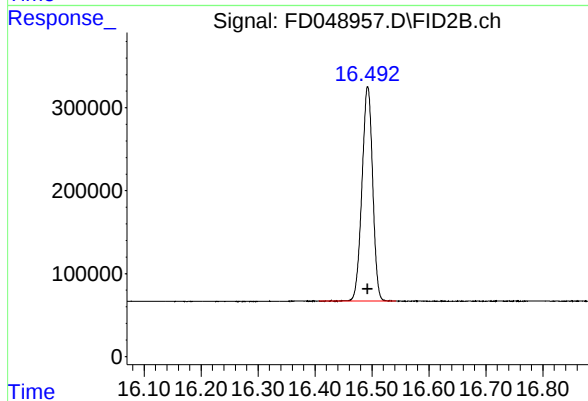
#14 n-Tetracosane (C24)

R.T.: 14.533 min
Delta R.T.: 0.000 min
Response: 3480775
Conc: 20.00 ug/ml



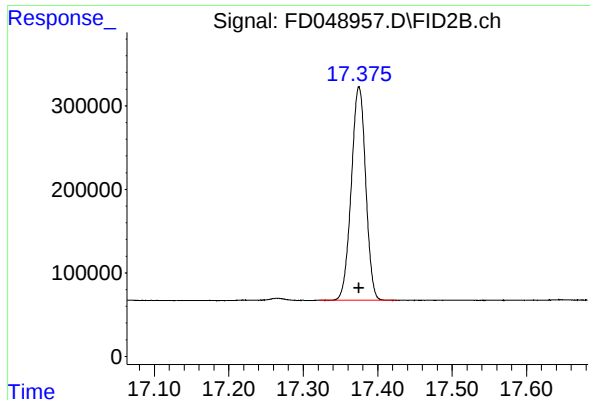
#15 n-Hexacosane (C26)

R.T.: 15.548 min
Delta R.T.: 0.000 min
Response: 3422317
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

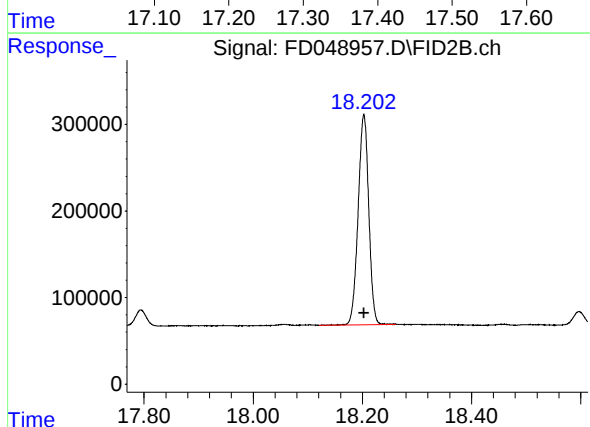
R.T.: 16.493 min
Delta R.T.: 0.000 min
Response: 3377786
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

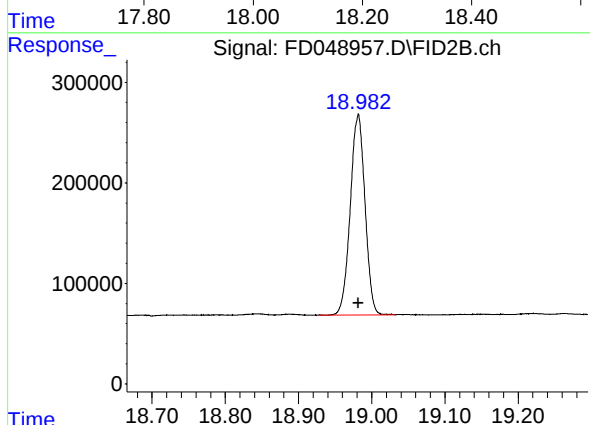
R.T.: 17.375 min
Delta R.T.: 0.000 min
Response: 3441663
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM ALIPHATIC HC STD3



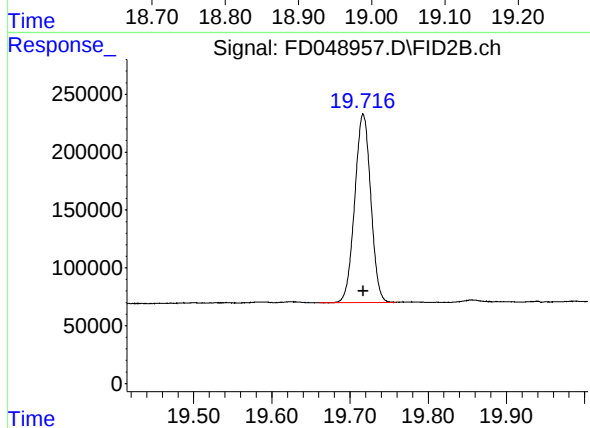
#18 n-Dotriacontane (C32)

R.T.: 18.203 min
Delta R.T.: 0.000 min
Response: 3278250
Conc: 20.00 ug/ml



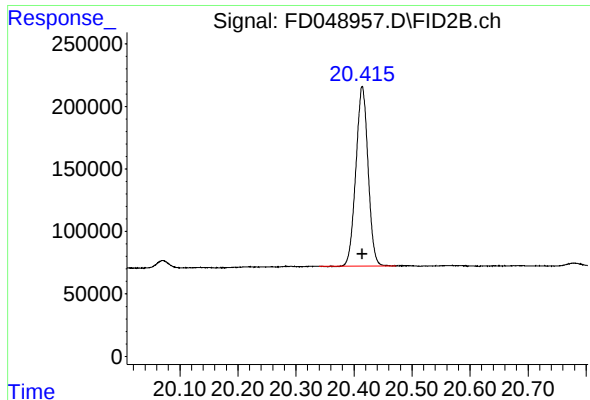
#19 n-Tetratriacontane (C34)

R.T.: 18.982 min
Delta R.T.: 0.000 min
Response: 2783794
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

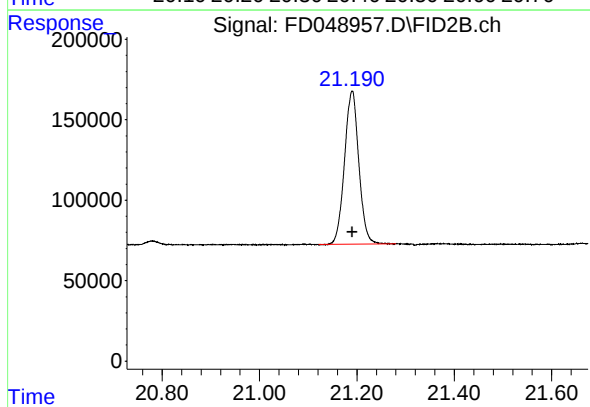
R.T.: 19.717 min
Delta R.T.: 0.000 min
Response: 2319303
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.414 min
Delta R.T.: 0.000 min
Response: 2098483
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 21.190 min
Delta R.T.: 0.000 min
Response: 1942110
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AL\
 Data File : FD048957.D
 Signal(s) : FID2B.ch
 Acq On : 24 Jan 2025 16:03
 Sample : 20 PPM ALIPHATIC HC STD3
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.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	3.107	3.070	3.191	BB	397478	3263352	81.98%	4.587%
2	4.151	4.114	4.233	BB	367109	3330837	83.67%	4.682%
3	5.698	5.666	5.820	BBA	340392	3546562	89.09%	4.985%
4	6.143	6.101	6.215	BB	356660	3383503	85.00%	4.756%
5	6.744	6.706	6.900	BB	281707	3392892	85.23%	4.769%
6	7.923	7.881	8.000	BBA	332358	3388926	85.13%	4.763%
7	9.513	9.468	9.578	BB	327540	3548037	89.13%	4.987%
8	10.944	10.898	11.007	BB	330603	3629555	91.18%	5.101%
9	11.239	11.196	11.329	BB	366405	3980701	100.00%	5.595%
10	12.245	12.200	12.305	BB	314102	3537484	88.87%	4.972%
11	12.682	12.640	12.743	BB	264270	3024945	75.99%	4.252%
12	12.853	12.810	12.907	BB	300602	3493600	87.76%	4.910%
13	13.436	13.387	13.474	BB	285101	3482968	87.50%	4.895%
14	14.533	14.484	14.586	BB	276655	3480775	87.44%	4.892%
15	15.548	15.497	15.604	BB	272444	3422317	85.97%	4.810%
16	16.493	16.407	16.542	BB	258728	3377786	84.85%	4.748%
17	17.375	17.321	17.425	BB	255970	3441663	86.46%	4.837%
18	18.203	18.121	18.261	BB	243160	3278250	82.35%	4.608%
19	18.982	18.928	19.033	BB	199533	2783794	69.93%	3.913%
20	19.717	19.661	19.759	BB	162935	2319303	58.26%	3.260%
21	20.414	20.340	20.472	BB	143868	2098483	52.72%	2.949%
22	21.190	21.122	21.280	BBA	95087	1942110	48.79%	2.730%
Sum of corrected areas:							71147843	

Aliphatic EPH 012425.M Sat Jan 25 06:09:53 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AL\
 Data File : FD048958.D
 Signal(s) : FID2B.ch
 Acq On : 24 Jan 2025 16:39
 Operator : YP/AJ
 Sample : 10 PPM ALIPHATIC HC STD4
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
 Quant Time: Jan 25 05:54:16 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.M
 Quant Title : GC Extractables
 QLast Update : Sat Jan 25 05:52:04 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.240	2061185	10.356 ug/ml
Spiked Amount 50.000		Recovery =	20.71%
12) S 1-chlorooctadecane (S...	12.682	1564090	10.341 ug/ml
Spiked Amount 50.000		Recovery =	20.68%
Target Compounds			
1) T n-Nonane (C9)	3.107	1721241	10.549 ug/ml
2) T n-Decane (C10)	4.151	1756217	10.545 ug/ml
3) T A~Naphthalene (C11.7)	5.700	1810598	10.210 ug/ml
4) T n-Dodecane (C12)	6.143	1783481	10.542 ug/ml
5) T A~2-methylnaphthalene...	6.748	1715475	10.112 ug/ml
6) T n-Tetradecane (C14)	7.924	1773276	10.465 ug/ml
7) T n-Hexadecane (C16)	9.512	1845449	10.403 ug/ml
8) T n-Octadecane (C18)	10.943	1895311	10.444 ug/ml
10) T n-Eicosane (C20)	12.244	1844999	10.431 ug/ml
11) T n-Heneicosane (C21)	12.852	1830506	10.479 ug/ml
13) T n-Docosane (C22)	13.435	1826383	10.488 ug/ml
14) T n-Tetracosane (C24)	14.531	1831157	10.522 ug/ml
15) T n-Hexacosane (C26)	15.546	1800363	10.521 ug/ml
16) T n-Octacosane (C28)	16.491	1778532	10.531 ug/ml
17) T n-Tricontane (C30)	17.372	1831119	10.641 ug/ml
18) T n-Dotriacontane (C32)	18.202	1740107	10.616 ug/ml
19) T n-Tetratriacontane (C34)	18.981	1505456	10.816 ug/ml
20) T n-Hexatriacontane (C36)	19.716	1233205	10.634 ug/ml
21) T n-Octatriacontane (C38)	20.414	1113475	10.612 ug/ml
22) T n-Tetracontane (C40)	21.191	1005133	10.351 ug/ml

(f)=RT Delta > 1/2 Window

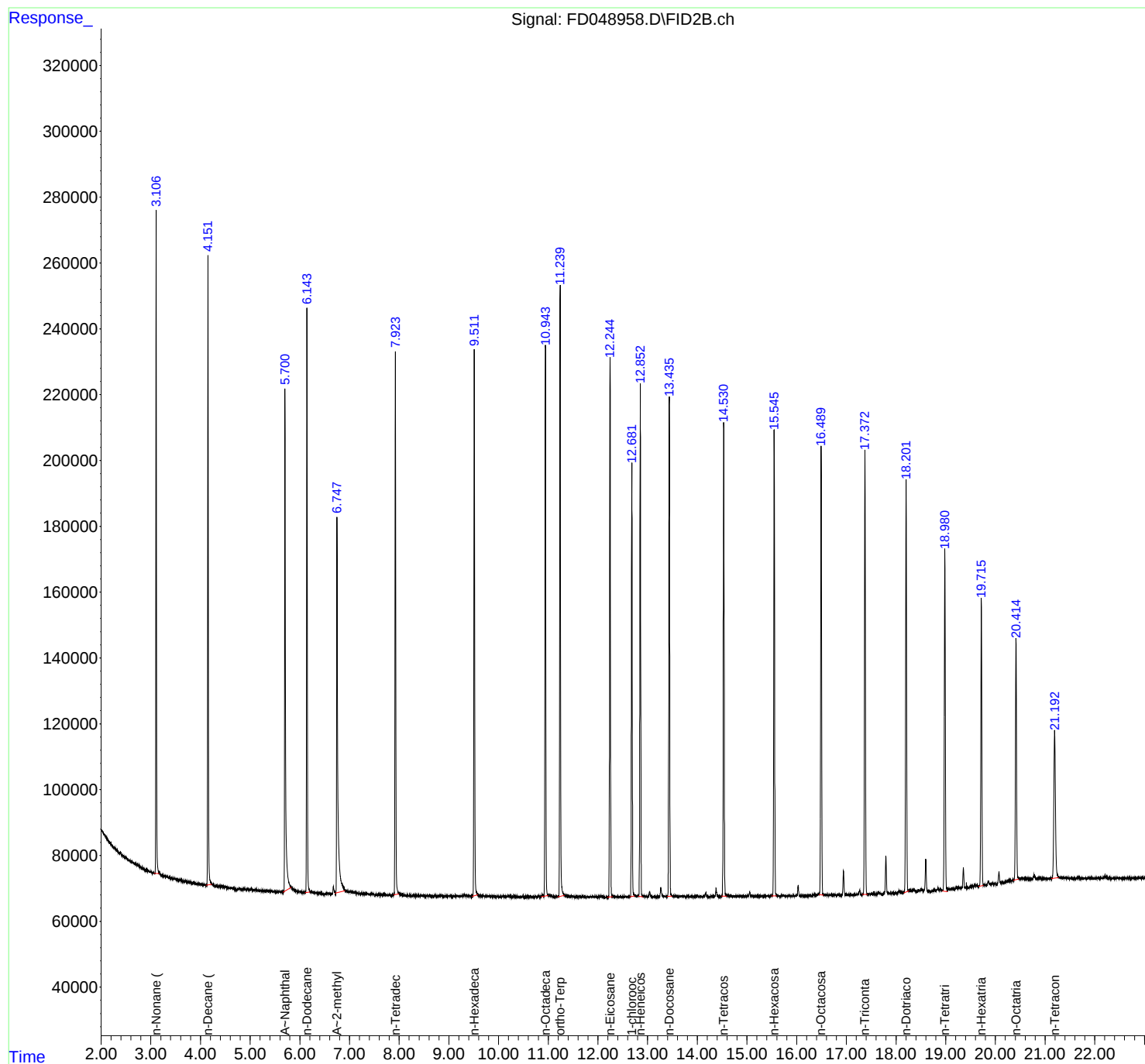
(m)=manual int.

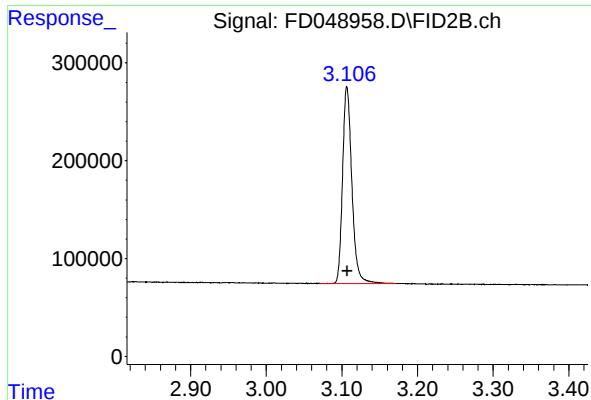
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AL\
Data File : FD048958.D
Signal(s) : FID2B.ch
Acq On : 24 Jan 2025 16:39
Operator : YP/AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Jan 25 05:54:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 05:52:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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

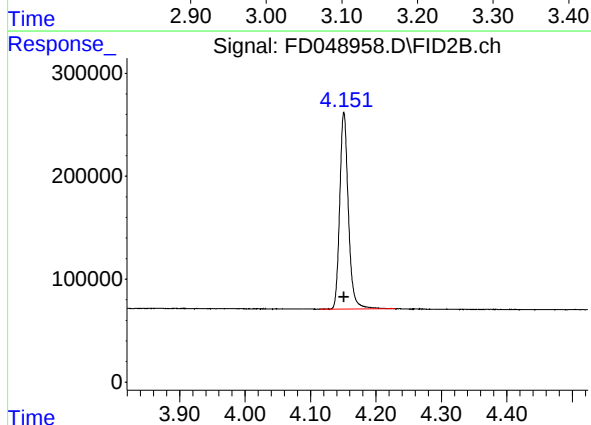




#1 n-Nonane (C9)

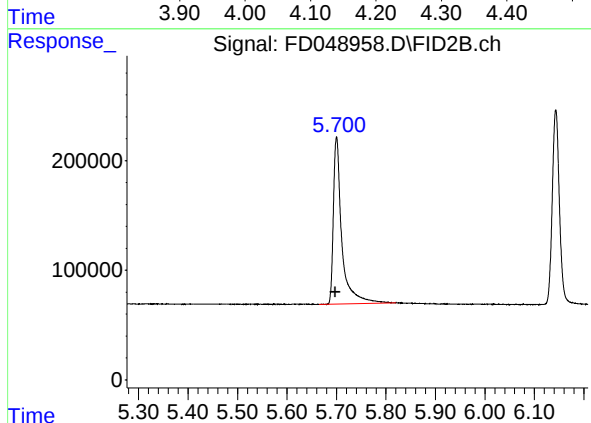
R.T.: 3.107 min
Delta R.T.: 0.000 min
Response: 1721241
Conc: 10.55 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM ALIPHATIC HC STD4



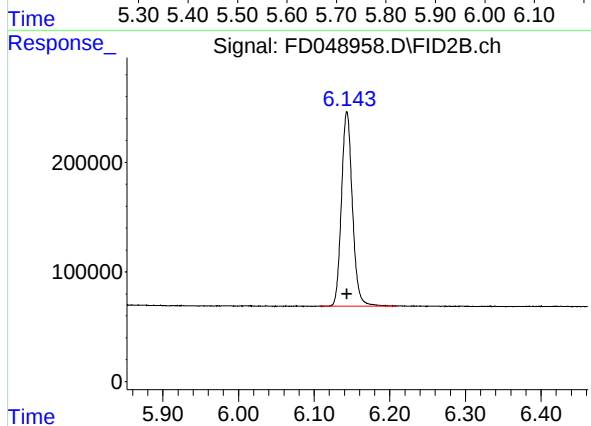
#2 n-Decane (C10)

R.T.: 4.151 min
Delta R.T.: 0.000 min
Response: 1756217
Conc: 10.55 ug/ml



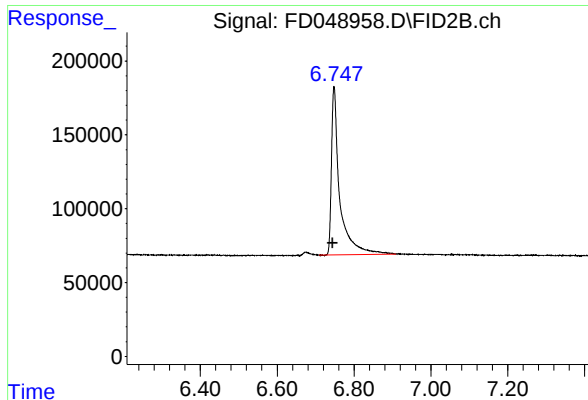
#3 A~Naphthalene (C11.7)

R.T.: 5.700 min
Delta R.T.: 0.003 min
Response: 1810598
Conc: 10.21 ug/ml



#4 n-Dodecane (C12)

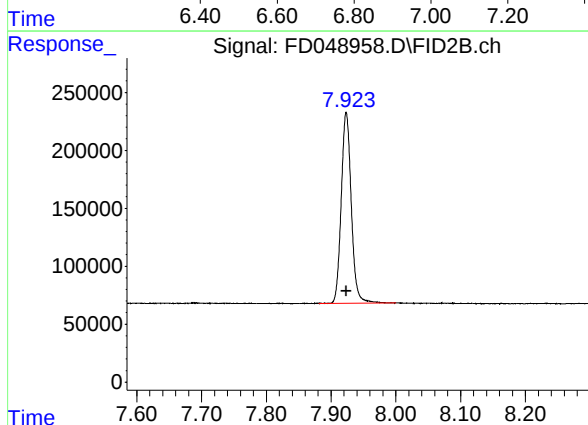
R.T.: 6.143 min
Delta R.T.: 0.000 min
Response: 1783481
Conc: 10.54 ug/ml



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

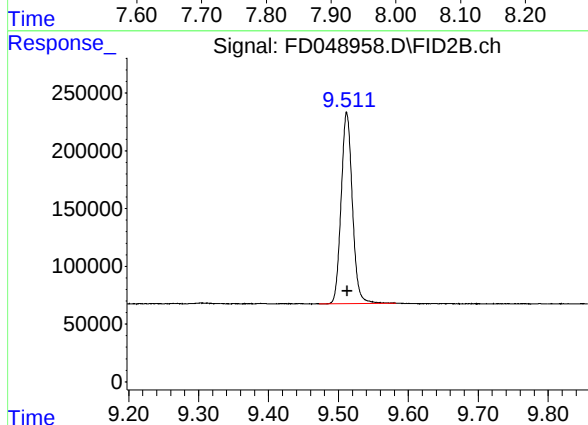
R.T.: 6.748 min
Delta R.T.: 0.004 min
Response: 1715475
Conc: 10.11 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM ALIPHATIC HC STD4



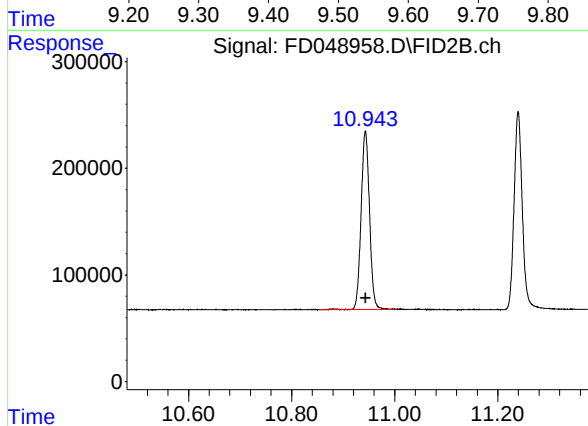
#6 n-Tetradecane (C14)

R.T.: 7.924 min
Delta R.T.: 0.000 min
Response: 1773276
Conc: 10.47 ug/ml



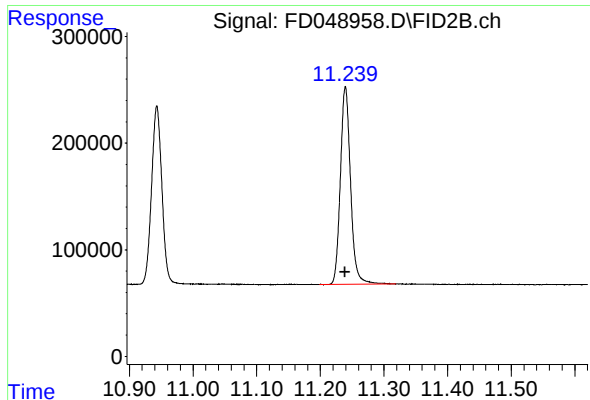
#7 n-Hexadecane (C16)

R.T.: 9.512 min
Delta R.T.: 0.000 min
Response: 1845449
Conc: 10.40 ug/ml



#8 n-Octadecane (C18)

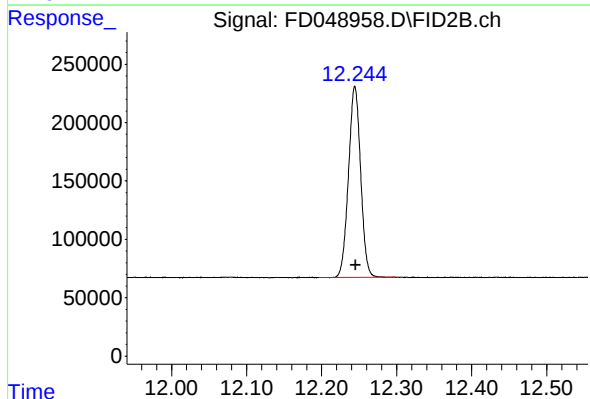
R.T.: 10.943 min
Delta R.T.: 0.000 min
Response: 1895311
Conc: 10.44 ug/ml



#9 ortho-Terphenyl (SURR)

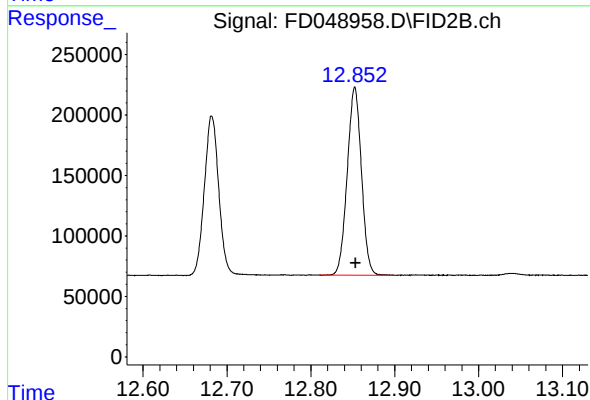
R.T.: 11.240 min
Delta R.T.: 0.000 min
Response: 2061185
Conc: 10.36 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM ALIPHATIC HC STD4



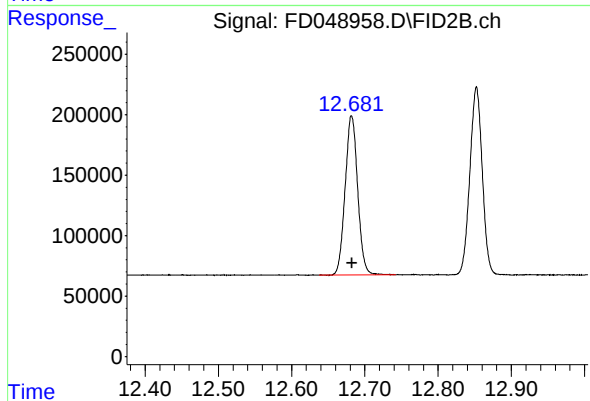
#10 n-Eicosane (C20)

R.T.: 12.244 min
Delta R.T.: 0.000 min
Response: 1844999
Conc: 10.43 ug/ml



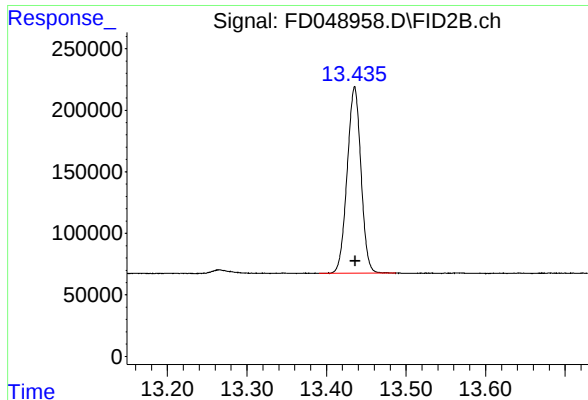
#11 n-Heneicosane (C21)

R.T.: 12.852 min
Delta R.T.: -0.001 min
Response: 1830506
Conc: 10.48 ug/ml



#12 1-chlorooctadecane (SURR)

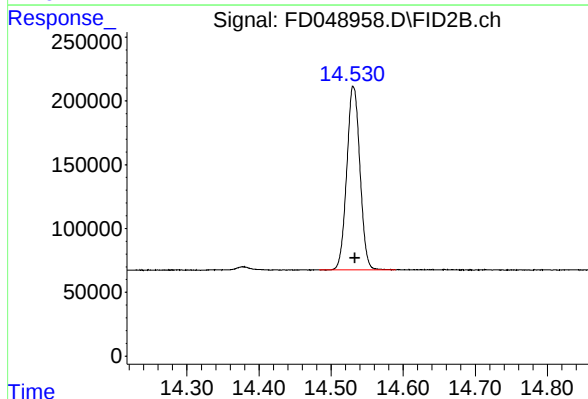
R.T.: 12.682 min
Delta R.T.: 0.000 min
Response: 1564090
Conc: 10.34 ug/ml



#13 n-Docosane (C22)

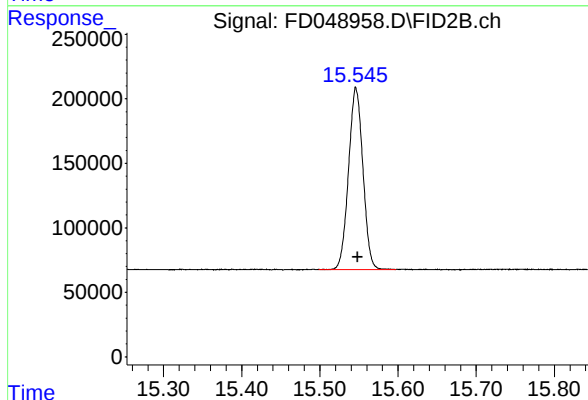
R.T.: 13.435 min
Delta R.T.: 0.000 min
Response: 1826383
Conc: 10.49 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM ALIPHATIC HC STD4



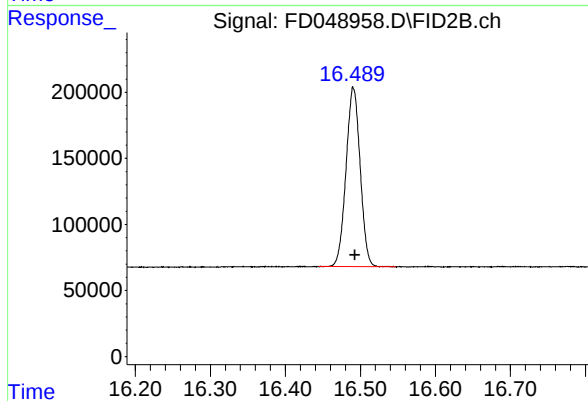
#14 n-Tetracosane (C24)

R.T.: 14.531 min
Delta R.T.: -0.002 min
Response: 1831157
Conc: 10.52 ug/ml



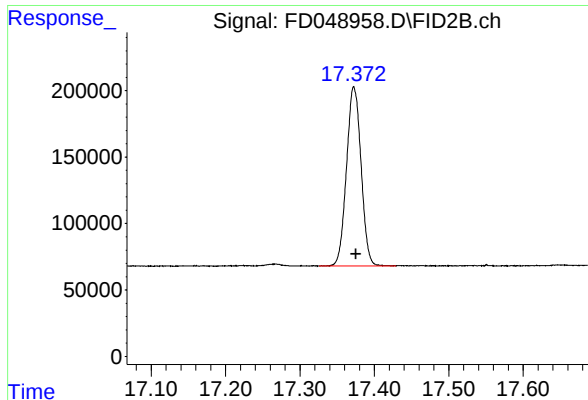
#15 n-Hexacosane (C26)

R.T.: 15.546 min
Delta R.T.: -0.002 min
Response: 1800363
Conc: 10.52 ug/ml



#16 n-Octacosane (C28)

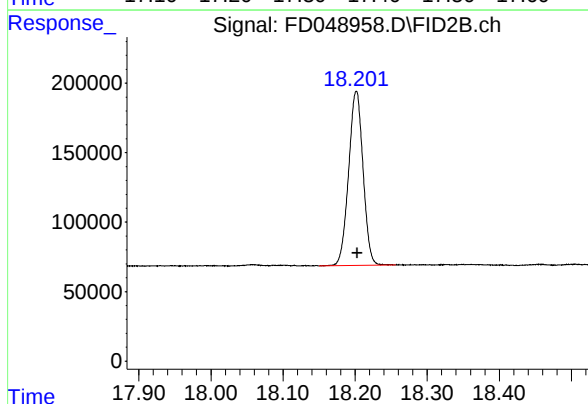
R.T.: 16.491 min
Delta R.T.: -0.002 min
Response: 1778532
Conc: 10.53 ug/ml



#17 n-Tricontane (C30)

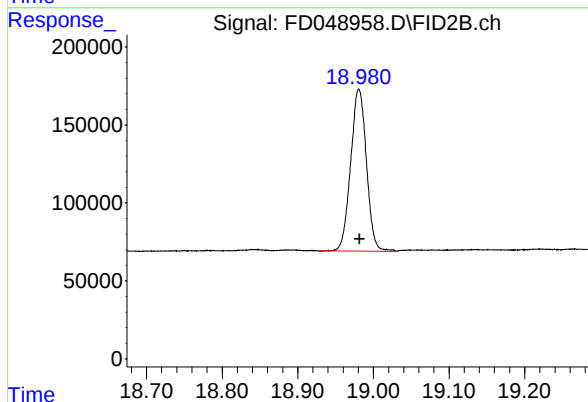
R.T.: 17.372 min
Delta R.T.: -0.003 min
Response: 1831119
Conc: 10.64 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM ALIPHATIC HC STD4



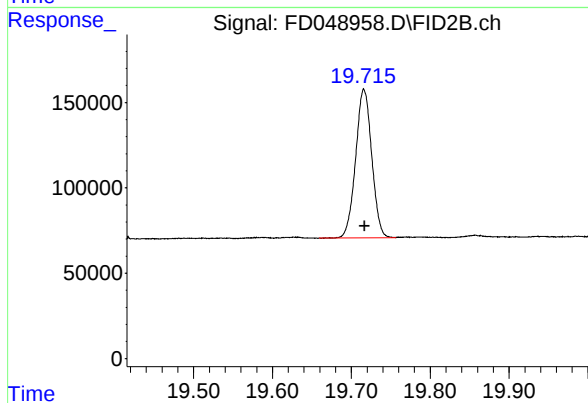
#18 n-Dotriacontane (C32)

R.T.: 18.202 min
Delta R.T.: -0.001 min
Response: 1740107
Conc: 10.62 ug/ml



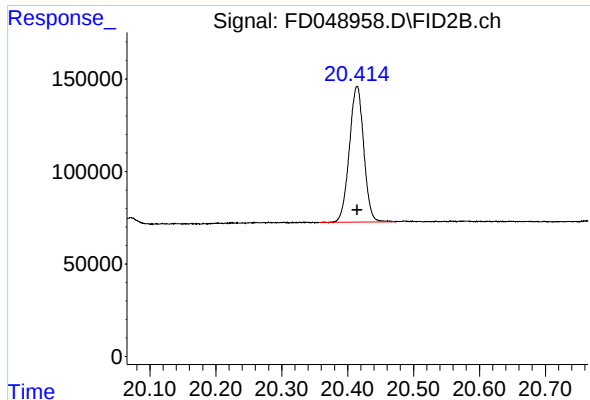
#19 n-Tetatriacontane (C34)

R.T.: 18.981 min
Delta R.T.: 0.000 min
Response: 1505456
Conc: 10.82 ug/ml



#20 n-Hexatriacontane (C36)

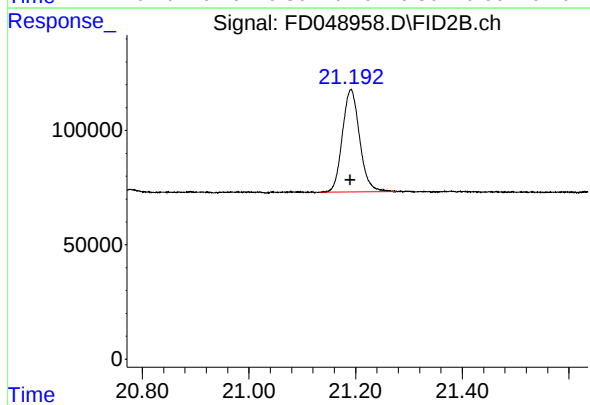
R.T.: 19.716 min
Delta R.T.: 0.000 min
Response: 1233205
Conc: 10.63 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.414 min
Delta R.T.: 0.000 min
Response: 1113475
Conc: 10.61 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 21.191 min
Delta R.T.: 0.000 min
Response: 1005133
Conc: 10.35 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AL\
 Data File : FD048958.D
 Signal(s) : FID2B.ch
 Acq On : 24 Jan 2025 16:39
 Sample : 10 PPM ALIPHATIC HC STD4
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.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	3.107	3.070	3.171	BB	201300	1721241	83.51%	4.619%
2	4.151	4.113	4.231	BB	190878	1756217	85.20%	4.713%
3	5.700	5.665	5.820	BBA	152545	1810598	87.84%	4.858%
4	6.143	6.106	6.208	BB	177576	1783481	86.53%	4.786%
5	6.748	6.709	6.909	BB	114053	1715475	83.23%	4.603%
6	7.924	7.881	8.000	BBA	164894	1773276	86.03%	4.758%
7	9.512	9.472	9.582	BB	165293	1845449	89.53%	4.952%
8	10.943	10.853	11.002	BB	167384	1895311	91.95%	5.086%
9	11.240	11.198	11.319	BB	185709	2061185	100.00%	5.531%
10	12.244	12.196	12.299	BB	163721	1844999	89.51%	4.951%
11	12.682	12.637	12.742	BB	131427	1564090	75.88%	4.197%
12	12.852	12.810	12.901	BB	155591	1830506	88.81%	4.912%
13	13.435	13.391	13.487	BB	151800	1826383	88.61%	4.901%
14	14.531	14.483	14.590	BB	143576	1831157	88.84%	4.914%
15	15.546	15.499	15.597	BB	140641	1800363	87.35%	4.831%
16	16.491	16.445	16.547	BB	135096	1778532	86.29%	4.772%
17	17.372	17.326	17.429	BB	134902	1831119	88.84%	4.914%
18	18.202	18.150	18.256	BB	125369	1740107	84.42%	4.669%
19	18.981	18.928	19.030	BV	104013	1505456	73.04%	4.040%
20	19.716	19.659	19.756	BB	87354	1233205	59.83%	3.309%
21	20.414	20.356	20.473	BB	73395	1113475	54.02%	2.988%
22	21.191	21.131	21.276	BB	44853	1005133	48.76%	2.697%
Sum of corrected areas:							37266758	

Aliphatic EPH 012425.M Sat Jan 25 06:10:21 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AL\
 Data File : FD048959.D
 Signal(s) : FID2B.ch
 Acq On : 24 Jan 2025 17:17
 Operator : YP/AJ
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
 Quant Time: Jan 25 05:54:27 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.M
 Quant Title : GC Extractables
 QLast Update : Sat Jan 25 05:52:04 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.241	962625	4.836 ug/ml
Spiked Amount 50.000		Recovery =	9.67%
12) S 1-chlorooctadecane (S...	12.683	729696	4.825 ug/ml
Spiked Amount 50.000		Recovery =	9.65%
Target Compounds			
1) T n-Nonane (C9)	3.109	796124	4.879 ug/ml
2) T n-Decane (C10)	4.153	807517	4.849 ug/ml
3) T A~Naphthalene (C11.7)	5.706	773975	4.365 ug/ml
4) T n-Dodecane (C12)	6.144	822516	4.862 ug/ml
5) T A~2-methylnaphthalene...	6.760	660675	3.894 ug/ml
6) T n-Tetradecane (C14)	7.925	817393	4.824 ug/ml
7) T n-Hexadecane (C16)	9.514	854999	4.820 ug/ml
8) T n-Octadecane (C18)	10.943	878881	4.843 ug/ml
10) T n-Eicosane (C20)	12.245	873103	4.936 ug/ml
11) T n-Heneicosane (C21)	12.852	865461	4.955 ug/ml
13) T n-Docosane (C22)	13.435	864209	4.962 ug/ml
14) T n-Tetracosane (C24)	14.532	871301	5.006 ug/ml
15) T n-Hexacosane (C26)	15.547	858158	5.015 ug/ml
16) T n-Octacosane (C28)	16.492	887513	5.255 ug/ml
17) T n-Tricontane (C30)	17.374	975826	5.671 ug/ml
18) T n-Dotriacontane (C32)	18.202	947482	5.780 ug/ml
19) T n-Tetratriacontane (C34)	18.981	785370	5.642 ug/ml
20) T n-Hexatriacontane (C36)	19.716	622331	5.367 ug/ml
21) T n-Octatriacontane (C38)	20.414	536112	5.110 ug/ml
22) T n-Tetracontane (C40)	21.195	486623	5.011 ug/ml

(f)=RT Delta > 1/2 Window

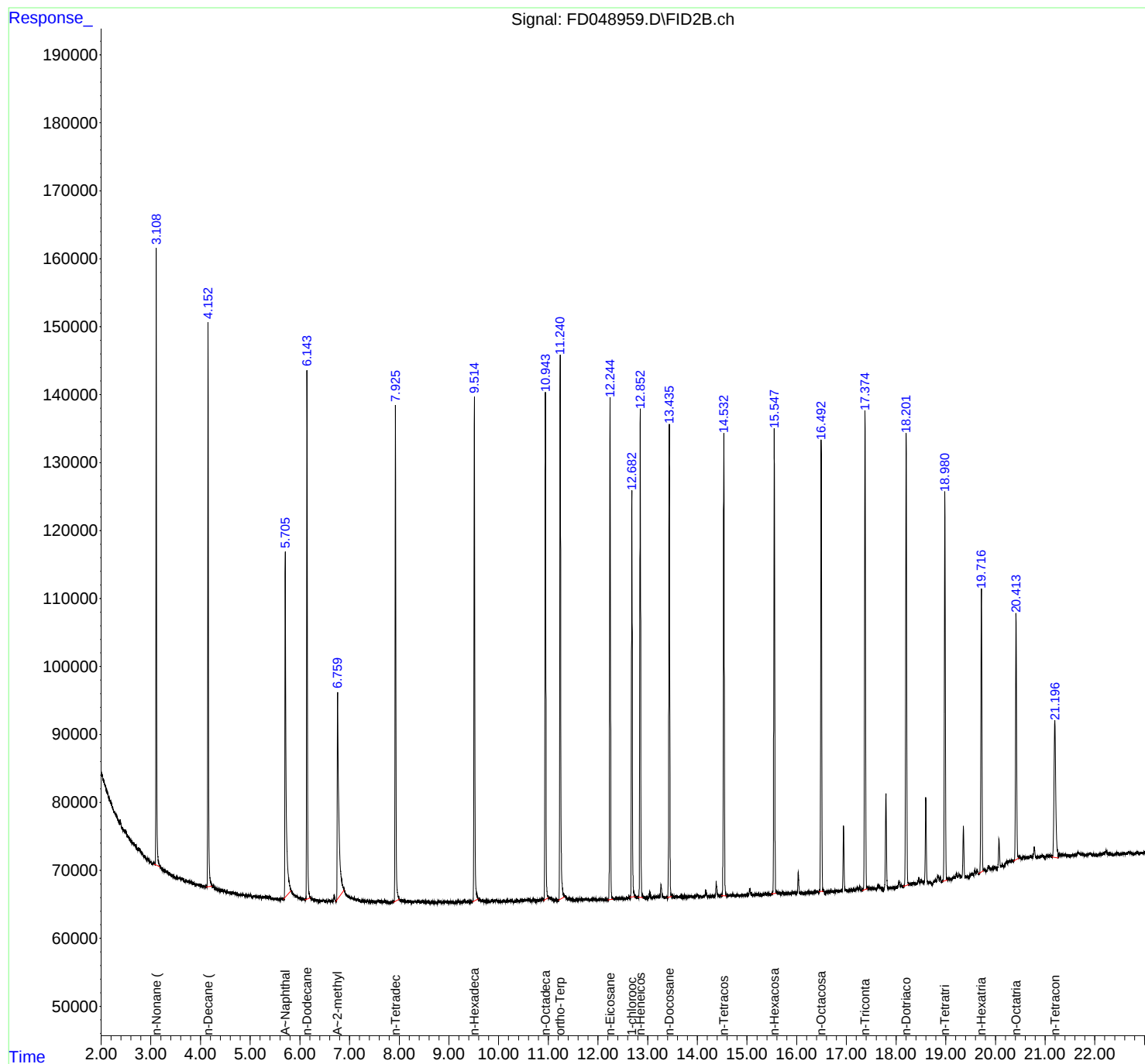
(m)=manual int.

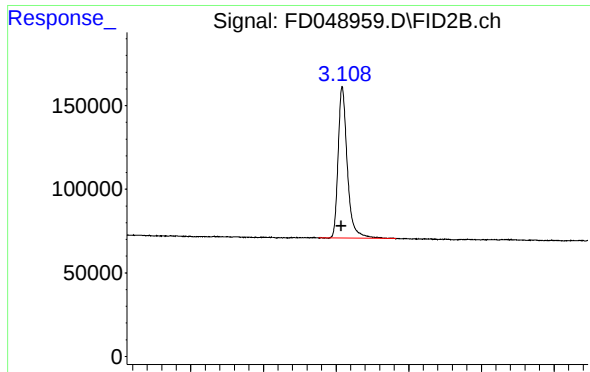
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AL\
Data File : FD048959.D
Signal(s) : FID2B.ch
Acq On : 24 Jan 2025 17:17
Operator : YP/AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Jan 25 05:54:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 05:52:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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

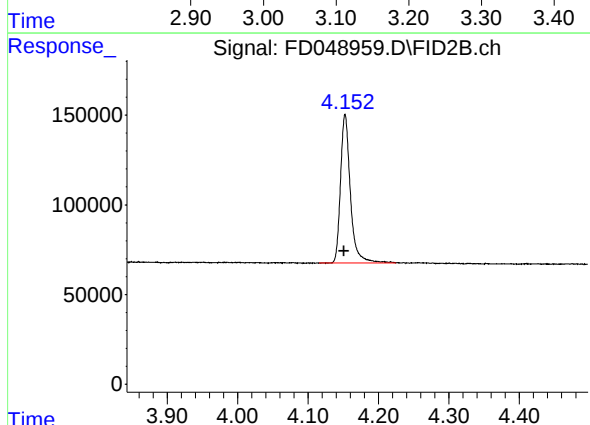




#1 n-Nonane (C9)

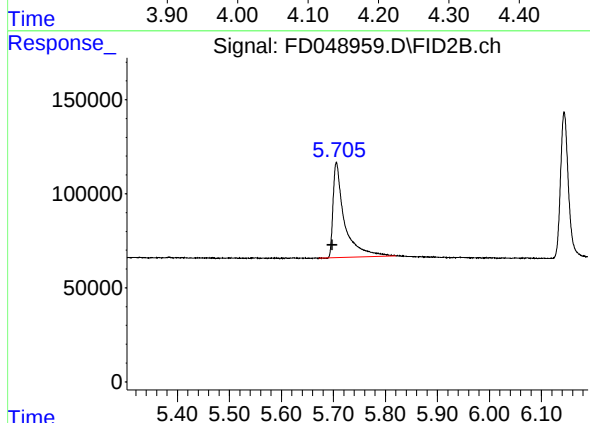
R.T.: 3.109 min
Delta R.T.: 0.002 min
Response: 796124
Conc: 4.88 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM ALIPHATIC HC STD5



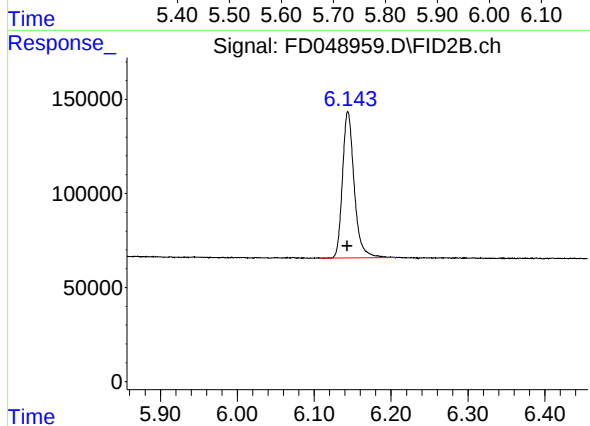
#2 n-Decane (C10)

R.T.: 4.153 min
Delta R.T.: 0.002 min
Response: 807517
Conc: 4.85 ug/ml



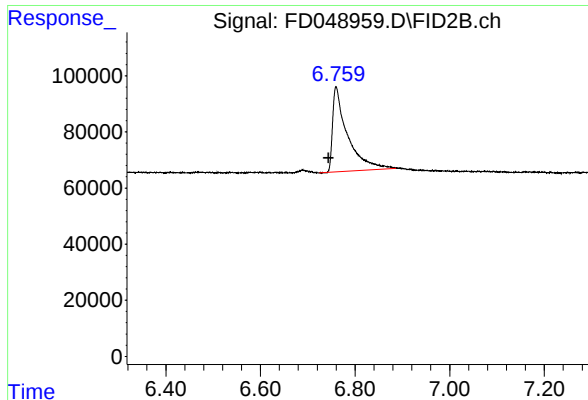
#3 A~Naphthalene (C11.7)

R.T.: 5.706 min
Delta R.T.: 0.008 min
Response: 773975
Conc: 4.36 ug/ml



#4 n-Dodecane (C12)

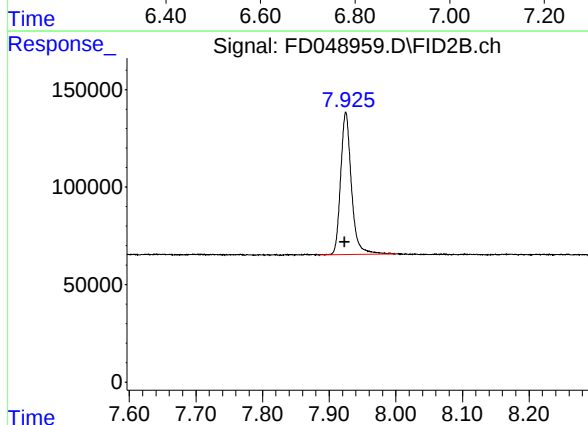
R.T.: 6.144 min
Delta R.T.: 0.000 min
Response: 822516
Conc: 4.86 ug/ml



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

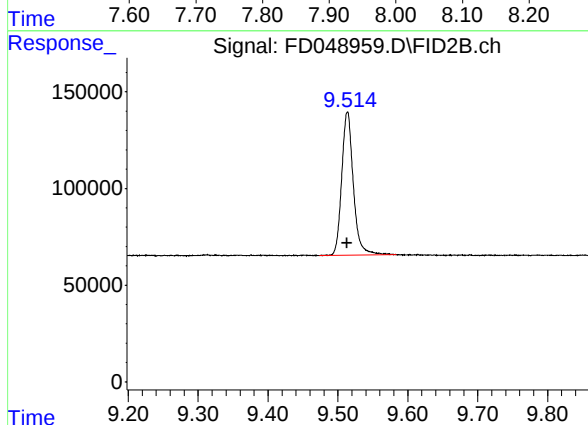
R.T.: 6.760 min
Delta R.T.: 0.016 min
Response: 660675
Conc: 3.89 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM ALIPHATIC HC STD5



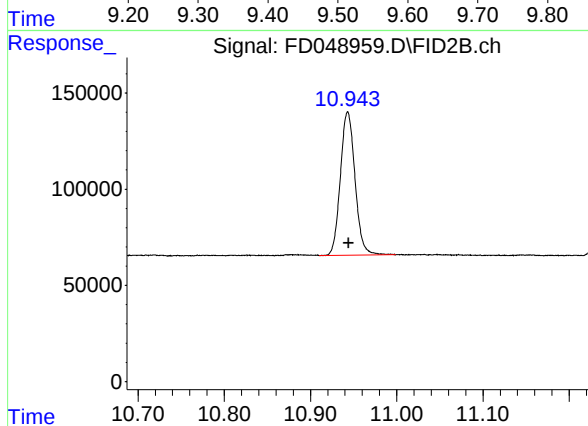
#6 n-Tetradecane (C14)

R.T.: 7.925 min
Delta R.T.: 0.002 min
Response: 817393
Conc: 4.82 ug/ml



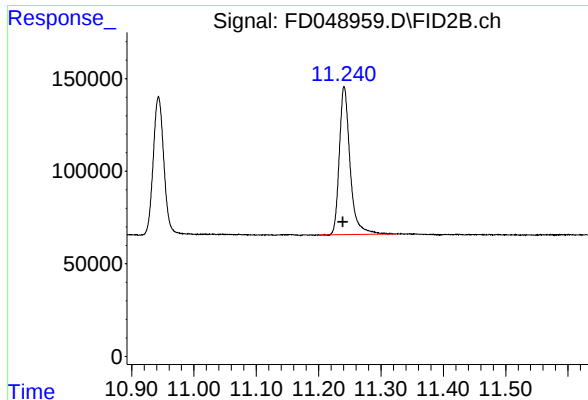
#7 n-Hexadecane (C16)

R.T.: 9.514 min
Delta R.T.: 0.000 min
Response: 854999
Conc: 4.82 ug/ml



#8 n-Octadecane (C18)

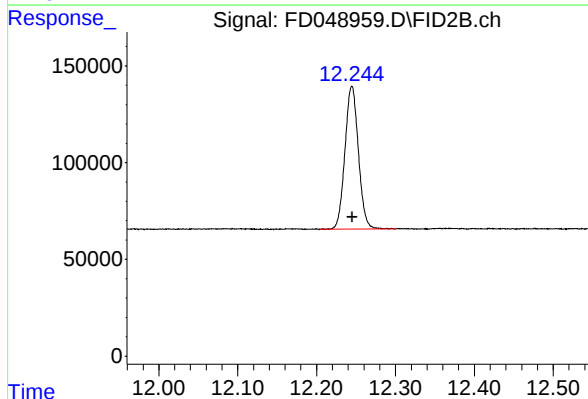
R.T.: 10.943 min
Delta R.T.: 0.000 min
Response: 878881
Conc: 4.84 ug/ml



#9 ortho-Terphenyl (SURR)

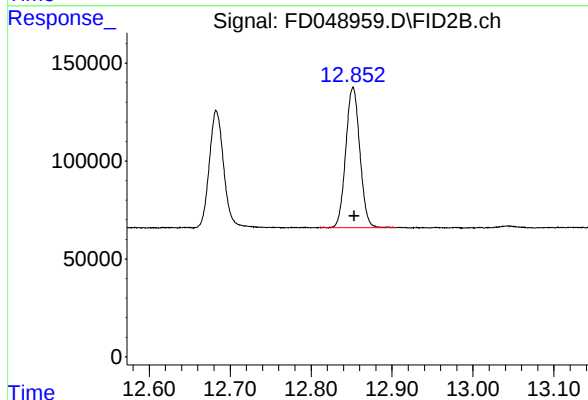
R.T.: 11.241 min
Delta R.T.: 0.002 min
Response: 962625
Conc: 4.84 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM ALIPHATIC HC STD5



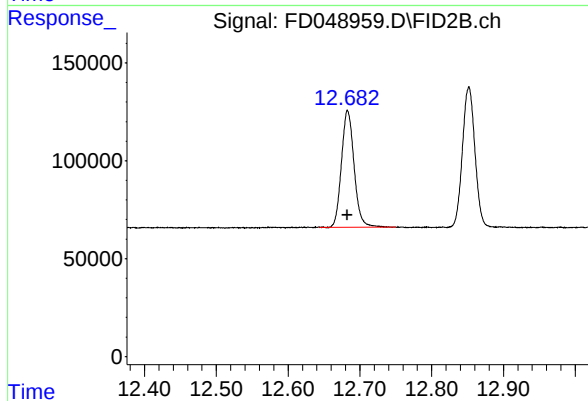
#10 n-Eicosane (C20)

R.T.: 12.245 min
Delta R.T.: 0.000 min
Response: 873103
Conc: 4.94 ug/ml



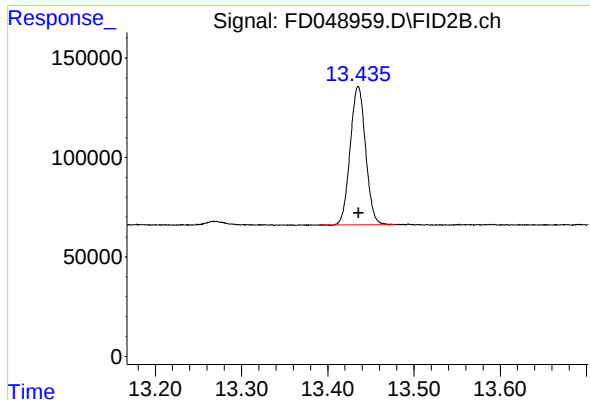
#11 n-Heneicosane (C21)

R.T.: 12.852 min
Delta R.T.: -0.002 min
Response: 865461
Conc: 4.95 ug/ml



#12 1-chlorooctadecane (SURR)

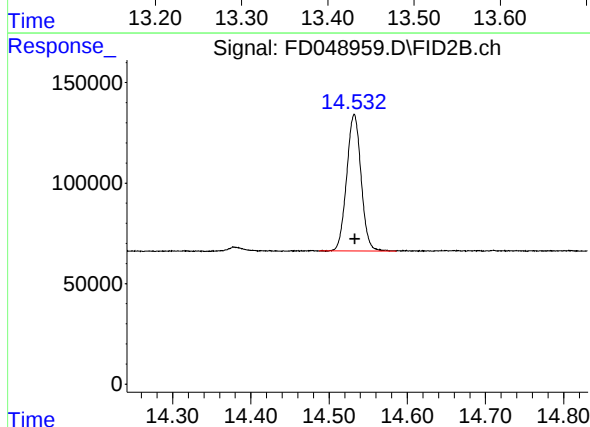
R.T.: 12.683 min
Delta R.T.: 0.000 min
Response: 729696
Conc: 4.82 ug/ml



#13 n-Docosane (C22)

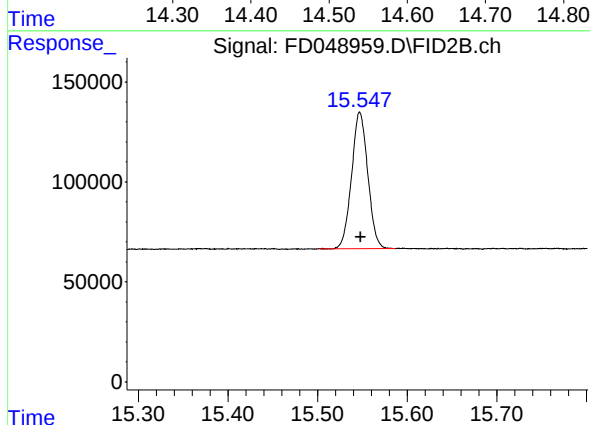
R.T.: 13.435 min
Delta R.T.: 0.000 min
Response: 864209
Conc: 4.96 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM ALIPHATIC HC STD5



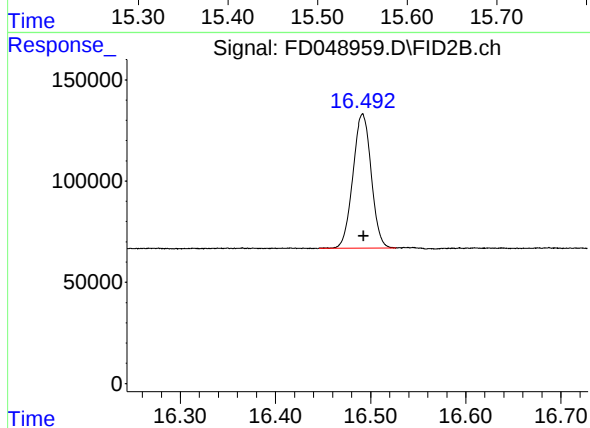
#14 n-Tetracosane (C24)

R.T.: 14.532 min
Delta R.T.: 0.000 min
Response: 871301
Conc: 5.01 ug/ml



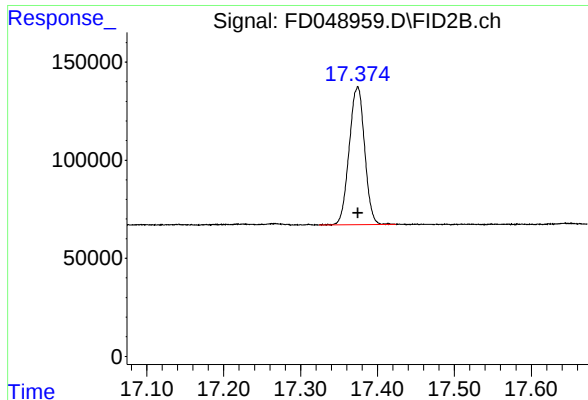
#15 n-Hexacosane (C26)

R.T.: 15.547 min
Delta R.T.: 0.000 min
Response: 858158
Conc: 5.02 ug/ml



#16 n-Octacosane (C28)

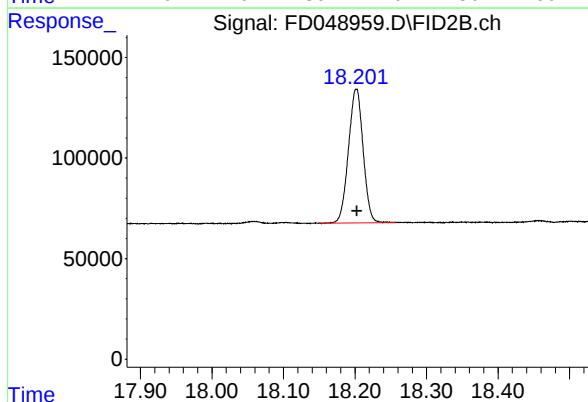
R.T.: 16.492 min
Delta R.T.: 0.000 min
Response: 887513
Conc: 5.25 ug/ml



#17 n-Tricontane (C30)

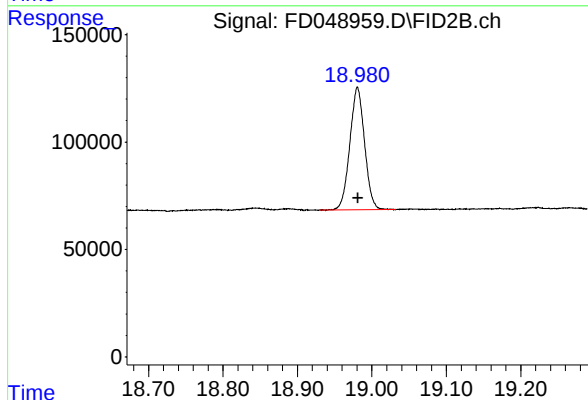
R.T.: 17.374 min
Delta R.T.: 0.000 min
Response: 975826
Conc: 5.67 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM ALIPHATIC HC STD5



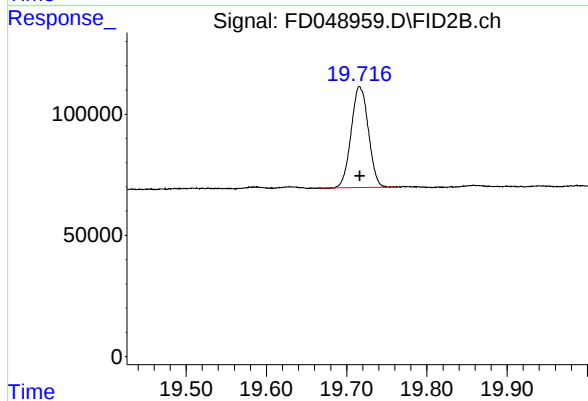
#18 n-Dotriacontane (C32)

R.T.: 18.202 min
Delta R.T.: 0.000 min
Response: 947482
Conc: 5.78 ug/ml



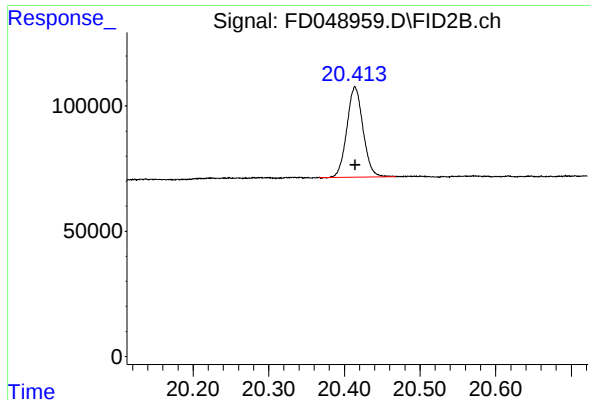
#19 n-Tetatriacontane (C34)

R.T.: 18.981 min
Delta R.T.: -0.001 min
Response: 785370
Conc: 5.64 ug/ml



#20 n-Hexatriacontane (C36)

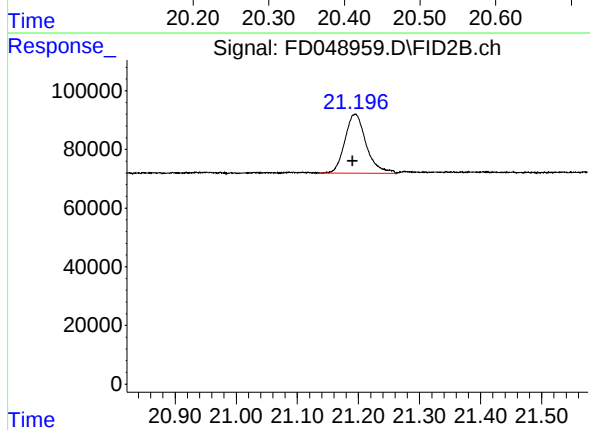
R.T.: 19.716 min
Delta R.T.: 0.000 min
Response: 622331
Conc: 5.37 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.414 min
Delta R.T.: 0.000 min
Response: 536112
Conc: 5.11 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 21.195 min
Delta R.T.: 0.004 min
Response: 486623
Conc: 5.01 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AL\
 Data File : FD048959.D
 Signal(s) : FID2B.ch
 Acq On : 24 Jan 2025 17:17
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.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	3.109	3.077	3.182	BB	90581	796124	81.58%	4.504%
2	4.153	4.116	4.225	BB	82935	807517	82.75%	4.568%
3	5.706	5.672	5.820	BBA	50719	773975	79.31%	4.378%
4	6.144	6.107	6.207	BB	77772	822516	84.29%	4.653%
5	6.760	6.724	6.887	BB	30359	660675	67.70%	3.737%
6	7.925	7.885	8.000	BBA	72985	817393	83.76%	4.624%
7	9.514	9.473	9.583	BB	74110	854999	87.62%	4.837%
8	10.943	10.910	10.999	BB	74646	878881	90.07%	4.972%
9	11.241	11.201	11.324	BB	80008	962625	98.65%	5.445%
10	12.245	12.203	12.301	BB	73843	873103	89.47%	4.939%
11	12.683	12.643	12.750	BBA	59621	729696	74.78%	4.128%
12	12.852	12.810	12.905	BB	71659	865461	88.69%	4.896%
13	13.435	13.390	13.479	BB	69662	864209	88.56%	4.889%
14	14.532	14.487	14.586	BB	68074	871301	89.29%	4.929%
15	15.547	15.502	15.587	BB	68265	858158	87.94%	4.854%
16	16.492	16.446	16.527	BB	66257	887513	90.95%	5.020%
17	17.374	17.324	17.424	BB	70293	975826	100.00%	5.520%
18	18.202	18.150	18.257	BB	66503	947482	97.10%	5.360%
19	18.981	18.929	19.032	BB	57234	785370	80.48%	4.443%
20	19.716	19.666	19.762	BB	41699	622331	63.77%	3.520%
21	20.414	20.367	20.468	BB	36224	536112	54.94%	3.033%
22	21.195	21.136	21.262	BV	20089	486623	49.87%	2.753%
Sum of corrected areas:							17677890	

Aliphatic EPH 012425.M Sat Jan 25 06:10:55 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AL\
 Data File : FD048960.D
 Signal(s) : FID2B.ch
 Acq On : 24 Jan 2025 17:53
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD ICV
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
 Quant Time: Jan 25 05:58:23 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.M
 Quant Title : GC Extractables
 QLast Update : Sat Jan 25 05:57:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.240	3617096	18.732 ug/ml
Spiked Amount 50.000		Recovery =	37.46%
12) S 1-chlorooctadecane (S...	12.682	2744267	18.696 ug/ml
Spiked Amount 50.000		Recovery =	37.39%
Target Compounds			
1) T n-Nonane (C9)	3.107	3024644	18.913 ug/ml
2) T n-Decane (C10)	4.151	3075772	18.863 ug/ml
3) T A~Naphthalene (C11.7)	5.698	3273838	19.157 ug/ml
4) T n-Dodecane (C12)	6.143	3120092	18.839 ug/ml
5) T A~2-methylnaphthalene...	6.744	3110615	19.297 ug/ml
6) T n-Tetradecane (C14)	7.923	3101427	18.760 ug/ml
7) T n-Hexadecane (C16)	9.512	3232715	18.749 ug/ml
8) T n-Octadecane (C18)	10.943	3303846	18.737 ug/ml
10) T n-Eicosane (C20)	12.244	3207234	18.635 ug/ml
11) T n-Heneicosane (C21)	12.852	3175256	18.647 ug/ml
13) T n-Docosane (C22)	13.436	3161587	18.592 ug/ml
14) T n-Tetracosane (C24)	14.532	3146448	18.469 ug/ml
15) T n-Hexacosane (C26)	15.547	3080079	18.389 ug/ml
16) T n-Octacosane (C28)	16.491	2984549	17.941 ug/ml
17) T n-Tricontane (C30)	17.373	2951630	17.195 ug/ml
18) T n-Dotriacontane (C32)	18.202	2777498	16.990 ug/ml
19) T n-Tetratriacontane (C34)	18.980	2392354	17.172 ug/ml
20) T n-Hexatriacontane (C36)	19.717	2030247	17.656 ug/ml
21) T n-Octatriacontane (C38)	20.412	1876840	18.113 ug/ml
22) T n-Tetracontane (C40)	21.188	1721720	17.965 ug/ml

(f)=RT Delta > 1/2 Window

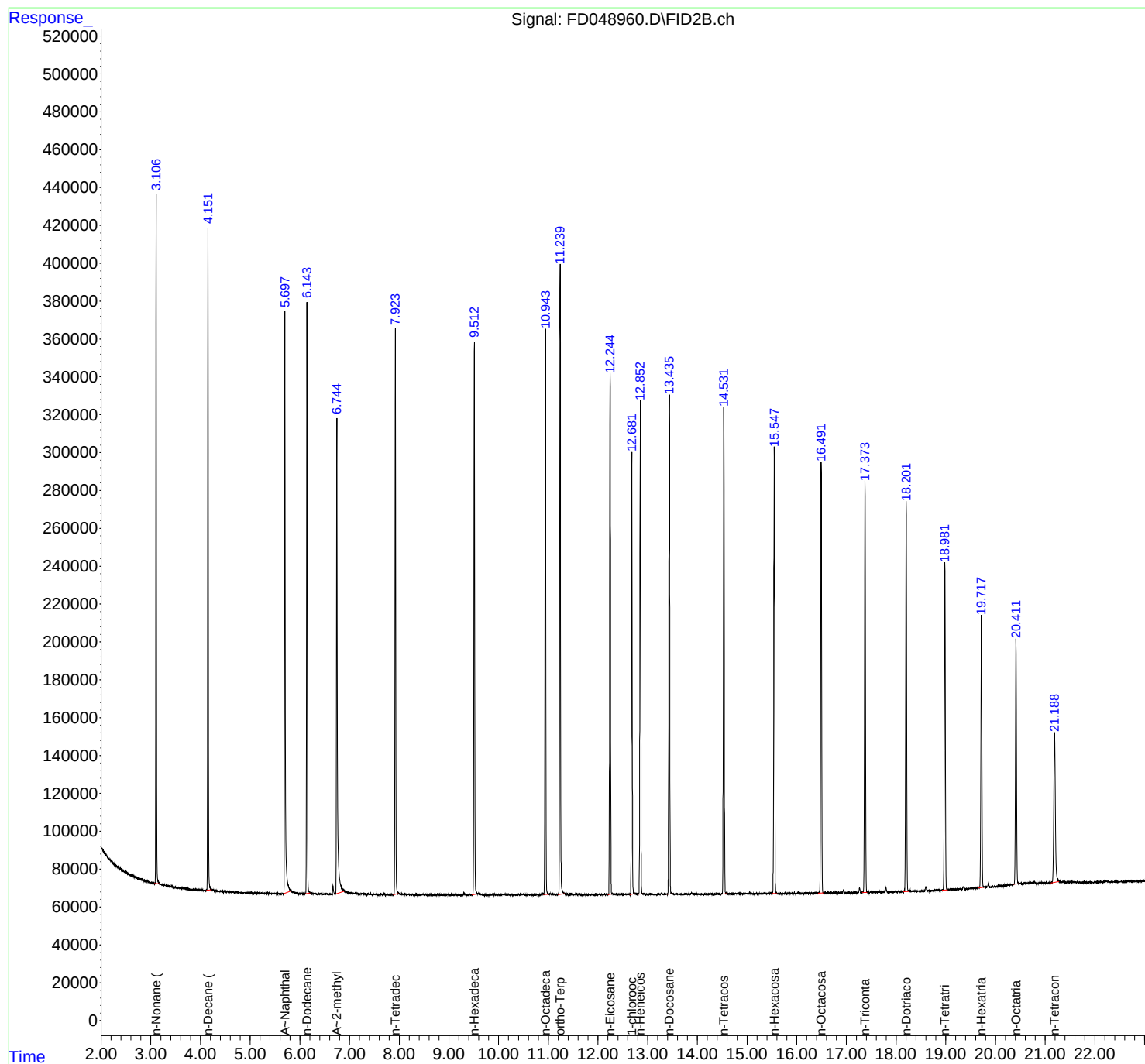
(m)=manual int.

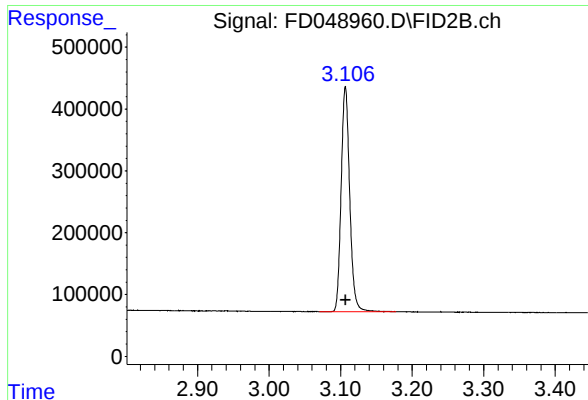
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AL\
Data File : FD048960.D
Signal(s) : FID2B.ch
Acq On : 24 Jan 2025 17:53
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Jan 25 05:58:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 05:57:24 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)

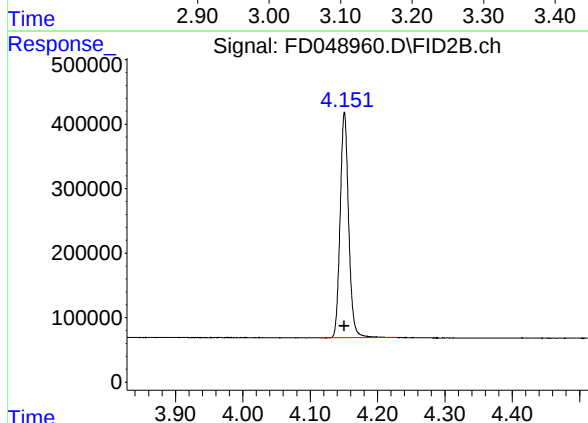
R.T.: 3.107 min
Delta R.T.: 0.000 min
Response: 3024644
Conc: 18.91 ug/ml

Instrument :

FID_D

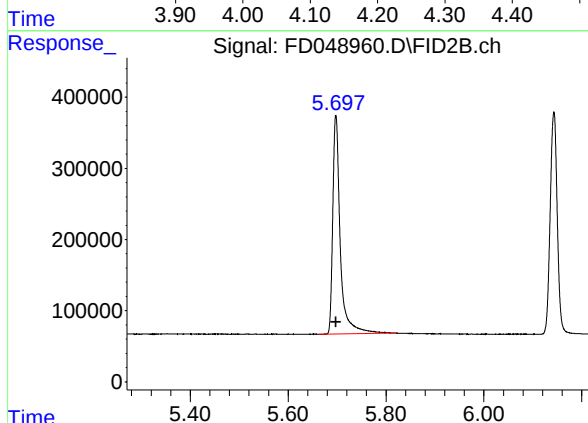
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



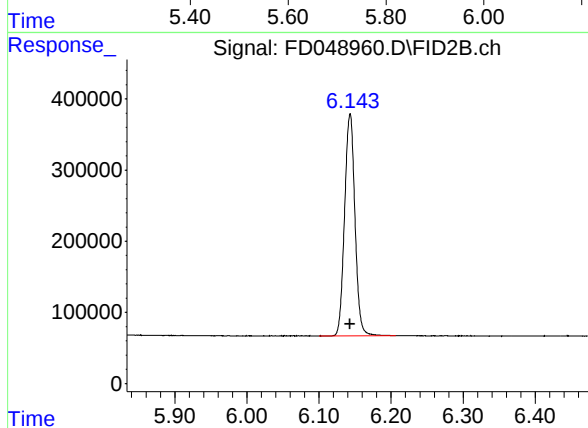
#2 n-Decane (C10)

R.T.: 4.151 min
Delta R.T.: 0.000 min
Response: 3075772
Conc: 18.86 ug/ml



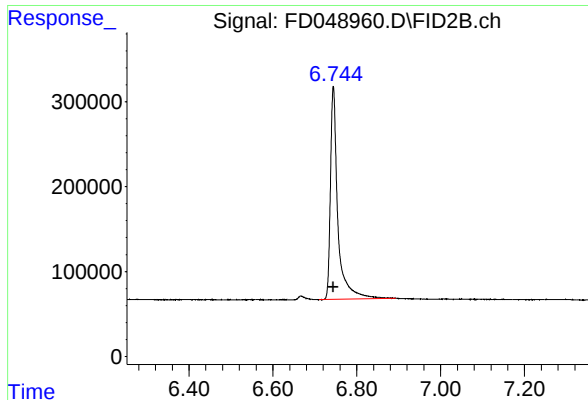
#3 A~Naphthalene (C11.7)

R.T.: 5.698 min
Delta R.T.: 0.000 min
Response: 3273838
Conc: 19.16 ug/ml



#4 n-Dodecane (C12)

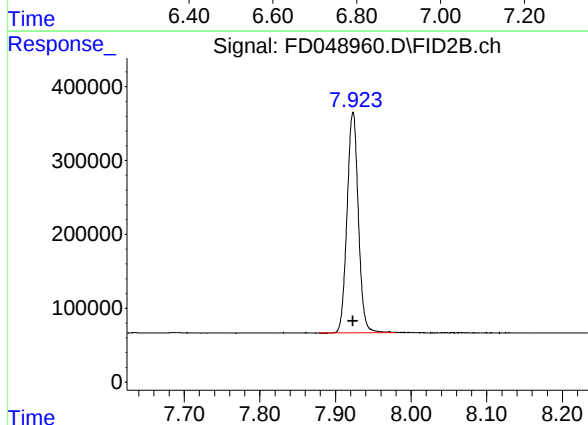
R.T.: 6.143 min
Delta R.T.: 0.000 min
Response: 3120092
Conc: 18.84 ug/ml



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

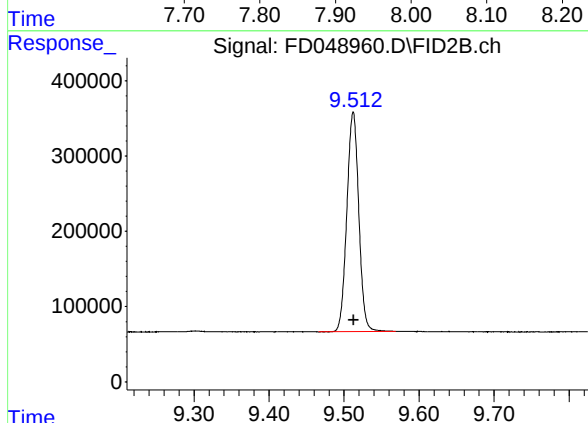
R.T.: 6.744 min
Delta R.T.: 0.000 min
Response: 3110615
Conc: 19.30 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



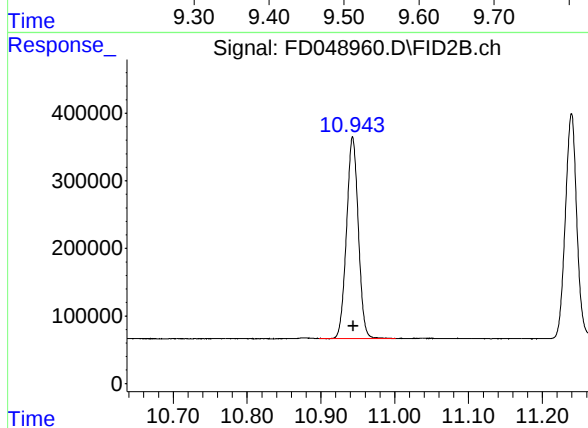
#6 n-Tetradecane (C14)

R.T.: 7.923 min
Delta R.T.: 0.000 min
Response: 3101427
Conc: 18.76 ug/ml



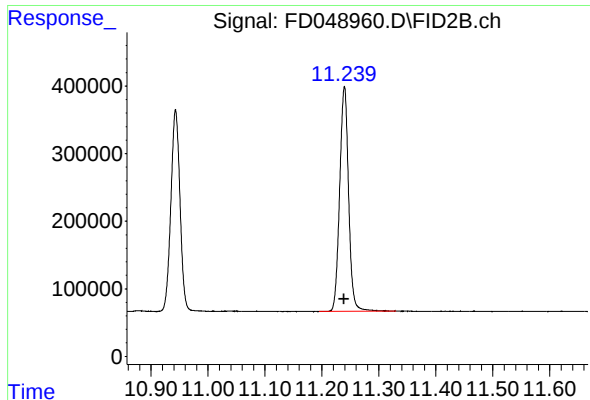
#7 n-Hexadecane (C16)

R.T.: 9.512 min
Delta R.T.: 0.000 min
Response: 3232715
Conc: 18.75 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.943 min
Delta R.T.: -0.001 min
Response: 3303846
Conc: 18.74 ug/ml



#9 ortho-Terphenyl (SURR)

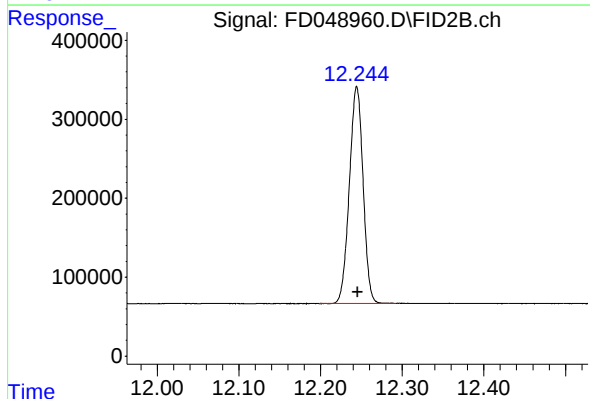
R.T.: 11.240 min
Delta R.T.: 0.000 min
Response: 3617096
Conc: 18.73 ug/ml

Instrument :

FID_D

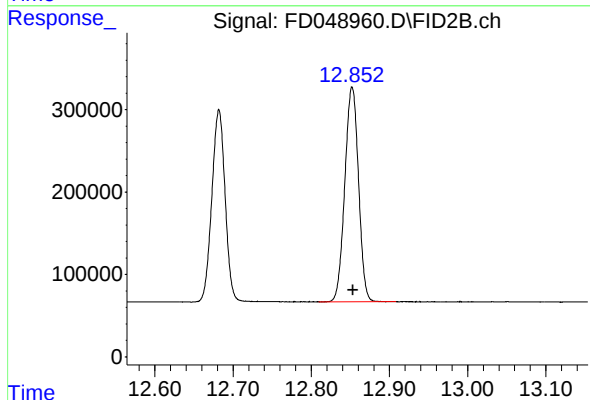
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



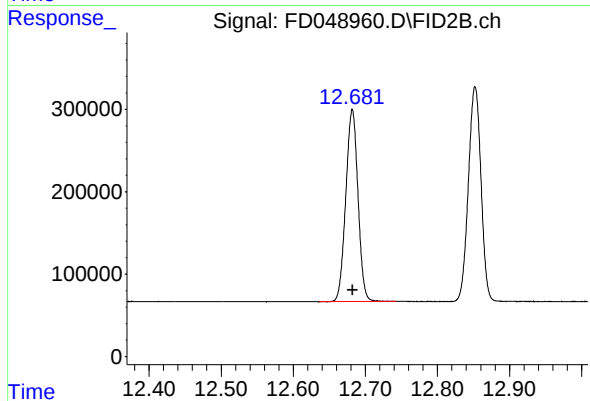
#10 n-Eicosane (C20)

R.T.: 12.244 min
Delta R.T.: 0.000 min
Response: 3207234
Conc: 18.64 ug/ml



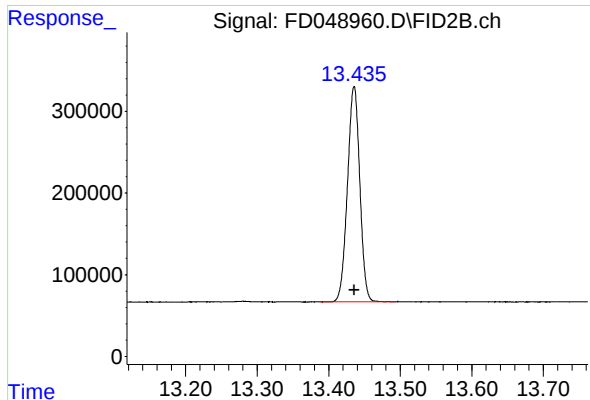
#11 n-Heneicosane (C21)

R.T.: 12.852 min
Delta R.T.: -0.001 min
Response: 3175256
Conc: 18.65 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.682 min
Delta R.T.: 0.000 min
Response: 2744267
Conc: 18.70 ug/ml



#13 n-Docosane (C22)

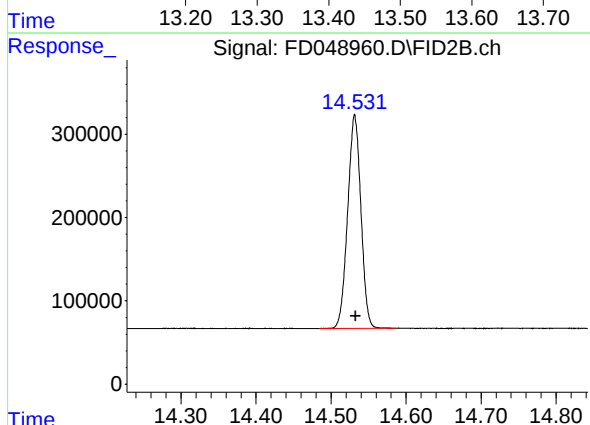
R.T.: 13.436 min
Delta R.T.: 0.000 min
Response: 3161587
Conc: 18.59 ug/ml

Instrument :

FID_D

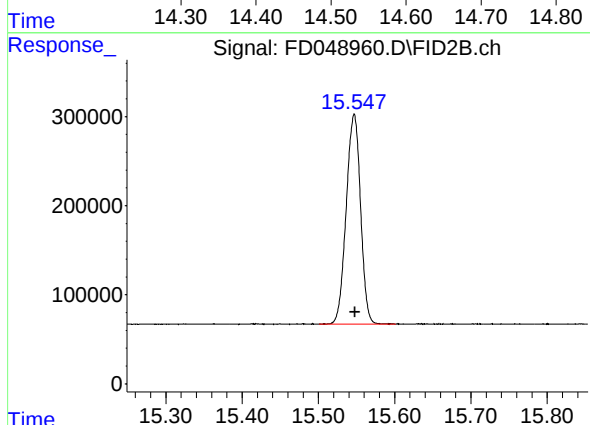
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



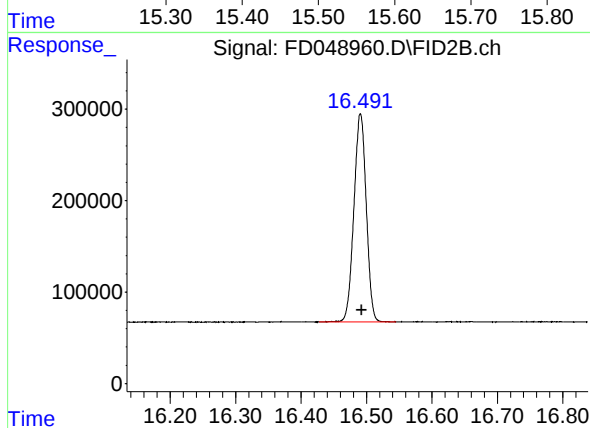
#14 n-Tetracosane (C24)

R.T.: 14.532 min
Delta R.T.: -0.001 min
Response: 3146448
Conc: 18.47 ug/ml



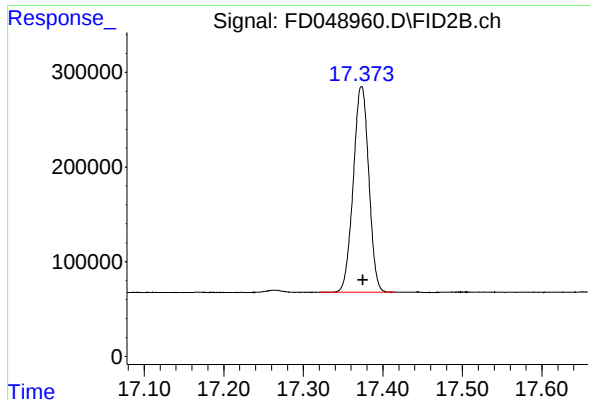
#15 n-Hexacosane (C26)

R.T.: 15.547 min
Delta R.T.: 0.000 min
Response: 3080079
Conc: 18.39 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.491 min
Delta R.T.: -0.002 min
Response: 2984549
Conc: 17.94 ug/ml



#17 n-Tricontane (C30)

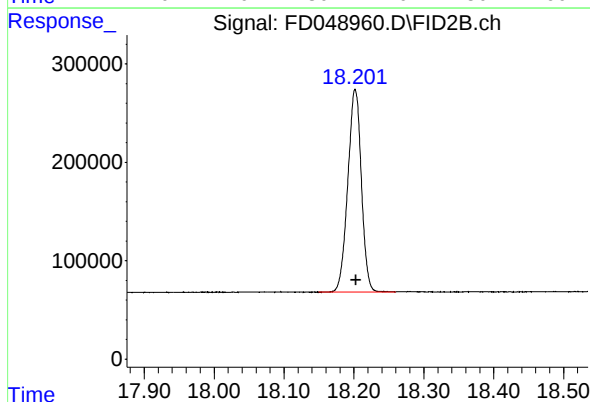
R.T.: 17.373 min
Delta R.T.: -0.002 min
Response: 2951630
Conc: 17.20 ug/ml

Instrument :

FID_D

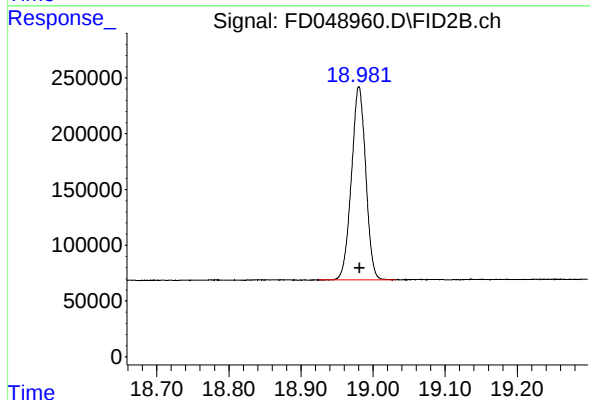
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



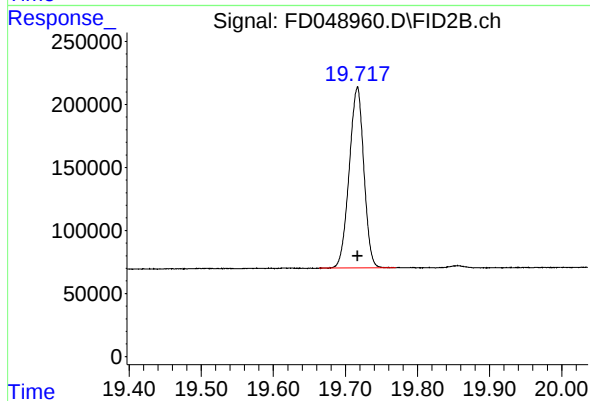
#18 n-Dotriacontane (C32)

R.T.: 18.202 min
Delta R.T.: -0.001 min
Response: 2777498
Conc: 16.99 ug/ml



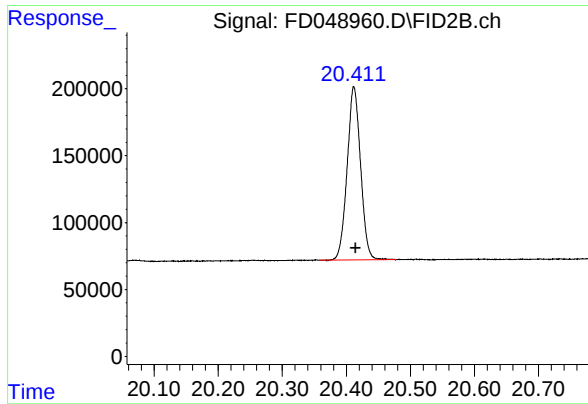
#19 n-Tetatriacontane (C34)

R.T.: 18.980 min
Delta R.T.: -0.001 min
Response: 2392354
Conc: 17.17 ug/ml



#20 n-Hexatriacontane (C36)

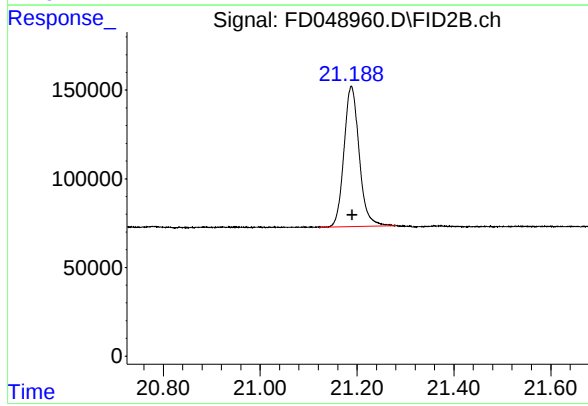
R.T.: 19.717 min
Delta R.T.: 0.000 min
Response: 2030247
Conc: 17.66 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.412 min
Delta R.T.: -0.003 min
Response: 1876840
Conc: 18.11 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 21.188 min
Delta R.T.: -0.002 min
Response: 1721720
Conc: 17.96 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AL\
 Data File : FD048960.D
 Signal(s) : FID2B.ch
 Acq On : 24 Jan 2025 17:53
 Sample : 20 PPM ALIPHATIC HC STD ICV
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.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	3.107	3.070	3.177	BB	364002	3024644	83.62%	4.718%
2	4.151	4.113	4.227	BB	349455	3075772	85.03%	4.798%
3	5.698	5.663	5.820	BBA	307235	3273838	90.51%	5.107%
4	6.143	6.100	6.207	BB	312330	3120092	86.26%	4.867%
5	6.744	6.710	6.893	BB	250974	3110615	86.00%	4.852%
6	7.923	7.878	7.980	BB	298815	3101427	85.74%	4.838%
7	9.512	9.467	9.569	BB	291964	3232715	89.37%	5.042%
8	10.943	10.897	11.002	BB	298500	3303846	91.34%	5.153%
9	11.240	11.195	11.330	BB	332712	3617096	100.00%	5.642%
10	12.244	12.198	12.292	BB	274939	3207234	88.67%	5.003%
11	12.682	12.636	12.742	BB	233545	2744267	75.87%	4.281%
12	12.852	12.810	12.908	BB	260510	3175256	87.78%	4.953%
13	13.436	13.387	13.494	BB	263841	3161587	87.41%	4.932%
14	14.532	14.484	14.587	BB	257104	3146448	86.99%	4.908%
15	15.547	15.501	15.602	BB	236073	3080079	85.15%	4.804%
16	16.491	16.427	16.545	BB	227675	2984549	82.51%	4.655%
17	17.373	17.320	17.417	BB	217336	2951630	81.60%	4.604%
18	18.202	18.150	18.260	BB	206086	2777498	76.79%	4.332%
19	18.980	18.925	19.032	BB	173015	2392354	66.14%	3.732%
20	19.717	19.663	19.770	BB	143508	2030247	56.13%	3.167%
21	20.412	20.357	20.477	BB	129527	1876840	51.89%	2.928%
22	21.188	21.122	21.280	BBA	79161	1721720	47.60%	2.686%
Sum of corrected areas:							64109754	

Aliphatic EPH 012425.M Sat Jan 25 06:11:25 2025

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	31 Jan 2025 12:15
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049023.D	Misc:	
Instrument:	FID_D	ALS Vial:	100
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.006	6.243	10614555.000	60.000	ug/ml
Aliphatic C12-C16	6.244	9.612	7409517.000	40.000	ug/ml
Aliphatic C16-C21	9.613	12.953	11353028.000	60.000	ug/ml
Aliphatic C21-C28	12.954	16.592	14493384.000	80.000	ug/ml
Aliphatic C28-C40	16.593	21.288	16321827.000	120.000	ug/ml
Aliphatic EPH	3.006	21.288	60192311.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD013125AL\
 Data File : FD049023.D
 Signal(s) : FID2B.ch
 Acq On : 31 Jan 2025 12:15
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
 Quant Time: Feb 01 03:45:31 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.M
 Quant Title : GC Extractables
 QLast Update : Sat Jan 25 05:57:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.240	4227334	21.893 ug/ml
Spiked Amount 50.000		Recovery =	43.79%
12) S 1-chlorooctadecane (S...	12.682	3222309	21.953 ug/ml
Spiked Amount 50.000		Recovery =	43.91%
Target Compounds			
1) T n-Nonane (C9)	3.107	3450706	21.577 ug/ml
2) T n-Decane (C10)	4.151	3538306	21.700 ug/ml
3) T A~Naphthalene (C11.7)	5.697	3741823	21.896 ug/ml
4) T n-Dodecane (C12)	6.142	3625543	21.891 ug/ml
5) T A~2-methylnaphthalene...	6.744	3641753	22.592 ug/ml
6) T n-Tetradecane (C14)	7.923	3619134	21.892 ug/ml
7) T n-Hexadecane (C16)	9.512	3790383	21.983 ug/ml
8) T n-Octadecane (C18)	10.944	3874354	21.973 ug/ml
10) T n-Eicosane (C20)	12.244	3764172	21.871 ug/ml
11) T n-Heneicosane (C21)	12.852	3714502	21.814 ug/ml
13) T n-Docosane (C22)	13.436	3706827	21.799 ug/ml
14) T n-Tetracosane (C24)	14.533	3679356	21.597 ug/ml
15) T n-Hexacosane (C26)	15.548	3603812	21.516 ug/ml
16) T n-Octacosane (C28)	16.493	3503389	21.060 ug/ml
17) T n-Tricontane (C30)	17.374	3529342	20.561 ug/ml
18) T n-Dotriacontane (C32)	18.203	3342428	20.445 ug/ml
19) T n-Tetratriacontane (C34)	18.981	2866609	20.576 ug/ml
20) T n-Hexatriacontane (C36)	19.718	2411424	20.971 ug/ml
21) T n-Octatriacontane (C38)	20.415	2204676	21.277 ug/ml
22) T n-Tetracontane (C40)	21.191	1967348	20.528 ug/ml

(f)=RT Delta > 1/2 Window

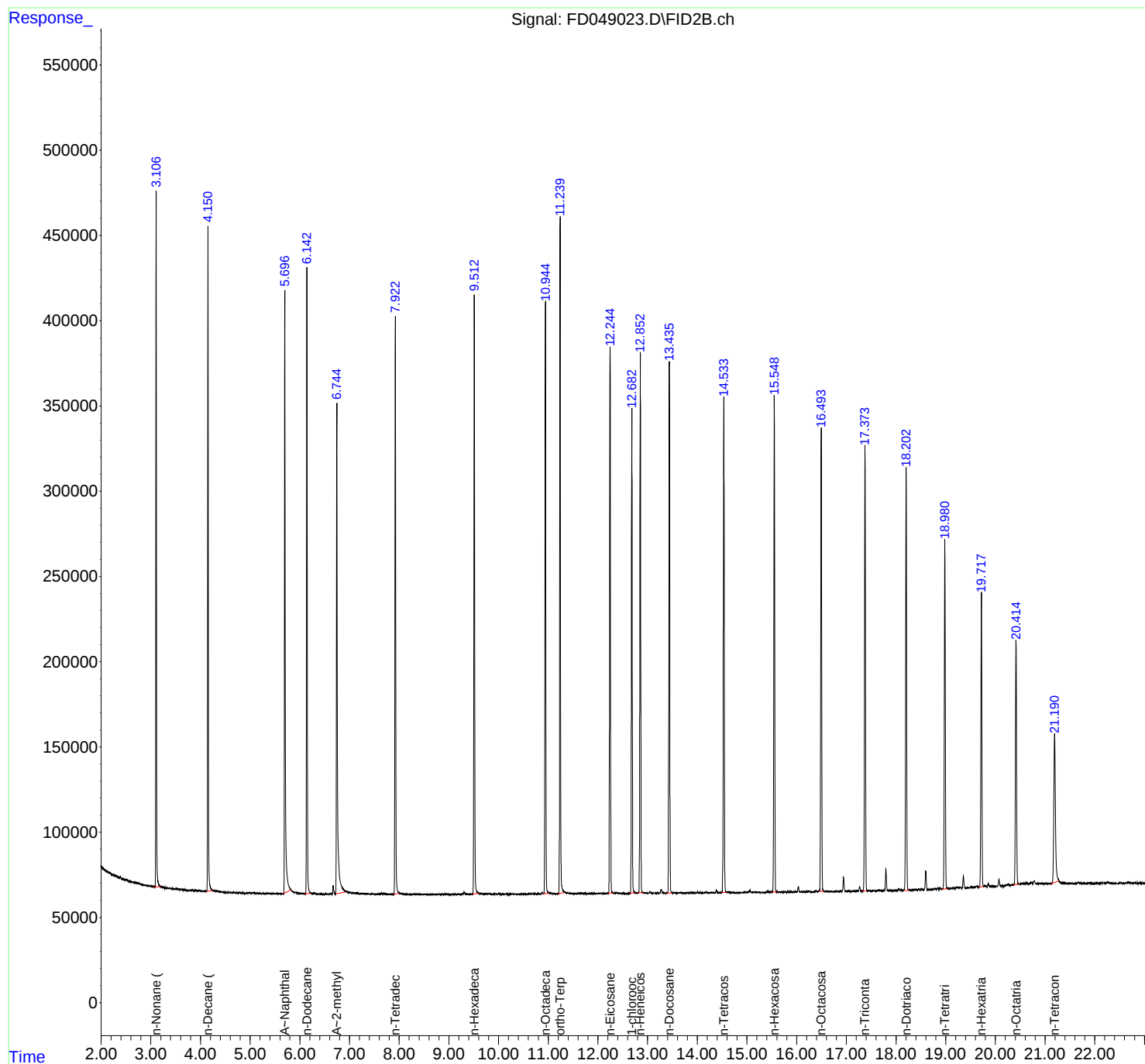
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD013125AL\
Data File : FD049023.D
Signal(s) : FID2B.ch
Acq On : 31 Jan 2025 12:15
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 100 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Feb 01 03:45:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 05:57:24 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_D\Data\FD013125AL\
 Data File : FD049023.D
 Signal(s) : FID2B.ch
 Acq On : 31 Jan 2025 12:15
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 100 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.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	3.107	3.050	3.200	BBA	407988	3450706	81.63%	4.599%
2	4.151	4.113	4.245	BB	389751	3538306	83.70%	4.716%
3	5.697	5.663	5.820	BBA	352401	3741823	88.51%	4.987%
4	6.142	6.100	6.218	BB	366565	3625543	85.76%	4.832%
5	6.744	6.717	6.926	BB	287475	3641753	86.15%	4.854%
6	7.923	7.882	8.000	BBA	338538	3619134	85.61%	4.824%
7	9.513	9.472	9.600	BBA	351328	3790383	89.66%	5.052%
8	10.944	10.904	11.014	BB	347046	3874354	91.65%	5.164%
9	11.240	11.200	11.326	BB	397054	4227334	100.00%	5.635%
10	12.244	12.198	12.312	BB	321102	3764172	89.04%	5.017%
11	12.682	12.640	12.750	BBA	284213	3222309	76.23%	4.295%
12	12.852	12.803	12.912	BB	316850	3714502	87.87%	4.951%
13	13.436	13.388	13.490	BB	311898	3706827	87.69%	4.941%
14	14.533	14.483	14.586	BB	290839	3679356	87.04%	4.904%
15	15.548	15.497	15.600	BB	291127	3603812	85.25%	4.803%
16	16.493	16.440	16.552	BB	272171	3503389	82.87%	4.670%
17	17.374	17.322	17.417	BB	260958	3529342	83.49%	4.704%
18	18.203	18.150	18.262	BB	247306	3342428	79.07%	4.455%
19	18.981	18.930	19.042	BB	204798	2866609	67.81%	3.821%
20	19.718	19.664	19.760	BV	172874	2411424	57.04%	3.214%
21	20.415	20.359	20.472	BB	143370	2204676	52.15%	2.939%
22	21.191	21.127	21.280	BBA	86975	1967348	46.54%	2.622%
Sum of corrected areas:							75025530	

Aliphatic EPH 012425.M Sat Feb 01 04:52:03 2025

Continuing Calibration Report for SequenceID : FD013125AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FD049035.D

Aliphatic C9-C12	10200366.000	60.000	3.006	6.243	170006.100	162866.213	-4.384
Aliphatic C12-C16	7108969.000	40.000	6.244	9.612	177724.225	168872.221	-5.242
Aliphatic C16-C21	10782546.000	60.000	9.613	12.953	179709.100	172902.817	-3.936
Aliphatic C21-C28	13821355.000	80.000	12.954	16.592	172766.938	168565.180	-2.493
Aliphatic C28-C40	16117521.000	120.000	16.593	21.288	134312.675	131483.064	-2.152
Aliphatic EPH	58030757.000	360.000	3.006	21.288	161196.547	156011.702	-3.323

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	31 Jan 2025 22:49
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049035.D	Misc:	
Instrument:	FID_D	ALS Vial:	100
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.006	6.243	10200366.000	60.000	ug/ml
Aliphatic C12-C16	6.244	9.612	7108969.000	40.000	ug/ml
Aliphatic C16-C21	9.613	12.953	10782546.000	60.000	ug/ml
Aliphatic C21-C28	12.954	16.592	13821355.000	80.000	ug/ml
Aliphatic C28-C40	16.593	21.288	16117521.000	120.000	ug/ml
Aliphatic EPH	3.006	21.288	58030757.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD013125AL\
 Data File : FD049035.D
 Signal(s) : FID2B.ch
 Acq On : 31 Jan 2025 22:49
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
 Quant Time: Feb 01 03:50:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.M
 Quant Title : GC Extractables
 QLast Update : Sat Jan 25 05:57:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.240	4030687	20.874 ug/ml
Spiked Amount 50.000		Recovery =	41.75%
12) S 1-chlorooctadecane (S...	12.682	3096528	21.096 ug/ml
Spiked Amount 50.000		Recovery =	42.19%
Target Compounds			
1) T n-Nonane (C9)	3.105	3320877	20.765 ug/ml
2) T n-Decane (C10)	4.150	3406501	20.892 ug/ml
3) T A~Naphthalene (C11.7)	5.696	3688843	21.586 ug/ml
4) T n-Dodecane (C12)	6.142	3472988	20.970 ug/ml
5) T A~2-methylnaphthalene...	6.743	3556072	22.061 ug/ml
6) T n-Tetradecane (C14)	7.923	3484857	21.079 ug/ml
7) T n-Hexadecane (C16)	9.512	3624112	21.019 ug/ml
8) T n-Octadecane (C18)	10.944	3688284	20.918 ug/ml
10) T n-Eicosane (C20)	12.245	3570893	20.748 ug/ml
11) T n-Heneicosane (C21)	12.853	3523369	20.692 ug/ml
13) T n-Docosane (C22)	13.436	3514484	20.668 ug/ml
14) T n-Tetracosane (C24)	14.532	3501661	20.554 ug/ml
15) T n-Hexacosane (C26)	15.549	3434392	20.504 ug/ml
16) T n-Octacosane (C28)	16.493	3370818	20.263 ug/ml
17) T n-Tricontane (C30)	17.376	3428961	19.976 ug/ml
18) T n-Dotriacontane (C32)	18.205	3255847	19.916 ug/ml
19) T n-Tetratriacontane (C34)	18.984	2800158	20.099 ug/ml
20) T n-Hexatriacontane (C36)	19.718	2359762	20.522 ug/ml
21) T n-Octatriacontane (C38)	20.415	2186912	21.105 ug/ml
22) T n-Tetracontane (C40)	21.191	2085881	21.764 ug/ml

(f)=RT Delta > 1/2 Window

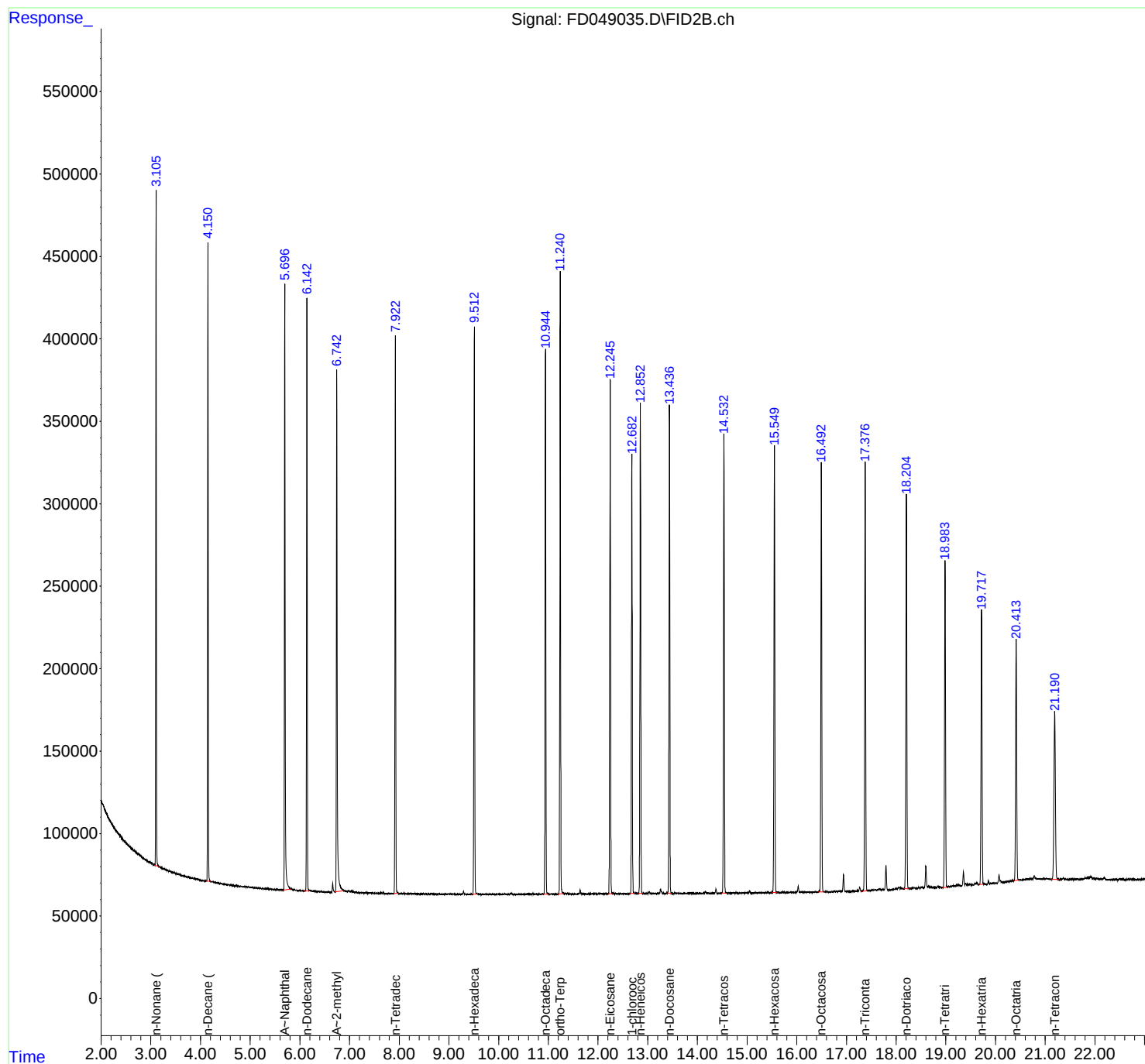
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD013125AL\
Data File : FD049035.D
Signal(s) : FID2B.ch
Acq On : 31 Jan 2025 22:49
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 100 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Feb 01 03:50:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 05:57:24 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_D\Data\FD013125AL\
Data File : FD049035.D
Signal(s) : FID2B.ch
Acq On : 31 Jan 2025 22:49
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 100 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.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	3.105	3.070	3.169	BB	409299	3320877	82.39%	4.587%
2	4.150	4.113	4.207	BB	387423	3406501	84.51%	4.705%
3	5.696	5.662	5.820	BBA	366322	3688843	91.52%	5.095%
4	6.142	6.080	6.193	BB	359547	3472988	86.16%	4.797%
5	6.743	6.702	6.880	BB	316304	3556072	88.22%	4.912%
6	7.923	7.883	7.981	BB	338171	3484857	86.46%	4.813%
7	9.512	9.466	9.568	BB	343820	3624112	89.91%	5.005%
8	10.944	10.900	11.000	BB	330686	3688284	91.51%	5.094%
9	11.240	11.200	11.307	BB	377239	4030687	100.00%	5.567%
10	12.245	12.196	12.288	BB	311742	3570893	88.59%	4.932%
11	12.682	12.638	12.732	BB	266825	3096528	76.82%	4.277%
12	12.853	12.803	12.900	BB	296810	3523369	87.41%	4.866%
13	13.436	13.392	13.483	BB	296379	3514484	87.19%	4.854%
14	14.532	14.486	14.572	BB	278169	3501661	86.88%	4.836%
15	15.549	15.502	15.601	BB	271127	3434392	85.21%	4.743%
16	16.493	16.434	16.547	BB	260426	3370818	83.63%	4.656%
17	17.376	17.291	17.417	PB	259777	3428961	85.07%	4.736%
18	18.205	18.150	18.262	BB	239229	3255847	80.78%	4.497%
19	18.984	18.929	19.041	BB	198278	2800158	69.47%	3.867%
20	19.718	19.662	19.758	BB	166709	2359762	58.54%	3.259%
21	20.415	20.361	20.473	BB	144775	2186912	54.26%	3.020%
22	21.191	21.124	21.273	BB	101965	2085881	51.75%	2.881%
Sum of corrected areas:							72402886	

Aliphatic EPH 012425.M Sat Feb 01 04:55:15 2025

Continuing Calibration Report for SequenceID : FD020325AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FD049038.D

Aliphatic C9-C12	9798435.000	60.000	3.004	6.241	163307.250	162866.213	-0.271
Aliphatic C12-C16	6867752.000	40.000	6.242	9.610	171693.800	168872.221	-1.671
Aliphatic C16-C21	10471077.000	60.000	9.611	12.951	174517.950	172902.817	-0.934
Aliphatic C21-C28	13437689.000	80.000	12.952	16.589	167971.113	168565.180	0.352
Aliphatic C28-C40	15654279.000	120.000	16.590	21.285	130452.325	131483.064	0.784
Aliphatic EPH	56229232.000	360.000	3.004	21.285	156192.311	156011.702	-0.116

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	03 Feb 2025 10:44
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049038.D	Misc:	
Instrument:	FID_D	ALS Vial:	100
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.004	6.241	9798435.000	60.000	ug/ml
Aliphatic C12-C16	6.242	9.610	6867752.000	40.000	ug/ml
Aliphatic C16-C21	9.611	12.951	10471077.000	60.000	ug/ml
Aliphatic C21-C28	12.952	16.589	13437689.000	80.000	ug/ml
Aliphatic C28-C40	16.590	21.285	15654279.000	120.000	ug/ml
Aliphatic EPH	3.004	21.285	56229232.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD020325AL\
 Data File : FD049038.D
 Signal(s) : FID2B.ch
 Acq On : 03 Feb 2025 10:44
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
 Quant Time: Feb 04 01:13:46 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.M
 Quant Title : GC Extractables
 QLast Update : Sat Jan 25 05:57:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.237	3903487	20.215 ug/ml
Spiked Amount 50.000		Recovery =	40.43%
12) S 1-chlorooctadecane (S...	12.680	2961952	20.179 ug/ml
Spiked Amount 50.000		Recovery =	40.36%
Target Compounds			
1) T n-Nonane (C9)	3.104	3163059	19.779 ug/ml
2) T n-Decane (C10)	4.148	3280502	20.119 ug/ml
3) T A~Naphthalene (C11.7)	5.695	3516556	20.578 ug/ml
4) T n-Dodecane (C12)	6.141	3354874	20.256 ug/ml
5) T A~2-methylnaphthalene...	6.741	3373501	20.928 ug/ml
6) T n-Tetradecane (C14)	7.921	3352995	20.282 ug/ml
7) T n-Hexadecane (C16)	9.510	3514757	20.384 ug/ml
8) T n-Octadecane (C18)	10.942	3576551	20.284 ug/ml
10) T n-Eicosane (C20)	12.243	3470330	20.164 ug/ml
11) T n-Heneicosane (C21)	12.851	3424196	20.109 ug/ml
13) T n-Docosane (C22)	13.433	3418814	20.105 ug/ml
14) T n-Tetracosane (C24)	14.529	3389605	19.896 ug/ml
15) T n-Hexacosane (C26)	15.545	3337022	19.923 ug/ml
16) T n-Octacosane (C28)	16.489	3292248	19.791 ug/ml
17) T n-Tricontane (C30)	17.372	3363448	19.594 ug/ml
18) T n-Dotriacontane (C32)	18.199	3194446	19.540 ug/ml
19) T n-Tetratriacontane (C34)	18.979	2744586	19.700 ug/ml
20) T n-Hexatriacontane (C36)	19.714	2297588	19.981 ug/ml
21) T n-Octatriacontane (C38)	20.411	2096165	20.229 ug/ml
22) T n-Tetracontane (C40)	21.185	1958046	20.431 ug/ml

(f)=RT Delta > 1/2 Window

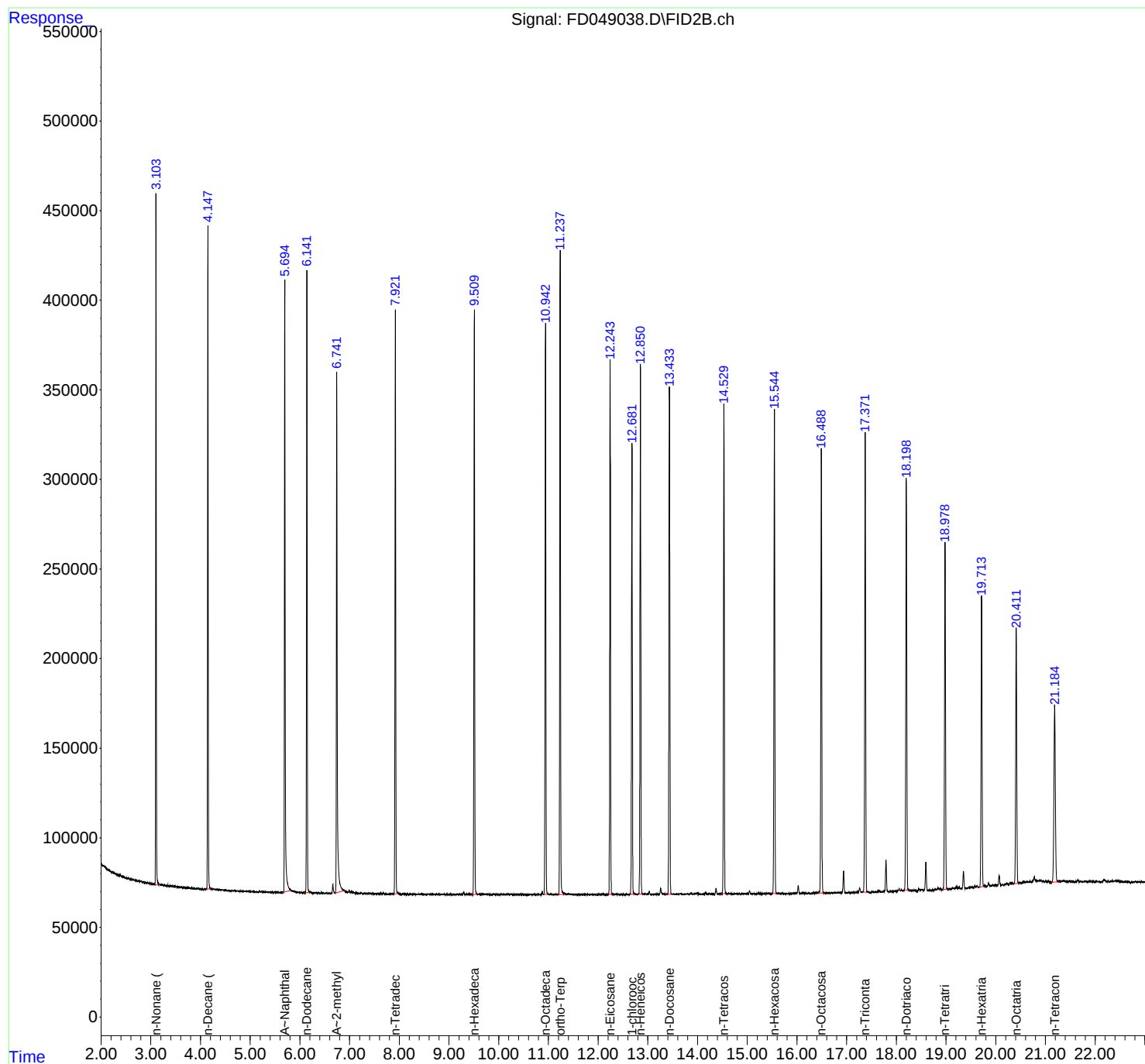
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD020325AL\
Data File : FD049038.D
Signal(s) : FID2B.ch
Acq On : 03 Feb 2025 10:44
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 100 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Feb 04 01:13:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 05:57:24 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_D\Data\FD020325AL\
 Data File : FD049038.D
 Signal(s) : FID2B.ch
 Acq On : 03 Feb 2025 10:44
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 100 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.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	3.104	3.070	3.171	BB	385578	3163059	81.03%	4.520%
2	4.148	4.113	4.209	BB	370018	3280502	84.04%	4.687%
3	5.695	5.659	5.820	BBA	340987	3516556	90.09%	5.025%
4	6.141	6.086	6.193	BB	347222	3354874	85.95%	4.794%
5	6.741	6.703	6.881	BB	290521	3373501	86.42%	4.820%
6	7.921	7.881	7.968	BB	325667	3352995	85.90%	4.791%
7	9.510	9.467	9.580	BB	324837	3514757	90.04%	5.022%
8	10.942	10.900	11.000	BB	318649	3576551	91.62%	5.110%
9	11.237	11.194	11.317	BB	359151	3903487	100.00%	5.578%
10	12.243	12.196	12.296	BB	298671	3470330	88.90%	4.959%
11	12.680	12.637	12.732	BB	251531	2961952	75.88%	4.232%
12	12.851	12.803	12.891	BB	295589	3424196	87.72%	4.893%
13	13.433	13.367	13.480	BB	283272	3418814	87.58%	4.885%
14	14.529	14.480	14.578	BB	273361	3389605	86.84%	4.843%
15	15.545	15.493	15.589	BB	270449	3337022	85.49%	4.768%
16	16.489	16.422	16.538	BB	247784	3292248	84.34%	4.704%
17	17.372	17.316	17.430	BB	256612	3363448	86.17%	4.806%
18	18.199	18.142	18.254	BB	229092	3194446	81.84%	4.564%
19	18.979	18.918	19.040	BB	193652	2744586	70.31%	3.922%
20	19.714	19.661	19.754	BB	162011	2297588	58.86%	3.283%
21	20.411	20.351	20.464	BB	142618	2096165	53.70%	2.995%
22	21.185	21.116	21.268	BB	98942	1958046	50.16%	2.798%
Sum of corrected areas:							69984728	

Aliphatic EPH 012425.M Tue Feb 04 01:39:19 2025

Continuing Calibration Report for SequenceID : FD020325AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FD049044.D

Aliphatic C9-C12	9880436.000	60.000	3.004	6.241	164673.933	162866.213	-1.110
Aliphatic C12-C16	6957825.000	40.000	6.242	9.610	173945.625	168872.221	-3.004
Aliphatic C16-C21	10585723.000	60.000	9.611	12.951	176428.717	172902.817	-2.039
Aliphatic C21-C28	13584635.000	80.000	12.952	16.589	169807.938	168565.180	-0.737
Aliphatic C28-C40	16050182.000	120.000	16.590	21.285	133751.517	131483.064	-1.725
Aliphatic EPH	57058801.000	360.000	3.004	21.285	158496.669	156011.702	-1.593

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	03 Feb 2025 14:24
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049044.D	Misc:	
Instrument:	FID_D	ALS Vial:	100
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.004	6.241	9880436.000	60.000	ug/ml
Aliphatic C12-C16	6.242	9.610	6957825.000	40.000	ug/ml
Aliphatic C16-C21	9.611	12.951	10585723.000	60.000	ug/ml
Aliphatic C21-C28	12.952	16.589	13584635.000	80.000	ug/ml
Aliphatic C28-C40	16.590	21.285	16050182.000	120.000	ug/ml
Aliphatic EPH	3.004	21.285	57058801.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD020325AL\
 Data File : FD049044.D
 Signal(s) : FID2B.ch
 Acq On : 03 Feb 2025 14:24
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
 Quant Time: Feb 04 01:15:46 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.M
 Quant Title : GC Extractables
 QLast Update : Sat Jan 25 05:57:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.239	3948222	20.447 ug/ml
Spiked Amount 50.000		Recovery =	40.89%
12) S 1-chlorooctadecane (S...	12.681	3039729	20.709 ug/ml
Spiked Amount 50.000		Recovery =	41.42%
Target Compounds			
1) T n-Nonane (C9)	3.105	3182710	19.901 ug/ml
2) T n-Decane (C10)	4.149	3310512	20.303 ug/ml
3) T A~Naphthalene (C11.7)	5.696	3579370	20.945 ug/ml
4) T n-Dodecane (C12)	6.141	3387214	20.452 ug/ml
5) T A~2-methylnaphthalene...	6.742	3471129	21.534 ug/ml
6) T n-Tetradecane (C14)	7.921	3402483	20.581 ug/ml
7) T n-Hexadecane (C16)	9.510	3555342	20.620 ug/ml
8) T n-Octadecane (C18)	10.943	3617533	20.517 ug/ml
10) T n-Eicosane (C20)	12.243	3508410	20.385 ug/ml
11) T n-Heneicosane (C21)	12.852	3459780	20.318 ug/ml
13) T n-Docosane (C22)	13.435	3457841	20.335 ug/ml
14) T n-Tetracosane (C24)	14.530	3441312	20.200 ug/ml
15) T n-Hexacosane (C26)	15.546	3368841	20.113 ug/ml
16) T n-Octacosane (C28)	16.490	3316641	19.937 ug/ml
17) T n-Tricontane (C30)	17.373	3407072	19.849 ug/ml
18) T n-Dotriacontane (C32)	18.201	3250869	19.885 ug/ml
19) T n-Tetratriacontane (C34)	18.981	2799490	20.094 ug/ml
20) T n-Hexatriacontane (C36)	19.715	2354824	20.479 ug/ml
21) T n-Octatriacontane (C38)	20.413	2176627	21.006 ug/ml
22) T n-Tetracontane (C40)	21.185	2061300	21.508 ug/ml

(f)=RT Delta > 1/2 Window

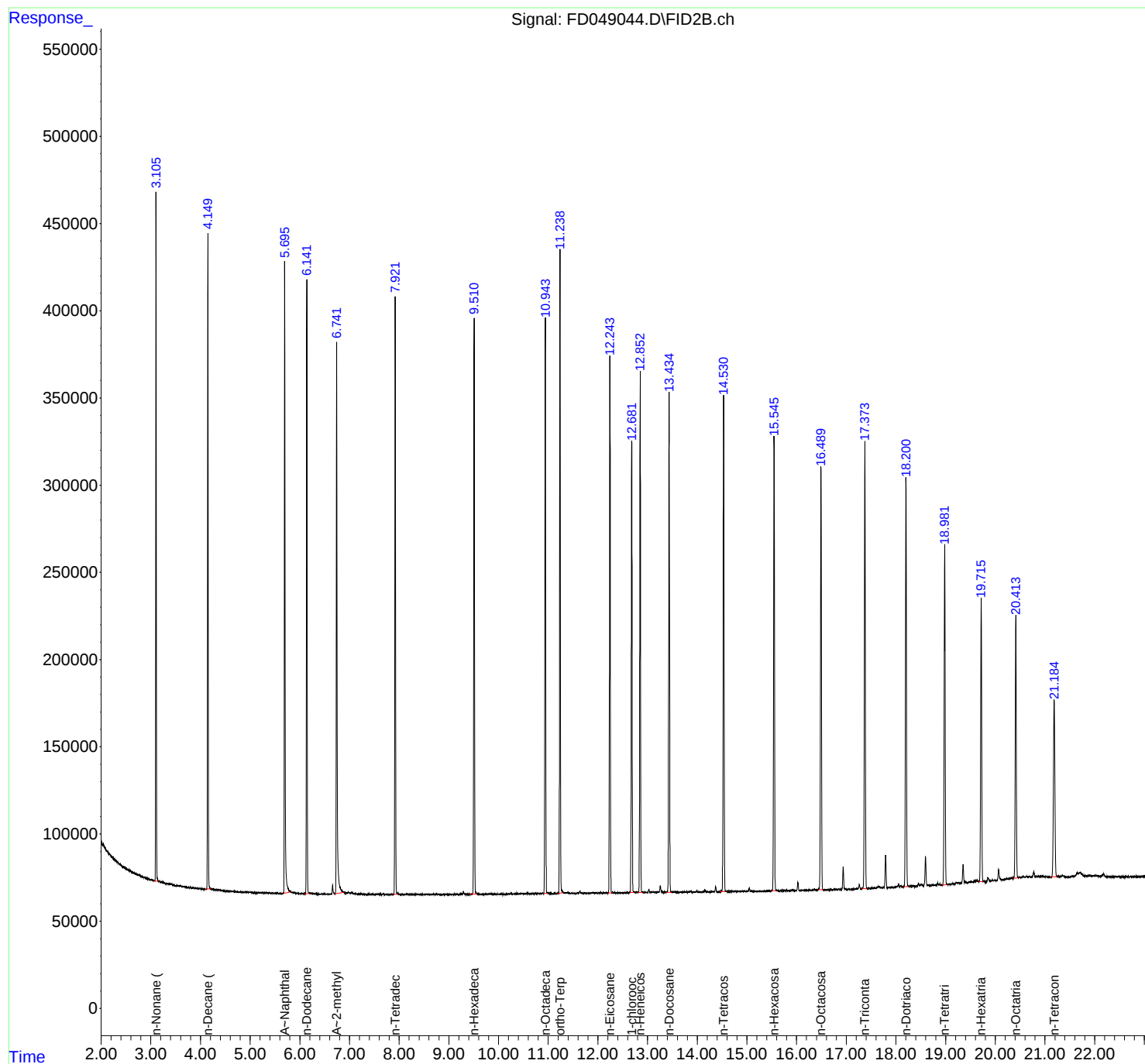
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD020325AL\
Data File : FD049044.D
Signal(s) : FID2B.ch
Acq On : 03 Feb 2025 14:24
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 100 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Feb 04 01:15:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 05:57:24 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_D\Data\FD020325AL\
 Data File : FD049044.D
 Signal(s) : FID2B.ch
 Acq On : 03 Feb 2025 14:24
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 100 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.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	3.105	3.070	3.164	BB	394866	3182710	80.61%	4.477%
2	4.149	4.113	4.205	BB	375485	3310512	83.85%	4.656%
3	5.696	5.662	5.820	BBA	361566	3579370	90.66%	5.034%
4	6.141	6.100	6.197	BB	351898	3387214	85.79%	4.764%
5	6.742	6.698	6.880	BB	316100	3471129	87.92%	4.882%
6	7.921	7.879	7.971	BB	342649	3402483	86.18%	4.786%
7	9.510	9.422	9.570	BB	330466	3555342	90.05%	5.001%
8	10.943	10.906	10.991	BB	330175	3617533	91.62%	5.088%
9	11.239	11.192	11.305	BB	368768	3948222	100.00%	5.553%
10	12.243	12.197	12.295	BB	307744	3508410	88.86%	4.935%
11	12.681	12.637	12.733	BB	259160	3039729	76.99%	4.275%
12	12.852	12.803	12.897	BB	298728	3459780	87.63%	4.866%
13	13.435	13.366	13.486	BB	286473	3457841	87.58%	4.864%
14	14.530	14.452	14.580	BB	284332	3441312	87.16%	4.840%
15	15.546	15.495	15.597	BB	260660	3368841	85.33%	4.738%
16	16.490	16.439	16.542	BB	242106	3316641	84.00%	4.665%
17	17.373	17.318	17.422	BB	256775	3407072	86.29%	4.792%
18	18.201	18.142	18.259	BB	234376	3250869	82.34%	4.572%
19	18.981	18.923	19.036	BB	195343	2799490	70.91%	3.938%
20	19.715	19.660	19.752	BB	162450	2354824	59.64%	3.312%
21	20.413	20.357	20.465	BB	150507	2176627	55.13%	3.061%
22	21.185	21.120	21.252	BB	101405	2061300	52.21%	2.899%
Sum of corrected areas:							71097251	

Aliphatic EPH 012425.M Tue Feb 04 01:40:22 2025



QC SAMPLE DATA

Report of Analysis

Client:	Sciacca General Contractors, LLC		Date Collected:		
Project:	1063 Lafayette Ave, Hawthorne, NJ		Date Received:		
Client Sample ID:	PB166432BL		SDG No.:	Q1236	
Lab Sample ID:	PB166432BL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.01	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_F2	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049024.D	1	01/31/25	01/31/25	PB166432

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2.17	J	1.72	4.00	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.80	U	1.80	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.9		40 - 140	80%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	39.6		40 - 140	79%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB166432BL	Acq On:	31 Jan 2025 15:29
Client Sample ID:	PB166432BL	Operator:	YP/AJ
Data file:	FD049024.D	Misc:	
Instrument:	FID_D	ALS Vial:	61
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.006	6.243	0	0	300	ug/ml
Aliphatic C12-C16	6.244	9.612	0	0	200	ug/ml
Aliphatic C16-C21	9.613	12.953	5629694	32.56	300	ug/ml
Aliphatic C21-C28	12.954	16.592	0	0	400	ug/ml
Aliphatic C28-C40	16.593	21.288	0	0	600	ug/ml
Aliphatic EPH	3.006	21.288	5629694	32.56		ug/ml
ortho-Terphenyl (SURR)	11.241	11.241	7643645	39.59		ug/ml
1-chlorooctadecane (SURR)	12.682	12.682	5856666	39.9		ug/ml
Aliphatic C9-C28	3.006	16.592	5629694	32.56	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD013125AL\
 Data File : FD049024.D
 Signal(s) : FID2B.ch
 Acq On : 31 Jan 2025 15:29
 Operator : YP/AJ
 Sample : PB166432BL
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 PB166432BL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/03/2025
 Supervised By :Ankita Jodhani 02/03/2025

Integration File: autoint1.e
 Quant Time: Feb 01 03:46:01 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.M
 Quant Title : GC Extractables
 QLast Update : Sat Jan 25 05:57:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.241	7643645	39.585 ug/ml
Spiked Amount 50.000		Recovery =	79.17%
12) S 1-chlorooctadecane (S...	12.682	5856666	39.900 ug/mlm
Spiked Amount 50.000		Recovery =	79.80%

Target Compounds

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD013125AL\
Data File : FD049024.D
Signal(s) : FID2B.ch
Acq On : 31 Jan 2025 15:29
Operator : YP/AJ
Sample : PB166432BL
Misc :
ALS Vial : 61 Sample Multiplier: 1

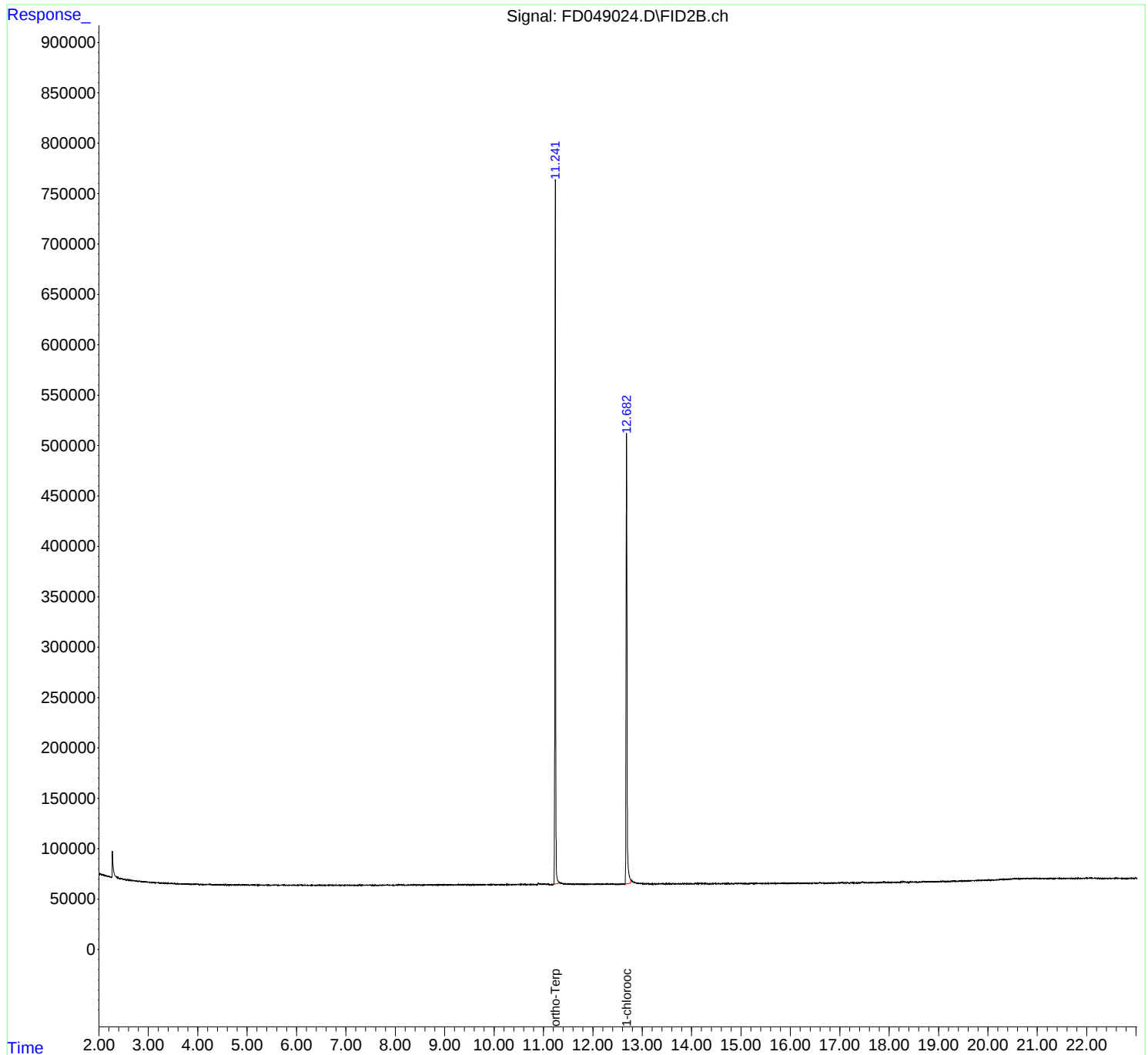
Instrument :
FID_D
ClientSampleId :
PB166432BL

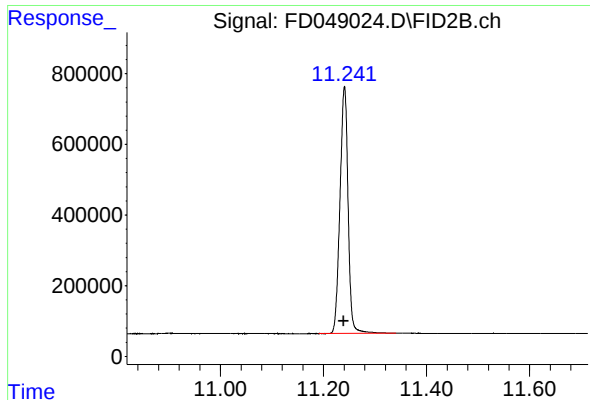
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025

Integration File: autoint1.e
Quant Time: Feb 01 03:46:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.
Quant Title : GC Extractables
QLast Update : Sat Jan 25 05:57:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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





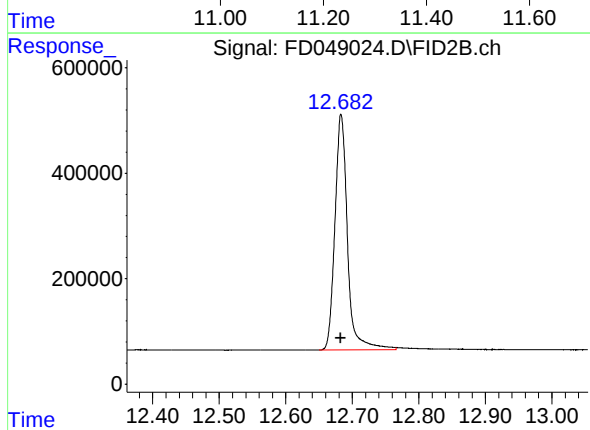
#9 ortho-Terphenyl (SURR)

R.T.: 11.241 min
Delta R.T.: 0.002 min
Response: 7643645
Conc: 39.59 ug/ml

Instrument :
FID_D
ClientSampleId :
PB166432BL

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



#12 1-chlorooctadecane (SURR)

R.T.: 12.682 min
Delta R.T.: 0.000 min
Response: 5856666
Conc: 39.90 ug/ml m

rteres

Instrument :

FID_D

ClientSampleId :

PB166432BL

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/03/2025

Supervised By :Ankita Jodhani 02/03/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD01312

Data File : FD049024.D

Signal(s) : FID2B.ch

Acq On : 31 Jan 2025 15:29

Sample : PB166432BL

Misc :

ALS Vial : 61 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.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	11.241	11.191	11.341	BB	698833	7643645	100.00%	57.586%
2	12.683	12.636	12.750	BBA	444513	5629694	73.65%	42.414%
Sum of corrected areas:							13273339	

Aliphatic EPH 012425.M Sat Feb 01 04:52:37 2025

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	
Project:	1063 Lafayette Ave, Hawthorne, NJ	Date Received:	
Client Sample ID:	PB166432BS	SDG No.:	Q1236
Lab Sample ID:	PB166432BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049025.D	1	01/31/25	01/31/25	PB166432

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	104	E	1.72	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	33.8		1.80	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	42.1		40 - 140	84%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	39.0		40 - 140	78%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB166432BS	Acq On:	31 Jan 2025 16:05
Client Sample ID:	PB166432BS	Operator:	YP/AJ
Data file:	FD049025.D	Misc:	
Instrument:	FID_D	ALS Vial:	62
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.006	6.243	49510849	303.997	300	ug/ml
Aliphatic C12-C16	6.244	9.612	52429787	310.47	200	ug/ml
Aliphatic C16-C21	9.613	12.953	73734304	426.449	300	ug/ml
Aliphatic C21-C28	12.954	16.592	88034245	522.256	400	ug/ml
Aliphatic C28-C40	16.593	21.288	66720376	507.445	600	ug/ml
Aliphatic EPH	3.006	21.288	330429561	2070		ug/ml
ortho-Terphenyl (SURR)	11.243	11.243	7532544	39.01		ug/ml
1-chlorooctadecane (SURR)	12.684	12.684	6182626	42.12		ug/ml
Aliphatic C9-C28	3.006	16.592	263709185	1560	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD013125AL\
 Data File : FD049025.D
 Signal(s) : FID2B.ch
 Acq On : 31 Jan 2025 16:05
 Operator : YP/AJ
 Sample : PB166432BS
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Instrument :

FID_D

ClientSampleId :

PB166432BS

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 02/03/2025

Supervised By :Ankita Jodhani 02/03/2025

Integration File: autoint1.e

Quant Time: Feb 03 06:07:30 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.M

Quant Title : GC Extractables

QLast Update : Sat Jan 25 05:57:24 2025

Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.243	7532544	39.010 ug/ml
Spiked Amount 50.000		Recovery =	78.02%
12) S 1-chlorooctadecane (S...	12.684	6182626	42.121 ug/ml
Spiked Amount 50.000		Recovery =	84.24%
Target Compounds			
1) T n-Nonane (C9)	3.130	8791224	54.971 ug/ml
2) T n-Decane (C10)	4.163	9303429	57.057 ug/ml
3) T A~Naphthalene (C11.7)	5.702	10942025	64.029 ug/ml
4) T n-Dodecane (C12)	6.147	9776959	59.032 ug/ml
5) T A~2-methylnaphthalene...	6.746	10142174	62.918 ug/ml
6) T n-Tetradecane (C14)	7.927	9967787	60.294 ug/ml
7) T n-Hexadecane (C16)	9.515	10023187	58.131 ug/ml
8) T n-Octadecane (C18)	10.948	10051742	57.008 ug/ml
10) T n-Eicosane (C20)	12.251	10652635	61.896 ug/ml
11) T n-Heneicosane (C21)	12.857	9852118	57.858 ug/ml
13) T n-Docosane (C22)	13.440	9767935	57.442 ug/ml
14) T n-Tetracosane (C24)	14.486	19841527	116.464 ug/mlm
15) T n-Hexacosane (C26)	15.555	9347920	55.810 ug/ml
16) T n-Octacosane (C28)	16.497	9245024	55.575 ug/ml
17) T n-Tricontane (C30)	17.383	8980276	52.316 ug/ml
18) T n-Dotriacontane (C32)	18.208	8407016	51.425 ug/ml
19) T n-Tetratriacontane (C34)	18.987	7358537	52.818 ug/ml
20) T n-Hexatriacontane (C36)	19.721	5913539	51.427 ug/ml
21) T n-Octatriacontane (C38)	20.416	4727032	45.619 ug/ml
22) T n-Tetracontane (C40)	21.191	3692802	38.531 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD013125AL\
Data File : FD049025.D
Signal(s) : FID2B.ch
Acq On : 31 Jan 2025 16:05
Operator : YP/AJ
Sample : PB166432BS
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :

FID_D

ClientSampleId :

PB166432BS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/03/2025

Supervised By :Ankita Jodhani 02/03/2025

Integration File: autoint1.e

Quant Time: Feb 03 06:07:30 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.

Quant Title : GC Extractables

QLast Update : Sat Jan 25 05:57:24 2025

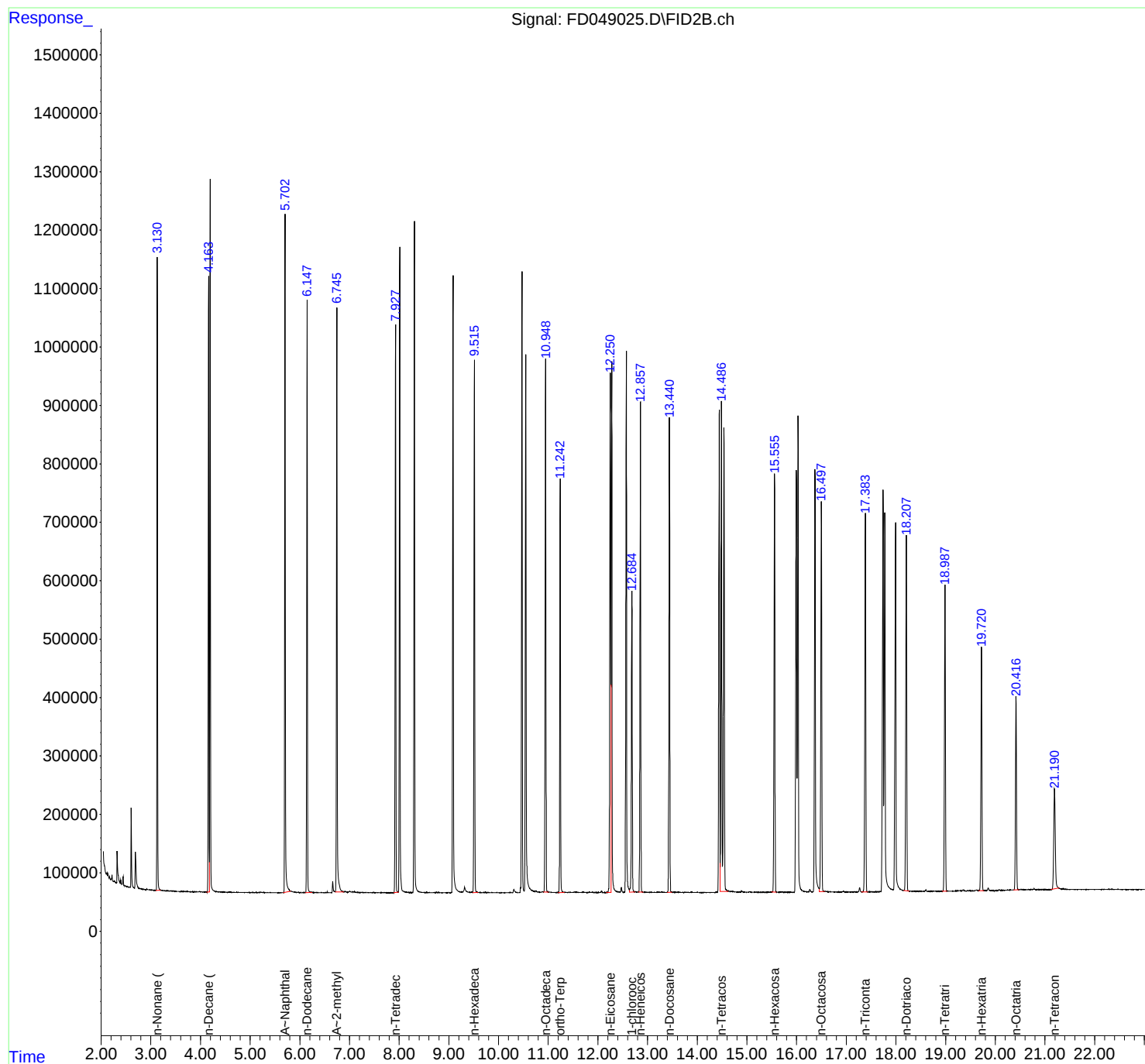
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um



rteres

Instrument :

FID_D

ClientSampleId :

PB166432BS

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/03/2025

Supervised By :Ankita Jodhani 02/03/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD01312
Data File : FD049025.D
Signal(s) : FID2B.ch
Acq On : 31 Jan 2025 16:05
Sample : PB166432BS
Misc :
ALS Vial : 62 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.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	3.130	3.097	3.200	BBA	1082613	8791224	75.48%	2.555%
2	4.163	4.120	4.178	BV	1053520	9303429	79.88%	2.703%
3	4.195	4.178	4.308	VB	1219787	10697212	91.84%	3.108%
4	5.702	5.661	5.820	BBA	1160548	10942025	93.95%	3.179%
5	6.147	6.106	6.243	BB	1014280	9776959	83.94%	2.841%
6	6.746	6.712	6.886	BV	999547	10142174	87.08%	2.947%
7	7.927	7.883	7.986	BV	970521	9967787	85.58%	2.896%
8	8.012	8.001	8.103	BB	786601	-624016	-5.36%	-0.181%
9	8.307	8.264	8.438	BB	1146889	11647108	100.00%	3.384%
10	9.086	9.024	9.244	BB	1056541	11273547	96.79%	3.276%
11	9.515	9.475	9.591	BB	909692	10023187	86.06%	2.912%
12	10.474	10.415	10.520	BV	1063354	10933896	93.88%	3.177%
13	10.550	10.520	10.731	VB	920111	10888572	93.49%	3.164%
14	10.948	10.902	11.006	BB	911543	10051742	86.30%	2.921%
15	11.243	11.200	11.330	BB	707674	7532544	64.67%	2.189%
16	12.251	12.164	12.263	BV	888914	10652635	91.46%	3.095%
17	12.279	12.263	12.406	VB	907517	10518855	90.31%	3.057%
18	12.573	12.526	12.636	BV	927691	10836486	93.04%	3.149%
19	12.684	12.636	12.751	VBA	515321	6182626	53.08%	1.797%
20	12.857	12.810	12.914	BB	839870	9852118	84.59%	2.863%
21	13.440	13.392	13.492	BB	812471	9767935	83.87%	2.838%
22	14.444	14.357	14.461	BV	821420	10155544	87.19%	2.951%
23	14.486	14.461	14.507	VV	840370	9778649	83.96%	2.841%
24	14.537	14.507	14.651	VB	794873	10195721	87.54%	2.963%
25	15.555	15.500	15.596	BB	715818	9347920	80.26%	2.716%
26	15.994	15.941	16.007	BV	721870	9876785	84.80%	2.870%
27	16.029	16.007	16.156	VB	815295	10149570	87.14%	2.949%
28	16.370	16.317	16.457	BV	722667	9517097	81.71%	2.765%
29	16.497	16.457	16.568	VB	665912	9245024	79.38%	2.686%
30	17.383	17.308	17.436	BB	646854	8980276	77.10%	2.609%
31	17.740	17.666	17.753	BV	687480	9416184	80.85%	2.736%
32	17.776	17.753	17.934	VB	646995	9042128	77.63%	2.627%
33	17.992	17.936	18.120	BBA	628408	9182862	78.84%	2.668%
34	18.208	18.156	18.276	BB	608257	8407016	72.18%	2.443%
35	18.987	18.925	19.029	BB	524489	7358537	63.18%	2.138%
36	19.721	19.656	19.776	BB	416396	5913539	50.77%	1.718%

FID_D

ClientSampleId :

PB166432BS

Area	Area	Area	Area	Area	Area	Area	Area	Area	Area
37	20.416	20.365	20.477	BB	330980	4727032	40.59%	1.374%	
38	21.191	21.117	21.280	BBA	171626	3692802	31.19%	0.974%	
Sum of corrected areas:						3441			

Manual IntegrationsAPPROVED

Aliphatic EPH 012425.M Sat Feb 01 04:53:17 2025

Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	
Project:	1063 Lafayette Ave, Hawthorne, NJ	Date Received:	
Client Sample ID:	PB166432BSD	SDG No.:	Q1236
Lab Sample ID:	PB166432BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049026.D	1	01/31/25	01/31/25	PB166432

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	69.1		1.72	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	23.1		1.80	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	42.5		40 - 140	85%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	39.6		40 - 140	79%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB166432BSD	Acq On:	31 Jan 2025 16:42
Client Sample ID:	PB166432BSD	Operator:	YP/AJ
Data file:	FD049026.D	Misc:	
Instrument:	FID_D	ALS Vial:	63
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.006	6.243	33300810	204.467	300	ug/ml
Aliphatic C12-C16	6.244	9.612	32957095	195.16	200	ug/ml
Aliphatic C16-C21	9.613	12.953	49346658	285.401	300	ug/ml
Aliphatic C21-C28	12.954	16.592	59346880	352.071	400	ug/ml
Aliphatic C28-C40	16.593	21.288	45590754	346.742	600	ug/ml
Aliphatic EPH	3.006	21.288	220542197	1380		ug/ml
ortho-Terphenyl (SURR)	11.243	11.243	7647539	39.61		ug/ml
1-chlorooctadecane (SURR)	12.685	12.685	6241571	42.52		ug/ml
Aliphatic C9-C28	3.006	16.592	174951443	1040	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD013125AL\
 Data File : FD049026.D
 Signal(s) : FID2B.ch
 Acq On : 31 Jan 2025 16:42
 Operator : YP/AJ
 Sample : PB166432BSD
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 PB166432BSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/03/2025
 Supervised By :Ankita Jodhani 02/03/2025

Integration File: autoint1.e
 Quant Time: Feb 03 06:07:42 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.M
 Quant Title : GC Extractables
 QLast Update : Sat Jan 25 05:57:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.243	7647539	39.605 ug/ml
Spiked Amount 50.000		Recovery =	79.21%
12) S 1-chlorooctadecane (S...	12.685	6241571	42.522 ug/ml
Spiked Amount 50.000		Recovery =	85.04%
Target Compounds			
1) T n-Nonane (C9)	3.123	5956706	37.247 ug/ml
2) T n-Decane (C10)	4.159	6244701	38.298 ug/ml
3) T A~Naphthalene (C11.7)	5.700	7313987	42.799 ug/ml
4) T n-Dodecane (C12)	6.146	6571759	39.680 ug/ml
5) T A~2-methylnaphthalene...	6.745	6833294	42.391 ug/ml
6) T n-Tetradecane (C14)	7.926	6703756	40.550 ug/ml
7) T n-Hexadecane (C16)	9.514	6727061	39.015 ug/ml
8) T n-Octadecane (C18)	10.946	6748924	38.276 ug/ml
10) T n-Eicosane (C20)	12.248	6951782	40.393 ug/ml
11) T n-Heneicosane (C21)	12.856	6614274	38.843 ug/ml
13) T n-Docosane (C22)	13.438	6556050	38.554 ug/ml
14) T n-Tetracosane (C24)	14.481	13405556	78.687 ug/mlm
15) T n-Hexacosane (C26)	15.552	6298266	37.603 ug/ml
16) T n-Octacosane (C28)	16.495	6290975	37.817 ug/ml
17) T n-Tricontane (C30)	17.380	6081622	35.430 ug/ml
18) T n-Dotriacontane (C32)	18.205	5715064	34.959 ug/ml
19) T n-Tetratriacontane (C34)	18.984	5059366	36.315 ug/ml
20) T n-Hexatriacontane (C36)	19.718	4152899	36.116 ug/ml
21) T n-Octatriacontane (C38)	20.415	3339676	32.230 ug/ml
22) T n-Tetracontane (C40)	21.192	2532611	26.426 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD013125AL\
Data File : FD049026.D
Signal(s) : FID2B.ch
Acq On : 31 Jan 2025 16:42
Operator : YP/AJ
Sample : PB166432BSD
Misc :
ALS Vial : 63 Sample Multiplier: 1

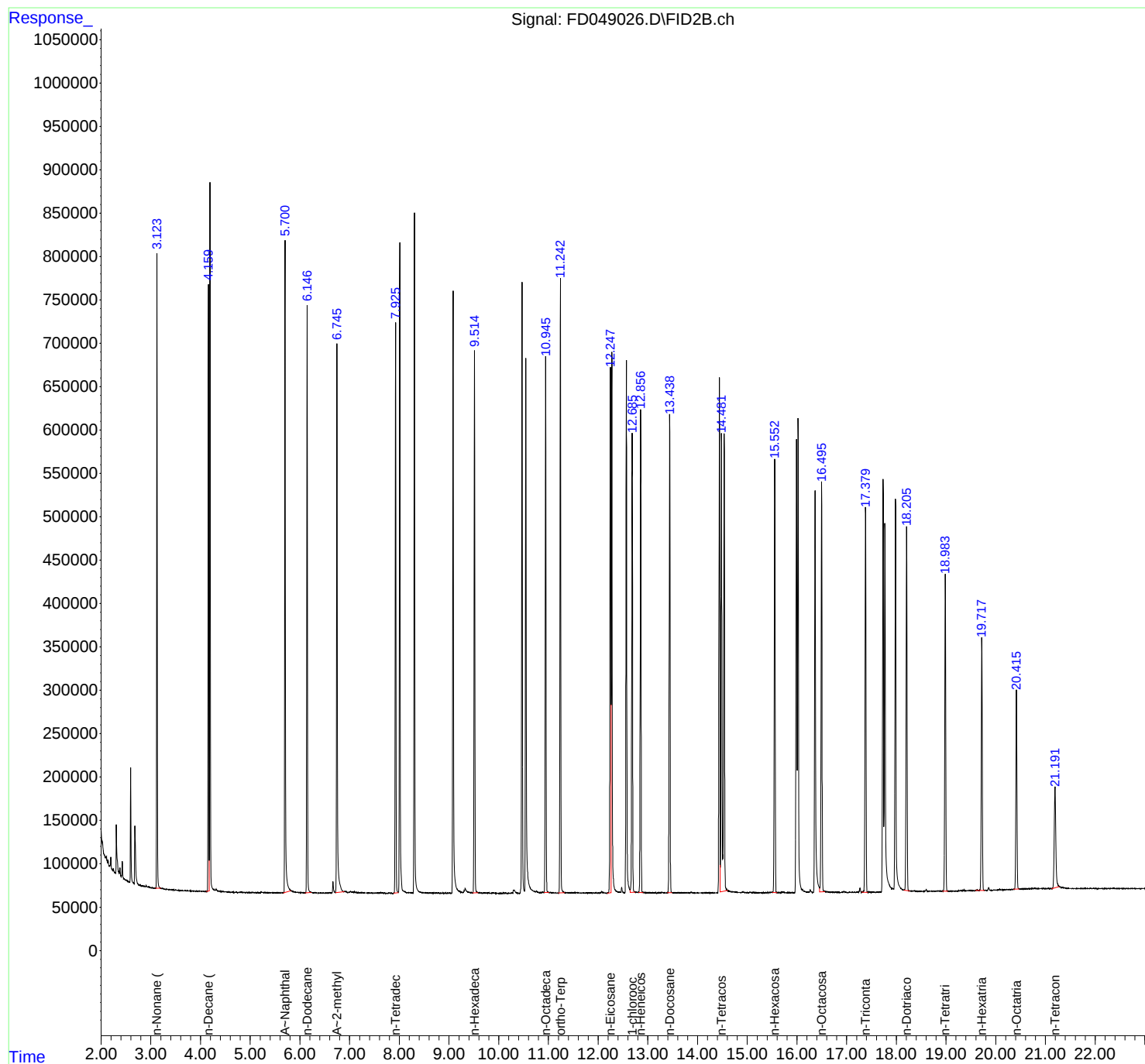
Instrument :
FID_D
ClientSampleId :
PB166432BSD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025

Integration File: autoint1.e
Quant Time: Feb 03 06:07:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.
Quant Title : GC Extractables
QLast Update : Sat Jan 25 05:57:24 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

Instrument :

FID_D

ClientSampleId :

PB166432BSD

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/03/2025

Supervised By :Ankita Jodhani 02/03/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD01312
Data File : FD049026.D
Signal(s) : FID2B.ch
Acq On : 31 Jan 2025 16:42
Sample : PB166432BSD
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.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	3.123	3.086	3.200	BBA	731313	5956706	76.72%	2.541%
2	4.159	4.122	4.175	BV	699095	6244701	80.43%	2.664%
3	4.191	4.175	4.280	VB	815729	7213657	92.90%	3.077%
4	5.700	5.665	5.820	BBA	750590	7313987	94.20%	3.120%
5	6.146	6.100	6.227	BB	675854	6571759	84.64%	2.803%
6	6.745	6.712	6.896	PB	632557	6833294	88.01%	2.915%
7	7.926	7.882	7.982	BV	656951	6703756	86.34%	2.860%
8	8.010	8.001	8.112	BB	487622	-2616147	-33.69%	-1.116%
9	8.305	8.262	8.432	BB	784268	7764578	100.00%	3.312%
10	9.083	9.042	9.232	BB	693906	7544553	97.17%	3.218%
11	9.514	9.470	9.587	BB	624950	6727061	86.64%	2.870%
12	10.471	10.418	10.522	BV	704001	7306116	94.10%	3.117%
13	10.547	10.522	10.722	VB	614411	7292274	93.92%	3.111%
14	10.946	10.910	11.013	BB	617510	6748924	86.92%	2.879%
15	11.243	11.201	11.325	BB	707850	7647539	98.49%	3.262%
16	12.248	12.188	12.261	BV	605414	6951782	89.53%	2.965%
17	12.276	12.261	12.400	VB	623109	7229649	93.11%	3.084%
18	12.568	12.527	12.646	BV	613520	7203639	92.78%	3.073%
19	12.685	12.646	12.751	VBA	528529	6241571	80.39%	2.662%
20	12.856	12.810	12.909	BB	555881	6614274	85.19%	2.821%
21	13.438	13.385	13.488	BB	550858	6556050	84.44%	2.797%
22	14.440	14.397	14.458	BV	593985	6777215	87.28%	2.891%
23	14.481	14.458	14.507	VV	529114	6470237	83.33%	2.760%
24	14.535	14.507	14.632	VB	527988	6988955	90.01%	2.981%
25	15.552	15.504	15.600	BB	499389	6298266	81.12%	2.687%
26	15.990	15.937	16.004	BV	520930	6635555	85.46%	2.830%
27	16.022	16.004	16.153	VB	546704	6930803	89.26%	2.956%
28	16.363	16.310	16.456	BV	463042	6398824	82.41%	2.730%
29	16.495	16.456	16.564	VB	472540	6290975	81.02%	2.684%
30	17.380	17.309	17.427	BB	444205	6081622	78.33%	2.594%
31	17.733	17.668	17.748	BV	475657	6092230	78.46%	2.599%
32	17.769	17.748	17.948	VV	424176	6374706	82.10%	2.719%
33	17.984	17.948	18.121	VBA	450498	6242580	80.40%	2.663%
34	18.205	18.150	18.271	BB	419382	5715064	73.60%	2.438%
35	18.984	18.927	19.038	BB	364949	5059366	65.16%	2.158%
36	19.718	19.587	19.774	BB	289762	4152899	53.49%	1.771%

	Area	Height	Area%	Height%	Area	Height	Area%	Height%
37	20.415	20.359	20.477	BB	229761	3339676	43.01%	1.425%
38	21.192	21.127	21.280	BBA	116433	2532611	32.01%	1.425%
					Sum of corrected areas: 2344			

Aliphatic EPH 012425.M Sat Feb 01 04:53:53 2025

Instrument :
FID_D
ClientSampleId :
PB166432BSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025

Report of Analysis

Client:	Sciaccia General Contractors, LLC	Date Collected:	
Project:	1063 Lafayette Ave, Hawthorne, NJ	Date Received:	
Client Sample ID:	5MS	SDG No.:	Q1236
Lab Sample ID:	Q1236-07MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.1
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
01/31/25 12:05	01/31/25 20:21	PB166432

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	96.9	E	1	2.06	4.80	mg/kg	FD049032.D
Total EPH	Total EPH	96.9			2.06	4.80	mg/kg	

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	
Project:	1063 Lafayette Ave, Hawthorne, NJ	Date Received:	
Client Sample ID:	5MS	SDG No.:	Q1236
Lab Sample ID:	Q1236-07MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.1
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049032.D	1	01/31/25	01/31/25	PB166432

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	96.9	E	2.06	4.80	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	45.1		2.16	2.40	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	24.8		40 - 140	50%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	25.7		40 - 140	51%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1236-07MS	Acq On:	31 Jan 2025 20:21
Client Sample ID:	5MS	Operator:	YP/AJ
Data file:	FD049032.D	Misc:	
Instrument:	FID_D	ALS Vial:	69
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.006	6.243	38356248	235.508	300	ug/ml
Aliphatic C12-C16	6.244	9.612	46783528	277.035	200	ug/ml
Aliphatic C16-C21	9.613	12.953	54174577	313.324	300	ug/ml
Aliphatic C21-C28	12.954	16.592	64646486	383.51	400	ug/ml
Aliphatic C28-C40	16.593	21.288	74039306	563.109	600	ug/ml
Aliphatic EPH	3.006	21.288	278000145	1770		ug/ml
ortho-Terphenyl (SURR)	11.241	11.241	4956914	25.67		ug/ml
1-chlorooctadecane (SURR)	12.683	12.683	3635775	24.77		ug/ml
Aliphatic C9-C28	3.006	16.592	203960839	1210	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD013125AL\
 Data File : FD049032.D
 Signal(s) : FID2B.ch
 Acq On : 31 Jan 2025 20:21
 Operator : YP/AJ
 Sample : Q1236-07MS
 Misc :
 ALS Vial : 69 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 SMS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/03/2025
 Supervised By :Ankita Jodhani 02/03/2025

Integration File: autoint1.e
 Quant Time: Feb 03 06:07:53 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.M
 Quant Title : GC Extractables
 QLast Update : Sat Jan 25 05:57:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.241	4956914	25.671 ug/ml
Spiked Amount 50.000		Recovery =	51.34%
12) S 1-chlorooctadecane (S...	12.683	3635775	24.770 ug/ml
Spiked Amount 50.000		Recovery =	49.54%
Target Compounds			
1) T n-Nonane (C9)	3.123	6386501	39.935 ug/ml
2) T n-Decane (C10)	4.159	6608326	40.528 ug/ml
3) T A~Naphthalene (C11.7)	5.700	7621936	44.601 ug/ml
4) T n-Dodecane (C12)	6.146	6720854	40.580 ug/ml
5) T A~2-methylnaphthalene...	6.745	7477058	46.385 ug/ml
6) T n-Tetradecane (C14)	7.926	6848010	41.423 ug/ml
7) T n-Hexadecane (C16)	9.514	6778006	39.310 ug/ml
8) T n-Octadecane (C18)	10.947	6792395	38.522 ug/ml
10) T n-Eicosane (C20)	12.249	7003551	40.693 ug/ml
11) T n-Heneicosane (C21)	12.856	6800260	39.936 ug/ml
13) T n-Docosane (C22)	13.439	6574991	38.666 ug/ml
14) T n-Tetracosane (C24)	14.481	13437901	78.877 ug/mlm
15) T n-Hexacosane (C26)	15.552	6267322	37.418 ug/ml
16) T n-Octacosane (C28)	16.496	6262613	37.647 ug/ml
17) T n-Tricontane (C30)	17.381	6232685	36.310 ug/ml
18) T n-Dotriacontane (C32)	18.207	6105173	37.345 ug/ml
19) T n-Tetratriacontane (C34)	18.985	6115266	43.894 ug/ml
20) T n-Hexatriacontane (C36)	19.723	5553418	48.295 ug/ml
21) T n-Octatriacontane (C38)	20.420	5778897	55.770 ug/ml
22) T n-Tetracontane (C40)	21.195	5294158	55.240 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD013125AL\
Data File : FD049032.D
Signal(s) : FID2B.ch
Acq On : 31 Jan 2025 20:21
Operator : YP/AJ
Sample : Q1236-07MS
Misc :
ALS Vial : 69 Sample Multiplier: 1

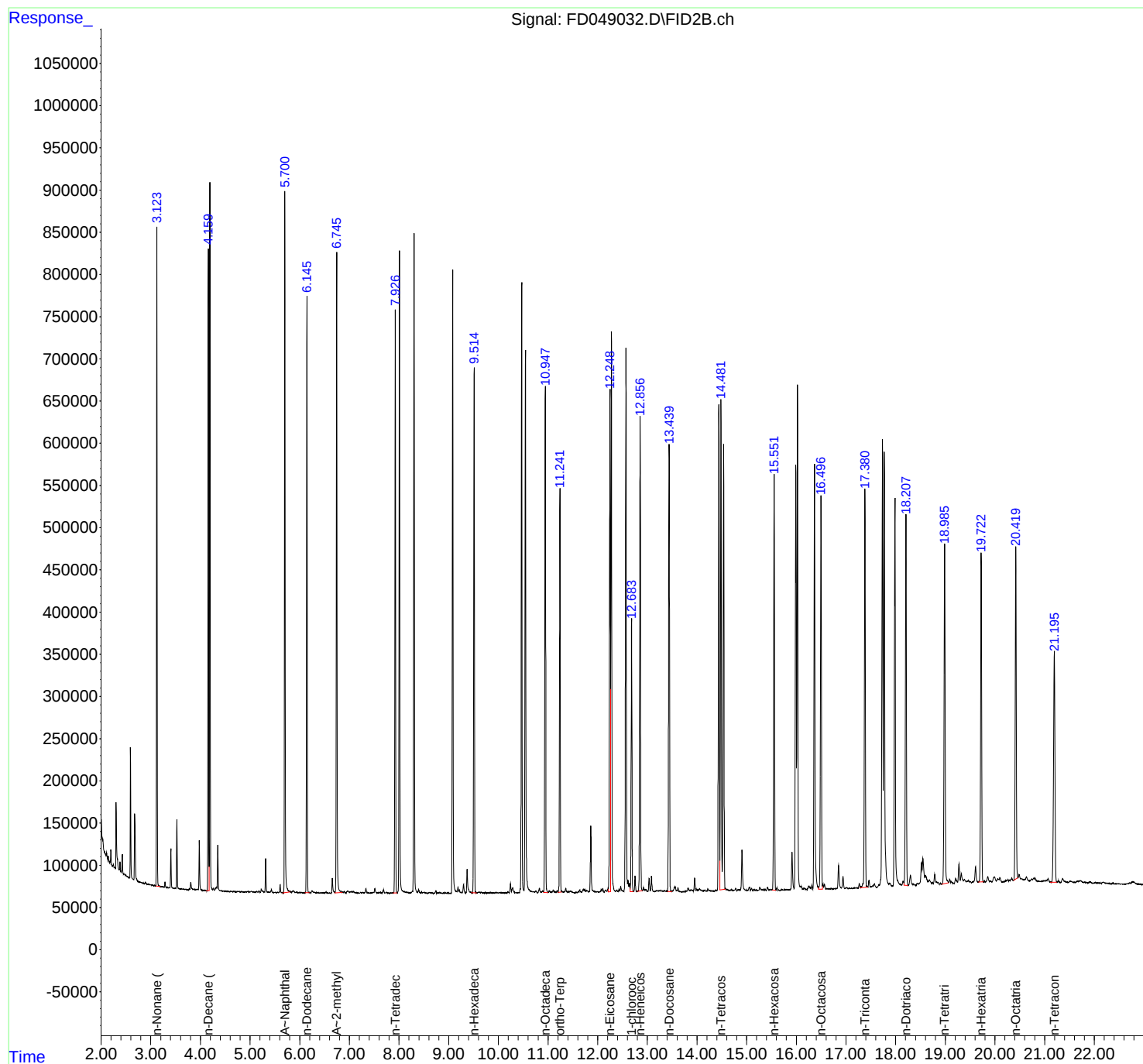
Instrument :
FID_D
ClientSampleId :
5MS

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025

Integration File: autoint1.e
Quant Time: Feb 03 06:07:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.
Quant Title : GC Extractables
QLast Update : Sat Jan 25 05:57:24 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

Instrument :

FID_D

ClientSampleId :

5MS

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD01312
Data File : FD049032.D
Signal(s) : FID2B.ch
Acq On : 31 Jan 2025 20:21
Sample : Q1236-07MS
Misc :
ALS Vial : 69 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.894	2.848	3.071	BV	1847	16891	0.21%	0.006%
2	3.078	3.071	3.097	PV	240	2459	0.03%	0.001%
3	3.123	3.097	3.267	VV	779058	6395430	80.33%	2.209%
4	3.287	3.267	3.315	VV	6366	53255	0.67%	0.018%
5	3.320	3.315	3.385	PV	173	3563	0.04%	0.001%
6	3.405	3.385	3.471	VV	46486	403350	5.07%	0.139%
7	3.527	3.471	3.671	PV	80568	720701	9.05%	0.249%
8	3.689	3.671	3.731	PV	353	4980	0.06%	0.002%
9	3.737	3.731	3.762	PV	149	1883	0.02%	0.001%
10	3.779	3.762	3.788	VV	1125	9306	0.12%	0.003%
11	3.807	3.788	3.920	VV	9142	152018	1.91%	0.053%
12	3.936	3.920	3.955	VV	1413	19218	0.24%	0.007%
13	3.978	3.955	4.128	VV	58650	552093	6.93%	0.191%
14	4.159	4.128	4.175	PV	752098	6607457	82.99%	2.282%
15	4.191	4.175	4.245	VV	838852	7374398	92.63%	2.547%
16	4.260	4.245	4.282	VV	3109	44580	0.56%	0.015%
17	4.300	4.282	4.310	VV	3606	39217	0.49%	0.014%
18	4.350	4.310	4.587	VV	54458	625253	7.85%	0.216%
19	4.606	4.587	4.661	VV	265	6276	0.08%	0.002%
20	4.678	4.661	4.728	VV	445	7054	0.09%	0.002%
21	4.761	4.728	4.803	PV	550	12742	0.16%	0.004%
22	4.814	4.803	4.827	VV	247	2170	0.03%	0.001%
23	4.838	4.827	4.846	VV	235	1813	0.02%	0.001%
24	4.852	4.846	4.872	VV	221	2231	0.03%	0.001%
25	4.889	4.872	4.897	VV	98	1414	0.02%	0.000%
26	4.921	4.897	4.930	VV	289	3907	0.05%	0.001%
27	4.947	4.930	4.961	VV	840	10129	0.13%	0.003%
28	4.973	4.961	5.000	VV	742	10675	0.13%	0.004%
29	5.025	5.000	5.068	VV	1149	22369	0.28%	0.008%
30	5.077	5.068	5.092	VV	205	1834	0.02%	0.001%
31	5.137	5.092	5.158	VV	1299	17265	0.22%	0.006%
32	5.179	5.158	5.207	VV	1839	21644	0.27%	0.007%
33	5.228	5.207	5.295	VV	4118	73925	0.93%	0.026%
34	5.314	5.295	5.393	VV	39887	398830	5.01%	0.138%
35	5.432	5.393	5.475	VV	3916	53356	0.67%	0.018%
36	5.500	5.475	5.540	VV	490	14802	0.19%	0.005%

				rters				
37	5.550	5.540	5.571	VV	486	7638	0.10%	0.003%
38	5.606	5.571	5.667	VV	9601	101353		
39	5.700	5.667	5.841	PV	829414	7703503	96.31%	2.703%
40	5.876	5.841	5.906	VV	2741	66115	0.04%	0.001%
41	5.927	5.906	5.972	VV	976	27240	0.03%	0.002%
42	5.988	5.972	6.000	VV	610	8244	0.02%	0.001%
43	6.013	6.000	6.028	VV	577	8117	0.10%	0.003%
44	6.037	6.028	6.075	VV	489	8583	0.11%	0.003%
45	6.082	6.075	6.098	VV	290	4060	0.05%	0.001%
46	6.106	6.098	6.110	VV	371	2575	0.03%	0.001%
47	6.145	6.110	6.199	VV	700649	6739658	84.65%	2.328%
48	6.212	6.199	6.224	VV	661	7565	0.10%	0.003%
49	6.247	6.224	6.350	VV	2627	80678	1.01%	0.028%
50	6.371	6.350	6.407	VV	703	9402	0.12%	0.003%
51	6.422	6.407	6.440	VV	428	5744	0.07%	0.002%
52	6.454	6.440	6.505	VV	554	13088	0.16%	0.005%
53	6.526	6.505	6.555	VV	1100	16859	0.21%	0.006%
54	6.567	6.555	6.593	VV	361	4105	0.05%	0.001%
55	6.607	6.593	6.627	VV	143	1432	0.02%	0.000%
56	6.657	6.627	6.715	PV	17854	228500	2.87%	0.079%
57	6.745	6.715	6.819	VV	755803	7494472	94.13%	2.589%
58	6.830	6.819	6.875	VV	2268	50843	0.64%	0.018%
59	6.892	6.875	6.932	VV	2073	40008	0.50%	0.014%
60	6.962	6.932	6.997	VV	2734	67463	0.85%	0.023%
61	7.030	6.997	7.046	VV	1936	40079	0.50%	0.014%
62	7.061	7.046	7.074	VV	2456	29101	0.37%	0.010%
63	7.088	7.074	7.202	VV	2331	51363	0.65%	0.018%
64	7.228	7.202	7.249	VV	874	12525	0.16%	0.004%
65	7.269	7.249	7.290	VV	1371	18289	0.23%	0.006%
66	7.334	7.290	7.423	VV	5670	89980	1.13%	0.031%
67	7.438	7.423	7.453	VV	396	4689	0.06%	0.002%
68	7.480	7.453	7.493	VV	1148	16112	0.20%	0.006%
69	7.514	7.493	7.561	VV	5552	83178	1.04%	0.029%
70	7.578	7.561	7.603	VV	813	13845	0.17%	0.005%
71	7.620	7.603	7.640	VV	1066	14583	0.18%	0.005%
72	7.689	7.640	7.720	VV	3842	64361	0.81%	0.022%
73	7.749	7.720	7.768	VV	1288	21838	0.27%	0.008%
74	7.781	7.768	7.808	VV	759	8979	0.11%	0.003%
75	7.866	7.808	7.888	PV	626	16182	0.20%	0.006%
76	7.926	7.888	7.965	VV	685479	6871140	86.30%	2.374%
77	8.009	7.965	8.132	VV	756846	7826293	98.30%	2.703%
78	8.141	8.132	8.213	VV	1480	45624	0.57%	0.016%
79	8.304	8.213	8.373	VV	783916	7961486	100.00%	2.750%
80	8.394	8.373	8.435	VV	4789	73626	0.92%	0.025%
81	8.455	8.435	8.481	VV	1457	25944	0.33%	0.009%
82	8.508	8.481	8.545	VV	1308	27004	0.34%	0.009%
83	8.557	8.545	8.576	VV	581	7402	0.09%	0.003%
84	8.611	8.576	8.631	VV	1183	18900	0.24%	0.007%
85	8.648	8.631	8.685	VV	868	15762	0.20%	0.005%
86	8.706	8.685	8.721	VV	337	5364	0.07%	0.002%
87	8.742	8.721	8.796	VV	3231	44917	0.56%	0.016%
88	8.817	8.796	8.841	VV	1316	16241	0.20%	0.006%
89	8.850	8.841	8.900	VV	324	7628	0.10%	0.003%

Instrument :

FID_D

ClientSampleId :

SMS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025

90	8.919	8.900	8.947	VV	687	10945	0.14%	0.004%
91	8.995	8.947	9.026	VV	698	17371		
92	9.082	9.026	9.171	PV	733432	7716257	96.14%	0.004%
93	9.189	9.171	9.205	VV	7194	87089		
94	9.216	9.205	9.235	VV	4140	48741		
95	9.249	9.235	9.271	VV	1586	23565		
96	9.300	9.271	9.338	VV	10665	152798	1.92%	0.053%
97	9.372	9.338	9.477	VV	28475	440502	5.53%	0.152%
98	9.514	9.477	9.564	VV	626382	6802688	85.44%	2.350%
99	9.601	9.564	9.634	VV	1220	38543	0.48%	0.013%
100	9.654	9.634	9.688	VV	1353	26091	0.33%	0.009%
101	9.694	9.688	9.711	VV	495	3822	0.05%	0.001%
102	9.747	9.711	9.775	VV	843	15983	0.20%	0.006%
103	9.791	9.775	9.805	VV	376	4556	0.06%	0.002%
104	9.844	9.805	9.882	VV	834	21421	0.27%	0.007%
105	9.900	9.882	9.916	VV	491	5935	0.07%	0.002%
106	9.951	9.916	9.973	VV	974	15652	0.20%	0.005%
107	9.986	9.973	9.998	VV	338	4015	0.05%	0.001%
108	10.022	9.998	10.075	VV	770	20043	0.25%	0.007%
109	10.090	10.075	10.117	VV	328	3450	0.04%	0.001%
110	10.143	10.117	10.168	VV	377	5588	0.07%	0.002%
111	10.196	10.168	10.217	VV	1260	18437	0.23%	0.006%
112	10.246	10.217	10.264	VV	11411	129664	1.63%	0.045%
113	10.290	10.264	10.400	VV	6227	147779	1.86%	0.051%
114	10.471	10.400	10.518	VV	726362	7475152	93.89%	2.582%
115	10.547	10.518	10.688	VV	648127	7510308	94.33%	2.594%
116	10.713	10.688	10.729	VV	1550	31896	0.40%	0.011%
117	10.755	10.729	10.787	VV	2023	48492	0.61%	0.017%
118	10.828	10.787	10.863	VV	5386	99445	1.25%	0.034%
119	10.894	10.863	10.910	VV	2338	41506	0.52%	0.014%
120	10.946	10.910	11.001	VV	604025	6821460	85.68%	2.356%
121	11.025	11.001	11.047	VV	2439	37965	0.48%	0.013%
122	11.062	11.047	11.079	VV	1350	18261	0.23%	0.006%
123	11.105	11.079	11.124	VV	3449	49000	0.62%	0.017%
124	11.134	11.124	11.157	VV	1667	21081	0.26%	0.007%
125	11.184	11.157	11.201	VV	2711	37071	0.47%	0.013%
126	11.241	11.201	11.277	VV	477949	4996314	62.76%	1.726%
127	11.288	11.277	11.308	VV	1609	23427	0.29%	0.008%
128	11.359	11.308	11.384	VV	5297	102300	1.28%	0.035%
129	11.409	11.384	11.425	VV	1483	30827	0.39%	0.011%
130	11.466	11.425	11.531	VV	1852	61712	0.78%	0.021%
131	11.544	11.531	11.558	PV	314	2807	0.04%	0.001%
132	11.640	11.558	11.674	VV	3292	76266	0.96%	0.026%
133	11.712	11.674	11.727	VV	4296	78040	0.98%	0.027%
134	11.741	11.727	11.758	VV	4332	54846	0.69%	0.019%
135	11.773	11.758	11.812	VV	2909	65431	0.82%	0.023%
136	11.863	11.812	11.926	VV	79344	1026233	12.89%	0.354%
137	11.937	11.926	11.970	VV	1612	30584	0.38%	0.011%
138	11.996	11.970	12.014	VV	1006	22177	0.28%	0.008%
139	12.071	12.014	12.088	VV	3974	70212	0.88%	0.024%
140	12.104	12.088	12.131	VV	4852	63543	0.80%	0.022%
141	12.164	12.131	12.183	VV	3088	65314	0.82%	0.023%

Instrument :

FID_D

ClientSampleId :

5MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025

				rters				
142	12.249	12.183	12.262	VV	593386	7113673	89.35%	2.457%
143	12.276	12.262	12.368	VV	658043	7359250	92.00%	0.000%
144	12.384	12.368	12.415	VV	2972	53010	0.00%	0.000%
145	12.430	12.415	12.446	VV	3914	48537	0.00%	0.000%
146	12.464	12.446	12.524	VV	7096	132893	1.11%	0.000%
147	12.569	12.524	12.600	VV	633663	7502592	94.00%	0.000%
148	12.611	12.600	12.628	VV	14300	188609	2.37%	0.065%
149	12.640	12.628	12.654	VV	10539	133692	1.68%	0.046%
150	12.683	12.654	12.728	VV	324348	3671674	46.12%	1.268%
151	12.752	12.728	12.801	VV	19143	236309	2.97%	0.082%
152	12.856	12.801	12.903	VV	559649	6889886	86.54%	2.380%
153	12.922	12.903	12.939	VV	5386	78606	0.99%	0.027%
154	12.950	12.939	12.968	VV	3468	49728	0.62%	0.017%
155	12.977	12.968	13.010	VV	2776	43786	0.55%	0.015%
156	13.035	13.010	13.060	VV	16440	202485	2.54%	0.070%
157	13.082	13.060	13.142	VV	19168	271673	3.41%	0.094%
158	13.194	13.142	13.212	VV	1967	52848	0.66%	0.018%
159	13.241	13.212	13.257	VV	1941	38636	0.49%	0.013%
160	13.273	13.257	13.296	VV	1981	34871	0.44%	0.012%
161	13.304	13.296	13.318	VV	1075	12303	0.15%	0.004%
162	13.344	13.318	13.367	VV	1790	36597	0.46%	0.013%
163	13.388	13.367	13.400	VV	1406	19981	0.25%	0.007%
164	13.438	13.400	13.490	VV	529865	6601585	82.92%	2.280%
165	13.506	13.490	13.514	VV	1482	17842	0.22%	0.006%
166	13.562	13.514	13.597	VV	6116	168117	2.11%	0.058%
167	13.616	13.597	13.642	VV	4731	59646	0.75%	0.021%
168	13.657	13.642	13.708	VV	516	10250	0.13%	0.004%
169	13.714	13.708	13.722	VV	203	895	0.01%	0.000%
170	13.790	13.722	13.800	PV	1182	21781	0.27%	0.008%
171	13.822	13.800	13.857	VV	4541	84302	1.06%	0.029%
172	13.879	13.857	13.922	VV	2418	64265	0.81%	0.022%
173	13.953	13.922	13.980	VV	16238	228827	2.87%	0.079%
174	13.995	13.980	14.017	VV	3027	48231	0.61%	0.017%
175	14.052	14.017	14.075	VV	3292	77837	0.98%	0.027%
176	14.087	14.075	14.125	VV	2006	36930	0.46%	0.013%
177	14.152	14.125	14.192	VV	1519	40621	0.51%	0.014%
178	14.218	14.192	14.240	VV	3199	46188	0.58%	0.016%
179	14.250	14.240	14.262	VV	998	11262	0.14%	0.004%
180	14.276	14.262	14.319	VV	860	21461	0.27%	0.007%
181	14.333	14.319	14.353	VV	788	9423	0.12%	0.003%
182	14.378	14.353	14.397	VV	1631	25590	0.32%	0.009%
183	14.440	14.397	14.459	VV	583129	7070384	88.81%	2.442%
184	14.481	14.459	14.506	VV	581717	6918011	86.89%	2.390%
185	14.535	14.506	14.595	VV	529831	6696643	84.11%	2.313%
186	14.605	14.595	14.661	VV	2180	54971	0.69%	0.019%
187	14.689	14.661	14.734	VV	2149	51792	0.65%	0.018%
188	14.779	14.734	14.805	VV	3444	64746	0.81%	0.022%
189	14.837	14.805	14.858	VV	1491	34138	0.43%	0.012%
190	14.904	14.858	14.982	VV	48607	735637	9.24%	0.254%
191	15.003	14.982	15.021	VV	1213	22014	0.28%	0.008%
192	15.050	15.021	15.078	VV	4390	78166	0.98%	0.027%
193	15.097	15.078	15.123	VV	3178	45230	0.57%	0.016%
194	15.146	15.123	15.169	VV	1849	29170	0.37%	0.010%

Instrument :

FID_D

ClientSampleId :

SMS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025

195	15.186	15.169	15.212	VV	1005	19585	0.25%	0.007%
196	15.263	15.212	15.327	VV	4064	104063		
197	15.350	15.327	15.368	VV	1628	27181		
198	15.376	15.368	15.398	VV	1030	13030		
199	15.420	15.398	15.451	VV	3672	59277		
200	15.467	15.451	15.482	VV	1415	17366		
201	15.499	15.482	15.515	VV	1240	19248	0.24%	0.007%
202	15.552	15.515	15.587	VV	493085	6291356	79.02%	2.173%
203	15.609	15.587	15.671	VV	3284	50609	0.64%	0.017%
204	15.702	15.671	15.748	PV	1087	25854	0.32%	0.009%
205	15.760	15.748	15.793	VV	647	13935	0.18%	0.005%
206	15.822	15.793	15.865	VV	996	27117	0.34%	0.009%
207	15.912	15.865	15.953	VV	44931	676153	8.49%	0.234%
208	15.989	15.953	16.005	VV	500112	6788317	85.26%	2.345%
209	16.023	16.005	16.085	VV	587726	6971416	87.56%	2.408%
210	16.095	16.085	16.127	VV	4272	74065	0.93%	0.026%
211	16.156	16.127	16.218	VV	2106	66393	0.83%	0.023%
212	16.254	16.218	16.295	VV	4634	130830	1.64%	0.045%
213	16.312	16.295	16.330	VV	5399	66397	0.83%	0.023%
214	16.365	16.330	16.455	VV	504115	6661358	83.67%	2.301%
215	16.496	16.455	16.526	VV	464144	6285271	78.95%	2.171%
216	16.535	16.526	16.550	VV	6245	72413	0.91%	0.025%
217	16.565	16.550	16.594	VV	6790	96117	1.21%	0.033%
218	16.647	16.594	16.667	VV	1011	38882	0.49%	0.013%
219	16.707	16.667	16.747	VV	1237	43831	0.55%	0.015%
220	16.803	16.747	16.815	VV	1363	44453	0.56%	0.015%
221	16.849	16.815	16.908	VV	28543	488743	6.14%	0.169%
222	16.939	16.908	16.975	VV	15398	248260	3.12%	0.086%
223	17.018	16.975	17.044	VV	2274	63941	0.80%	0.022%
224	17.075	17.044	17.099	VV	1393	38118	0.48%	0.013%
225	17.117	17.099	17.131	VV	1093	18589	0.23%	0.006%
226	17.180	17.131	17.200	VV	1579	53972	0.68%	0.019%
227	17.220	17.200	17.236	VV	1683	32004	0.40%	0.011%
228	17.267	17.236	17.288	VV	6504	111827	1.40%	0.039%
229	17.381	17.288	17.439	VV	471833	6396868	80.35%	2.210%
230	17.463	17.439	17.489	VV	10380	170306	2.14%	0.059%
231	17.505	17.489	17.516	VV	2616	39205	0.49%	0.014%
232	17.542	17.516	17.551	VV	4134	69395	0.87%	0.024%
233	17.571	17.551	17.620	VV	5994	150081	1.89%	0.052%
234	17.666	17.620	17.678	VV	4677	118116	1.48%	0.041%
235	17.735	17.678	17.750	VV	528940	7318917	91.93%	2.528%
236	17.770	17.750	17.865	VV	521209	7624049	95.76%	2.634%
237	17.881	17.865	17.945	VV	6348	221249	2.78%	0.076%
238	17.986	17.945	18.121	VV	458533	6887775	86.51%	2.379%
239	18.148	18.121	18.166	VV	8622	176669	2.22%	0.061%
240	18.207	18.166	18.256	VV	444531	6297521	79.10%	2.175%
241	18.298	18.256	18.350	VV	15415	432185	5.43%	0.149%
242	18.368	18.350	18.403	VV	4691	134008	1.68%	0.046%
243	18.432	18.403	18.450	VV	5786	134337	1.69%	0.046%
244	18.519	18.450	18.532	VV	30178	616980	7.75%	0.213%
245	18.549	18.532	18.585	VV	35192	762622	9.58%	0.263%
246	18.599	18.585	18.658	VV	14935	496931	6.24%	0.172%

Instrument :

FID_D

ClientSampleId :

5MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025

Detailed Performance Metrics - Q3 2023							Overall Summary	
ID	Regional Data			Status	Key Metrics		Growth %	Efficiency %
	North	South	East		Revenue	Profit		
247	18.679	18.658	18.724	VV	9762	309329	3.89%	0.107%
248	18.743	18.724	18.761	VV	6439	133945	2.15%	0.089%
249	18.787	18.761	18.814	VV	15995	327397	4.52%	0.123%
250	18.825	18.814	18.842	VV	7347	117367	1.98%	0.075%
251	18.855	18.842	18.880	VV	6660	128240	2.34%	0.091%
252	18.904	18.880	18.926	VV	5316	131620	1.76%	0.082%
253	18.986	18.926	19.067	VV	408494	6537102	82.11%	2.258%
254	19.088	19.067	19.111	VV	10203	210177	2.64%	0.073%
255	19.124	19.111	19.175	VV	6854	223317	2.80%	0.077%
256	19.207	19.175	19.246	VV	10515	334571	4.20%	0.116%
257	19.274	19.246	19.301	VV	27777	516111	6.48%	0.178%
258	19.322	19.301	19.365	VV	16473	439888	5.53%	0.152%
259	19.384	19.365	19.421	VV	9484	271588	3.41%	0.094%
260	19.460	19.421	19.528	VV	7724	440901	5.54%	0.152%
261	19.549	19.528	19.561	VV	6817	122734	1.54%	0.042%
262	19.609	19.561	19.660	VV	24386	661037	8.30%	0.228%
263	19.723	19.660	19.769	VV	393090	5955300	74.80%	2.057%
264	19.786	19.769	19.812	VV	6787	170382	2.14%	0.059%
265	19.855	19.812	19.897	VV	12381	433778	5.45%	0.150%
266	19.916	19.897	19.941	VV	7044	173091	2.17%	0.060%
267	19.988	19.941	20.025	VV	11881	468743	5.89%	0.162%
268	20.055	20.025	20.081	VV	9471	285976	3.59%	0.099%
269	20.100	20.081	20.145	VV	10556	313743	3.94%	0.108%
270	20.155	20.145	20.165	VV	5898	70865	0.89%	0.024%
271	20.219	20.165	20.241	VV	7348	301045	3.78%	0.104%
272	20.262	20.241	20.280	VV	8188	176172	2.21%	0.061%
273	20.336	20.280	20.371	VV	9605	436320	5.48%	0.151%
274	20.419	20.371	20.465	VV	401677	6275043	78.82%	2.168%
275	20.487	20.465	20.521	VV	14213	387543	4.87%	0.134%
276	20.544	20.521	20.568	VV	9130	246644	3.10%	0.085%
277	20.579	20.568	20.588	VV	8251	97558	1.23%	0.034%
278	20.592	20.588	20.600	VV	8170	58227	0.73%	0.020%
279	20.634	20.600	20.691	VV	11264	464391	5.83%	0.160%
280	20.739	20.691	20.757	VV	8557	300414	3.77%	0.104%
281	20.778	20.757	20.788	VV	9180	162360	2.04%	0.056%
282	20.804	20.788	20.863	VV	9312	343137	4.31%	0.119%
283	20.881	20.863	20.927	VV	6073	226062	2.84%	0.078%
284	20.977	20.927	20.998	VV	6237	252705	3.17%	0.087%
285	21.035	20.998	21.044	VV	6678	172880	2.17%	0.060%
286	21.070	21.044	21.129	VV	8491	317695	3.99%	0.110%
287	21.195	21.129	21.248	VV	276789	5615624	70.53%	1.940%
288	21.274	21.248	21.317	VV	5458	198450	2.49%	0.069%
289	21.363	21.317	21.468	VV	8374	494435	6.21%	0.171%
290	21.518	21.468	21.600	VV	5571	353994	4.45%	0.122%
291	21.718	21.600	21.868	VV	5735	692676	8.70%	0.239%
292	21.912	21.868	21.966	VV	3981	196782	2.47%	0.068%
293	21.978	21.966	21.995	VV	2812	46558	0.58%	0.016%
294	22.021	21.995	22.074	VV	3028	128290	1.61%	0.044%
295	22.094	22.074	22.145	VV	2618	104302	1.31%	0.036%
296	22.181	22.145	22.273	VV	3630	205797	2.58%	0.071%
297	22.281	22.273	22.333	VV	2155	67915	0.85%	0.023%
298	22.383	22.333	22.440	VV	2341	110167	1.38%	0.038%
299	22.468	22.440	22.531	VV	1581	68107	0.86%	0.024%

Chromatogram Data						
Peak No.	Retention Time (min)	Area (a.u.)	Height (a.u.)	Integration	Area (%)	Height (%)
300	22.547	22.531	22.576	VV	1064	26347
301	22.591	22.576	22.601	VV	926	12864
302	22.785	22.601	22.874	VV	3340	282427
303	22.894	22.874	22.955	VV	565	16332
Sum of corrected areas:					2894	

Instrument :
FID_D
ClientSampleId :
SMS

0.33% 0.009%

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025

Aliphatic EPH 012425.M Sat Feb 01 05:03:16 2025

Report of Analysis

Client:	Sciaccia General Contractors, LLC	Date Collected:	
Project:	1063 Lafayette Ave, Hawthorne, NJ	Date Received:	
Client Sample ID:	5MSD	SDG No.:	Q1236
Lab Sample ID:	Q1236-07MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.1
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
01/31/25 12:05	01/31/25 20:58	PB166432

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	94.5		1	2.06	4.80	mg/kg	FD049033.D
Total EPH	Total EPH	94.5			2.06	4.80	mg/kg	

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	
Project:	1063 Lafayette Ave, Hawthorne, NJ	Date Received:	
Client Sample ID:	5MSD	SDG No.:	Q1236
Lab Sample ID:	Q1236-07MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.1
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049033.D	1	01/31/25	01/31/25	PB166432

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	94.5		2.06	4.80	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	44.5		2.16	2.40	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	23.1		40 - 140	46%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	23.9		40 - 140	48%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1236-07MSD	Acq On:	31 Jan 2025 20:58
Client Sample ID:	5MSD	Operator:	YP/AJ
Data file:	FD049033.D	Misc:	
Instrument:	FID_D	ALS Vial:	70
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.006	6.243	37314485	229.111	300	ug/ml
Aliphatic C12-C16	6.244	9.612	45585246	269.939	200	ug/ml
Aliphatic C16-C21	9.613	12.953	52811296	305.439	300	ug/ml
Aliphatic C21-C28	12.954	16.592	63526418	376.866	400	ug/ml
Aliphatic C28-C40	16.593	21.288	73121814	556.131	600	ug/ml
Aliphatic EPH	3.006	21.288	272359259	1740		ug/ml
ortho-Terphenyl (SURR)	11.241	11.241	4610588	23.88		ug/ml
1-chlorooctadecane (SURR)	12.683	12.683	3389501	23.09		ug/ml
Aliphatic C9-C28	3.006	16.592	199237445	1180	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD013125AL\
 Data File : FD049033.D
 Signal(s) : FID2B.ch
 Acq On : 31 Jan 2025 20:58
 Operator : YP/AJ
 Sample : Q1236-07MSD
 Misc :
 ALS Vial : 70 Sample Multiplier: 1

Instrument :

FID_D

ClientSampleId :

5MSD

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/03/2025

Supervised By :Ankita Jodhani 02/03/2025

Integration File: autoint1.e

Quant Time: Feb 03 06:08:05 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.M

Quant Title : GC Extractables

QLast Update : Sat Jan 25 05:57:24 2025

Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.241	4610588	23.877 ug/ml
Spiked Amount 50.000		Recovery =	47.75%
12) S 1-chlorooctadecane (S...	12.683	3389501	23.092 ug/ml
Spiked Amount 50.000		Recovery =	46.18%
Target Compounds			
1) T n-Nonane (C9)	3.123	6273032	39.225 ug/ml
2) T n-Decane (C10)	4.159	6465078	39.650 ug/ml
3) T A~Naphthalene (C11.7)	5.700	7443029	43.554 ug/ml
4) T n-Dodecane (C12)	6.145	6559321	39.605 ug/ml
5) T A~2-methylnaphthalene...	6.745	7265503	45.072 ug/ml
6) T n-Tetradecane (C14)	7.925	6678923	40.400 ug/ml
7) T n-Hexadecane (C16)	9.513	6613477	38.356 ug/ml
8) T n-Octadecane (C18)	10.947	6632137	37.614 ug/ml
10) T n-Eicosane (C20)	12.248	6841535	39.752 ug/ml
11) T n-Heneicosane (C21)	12.855	6647792	39.040 ug/ml
13) T n-Docosane (C22)	13.438	6443909	37.895 ug/ml
14) T n-Tetracosane (C24)	14.481	13189877	77.421 ug/mlm
15) T n-Hexacosane (C26)	15.552	6177583	36.882 ug/ml
16) T n-Octacosane (C28)	16.496	6145854	36.945 ug/ml
17) T n-Tricontane (C30)	17.381	6044883	35.216 ug/ml
18) T n-Dotriacontane (C32)	18.207	5981370	36.588 ug/ml
19) T n-Tetratriacontane (C34)	18.986	6000959	43.074 ug/ml
20) T n-Hexatriacontane (C36)	19.722	5499910	47.830 ug/ml
21) T n-Octatriacontane (C38)	20.420	5683065	54.845 ug/ml
22) T n-Tetracontane (C40)	21.196	5235360	54.627 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD013125AL\
Data File : FD049033.D
Signal(s) : FID2B.ch
Acq On : 31 Jan 2025 20:58
Operator : YP/AJ
Sample : Q1236-07MSD
Misc :
ALS Vial : 70 Sample Multiplier: 1

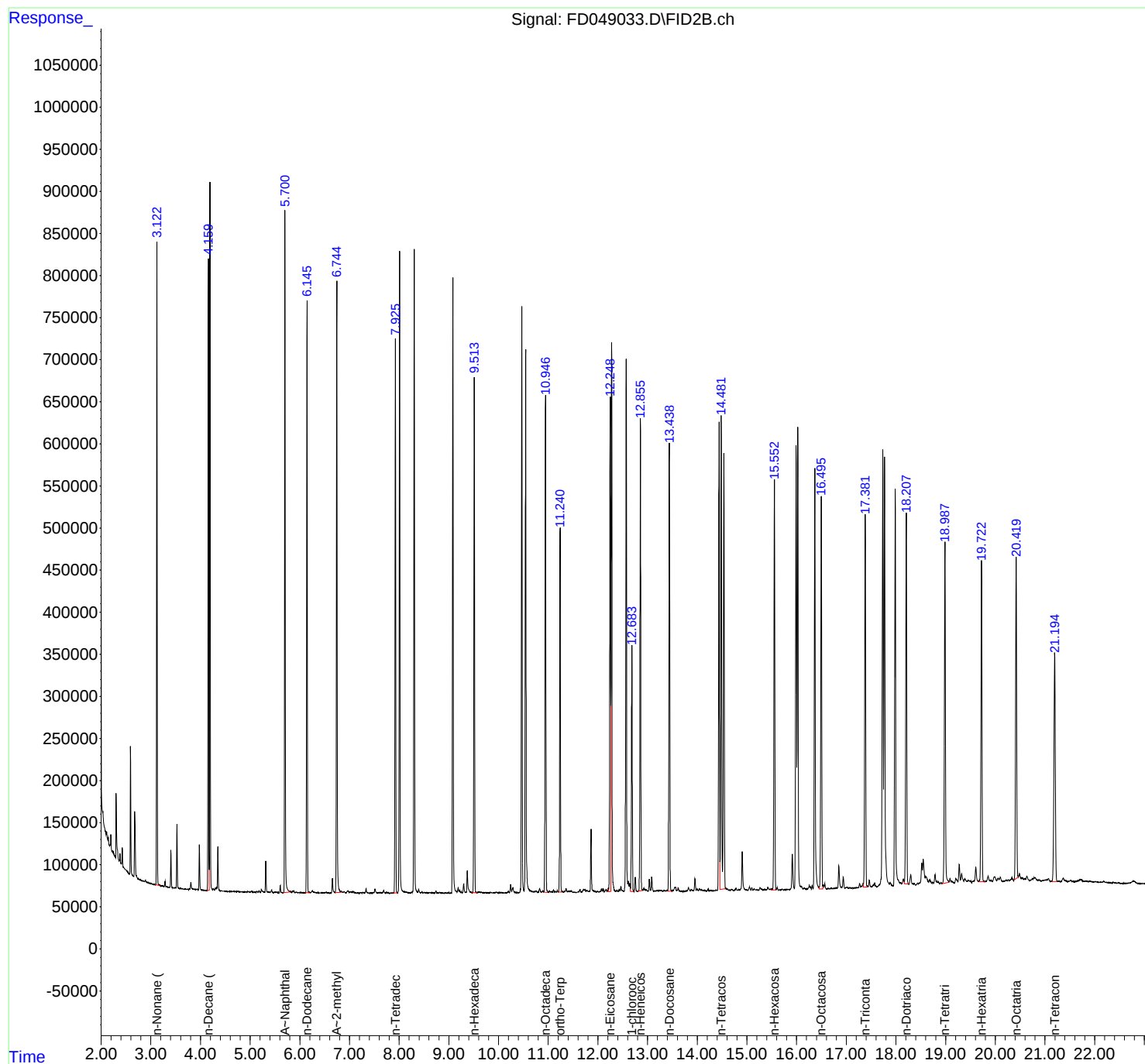
Instrument :
FID_D
ClientSampleId :
5MSD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025

Integration File: autoint1.e
Quant Time: Feb 03 06:08:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.
Quant Title : GC Extractables
QLast Update : Sat Jan 25 05:57:24 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

Instrument :

FID_D

ClientSampleId :

5MSD

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/03/2025

Supervised By :Ankita Jodhani 02/03/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD01312
Data File : FD049033.D
Signal(s) : FID2B.ch
Acq On : 31 Jan 2025 20:58
Sample : Q1236-07MSD
Misc :
ALS Vial : 70 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.891	2.848	2.935	BV	1981	21271	0.27%	0.008%
2	2.948	2.935	3.011	PV	429	4284	0.06%	0.002%
3	3.017	3.011	3.096	VV	250	1340	0.02%	0.000%
4	3.123	3.096	3.268	PV	758207	6289679	80.94%	2.218%
5	3.287	3.268	3.338	PV	6296	55747	0.72%	0.020%
6	3.347	3.338	3.362	VV	246	1741	0.02%	0.001%
7	3.371	3.362	3.384	PV	229	2337	0.03%	0.001%
8	3.405	3.384	3.471	VV	44381	377659	4.86%	0.133%
9	3.485	3.471	3.494	VV	324	3362	0.04%	0.001%
10	3.527	3.494	3.669	VV	75060	663114	8.53%	0.234%
11	3.690	3.669	3.734	PV	430	7215	0.09%	0.003%
12	3.748	3.734	3.758	PV	250	1688	0.02%	0.001%
13	3.778	3.758	3.788	VV	1046	10442	0.13%	0.004%
14	3.807	3.788	3.917	VV	8731	146323	1.88%	0.052%
15	3.936	3.917	3.958	VV	1270	18671	0.24%	0.007%
16	3.978	3.958	4.117	VV	54088	513995	6.61%	0.181%
17	4.159	4.117	4.175	PV	743864	6473723	83.31%	2.283%
18	4.191	4.175	4.243	VV	839655	7208855	92.77%	2.542%
19	4.260	4.243	4.284	VV	3045	46896	0.60%	0.017%
20	4.300	4.284	4.310	VV	3697	40577	0.52%	0.014%
21	4.350	4.310	4.419	VV	52299	556379	7.16%	0.196%
22	4.427	4.419	4.464	VV	576	10859	0.14%	0.004%
23	4.474	4.464	4.514	VV	350	7556	0.10%	0.003%
24	4.522	4.514	4.564	VV	303	3811	0.05%	0.001%
25	4.588	4.564	4.598	PV	336	4285	0.06%	0.002%
26	4.607	4.598	4.621	VV	357	3148	0.04%	0.001%
27	4.634	4.621	4.652	VV	315	4012	0.05%	0.001%
28	4.675	4.652	4.704	VV	564	8864	0.11%	0.003%
29	4.716	4.704	4.731	VV	311	2510	0.03%	0.001%
30	4.753	4.731	4.867	PV	476	14791	0.19%	0.005%
31	4.877	4.867	4.901	VV	216	2388	0.03%	0.001%
32	4.911	4.901	4.928	PV	229	2678	0.03%	0.001%
33	4.947	4.928	4.961	VV	589	7154	0.09%	0.003%
34	4.970	4.961	4.994	VV	705	7675	0.10%	0.003%
35	5.022	4.994	5.078	VV	1156	21634	0.28%	0.008%
36	5.137	5.078	5.160	VV	1381	17213	0.22%	0.006%

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37	5.179	5.160	5.209	VV	1940	21336	0.27%	0.008%	
38	5.227	5.209	5.291	VV	3701	63964			
39	5.315	5.291	5.344	VV	37219	351726			
40	5.355	5.344	5.388	VV	878	14386			
41	5.432	5.388	5.464	VV	3450	42245			
42	5.494	5.464	5.503	PV	303	4278			
43	5.514	5.503	5.571	VV	439	11025	0.14%	0.004%	
44	5.606	5.571	5.648	VV	8607	82955	1.07%	0.029%	
45	5.658	5.648	5.670	VV	105	965	0.01%	0.000%	
46	5.700	5.670	5.837	PV	808091	7507482	96.61%	2.648%	
47	5.876	5.837	5.910	VV	2417	59304	0.76%	0.021%	
48	5.922	5.910	5.968	VV	652	16049	0.21%	0.006%	
49	5.987	5.968	6.000	VV	552	7506	0.10%	0.003%	
50	6.015	6.000	6.085	VV	375	12252	0.16%	0.004%	
51	6.102	6.085	6.111	VV	295	3016	0.04%	0.001%	
52	6.145	6.111	6.224	VV	698415	6577675	84.65%	2.320%	
53	6.254	6.224	6.280	VV	2301	49803	0.64%	0.018%	
54	6.290	6.280	6.352	VV	1024	20907	0.27%	0.007%	
55	6.369	6.352	6.408	VV	465	6952	0.09%	0.002%	
56	6.428	6.408	6.437	VV	272	3526	0.05%	0.001%	
57	6.449	6.437	6.498	VV	389	9604	0.12%	0.003%	
58	6.526	6.498	6.598	VV	908	22285	0.29%	0.008%	
59	6.612	6.598	6.624	PV	129	1086	0.01%	0.000%	
60	6.657	6.624	6.714	VV	17535	218613	2.81%	0.077%	
61	6.745	6.714	6.873	VV	725276	7337524	94.43%	2.588%	
62	6.891	6.873	6.934	VV	1944	36695	0.47%	0.013%	
63	6.962	6.934	6.999	VV	2651	66566	0.86%	0.023%	
64	7.029	6.999	7.044	VV	1771	34100	0.44%	0.012%	
65	7.060	7.044	7.074	VV	2125	24637	0.32%	0.009%	
66	7.088	7.074	7.166	VV	1964	38686	0.50%	0.014%	
67	7.180	7.166	7.201	VV	264	2683	0.03%	0.001%	
68	7.226	7.201	7.249	VV	919	13399	0.17%	0.005%	
69	7.269	7.249	7.300	VV	1338	17383	0.22%	0.006%	
70	7.334	7.300	7.417	VV	5192	75378	0.97%	0.027%	
71	7.480	7.417	7.493	VV	967	16158	0.21%	0.006%	
72	7.514	7.493	7.558	VV	5019	75695	0.97%	0.027%	
73	7.578	7.558	7.594	VV	774	11077	0.14%	0.004%	
74	7.620	7.594	7.651	VV	1125	19027	0.24%	0.007%	
75	7.689	7.651	7.724	VV	3524	58357	0.75%	0.021%	
76	7.748	7.724	7.767	VV	1130	18572	0.24%	0.007%	
77	7.783	7.767	7.803	VV	788	8817	0.11%	0.003%	
78	7.848	7.803	7.886	PV	597	17814	0.23%	0.006%	
79	7.925	7.886	7.966	VV	656330	6699240	86.21%	2.363%	
80	8.010	7.966	8.134	VV	767705	7637355	98.29%	2.694%	
81	8.141	8.134	8.185	VV	1377	30644	0.39%	0.011%	
82	8.197	8.185	8.222	VV	659	12140	0.16%	0.004%	
83	8.304	8.222	8.373	VV	764953	7770530	100.00%	2.741%	
84	8.394	8.373	8.434	VV	4445	72418	0.93%	0.026%	
85	8.456	8.434	8.486	VV	1478	30243	0.39%	0.011%	
86	8.509	8.486	8.531	VV	1250	23075	0.30%	0.008%	
87	8.538	8.531	8.544	VV	644	4770	0.06%	0.002%	
88	8.551	8.544	8.578	VV	779	8824	0.11%	0.003%	
89	8.610	8.578	8.631	VV	1078	19008	0.24%	0.007%	

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90	8.647	8.631	8.682	VV	893	16356	0.21%	0.006%
91	8.698	8.682	8.714	VV	435	6466		
92	8.741	8.714	8.764	VV	2875	37959		
93	8.773	8.764	8.790	VV	391	4491		
94	8.816	8.790	8.835	VV	1278	16528		
95	8.852	8.835	8.871	VV	392	6116		
96	8.878	8.871	8.896	VV	283	2759	0.04%	0.001%
97	8.921	8.896	8.948	PV	693	10621	0.14%	0.004%
98	8.973	8.948	8.984	VV	580	7688	0.10%	0.003%
99	8.998	8.984	9.019	VV	701	8893	0.11%	0.003%
100	9.037	9.019	9.048	VV	289	4277	0.06%	0.002%
101	9.082	9.048	9.142	VV	720464	7503593	96.56%	2.646%
102	9.150	9.142	9.168	VV	2736	35241	0.45%	0.012%
103	9.189	9.168	9.205	VV	6574	84871	1.09%	0.030%
104	9.217	9.205	9.236	VV	3829	46234	0.59%	0.016%
105	9.251	9.236	9.270	VV	1700	22635	0.29%	0.008%
106	9.299	9.270	9.332	VV	10797	149374	1.92%	0.053%
107	9.372	9.332	9.477	VV	26607	425136	5.47%	0.150%
108	9.513	9.477	9.568	VV	613316	6641135	85.47%	2.342%
109	9.593	9.568	9.636	VV	1278	41282	0.53%	0.015%
110	9.655	9.636	9.720	VV	1288	30024	0.39%	0.011%
111	9.742	9.720	9.778	VV	611	12202	0.16%	0.004%
112	9.789	9.778	9.807	VV	285	3025	0.04%	0.001%
113	9.838	9.807	9.849	PV	788	12313	0.16%	0.004%
114	9.854	9.849	9.883	VV	717	8543	0.11%	0.003%
115	9.901	9.883	9.917	VV	726	7726	0.10%	0.003%
116	9.950	9.917	10.000	VV	1230	27449	0.35%	0.010%
117	10.021	10.000	10.035	VV	726	9525	0.12%	0.003%
118	10.054	10.035	10.078	VV	603	10049	0.13%	0.004%
119	10.086	10.078	10.124	VV	335	4099	0.05%	0.001%
120	10.151	10.124	10.164	PV	298	4679	0.06%	0.002%
121	10.196	10.164	10.221	VV	1536	24709	0.32%	0.009%
122	10.246	10.221	10.264	VV	10169	120954	1.56%	0.043%
123	10.289	10.264	10.364	VV	6202	131618	1.69%	0.046%
124	10.380	10.364	10.397	VV	336	4771	0.06%	0.002%
125	10.470	10.397	10.518	VV	698634	7307438	94.04%	2.577%
126	10.547	10.518	10.697	VV	649784	7348699	94.57%	2.592%
127	10.712	10.697	10.731	VV	1582	27214	0.35%	0.010%
128	10.750	10.731	10.794	VV	1924	47958	0.62%	0.017%
129	10.828	10.794	10.859	VV	5020	87488	1.13%	0.031%
130	10.892	10.859	10.910	VV	2077	39613	0.51%	0.014%
131	10.947	10.910	11.000	VV	595482	6657097	85.67%	2.348%
132	11.024	11.000	11.047	VV	2270	35227	0.45%	0.012%
133	11.062	11.047	11.081	VV	1295	16627	0.21%	0.006%
134	11.106	11.081	11.122	VV	3154	42779	0.55%	0.015%
135	11.133	11.122	11.164	VV	1379	21446	0.28%	0.008%
136	11.184	11.164	11.200	VV	2431	30416	0.39%	0.011%
137	11.241	11.200	11.276	VV	435223	4642125	59.74%	1.637%
138	11.287	11.276	11.311	VV	1389	21946	0.28%	0.008%
139	11.358	11.311	11.383	VV	4937	89971	1.16%	0.032%
140	11.405	11.383	11.424	VV	1453	30623	0.39%	0.011%
141	11.437	11.424	11.448	VV	1660	20754	0.27%	0.007%

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Parameters						Instrument :	
FID_D						ClientSampleId :	
5MSD						0.49% 0.013%	
142	11.466	11.448	11.509	VV	2063	37732	0.49%
143	11.519	11.509	11.531	VV	170	1331	0.013%
144	11.545	11.531	11.556	VV	148	1290	0.013%
145	11.612	11.556	11.619	PV	1177	18534	0.013%
146	11.639	11.619	11.668	VV	3572	52738	0.013%
147	11.711	11.668	11.726	VV	3891	74148	0.013%
148	11.740	11.726	11.758	VV	3856	50258	0.65%
149	11.771	11.758	11.785	VV	2567	32318	0.42%
150	11.793	11.785	11.811	VV	1984	23648	0.30%
151	11.863	11.811	11.925	VV	75590	947209	12.19%
152	11.937	11.925	11.976	VV	1446	29675	0.38%
153	11.995	11.976	12.017	VV	917	17938	0.23%
154	12.039	12.017	12.051	VV	892	15233	0.20%
155	12.070	12.051	12.087	VV	3868	50571	0.65%
156	12.104	12.087	12.128	VV	4493	58029	0.75%
157	12.164	12.128	12.183	VV	2865	62681	0.81%
158	12.248	12.183	12.261	VV	587682	6958266	89.55%
159	12.276	12.261	12.365	VV	643792	7200270	92.66%
160	12.385	12.365	12.408	VV	2439	40578	0.52%
161	12.430	12.408	12.445	VV	3604	45896	0.59%
162	12.463	12.445	12.523	VV	6743	123572	1.59%
163	12.570	12.523	12.600	VV	640536	7355501	94.66%
164	12.611	12.600	12.627	VV	12935	171927	2.21%
165	12.639	12.627	12.654	VV	10539	132046	1.70%
166	12.683	12.654	12.723	VV	294831	3423374	44.06%
167	12.752	12.723	12.795	VV	17627	218634	2.81%
168	12.855	12.795	12.903	VV	559712	6738672	86.72%
169	12.921	12.903	12.938	VV	4787	70378	0.91%
170	12.950	12.938	12.965	VV	3270	45241	0.58%
171	12.976	12.965	13.008	VV	2673	44448	0.57%
172	13.035	13.008	13.060	VV	15171	192930	2.48%
173	13.082	13.060	13.139	VV	17735	251941	3.24%
174	13.192	13.139	13.211	VV	2008	57226	0.74%
175	13.241	13.211	13.258	VV	1857	39192	0.50%
176	13.274	13.258	13.317	VV	2071	49363	0.64%
177	13.338	13.317	13.366	VV	1881	39077	0.50%
178	13.389	13.366	13.400	VV	1617	24622	0.32%
179	13.438	13.400	13.488	VV	532192	6481153	83.41%
180	13.505	13.488	13.513	VV	1700	21504	0.28%
181	13.561	13.513	13.584	VV	5543	153185	1.97%
182	13.616	13.584	13.648	VV	4597	79460	1.02%
183	13.657	13.648	13.744	VV	796	26504	0.34%
184	13.789	13.744	13.799	PV	1203	22014	0.28%
185	13.821	13.799	13.857	VV	4670	86243	1.11%
186	13.879	13.857	13.924	VV	2422	67374	0.87%
187	13.953	13.924	13.981	VV	15143	211860	2.73%
188	13.995	13.981	14.019	VV	2839	48318	0.62%
189	14.048	14.019	14.073	VV	2819	67296	0.87%
190	14.088	14.073	14.126	VV	2193	44495	0.57%
191	14.144	14.126	14.189	VV	1376	36624	0.47%
192	14.217	14.189	14.240	VV	2784	44067	0.57%
193	14.251	14.240	14.262	VV	1009	10690	0.14%
194	14.280	14.262	14.313	VV	938	22080	0.28%

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195	14.334	14.313	14.353	VV	862	15320	0.20%	0.005%
196	14.377	14.353	14.395	VV	1595	25001		
197	14.439	14.395	14.458	VV	554007	6929107	89.12%	2.360%
198	14.481	14.458	14.506	VV	564176	6811008	87.84%	2.407%
199	14.535	14.506	14.592	VV	518339	6575972	84.13%	2.306%
200	14.606	14.592	14.664	VV	2561	65519	0.39%	0.011%
201	14.685	14.664	14.737	VV	2192	55381	0.71%	0.020%
202	14.779	14.737	14.803	VV	3372	67156	0.86%	0.024%
203	14.837	14.803	14.855	VV	1569	35576	0.46%	0.013%
204	14.904	14.855	15.021	VV	46222	730154	9.40%	0.258%
205	15.051	15.021	15.077	VV	4308	78654	1.01%	0.028%
206	15.097	15.077	15.121	VV	3521	49124	0.63%	0.017%
207	15.145	15.121	15.166	VV	1934	32888	0.42%	0.012%
208	15.183	15.166	15.215	VV	1131	24136	0.31%	0.009%
209	15.228	15.215	15.239	VV	637	8043	0.10%	0.003%
210	15.263	15.239	15.329	VV	3546	87802	1.13%	0.031%
211	15.351	15.329	15.396	VV	1348	39937	0.51%	0.014%
212	15.421	15.396	15.451	VV	3749	63667	0.82%	0.022%
213	15.466	15.451	15.481	VV	1599	21159	0.27%	0.007%
214	15.499	15.481	15.514	VV	1353	24350	0.31%	0.009%
215	15.552	15.514	15.588	VV	485791	6186450	79.61%	2.182%
216	15.608	15.588	15.668	VV	3199	47626	0.61%	0.017%
217	15.703	15.668	15.740	PV	1000	23407	0.30%	0.008%
218	15.766	15.740	15.801	VV	753	18122	0.23%	0.006%
219	15.824	15.801	15.846	VV	1046	18759	0.24%	0.007%
220	15.912	15.846	15.953	VV	42460	652345	8.40%	0.230%
221	15.990	15.953	16.005	VV	531668	6691729	86.12%	2.360%
222	16.023	16.005	16.082	VV	546056	6826017	87.84%	2.407%
223	16.098	16.082	16.126	VV	4025	77775	1.00%	0.027%
224	16.152	16.126	16.215	VV	1812	63064	0.81%	0.022%
225	16.253	16.215	16.298	VV	4348	124476	1.60%	0.044%
226	16.312	16.298	16.330	VV	4859	56352	0.73%	0.020%
227	16.366	16.330	16.452	VV	495538	6537191	84.13%	2.306%
228	16.496	16.452	16.550	VV	465848	6241363	80.32%	2.201%
229	16.566	16.550	16.606	VV	6757	100122	1.29%	0.035%
230	16.643	16.606	16.669	VV	1002	30623	0.39%	0.011%
231	16.703	16.669	16.726	VV	1321	33991	0.44%	0.012%
232	16.734	16.726	16.743	VV	925	8958	0.12%	0.003%
233	16.765	16.743	16.777	VV	1272	22102	0.28%	0.008%
234	16.801	16.777	16.816	VV	1464	29812	0.38%	0.011%
235	16.849	16.816	16.911	VV	27756	472379	6.08%	0.167%
236	16.939	16.911	16.976	VV	14167	223305	2.87%	0.079%
237	17.019	16.976	17.041	VV	2091	60898	0.78%	0.021%
238	17.076	17.041	17.101	VV	1472	44688	0.58%	0.016%
239	17.120	17.101	17.135	VV	1316	22443	0.29%	0.008%
240	17.171	17.135	17.197	VV	1481	46504	0.60%	0.016%
241	17.219	17.197	17.238	VV	1452	31961	0.41%	0.011%
242	17.268	17.238	17.288	VV	6332	107000	1.38%	0.038%
243	17.301	17.288	17.313	VV	3182	43804	0.56%	0.015%
244	17.381	17.313	17.441	VV	446282	6245488	80.37%	2.203%
245	17.463	17.441	17.492	VV	10030	166914	2.15%	0.059%
246	17.541	17.492	17.552	VV	4140	106436	1.37%	0.038%

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Parameters									
247	17.571	17.552	17.618	VV	5954	146428	1.88%	0.052%	
248	17.735	17.618	17.750	VV	516311	7345681	94.40%	2.203%	
249	17.770	17.750	17.861	VV	516542	7404572	95.56%	2.203%	
250	17.884	17.861	17.948	VV	6389	236430	3.83%	0.105%	
251	17.986	17.948	18.083	VV	467946	6729975	86.92%	2.273%	
252	18.095	18.083	18.120	VV	6153	128946	1.93%	0.080%	
253	18.148	18.120	18.166	VV	10574	227542	2.93%	0.080%	
254	18.207	18.166	18.257	VV	447621	6247150	80.40%	2.203%	
255	18.297	18.257	18.353	VV	15519	457044	5.88%	0.161%	
256	18.368	18.353	18.401	VV	4876	123849	1.59%	0.044%	
257	18.433	18.401	18.449	VV	5597	132915	1.71%	0.047%	
258	18.519	18.449	18.532	VV	29268	599420	7.71%	0.211%	
259	18.549	18.532	18.585	VV	33976	736113	9.47%	0.260%	
260	18.599	18.585	18.657	VV	13674	457465	5.89%	0.161%	
261	18.678	18.657	18.723	VV	9433	297800	3.83%	0.105%	
262	18.741	18.723	18.758	VV	6342	119746	1.54%	0.042%	
263	18.786	18.758	18.813	VV	15116	316546	4.07%	0.112%	
264	18.824	18.813	18.842	VV	7117	113924	1.47%	0.040%	
265	18.854	18.842	18.879	VV	6706	127201	1.64%	0.045%	
266	18.905	18.879	18.923	VV	5290	128094	1.65%	0.045%	
267	18.986	18.923	19.067	VV	412663	6443388	82.92%	2.273%	
268	19.087	19.067	19.110	VV	10235	207735	2.67%	0.073%	
269	19.122	19.110	19.175	VV	6829	232566	2.99%	0.082%	
270	19.206	19.175	19.248	VV	10416	342191	4.40%	0.121%	
271	19.274	19.248	19.300	VV	26825	489842	6.30%	0.173%	
272	19.321	19.300	19.364	VV	15712	417550	5.37%	0.147%	
273	19.385	19.364	19.422	VV	9542	284651	3.66%	0.100%	
274	19.456	19.422	19.525	VV	7657	422025	5.43%	0.149%	
275	19.552	19.525	19.564	VV	6968	147287	1.90%	0.052%	
276	19.607	19.564	19.661	VV	23452	645900	8.31%	0.228%	
277	19.722	19.661	19.769	VV	386049	5879345	75.66%	2.074%	
278	19.779	19.769	19.798	VV	6392	107167	1.38%	0.038%	
279	19.855	19.798	19.900	VV	12316	503406	6.48%	0.178%	
280	19.915	19.900	19.944	VV	7039	175123	2.25%	0.062%	
281	19.983	19.944	20.027	VV	11601	462615	5.95%	0.163%	
282	20.055	20.027	20.077	VV	9389	254262	3.27%	0.090%	
283	20.101	20.077	20.152	VV	10985	365150	4.70%	0.129%	
284	20.220	20.152	20.241	VV	7192	342475	4.41%	0.121%	
285	20.261	20.241	20.280	VV	7529	166931	2.15%	0.059%	
286	20.335	20.280	20.368	VV	9419	413458	5.32%	0.146%	
287	20.419	20.368	20.467	VV	394407	6214574	79.98%	2.192%	
288	20.487	20.467	20.521	VV	14124	373871	4.81%	0.132%	
289	20.541	20.521	20.581	VV	9430	319379	4.11%	0.113%	
290	20.590	20.581	20.604	VV	8298	115597	1.49%	0.041%	
291	20.635	20.604	20.703	VV	11733	499096	6.42%	0.176%	
292	20.742	20.703	20.753	VV	8310	220345	2.84%	0.078%	
293	20.779	20.753	20.791	VV	9392	204124	2.63%	0.072%	
294	20.804	20.791	20.877	VV	9351	385700	4.96%	0.136%	
295	20.889	20.877	20.921	VV	6406	163818	2.11%	0.058%	
296	20.984	20.921	21.006	VV	6672	315868	4.06%	0.111%	
297	21.036	21.006	21.048	VV	7028	168264	2.17%	0.059%	
298	21.071	21.048	21.130	VV	8323	309154	3.98%	0.109%	
299	21.195	21.130	21.257	VV	276572	5589248	71.93%	1.971%	

Instrument :

FID_D

ClientSampleId :

5MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/03/2025

Supervised By :Ankita Jodhani 02/03/2025

300	21.276	21.257	21.314	VV	5125	165562	2.13%	0.058%
301	21.364	21.314	21.467	VV	8373	519686		
302	21.514	21.467	21.561	VV	5600	271729		
303	21.571	21.561	21.584	VV	4399	59108		
304	21.589	21.584	21.605	VV	4165	51214		
305	21.718	21.605	21.794	VV	6411	580100		
306	21.829	21.794	21.877	VV	4448	211088	2.72%	0.074%
307	21.915	21.877	21.980	VV	4398	235689	3.03%	0.083%
308	22.024	21.980	22.091	VV	3530	215221	2.77%	0.076%
309	22.097	22.091	22.151	VV	3013	104316	1.34%	0.037%
310	22.187	22.151	22.230	VV	3798	149701	1.93%	0.053%
311	22.245	22.230	22.338	VV	2560	141882	1.83%	0.050%
312	22.375	22.338	22.441	VV	2272	114607	1.47%	0.040%
313	22.472	22.441	22.534	VV	1662	78272	1.01%	0.028%
314	22.563	22.534	22.594	VV	1294	41292	0.53%	0.015%
315	22.606	22.594	22.617	VV	1078	13440	0.17%	0.005%
316	22.651	22.617	22.663	VV	1159	27667	0.36%	0.010%
317	22.779	22.663	22.920	VV	3403	261845	3.37%	0.092%
318	22.945	22.920	22.964	PV	446	7799	0.10%	0.003%
319	22.978	22.964	23.001	VBA	225	316	0.00%	0.000%
Sum of corrected areas:					283535277			

Instrument :

FID_D

ClientSampleId :

5MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025

Aliphatic EPH 012425.M Sat Feb 01 05:03:50 2025



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

Manual Integration Report

Sequence:

FD012425AL

Instrument

FID_d

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:

FD013125AL

Instrument

FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FD049020.D	n-Octatriacontane (C38)	yogesh	2/3/2025 9:22:07 AM	Ankita	2/3/2025 1:11:38	Peak Integrated by Software
PP24161	FD049021.D	n-Tetracosane (C24)	yogesh	2/3/2025 9:22:09 AM	Ankita	2/3/2025 1:11:40	Peak Integrated by Software
PB166432BL	FD049024.D	1-chlorooctadecane (SURR)	yogesh	2/3/2025 9:22:10 AM	Ankita	2/3/2025 1:11:41	Peak Integrated by Software
PB166432BS	FD049025.D	n-Tetracosane (C24)	yogesh	2/3/2025 9:22:12 AM	Ankita	2/3/2025 1:11:42	Peak Integrated by Software
PB166432BSD	FD049026.D	n-Tetracosane (C24)	yogesh	2/3/2025 9:22:13 AM	Ankita	2/3/2025 1:11:44	Peak Integrated by Software
Q1236-07MS	FD049032.D	n-Tetracosane (C24)	yogesh	2/3/2025 9:22:15 AM	Ankita	2/3/2025 1:11:45	Peak Integrated by Software
Q1236-07MSD	FD049033.D	n-Tetracosane (C24)	yogesh	2/3/2025 9:22:17 AM	Ankita	2/3/2025 1:11:47	Peak Integrated by Software



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

Manual Integration Report

Sequence:

FD020325AL

Instrument

FID_d

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD012425AL

Review By	yogesh	Review On	1/24/2025 1:32:21 PM
Supervise By	Ankita	Supervise On	1/27/2025 9:09:23 AM
SubDirectory	FD012425AL	HP Acquire Method	HP Processing Method FD012425AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23644,PP23646,PP23647,PP23648,PP23649		
CCC Internal Standard/PEM	PP23647		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP23645,PP23650		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FD048953.D	24 Jan 2025 13:36	YP/AJ	Ok
2	I.BLK	FD048954.D	24 Jan 2025 14:12	YP/AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FD048955.D	24 Jan 2025 14:50	YP/AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FD048956.D	24 Jan 2025 15:26	YP/AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FD048957.D	24 Jan 2025 16:03	YP/AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FD048958.D	24 Jan 2025 16:39	YP/AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FD048959.D	24 Jan 2025 17:17	YP/AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FD048960.D	24 Jan 2025 17:53	YP/AJ	Ok
9	I.BLK	FD048961.D	24 Jan 2025 19:06	YP/AJ	Ok
10	20 PPM ALIPHATIC HC STD	FD048962.D	24 Jan 2025 19:43	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD013125AL

Review By	yogesh	Review On	1/31/2025 3:17:36 PM
Supervise By	Ankita	Supervise On	2/3/2025 1:11:51 PM
SubDirectory	FD013125AL	HP Acquire Method	HP Processing Method FD012425AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23644,PP23646,PP23647,PP23648,PP23649		
CCC Internal Standard/PEM	PP23647		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP23645,PP23650		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FD049018.D	31 Jan 2025 08:34	YP/AJ	Ok
2	I.BLK	FD049019.D	31 Jan 2025 09:10	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FD049020.D	31 Jan 2025 09:47	YP/AJ	Ok,M
4	PP24161	FD049021.D	31 Jan 2025 10:24	YP/AJ	Ok,M
5	I.BLK	FD049022.D	31 Jan 2025 11:39	YP/AJ	Ok
6	20 PPM ALIPHATIC HC STD	FD049023.D	31 Jan 2025 12:15	YP/AJ	Ok
7	PB166432BL	FD049024.D	31 Jan 2025 15:29	YP/AJ	Ok,M
8	PB166432BS	FD049025.D	31 Jan 2025 16:05	YP/AJ	Ok,M
9	PB166432BSD	FD049026.D	31 Jan 2025 16:42	YP/AJ	Ok,M
10	Q1236-03	FD049027.D	31 Jan 2025 17:19	YP/AJ	ReRun
11	Q1236-04	FD049028.D	31 Jan 2025 17:55	YP/AJ	ReRun
12	Q1236-05	FD049029.D	31 Jan 2025 18:31	YP/AJ	ReRun
13	Q1236-06	FD049030.D	31 Jan 2025 19:08	YP/AJ	ReRun
14	Q1236-07	FD049031.D	31 Jan 2025 19:44	YP/AJ	Ok
15	Q1236-07MS	FD049032.D	31 Jan 2025 20:21	YP/AJ	Ok,M
16	Q1236-07MSD	FD049033.D	31 Jan 2025 20:58	YP/AJ	Ok,M
17	I.BLK	FD049034.D	31 Jan 2025 22:12	YP/AJ	Ok
18	20 PPM ALIPHATIC HC STD	FD049035.D	31 Jan 2025 22:49	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD020325AL

Review By	yogesh	Review On	2/3/2025 12:27:02 PM
Supervise By	Ankita	Supervise On	2/4/2025 9:00:41 AM
SubDirectory	FD020325AL	HP Acquire Method	HP Processing Method FD012425AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23644,PP23646,PP23647,PP23648,PP23649		
CCC Internal Standard/PEM	PP23647		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP23645,PP23650		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FD049036.D	03 Feb 2025 08:53	YP/AJ	Ok
2	I.BLK	FD049037.D	03 Feb 2025 09:28	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FD049038.D	03 Feb 2025 10:44	YP/AJ	Ok
4	Q1236-03	FD049039.D	03 Feb 2025 11:21	YP/AJ	Ok
5	Q1236-04	FD049040.D	03 Feb 2025 11:57	YP/AJ	Ok
6	Q1236-05	FD049041.D	03 Feb 2025 12:34	YP/AJ	Ok
7	Q1236-06	FD049042.D	03 Feb 2025 13:11	YP/AJ	Ok
8	I.BLK	FD049043.D	03 Feb 2025 13:48	YP/AJ	Ok
9	20 PPM ALIPHATIC HC STD	FD049044.D	03 Feb 2025 14:24	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD012425AL

Review By	yogesh	Review On	1/24/2025 1:32:21 PM
Supervise By	Ankita	Supervise On	1/27/2025 9:09:23 AM
SubDirectory	FD012425AL	HP Acquire Method	HP Processing Method FD012425AL

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP23644,PP23646,PP23647,PP23648,PP23649
CCC Internal Standard/PEM	PP23647
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP23645,PP23650

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD048953.D	24 Jan 2025 13:36		YP/AJ	Ok
2	I.BLK	I.BLK	FD048954.D	24 Jan 2025 14:12		YP/AJ	Ok
3	100 PPM ALIPHATIC HC	100 PPM ALIPHATIC HC	FD048955.D	24 Jan 2025 14:50		YP/AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FD048956.D	24 Jan 2025 15:26		YP/AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FD048957.D	24 Jan 2025 16:03		YP/AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FD048958.D	24 Jan 2025 16:39		YP/AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FD048959.D	24 Jan 2025 17:17		YP/AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FD048960.D	24 Jan 2025 17:53		YP/AJ	Ok
9	I.BLK	I.BLK	FD048961.D	24 Jan 2025 19:06		YP/AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FD048962.D	24 Jan 2025 19:43		YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD013125AL

Review By	yogesh	Review On	1/31/2025 3:17:36 PM
Supervise By	Ankita	Supervise On	2/3/2025 1:11:51 PM
SubDirectory	FD013125AL	HP Acquire Method	HP Processing Method
			FD012425AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23644,PP23646,PP23647,PP23648,PP23649		
CCC	PP23647		
Internal Standard/PEM			
ICV/I.BLK	PP23645,PP23650		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD049018.D	31 Jan 2025 08:34		YP/AJ	Ok
2	I.BLK	I.BLK	FD049019.D	31 Jan 2025 09:10		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FD049020.D	31 Jan 2025 09:47		YP/AJ	Ok,M
4	PP24161	PP24161	FD049021.D	31 Jan 2025 10:24		YP/AJ	Ok,M
5	I.BLK	I.BLK	FD049022.D	31 Jan 2025 11:39		YP/AJ	Ok
6	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FD049023.D	31 Jan 2025 12:15		YP/AJ	Ok
7	PB166432BL	PB166432BL	FD049024.D	31 Jan 2025 15:29		YP/AJ	Ok,M
8	PB166432BS	PB166432BS	FD049025.D	31 Jan 2025 16:05		YP/AJ	Ok,M
9	PB166432BSD	PB166432BSD	FD049026.D	31 Jan 2025 16:42		YP/AJ	Ok,M
10	Q1236-03	Q1236-03	FD049027.D	31 Jan 2025 17:19	Surr Fail	YP/AJ	ReRun
11	Q1236-04	Q1236-04	FD049028.D	31 Jan 2025 17:55	Surr Fail	YP/AJ	ReRun
12	Q1236-05	Q1236-05	FD049029.D	31 Jan 2025 18:31	Surr Fail	YP/AJ	ReRun
13	Q1236-06	Q1236-06	FD049030.D	31 Jan 2025 19:08	Surr Fail	YP/AJ	ReRun
14	Q1236-07	5	FD049031.D	31 Jan 2025 19:44		YP/AJ	Ok
15	Q1236-07MS	5MS	FD049032.D	31 Jan 2025 20:21	FD049031.D	YP/AJ	Ok,M
16	Q1236-07MSD	5MSD	FD049033.D	31 Jan 2025 20:58	FD049031.D!FD049032.D	YP/AJ	Ok,M
17	I.BLK	I.BLK	FD049034.D	31 Jan 2025 22:12		YP/AJ	Ok
18	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FD049035.D	31 Jan 2025 22:49		YP/AJ	Ok

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD013125AL

Review By	yogesh	Review On	1/31/2025 3:17:36 PM	
Supervise By	Ankita	Supervise On	2/3/2025 1:11:51 PM	
SubDirectory	FD013125AL	HP Acquire Method	HP Processing Method	FD012425AL
STD. NAME	STD REF.#			
Tune/Reschk Initial Calibration Stds	PP23644,PP23646,PP23647,PP23648,PP23649			
CCC Internal Standard/PEM	PP23647			
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP23645,PP23650			

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD020325AL

Review By	yogesh	Review On	2/3/2025 12:27:02 PM
Supervise By	Ankita	Supervise On	2/4/2025 9:00:41 AM
SubDirectory	FD020325AL	HP Acquire Method	HP Processing Method FD012425AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23644,PP23646,PP23647,PP23648,PP23649		
CCC	PP23647		
Internal Standard/PEM			
ICV/I.BLK	PP23645,PP23650		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD049036.D	03 Feb 2025 08:53		YP/AJ	Ok
2	I.BLK	I.BLK	FD049037.D	03 Feb 2025 09:28		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FD049038.D	03 Feb 2025 10:44		YP/AJ	Ok
4	Q1236-03	1	FD049039.D	03 Feb 2025 11:21		YP/AJ	Ok
5	Q1236-04	2	FD049040.D	03 Feb 2025 11:57		YP/AJ	Ok
6	Q1236-05	3	FD049041.D	03 Feb 2025 12:34		YP/AJ	Ok
7	Q1236-06	4	FD049042.D	03 Feb 2025 13:11		YP/AJ	Ok
8	I.BLK	I.BLK	FD049043.D	03 Feb 2025 13:48		YP/AJ	Ok
9	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FD049044.D	03 Feb 2025 14:24		YP/AJ	Ok

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 2/3/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:35
In Date: 01/31/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:40
Out Date: 02/01/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB134497

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
Q1236-01	WASTE	17	1.14	8.55	9.69	8.12	81.6	
Q1236-02	VOC	18	1.13	8.71	9.84	8.3	82.3	
Q1236-03	1	19	1.17	8.50	9.67	8.2	82.7	
Q1236-04	2	20	1.17	8.60	9.77	8.2	81.7	
Q1236-05	3	21	1.15	8.84	9.99	8.35	81.4	
Q1236-06	4	22	1.16	8.53	9.69	8.24	83.0	
Q1236-07	5	23	1.15	8.82	9.97	8.48	83.1	
Q1241-01	JPP-3.5-013025	1	1.15	8.58	9.73	8.41	84.6	
Q1241-03	JPP-3.5-013025	2	1.12	8.76	9.88	8.3	82.0	
Q1241-05	JPP-5.3-013025	3	1.15	8.43	9.58	8.68	89.3	
Q1241-07	JPP-5.3-013025	4	1.11	8.77	9.88	8.81	87.8	
Q1241-09	JPP-5.2-013025	5	1.15	8.59	9.74	8.65	87.3	
Q1241-11	JPP-5.2-013025	6	1.12	8.41	9.53	8.58	88.7	
Q1241-13	JPP-5.4-013025	7	1.16	8.66	9.82	8.69	87.0	
Q1241-15	JPP-5.4-013025	8	1.18	8.45	9.63	8.5	86.6	
Q1241-17	JPP-51.4-013025	9	1.14	8.55	9.69	9.12	93.3	
Q1241-19	JPP-51.4-013025	10	1.16	8.51	9.67	9.09	93.2	
Q1242-01	JPP-6.2-013025	11	1.15	8.80	9.95	8.32	81.5	
Q1242-03	JPP-6.2-013025	12	1.13	8.60	9.73	8.11	81.2	
Q1243-01	CL-01-01302025	13	1.16	8.40	9.56	9.12	94.8	
Q1243-02	CL-01-01302025-E2	14	1.13	8.70	9.83	9.36	94.6	
Q1244-01	EO-02-01302025	15	1.18	8.71	9.89	9.36	93.9	
Q1244-02	EO-02-01302025-E2	16	1.12	8.80	9.92	9.42	94.3	
Q1254-01	OK-02-01312025	24	1.16	8.40	9.56	8.48	87.1	
Q1254-02	OK-02-01312025-E2	25	1.15	8.83	9.98	9.6	95.7	
Q1257-01	013025	42	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1258-01	112224A	43	1.00	1.00	2.00	2.00	100.0	debris
Q1259-01	12825	44	1.14	8.70	9.84	8.7	86.9	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 2/3/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:35
In Date: 01/31/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:40
Out Date: 02/01/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB134497

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
Q1260-01	12925-A	45	1.00	1.00	2.00	2.00	100.0	debris
Q1260-02	12925-BC	46	1.16	8.42	9.58	9.2	95.5	
Q1261-01	CHRT-20430	47	1.14	8.43	9.57	5.86	56.0	
Q1261-02	CHRT-20430-E2	48	1.12	8.77	9.89	5.93	54.8	
Q1262-01	ETGI-371	49	1.15	8.70	9.85	8.64	86.1	
Q1262-02	ETGI-371-E2	50	1.16	8.82	9.98	8.78	86.4	
Q1262-03	CONCRETE-PAD	51	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
Q1262-04	CONCRETE-PAD-E2	52	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
Q1262-05	3762	53	1.00	1.00	2.00	2.00	100.0	debris
Q1263-01	KMA9027-1-1	54	1.00	1.00	2.00	2.00	100.0	oilc
Q1263-02	KMA9027-1-2	55	1.00	1.00	2.00	2.00	100.0	oilc
Q1263-03	BC274653-1-1	56	1.00	1.00	2.00	2.00	100.0	oilc
Q1263-04	BC274653-1-2	57	1.00	1.00	2.00	2.00	100.0	oilc
Q1264-01	AUD-1606	26	1.18	8.62	9.8	9.63	98.0	
Q1264-02	AUD-25-0008	27	1.11	8.71	9.82	7.77	76.5	
Q1265-01	AUD-25-0006	28	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1267-01	TRE-25-0003	29	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1267-02	TRE-25-0009	30	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1267-03	TRE-25-0011	31	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1268-05	SVOC-GPC-BLANK	32	1.00	1.00	2.00	2.00	100.0	
Q1268-06	PEST-GPC-BLANK	33	1.00	1.00	2.00	2.00	100.0	
Q1268-07	PEST-GPC-BLANK-SPIKE	34	1.00	1.00	2.00	2.00	100.0	
Q1268-08	PCB-GPC-BLANK	35	1.00	1.00	2.00	2.00	100.0	
Q1268-09	PCB-GPC-BLANK-SPIKE	36	1.00	1.00	2.00	2.00	100.0	
Q1268-10	SVOC-GPC2-BLANK	37	1.00	1.00	2.00	2.00	100.0	
Q1268-11	PEST-GPC2-BLANK	38	1.00	1.00	2.00	2.00	100.0	
Q1268-12	PEST-GPC2-BLANK-SPIKE	39	1.00	1.00	2.00	2.00	100.0	
Q1268-13	PCB-GPC2-BLANK	40	1.00	1.00	2.00	2.00	100.0	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 2/3/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:35
In Date: 01/31/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:40
Out Date: 02/01/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB134497

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
Q1268-14	PCB-GPC2-BLANK-SPIKE	41	1.00	1.00	2.00	2.00	100.0	
Q1269-01	VNJ-231	58	1.17	8.81	9.98	9.00	88.9	
Q1269-02	VNJ-231-E2	59	1.12	8.86	9.98	9.1	90.1	
Q1270-01	BC247799-1-1	60	1.00	1.00	2.00	2.00	100.0	oilc
Q1270-02	BC247799-1-2	61	1.00	1.00	2.00	2.00	100.0	oilc
Q1270-03	BC274768-1-1	62	1.00	1.00	2.00	2.00	100.0	oilc
Q1270-04	BC274768-1-2	63	1.00	1.00	2.00	2.00	100.0	oilc
Q1270-05	BC274768-2-1	64	1.00	1.00	2.00	2.00	100.0	oilc
Q1270-06	BC274768-2-2	65	1.00	1.00	2.00	2.00	100.0	oilc
Q1271-01	RBR200030	66	1.12	8.74	9.86	8.87	88.7	
Q1271-02	RBR200030-E2	67	1.17	8.53	9.7	9.02	92.0	
Q1271-03	3189-3196	68	1.00	1.00	2.00	2.00	100.0	oil sample

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

2134497

WorkList Name : %1-013125

WorkList ID : 187328

Department : Wet-Chemistry

Date : 01-31-2025 07:56:55

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1236-01	WASTE	Solid	Percent Solids	Cool 4 deg C	SCIA01	E11	01/30/2025	Chemtech -SO
Q1236-02	VOC	Solid	Percent Solids	Cool 4 deg C	SCIA01	E11	01/30/2025	Chemtech -SO
Q1236-03	1	Solid	Percent Solids	Cool 4 deg C	SCIA01	E11	01/30/2025	Chemtech -SO
Q1236-04	2	Solid	Percent Solids	Cool 4 deg C	SCIA01	E11	01/30/2025	Chemtech -SO
Q1236-05	3	Solid	Percent Solids	Cool 4 deg C	SCIA01	E11	01/30/2025	Chemtech -SO
Q1236-06	4	Solid	Percent Solids	Cool 4 deg C	SCIA01	E11	01/30/2025	Chemtech -SO
Q1236-07	5	Solid	Percent Solids	Cool 4 deg C	SCIA01	E11	01/30/2025	Chemtech -SO
Q1241-01	JPP-3.5-013025	Solid	Percent Solids	Cool 4 deg C	SCIA01	E11	01/30/2025	Chemtech -SO
Q1241-03	JPP-3.5-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1241-05	JPP-5.3-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1241-07	JPP-5.3-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1241-09	JPP-5.2-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1241-11	JPP-5.2-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1241-13	JPP-5.4-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1241-15	JPP-5.4-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1241-17	JPP-5.1.4-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1241-19	JPP-5.1.4-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1242-01	JPP-6.2-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1242-03	JPP-6.2-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1243-01	CL-01-01302025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1243-02	CL-01-01302025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	N41	01/30/2025	Chemtech -SO

Date/Time 01/31/25 16:10
 Raw Sample Received by: JO GDC
 Raw Sample Relinquished by: RS C E A T - 1 a b

Date/Time 01/31/25 17:50
 Raw Sample Received by: RS C E A T - 1 a b
 Raw Sample Relinquished by: JO GDC

WORKLIST(Hardcopy Internal Chain)

13497

WorkList Name : %1-013125

WorkList ID : 187328

Department : Wet-Chemistry

Date : 01-31-2025 07:56:55

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1244-01	EO-02-01302025	Solid	Percent Solids	Cool 4 deg C	PSEG05	N51	01/30/2025	Chemtech -SO
Q1244-02	EO-02-01302025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	N51	01/30/2025	Chemtech -SO
Q1254-01	OK-02-01312025	Solid	Percent Solids	Cool 4 deg C	PSEG05	N41	01/31/2025	Chemtech -SO
Q1254-02	OK-02-01312025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	N41	01/31/2025	Chemtech -SO
Q1257-01	013025	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1258-01	112224A	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1259-01	12825	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1260-01	12925-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	01/31/2025	Chemtech -SO
Q1260-02	12925-BC	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	01/31/2025	Chemtech -SO
Q1261-01	CHRT-20430	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	01/31/2025	Chemtech -SO
Q1261-02	CHRT-20430-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	01/31/2025	Chemtech -SO
Q1262-01	ETGI-371	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1262-02	ETGI-371-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1262-03	CONCRETE-PAD	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1262-04	CONCRETE-PAD-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1262-05	3762	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1263-01	KMA9027-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	N11	01/31/2025	Chemtech -SO
Q1263-02	KMA9027-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N11	01/31/2025	Chemtech -SO
Q1263-03	BC274653-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	N11	01/31/2025	Chemtech -SO
Q1263-04	BC274653-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N11	01/31/2025	Chemtech -SO
Q1264-01	AUD-1606	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	01/31/2025	Chemtech -SO

Date/Time 01/31/25 16:10

Raw Sample Received by: SA wdcj

Raw Sample Relinquished by: RJ c.EXT-1061

Date/Time 01/31/25

Raw Sample Received by: RJ c.EXT-1061

Raw Sample Relinquished by: SA wdcj

WORKLIST(Hardcopy Internal Chain)

134497

WorkList Name : %1-013125

WorkList ID : 187328

Department : Wet-Chemistry

Date : 01-31-2025 07:56:55

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1264-02	AUD-25-0008	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	01/31/2025	Chemtech -SO
Q1265-01	AUD-25-0006	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1267-01	TRE-25-0003	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1267-02	TRE-25-0009	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1267-03	TRE-25-0011	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1268-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	01/31/2025	Chemtech -SO
Q1268-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	01/31/2025	Chemtech -SO
Q1268-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	01/31/2025	Chemtech -SO
Q1268-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	01/31/2025	Chemtech -SO
Q1268-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	01/31/2025	Chemtech -SO
Q1268-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	01/31/2025	Chemtech -SO
Q1268-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	01/31/2025	Chemtech -SO
Q1268-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	01/31/2025	Chemtech -SO
Q1268-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	01/31/2025	Chemtech -SO
Q1268-14	PCB-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	01/31/2025	Chemtech -SO
Q1269-01	VNJ-231	Solid	Percent Solids	Cool 4 deg C	PSEG03	D11	01/31/2025	Chemtech -SO
Q1269-02	VNJ-231-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D11	01/31/2025	Chemtech -SO
Q1270-01	BC247799-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	01/31/2025	Chemtech -SO
Q1270-02	BC247799-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	01/31/2025	Chemtech -SO
Q1270-03	BC247768-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	01/31/2025	Chemtech -SO
Q1270-04	BC247768-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	01/31/2025	Chemtech -SO

Date/Time 01/31/25 16:10
 Raw Sample Received by: SA WOC
 Raw Sample Relinquished by: RS (EST-1264)

Date/Time 01/31/25 17:50
 Raw Sample Received by: RS (EST-1264)
 Raw Sample Relinquished by: SA WOC

WORKLIST(Hardcopy Internal Chain)

1234567

WorkList Name : %1-013125

WorkList ID : 187328

Department : Wet-Chemistry

Date : 01-31-2025 07:56:55

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1270-05	BC274768-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	01/31/2025	Chemtech -SO
Q1270-06	BC274768-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	01/31/2025	Chemtech -SO
Q1271-01	RBR200030	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	01/31/2025	Chemtech -SO
Q1271-02	RBR200030-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	01/31/2025	Chemtech -SO
Q1271-03	3189-3196	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	01/31/2025	Chemtech -SO

Date/Time 01/31/25 16:10
 Raw Sample Received by: J8 WPC
 Raw Sample Relinquished by: RJ C-ET-106

Date/Time 01/31/25 17:50
 Raw Sample Received by: RJ C-ET-106
 Raw Sample Relinquished by: J8 WPC

SOP ID:	MNJDEP-EPH-7		
Clean Up SOP #:	N/A	Extraction Start Date :	01/31/2025
Matrix :	Solid	Extraction Start Time :	12:05
Weigh By:	EH	Extraction By:	RJ
Balance check:	RJ	Filter By:	RJ
Balance ID:	EX-SC-2	Extraction End Date :	01/31/2025
pH Strip Lot#:	N/A	Extraction End Time :	15:05
		Concentration By:	EH
		Supervisor By :	rajesh
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	PP24092
Surrogate	1.0ML	100 PPM	PP24119
N/A	N/A	N/A	N/A
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	EP2578
Baked Na2SO4	N/A	EP2580
Sand	N/A	E2865
Methylene Chloride	N/A	E3874
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vial Lot # 2210673.

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

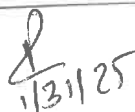
Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
01/31/25	RP (Env Lab)	Y.P. Pestil
15:10	Preparation Group	Analysis Group

Analytical Method: MNJDEP-EPH-7

Concentration Date: 01/31/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB166432BL	PB166432BL	EPH_F2	30.01	N/A	ritesh	Evelyn	2			U6-1
PB166432BS	PB166432BS	EPH_F2	30.03	N/A	ritesh	Evelyn	2			2
PB166432BSD	PB166432BSD	EPH_F2	30.02	N/A	ritesh	Evelyn	2			3
Q1236-03	1	EPH_F2	30.06	N/A	ritesh	Evelyn	2			4
Q1236-04	2	EPH_F2	30.08	N/A	ritesh	Evelyn	2			5
Q1236-05	3	EPH_F2	30.05	N/A	ritesh	Evelyn	2			6
Q1236-06	4	EPH_F2	30.03	N/A	ritesh	Evelyn	2			U7-1
Q1236-07	5	EPH_F2	30.02	N/A	ritesh	Evelyn	2			2
Q1236-07MS	5MS	EPH_F2	30.06	N/A	ritesh	Evelyn	2			3
Q1236-07MS D	5MSD	EPH_F2	30.08	N/A	ritesh	Evelyn	2			4

* Extracts relinquished on the same date as received.



100432
12305 PL

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1236

WorkList ID : 187359

Department : Extraction

Date : 01-31-2025 12:00:07

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1236-01	WASTE	Solid	TPH GC	Cool 4 deg C	SCIA01	E11	01/30/2025	8015D
Q1236-03	1	Solid	EPH_F2	Cool 4 deg C	SCIA01	E11	01/30/2025	NUEPH
Q1236-04	2	Solid	EPH_F2	Cool 4 deg C	SCIA01	E11	01/30/2025	NUEPH
Q1236-05	3	Solid	EPH_F2	Cool 4 deg C	SCIA01	E11	01/30/2025	NUEPH
Q1236-06	4	Solid	EPH_F2	Cool 4 deg C	SCIA01	E11	01/30/2025	NUEPH
Q1236-07	5	Solid	EPH_F2	Cool 4 deg C	SCIA01	E11	01/30/2025	NUEPH

Date/Time

01/31/25 12:02

Raw Sample Received by:

PJ (Got 1st)

Raw Sample Relinquished by:

PJ (501)

Date/Time

01/31/25 12:20

Raw Sample Received by:

PJ (501)

Raw Sample Relinquished by:

PJ (501)

Prep Standard - Chemical Standard Summary

Order ID : Q1236

Test : EPH_F2

Prepbatch ID : PB166432,

Sequence ID/Qc Batch ID: FC020325AL,FD013125AL,FD020325AL,

Standard ID :

EP2578,EP2580,PP23644,PP23645,PP23646,PP23647,PP23648,PP23649,PP23650,PP24092,PP24119,

Chemical ID :

E2865,E3551,E3789,E3846,E3848,E3874,P12362,P12972,P13017,P13278,P13595,P13597,P13598,P13607,P13636,P13652,P13654,P13661,P13685,P13801,P13806,P13810,P13812,P13813,P13814,P13815,P13823,P13824,P13835,P13837,P13838,P13841,P13847,P13848,P13849,P13852,P13853,P13854,

Extractions STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2017	1:1 ACETONE/METHYLENE CHLORIDE	EP2578	01/06/2025	06/18/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 01/06/2025

FROM 8000.00000ml of E3846 + 8000.00000ml of E3848 = Final Quantity: 16000.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3923	Baked Sodium Sulfate	EP2580	01/17/2025	07/01/2025	Rajesh Parikh	Extraction_SC ALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 01/17/2025

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
781	100 PPM Aliphatic HC Working STD (Restek)	PP23644	09/09/2024	02/13/2025	Yogesh Patel	None	None	Ankita Jodhani
								09/10/2024

FROM 0.25000ml of P12972 + 0.25000ml of P13017 + 1.25000ml of P12362 + 23.25000ml of E3789 = Final Quantity: 25.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2900	100 PPM Aliphatic HC STD (Absolute)	PP23645	09/09/2024	02/13/2025	Yogesh Patel	None	None	Ankita Jodhani
								09/10/2024

FROM 0.25000ml of P12972 + 0.25000ml of P13017 + 2.50000ml of P13278 + 22.00000ml of E3789 = Final Quantity: 25.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
783	50 PPM Aliphatic HC STD	PP23646	09/09/2024	02/13/2025	Yogesh Patel	None	None	Ankita Jodhani
								09/10/2024

FROM 0.50000ml of E3789 + 0.50000ml of PP23644 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
784	20 PPM Aliphatic HC STD	PP23647	09/09/2024	02/13/2025	Yogesh Patel	None	None	Ankita Jodhani
								09/10/2024

FROM 0.80000ml of E3789 + 0.20000ml of PP23644 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
785	10 PPM Aliphatic HC STD	PP23648	09/09/2024	02/13/2025	Yogesh Patel	None	None	Ankita Jodhani
09/10/2024								

FROM 0.90000ml of E3789 + 0.10000ml of PP23644 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
786	5 PPM Aliphatic HC STD	PP23649	09/09/2024	02/13/2025	Yogesh Patel	None	None	Ankita Jodhani
09/10/2024								

FROM 0.90000ml of E3789 + 0.10000ml of PP23646 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2901	20 PPM Aliphatic HC STD ICV (Absolute)	PP23650	09/09/2024	02/13/2025	Yogesh Patel	None	None	Ankita Jodhani
								09/10/2024

FROM 0.80000ml of E3789 + 0.20000ml of PP23645 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1330	100 PPM NJEPH Spike Solution	PP24092	12/18/2024	06/18/2025	Yogesh Patel	None	None	Ankita Jodhani
								12/18/2024

FROM 5.00000ml of P13636 + 5.00000ml of P13801 + 5.00000ml of P13806 + 5.00000ml of P13810 + 5.00000ml of P13812 + 5.00000ml of P13813 + 5.00000ml of P13814 + 5.00000ml of P13815 + 5.00000ml of P13823 + 5.00000ml of P13824 + 5.00000ml of P13835 + 5.00000ml of P13837 + 5.00000ml of P13838 + 5.00000ml of P13841 + 5.00000ml of P13847 + 5.00000ml of P13848 + 5.00000ml of P13849 + 5.00000ml of P13852 + 5.00000ml of P13853 + 5.00000ml of P13854 = Final Quantity: 100.000 ml



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1339	100 PPM NJEPH Surrogate Spike	PP24119	01/16/2025	06/26/2025	Yogesh Patel	None	None	Ankita Jodhani 01/16/2025
<u>FROM</u>	1.25000ml of P13595 + 1.25000ml of P13597 + 1.25000ml of P13598 + 1.25000ml of P13607 + 1.25000ml of P13652 + 1.25000ml of P13654 + 1.25000ml of P13661 + 1.25000ml of P13685 + 490.00000ml of E3846 = Final Quantity: 200.000 ml							

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	0000243821	06/30/2025	04/30/2020 / RAJESH	04/28/2020 / RAJESH	E2865

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	07/01/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24C1862008	02/13/2025	08/13/2024 / Rajesh	08/13/2024 / Rajesh	E3789

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	06/26/2025	12/26/2024 / Rajesh	12/13/2024 / Rajesh	E3846

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24K1762005	06/18/2025	12/18/2024 / Rajesh	12/09/2024 / Rajesh	E3848

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25A0262002	07/30/2025	01/30/2025 / Rajesh	01/20/2025 / Rajesh	E3874

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30540 / Custom NJEPH Aliphatics Calibration Standard	A0190424	03/09/2025	09/09/2024 / yogesh	03/16/2023 / Yogesh	P12362

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31098 / 1-Chlorooctadecane Standard	A0204989	03/09/2025	09/09/2024 / yogesh	12/20/2023 / Yogesh	P12972

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31097 / o-Terphenyl Standard	A0204177	03/09/2025	09/09/2024 / yogesh	12/21/2023 / Yogesh	P13017

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95899 / NJ EPH Aliphatic n-Hydrocarbons-Revised, 1000 PPM	040524	03/09/2025	09/09/2024 / yogesh	04/11/2024 / yogesh	P13278

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31098 / 1-Chlorooctadecane Standard	A0213283	01/16/2026	01/16/2025 / yogesh	10/16/2024 / yogesh	P13595

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31098 / 1-Chlorooctadecane Standard	A0213283	01/16/2026	01/16/2025 / yogesh	10/16/2024 / yogesh	P13597

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31098 / 1-Chlorooctadecane Standard	A0213283	01/16/2026	01/16/2025 / yogesh	10/16/2024 / yogesh	P13598

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31098 / 1-Chlorooctadecane Standard	A0213283	01/16/2026	01/16/2025 / yogesh	10/16/2024 / yogesh	P13607

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30542 / Custom NJEPH Aliphatics Matrix Spike Mix	A0211112	06/18/2025	12/18/2024 / yogesh	10/16/2024 / yogesh	P13636

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31097 / o-Terphenyl Standard	A0216631	01/16/2026	01/16/2025 / yogesh	10/16/2024 / yogesh	P13652

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31097 / o-Terphenyl Standard	A0216631	01/16/2026	01/16/2025 / yogesh	10/16/2024 / yogesh	P13654

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31097 / o-Terphenyl Standard	A0216631	01/16/2026	01/16/2025 / yogesh	10/16/2024 / yogesh	P13661

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31097 / o-Terphenyl Standard	A0216631	01/16/2026	01/16/2025 / yogesh	10/16/2024 / yogesh	P13685

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30542 / Custom NJEPH Aliphatics Matrix Spike Mix	A0217408	06/18/2025	12/18/2024 / yogesh	12/09/2024 / yogesh	P13801

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30542 / Custom NJEPH Aliphatics Matrix Spike Mix	A0217408	06/18/2025	12/18/2024 / yogesh	12/09/2024 / yogesh	P13806

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30542 / Custom NJEPH Aliphatics Matrix Spike Mix	A0217408	06/18/2025	12/18/2024 / yogesh	12/09/2024 / yogesh	P13810

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30542 / Custom NJEPH Aliphatics Matrix Spike Mix	A0217408	06/18/2025	12/18/2024 / yogesh	12/09/2024 / yogesh	P13812

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30542 / Custom NJEPH Aliphatics Matrix Spike Mix	A0217408	06/18/2025	12/18/2024 / yogesh	12/09/2024 / yogesh	P13813

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30542 / Custom NJEPH Aliphatics Matrix Spike Mix	A0217408	06/18/2025	12/18/2024 / yogesh	12/09/2024 / yogesh	P13814

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30542 / Custom NJEPH Aliphatics Matrix Spike Mix	A0217408	06/18/2025	12/18/2024 / yogesh	12/09/2024 / yogesh	P13815

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30542 / Custom NJEPH Aliphatics Matrix Spike Mix	A0217408	06/18/2025	12/18/2024 / yogesh	12/09/2024 / yogesh	P13823

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30542 / Custom NJEPH Aliphatics Matrix Spike Mix	A0217408	06/18/2025	12/18/2024 / yogesh	12/09/2024 / yogesh	P13824

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30543 / Custom NJEPH Aromatics Matrix Spike Mix	A0217838	06/18/2025	12/18/2024 / yogesh	12/09/2024 / yogesh	P13835

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30543 / Custom NJEPH Aromatics Matrix Spike Mix	A0217838	06/18/2025	12/18/2024 / yogesh	12/09/2024 / yogesh	P13837

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30543 / Custom NJEPH Aromatics Matrix Spike Mix	A0217838	06/18/2025	12/18/2024 / yogesh	12/09/2024 / yogesh	P13838

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30543 / Custom NJEPH Aromatics Matrix Spike Mix	A0217838	06/18/2025	12/18/2024 / yogesh	12/09/2024 / yogesh	P13841

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30543 / Custom NJEPH Aromatics Matrix Spike Mix	A0217838	06/18/2025	12/18/2024 / yogesh	12/09/2024 / yogesh	P13847

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30543 / Custom NJEPH Aromatics Matrix Spike Mix	A0217838	06/18/2025	12/18/2024 / yogesh	12/09/2024 / yogesh	P13848

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30543 / Custom NJEPH Aromatics Matrix Spike Mix	A0217838	06/18/2025	12/18/2024 / yogesh	12/09/2024 / yogesh	P13849

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30543 / Custom NJEPH Aromatics Matrix Spike Mix	A0217838	06/18/2025	12/18/2024 / yogesh	12/09/2024 / yogesh	P13852

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30543 / Custom NJEPH Aromatics Matrix Spike Mix	A0217838	06/18/2025	12/18/2024 / yogesh	12/09/2024 / yogesh	P13853

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30543 / Custom NJEPH Aromatics Matrix Spike Mix	A0217838	06/18/2025	12/18/2024 / yogesh	12/09/2024 / yogesh	P13854

Sand
Purified
Washed and Ignited



Material No.: 3382-05
Batch No.: 0000243821
Manufactured Date: 2018/04/09
Retest Date: 2025/04/07
Revision No: 1

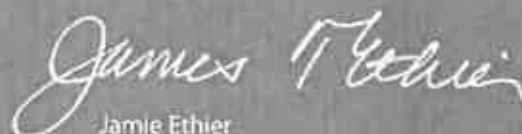
Certificate of Analysis

Test	Specification	Result
Substances Soluble in HCl	$\leq 0.16\%$	0.01

For Laboratory, Research or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: US
Packaging Site: Paris Mfg Ctr & DC

E 2865


Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700



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MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na ₂ SO ₄
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na ₂ SO ₄)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO ₄)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreign matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

Recd. by R3 on 7/24/23 E 3551

RC-02-01, Ed. 3

Material No.: 926
Batch No.: 24C186
Manufactured Date: 2024-0
Expiration Date: 2025-0
Revision N

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.4 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 8/13/24

E 3789



Jamie Croak
Director Quality Operations, Bioscience Products

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

100 Matsonford Rd, Suite 200, Radnor, PA 19087, U.S.A. Phone 610.386.1700

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

 **avantors™**



Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date: 2027-04-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Rec'd by RP On 12/13/24

E 3846



Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)



Material No.: 9266-A4
Batch No.: 24K1762005
Manufactured Date: 2024-10-08
Expiration Date: 2026-01-07
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	2
Assay (CH ₂ Cl ₂) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8\%$	100.0 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.5 ppm
Titration Acid (μ eq/g)	≤ 0.3	0.0
Chloride (Cl)	≤ 10 ppm	<5 ppm
Water (by KF, coulometric)	$\leq 0.02\%$	0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3848

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

100 Matsonford Rd, Suite 200, Radnor, PA, 19087, U.S.A. Phone 610.386.1700

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)



Material No.: 9266-A4
Batch No.: 25A0262002
Manufactured Date: 2024-11-21
Expiration Date: 2026-02-20
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	4
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8\%$	99.9%
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.8 ppm
Titration Acid ($\mu\text{eq/g}$)	≤ 0.3	< 0.1
Chloride (Cl)	≤ 10 ppm	< 5 ppm
Water (by KF, coulometric)	$\leq 0.02\%$	$< 0.01\%$

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3874

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

100 Matsonford Rd, Suite 200, Radnor, PA, 19087, U.S.A. Phone 610.386.1700



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Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30540 **Lot No.:** A0190424

Description : NJEPH Aliphatics Calibration Standard

Aliphatics Calibration Standard 2000µg/mL, Hexane/Carbon Disulfide (80:20), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2029 **Storage:** 25°C nominal

Handling: Sonicate prior to use. **Ship:** Ambient

P12361
↓
P12370 } Y.P.
031/6/23

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	n-Nonane (C9) CAS # 111-84-2 Purity 99% (Lot SHBN5361)	2,014.0 µg/mL	+/- 11.8193 +/- 50.0027 +/- 59.9491	µg/mL Gravimetric Unstressed Stressed
2	n-Decane (C10) CAS # 124-18-5 Purity 99% (Lot SHBN8619)	2,014.7 µg/mL	+/- 11.8232 +/- 50.0193 +/- 59.9689	µg/mL Gravimetric Unstressed Stressed
3	Naphthalene CAS # 91-20-3 Purity 99% (Lot MKCH0219)	2,015.3 µg/mL	+/- 11.8271 +/- 50.0358 +/- 59.9888	µg/mL Gravimetric Unstressed Stressed
4	n-Dodecane (C12) CAS # 112-40-3 Purity 99% (Lot SHBN7174)	2,008.0 µg/mL	+/- 11.7841 +/- 49.8538 +/- 59.7705	µg/mL Gravimetric Unstressed Stressed
5	2-Methylnaphthalene CAS # 91-57-6 Purity 96% (Lot STBK0259)	2,007.0 µg/mL	+/- 11.7784 +/- 49.8299 +/- 59.7419	µg/mL Gravimetric Unstressed Stressed
6	n-Tetradecane (C14) CAS # 629-59-4 Purity 99% (Lot STBK2282)	2,016.7 µg/mL	+/- 11.8349 +/- 50.0689 +/- 60.0284	µg/mL Gravimetric Unstressed Stressed
7	n-Hexadecane (C16) CAS # 544-76-3 Purity 98% (Lot SHBM4146)	2,014.9 µg/mL	+/- 11.8244 +/- 50.0246 +/- 59.9753	µg/mL Gravimetric Unstressed Stressed

8	n-Octadecane (C18) CAS # 593-45-3 Purity 97%	(Lot VZKOJ)	2,004.7 µg/mL	+/-	11.7645	µg/mL	Gravimetric
				+/-	49.7710	µg/mL	Unstressed
				+/-	59.6712	µg/mL	Stressed
9	n-Eicosane (C20) CAS # 112-95-8 Purity 99%	(Lot MKCF7888)	2,018.0 µg/mL	+/-	11.8428	µg/mL	Gravimetric
				+/-	50.1020	µg/mL	Unstressed
				+/-	60.0681	µg/mL	Stressed
10	n-Heneicosane (C21) CAS # 629-94-7 Purity 99%	(Lot MKCL3226)	2,000.7 µg/mL	+/-	11.7410	µg/mL	Gravimetric
				+/-	49.6717	µg/mL	Unstressed
				+/-	59.5522	µg/mL	Stressed
11	n-Docosane (C22) CAS # 629-97-0 Purity 99%	(Lot MKCL8918)	2,005.3 µg/mL	+/-	11.7684	µg/mL	Gravimetric
				+/-	49.7876	µg/mL	Unstressed
				+/-	59.6911	µg/mL	Stressed
12	n-Tetracosane (C24) CAS # 646-31-1 Purity 99%	(Lot MKCN2863)	2,018.0 µg/mL	+/-	11.8428	µg/mL	Gravimetric
				+/-	50.1020	µg/mL	Unstressed
				+/-	60.0681	µg/mL	Stressed
13	n-Hexacosane (C26) CAS # 630-01-3 Purity 99%	(Lot MKCD4540)	2,014.0 µg/mL	+/-	11.8193	µg/mL	Gravimetric
				+/-	50.0027	µg/mL	Unstressed
				+/-	59.9491	µg/mL	Stressed
14	n-Octacosane (C28) CAS # 630-02-4 Purity 99%	(Lot BCCG0084)	2,002.0 µg/mL	+/-	11.7489	µg/mL	Gravimetric
				+/-	49.7048	µg/mL	Unstressed
				+/-	59.5919	µg/mL	Stressed
15	n-Triacontane (C30) CAS # 638-68-6 Purity 97%	(Lot MKCQ9436)	2,011.1 µg/mL	+/-	11.8025	µg/mL	Gravimetric
				+/-	49.9316	µg/mL	Unstressed
				+/-	59.8637	µg/mL	Stressed
16	n-Dotriacontane (C32) CAS # 544-85-4 Purity 99%	(Lot BCBW0661)	2,012.0 µg/mL	+/-	11.8075	µg/mL	Gravimetric
				+/-	49.9531	µg/mL	Unstressed
				+/-	59.8895	µg/mL	Stressed
17	n-Tetratriacontane (C34) CAS # 14167-59-0 Purity 99%	(Lot OML4N)	2,006.7 µg/mL	+/-	11.7762	µg/mL	Gravimetric
				+/-	49.8207	µg/mL	Unstressed
				+/-	59.7308	µg/mL	Stressed
18	n-Hexatriacontane (C36) CAS # 630-06-8 Purity 99%	(Lot Z27H018)	2,017.3 µg/mL	+/-	11.8388	µg/mL	Gravimetric
				+/-	50.0855	µg/mL	Unstressed
				+/-	60.0483	µg/mL	Stressed
19	n-Octatriacontane (C38) CAS # 7194-85-6 Purity 96%	(Lot 0000145137)	2,017.3 µg/mL	+/-	11.8385	µg/mL	Gravimetric
				+/-	50.0842	µg/mL	Unstressed
				+/-	60.0467	µg/mL	Stressed
20	n-Tetracontane (C40) CAS # 4181-95-7 Purity 99%	(Lot BSBME)	2,008.7 µg/mL	+/-	11.7880	µg/mL	Gravimetric
				+/-	49.8703	µg/mL	Unstressed
				+/-	59.7903	µg/mL	Stressed
Solvent: Hexane/Carbon disulfide (80:20)							
	CAS # 110-54-3/75-15-0						
	Purity 99%						

Column:
30m x 0.25mm x 0.25µm
Pxx-5 (cat.#10223)

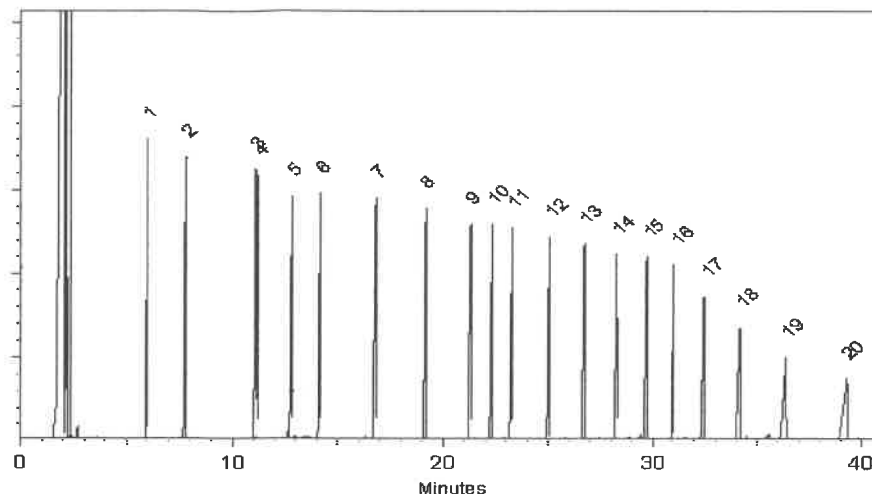
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Morgan Craighead - Mix Technician

Date Mixed: 10-Oct-2022 Balance: 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 20-Oct-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.



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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No.: 31098 **Lot No.:** A0204989

Description: 1-Chlorooctadecane Standard

1-Chlorooctadecane Standard 10,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size: 2 mL **Pkg Amt:** > 1 mL

Expiration Date: January 31, 2031 **Storage:** 10°C or colder

Ship: Ambient

P12960
↓
P12991 } Y.P.
12/21/2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Chlorooctadecane	3386-33-2	14738400	99%	10,097.3 µg/mL	+/- 567.2675

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

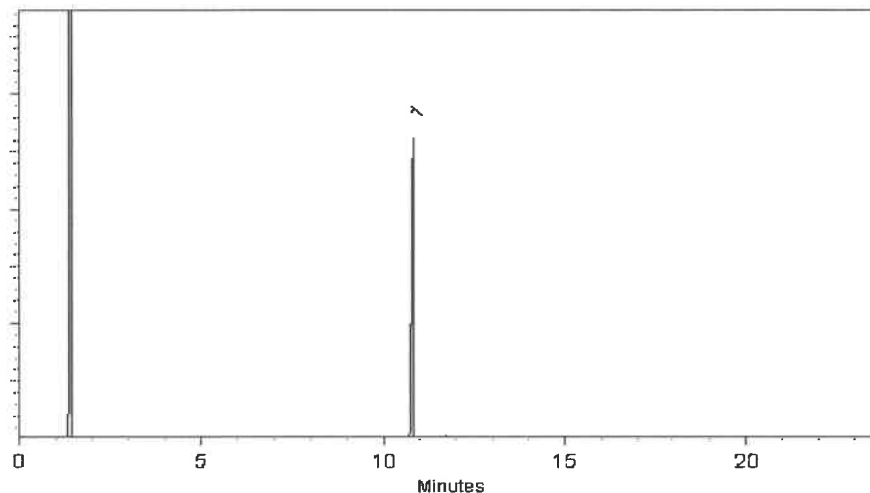
FID

Split Vent:

10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Peter Robbins - Operations Technician I

Date Mixed: 02-Dec-2023

Balance Serial # B345965662

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Dec-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



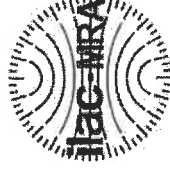
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No.: 31097 **Lot No.:** A0204177

Description: o-Terphenyl Standard

o-Terphenyl Standard 10,000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size: 2 mL **Pkg Amt:** > 1 mL

Expiration Date: June 30, 2027 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

P12992 } Y.P.
↓
P13031 } 12/21/2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	o-Terphenyl	84-15-1	GKSSA	99%	10,000.5 µg/mL	+/- 450.4278

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

* Expanded Uncertainty displayed in same units as Grav. Conc.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

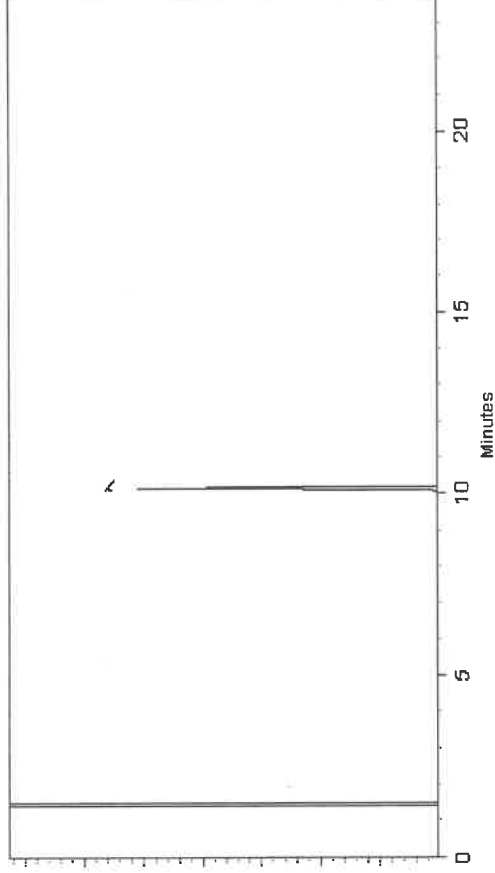
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.



Laith Clemente - Operations Technician I

Date Mixed: 07-Nov-2023 **Balance Serial #** 1128360905



Dillian Murphy - Operations Technician I

Date Passed: 09-Nov-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

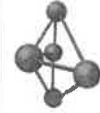
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



CERTIFIED WEIGHT REPORT

Part Number: 95999

Lot Number: 040524

Description: NJ EPH Aliphatic n-Hydrocarbons - Revised
20 components

Expiration Date: 040534

Recommended Storage: Ambient (20 °C)

Nominal Concentration (µg/mL): 1000

NIST Test ID#: 6UTB

Weight(s) shown below were combined and diluted to (mL):

CAUTION: Sonicate Before Use

Solvent(s):
Cyclohexane

Lot#
28930

Formulated By:	Anthony Mahoney	040524	DATE
Reviewed By:	Pedro L. Rentas	040524	DATE

P13278
Y.P.
P13287
04/11/24

5E-05 Balance Uncertainty
0.001 Flask Uncertainty

CAUTION: Sonicate Before Use															SDS Information			
Compound		(RM#)	Lot	Dil.	Initial	Initial	Nominal	Purity	Purity	Uncertainty	Target	Actual	Actual	Expanded	(Solvent Safety Info. On Attached pg.)	CAS#	OSHA PEL (TWA)	LD50
Part Number		Number	Factor	Vol. (mL)	Conc.(µg/mL)	Conc. (µg/mL)		(%)		Pipette	Weight(g)	Weight(g)	Conc (µg/mL)	(+/-) (µg/mL)				
1.	2-Methylnaphthalene	(0214)	MKB3783V	NA	NA	NA	1000	97	0.2	NA	0.02579	0.02594	1005.7	5.7	91-57-6	N/A		or-rat 1630mg/kg
2.	Naphthalene	(0222)	MKB28680V	NA	NA	NA	1000	100	0.2	NA	0.02502	0.02511	1003.7	5.7	91-20-3	10 ppm (50mg/m3/8H)		or-rat 490mg/kg
3.	n-Nonane	95708	120222	1.00	25.00	1000.7	1000	NA	NA	0.013	NA	NA	1000.0	4.2	111-84-2	200 ppm (1050mg/m3/8H)		ivn-mus 218mg/kg
4.	n-Decane	95708	120222	1.00	25.00	1000.9	1000	NA	NA	0.013	NA	NA	1000.2	4.2	124-18-5	N/A		N/A
5.	n-Dodecane	95708	120222	1.00	25.00	1000.7	1000	NA	NA	0.013	NA	NA	1000.0	4.2	112-40-3	N/A		ivn-mus 3494mg/kg
6.	n-Tetradecane	95708	120222	1.00	25.00	1002.1	1000	NA	NA	0.013	NA	NA	1001.3	4.2	629-59-4	N/A		N/A
7.	n-Hexadecane	95708	120222	1.00	25.00	1000.5	1000	NA	NA	0.013	NA	NA	999.7	4.2	544-76-3	N/A		N/A
8.	n-Octadecane	95708	120222	1.00	25.00	1001.0	1000	NA	NA	0.013	NA	NA	1000.3	4.1	583-45-3	N/A		N/A
9.	n-Eicosane	95708	120222	1.00	25.00	1001.0	1000	NA	NA	0.013	NA	NA	1000.3	4.2	112-95-8	N/A		N/A
10.	n-Henicosane	95708	120222	1.00	25.00	1002.4	1000	NA	NA	0.013	NA	NA	1001.6	4.2	629-94-7	N/A		N/A
11.	n-Docosane	95708	120222	1.00	25.00	1001.9	1000	NA	NA	0.013	NA	NA	1001.2	4.2	629-97-0	N/A		N/A
12.	n-Tetracosane	95708	120222	1.00	25.00	1000.8	1000	NA	NA	0.013	NA	NA	1000.1	4.2	646-31-1	N/A		N/A
13.	n-Hexacosane	95708	120222	1.00	25.00	1001.2	1000	NA	NA	0.013	NA	NA	1000.4	4.2	630-01-3	N/A		N/A
14.	n-Octacosane	95708	120222	1.00	25.00	1000.5	1000	NA	NA	0.013	NA	NA	999.8	4.2	630-02-4	N/A		N/A
15.	n-Triacontane	95708	120222	1.00	25.00	1000.5	1000	NA	NA	0.013	NA	NA	999.8	4.2	638-68-6	N/A		N/A
16.	n-Dotriacontane	95708	120222	1.00	25.00	1000.5	1000	NA	NA	0.013	NA	NA	999.8	4.3	544-85-4	N/A		ivn-mus 100mg/kg
17.	n-Tetra triacontane	95708	120222	1.00	25.00	1000.4	1000	NA	NA	0.013	NA	NA	999.7	4.2	14167-59-0	N/A		N/A
18.	n-Hexatri acontane	95708	120222	1.00	25.00	1001.5	1000	NA	NA	0.013	NA	NA	1000.8	4.2	630-08-8	N/A		N/A
19.	n-Octatri acontane	95708	120222	1.00	25.00	1000.3	1000	NA	NA	0.013	NA	NA	999.6	4.3	7194-85-6	N/A		N/A
20.	n-Tetracontane	95708	120222	1.00	25.00	1000.6	1000	NA	NA	0.013	NA	NA	999.9	4.3	4181-95-7	N/A		N/A

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



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Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31098 **Lot No.:** A0213283

Description : 1-Chlorooctadecane Standard

1-Chlorooctadecane Standard 10,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2031 **Storage:** 10°C or colder

Ship: Ambient

P13595
↓
P13624 } Y.P.
10/16/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Chlorooctadecane	3386-33-2	15018900	99%	10,058.0 µg/mL	+/- 565.0578

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-S (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

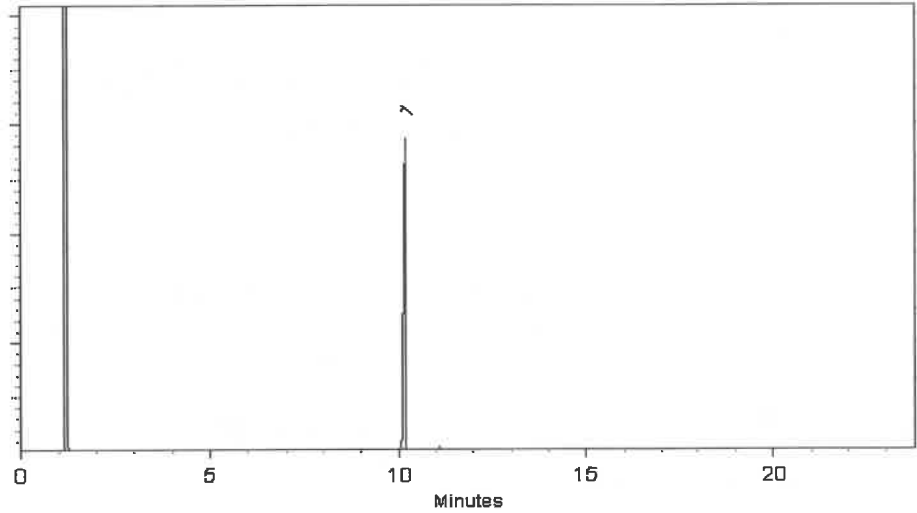
FID

Split Vent:

10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 28-Jun-2024

Balance Serial # B345965662

Dillan Murphy - Operations Technician I

Date Passed: 01-Jul-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31098 **Lot No.:** A0213283

Description : 1-Chlorooctadecane Standard

1-Chlorooctadecane Standard 10,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2031 **Storage:** 10°C or colder

Ship: Ambient

P13595
↓
P13624 } Y.P.
10/16/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Chlorooctadecane	3386-33-2	15018900	99%	10,058.0 µg/mL	+/- 565.0578

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-S (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

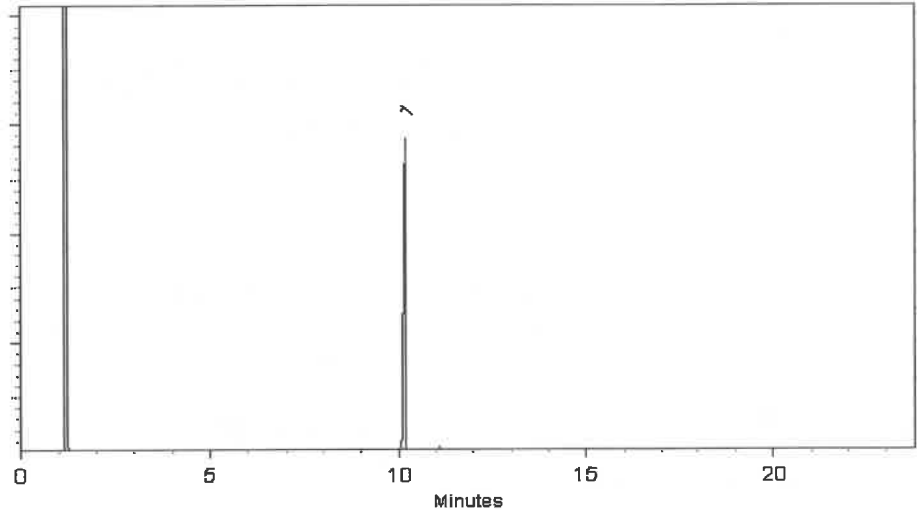
FID

Split Vent:

10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 28-Jun-2024

Balance Serial # B345965662

Dillan Murphy - Operations Technician I

Date Passed: 01-Jul-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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Catalog No. : 31098 **Lot No.:** A0213283

Description : 1-Chlorooctadecane Standard

1-Chlorooctadecane Standard 10,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2031 **Storage:** 10°C or colder

Ship: Ambient

P13595
↓
P13624 } Y.P.
10/16/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Chlorooctadecane	3386-33-2	15018900	99%	10,058.0 µg/mL	+/- 565.0578

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-S (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

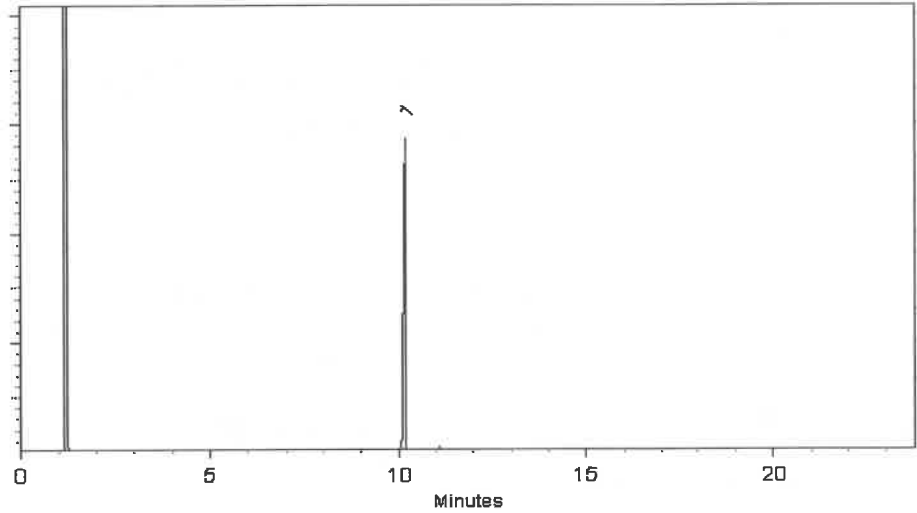
FID

Split Vent:

10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 28-Jun-2024

Balance Serial # B345965662

Dillan Murphy - Operations Technician I

Date Passed: 01-Jul-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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Catalog No. : 31098 **Lot No.:** A0213283

Description : 1-Chlorooctadecane Standard

1-Chlorooctadecane Standard 10,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2031 **Storage:** 10°C or colder

Ship: Ambient

P13595
↓
P13624 } Y.P.
10/16/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Chlorooctadecane	3386-33-2	15018900	99%	10,058.0 µg/mL	+/- 565.0578

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-S (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

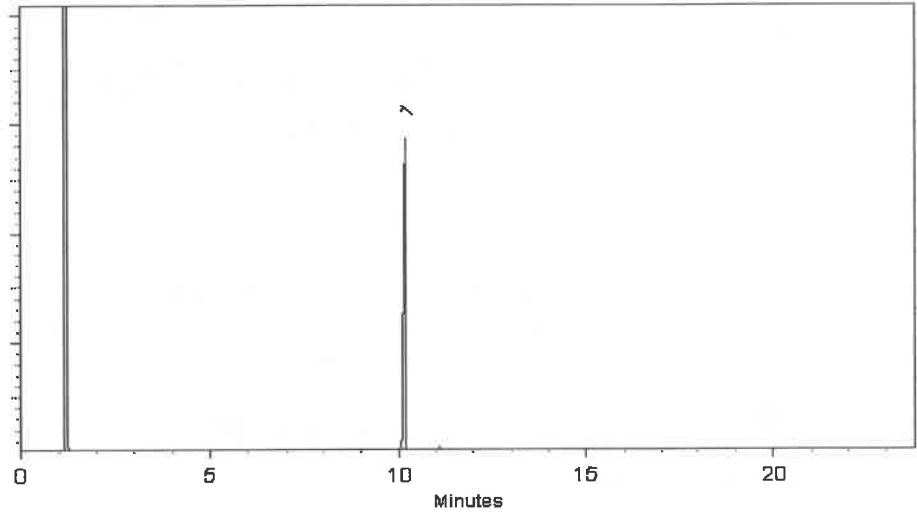
FID

Split Vent:

10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 28-Jun-2024

Balance Serial # B345965662

Dillan Murphy - Operations Technician I

Date Passed: 01-Jul-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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Handling Notes:

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30542 **Lot No.:** A0211112

Description : NJEPH Aliphatics Matrix Spike Mix

NJEPH Aliphatics Matrix Spike Mix 200 µg/mL, n-Pentane, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : June 30, 2031 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

P13625
↓
P13644 } Y.P.
10/16/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	n-Nonane (C9)	111-84-2	SHBP9752	99%	200.9 µg/mL	+/- 5.1891
2	n-Decane (C10)	124-18-5	SHBQ1342	99%	200.7 µg/mL	+/- 5.1857
3	n-Dodecane (C12)	112-40-3	SHBP7054	99%	200.4 µg/mL	+/- 5.1771
4	n-Tetradecane (C14)	629-59-4	STBK5437	99%	200.7 µg/mL	+/- 5.1839
5	n-Hexadecane (C16)	544-76-3	SHBR0669	99%	200.6 µg/mL	+/- 5.1822
6	n-Octadecane (C18)	593-45-3	UE5NG	98%	200.4 µg/mL	+/- 5.1782
7	n-Eicosane (C20)	112-95-8	MKCN8767	97%	200.4 µg/mL	+/- 5.1771
8	n-Heneicosane (C21)	629-94-7	MKCL3226	99%	200.5 µg/mL	+/- 5.1796
9	n-Docosane (C22)	629-97-0	MKCQ3882	99%	200.6 µg/mL	+/- 5.1814
10	n-Tetracosane (C24)	646-31-1	MKCS9978	99%	200.5 µg/mL	+/- 5.1805
11	n-Hexacosane (C26)	630-01-3	MKCQ4814	99%	200.5 µg/mL	+/- 5.1796
12	n-Octacosane (C28)	630-02-4	BCCG0084	99%	200.5 µg/mL	+/- 5.1796
13	n-Triacontane (C30)	638-68-6	MKCQ9436	97%	200.4 µg/mL	+/- 5.1763
14	n-Dotriacontane (C32)	544-85-4	BCBW0661	99%	200.4 µg/mL	+/- 5.1779
15	n-Tetratriacontane (C34)	14167-59-0	D3MZN	99%	200.5 µg/mL	+/- 5.1805
16	n-Hexatriacontane (C36)	630-06-8	Z27H018	99%	200.6 µg/mL	+/- 5.1814
17	n-Octatriacontane (C38)	7194-85-6	0000145137	96%	200.5 µg/mL	+/- 5.1808

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: n-Pentane
CAS # 109-66-0
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

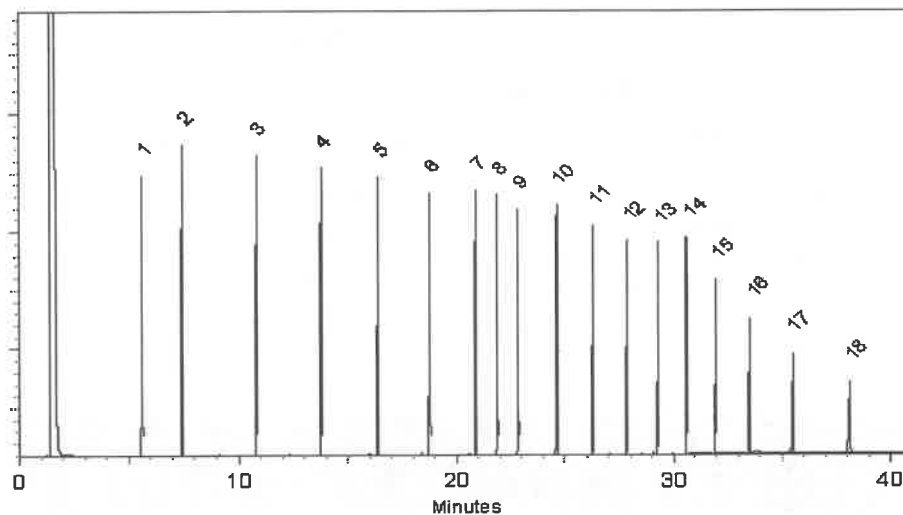
FID

Split Vent:

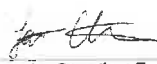
2 ml/min.

Inj. Vol

1µl

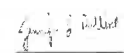


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 07-May-2024

Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 09-May-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31097 Lot No.: A0216631
Description : o-Terphenyl Standard
o-Terphenyl Standard 10,000 µg/mL, Methylene Chloride, 1mL/ampul
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : April 30, 2028 Storage: 10°C or colder
Handling: Sonicate prior to use. Ship: Ambient

P13645 } Y.P.
↓
P13694 } 10/16/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	o-Terphenyl	84-15-1	GKSSA	99%	10,065.0 µg/mL	+/- 453.3336

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

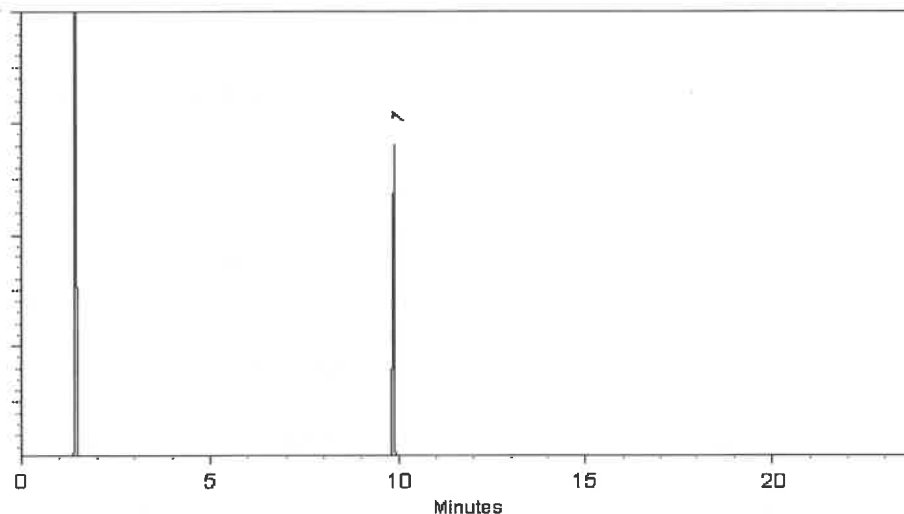
FID

Split Vent:

10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ven Kelley - Operations Tech I

Date Mixed: 17-Sep-2024

Balance Serial # 1128353505

Dillan Murphy - Operations Technician I

Date Passed: 23-Sep-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31097 **Lot No.:** A0216631
Description : o-Terphenyl Standard
o-Terphenyl Standard 10,000 µg/mL, Methylene Chloride, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : April 30, 2028 **Storage:** 10°C or colder
Handling: Sonicate prior to use. **Ship:** Ambient

P13645 } Y.P.
↓
P13694 } 10/16/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	o-Terphenyl	84-15-1	GKSSA	99%	10,065.0 µg/mL	+/- 453.3336

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

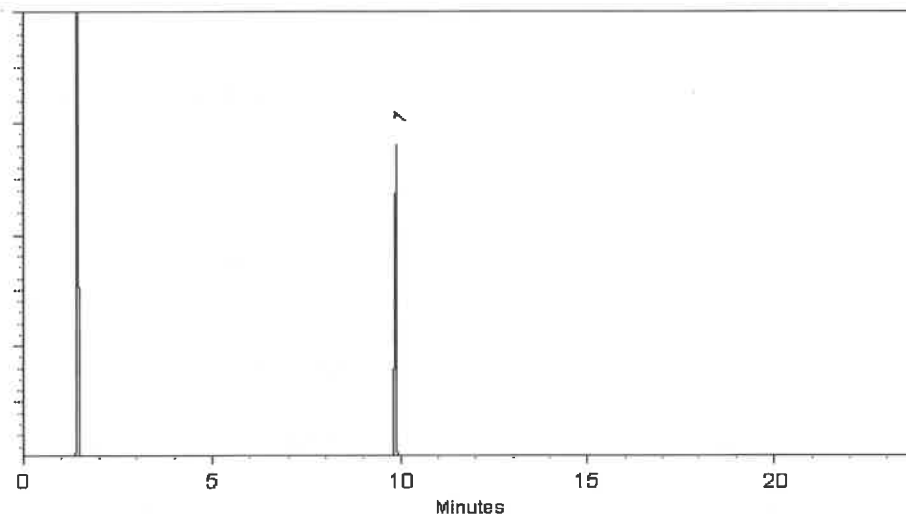
FID

Split Vent:

10 ml/min.

Inj. Vol

1µl



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Ven Kelley - Operations Tech I

Date Mixed: 17-Sep-2024

Balance Serial # 1128353505

Dillan Murphy - Operations Technician I

Date Passed: 23-Sep-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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Manufacturing Notes:

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Handling Notes:

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Catalog No. : 31097 **Lot No.:** A0216631
Description : o-Terphenyl Standard
o-Terphenyl Standard 10,000 µg/mL, Methylene Chloride, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : April 30, 2028 **Storage:** 10°C or colder
Handling: Sonicate prior to use. **Ship:** Ambient

P13645 } Y.P.
↓
P13694 } 10/16/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	o-Terphenyl	84-15-1	GKSSA	99%	10,065.0 µg/mL	+/- 453.3336

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

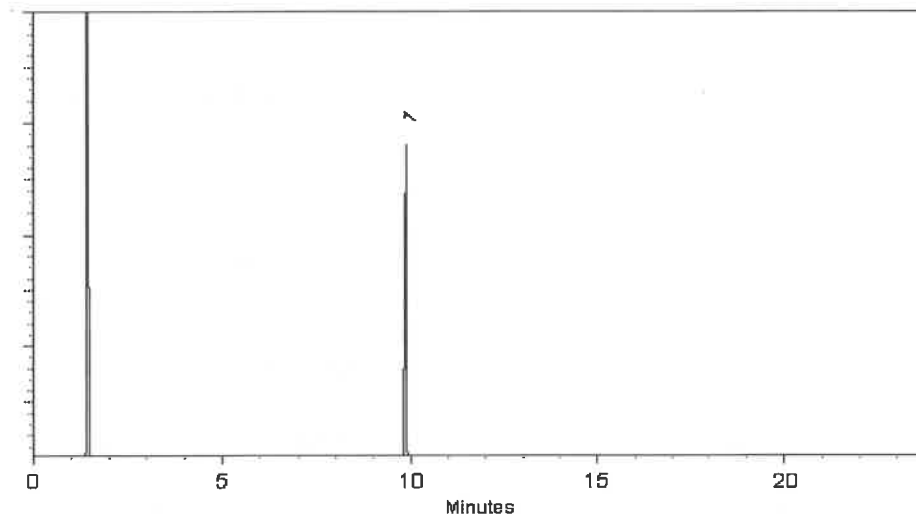
FID

Split Vent:

10 ml/min.

Inj. Vol

1µl



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Ven Kelley - Operations Tech I

Date Mixed: 17-Sep-2024

Balance Serial # 1128353505

Dillan Murphy - Operations Technician I

Date Passed: 23-Sep-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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Purity Notes:

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Manufacturing Notes:

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Catalog No. : 31097 **Lot No.:** A0216631
Description : o-Terphenyl Standard
o-Terphenyl Standard 10,000 µg/mL, Methylene Chloride, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : April 30, 2028 **Storage:** 10°C or colder
Handling: Sonicate prior to use. **Ship:** Ambient

P13645 } Y.P.
↓
P13694 } 10/16/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	o-Terphenyl	84-15-1	GKSSA	99%	10,065.0 µg/mL	+/- 453.3336

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

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30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

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Det. Type:

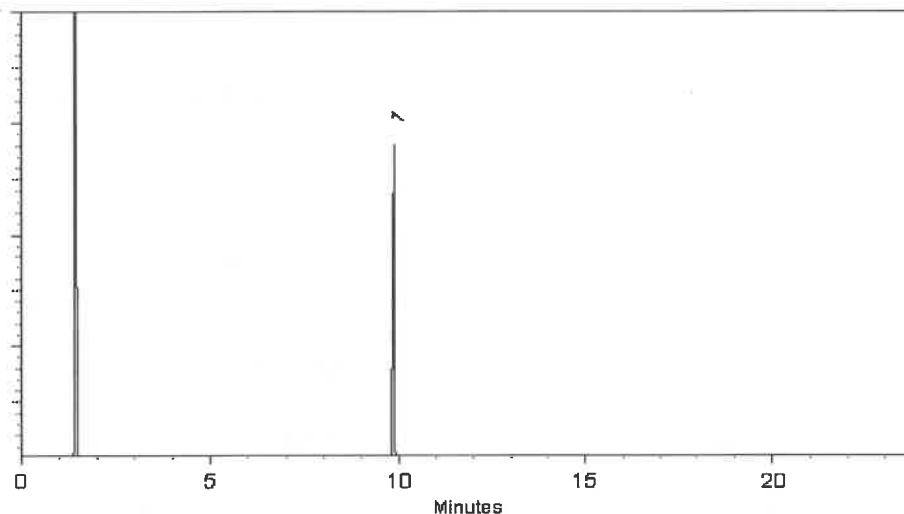
FID

Split Vent:

10 ml/min.

Inj. Vol

1µl



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Ven Kelley - Operations Tech I

Date Mixed: 17-Sep-2024

Balance Serial # 1128353505

Dillan Murphy - Operations Technician I

Date Passed: 23-Sep-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30542 **Lot No.:** A0217408

Description : NJEPH Aliphatics Matrix Spike Mix

NJEPH Aliphatics Matrix Spike Mix 200 µg/mL, n-Pentane, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : November 30, 2031 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

P13800
↓
P13829 } YIP
12/09/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	n-Nonane (C9)	111-84-2	SHBP9752	99%	200.7 µg/mL	+/- 5.1839
2	n-Decane (C10)	124-18-5	SHBQ1342	99%	201.0 µg/mL	+/- 5.1917
3	n-Dodecane (C12)	112-40-3	SHBP7054	99%	200.5 µg/mL	+/- 5.1805
4	n-Tetradecane (C14)	629-59-4	STBL0465	99%	200.5 µg/mL	+/- 5.1805
5	n-Hexadecane (C16)	544-76-3	SHBR0669	99%	200.7 µg/mL	+/- 5.1857
6	n-Octadecane (C18)	593-45-3	UE5NG	99%	200.7 µg/mL	+/- 5.1857
7	n-Eicosane (C20)	112-95-8	MKCN8767	97%	200.9 µg/mL	+/- 5.1888
8	n-Heneicosane (C21)	629-94-7	MKCP1960	99%	200.5 µg/mL	+/- 5.1805
9	n-Docosane (C22)	629-97-0	MKCQ3882	99%	200.5 µg/mL	+/- 5.1788
10	n-Tetracosane (C24)	646-31-1	MKCS9978	99%	200.6 µg/mL	+/- 5.1822
11	n-Hexacosane (C26)	630-01-3	MKCQ4814	99%	200.5 µg/mL	+/- 5.1796
12	n-Octacosane (C28)	630-02-4	BCCJ4566	99%	200.6 µg/mL	+/- 5.1822
13	n-Triacontane (C30)	638-68-6	MKCV7007	98%	201.1 µg/mL	+/- 5.1942
14	n-Dotriacontane (C32)	544-85-4	BCBW0661	99%	200.9 µg/mL	+/- 5.1891
15	n-Tetratriacontane (C34)	14167-59-0	6JNHB	99%	200.8 µg/mL	+/- 5.1865
16	n-Hexatriacontane (C36)	630-06-8	Z27H018	99%	200.6 µg/mL	+/- 5.1814
17	n-Octatriacontane (C38)	7194-85-6	0000207852	96%	199.3 µg/mL	+/- 5.1477

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: n-Pentane
CAS # 109-66-0
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

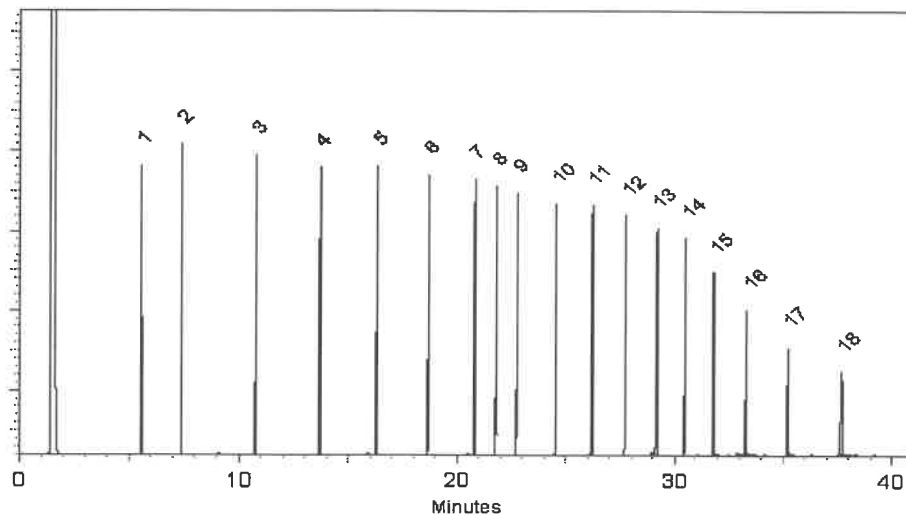
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Penelope S. Riglin
Penelope Riglin - Operations Tech I

Date Mixed: 03-Oct-2024 **Balance Serial #** 1128353505

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 07-Oct-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

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Certified Uncertainty Value Notes:

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Manufacturing Notes:

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Handling Notes:

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Catalog No. : 30542 **Lot No.:** A0217408

Description : NJEPH Aliphatics Matrix Spike Mix

NJEPH Aliphatics Matrix Spike Mix 200 µg/mL, n-Pentane, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : November 30, 2031 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

P13800
↓
P13829 } YIP
12/09/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	n-Nonane (C9)	111-84-2	SHBP9752	99%	200.7 µg/mL	+/- 5.1839
2	n-Decane (C10)	124-18-5	SHBQ1342	99%	201.0 µg/mL	+/- 5.1917
3	n-Dodecane (C12)	112-40-3	SHBP7054	99%	200.5 µg/mL	+/- 5.1805
4	n-Tetradecane (C14)	629-59-4	STBL0465	99%	200.5 µg/mL	+/- 5.1805
5	n-Hexadecane (C16)	544-76-3	SHBR0669	99%	200.7 µg/mL	+/- 5.1857
6	n-Octadecane (C18)	593-45-3	UE5NG	99%	200.7 µg/mL	+/- 5.1857
7	n-Eicosane (C20)	112-95-8	MKCN8767	97%	200.9 µg/mL	+/- 5.1888
8	n-Heneicosane (C21)	629-94-7	MKCP1960	99%	200.5 µg/mL	+/- 5.1805
9	n-Docosane (C22)	629-97-0	MKCQ3882	99%	200.5 µg/mL	+/- 5.1788
10	n-Tetracosane (C24)	646-31-1	MKCS9978	99%	200.6 µg/mL	+/- 5.1822
11	n-Hexacosane (C26)	630-01-3	MKCQ4814	99%	200.5 µg/mL	+/- 5.1796
12	n-Octacosane (C28)	630-02-4	BCCJ4566	99%	200.6 µg/mL	+/- 5.1822
13	n-Triacontane (C30)	638-68-6	MKCV7007	98%	201.1 µg/mL	+/- 5.1942
14	n-Dotriacontane (C32)	544-85-4	BCBW0661	99%	200.9 µg/mL	+/- 5.1891
15	n-Tetratriacontane (C34)	14167-59-0	6JNHB	99%	200.8 µg/mL	+/- 5.1865
16	n-Hexatriacontane (C36)	630-06-8	Z27H018	99%	200.6 µg/mL	+/- 5.1814
17	n-Octatriacontane (C38)	7194-85-6	0000207852	96%	199.3 µg/mL	+/- 5.1477

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: n-Pentane
CAS # 109-66-0
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

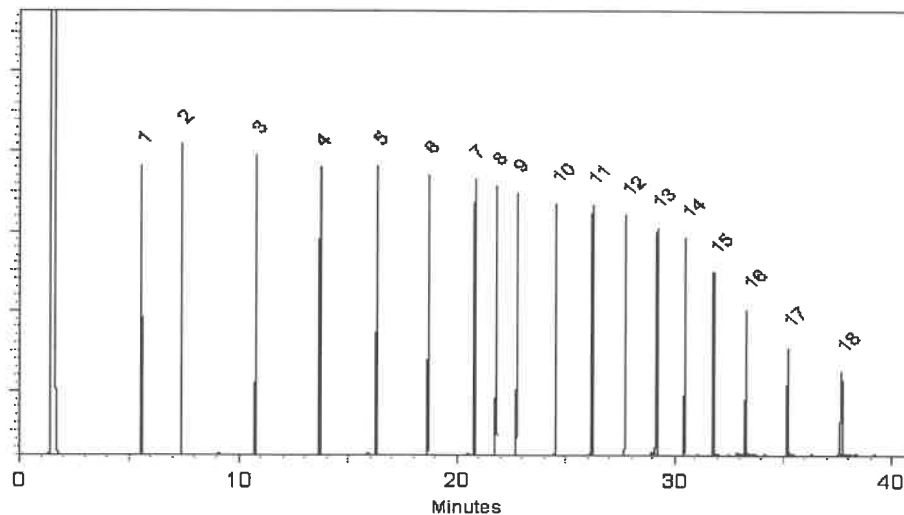
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope S. Riglin
Penelope Riglin - Operations Tech I

Date Mixed: 03-Oct-2024 **Balance Serial #** 1128353505

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 07-Oct-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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CERTIFIED REFERENCE MATERIAL

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chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30542 **Lot No.:** A0217408

Description : NJEPH Aliphatics Matrix Spike Mix

NJEPH Aliphatics Matrix Spike Mix 200 µg/mL, n-Pentane, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : November 30, 2031 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

P13800
↓
P13829 } YIP
12/09/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	n-Nonane (C9)	111-84-2	SHBP9752	99%	200.7 µg/mL	+/- 5.1839
2	n-Decane (C10)	124-18-5	SHBQ1342	99%	201.0 µg/mL	+/- 5.1917
3	n-Dodecane (C12)	112-40-3	SHBP7054	99%	200.5 µg/mL	+/- 5.1805
4	n-Tetradecane (C14)	629-59-4	STBL0465	99%	200.5 µg/mL	+/- 5.1805
5	n-Hexadecane (C16)	544-76-3	SHBR0669	99%	200.7 µg/mL	+/- 5.1857
6	n-Octadecane (C18)	593-45-3	UE5NG	99%	200.7 µg/mL	+/- 5.1857
7	n-Eicosane (C20)	112-95-8	MKCN8767	97%	200.9 µg/mL	+/- 5.1888
8	n-Heneicosane (C21)	629-94-7	MKCP1960	99%	200.5 µg/mL	+/- 5.1805
9	n-Docosane (C22)	629-97-0	MKCQ3882	99%	200.5 µg/mL	+/- 5.1788
10	n-Tetracosane (C24)	646-31-1	MKCS9978	99%	200.6 µg/mL	+/- 5.1822
11	n-Hexacosane (C26)	630-01-3	MKCQ4814	99%	200.5 µg/mL	+/- 5.1796
12	n-Octacosane (C28)	630-02-4	BCCJ4566	99%	200.6 µg/mL	+/- 5.1822
13	n-Triacontane (C30)	638-68-6	MKCV7007	98%	201.1 µg/mL	+/- 5.1942
14	n-Dotriacontane (C32)	544-85-4	BCBW0661	99%	200.9 µg/mL	+/- 5.1891
15	n-Tetratriacontane (C34)	14167-59-0	6JNHB	99%	200.8 µg/mL	+/- 5.1865
16	n-Hexatriacontane (C36)	630-06-8	Z27H018	99%	200.6 µg/mL	+/- 5.1814
17	n-Octatriacontane (C38)	7194-85-6	0000207852	96%	199.3 µg/mL	+/- 5.1477

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: n-Pentane
CAS # 109-66-0
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

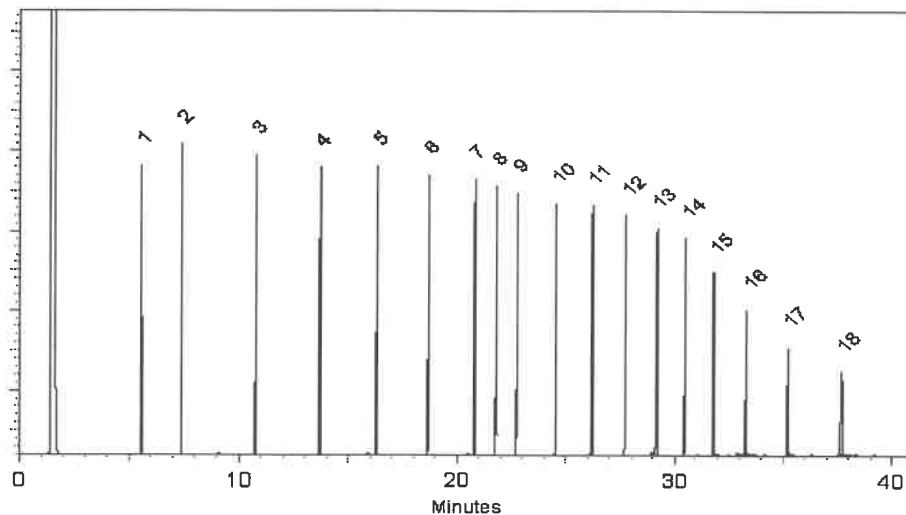
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope S. Riglin
Penelope Riglin - Operations Tech I

Date Mixed: 03-Oct-2024 **Balance Serial #** 1128353505

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 07-Oct-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30542 **Lot No.:** A0217408

Description : NJEPH Aliphatics Matrix Spike Mix

NJEPH Aliphatics Matrix Spike Mix 200 µg/mL, n-Pentane, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : November 30, 2031 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

P13800
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P13829 } YIP
12/09/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	n-Nonane (C9)	111-84-2	SHBP9752	99%	200.7 µg/mL	+/- 5.1839
2	n-Decane (C10)	124-18-5	SHBQ1342	99%	201.0 µg/mL	+/- 5.1917
3	n-Dodecane (C12)	112-40-3	SHBP7054	99%	200.5 µg/mL	+/- 5.1805
4	n-Tetradecane (C14)	629-59-4	STBL0465	99%	200.5 µg/mL	+/- 5.1805
5	n-Hexadecane (C16)	544-76-3	SHBR0669	99%	200.7 µg/mL	+/- 5.1857
6	n-Octadecane (C18)	593-45-3	UE5NG	99%	200.7 µg/mL	+/- 5.1857
7	n-Eicosane (C20)	112-95-8	MKCN8767	97%	200.9 µg/mL	+/- 5.1888
8	n-Heneicosane (C21)	629-94-7	MKCP1960	99%	200.5 µg/mL	+/- 5.1805
9	n-Docosane (C22)	629-97-0	MKCQ3882	99%	200.5 µg/mL	+/- 5.1788
10	n-Tetracosane (C24)	646-31-1	MKCS9978	99%	200.6 µg/mL	+/- 5.1822
11	n-Hexacosane (C26)	630-01-3	MKCQ4814	99%	200.5 µg/mL	+/- 5.1796
12	n-Octacosane (C28)	630-02-4	BCCJ4566	99%	200.6 µg/mL	+/- 5.1822
13	n-Triacontane (C30)	638-68-6	MKCV7007	98%	201.1 µg/mL	+/- 5.1942
14	n-Dotriacontane (C32)	544-85-4	BCBW0661	99%	200.9 µg/mL	+/- 5.1891
15	n-Tetratriacontane (C34)	14167-59-0	6JNHB	99%	200.8 µg/mL	+/- 5.1865
16	n-Hexatriacontane (C36)	630-06-8	Z27H018	99%	200.6 µg/mL	+/- 5.1814
17	n-Octatriacontane (C38)	7194-85-6	0000207852	96%	199.3 µg/mL	+/- 5.1477

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: n-Pentane
CAS # 109-66-0
Purity 99%

Quality Confirmation Test

Column:
 30m x 0.25mm x 0.25µm
 Rtx-5 (cat.#10223)
Carrier Gas:
 hydrogen-constant pressure 10 psi.

Temp. Program:
 40°C (hold 2 min.) to 330°C
 @ 10°C/min. (hold 10 min.)

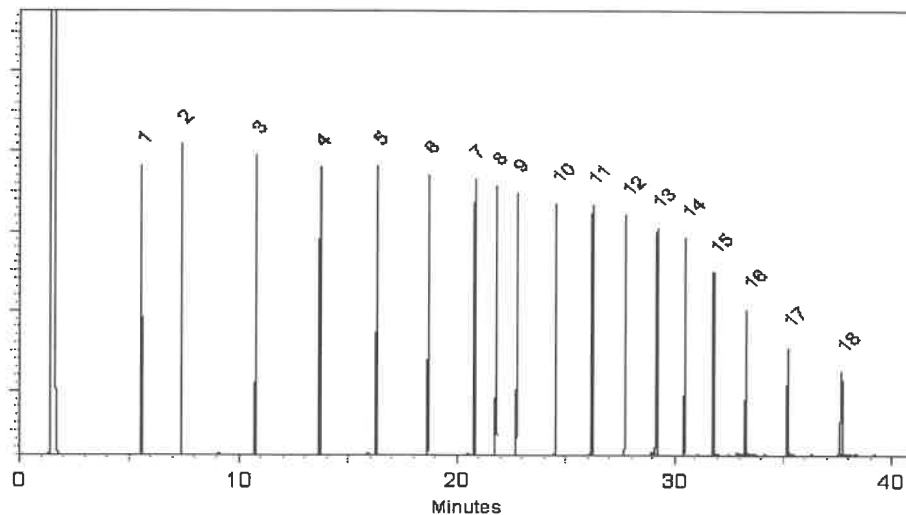
Inj. Temp:
 250°C

Det. Temp:
 330°C

Det. Type:
 FID

Split Vent:
 2 ml/min.

Inj. Vol
 1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope S. Riglin
 Penelope Riglin - Operations Tech I

Date Mixed: 03-Oct-2024 **Balance Serial #** 1128353505

Jennifer Pollino
 Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 07-Oct-2024

Manufactured under Restek's ISO 9001:2015
 Registered Quality System
 Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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CERTIFIED REFERENCE MATERIAL

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30542 **Lot No.:** A0217408

Description : NJEPH Aliphatics Matrix Spike Mix

NJEPH Aliphatics Matrix Spike Mix 200 µg/mL, n-Pentane, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : November 30, 2031 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

P13800
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P13829 } YIP
12/09/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	n-Nonane (C9)	111-84-2	SHBP9752	99%	200.7 µg/mL	+/- 5.1839
2	n-Decane (C10)	124-18-5	SHBQ1342	99%	201.0 µg/mL	+/- 5.1917
3	n-Dodecane (C12)	112-40-3	SHBP7054	99%	200.5 µg/mL	+/- 5.1805
4	n-Tetradecane (C14)	629-59-4	STBL0465	99%	200.5 µg/mL	+/- 5.1805
5	n-Hexadecane (C16)	544-76-3	SHBR0669	99%	200.7 µg/mL	+/- 5.1857
6	n-Octadecane (C18)	593-45-3	UE5NG	99%	200.7 µg/mL	+/- 5.1857
7	n-Eicosane (C20)	112-95-8	MKCN8767	97%	200.9 µg/mL	+/- 5.1888
8	n-Heneicosane (C21)	629-94-7	MKCP1960	99%	200.5 µg/mL	+/- 5.1805
9	n-Docosane (C22)	629-97-0	MKCQ3882	99%	200.5 µg/mL	+/- 5.1788
10	n-Tetracosane (C24)	646-31-1	MKCS9978	99%	200.6 µg/mL	+/- 5.1822
11	n-Hexacosane (C26)	630-01-3	MKCQ4814	99%	200.5 µg/mL	+/- 5.1796
12	n-Octacosane (C28)	630-02-4	BCCJ4566	99%	200.6 µg/mL	+/- 5.1822
13	n-Triacontane (C30)	638-68-6	MKCV7007	98%	201.1 µg/mL	+/- 5.1942
14	n-Dotriacontane (C32)	544-85-4	BCBW0661	99%	200.9 µg/mL	+/- 5.1891
15	n-Tetratriacontane (C34)	14167-59-0	6JNHB	99%	200.8 µg/mL	+/- 5.1865
16	n-Hexatriacontane (C36)	630-06-8	Z27H018	99%	200.6 µg/mL	+/- 5.1814
17	n-Octatriacontane (C38)	7194-85-6	0000207852	96%	199.3 µg/mL	+/- 5.1477

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: n-Pentane
CAS # 109-66-0
Purity 99%

Quality Confirmation Test

Column:
 30m x 0.25mm x 0.25µm
 Rtx-5 (cat.#10223)
Carrier Gas:
 hydrogen-constant pressure 10 psi.

Temp. Program:
 40°C (hold 2 min.) to 330°C
 @ 10°C/min. (hold 10 min.)

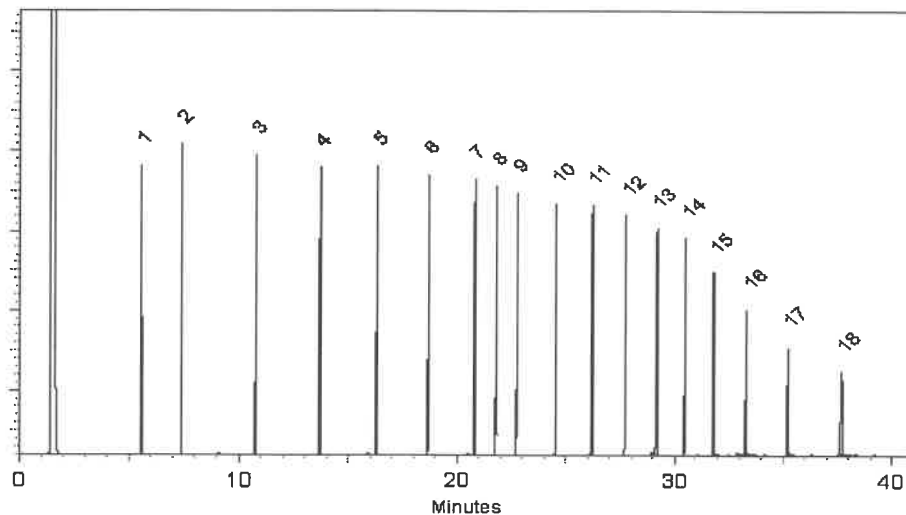
Inj. Temp:
 250°C

Det. Temp:
 330°C

Det. Type:
 FID

Split Vent:
 2 ml/min.

Inj. Vol
 1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope S. Riglin
 Penelope Riglin - Operations Tech I

Date Mixed: 03-Oct-2024 **Balance Serial #** 1128353505

Jennifer Pollino
 Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 07-Oct-2024

Manufactured under Restek's ISO 9001:2015
 Registered Quality System
 Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
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Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30542 **Lot No.:** A0217408

Description : NJEPH Aliphatics Matrix Spike Mix

NJEPH Aliphatics Matrix Spike Mix 200 µg/mL, n-Pentane, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : November 30, 2031 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

P13800
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P13829 } YIP
12/09/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	n-Nonane (C9)	111-84-2	SHBP9752	99%	200.7 µg/mL	+/- 5.1839
2	n-Decane (C10)	124-18-5	SHBQ1342	99%	201.0 µg/mL	+/- 5.1917
3	n-Dodecane (C12)	112-40-3	SHBP7054	99%	200.5 µg/mL	+/- 5.1805
4	n-Tetradecane (C14)	629-59-4	STBL0465	99%	200.5 µg/mL	+/- 5.1805
5	n-Hexadecane (C16)	544-76-3	SHBR0669	99%	200.7 µg/mL	+/- 5.1857
6	n-Octadecane (C18)	593-45-3	UE5NG	99%	200.7 µg/mL	+/- 5.1857
7	n-Eicosane (C20)	112-95-8	MKCN8767	97%	200.9 µg/mL	+/- 5.1888
8	n-Heneicosane (C21)	629-94-7	MKCP1960	99%	200.5 µg/mL	+/- 5.1805
9	n-Docosane (C22)	629-97-0	MKCQ3882	99%	200.5 µg/mL	+/- 5.1788
10	n-Tetracosane (C24)	646-31-1	MKCS9978	99%	200.6 µg/mL	+/- 5.1822
11	n-Hexacosane (C26)	630-01-3	MKCQ4814	99%	200.5 µg/mL	+/- 5.1796
12	n-Octacosane (C28)	630-02-4	BCCJ4566	99%	200.6 µg/mL	+/- 5.1822
13	n-Triacontane (C30)	638-68-6	MKCV7007	98%	201.1 µg/mL	+/- 5.1942
14	n-Dotriacontane (C32)	544-85-4	BCBW0661	99%	200.9 µg/mL	+/- 5.1891
15	n-Tetratriacontane (C34)	14167-59-0	6JNHB	99%	200.8 µg/mL	+/- 5.1865
16	n-Hexatriacontane (C36)	630-06-8	Z27H018	99%	200.6 µg/mL	+/- 5.1814
17	n-Octatriacontane (C38)	7194-85-6	0000207852	96%	199.3 µg/mL	+/- 5.1477

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: n-Pentane
CAS # 109-66-0
Purity 99%

Quality Confirmation Test

Column:
 30m x 0.25mm x 0.25µm
 Rtx-5 (cat.#10223)
Carrier Gas:
 hydrogen-constant pressure 10 psi.

Temp. Program:
 40°C (hold 2 min.) to 330°C
 @ 10°C/min. (hold 10 min.)

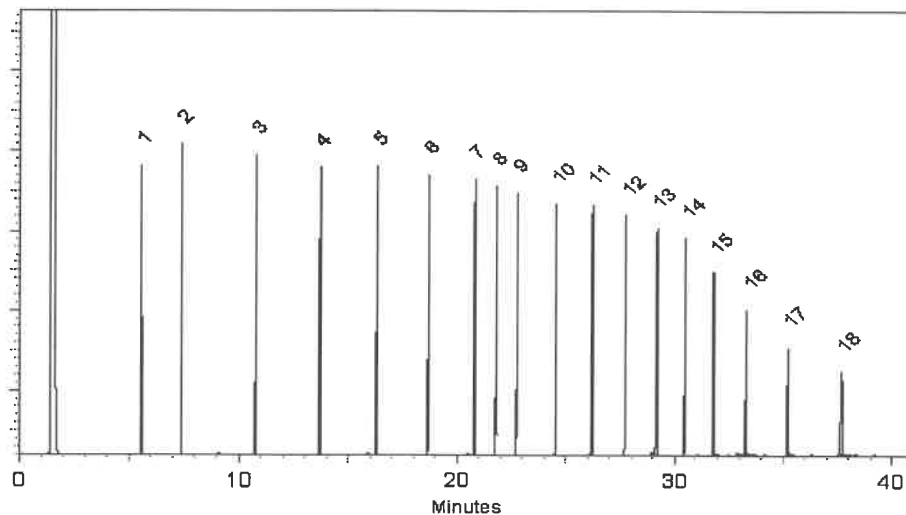
Inj. Temp:
 250°C

Det. Temp:
 330°C

Det. Type:
 FID

Split Vent:
 2 ml/min.

Inj. Vol
 1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope S. Riglin
 Penelope Riglin - Operations Tech I

Date Mixed: 03-Oct-2024 **Balance Serial #** 1128353505

Jennifer Pollino
 Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 07-Oct-2024

Manufactured under Restek's ISO 9001:2015
 Registered Quality System
 Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30542 **Lot No.:** A0217408

Description : NJEPH Aliphatics Matrix Spike Mix

NJEPH Aliphatics Matrix Spike Mix 200 µg/mL, n-Pentane, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : November 30, 2031 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

P13800
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P13829 } YIP
12/09/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	n-Nonane (C9)	111-84-2	SHBP9752	99%	200.7 µg/mL	+/- 5.1839
2	n-Decane (C10)	124-18-5	SHBQ1342	99%	201.0 µg/mL	+/- 5.1917
3	n-Dodecane (C12)	112-40-3	SHBP7054	99%	200.5 µg/mL	+/- 5.1805
4	n-Tetradecane (C14)	629-59-4	STBL0465	99%	200.5 µg/mL	+/- 5.1805
5	n-Hexadecane (C16)	544-76-3	SHBR0669	99%	200.7 µg/mL	+/- 5.1857
6	n-Octadecane (C18)	593-45-3	UE5NG	99%	200.7 µg/mL	+/- 5.1857
7	n-Eicosane (C20)	112-95-8	MKCN8767	97%	200.9 µg/mL	+/- 5.1888
8	n-Heneicosane (C21)	629-94-7	MKCP1960	99%	200.5 µg/mL	+/- 5.1805
9	n-Docosane (C22)	629-97-0	MKCQ3882	99%	200.5 µg/mL	+/- 5.1788
10	n-Tetracosane (C24)	646-31-1	MKCS9978	99%	200.6 µg/mL	+/- 5.1822
11	n-Hexacosane (C26)	630-01-3	MKCQ4814	99%	200.5 µg/mL	+/- 5.1796
12	n-Octacosane (C28)	630-02-4	BCCJ4566	99%	200.6 µg/mL	+/- 5.1822
13	n-Triacontane (C30)	638-68-6	MKCV7007	98%	201.1 µg/mL	+/- 5.1942
14	n-Dotriacontane (C32)	544-85-4	BCBW0661	99%	200.9 µg/mL	+/- 5.1891
15	n-Tetratriacontane (C34)	14167-59-0	6JNHB	99%	200.8 µg/mL	+/- 5.1865
16	n-Hexatriacontane (C36)	630-06-8	Z27H018	99%	200.6 µg/mL	+/- 5.1814
17	n-Octatriacontane (C38)	7194-85-6	0000207852	96%	199.3 µg/mL	+/- 5.1477

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: n-Pentane
CAS # 109-66-0
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

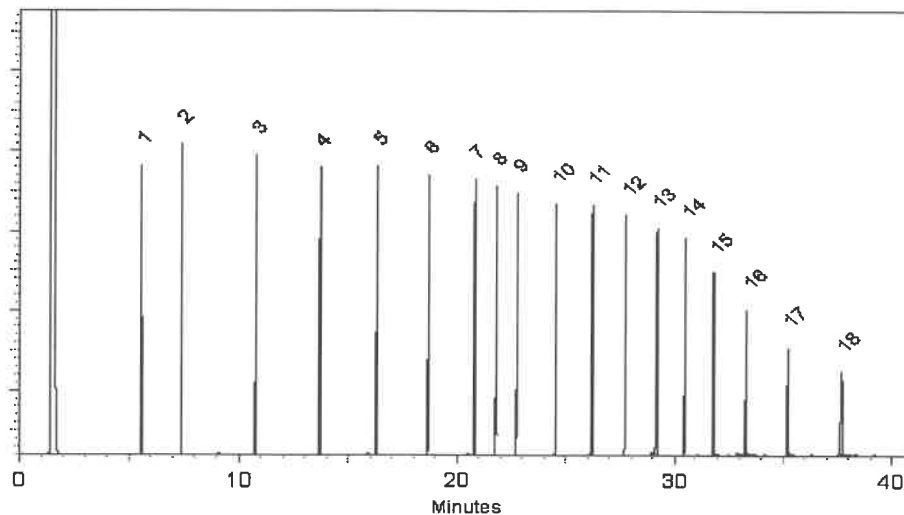
Inj. Temp:
250°C

Det. Temp:
330°C

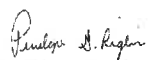
Det. Type:
FID

Split Vent:
2 ml/min.

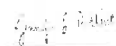
Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Penelope Riglin - Operations Tech I

Date Mixed: 03-Oct-2024 **Balance Serial #** 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 07-Oct-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30542 **Lot No.:** A0217408

Description : NJEPH Aliphatics Matrix Spike Mix

NJEPH Aliphatics Matrix Spike Mix 200 µg/mL, n-Pentane, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : November 30, 2031 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

P13800
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P13829 } YIP
12/09/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	n-Nonane (C9)	111-84-2	SHBP9752	99%	200.7 µg/mL	+/- 5.1839
2	n-Decane (C10)	124-18-5	SHBQ1342	99%	201.0 µg/mL	+/- 5.1917
3	n-Dodecane (C12)	112-40-3	SHBP7054	99%	200.5 µg/mL	+/- 5.1805
4	n-Tetradecane (C14)	629-59-4	STBL0465	99%	200.5 µg/mL	+/- 5.1805
5	n-Hexadecane (C16)	544-76-3	SHBR0669	99%	200.7 µg/mL	+/- 5.1857
6	n-Octadecane (C18)	593-45-3	UE5NG	99%	200.7 µg/mL	+/- 5.1857
7	n-Eicosane (C20)	112-95-8	MKCN8767	97%	200.9 µg/mL	+/- 5.1888
8	n-Heneicosane (C21)	629-94-7	MKCP1960	99%	200.5 µg/mL	+/- 5.1805
9	n-Docosane (C22)	629-97-0	MKCQ3882	99%	200.5 µg/mL	+/- 5.1788
10	n-Tetracosane (C24)	646-31-1	MKCS9978	99%	200.6 µg/mL	+/- 5.1822
11	n-Hexacosane (C26)	630-01-3	MKCQ4814	99%	200.5 µg/mL	+/- 5.1796
12	n-Octacosane (C28)	630-02-4	BCCJ4566	99%	200.6 µg/mL	+/- 5.1822
13	n-Triacontane (C30)	638-68-6	MKCV7007	98%	201.1 µg/mL	+/- 5.1942
14	n-Dotriacontane (C32)	544-85-4	BCBW0661	99%	200.9 µg/mL	+/- 5.1891
15	n-Tetratriacontane (C34)	14167-59-0	6JNHB	99%	200.8 µg/mL	+/- 5.1865
16	n-Hexatriacontane (C36)	630-06-8	Z27H018	99%	200.6 µg/mL	+/- 5.1814
17	n-Octatriacontane (C38)	7194-85-6	0000207852	96%	199.3 µg/mL	+/- 5.1477

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: n-Pentane
CAS # 109-66-0
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

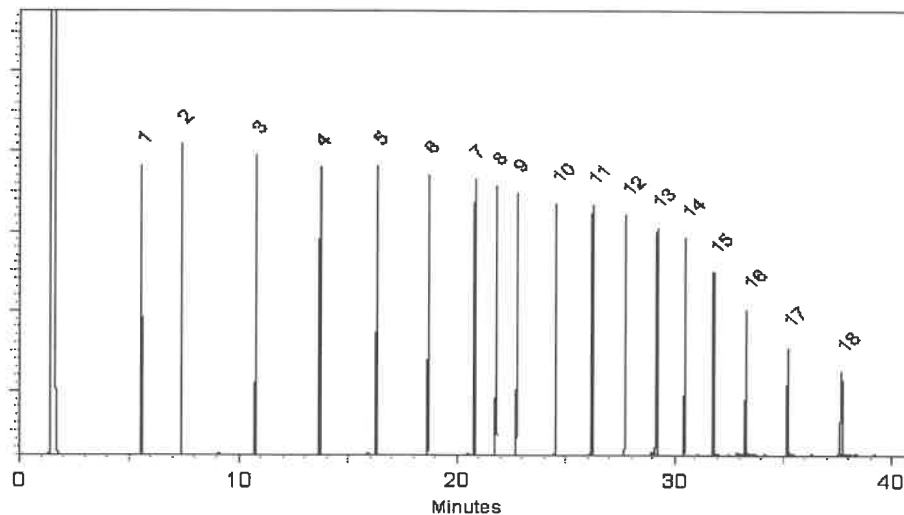
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope S. Riglin
Penelope Riglin - Operations Tech I

Date Mixed: 03-Oct-2024 **Balance Serial #** 1128353505

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 07-Oct-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30542 **Lot No.:** A0217408

Description : NJEPH Aliphatics Matrix Spike Mix

NJEPH Aliphatics Matrix Spike Mix 200 µg/mL, n-Pentane, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : November 30, 2031 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

P13800
↓
P13829 } YIP
12/09/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	n-Nonane (C9)	111-84-2	SHBP9752	99%	200.7 µg/mL	+/- 5.1839
2	n-Decane (C10)	124-18-5	SHBQ1342	99%	201.0 µg/mL	+/- 5.1917
3	n-Dodecane (C12)	112-40-3	SHBP7054	99%	200.5 µg/mL	+/- 5.1805
4	n-Tetradecane (C14)	629-59-4	STBL0465	99%	200.5 µg/mL	+/- 5.1805
5	n-Hexadecane (C16)	544-76-3	SHBR0669	99%	200.7 µg/mL	+/- 5.1857
6	n-Octadecane (C18)	593-45-3	UE5NG	99%	200.7 µg/mL	+/- 5.1857
7	n-Eicosane (C20)	112-95-8	MKCN8767	97%	200.9 µg/mL	+/- 5.1888
8	n-Heneicosane (C21)	629-94-7	MKCP1960	99%	200.5 µg/mL	+/- 5.1805
9	n-Docosane (C22)	629-97-0	MKCQ3882	99%	200.5 µg/mL	+/- 5.1788
10	n-Tetracosane (C24)	646-31-1	MKCS9978	99%	200.6 µg/mL	+/- 5.1822
11	n-Hexacosane (C26)	630-01-3	MKCQ4814	99%	200.5 µg/mL	+/- 5.1796
12	n-Octacosane (C28)	630-02-4	BCCJ4566	99%	200.6 µg/mL	+/- 5.1822
13	n-Triacontane (C30)	638-68-6	MKCV7007	98%	201.1 µg/mL	+/- 5.1942
14	n-Dotriacontane (C32)	544-85-4	BCBW0661	99%	200.9 µg/mL	+/- 5.1891
15	n-Tetratriacontane (C34)	14167-59-0	6JNHB	99%	200.8 µg/mL	+/- 5.1865
16	n-Hexatriacontane (C36)	630-06-8	Z27H018	99%	200.6 µg/mL	+/- 5.1814
17	n-Octatriacontane (C38)	7194-85-6	0000207852	96%	199.3 µg/mL	+/- 5.1477

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: n-Pentane
CAS # 109-66-0
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

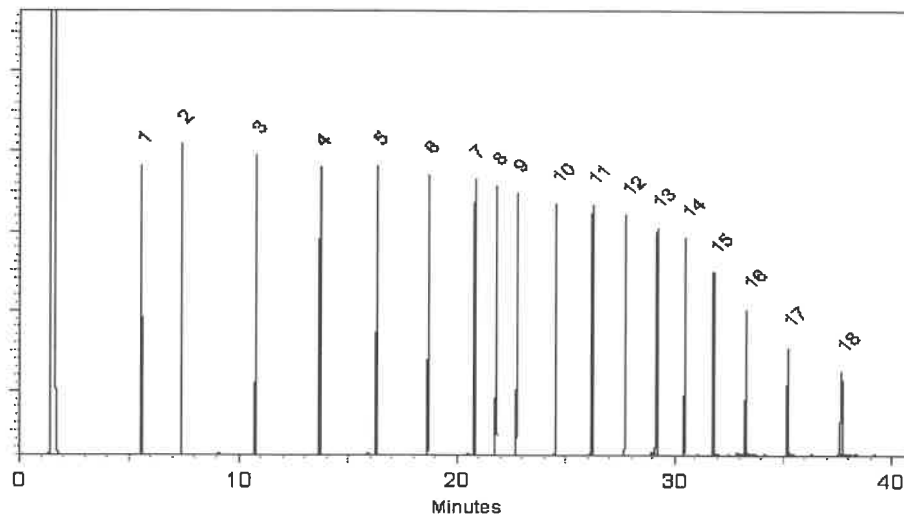
Inj. Temp:
250°C

Det. Temp:
330°C

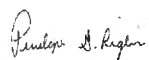
Det. Type:
FID

Split Vent:
2 ml/min.

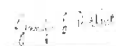
Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Penelope Riglin - Operations Tech I

Date Mixed: 03-Oct-2024 **Balance Serial #** 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 07-Oct-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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CERTIFIED REFERENCE MATERIAL

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30543 **Lot No.:** A0217838

Description : NJEPH Aromatics Matrix Spike Mix
NJEPH Aromatics Matrix Spike Mix 200µg/mL, Acetone/Toluene (50:50), 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : September 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

P13835
2
P13860 } Y-P.
12/09/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,3-Trimethylbenzene	526-73-8	8776.10-38	99%	201.6 µg/mL	+/- 9.0835
2	Naphthalene	91-20-3	STBL1057	99%	200.0 µg/mL	+/- 9.0114
3	2-Methylnaphthalene	91-57-6	STBL3028	99%	200.4 µg/mL	+/- 9.0294
4	Acenaphthylene	208-96-8	214935V18H	95%	199.1 µg/mL	+/- 8.9717
5	Acenaphthene	83-32-9	MKCR7169	99%	200.4 µg/mL	+/- 9.0294
6	Fluorene	86-73-7	10246250	98%	201.5 µg/mL	+/- 9.0784
7	Phenanthrene	85-01-8	MKCT3391	99%	201.2 µg/mL	+/- 9.0655
8	Anthracene	120-12-7	101492T18R	99%	200.0 µg/mL	+/- 9.0114
9	Fluoranthene	206-44-0	MKCQ4728	99%	200.4 µg/mL	+/- 9.0294
10	Pyrene	129-00-0	BCCK2592	99%	200.0 µg/mL	+/- 9.0114
11	Benz(a)anthracene	56-55-3	I60012022BAA	99%	200.0 µg/mL	+/- 9.0114
12	Chrysene	218-01-9	RP240627ECS	99%	200.4 µg/mL	+/- 9.0294
13	Benzo(b)fluoranthene	205-99-2	052013B	99%	201.2 µg/mL	+/- 9.0655
14	Benzo(k)fluoranthene	207-08-9	012022K	99%	201.6 µg/mL	+/- 9.0835
15	Benzo(a)pyrene	50-32-8	NQLXA	98%	199.9 µg/mL	+/- 9.0078
16	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	199.0 µg/mL	+/- 8.9683

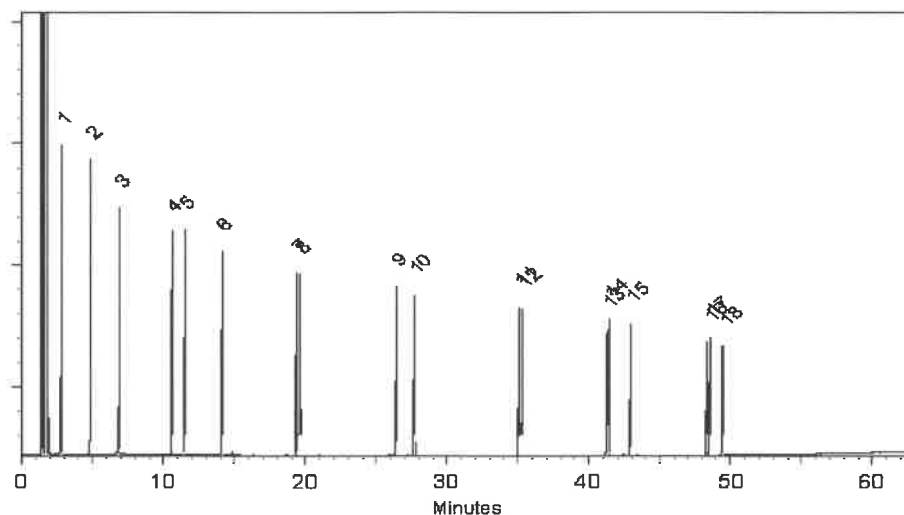
17	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	200.0 µg/mL	+/- 9.0114
18	Benzo(g,h,i)perylene	191-24-2	RP240625RSR	97%	199.0 µg/mL	+/- 8.9683

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone/Toluene (50:50)
CAS # 67-64-1/108-88-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)
Carrier Gas:
hydrogen-constant pressure 10 psi.
Temp. Program:
100°C (hold 1 min.) to 330°C
@ 4°C/min. (hold 5 min.)
Inj. Temp:
250°C
Det. Temp:
330°C
Det. Type:
FID
Split Vent:
20 ml/min.
Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Rebecca Gingerich
Rebecca Gingerich - Operations Tech II

Date Mixed: 14-Oct-2024 **Balance Serial #** 1128360905

Brittany Federinko
Brittany Federinko - Operations Tech I

Date Passed: 21-Oct-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30543 **Lot No.:** A0217838

Description : NJEPH Aromatics Matrix Spike Mix

NJEPH Aromatics Matrix Spike Mix 200µg/mL, Acetone/Toluene (50:50), 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : September 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

P13835
2
P13860 } Y-P.
12/09/12

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,3-Trimethylbenzene	526-73-8	8776.10-38	99%	201.6 µg/mL	+/- 9.0835
2	Naphthalene	91-20-3	STBL1057	99%	200.0 µg/mL	+/- 9.0114
3	2-Methylnaphthalene	91-57-6	STBL3028	99%	200.4 µg/mL	+/- 9.0294
4	Acenaphthylene	208-96-8	214935V18H	95%	199.1 µg/mL	+/- 8.9717
5	Acenaphthene	83-32-9	MKCR7169	99%	200.4 µg/mL	+/- 9.0294
6	Fluorene	86-73-7	10246250	98%	201.5 µg/mL	+/- 9.0784
7	Phenanthrene	85-01-8	MKCT3391	99%	201.2 µg/mL	+/- 9.0655
8	Anthracene	120-12-7	101492T18R	99%	200.0 µg/mL	+/- 9.0114
9	Fluoranthene	206-44-0	MKCQ4728	99%	200.4 µg/mL	+/- 9.0294
10	Pyrene	129-00-0	BCCK2592	99%	200.0 µg/mL	+/- 9.0114
11	Benz(a)anthracene	56-55-3	I60012022BAA	99%	200.0 µg/mL	+/- 9.0114
12	Chrysene	218-01-9	RP240627ECS	99%	200.4 µg/mL	+/- 9.0294
13	Benzo(b)fluoranthene	205-99-2	052013B	99%	201.2 µg/mL	+/- 9.0655
14	Benzo(k)fluoranthene	207-08-9	012022K	99%	201.6 µg/mL	+/- 9.0835
15	Benzo(a)pyrene	50-32-8	NQLXA	98%	199.9 µg/mL	+/- 9.0078
16	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	199.0 µg/mL	+/- 8.9683

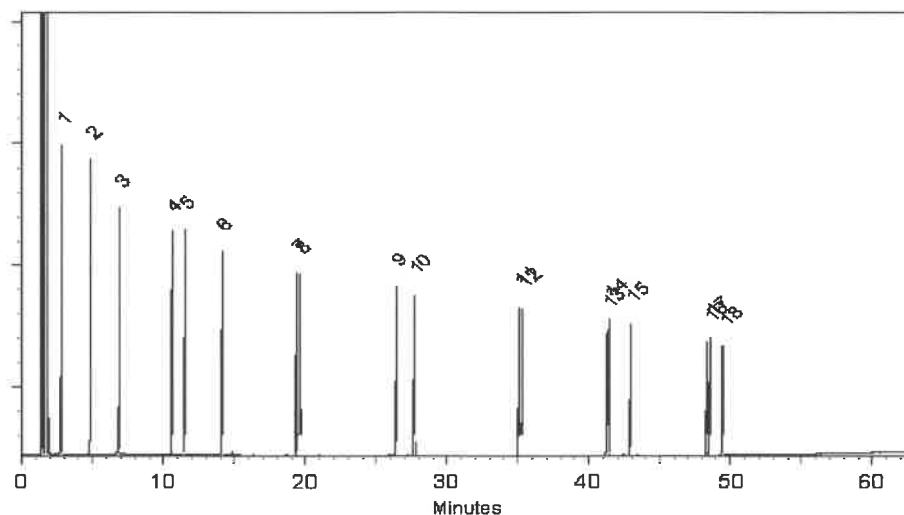
17	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	200.0 µg/mL	+/- 9.0114
18	Benzo(g,h,i)perylene	191-24-2	RP240625RSR	97%	199.0 µg/mL	+/- 8.9683

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone/Toluene (50:50)
CAS # 67-64-1/108-88-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)
Carrier Gas:
hydrogen-constant pressure 10 psi.
Temp. Program:
100°C (hold 1 min.) to 330°C
@ 4°C/min. (hold 5 min.)
Inj. Temp:
250°C
Det. Temp:
330°C
Det. Type:
FID
Split Vent:
20 ml/min.
Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Rebecca Gingerich
Rebecca Gingerich - Operations Tech II

Date Mixed: 14-Oct-2024 **Balance Serial #** 1128360905

Brittany Federinko
Brittany Federinko - Operations Tech I

Date Passed: 21-Oct-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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Certificate of Analysis

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30543 **Lot No.:** A0217838

Description : NJEPH Aromatics Matrix Spike Mix
NJEPH Aromatics Matrix Spike Mix 200µg/mL, Acetone/Toluene (50:50), 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : September 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

P13835
2
P13860 } Y-P.
12/09/12

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,3-Trimethylbenzene	526-73-8	8776.10-38	99%	201.6 µg/mL	+/- 9.0835
2	Naphthalene	91-20-3	STBL1057	99%	200.0 µg/mL	+/- 9.0114
3	2-Methylnaphthalene	91-57-6	STBL3028	99%	200.4 µg/mL	+/- 9.0294
4	Acenaphthylene	208-96-8	214935V18H	95%	199.1 µg/mL	+/- 8.9717
5	Acenaphthene	83-32-9	MKCR7169	99%	200.4 µg/mL	+/- 9.0294
6	Fluorene	86-73-7	10246250	98%	201.5 µg/mL	+/- 9.0784
7	Phenanthrene	85-01-8	MKCT3391	99%	201.2 µg/mL	+/- 9.0655
8	Anthracene	120-12-7	101492T18R	99%	200.0 µg/mL	+/- 9.0114
9	Fluoranthene	206-44-0	MKCQ4728	99%	200.4 µg/mL	+/- 9.0294
10	Pyrene	129-00-0	BCCK2592	99%	200.0 µg/mL	+/- 9.0114
11	Benz(a)anthracene	56-55-3	I60012022BAA	99%	200.0 µg/mL	+/- 9.0114
12	Chrysene	218-01-9	RP240627ECS	99%	200.4 µg/mL	+/- 9.0294
13	Benzo(b)fluoranthene	205-99-2	052013B	99%	201.2 µg/mL	+/- 9.0655
14	Benzo(k)fluoranthene	207-08-9	012022K	99%	201.6 µg/mL	+/- 9.0835
15	Benzo(a)pyrene	50-32-8	NQLXA	98%	199.9 µg/mL	+/- 9.0078
16	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	199.0 µg/mL	+/- 8.9683

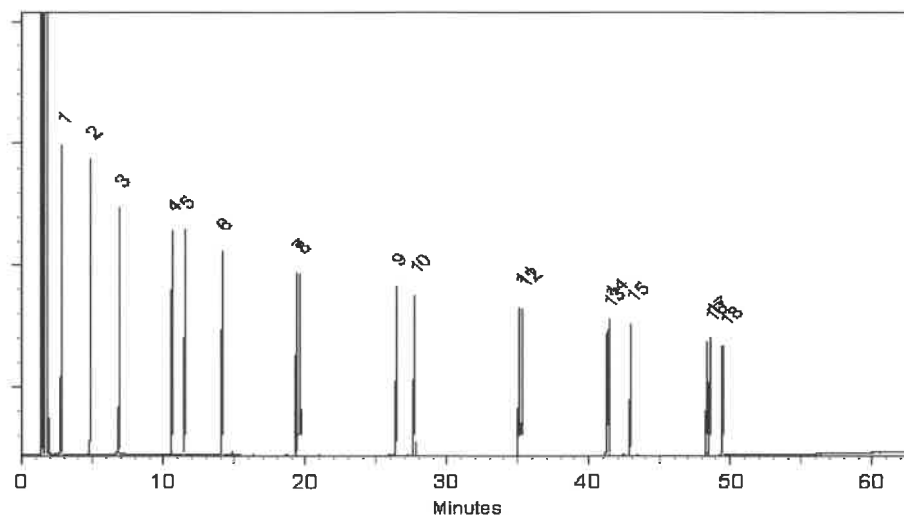
17	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	200.0 µg/mL	+/- 9.0114
18	Benzo(g,h,i)perylene	191-24-2	RP240625RSR	97%	199.0 µg/mL	+/- 8.9683

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone/Toluene (50:50)
CAS # 67-64-1/108-88-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)
Carrier Gas:
hydrogen-constant pressure 10 psi.
Temp. Program:
100°C (hold 1 min.) to 330°C
@ 4°C/min. (hold 5 min.)
Inj. Temp:
250°C
Det. Temp:
330°C
Det. Type:
FID
Split Vent:
20 ml/min.
Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Rebecca Gingerich
Rebecca Gingerich - Operations Tech II

Date Mixed: 14-Oct-2024 **Balance Serial #** 1128360905

Brittany Federinko
Brittany Federinko - Operations Tech I

Date Passed: 21-Oct-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30543 **Lot No.:** A0217838

Description : NJEPH Aromatics Matrix Spike Mix
NJEPH Aromatics Matrix Spike Mix 200µg/mL, Acetone/Toluene (50:50), 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : September 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

P13835
2
P13860 } Y-P.
12/09/12

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,3-Trimethylbenzene	526-73-8	8776.10-38	99%	201.6 µg/mL	+/- 9.0835
2	Naphthalene	91-20-3	STBL1057	99%	200.0 µg/mL	+/- 9.0114
3	2-Methylnaphthalene	91-57-6	STBL3028	99%	200.4 µg/mL	+/- 9.0294
4	Acenaphthylene	208-96-8	214935V18H	95%	199.1 µg/mL	+/- 8.9717
5	Acenaphthene	83-32-9	MKCR7169	99%	200.4 µg/mL	+/- 9.0294
6	Fluorene	86-73-7	10246250	98%	201.5 µg/mL	+/- 9.0784
7	Phenanthrene	85-01-8	MKCT3391	99%	201.2 µg/mL	+/- 9.0655
8	Anthracene	120-12-7	101492T18R	99%	200.0 µg/mL	+/- 9.0114
9	Fluoranthene	206-44-0	MKCQ4728	99%	200.4 µg/mL	+/- 9.0294
10	Pyrene	129-00-0	BCCK2592	99%	200.0 µg/mL	+/- 9.0114
11	Benz(a)anthracene	56-55-3	I60012022BAA	99%	200.0 µg/mL	+/- 9.0114
12	Chrysene	218-01-9	RP240627ECS	99%	200.4 µg/mL	+/- 9.0294
13	Benzo(b)fluoranthene	205-99-2	052013B	99%	201.2 µg/mL	+/- 9.0655
14	Benzo(k)fluoranthene	207-08-9	012022K	99%	201.6 µg/mL	+/- 9.0835
15	Benzo(a)pyrene	50-32-8	NQLXA	98%	199.9 µg/mL	+/- 9.0078
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18	Benzo(g,h,i)perylene	191-24-2	RP240625RSR	97%	199.0 µg/mL	+/- 8.9683

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone/Toluene (50:50)
CAS # 67-64-1/108-88-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
100°C (hold 1 min.) to 330°C
@ 4°C/min. (hold 5 min.)

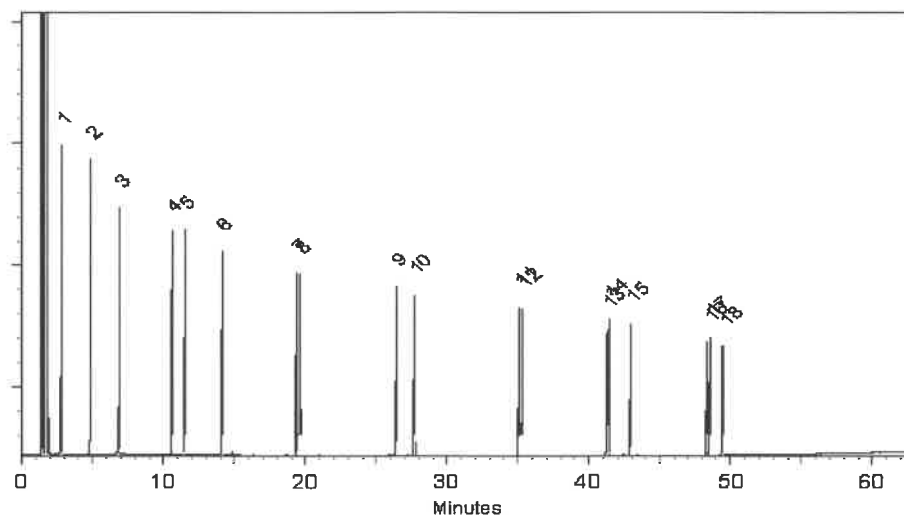
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
20 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Rebecca Gingerich
Rebecca Gingerich - Operations Tech II

Date Mixed: 14-Oct-2024 **Balance Serial #** 1128360905

Brittany Federinko
Brittany Federinko - Operations Tech I

Date Passed: 21-Oct-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30543 **Lot No.:** A0217838

Description : NJEPH Aromatics Matrix Spike Mix

NJEPH Aromatics Matrix Spike Mix 200µg/mL, Acetone/Toluene (50:50), 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : September 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

P13835
2
P13860 } Y-P.
12/09/12

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,3-Trimethylbenzene	526-73-8	8776.10-38	99%	201.6 µg/mL	+/- 9.0835
2	Naphthalene	91-20-3	STBL1057	99%	200.0 µg/mL	+/- 9.0114
3	2-Methylnaphthalene	91-57-6	STBL3028	99%	200.4 µg/mL	+/- 9.0294
4	Acenaphthylene	208-96-8	214935V18H	95%	199.1 µg/mL	+/- 8.9717
5	Acenaphthene	83-32-9	MKCR7169	99%	200.4 µg/mL	+/- 9.0294
6	Fluorene	86-73-7	10246250	98%	201.5 µg/mL	+/- 9.0784
7	Phenanthrene	85-01-8	MKCT3391	99%	201.2 µg/mL	+/- 9.0655
8	Anthracene	120-12-7	101492T18R	99%	200.0 µg/mL	+/- 9.0114
9	Fluoranthene	206-44-0	MKCQ4728	99%	200.4 µg/mL	+/- 9.0294
10	Pyrene	129-00-0	BCCK2592	99%	200.0 µg/mL	+/- 9.0114
11	Benz(a)anthracene	56-55-3	I60012022BAA	99%	200.0 µg/mL	+/- 9.0114
12	Chrysene	218-01-9	RP240627ECS	99%	200.4 µg/mL	+/- 9.0294
13	Benzo(b)fluoranthene	205-99-2	052013B	99%	201.2 µg/mL	+/- 9.0655
14	Benzo(k)fluoranthene	207-08-9	012022K	99%	201.6 µg/mL	+/- 9.0835
15	Benzo(a)pyrene	50-32-8	NQLXA	98%	199.9 µg/mL	+/- 9.0078
16	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	199.0 µg/mL	+/- 8.9683

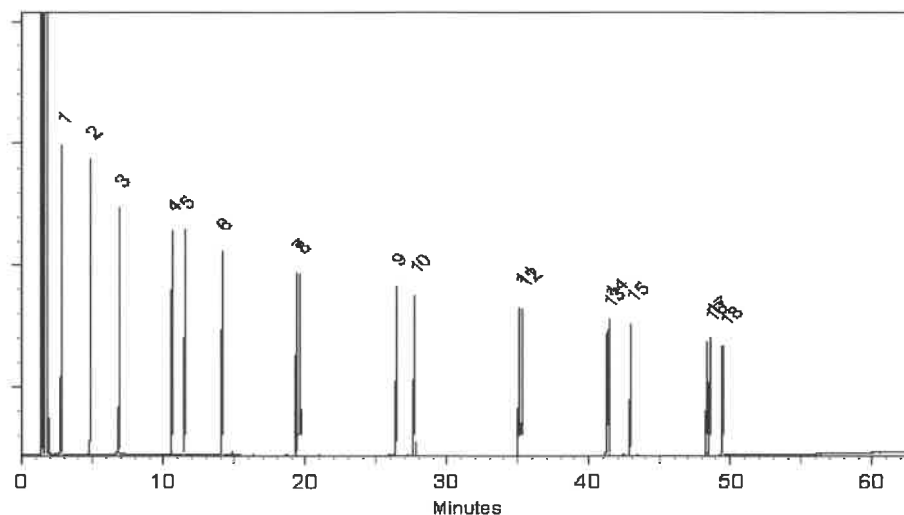
17	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	200.0 µg/mL	+/- 9.0114
18	Benzo(g,h,i)perylene	191-24-2	RP240625RSR	97%	199.0 µg/mL	+/- 8.9683

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone/Toluene (50:50)
CAS # 67-64-1/108-88-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)
Carrier Gas:
hydrogen-constant pressure 10 psi.
Temp. Program:
100°C (hold 1 min.) to 330°C
@ 4°C/min. (hold 5 min.)
Inj. Temp:
250°C
Det. Temp:
330°C
Det. Type:
FID
Split Vent:
20 ml/min.
Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Rebecca Gingerich
Rebecca Gingerich - Operations Tech II

Date Mixed: 14-Oct-2024 **Balance Serial #** 1128360905

Brittany Federinko
Brittany Federinko - Operations Tech I

Date Passed: 21-Oct-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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Certificate of Analysis

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30543 **Lot No.:** A0217838

Description : NJEPH Aromatics Matrix Spike Mix
NJEPH Aromatics Matrix Spike Mix 200µg/mL, Acetone/Toluene (50:50), 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : September 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

P13835
2
P13860 } Y-P.
12/09/12

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,3-Trimethylbenzene	526-73-8	8776.10-38	99%	201.6 µg/mL	+/- 9.0835
2	Naphthalene	91-20-3	STBL1057	99%	200.0 µg/mL	+/- 9.0114
3	2-Methylnaphthalene	91-57-6	STBL3028	99%	200.4 µg/mL	+/- 9.0294
4	Acenaphthylene	208-96-8	214935V18H	95%	199.1 µg/mL	+/- 8.9717
5	Acenaphthene	83-32-9	MKCR7169	99%	200.4 µg/mL	+/- 9.0294
6	Fluorene	86-73-7	10246250	98%	201.5 µg/mL	+/- 9.0784
7	Phenanthrene	85-01-8	MKCT3391	99%	201.2 µg/mL	+/- 9.0655
8	Anthracene	120-12-7	101492T18R	99%	200.0 µg/mL	+/- 9.0114
9	Fluoranthene	206-44-0	MKCQ4728	99%	200.4 µg/mL	+/- 9.0294
10	Pyrene	129-00-0	BCCK2592	99%	200.0 µg/mL	+/- 9.0114
11	Benz(a)anthracene	56-55-3	I60012022BAA	99%	200.0 µg/mL	+/- 9.0114
12	Chrysene	218-01-9	RP240627ECS	99%	200.4 µg/mL	+/- 9.0294
13	Benzo(b)fluoranthene	205-99-2	052013B	99%	201.2 µg/mL	+/- 9.0655
14	Benzo(k)fluoranthene	207-08-9	012022K	99%	201.6 µg/mL	+/- 9.0835
15	Benzo(a)pyrene	50-32-8	NQLXA	98%	199.9 µg/mL	+/- 9.0078
16	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	199.0 µg/mL	+/- 8.9683

17	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	200.0 µg/mL	+/- 9.0114
18	Benzo(g,h,i)perylene	191-24-2	RP240625RSR	97%	199.0 µg/mL	+/- 8.9683

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone/Toluene (50:50)
CAS # 67-64-1/108-88-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
100°C (hold 1 min.) to 330°C
@ 4°C/min. (hold 5 min.)

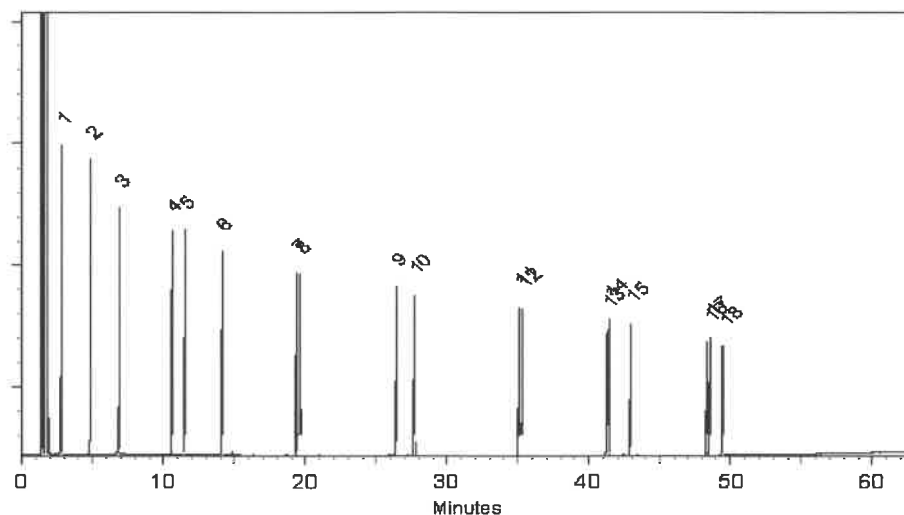
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
20 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Rebecca Gingerich
Rebecca Gingerich - Operations Tech II

Date Mixed: 14-Oct-2024 **Balance Serial #** 1128360905

Brittany Federinko
Brittany Federinko - Operations Tech I

Date Passed: 21-Oct-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30543 **Lot No.:** A0217838

Description : NJEPH Aromatics Matrix Spike Mix

NJEPH Aromatics Matrix Spike Mix 200µg/mL, Acetone/Toluene (50:50), 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : September 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

P13835
2
P13860 } Y-P.
12/09/12

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,3-Trimethylbenzene	526-73-8	8776.10-38	99%	201.6 µg/mL	+/- 9.0835
2	Naphthalene	91-20-3	STBL1057	99%	200.0 µg/mL	+/- 9.0114
3	2-Methylnaphthalene	91-57-6	STBL3028	99%	200.4 µg/mL	+/- 9.0294
4	Acenaphthylene	208-96-8	214935V18H	95%	199.1 µg/mL	+/- 8.9717
5	Acenaphthene	83-32-9	MKCR7169	99%	200.4 µg/mL	+/- 9.0294
6	Fluorene	86-73-7	10246250	98%	201.5 µg/mL	+/- 9.0784
7	Phenanthrene	85-01-8	MKCT3391	99%	201.2 µg/mL	+/- 9.0655
8	Anthracene	120-12-7	101492T18R	99%	200.0 µg/mL	+/- 9.0114
9	Fluoranthene	206-44-0	MKCQ4728	99%	200.4 µg/mL	+/- 9.0294
10	Pyrene	129-00-0	BCCK2592	99%	200.0 µg/mL	+/- 9.0114
11	Benz(a)anthracene	56-55-3	I60012022BAA	99%	200.0 µg/mL	+/- 9.0114
12	Chrysene	218-01-9	RP240627ECS	99%	200.4 µg/mL	+/- 9.0294
13	Benzo(b)fluoranthene	205-99-2	052013B	99%	201.2 µg/mL	+/- 9.0655
14	Benzo(k)fluoranthene	207-08-9	012022K	99%	201.6 µg/mL	+/- 9.0835
15	Benzo(a)pyrene	50-32-8	NQLXA	98%	199.9 µg/mL	+/- 9.0078
16	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	199.0 µg/mL	+/- 8.9683

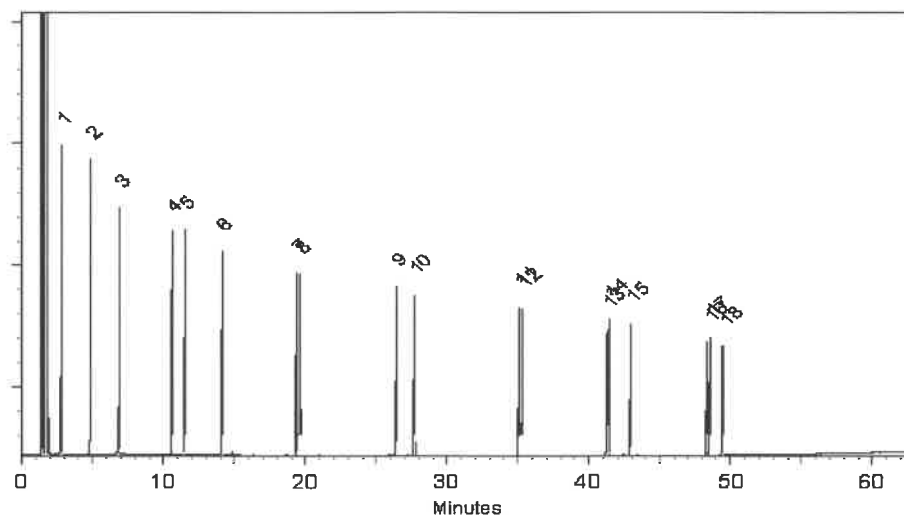
17	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	200.0 µg/mL	+/- 9.0114
18	Benzo(g,h,i)perylene	191-24-2	RP240625RSR	97%	199.0 µg/mL	+/- 8.9683

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone/Toluene (50:50)
CAS # 67-64-1/108-88-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)
Carrier Gas:
hydrogen-constant pressure 10 psi.
Temp. Program:
100°C (hold 1 min.) to 330°C
@ 4°C/min. (hold 5 min.)
Inj. Temp:
250°C
Det. Temp:
330°C
Det. Type:
FID
Split Vent:
20 ml/min.
Inj. Vol
1µl



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Rebecca Gingerich
Rebecca Gingerich - Operations Tech II

Date Mixed: 14-Oct-2024 **Balance Serial #** 1128360905

Brittany Federinko
Brittany Federinko - Operations Tech I

Date Passed: 21-Oct-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30543 **Lot No.:** A0217838

Description : NJEPH Aromatics Matrix Spike Mix
NJEPH Aromatics Matrix Spike Mix 200µg/mL, Acetone/Toluene (50:50), 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : September 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

P13835
2
P13860 } Y-P.
12/09/12

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,3-Trimethylbenzene	526-73-8	8776.10-38	99%	201.6 µg/mL	+/- 9.0835
2	Naphthalene	91-20-3	STBL1057	99%	200.0 µg/mL	+/- 9.0114
3	2-Methylnaphthalene	91-57-6	STBL3028	99%	200.4 µg/mL	+/- 9.0294
4	Acenaphthylene	208-96-8	214935V18H	95%	199.1 µg/mL	+/- 8.9717
5	Acenaphthene	83-32-9	MKCR7169	99%	200.4 µg/mL	+/- 9.0294
6	Fluorene	86-73-7	10246250	98%	201.5 µg/mL	+/- 9.0784
7	Phenanthrene	85-01-8	MKCT3391	99%	201.2 µg/mL	+/- 9.0655
8	Anthracene	120-12-7	101492T18R	99%	200.0 µg/mL	+/- 9.0114
9	Fluoranthene	206-44-0	MKCQ4728	99%	200.4 µg/mL	+/- 9.0294
10	Pyrene	129-00-0	BCCK2592	99%	200.0 µg/mL	+/- 9.0114
11	Benz(a)anthracene	56-55-3	I60012022BAA	99%	200.0 µg/mL	+/- 9.0114
12	Chrysene	218-01-9	RP240627ECS	99%	200.4 µg/mL	+/- 9.0294
13	Benzo(b)fluoranthene	205-99-2	052013B	99%	201.2 µg/mL	+/- 9.0655
14	Benzo(k)fluoranthene	207-08-9	012022K	99%	201.6 µg/mL	+/- 9.0835
15	Benzo(a)pyrene	50-32-8	NQLXA	98%	199.9 µg/mL	+/- 9.0078
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18	Benzo(g,h,i)perylene	191-24-2	RP240625RSR	97%	199.0 µg/mL	+/- 8.9683

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone/Toluene (50:50)
CAS # 67-64-1/108-88-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
100°C (hold 1 min.) to 330°C
@ 4°C/min. (hold 5 min.)

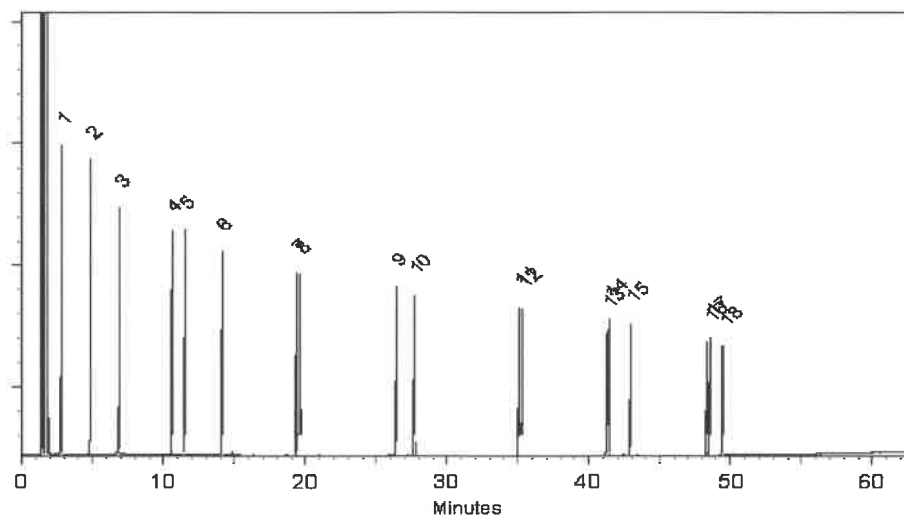
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
20 ml/min.

Inj. Vol
1µl



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Rebecca Gingerich
Rebecca Gingerich - Operations Tech II

Date Mixed: 14-Oct-2024 **Balance Serial #** 1128360905

Brittany Federinko
Brittany Federinko - Operations Tech I

Date Passed: 21-Oct-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



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Catalog No. : 30543 **Lot No.:** A0217838

Description : NJEPH Aromatics Matrix Spike Mix

NJEPH Aromatics Matrix Spike Mix 200µg/mL, Acetone/Toluene (50:50), 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : September 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

P13835
2
P13860 } Y-P.
12/09/12

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,3-Trimethylbenzene	526-73-8	8776.10-38	99%	201.6 µg/mL	+/- 9.0835
2	Naphthalene	91-20-3	STBL1057	99%	200.0 µg/mL	+/- 9.0114
3	2-Methylnaphthalene	91-57-6	STBL3028	99%	200.4 µg/mL	+/- 9.0294
4	Acenaphthylene	208-96-8	214935V18H	95%	199.1 µg/mL	+/- 8.9717
5	Acenaphthene	83-32-9	MKCR7169	99%	200.4 µg/mL	+/- 9.0294
6	Fluorene	86-73-7	10246250	98%	201.5 µg/mL	+/- 9.0784
7	Phenanthrene	85-01-8	MKCT3391	99%	201.2 µg/mL	+/- 9.0655
8	Anthracene	120-12-7	101492T18R	99%	200.0 µg/mL	+/- 9.0114
9	Fluoranthene	206-44-0	MKCQ4728	99%	200.4 µg/mL	+/- 9.0294
10	Pyrene	129-00-0	BCCK2592	99%	200.0 µg/mL	+/- 9.0114
11	Benz(a)anthracene	56-55-3	I60012022BAA	99%	200.0 µg/mL	+/- 9.0114
12	Chrysene	218-01-9	RP240627ECS	99%	200.4 µg/mL	+/- 9.0294
13	Benzo(b)fluoranthene	205-99-2	052013B	99%	201.2 µg/mL	+/- 9.0655
14	Benzo(k)fluoranthene	207-08-9	012022K	99%	201.6 µg/mL	+/- 9.0835
15	Benzo(a)pyrene	50-32-8	NQLXA	98%	199.9 µg/mL	+/- 9.0078
16	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	199.0 µg/mL	+/- 8.9683

17	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	200.0 µg/mL	+/- 9.0114
18	Benzo(g,h,i)perylene	191-24-2	RP240625RSR	97%	199.0 µg/mL	+/- 8.9683

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone/Toluene (50:50)
CAS # 67-64-1/108-88-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
100°C (hold 1 min.) to 330°C
@ 4°C/min. (hold 5 min.)

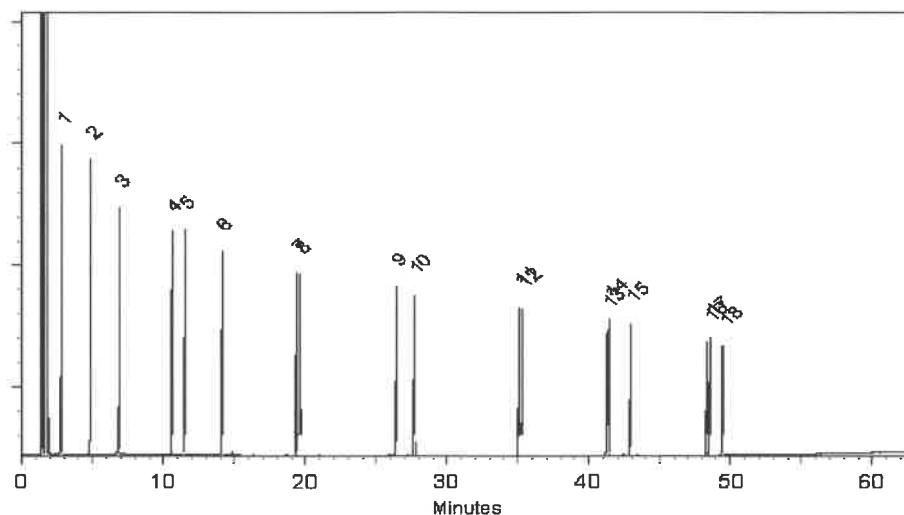
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
20 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Rebecca Gingerich
Rebecca Gingerich - Operations Tech II

Date Mixed: 14-Oct-2024 **Balance Serial #** 1128360905

Brittany Federinko
Brittany Federinko - Operations Tech I

Date Passed: 21-Oct-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30543 **Lot No.:** A0217838

Description : NJEPH Aromatics Matrix Spike Mix
NJEPH Aromatics Matrix Spike Mix 200µg/mL, Acetone/Toluene (50:50), 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : September 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

P13835
2
P13860 } Y-P.
12/09/12

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,3-Trimethylbenzene	526-73-8	8776.10-38	99%	201.6 µg/mL	+/- 9.0835
2	Naphthalene	91-20-3	STBL1057	99%	200.0 µg/mL	+/- 9.0114
3	2-Methylnaphthalene	91-57-6	STBL3028	99%	200.4 µg/mL	+/- 9.0294
4	Acenaphthylene	208-96-8	214935V18H	95%	199.1 µg/mL	+/- 8.9717
5	Acenaphthene	83-32-9	MKCR7169	99%	200.4 µg/mL	+/- 9.0294
6	Fluorene	86-73-7	10246250	98%	201.5 µg/mL	+/- 9.0784
7	Phenanthrene	85-01-8	MKCT3391	99%	201.2 µg/mL	+/- 9.0655
8	Anthracene	120-12-7	101492T18R	99%	200.0 µg/mL	+/- 9.0114
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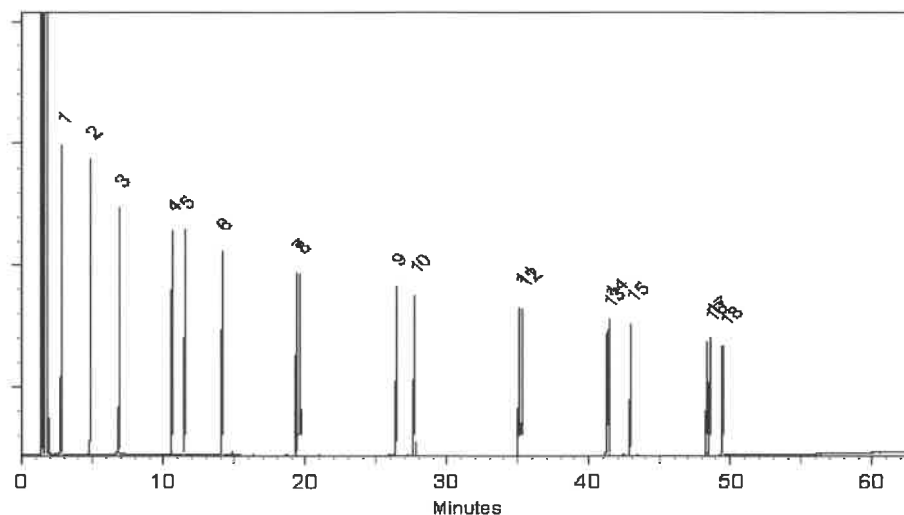
17	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	200.0 µg/mL	+/- 9.0114
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* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone/Toluene (50:50)
CAS # 67-64-1/108-88-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)
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hydrogen-constant pressure 10 psi.
Temp. Program:
100°C (hold 1 min.) to 330°C
@ 4°C/min. (hold 5 min.)
Inj. Temp:
250°C
Det. Temp:
330°C
Det. Type:
FID
Split Vent:
20 ml/min.
Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Rebecca Gingerich
Rebecca Gingerich - Operations Tech II

Date Mixed: 14-Oct-2024 **Balance Serial #** 1128360905

Brittany Federinko
Brittany Federinko - Operations Tech I

Date Passed: 21-Oct-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

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Manufacturing Notes:

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Handling Notes:

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- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



SHIPPING DOCUMENTS



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1236	SCIA01	Order Date : 1/30/2025 12:48:00 PM	Project Mgr :
Client Name : Sciacca General Contractor		Project Name : 1063 Lafayette Ave, Hawth	Report Type : Results Only
Client Contact : Daniel Scirica		Receive DateTime : 1/30/2025 6:00:00 PM	EDD Type : EXCEL NJCLEANUP
Invoice Name : Sciacca General Contractor		Purchase Order :	Hard Copy Date :
Invoice Contact : Daniel Scirica			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1236-02	VOC	Solid	01/30/2025	07:45	VOC-TCLVOA-10		8260D		10 Bus. Days

Relinquished By : 

Date / Time : 1-31-25 11:40

Received By : 

Date / Time : 1-31-25 11:40

Storage Area : VOA Refridgerator Room