

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:	P4518	OrderDate:	10/23/2024 3:37:00 PM
Client:	ENTACT	Project:	North Point
Contact:	Wyatt Seel	Location:	K61

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4518-01	EX-5-TPH-1	SOIL			10/23/24			10/23/24
			Diesel Range Organics	8015D		10/24/24	10/25/24	
			Gasoline Range Organics	8015D			10/25/24	
P4518-02	EX-5-TPH-2	SOIL			10/23/24			10/23/24
			Diesel Range Organics	8015D		10/24/24	10/25/24	
			Gasoline Range Organics	8015D			10/25/24	
P4518-03	EX-5-TPH-3	SOIL			10/23/24			10/23/24
			Diesel Range Organics	8015D		10/24/24	10/25/24	
			Gasoline Range Organics	8015D			10/25/24	
P4518-04	EX-5-TPH-4	SOIL			10/23/24			10/23/24
			Diesel Range Organics	8015D		10/24/24	10/25/24	
			Gasoline Range Organics	8015D			10/25/24	
P4518-05	EX-5-TPH-5	SOIL			10/23/24			10/23/24
			Diesel Range Organics	8015D		10/24/24	10/25/24	
			Gasoline Range Organics	8015D			10/25/24	



QC SUMMARY

SOIL DIESEL RANGE ORGANICS SURROGATE RECOVERY

Lab Name: Chemtech Client: ENTACT
Lab Code: CHEM Case No.: P4518 SAS No.: P4518 SDG No.: P4518

EPA SAMPLE NO.	S1 TETRACOSANE-d50	S2	S3	S4	TOT OUT
PIBLK-FF014756.D	82				0
PIBLK-FF014763.D	85				0
PIBLK-FF014772.D	80				0
PIBLK-FF014775.D	99				0
PIBLK-FF014786.D	83				0
EX-5-TPH-1	0 *				1
EX-5-TPH-1MS	58				0
EX-5-TPH-1MSD	53				0
EX-5-TPH-2	0 *				1
EX-5-TPH-3	59				0
EX-5-TPH-4	0 *				1
EX-5-TPH-5	0 *				1
PB164381BL	77				0
PB164381BS	80				0

QC LIMITS

TETRACOSANE-d50

For Water : 29-130
For Soil : 37-130

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate Diluted Out

SOIL DIESEL RANGE ORGANICS MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** ENTACT
Lab Code: CHEM **Cas No:** P4518 **SAS No :** P4518 **SDG No:** P4518
Client SampleID : EX-5-TPH-1MS **Datafile:** FF014766.D

COMPOUND	SPIKE ADDED ug/kg	SAMPLE CONCENTRATION ug/kg	MS/MSD CONCENTRATION ug/kg	% REC	Qual	QC LIMITS
DRO	8478	1390000	968000	-4978%	*	68-131

SOIL DIESEL RANGE ORGANICS MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** ENTACT
Lab Code: CHEM **Cas No:** P4518 **SAS No :** P4518 **SDG No:** P4518
Client SampleID : EX-5-TPH-1MSD **Datafile:** FF014767.D

COMPOUND	SPIKE ADDED ug/kg	SAMPLE CONCENTRATION ug/kg	MS/MSD CONCENTRATION ug/kg	% REC	Qual	QC LIMITS
DRO	8484	1390000	917000	-5575%	*	68-131

MS/MSD % Recovery RPD : 11.3

SOIL DIESEL RANGE ORGANICS LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RI

Lab Name: Chemtech **Client:** ENTACT
Lab Code: CHEM **Cas No:** P4518 **SAS No :** P4518 **SDG No:** P4518
Matrix Spike - EPA Sample No : PB164381BS **Datafile:** FF014760.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS
DRO	6664	0	6639	100	68-131

4B
METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164381BL

Lab Name: CHEMTECH

Contract: ENTA05

Lab Code: CHEM Case No.: P4518

SAS No.: P4518 SDG NO.: P4518

Lab File ID: FF014759.D

Lab Sample ID: PB164381BL

Instrument ID: FF

Date Extracted: 10/24/2024

Matrix: (soil/water) Soil

Date Analyzed: 10/24/24

Level: (low/med) low

Time Analyzed: 14:33

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB164381BS	PB164381BS	FF014760.D	10/24/24
EX-5-TPH-1MS	P4518-01MS	FF014766.D	10/24/24
EX-5-TPH-1MSD	P4518-01MSD	FF014767.D	10/24/24
EX-5-TPH-1	P4518-01	FF014779.D	10/25/24
EX-5-TPH-3	P4518-03	FF014782.D	10/25/24
EX-5-TPH-2	P4518-02	FF014783.D	10/25/24
EX-5-TPH-5	P4518-05	FF014784.D	10/25/24
EX-5-TPH-4	P4518-04	FF014785.D	10/25/24

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	ENTACT		Date Collected:	10/23/24	
Project:	North Point		Date Received:	10/23/24	
Client Sample ID:	EX-5-TPH-1		SDG No.:	P4518	
Lab Sample ID:	P4518-01		Matrix:	SOIL	
Analytical Method:	8015D DRO		% Solid:	78.5	Decanted:
Sample Wt/Vol:	30.09	Units: g	Final Vol:	1	mL
Soil Aliquot Vol:		uL	Test:	Diesel Range Organics	
Extraction Type:			Injection Volume :		
GPC Factor :		PH :			
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF014779.D	50	10/24/24 11:10	10/25/24 8:55	PB164381

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	1650000		11700	106000	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	0.00	*	37 - 130	0%	SPK: 20

Comments:

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 P = Indicates >25% difference for detected concentrations between the two GC columns
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance 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
 S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
 () = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102524\
Data File : FF014779.D
Signal(s) : FID2B.ch
Acq On : 25 Oct 2024 08:55
Operator : YP\AJ
Sample : P4518-01 50X
Misc :
ALS Vial : 62 Sample Multiplier: 1

Integration File: Sample.e
Quant Time: Oct 26 04:02:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Quant Title :
QLast Update : Tue Oct 22 08:35:55 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
Target Compounds			

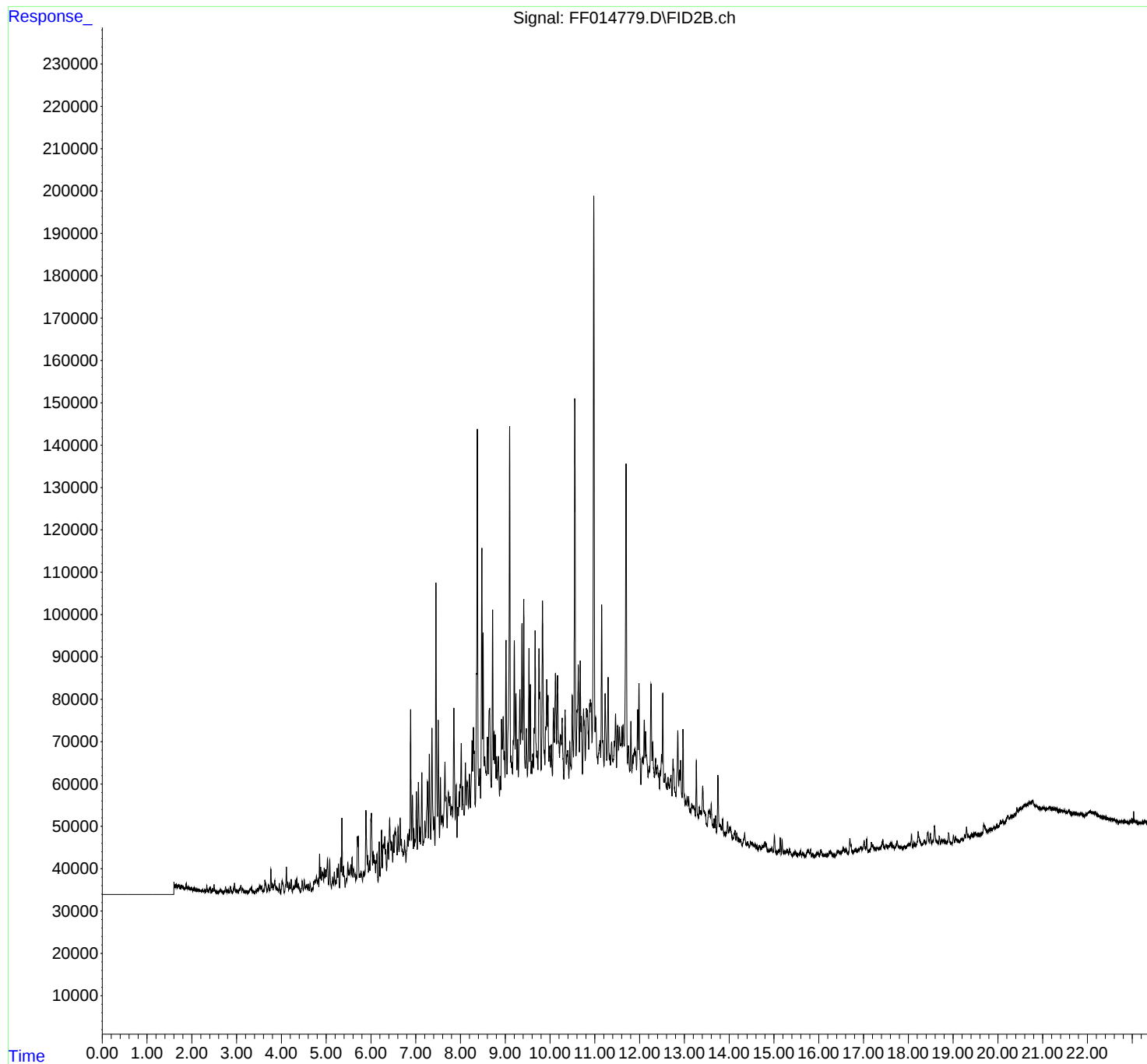
(f)=RT Delta > 1/2 Window

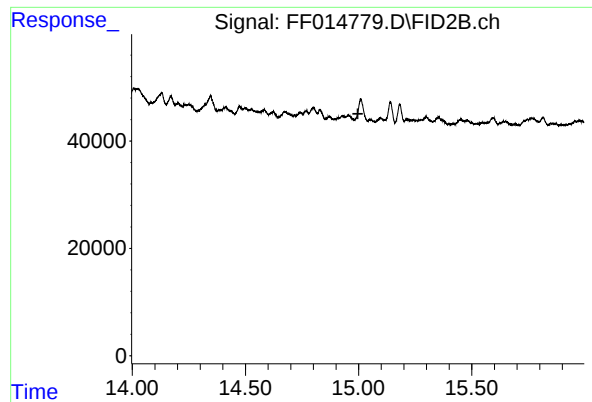
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102524\
Data File : FF014779.D
Signal(s) : FID2B.ch
Acq On : 25 Oct 2024 08:55
Operator : YP\AJ
Sample : P4518-01 50X
Misc :
ALS Vial : 62 Sample Multiplier: 1

Integration File: Sample.e
Quant Time: Oct 26 04:02:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Quant Title :
QLast Update : Tue Oct 22 08:35:55 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um





#9 TETRACOSANE-d50 (SURROGATE)

R.T.: 0.000 min
Exp R.T. : 14.997 min
Response: 0
Conc: N.D.

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102524\
Data File : FF014779.D
Signal(s) : FID2B.ch
Acq On : 25 Oct 2024 08:55
Sample : P4518-01 50X
Misc :
ALS Vial : 62 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Title :

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.465	4.416	4.490	BV	2357	29197	0.99%	0.026%
2	4.511	4.490	4.537	VV	2653	37697	1.28%	0.033%
3	4.557	4.537	4.590	VV	1178	29297	1.00%	0.026%
4	4.606	4.590	4.622	VV	1646	17142	0.58%	0.015%
5	4.642	4.622	4.668	PV	1807	21722	0.74%	0.019%
6	4.681	4.668	4.684	VV	184	1309	0.04%	0.001%
7	4.698	4.684	4.705	VV	533	4472	0.15%	0.004%
8	4.723	4.705	4.733	VV	2105	22328	0.76%	0.020%
9	4.750	4.733	4.767	VV	2425	40980	1.40%	0.036%
10	4.783	4.767	4.805	VV	3373	56987	1.94%	0.050%
11	4.821	4.805	4.836	VV	2580	36068	1.23%	0.032%
12	4.854	4.836	4.867	VV	8518	86992	2.96%	0.076%
13	4.878	4.867	4.895	VV	5375	64196	2.19%	0.056%
14	4.913	4.895	4.925	VV	4122	58800	2.00%	0.051%
15	4.931	4.925	4.943	VV	3544	33173	1.13%	0.029%
16	4.957	4.943	4.972	VV	5086	62501	2.13%	0.055%
17	4.987	4.972	5.001	VV	4684	62636	2.13%	0.055%
18	5.031	5.001	5.062	VV	7260	144199	4.91%	0.126%
19	5.081	5.062	5.118	VV	6863	93986	3.20%	0.082%
20	5.147	5.118	5.165	VV	2637	41159	1.40%	0.036%
21	5.183	5.165	5.202	VV	3890	50156	1.71%	0.044%
22	5.214	5.202	5.226	VV	1903	20725	0.71%	0.018%
23	5.246	5.226	5.260	VV	4683	62730	2.14%	0.055%
24	5.275	5.260	5.300	VV	5732	70616	2.40%	0.062%
25	5.324	5.300	5.336	VV	6987	79389	2.70%	0.069%
26	5.352	5.336	5.370	VV	16424	180690	6.15%	0.158%
27	5.387	5.370	5.425	VV	4949	93087	3.17%	0.081%
28	5.452	5.425	5.464	PV	2068	32201	1.10%	0.028%
29	5.484	5.464	5.499	VV	5733	78631	2.68%	0.069%
30	5.509	5.499	5.520	VV	3880	41096	1.40%	0.036%
31	5.527	5.520	5.532	VV	3155	23009	0.78%	0.020%
32	5.550	5.532	5.564	VV	5078	75197	2.56%	0.066%
33	5.580	5.564	5.597	VV	6811	88937	3.03%	0.078%
34	5.610	5.597	5.637	VV	3981	76348	2.60%	0.067%
35	5.646	5.637	5.660	VV	2773	29363	1.00%	0.026%
36	5.674	5.660	5.682	VV	2121	22612	0.77%	0.020%

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37	5.699	5.682	5.707	VV	11538	116519	3.97%	0.102%
38	5.717	5.707	5.739	VV	11549	133921	4.56%	0.117%
39	5.753	5.739	5.766	VV	2555	34217	1.17%	0.030%
40	5.780	5.766	5.813	VV	3137	59640	2.03%	0.052%
41	5.833	5.813	5.845	VV	3013	40509	1.38%	0.035%
42	5.857	5.845	5.866	VV	2816	29635	1.01%	0.026%
43	5.889	5.866	5.918	VV	17395	290053	9.88%	0.254%
44	5.928	5.918	5.944	VV	6623	77437	2.64%	0.068%
45	5.968	5.944	5.979	VV	5229	79489	2.71%	0.070%
46	6.010	5.979	6.037	VV	16436	377184	12.84%	0.330%
47	6.050	6.037	6.061	VV	7394	82152	2.80%	0.072%
48	6.070	6.061	6.083	VV	6516	74523	2.54%	0.065%
49	6.090	6.083	6.104	VV	5261	50003	1.70%	0.044%
50	6.117	6.104	6.123	VV	4980	47047	1.60%	0.041%
51	6.135	6.123	6.160	VV	6714	80685	2.75%	0.071%
52	6.185	6.160	6.200	PBA	8564	88148	3.00%	0.077%
53	6.237	6.200	6.255	BV	10595	139351	4.75%	0.122%
54	6.271	6.255	6.277	VV	7148	68549	2.33%	0.060%
55	6.284	6.277	6.295	VV	7111	73612	2.51%	0.064%
56	6.309	6.295	6.322	VV	9094	117880	4.01%	0.103%
57	6.331	6.322	6.350	VV	6113	69055	2.35%	0.060%
58	6.377	6.350	6.397	VV	7503	132392	4.51%	0.116%
59	6.419	6.397	6.449	VV	13201	274769	9.36%	0.240%
60	6.461	6.449	6.487	VV	7717	137479	4.68%	0.120%
61	6.502	6.487	6.514	VV	9341	107847	3.67%	0.094%
62	6.543	6.514	6.588	VV	10883	357403	12.17%	0.313%
63	6.606	6.588	6.628	VV	11261	188870	6.43%	0.165%
64	6.652	6.628	6.669	VV	13122	236510	8.05%	0.207%
65	6.679	6.669	6.695	VV	8166	107490	3.66%	0.094%
66	6.702	6.695	6.716	VV	5829	64195	2.19%	0.056%
67	6.726	6.716	6.735	VV	5311	56183	1.91%	0.049%
68	6.750	6.735	6.782	VV	7998	158041	5.38%	0.138%
69	6.820	6.782	6.833	VV	9444	196707	6.70%	0.172%
70	6.857	6.833	6.867	VV	10437	177906	6.06%	0.156%
71	6.886	6.867	6.909	VV	38772	519540	17.69%	0.455%
72	6.926	6.909	6.947	VV	18510	288874	9.84%	0.253%
73	6.959	6.947	6.972	VV	10473	122997	4.19%	0.108%
74	6.982	6.972	6.994	VV	7782	98913	3.37%	0.087%
75	7.014	6.994	7.035	VV	19309	287759	9.80%	0.252%
76	7.060	7.035	7.085	VV	21432	399843	13.62%	0.350%
77	7.097	7.085	7.109	VV	10689	126400	4.30%	0.111%
78	7.136	7.109	7.162	VV	23704	428030	14.58%	0.374%
79	7.203	7.162	7.223	VV	12188	321379	10.94%	0.281%
80	7.264	7.223	7.283	VV	21523	525934	17.91%	0.460%
81	7.304	7.283	7.334	VV	27970	483178	16.45%	0.423%
82	7.362	7.334	7.397	VV	34049	689576	23.48%	0.603%
83	7.410	7.397	7.428	VV	13115	195847	6.67%	0.171%
84	7.451	7.428	7.485	VV	68260	1031024	35.11%	0.902%
85	7.502	7.485	7.532	VV	35857	586776	19.98%	0.513%
86	7.552	7.532	7.569	VV	22330	339779	11.57%	0.297%
87	7.580	7.569	7.590	VV	13268	155635	5.30%	0.136%
88	7.601	7.590	7.614	VV	13080	174336	5.94%	0.153%
89	7.653	7.614	7.668	VV	25850	586581	19.97%	0.513%

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90	7.676	7.668	7.701	VV	17622	290481	9.89%	0.254%
91	7.730	7.701	7.754	VV	18721	509235	17.34%	0.446%
92	7.765	7.754	7.782	VV	17712	266754	9.08%	0.233%
93	7.801	7.782	7.807	VV	15185	216889	7.39%	0.190%
94	7.812	7.807	7.827	VV	15115	165204	5.63%	0.145%
95	7.852	7.827	7.882	VV	38523	790117	26.91%	0.691%
96	7.903	7.882	7.922	VV	20347	361354	12.30%	0.316%
97	7.941	7.922	7.954	VV	15043	239257	8.15%	0.209%
98	7.968	7.954	7.981	VV	18764	259009	8.82%	0.227%
99	7.994	7.981	8.000	VV	20431	214338	7.30%	0.188%
100	8.017	8.000	8.034	VV	30001	473631	16.13%	0.414%
101	8.047	8.034	8.081	VV	19926	459776	15.66%	0.402%
102	8.110	8.081	8.127	VV	25442	514751	17.53%	0.450%
103	8.144	8.127	8.151	VV	20685	263392	8.97%	0.230%
104	8.159	8.151	8.175	VV	20705	270371	9.21%	0.237%
105	8.201	8.175	8.220	VV	22692	486942	16.58%	0.426%
106	8.259	8.220	8.274	VV	30476	738912	25.16%	0.646%
107	8.289	8.274	8.302	VV	33701	499460	17.01%	0.437%
108	8.307	8.302	8.330	VV	28126	362593	12.35%	0.317%
109	8.376	8.330	8.412	VV	104035	2100119	71.51%	1.837%
110	8.431	8.412	8.449	VV	23880	473613	16.13%	0.414%
111	8.478	8.449	8.493	VV	75902	1171008	39.88%	1.024%
112	8.505	8.493	8.528	VV	55787	813281	27.69%	0.712%
113	8.540	8.528	8.566	VV	26600	558405	19.02%	0.489%
114	8.570	8.566	8.579	VV	23153	181906	6.19%	0.159%
115	8.602	8.579	8.618	VV	31212	622552	21.20%	0.545%
116	8.651	8.618	8.689	VV	37843	1248825	42.53%	1.093%
117	8.718	8.689	8.737	VV	61170	1049125	35.73%	0.918%
118	8.752	8.737	8.764	VV	32315	474633	16.16%	0.415%
119	8.776	8.764	8.792	VV	31637	463096	15.77%	0.405%
120	8.805	8.792	8.822	VV	26522	416513	14.18%	0.364%
121	8.847	8.822	8.873	VV	26564	690465	23.51%	0.604%
122	8.886	8.873	8.898	VV	21737	303955	10.35%	0.266%
123	8.917	8.898	8.931	VV	35259	550994	18.76%	0.482%
124	8.955	8.931	8.972	VV	35817	755312	25.72%	0.661%
125	8.979	8.972	8.995	VV	27468	350009	11.92%	0.306%
126	9.017	8.995	9.040	VV	53787	964793	32.85%	0.844%
127	9.098	9.040	9.121	VV	104347	2318279	78.94%	2.028%
128	9.128	9.121	9.142	VV	26525	315482	10.74%	0.276%
129	9.151	9.142	9.162	VV	24795	286201	9.75%	0.250%
130	9.179	9.162	9.183	VV	30138	349102	11.89%	0.305%
131	9.203	9.183	9.222	VV	53630	926943	31.56%	0.811%
132	9.239	9.222	9.260	VV	41027	752224	25.62%	0.658%
133	9.275	9.260	9.292	VV	30249	501841	17.09%	0.439%
134	9.326	9.292	9.342	VV	41918	947289	32.26%	0.829%
135	9.373	9.342	9.391	VV	57468	1162429	39.58%	1.017%
136	9.414	9.391	9.449	VV	63335	1296672	44.15%	1.134%
137	9.470	9.449	9.494	VV	32772	736096	25.07%	0.644%
138	9.530	9.494	9.547	VV	51540	1036110	35.28%	0.906%
139	9.561	9.547	9.577	VV	43071	601306	20.48%	0.526%
140	9.588	9.577	9.599	VV	24815	304330	10.36%	0.266%
141	9.616	9.599	9.632	VV	26646	483551	16.47%	0.423%

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142	9.646	9.632	9.652	VV	32674	352356	12.00%	0.308%
143	9.667	9.652	9.702	VV	55723	1124057	38.28%	0.983%
144	9.711	9.702	9.729	VV	27258	407278	13.87%	0.356%
145	9.754	9.729	9.767	VV	51381	894103	30.45%	0.782%
146	9.774	9.767	9.803	VV	41102	680756	23.18%	0.596%
147	9.832	9.803	9.867	VV	62688	1525531	51.95%	1.335%
148	9.870	9.867	9.884	VV	27336	260168	8.86%	0.228%
149	9.903	9.884	9.909	VV	32882	437264	14.89%	0.383%
150	9.926	9.909	9.943	VV	44011	776782	26.45%	0.680%
151	9.955	9.943	9.974	VV	40285	627446	21.37%	0.549%
152	9.993	9.974	10.013	VV	28276	611434	20.82%	0.535%
153	10.029	10.013	10.055	VV	28510	617011	21.01%	0.540%
154	10.076	10.055	10.096	VV	37120	767456	26.13%	0.671%
155	10.121	10.096	10.146	VV	45405	1103278	37.57%	0.965%
156	10.167	10.146	10.212	VV	44646	1332781	45.38%	1.166%
157	10.231	10.212	10.252	VV	30794	695371	23.68%	0.608%
158	10.271	10.252	10.307	VV	34717	928758	31.63%	0.813%
159	10.336	10.307	10.364	VV	36576	952835	32.45%	0.834%
160	10.395	10.364	10.420	VV	27026	840334	28.62%	0.735%
161	10.440	10.420	10.474	VV	28995	792082	26.97%	0.693%
162	10.495	10.474	10.522	VV	39871	889142	30.28%	0.778%
163	10.552	10.522	10.580	VV	109955	2006506	68.33%	1.755%
164	10.607	10.580	10.612	VV	36430	608927	20.74%	0.533%
165	10.631	10.612	10.655	VV	47125	980452	33.39%	0.858%
166	10.673	10.655	10.691	VV	47980	801755	27.30%	0.701%
167	10.700	10.691	10.723	VV	34860	569469	19.39%	0.498%
168	10.748	10.723	10.760	VV	36595	670377	22.83%	0.587%
169	10.765	10.760	10.785	VV	33439	446306	15.20%	0.390%
170	10.813	10.785	10.822	VV	36433	712467	24.26%	0.623%
171	10.832	10.822	10.864	VV	36291	807946	27.51%	0.707%
172	10.884	10.864	10.893	VV	37873	595692	20.28%	0.521%
173	10.903	10.893	10.937	VV	38773	945412	32.19%	0.827%
174	10.976	10.937	11.004	VV	156989	2936650	100.00%	2.569%
175	11.019	11.004	11.067	VV	34464	1087274	37.02%	0.951%
176	11.114	11.067	11.131	VV	28927	1021211	34.77%	0.893%
177	11.152	11.131	11.174	VV	60960	1062763	36.19%	0.930%
178	11.178	11.174	11.204	VV	28857	470836	16.03%	0.412%
179	11.229	11.204	11.267	VV	39664	1151985	39.23%	1.008%
180	11.297	11.267	11.323	VV	43685	1064242	36.24%	0.931%
181	11.331	11.323	11.349	VV	25335	369353	12.58%	0.323%
182	11.375	11.349	11.405	VV	28467	857613	29.20%	0.750%
183	11.437	11.405	11.443	VV	28348	599366	20.41%	0.524%
184	11.462	11.443	11.484	VV	34983	727478	24.77%	0.636%
185	11.511	11.484	11.531	VV	32135	803238	27.35%	0.703%
186	11.547	11.531	11.572	VV	31707	726088	24.73%	0.635%
187	11.584	11.572	11.588	VV	27818	262581	8.94%	0.230%
188	11.602	11.588	11.615	VV	31780	484315	16.49%	0.424%
189	11.630	11.615	11.655	VV	32162	704640	23.99%	0.616%
190	11.697	11.655	11.730	VV	93834	2175180	74.07%	1.903%
191	11.752	11.730	11.775	VV	27118	668071	22.75%	0.584%
192	11.805	11.775	11.828	VV	32863	797648	27.16%	0.698%
193	11.846	11.828	11.859	VV	25086	434576	14.80%	0.380%
194	11.894	11.859	11.930	VV	26577	1077407	36.69%	0.943%

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195	11.955	11.930	11.970	VV	35681	677508	23.07%	0.593%
196	11.986	11.970	12.028	VV	41917	992763	33.81%	0.869%
197	12.052	12.028	12.059	VV	23897	393435	13.40%	0.344%
198	12.070	12.059	12.085	VV	24404	378559	12.89%	0.331%
199	12.104	12.085	12.120	VV	33122	590709	20.12%	0.517%
200	12.136	12.120	12.189	VV	30391	1016735	34.62%	0.890%
201	12.212	12.189	12.225	VV	22163	456276	15.54%	0.399%
202	12.255	12.225	12.278	VV	41597	961317	32.74%	0.841%
203	12.293	12.278	12.333	VV	27847	772585	26.31%	0.676%
204	12.357	12.333	12.372	VV	23775	505389	17.21%	0.442%
205	12.401	12.372	12.417	VV	22166	574283	19.56%	0.502%
206	12.426	12.417	12.444	VV	20389	306178	10.43%	0.268%
207	12.460	12.444	12.470	VV	20908	310229	10.56%	0.271%
208	12.490	12.470	12.500	VV	24871	403167	13.73%	0.353%
209	12.517	12.500	12.555	VV	39250	848065	28.88%	0.742%
210	12.573	12.555	12.595	VV	20273	452391	15.40%	0.396%
211	12.603	12.595	12.617	VV	17668	223587	7.61%	0.196%
212	12.635	12.617	12.663	VV	19273	489750	16.68%	0.428%
213	12.701	12.663	12.724	VV	19832	654128	22.27%	0.572%
214	12.746	12.724	12.810	VV	23567	937629	31.93%	0.820%
215	12.853	12.810	12.874	VV	30115	820573	27.94%	0.718%
216	12.891	12.874	12.903	VV	20739	332506	11.32%	0.291%
217	12.917	12.903	12.949	VV	23164	510440	17.38%	0.447%
218	12.969	12.949	13.017	VV	30412	742022	25.27%	0.649%
219	13.027	13.017	13.045	VV	13466	221435	7.54%	0.194%
220	13.064	13.045	13.082	VV	14513	297107	10.12%	0.260%
221	13.097	13.082	13.118	VV	14484	279413	9.51%	0.244%
222	13.125	13.118	13.127	VV	11223	56514	1.92%	0.049%
223	13.133	13.127	13.144	VV	11398	112478	3.83%	0.098%
224	13.164	13.144	13.178	VV	12702	245634	8.36%	0.215%
225	13.198	13.178	13.207	VV	12195	204122	6.95%	0.179%
226	13.212	13.207	13.247	VV	12025	271806	9.26%	0.238%
227	13.267	13.247	13.315	VV	22800	547275	18.64%	0.479%
228	13.333	13.315	13.349	VV	11911	220721	7.52%	0.193%
229	13.361	13.349	13.384	VV	11069	224009	7.63%	0.196%
230	13.410	13.384	13.513	VV	16752	838966	28.57%	0.734%
231	13.543	13.513	13.555	VV	10749	245821	8.37%	0.215%
232	13.559	13.555	13.582	VV	10868	163610	5.57%	0.143%
233	13.600	13.582	13.649	VV	12478	362325	12.34%	0.317%
234	13.664	13.649	13.679	VV	8951	141945	4.83%	0.124%
235	13.696	13.679	13.717	VV	9610	178429	6.08%	0.156%
236	13.749	13.717	13.782	VV	19155	412626	14.05%	0.361%
237	13.799	13.782	13.833	VV	7501	214592	7.31%	0.188%
238	13.853	13.833	13.893	VV	8643	239847	8.17%	0.210%
239	13.904	13.893	13.917	VV	5271	71154	2.42%	0.062%
240	13.964	13.917	13.986	VV	7998	250406	8.53%	0.219%
241	14.006	13.986	14.014	VV	6799	103156	3.51%	0.090%
242	14.018	14.014	14.075	VV	6627	200462	6.83%	0.175%
243	14.084	14.075	14.090	VV	4057	36217	1.23%	0.032%
244	14.130	14.090	14.150	VV	5832	170344	5.80%	0.149%
245	14.171	14.150	14.189	VV	5093	100755	3.43%	0.088%
246	14.203	14.189	14.221	VV	3863	67489	2.30%	0.059%

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247	14.234	14.221	14.242	VV	3505	44002	1.50%	0.038%
248	14.250	14.242	14.285	VV	3689	79457	2.71%	0.070%
249	14.291	14.285	14.296	VV	2475	15755	0.54%	0.014%
250	14.346	14.296	14.375	VV	5049	165876	5.65%	0.145%
251	14.387	14.375	14.396	VV	2473	30808	1.05%	0.027%
252	14.413	14.396	14.452	VV	3034	81265	2.77%	0.071%
253	14.473	14.452	14.489	VV	3081	56032	1.91%	0.049%
254	14.498	14.489	14.512	VV	2729	35612	1.21%	0.031%
255	14.526	14.512	14.561	VV	2540	64866	2.21%	0.057%
256	14.566	14.561	14.568	VV	2070	9304	0.32%	0.008%
257	14.583	14.568	14.602	VV	2362	41126	1.40%	0.036%
258	14.623	14.602	14.645	VV	2035	40270	1.37%	0.035%
259	14.672	14.645	14.708	VV	1975	56790	1.93%	0.050%
260	14.716	14.708	14.725	VV	1290	12247	0.42%	0.011%
261	14.742	14.725	14.755	VV	1914	27985	0.95%	0.024%
262	14.769	14.755	14.780	VV	2048	27239	0.93%	0.024%
263	14.799	14.780	14.818	VV	2717	48440	1.65%	0.042%
264	14.830	14.818	14.854	VV	2188	32293	1.10%	0.028%
265	14.872	14.854	14.889	VV	992	13954	0.48%	0.012%
266	14.893	14.889	14.902	VV	514	3590	0.12%	0.003%
267	14.927	14.902	14.944	VV	1117	19840	0.68%	0.017%
268	14.953	14.944	14.984	VV	1186	17719	0.60%	0.016%
269	15.010	14.984	15.039	VV	4152	61971	2.11%	0.054%
270	15.098	15.050	15.112	BV	575	5005	0.17%	0.004%
271	15.141	15.112	15.161	VV	3846	47321	1.61%	0.041%
272	15.182	15.161	15.202	PV	3478	40895	1.39%	0.036%
273	15.218	15.202	15.232	VV	812	11298	0.38%	0.010%
274	15.237	15.232	15.262	VV	682	10753	0.37%	0.009%
275	15.275	15.262	15.284	VV	793	8821	0.30%	0.008%
276	15.299	15.284	15.329	VV	1323	23476	0.80%	0.021%
277	15.354	15.329	15.392	VV	1384	30168	1.03%	0.026%
278	15.399	15.392	15.405	PV	135	685	0.02%	0.001%
279	15.417	15.405	15.422	VV	222	1463	0.05%	0.001%
280	15.453	15.422	15.469	VV	993	17959	0.61%	0.016%
281	15.479	15.469	15.511	VV	865	14020	0.48%	0.012%
282	15.521	15.511	15.533	VV	292	2758	0.09%	0.002%
283	15.548	15.533	15.554	VV	480	4733	0.16%	0.004%
284	15.595	15.554	15.617	VV	1390	27550	0.94%	0.024%
285	15.640	15.617	15.645	VV	707	8627	0.29%	0.008%
286	15.650	15.645	15.681	VV	750	9094	0.31%	0.008%
287	15.685	15.681	15.688	VV	192	912	0.03%	0.001%
288	15.694	15.688	15.702	VV	270	1641	0.06%	0.001%
289	15.707	15.702	15.713	VV	206	819	0.03%	0.001%
290	15.746	15.713	15.752	PV	1159	18619	0.63%	0.016%
291	15.763	15.752	15.796	VV	1446	30614	1.04%	0.027%
292	15.815	15.796	15.837	VV	1537	22748	0.77%	0.020%
293	15.849	15.837	15.864	VV	463	5773	0.20%	0.005%
294	15.872	15.864	15.885	VV	492	3957	0.13%	0.003%
295	15.897	15.885	15.904	PV	250	1583	0.05%	0.001%
296	15.908	15.904	15.914	VV	177	921	0.03%	0.001%
297	15.929	15.914	15.935	VV	403	3480	0.12%	0.003%
298	15.954	15.935	15.963	VV	879	10181	0.35%	0.009%
299	15.974	15.963	16.016	VV	951	21875	0.74%	0.019%

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300	16.046	16.016	16.096	VV	1532	39439	1.34%	0.035%
301	16.104	16.096	16.114	VV	439	3782	0.13%	0.003%
302	16.117	16.114	16.123	VV	414	1985	0.07%	0.002%
303	16.127	16.123	16.135	VV	433	2563	0.09%	0.002%
304	16.141	16.135	16.170	VV	397	5069	0.17%	0.004%
305	16.186	16.170	16.194	VV	429	3690	0.13%	0.003%
306	16.201	16.194	16.214	VV	428	4147	0.14%	0.004%
307	16.240	16.214	16.251	VV	992	16167	0.55%	0.014%
308	16.264	16.251	16.284	VV	1139	18066	0.62%	0.016%
309	16.287	16.284	16.311	VV	926	8134	0.28%	0.007%
310	16.328	16.311	16.357	PV	406	5479	0.19%	0.005%
311	16.371	16.357	16.377	VV	208	1695	0.06%	0.001%
312	16.383	16.377	16.394	VV	296	2359	0.08%	0.002%
313	16.426	16.394	16.436	VV	1157	20276	0.69%	0.018%
314	16.442	16.436	16.469	VV	969	15502	0.53%	0.014%
315	16.470	16.469	16.475	VV	802	2299	0.08%	0.002%
316	16.481	16.475	16.500	VV	661	9040	0.31%	0.008%
317	16.551	16.500	16.590	VV	1561	55451	1.89%	0.049%
318	16.605	16.590	16.648	VV	1350	26811	0.91%	0.023%
319	16.696	16.648	16.714	VV	3696	63658	2.17%	0.056%
320	16.721	16.714	16.744	VV	2234	26010	0.89%	0.023%
321	16.759	16.744	16.768	VV	577	6517	0.22%	0.006%
322	16.800	16.768	16.810	VV	726	12463	0.42%	0.011%
323	16.829	16.810	16.854	VV	1103	19532	0.67%	0.017%
324	16.885	16.854	16.903	VV	884	21139	0.72%	0.018%
325	16.941	16.903	16.966	VV	1399	39425	1.34%	0.034%
326	17.014	16.966	17.036	VV	2824	61703	2.10%	0.054%
327	17.072	17.036	17.111	VV	3117	53793	1.83%	0.047%
328	17.136	17.111	17.143	PV	273	3298	0.11%	0.003%
329	17.150	17.143	17.154	VV	414	2125	0.07%	0.002%
330	17.176	17.154	17.194	VV	2020	29828	1.02%	0.026%
331	17.213	17.194	17.262	VV	1251	25793	0.88%	0.023%
					Sum of corrected areas:	114300709		

FF102124.M Sat Oct 26 05:01:17 2024

Report of Analysis

Client:	ENTACT		Date Collected:	10/23/24	
Project:	North Point		Date Received:	10/23/24	
Client Sample ID:	EX-5-TPH-2		SDG No.:	P4518	
Lab Sample ID:	P4518-02		Matrix:	SOIL	
Analytical Method:	8015D DRO		% Solid:	79.2	Decanted:
Sample Wt/Vol:	30.06	Units: g	Final Vol:	1	mL
Soil Aliquot Vol:		uL	Test:	Diesel Range Organics	
Extraction Type:			Injection Volume :		
GPC Factor :		PH :			
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF014783.D	200	10/24/24 11:10	10/25/24 10:51	PB164381

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	3100000		46600	420000	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	0.00	*	37 - 130	0%	SPK: 20

Comments:

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 P = Indicates >25% difference for detected concentrations between the two GC columns
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance 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
 S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
 () = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102524\
Data File : FF014783.D
Signal(s) : FID2B.ch
Acq On : 25 Oct 2024 10:51
Operator : YP\AJ
Sample : P4518-02 200X
Misc :
ALS Vial : 66 Sample Multiplier: 1

Integration File: Sample.e
Quant Time: Oct 26 04:03:14 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Quant Title :
QLast Update : Tue Oct 22 08:35:55 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
Target Compounds			

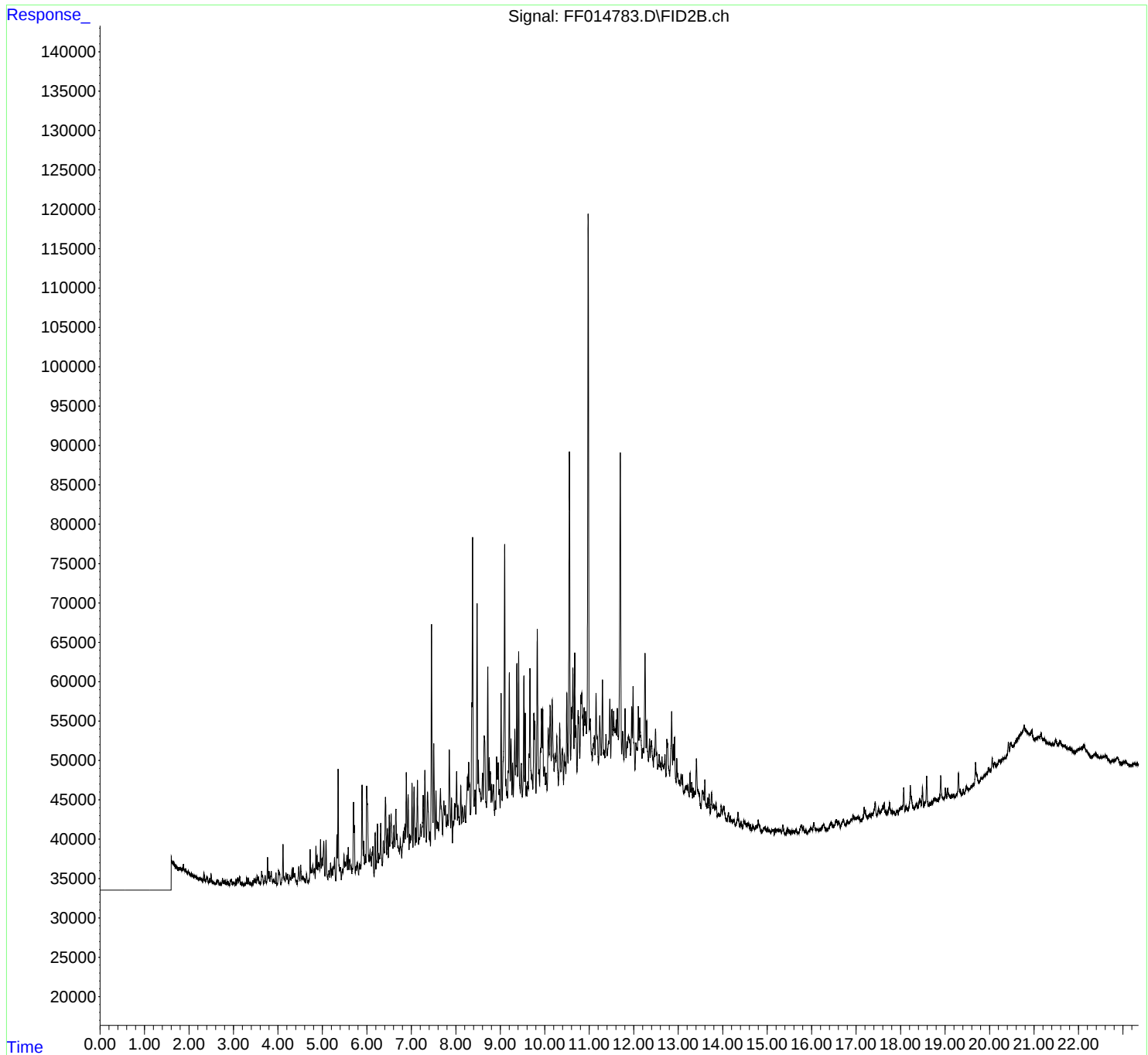
(f)=RT Delta > 1/2 Window

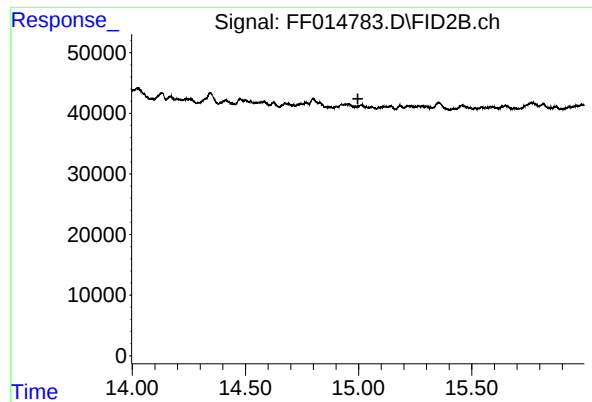
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102524\
Data File : FF014783.D
Signal(s) : FID2B.ch
Acq On : 25 Oct 2024 10:51
Operator : YP\AJ
Sample : P4518-02 200X
Misc :
ALS Vial : 66 Sample Multiplier: 1

Integration File: Sample.e
Quant Time: Oct 26 04:03:14 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Quant Title :
QLast Update : Tue Oct 22 08:35:55 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um





#9 TETRACOSANE-d50 (SURROGATE)

R.T.: 0.000 min
Exp R.T.: 14.997 min
Response: 0
Conc: N.D.

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102524\
Data File : FF014783.D
Signal(s) : FID2B.ch
Acq On : 25 Oct 2024 10:51
Sample : P4518-02 200X
Misc :
ALS Vial : 66 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Title :

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.468	4.422	4.493	BV	2101	32832	2.21%	0.061%
2	4.512	4.493	4.540	VV	2366	33999	2.29%	0.063%
3	4.556	4.540	4.597	VV	904	21903	1.48%	0.040%
4	4.603	4.597	4.623	VV	557	5351	0.36%	0.010%
5	4.645	4.623	4.673	PV	1270	16443	1.11%	0.030%
6	4.675	4.673	4.684	VV	187	833	0.06%	0.002%
7	4.699	4.684	4.703	VV	393	2746	0.19%	0.005%
8	4.724	4.703	4.739	VV	4247	44340	2.99%	0.082%
9	4.750	4.739	4.766	VV	1632	23775	1.60%	0.044%
10	4.784	4.766	4.809	VV	2273	42305	2.85%	0.078%
11	4.823	4.809	4.838	VV	1755	23425	1.58%	0.043%
12	4.855	4.838	4.869	VV	4635	50649	3.42%	0.093%
13	4.880	4.869	4.898	VV	3367	43295	2.92%	0.080%
14	4.914	4.898	4.925	VV	2512	34380	2.32%	0.063%
15	4.933	4.925	4.943	VV	2209	21951	1.48%	0.041%
16	4.958	4.943	4.976	VV	5384	64411	4.34%	0.119%
17	4.990	4.976	5.002	VV	2927	38421	2.59%	0.071%
18	5.031	5.002	5.062	VV	5178	103745	7.00%	0.191%
19	5.082	5.062	5.120	VV	5287	71787	4.84%	0.132%
20	5.149	5.120	5.168	VV	1397	25333	1.71%	0.047%
21	5.184	5.168	5.203	VV	2344	30164	2.03%	0.056%
22	5.215	5.203	5.229	VV	1568	17667	1.19%	0.033%
23	5.251	5.229	5.258	VV	1832	24036	1.62%	0.044%
24	5.273	5.258	5.303	VV	2962	39413	2.66%	0.073%
25	5.327	5.303	5.338	PV	5894	60178	4.06%	0.111%
26	5.354	5.338	5.388	VV	14133	167083	11.27%	0.308%
27	5.408	5.388	5.426	VV	1607	26844	1.81%	0.050%
28	5.455	5.426	5.468	VV	1350	23577	1.59%	0.044%
29	5.486	5.468	5.500	VV	3258	44065	2.97%	0.081%
30	5.511	5.500	5.521	VV	2260	24669	1.66%	0.046%
31	5.551	5.521	5.565	VV	3050	57851	3.90%	0.107%
32	5.581	5.565	5.598	VV	4078	51356	3.46%	0.095%
33	5.615	5.598	5.639	VV	2503	50278	3.39%	0.093%
34	5.647	5.639	5.661	VV	1680	16955	1.14%	0.031%
35	5.675	5.661	5.683	VV	1396	14678	0.99%	0.027%
36	5.700	5.683	5.711	VV	9774	104836	7.07%	0.193%

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37	5.718	5.711	5.739	VV	6807	69012	4.66%	0.127%
38	5.755	5.739	5.765	VV	1497	18562	1.25%	0.034%
39	5.781	5.765	5.813	VV	1999	40697	2.75%	0.075%
40	5.834	5.813	5.848	VV	1794	26698	1.80%	0.049%
41	5.858	5.848	5.867	VV	1568	15894	1.07%	0.029%
42	5.892	5.867	5.918	VV	11822	184316	12.43%	0.340%
43	5.929	5.918	5.948	VV	4649	56676	3.82%	0.105%
44	5.969	5.948	5.978	VV	2898	43374	2.93%	0.080%
45	5.997	5.978	6.041	VV	11622	254443	17.16%	0.470%
46	6.051	6.041	6.060	VV	2782	27221	1.84%	0.050%
47	6.072	6.060	6.084	VV	3471	41252	2.78%	0.076%
48	6.091	6.084	6.103	VV	2558	24877	1.68%	0.046%
49	6.118	6.103	6.125	VV	3135	32166	2.17%	0.059%
50	6.137	6.125	6.159	VV	3789	45795	3.09%	0.085%
51	6.186	6.159	6.204	VV	5545	64230	4.33%	0.119%
52	6.238	6.204	6.257	VV	6643	104517	7.05%	0.193%
53	6.269	6.257	6.281	VV	2781	33204	2.24%	0.061%
54	6.311	6.281	6.349	VV	6699	130937	8.83%	0.242%
55	6.370	6.349	6.396	VV	4431	86165	5.81%	0.159%
56	6.418	6.396	6.446	VV	9911	187363	12.64%	0.346%
57	6.462	6.446	6.487	VV	5824	100532	6.78%	0.186%
58	6.503	6.487	6.516	VV	7619	91173	6.15%	0.168%
59	6.545	6.516	6.588	VV	7640	226912	15.31%	0.419%
60	6.607	6.588	6.628	VV	6225	110560	7.46%	0.204%
61	6.652	6.628	6.672	VV	8187	153609	10.36%	0.284%
62	6.679	6.672	6.695	VV	5034	59953	4.04%	0.111%
63	6.703	6.695	6.716	VV	3555	41726	2.81%	0.077%
64	6.726	6.716	6.736	VV	3130	34905	2.35%	0.064%
65	6.751	6.736	6.782	VV	4462	92835	6.26%	0.171%
66	6.821	6.782	6.833	VV	5389	118051	7.96%	0.218%
67	6.856	6.833	6.869	VV	6168	111131	7.50%	0.205%
68	6.886	6.869	6.911	VV	12776	198590	13.40%	0.367%
69	6.927	6.911	6.949	VV	9940	156304	10.54%	0.288%
70	6.960	6.949	6.971	VV	4817	54003	3.64%	0.100%
71	6.985	6.971	6.996	VV	4617	64640	4.36%	0.119%
72	7.015	6.996	7.035	VV	11339	159747	10.78%	0.295%
73	7.060	7.035	7.085	VV	10802	198357	13.38%	0.366%
74	7.097	7.085	7.109	VV	5598	67168	4.53%	0.124%
75	7.137	7.109	7.161	VV	11630	211691	14.28%	0.391%
76	7.175	7.161	7.186	VV	4275	59665	4.02%	0.110%
77	7.204	7.186	7.222	VV	5908	107732	7.27%	0.199%
78	7.239	7.222	7.244	VV	5731	69847	4.71%	0.129%
79	7.265	7.244	7.284	VV	9568	169597	11.44%	0.313%
80	7.304	7.284	7.338	VV	12795	242567	16.36%	0.448%
81	7.364	7.338	7.407	VV	9894	278593	18.79%	0.514%
82	7.416	7.407	7.429	VV	4891	56375	3.80%	0.104%
83	7.453	7.429	7.486	VV	31218	485507	32.75%	0.896%
84	7.503	7.486	7.533	VV	16041	270734	18.26%	0.500%
85	7.553	7.533	7.573	VV	10012	160417	10.82%	0.296%
86	7.580	7.573	7.590	VV	6064	59981	4.05%	0.111%
87	7.601	7.590	7.615	VV	5948	82606	5.57%	0.152%
88	7.654	7.615	7.670	VV	10248	251831	16.99%	0.465%
89	7.674	7.670	7.702	VV	7717	120070	8.10%	0.222%

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90	7.730	7.702	7.752	VV	8629	213952	14.43%	0.395%
91	7.765	7.752	7.790	VV	8037	150212	10.13%	0.277%
92	7.807	7.790	7.829	VV	6363	134399	9.07%	0.248%
93	7.853	7.829	7.885	VV	15031	312414	21.07%	0.577%
94	7.904	7.885	7.923	VV	8855	146368	9.87%	0.270%
95	7.942	7.923	7.953	VV	5913	88407	5.96%	0.163%
96	7.969	7.953	7.983	VV	8126	121379	8.19%	0.224%
97	7.995	7.983	7.999	VV	8030	75050	5.06%	0.139%
98	8.018	7.999	8.036	VV	12184	203289	13.71%	0.375%
99	8.047	8.036	8.079	VV	7800	169909	11.46%	0.314%
100	8.111	8.079	8.131	VV	10293	228736	15.43%	0.422%
101	8.148	8.131	8.174	VV	7526	171877	11.59%	0.317%
102	8.200	8.174	8.221	VV	7670	181860	12.27%	0.336%
103	8.260	8.221	8.275	VV	11341	289086	19.50%	0.534%
104	8.289	8.275	8.304	VV	13136	197454	13.32%	0.364%
105	8.309	8.304	8.328	VV	10264	122543	8.27%	0.226%
106	8.376	8.328	8.411	VV	41653	858074	57.88%	1.584%
107	8.432	8.411	8.450	VV	9571	194701	13.13%	0.359%
108	8.478	8.450	8.496	VV	33239	495404	33.42%	0.914%
109	8.506	8.496	8.528	VV	13244	217040	14.64%	0.401%
110	8.538	8.528	8.564	VV	9590	196723	13.27%	0.363%
111	8.573	8.564	8.579	VV	8406	72601	4.90%	0.134%
112	8.602	8.579	8.616	VV	11585	221445	14.94%	0.409%
113	8.642	8.616	8.689	VV	16260	514286	34.69%	0.949%
114	8.719	8.689	8.738	VV	24980	417226	28.14%	0.770%
115	8.753	8.738	8.765	VV	13477	188897	12.74%	0.349%
116	8.776	8.765	8.793	VV	11633	162647	10.97%	0.300%
117	8.807	8.793	8.822	VV	10043	160219	10.81%	0.296%
118	8.846	8.822	8.873	VV	9940	256595	17.31%	0.474%
119	8.888	8.873	8.899	VV	7824	110539	7.46%	0.204%
120	8.917	8.899	8.933	VV	13418	219511	14.81%	0.405%
121	8.954	8.933	8.972	VV	12690	252846	17.06%	0.467%
122	8.980	8.972	8.997	VV	9224	126477	8.53%	0.233%
123	9.018	8.997	9.043	VV	21443	357579	24.12%	0.660%
124	9.099	9.043	9.120	VV	40333	859744	58.00%	1.587%
125	9.128	9.120	9.143	VV	10448	131474	8.87%	0.243%
126	9.152	9.143	9.162	VV	8906	100400	6.77%	0.185%
127	9.203	9.162	9.223	VV	23911	521079	35.15%	0.962%
128	9.241	9.223	9.261	VV	15547	279824	18.88%	0.516%
129	9.275	9.261	9.292	VV	12430	190763	12.87%	0.352%
130	9.327	9.292	9.343	VV	16714	377814	25.49%	0.697%
131	9.373	9.343	9.391	VV	24990	451649	30.47%	0.834%
132	9.413	9.391	9.450	VV	26470	522934	35.28%	0.965%
133	9.470	9.450	9.497	VV	12283	279012	18.82%	0.515%
134	9.531	9.497	9.547	VV	23354	418718	28.25%	0.773%
135	9.561	9.547	9.577	VV	18610	241245	16.27%	0.445%
136	9.588	9.577	9.603	VV	9291	131508	8.87%	0.243%
137	9.617	9.603	9.631	VV	9874	155662	10.50%	0.287%
138	9.647	9.631	9.651	VV	13342	143071	9.65%	0.264%
139	9.667	9.651	9.702	VV	24198	462525	31.20%	0.854%
140	9.713	9.702	9.731	VV	10602	174418	11.77%	0.322%
141	9.755	9.731	9.766	VV	18397	299242	20.19%	0.552%

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142	9.775	9.766	9.803	VV	17421	283545	19.13%	0.523%
143	9.832	9.803	9.863	VV	29084	603674	40.72%	1.114%
144	9.870	9.863	9.884	VV	11164	136533	9.21%	0.252%
145	9.903	9.884	9.909	VV	13933	181061	12.21%	0.334%
146	9.927	9.909	9.943	VV	18873	329011	22.19%	0.607%
147	9.956	9.943	9.977	VV	18775	294735	19.88%	0.544%
148	9.994	9.977	10.018	VV	11437	263872	17.80%	0.487%
149	10.030	10.018	10.055	VV	10645	210775	14.22%	0.389%
150	10.077	10.055	10.098	VV	16253	349380	23.57%	0.645%
151	10.122	10.098	10.146	VV	19175	454483	30.66%	0.839%
152	10.166	10.146	10.211	VV	19868	581421	39.22%	1.073%
153	10.232	10.211	10.251	VV	12908	292634	19.74%	0.540%
154	10.270	10.251	10.305	VV	15140	389472	26.27%	0.719%
155	10.336	10.305	10.366	VV	16758	462225	31.18%	0.853%
156	10.395	10.366	10.421	VV	13554	393141	26.52%	0.726%
157	10.441	10.421	10.456	VV	12723	233144	15.73%	0.430%
158	10.461	10.456	10.474	VV	11688	120654	8.14%	0.223%
159	10.495	10.474	10.523	VV	20499	432793	29.19%	0.799%
160	10.553	10.523	10.581	VV	51224	947410	63.91%	1.749%
161	10.605	10.581	10.616	VV	18591	331714	22.38%	0.612%
162	10.632	10.616	10.656	VV	23620	460347	31.05%	0.850%
163	10.673	10.656	10.691	VV	25525	407362	27.48%	0.752%
164	10.701	10.691	10.724	VV	16212	272356	18.37%	0.503%
165	10.749	10.724	10.759	VV	18158	313580	21.15%	0.579%
166	10.766	10.759	10.788	VV	17326	254879	17.19%	0.470%
167	10.813	10.788	10.823	VV	20103	353705	23.86%	0.653%
168	10.832	10.823	10.868	VV	20381	490966	33.12%	0.906%
169	10.884	10.868	10.902	VV	18356	345862	23.33%	0.638%
170	10.918	10.902	10.938	VV	17885	357258	24.10%	0.659%
171	10.975	10.938	11.003	VV	80953	1482437	100.00%	2.736%
172	11.019	11.003	11.047	VV	16880	397178	26.79%	0.733%
173	11.054	11.047	11.067	VV	12651	151469	10.22%	0.280%
174	11.114	11.067	11.129	VV	14715	496243	33.47%	0.916%
175	11.152	11.129	11.208	VV	20102	699381	47.18%	1.291%
176	11.235	11.208	11.268	VV	17185	507644	34.24%	0.937%
177	11.297	11.268	11.323	VV	21688	519271	35.03%	0.958%
178	11.331	11.323	11.351	VV	12736	211957	14.30%	0.391%
179	11.376	11.351	11.398	VV	14718	371650	25.07%	0.686%
180	11.434	11.398	11.442	VV	13829	336628	22.71%	0.621%
181	11.462	11.442	11.483	VV	19166	395719	26.69%	0.730%
182	11.504	11.483	11.532	VV	17764	454253	30.64%	0.838%
183	11.548	11.532	11.569	VV	17540	355676	23.99%	0.656%
184	11.582	11.569	11.592	VV	15222	205663	13.87%	0.380%
185	11.603	11.592	11.615	VV	16394	215063	14.51%	0.397%
186	11.631	11.615	11.656	VV	17750	395714	26.69%	0.730%
187	11.697	11.656	11.729	VV	50247	1145125	77.25%	2.114%
188	11.751	11.729	11.778	VV	14877	383560	25.87%	0.708%
189	11.805	11.778	11.829	VV	17741	421071	28.40%	0.777%
190	11.848	11.829	11.859	VV	13468	229688	15.49%	0.424%
191	11.882	11.859	11.902	VV	14205	356851	24.07%	0.659%
192	11.905	11.902	11.909	VV	13664	54533	3.68%	0.101%
193	11.912	11.909	11.929	VV	13716	154339	10.41%	0.285%
194	11.955	11.929	11.969	VV	17803	350312	23.63%	0.647%

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195	11.985	11.969	12.029	VV	20343	519956	35.07%	0.960%
196	12.050	12.029	12.062	VV	13160	238162	16.07%	0.440%
197	12.073	12.062	12.080	VV	12543	133975	9.04%	0.247%
198	12.103	12.080	12.120	VV	17670	356114	24.02%	0.657%
199	12.136	12.120	12.188	VV	16311	565958	38.18%	1.045%
200	12.209	12.188	12.222	VV	12340	243180	16.40%	0.449%
201	12.254	12.222	12.278	VV	24388	575790	38.84%	1.063%
202	12.293	12.278	12.332	VV	15876	424188	28.61%	0.783%
203	12.356	12.332	12.370	VV	13458	274637	18.53%	0.507%
204	12.398	12.370	12.444	VV	13235	521101	35.15%	0.962%
205	12.459	12.444	12.468	VV	12028	161722	10.91%	0.298%
206	12.490	12.468	12.537	VV	14670	504311	34.02%	0.931%
207	12.572	12.537	12.589	VV	11329	325117	21.93%	0.600%
208	12.603	12.589	12.617	VV	10287	165686	11.18%	0.306%
209	12.635	12.617	12.672	VV	11052	329837	22.25%	0.609%
210	12.701	12.672	12.723	VV	11215	307844	20.77%	0.568%
211	12.745	12.723	12.755	VV	13196	210938	14.23%	0.389%
212	12.760	12.755	12.808	VV	12630	327355	22.08%	0.604%
213	12.853	12.808	12.873	VV	16669	473084	31.91%	0.873%
214	12.890	12.873	12.903	VV	12482	203953	13.76%	0.376%
215	12.918	12.903	12.951	VV	13366	296208	19.98%	0.547%
216	12.969	12.951	12.984	VV	10592	179237	12.09%	0.331%
217	12.994	12.984	13.012	VV	8725	135536	9.14%	0.250%
218	13.028	13.012	13.042	VV	7875	136886	9.23%	0.253%
219	13.063	13.042	13.083	VV	8557	191907	12.95%	0.354%
220	13.095	13.083	13.122	VV	8482	173335	11.69%	0.320%
221	13.134	13.122	13.149	VV	6414	99658	6.72%	0.184%
222	13.167	13.149	13.176	VV	6954	108146	7.30%	0.200%
223	13.191	13.176	13.205	VV	7040	120582	8.13%	0.223%
224	13.217	13.205	13.247	VV	6994	161562	10.90%	0.298%
225	13.266	13.247	13.287	VV	8593	168945	11.40%	0.312%
226	13.305	13.287	13.321	VV	7352	133228	8.99%	0.246%
227	13.337	13.321	13.351	VV	6547	105076	7.09%	0.194%
228	13.366	13.351	13.385	VV	6172	123954	8.36%	0.229%
229	13.410	13.385	13.448	VV	10339	285595	19.27%	0.527%
230	13.454	13.448	13.517	VV	6154	214289	14.46%	0.396%
231	13.546	13.517	13.580	VV	6130	207138	13.97%	0.382%
232	13.600	13.580	13.649	VV	7534	213010	14.37%	0.393%
233	13.664	13.649	13.678	VV	5203	77222	5.21%	0.143%
234	13.696	13.678	13.720	VV	5640	114746	7.74%	0.212%
235	13.750	13.720	13.780	VV	5847	161053	10.86%	0.297%
236	13.797	13.780	13.804	VV	4161	56249	3.79%	0.104%
237	13.805	13.804	13.832	VV	4139	66393	4.48%	0.123%
238	13.852	13.832	13.884	VV	4437	111809	7.54%	0.206%
239	13.905	13.884	13.919	VV	3129	61212	4.13%	0.113%
240	13.936	13.919	13.944	VV	2922	41235	2.78%	0.076%
241	13.969	13.944	13.985	VV	3939	84473	5.70%	0.156%
242	14.019	13.985	14.087	VV	3875	185071	12.48%	0.342%
243	14.089	14.087	14.098	VV	2092	12592	0.85%	0.023%
244	14.129	14.098	14.149	VV	3023	76449	5.16%	0.141%
245	14.169	14.149	14.190	VV	2454	53333	3.60%	0.098%
246	14.196	14.190	14.222	VV	1985	35250	2.38%	0.065%

					rteres			
247	14.238	14.222	14.249	VV	2018	30076	2.03%	0.056%
248	14.259	14.249	14.283	VV	1924	34103	2.30%	0.063%
249	14.342	14.283	14.381	VV	2923	106549	7.19%	0.197%
250	14.412	14.381	14.448	VV	1685	52065	3.51%	0.096%
251	14.451	14.448	14.456	VV	1003	4981	0.34%	0.009%
252	14.476	14.456	14.490	VV	1829	30194	2.04%	0.056%
253	14.501	14.490	14.515	VV	1562	21533	1.45%	0.040%
254	14.523	14.515	14.544	VV	1410	20831	1.41%	0.038%
255	14.584	14.544	14.608	VV	1359	41358	2.79%	0.076%
256	14.626	14.608	14.650	VV	1223	19704	1.33%	0.036%
257	14.674	14.650	14.709	VV	970	24943	1.68%	0.046%
258	14.713	14.709	14.723	VV	683	4676	0.32%	0.009%
259	14.742	14.723	14.754	VV	822	13303	0.90%	0.025%
260	14.768	14.754	14.781	VV	1055	14230	0.96%	0.026%
261	14.798	14.781	14.824	VV	1619	30415	2.05%	0.056%
262	14.829	14.824	14.850	VV	1015	10471	0.71%	0.019%
263	14.868	14.850	14.876	VV	280	3001	0.20%	0.006%
264	14.880	14.876	14.884	VV	216	578	0.04%	0.001%
265	14.905	14.884	14.909	VV	306	2724	0.18%	0.005%
266	14.924	14.909	14.930	VV	609	5552	0.37%	0.010%
267	14.947	14.930	14.978	VV	693	14179	0.96%	0.026%
268	14.984	14.978	14.989	VV	235	1057	0.07%	0.002%
269	15.012	14.989	15.044	VV	422	6822	0.46%	0.013%
270	15.087	15.059	15.092	BV	26	-874	-0.06%	-0.002%
271	15.112	15.092	15.129	VV	339	5132	0.35%	0.009%
272	15.141	15.129	15.164	VV	501	6438	0.43%	0.012%
273	15.183	15.164	15.200	PV	621	9000	0.61%	0.017%
274	15.215	15.200	15.247	VV	644	14716	0.99%	0.027%
275	15.265	15.247	15.329	VV	651	25145	1.70%	0.046%
276	15.352	15.329	15.402	VV	1219	27219	1.84%	0.050%
277	15.418	15.402	15.428	PV	222	2533	0.17%	0.005%
278	15.457	15.428	15.507	VV	801	20496	1.38%	0.038%
279	15.514	15.507	15.525	VV	288	2658	0.18%	0.005%
280	15.544	15.525	15.567	VV	431	7980	0.54%	0.015%
281	15.583	15.567	15.619	VV	456	10463	0.71%	0.019%
282	15.649	15.619	15.678	VV	673	14476	0.98%	0.027%
283	15.688	15.678	15.706	VV	211	2530	0.17%	0.005%
284	15.771	15.706	15.797	VV	1138	34605	2.33%	0.064%
285	15.816	15.797	15.854	VV	925	15217	1.03%	0.028%
286	15.873	15.854	15.902	VV	419	4785	0.32%	0.009%
287	15.930	15.902	15.938	PV	291	3266	0.22%	0.006%
288	15.964	15.938	15.974	VV	519	8383	0.57%	0.015%
289	15.985	15.974	16.021	VV	617	14197	0.96%	0.026%
290	16.049	16.021	16.100	VV	1242	31271	2.11%	0.058%
291	16.110	16.100	16.122	VV	374	4032	0.27%	0.007%
292	16.135	16.122	16.167	VV	335	6250	0.42%	0.012%
293	16.187	16.167	16.217	VV	384	9303	0.63%	0.017%
294	16.239	16.217	16.247	VV	695	9976	0.67%	0.018%
295	16.272	16.247	16.314	VV	883	23113	1.56%	0.043%
296	16.330	16.314	16.360	VV	265	4123	0.28%	0.008%
297	16.443	16.360	16.462	PV	896	33330	2.25%	0.062%
298	16.480	16.462	16.497	VV	619	9465	0.64%	0.017%
299	16.556	16.497	16.585	VV	1137	39180	2.64%	0.072%

					rteres			
300	16.602	16.585	16.648	VV	861	21411	1.44%	0.040%
301	16.717	16.648	16.754	PV	950	31598	2.13%	0.058%
302	16.766	16.754	16.781	VV	227	3574	0.24%	0.007%
303	16.800	16.781	16.823	VV	669	10555	0.71%	0.019%
304	16.834	16.823	16.851	VV	442	5212	0.35%	0.010%
305	16.933	16.851	16.970	VV	1080	47047	3.17%	0.087%
306	16.994	16.970	17.005	VV	705	13120	0.89%	0.024%
307	17.048	17.005	17.109	VV	774	30241	2.04%	0.056%
308	17.129	17.109	17.139	PV	301	2780	0.19%	0.005%
309	17.181	17.139	17.197	VV	1524	28323	1.91%	0.052%
310	17.209	17.197	17.265	VV	1139	19197	1.29%	0.035%

Sum of corrected areas: 54179723

FF102124.M Sat Oct 26 04:54:27 2024

Report of Analysis

Client:	ENTACT	Date Collected:	10/23/24
Project:	North Point	Date Received:	10/23/24
Client Sample ID:	EX-5-TPH-3	SDG No.:	P4518
Lab Sample ID:	P4518-03	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	84.1
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Final Vol:	1
GPC Factor :		PH :	
Prep Method :	SW3541	Decanted:	
		Test:	Diesel Range Organics
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF014782.D	20	10/24/24 11:10	10/25/24 10:22	PB164381

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	559000		4380	39500	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	0.59		37 - 130	59%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance 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

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102524\
Data File : FF014782.D
Signal(s) : FID2B.ch
Acq On : 25 Oct 2024 10:22
Operator : YP\AJ
Sample : P4518-03 20X
Misc :
ALS Vial : 65 Sample Multiplier: 1

Integration File: Sample.e
Quant Time: Oct 26 04:03:06 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Quant Title :
QLast Update : Tue Oct 22 08:35:55 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S TETRACOSANE-d50 (SURR...	15.011	77623	0.590 ug/mlm

Target Compounds

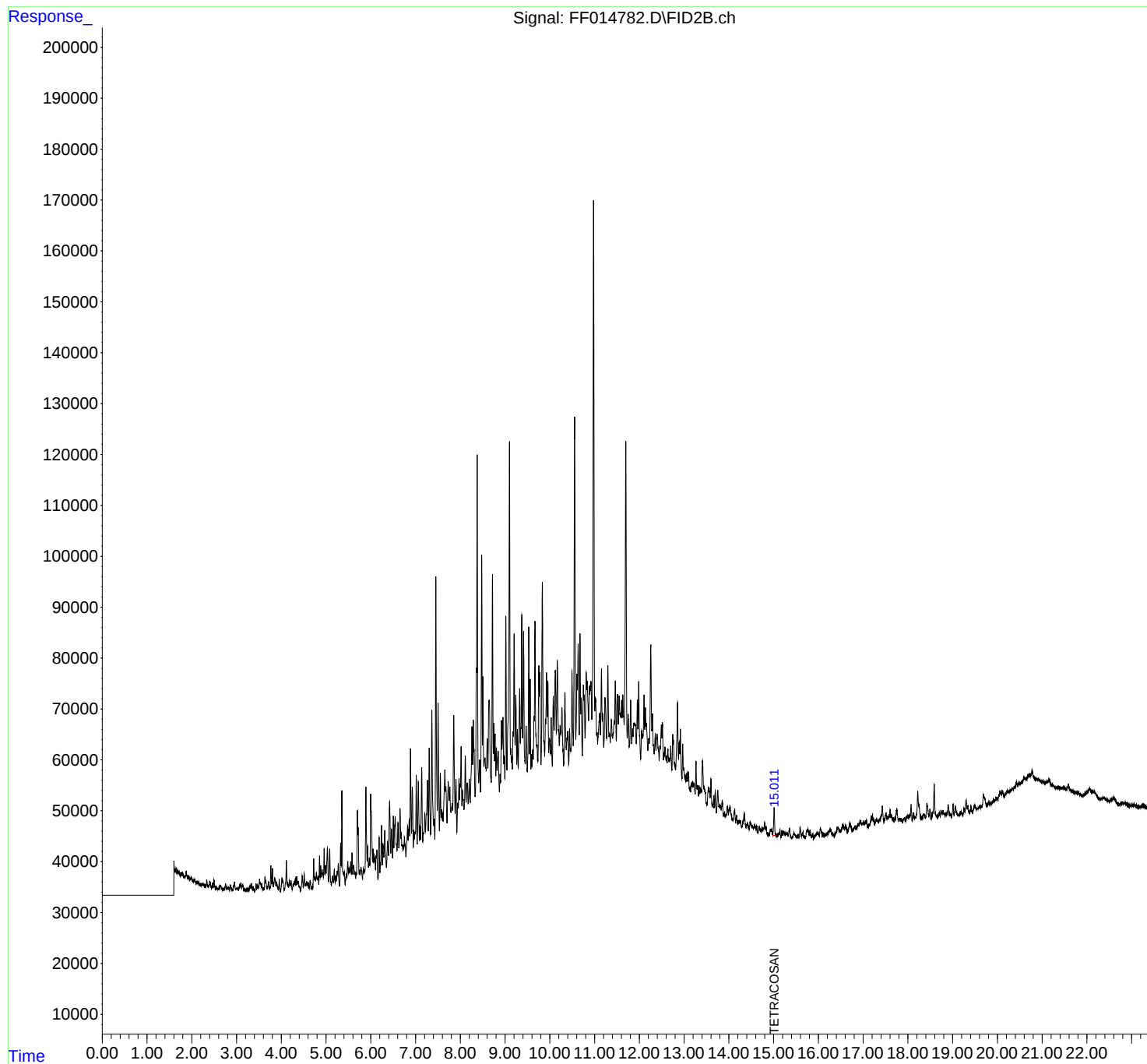
(f)=RT Delta > 1/2 Window

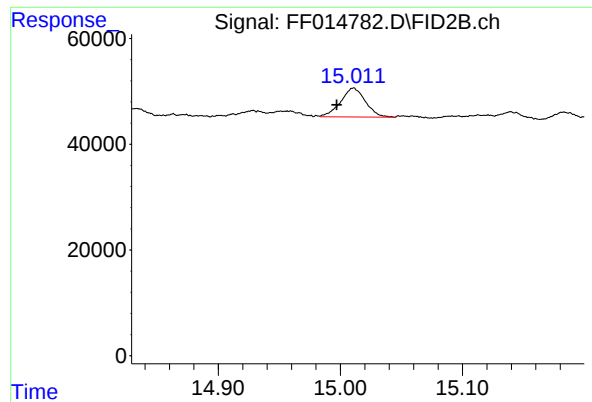
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102524\
Data File : FF014782.D
Signal(s) : FID2B.ch
Acq On : 25 Oct 2024 10:22
Operator : YP\AJ
Sample : P4518-03 20X
Misc :
ALS Vial : 65 Sample Multiplier: 1

Integration File: Sample.e
Quant Time: Oct 26 04:03:06 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Quant Title :
QLast Update : Tue Oct 22 08:35:55 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um





#9 TETRACOSANE-d50 (SURROGATE)

R.T.: 15.011 min
Delta R.T.: 0.014 min
Response: 77623
Conc: 0.59 ug/ml m

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102524\
Data File : FF014782.D
Signal(s) : FID2B.ch
Acq On : 25 Oct 2024 10:22
Sample : P4518-03 20X
Misc :
ALS Vial : 65 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Title :

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.468	4.422	4.493	BV	2653	42016	1.67%	0.040%
2	4.512	4.493	4.539	VV	3058	44496	1.77%	0.043%
3	4.569	4.539	4.595	VV	1301	32879	1.30%	0.032%
4	4.607	4.595	4.624	VV	1184	12184	0.48%	0.012%
5	4.644	4.624	4.669	VV	1709	21528	0.85%	0.021%
6	4.677	4.669	4.685	VV	167	930	0.04%	0.001%
7	4.725	4.685	4.741	PV	5852	66233	2.63%	0.064%
8	4.749	4.741	4.768	VV	2122	31170	1.24%	0.030%
9	4.785	4.768	4.805	VV	3110	49926	1.98%	0.048%
10	4.823	4.805	4.838	VV	2337	35209	1.40%	0.034%
11	4.855	4.838	4.869	VV	6276	65020	2.58%	0.063%
12	4.881	4.869	4.898	VV	4321	53157	2.11%	0.051%
13	4.914	4.898	4.926	VV	3526	49162	1.95%	0.047%
14	4.931	4.926	4.943	VV	2881	26620	1.06%	0.026%
15	4.958	4.943	4.976	VV	7721	90083	3.57%	0.087%
16	4.989	4.976	5.003	VV	4329	55327	2.19%	0.053%
17	5.031	5.003	5.062	VV	7628	148887	5.91%	0.143%
18	5.082	5.062	5.120	VV	7489	101738	4.04%	0.098%
19	5.148	5.120	5.166	VV	2060	34335	1.36%	0.033%
20	5.184	5.166	5.203	VV	3336	42424	1.68%	0.041%
21	5.216	5.203	5.229	VV	2046	23150	0.92%	0.022%
22	5.251	5.229	5.260	VV	2941	40267	1.60%	0.039%
23	5.274	5.260	5.301	VV	4434	56464	2.24%	0.054%
24	5.326	5.301	5.338	PV	8398	89273	3.54%	0.086%
25	5.354	5.338	5.384	VV	18670	219953	8.73%	0.212%
26	5.388	5.384	5.399	VV	2463	20584	0.82%	0.020%
27	5.408	5.399	5.428	VV	2741	28507	1.13%	0.027%
28	5.456	5.428	5.468	VV	2175	33961	1.35%	0.033%
29	5.486	5.468	5.502	VV	4605	66777	2.65%	0.064%
30	5.511	5.502	5.521	VV	3298	32744	1.30%	0.031%
31	5.528	5.521	5.535	VV	2724	21356	0.85%	0.021%
32	5.551	5.535	5.565	VV	4508	60980	2.42%	0.059%
33	5.581	5.565	5.598	VV	6249	80696	3.20%	0.078%
34	5.613	5.598	5.640	VV	3802	74142	2.94%	0.071%
35	5.648	5.640	5.662	VV	2419	25374	1.01%	0.024%
36	5.676	5.662	5.682	VV	2095	20842	0.83%	0.020%

rteres								
37	5.700	5.682	5.711	VV	14406	156845	6.22%	0.151%
38	5.718	5.711	5.742	VV	11055	122032	4.84%	0.117%
39	5.755	5.742	5.766	VV	2604	32377	1.28%	0.031%
40	5.782	5.766	5.815	VV	3174	66134	2.62%	0.064%
41	5.834	5.815	5.847	VV	2882	39987	1.59%	0.038%
42	5.859	5.847	5.867	VV	2561	27412	1.09%	0.026%
43	5.891	5.867	5.919	VV	18808	292718	11.61%	0.282%
44	5.930	5.919	5.948	VV	7090	86250	3.42%	0.083%
45	5.969	5.948	5.979	VV	4871	74384	2.95%	0.072%
46	5.997	5.979	6.040	VV	17356	382227	15.16%	0.368%
47	6.051	6.040	6.063	VV	6517	71218	2.83%	0.069%
48	6.073	6.063	6.084	VV	5535	61667	2.45%	0.059%
49	6.091	6.084	6.105	VV	4500	46896	1.86%	0.045%
50	6.119	6.105	6.126	VV	5181	53319	2.12%	0.051%
51	6.137	6.126	6.160	VV	6175	73581	2.92%	0.071%
52	6.186	6.160	6.203	VV	8683	106232	4.21%	0.102%
53	6.239	6.203	6.257	VV	10928	176936	7.02%	0.170%
54	6.271	6.257	6.293	VV	7305	118101	4.69%	0.114%
55	6.311	6.293	6.351	VV	9930	200711	7.96%	0.193%
56	6.374	6.351	6.396	VV	7596	151952	6.03%	0.146%
57	6.420	6.396	6.447	VV	15388	306279	12.15%	0.295%
58	6.462	6.447	6.486	VV	9946	176350	7.00%	0.170%
59	6.503	6.486	6.516	VV	12558	153628	6.09%	0.148%
60	6.545	6.516	6.586	VV	12223	371324	14.73%	0.357%
61	6.607	6.586	6.626	VV	11139	196499	7.80%	0.189%
62	6.653	6.626	6.671	VV	13691	268837	10.67%	0.259%
63	6.679	6.671	6.695	VV	9082	116086	4.61%	0.112%
64	6.704	6.695	6.717	VV	6769	81839	3.25%	0.079%
65	6.728	6.717	6.737	VV	6558	73394	2.91%	0.071%
66	6.750	6.737	6.784	VV	8147	184470	7.32%	0.177%
67	6.821	6.784	6.834	VV	10254	223477	8.87%	0.215%
68	6.858	6.834	6.869	VV	11236	202290	8.03%	0.195%
69	6.887	6.869	6.911	VV	25349	382548	15.18%	0.368%
70	6.927	6.911	6.949	VV	17767	289774	11.50%	0.279%
71	6.961	6.949	6.972	VV	9288	108858	4.32%	0.105%
72	6.985	6.972	6.998	VV	8846	131895	5.23%	0.127%
73	7.015	6.998	7.036	VV	20024	289237	11.47%	0.278%
74	7.061	7.036	7.086	VV	18672	369605	14.66%	0.356%
75	7.098	7.086	7.110	VV	9766	119297	4.73%	0.115%
76	7.137	7.110	7.163	VV	21441	403669	16.01%	0.388%
77	7.204	7.163	7.221	VV	12231	330283	13.10%	0.318%
78	7.239	7.221	7.243	VV	12189	141171	5.60%	0.136%
79	7.265	7.243	7.285	VV	18775	355330	14.10%	0.342%
80	7.304	7.285	7.336	VV	25047	469390	18.62%	0.452%
81	7.364	7.336	7.403	VV	32444	679697	26.96%	0.654%
82	7.414	7.403	7.430	VV	10908	155704	6.18%	0.150%
83	7.453	7.430	7.487	VV	58601	928986	36.85%	0.894%
84	7.503	7.487	7.533	VV	33771	559137	22.18%	0.538%
85	7.554	7.533	7.571	VV	19870	317929	12.61%	0.306%
86	7.581	7.571	7.592	VV	12743	150103	5.95%	0.144%
87	7.601	7.592	7.615	VV	11939	155667	6.18%	0.150%
88	7.654	7.615	7.668	VV	20402	507047	20.12%	0.488%
89	7.677	7.668	7.703	VV	17083	297721	11.81%	0.286%

					rteres			
90	7.730	7.703	7.755	VV	17991	466872	18.52%	0.449%
91	7.766	7.755	7.791	VV	16933	304822	12.09%	0.293%
92	7.816	7.791	7.828	VV	13617	288538	11.45%	0.278%
93	7.853	7.828	7.884	VV	30925	667702	26.49%	0.642%
94	7.904	7.884	7.923	VV	18302	323329	12.83%	0.311%
95	7.942	7.923	7.954	VV	13644	213539	8.47%	0.205%
96	7.970	7.954	7.982	VV	18399	265811	10.55%	0.256%
97	7.995	7.982	8.001	VV	17344	182850	7.25%	0.176%
98	8.018	8.001	8.036	VV	24571	406668	16.13%	0.391%
99	8.048	8.036	8.081	VV	16000	384106	15.24%	0.369%
100	8.112	8.081	8.130	VV	22643	489445	19.42%	0.471%
101	8.150	8.130	8.176	VV	17329	434084	17.22%	0.418%
102	8.201	8.176	8.220	VV	18053	402261	15.96%	0.387%
103	8.260	8.220	8.276	VV	28305	690101	27.38%	0.664%
104	8.291	8.276	8.335	VV	29523	779582	30.93%	0.750%
105	8.377	8.335	8.411	VV	81611	1672931	66.37%	1.609%
106	8.433	8.411	8.451	VV	21588	454508	18.03%	0.437%
107	8.478	8.451	8.494	VV	61754	946946	37.57%	0.911%
108	8.506	8.494	8.528	VV	37885	582402	23.10%	0.560%
109	8.553	8.528	8.579	VV	21811	632757	25.10%	0.609%
110	8.602	8.579	8.617	VV	25523	514074	20.39%	0.495%
111	8.643	8.617	8.691	VV	33032	1112738	44.14%	1.070%
112	8.719	8.691	8.739	VV	57695	970738	38.51%	0.934%
113	8.753	8.739	8.765	VV	28431	396700	15.74%	0.382%
114	8.777	8.765	8.793	VV	26369	379790	15.07%	0.365%
115	8.808	8.793	8.822	VV	23615	362763	14.39%	0.349%
116	8.848	8.822	8.873	VV	22871	606601	24.06%	0.584%
117	8.888	8.873	8.900	VV	18288	269477	10.69%	0.259%
118	8.919	8.900	8.932	VV	28860	451409	17.91%	0.434%
119	8.953	8.932	8.971	VV	29439	596507	23.66%	0.574%
120	8.979	8.971	8.998	VV	21849	318726	12.64%	0.307%
121	9.018	8.998	9.042	VV	49222	816602	32.40%	0.786%
122	9.099	9.042	9.121	VV	83501	1894439	75.16%	1.822%
123	9.127	9.121	9.144	VV	23171	304205	12.07%	0.293%
124	9.150	9.144	9.163	VV	21284	227340	9.02%	0.219%
125	9.179	9.163	9.185	VV	26415	311753	12.37%	0.300%
126	9.203	9.185	9.223	VV	45561	785492	31.16%	0.756%
127	9.241	9.223	9.261	VV	33456	624625	24.78%	0.601%
128	9.276	9.261	9.295	VV	26693	457456	18.15%	0.440%
129	9.326	9.295	9.342	VV	34544	765180	30.36%	0.736%
130	9.374	9.342	9.391	VV	49031	981779	38.95%	0.944%
131	9.414	9.391	9.451	VV	45864	1041857	41.33%	1.002%
132	9.471	9.451	9.495	VV	27125	602829	23.92%	0.580%
133	9.531	9.495	9.548	VV	46575	918041	36.42%	0.883%
134	9.562	9.548	9.578	VV	36283	489903	19.44%	0.471%
135	9.589	9.578	9.601	VV	21447	277948	11.03%	0.267%
136	9.618	9.601	9.630	VV	22279	369780	14.67%	0.356%
137	9.647	9.630	9.652	VV	28730	338291	13.42%	0.325%
138	9.668	9.652	9.705	VV	47613	1000406	39.69%	0.962%
139	9.713	9.705	9.731	VV	23299	342523	13.59%	0.329%
140	9.755	9.731	9.766	VV	38726	630833	25.03%	0.607%
141	9.776	9.766	9.803	VV	37440	638208	25.32%	0.614%

rteres								
142	9.832	9.803	9.885	VV	54959	1535956	60.93%	1.478%
143	9.902	9.885	9.909	VV	27984	371846	14.75%	0.358%
144	9.927	9.909	9.943	VV	37179	661925	26.26%	0.637%
145	9.956	9.943	9.974	VV	35383	548400	21.76%	0.528%
146	9.993	9.974	10.015	VV	24234	556472	22.08%	0.535%
147	10.030	10.015	10.055	VV	28291	557023	22.10%	0.536%
148	10.078	10.055	10.097	VV	32383	674441	26.76%	0.649%
149	10.123	10.097	10.147	VV	37509	937670	37.20%	0.902%
150	10.167	10.147	10.212	VV	39255	1163150	46.14%	1.119%
151	10.229	10.212	10.238	VV	26475	398380	15.80%	0.383%
152	10.242	10.238	10.250	VV	25496	169664	6.73%	0.163%
153	10.270	10.250	10.307	VV	29917	846938	33.60%	0.815%
154	10.337	10.307	10.368	VV	32764	915850	36.33%	0.881%
155	10.396	10.368	10.421	VV	25256	735542	29.18%	0.708%
156	10.442	10.421	10.459	VV	25576	513475	20.37%	0.494%
157	10.462	10.459	10.474	VV	21762	193433	7.67%	0.186%
158	10.495	10.474	10.523	VV	36855	817814	32.44%	0.787%
159	10.554	10.523	10.580	VV	86564	1650106	65.46%	1.587%
160	10.604	10.580	10.616	VV	36226	660118	26.19%	0.635%
161	10.632	10.616	10.657	VV	42096	843621	33.47%	0.812%
162	10.674	10.657	10.691	VV	44147	710712	28.20%	0.684%
163	10.701	10.691	10.726	VV	31443	556217	22.07%	0.535%
164	10.749	10.726	10.760	VV	33963	586878	23.28%	0.565%
165	10.767	10.760	10.786	VV	31984	448120	17.78%	0.431%
166	10.813	10.786	10.824	VV	36303	707320	28.06%	0.680%
167	10.834	10.824	10.865	VV	34612	770032	30.55%	0.741%
168	10.885	10.865	10.893	VV	33551	521638	20.69%	0.502%
169	10.902	10.893	10.911	VV	33099	348695	13.83%	0.335%
170	10.919	10.911	10.937	VV	34339	490684	19.47%	0.472%
171	10.976	10.937	11.004	VV	128654	2520698	100.00%	2.425%
172	11.020	11.004	11.046	VV	31107	716782	28.44%	0.690%
173	11.052	11.046	11.068	VV	24248	310739	12.33%	0.299%
174	11.114	11.068	11.131	VV	28026	954161	37.85%	0.918%
175	11.153	11.131	11.172	VV	36707	736680	29.23%	0.709%
176	11.179	11.172	11.204	VV	27883	487006	19.32%	0.468%
177	11.233	11.204	11.268	VV	31018	1012944	40.19%	0.974%
178	11.296	11.268	11.323	VV	37209	943017	37.41%	0.907%
179	11.329	11.323	11.349	VV	23921	360527	14.30%	0.347%
180	11.374	11.349	11.404	VV	26431	801915	31.81%	0.771%
181	11.436	11.404	11.440	VV	26021	524868	20.82%	0.505%
182	11.463	11.440	11.485	VV	33997	763350	30.28%	0.734%
183	11.509	11.485	11.530	VV	31223	750869	29.79%	0.722%
184	11.548	11.530	11.573	VV	31030	728063	28.88%	0.700%
185	11.583	11.573	11.591	VV	27504	298386	11.84%	0.287%
186	11.602	11.591	11.615	VV	29991	412881	16.38%	0.397%
187	11.631	11.615	11.660	VV	31133	758434	30.09%	0.730%
188	11.698	11.660	11.729	VV	80544	1850870	73.43%	1.780%
189	11.751	11.729	11.780	VV	27174	732348	29.05%	0.704%
190	11.806	11.780	11.829	VV	29925	726053	28.80%	0.698%
191	11.847	11.829	11.859	VV	24230	408622	16.21%	0.393%
192	11.892	11.859	11.932	VV	25295	1063369	42.19%	1.023%
193	11.956	11.932	11.969	VV	29644	576914	22.89%	0.555%
194	11.986	11.969	12.030	VV	33338	905087	35.91%	0.871%

rteres								
195	12.051	12.030	12.068	VV	23600	493738	19.59%	0.475%
196	12.075	12.068	12.081	VV	22897	178352	7.08%	0.172%
197	12.105	12.081	12.122	VV	30486	635193	25.20%	0.611%
198	12.135	12.122	12.153	VV	27927	477177	18.93%	0.459%
199	12.159	12.153	12.190	VV	24914	507492	20.13%	0.488%
200	12.209	12.190	12.223	VV	21880	412735	16.37%	0.397%
201	12.255	12.223	12.280	VV	40256	1011318	40.12%	0.973%
202	12.294	12.280	12.332	VV	26692	697031	27.65%	0.671%
203	12.356	12.332	12.371	VV	22824	490430	19.46%	0.472%
204	12.397	12.371	12.442	VV	22644	877781	34.82%	0.844%
205	12.459	12.442	12.468	VV	20173	296161	11.75%	0.285%
206	12.492	12.468	12.504	VV	24319	485087	19.24%	0.467%
207	12.516	12.504	12.538	VV	24718	438609	17.40%	0.422%
208	12.576	12.538	12.596	VV	19880	642928	25.51%	0.618%
209	12.604	12.596	12.622	VV	18106	275634	10.93%	0.265%
210	12.636	12.622	12.666	VV	19568	477655	18.95%	0.459%
211	12.701	12.666	12.729	VV	19822	653784	25.94%	0.629%
212	12.746	12.729	12.756	VV	22229	324277	12.86%	0.312%
213	12.762	12.756	12.811	VV	21138	568005	22.53%	0.546%
214	12.854	12.811	12.876	VV	28329	816286	32.38%	0.785%
215	12.891	12.876	12.902	VV	20563	302337	11.99%	0.291%
216	12.917	12.902	12.950	VV	23047	523413	20.76%	0.504%
217	12.970	12.950	12.987	VV	20045	369050	14.64%	0.355%
218	12.993	12.987	13.017	VV	15361	256533	10.18%	0.247%
219	13.032	13.017	13.046	VV	13883	234797	9.31%	0.226%
220	13.065	13.046	13.083	VV	14265	297472	11.80%	0.286%
221	13.099	13.083	13.125	VV	14444	318856	12.65%	0.307%
222	13.133	13.125	13.145	VV	11374	131058	5.20%	0.126%
223	13.163	13.145	13.174	VV	12091	206390	8.19%	0.199%
224	13.189	13.174	13.206	VV	12528	224482	8.91%	0.216%
225	13.220	13.206	13.245	VV	12142	271887	10.79%	0.262%
226	13.267	13.245	13.294	VV	16461	365285	14.49%	0.351%
227	13.305	13.294	13.321	VV	11450	178846	7.10%	0.172%
228	13.337	13.321	13.352	VV	11484	196054	7.78%	0.189%
229	13.367	13.352	13.387	VV	11016	222411	8.82%	0.214%
230	13.410	13.387	13.496	VV	16292	750559	29.78%	0.722%
231	13.500	13.496	13.510	VV	7930	66525	2.64%	0.064%
232	13.556	13.510	13.581	VV	10773	412865	16.38%	0.397%
233	13.600	13.581	13.627	VV	12590	272088	10.79%	0.262%
234	13.630	13.627	13.650	VV	7572	102600	4.07%	0.099%
235	13.665	13.650	13.680	VV	9130	144249	5.72%	0.139%
236	13.696	13.680	13.724	VV	10003	205292	8.14%	0.197%
237	13.749	13.724	13.784	VV	10207	288095	11.43%	0.277%
238	13.795	13.784	13.805	VV	7161	89727	3.56%	0.086%
239	13.812	13.805	13.832	VV	7278	110395	4.38%	0.106%
240	13.853	13.832	13.883	VV	8138	202014	8.01%	0.194%
241	13.904	13.883	13.922	VV	5713	124008	4.92%	0.119%
242	13.932	13.922	13.941	VV	5208	58925	2.34%	0.057%
243	13.967	13.941	13.990	VV	6820	170891	6.78%	0.164%
244	14.007	13.990	14.014	VV	6356	84933	3.37%	0.082%
245	14.025	14.014	14.087	VV	6547	228569	9.07%	0.220%
246	14.131	14.087	14.149	VV	6097	178798	7.09%	0.172%

					rteres			
247	14.170	14.149	14.194	VV	4839	108620	4.31%	0.104%
248	14.201	14.194	14.215	VV	3676	44068	1.75%	0.042%
249	14.219	14.215	14.224	VV	3486	17119	0.68%	0.016%
250	14.238	14.224	14.253	VV	3605	59912	2.38%	0.058%
251	14.261	14.253	14.284	VV	3731	57573	2.28%	0.055%
252	14.288	14.284	14.294	VV	2523	14532	0.58%	0.014%
253	14.345	14.294	14.379	VV	4922	178245	7.07%	0.171%
254	14.382	14.379	14.389	VV	2445	14598	0.58%	0.014%
255	14.414	14.389	14.456	VV	3187	101924	4.04%	0.098%
256	14.476	14.456	14.495	VV	3338	65009	2.58%	0.063%
257	14.499	14.495	14.515	VV	2824	31124	1.23%	0.030%
258	14.522	14.515	14.528	VV	2519	18232	0.72%	0.018%
259	14.531	14.528	14.545	VV	2351	22337	0.89%	0.021%
260	14.552	14.545	14.560	VV	2111	17947	0.71%	0.017%
261	14.576	14.560	14.606	VV	2460	58780	2.33%	0.057%
262	14.622	14.606	14.645	VV	2331	39628	1.57%	0.038%
263	14.673	14.645	14.715	VV	2121	62809	2.49%	0.060%
264	14.741	14.715	14.749	VV	1710	28747	1.14%	0.028%
265	14.769	14.749	14.776	VV	1714	25498	1.01%	0.025%
266	14.799	14.776	14.820	VV	2822	55642	2.21%	0.054%
267	14.833	14.820	14.857	VV	1835	27063	1.07%	0.026%
268	14.863	14.857	14.880	VV	843	8127	0.32%	0.008%
269	14.885	14.880	14.894	VV	426	2943	0.12%	0.003%
270	14.928	14.894	14.940	VV	1386	22296	0.88%	0.021%
271	14.958	14.940	14.984	VV	1208	21157	0.84%	0.020%
272	15.011	14.984	15.044	VV	5511	78862	3.13%	0.076%
273	15.139	15.057	15.164	BV	1321	22714	0.90%	0.022%
274	15.183	15.164	15.198	PV	1384	16146	0.64%	0.016%
275	15.217	15.198	15.229	VV	1173	16715	0.66%	0.016%
276	15.234	15.229	15.252	VV	1003	12716	0.50%	0.012%
277	15.269	15.252	15.285	VV	990	17353	0.69%	0.017%
278	15.300	15.285	15.317	VV	1095	17148	0.68%	0.016%
279	15.355	15.317	15.379	VV	1934	41645	1.65%	0.040%
280	15.383	15.379	15.399	VV	553	4019	0.16%	0.004%
281	15.413	15.399	15.427	PV	435	5023	0.20%	0.005%
282	15.457	15.427	15.507	VV	1201	33085	1.31%	0.032%
283	15.525	15.507	15.532	VV	512	6236	0.25%	0.006%
284	15.551	15.532	15.557	VV	658	8538	0.34%	0.008%
285	15.591	15.557	15.619	VV	2301	43326	1.72%	0.042%
286	15.628	15.619	15.631	VV	801	4801	0.19%	0.005%
287	15.643	15.631	15.647	VV	967	7824	0.31%	0.008%
288	15.655	15.647	15.674	VV	1224	13040	0.52%	0.013%
289	15.679	15.674	15.687	VV	446	2894	0.11%	0.003%
290	15.692	15.687	15.700	VV	442	2481	0.10%	0.002%
291	15.704	15.700	15.708	VV	376	1241	0.05%	0.001%
292	15.711	15.708	15.713	VV	323	962	0.04%	0.001%
293	15.755	15.713	15.799	VV	1876	64751	2.57%	0.062%
294	15.817	15.799	15.848	VV	1670	26203	1.04%	0.025%
295	15.858	15.848	15.862	VV	605	4045	0.16%	0.004%
296	15.872	15.862	15.889	VV	780	8670	0.34%	0.008%
297	15.906	15.889	15.912	PV	379	2885	0.11%	0.003%
298	15.918	15.912	15.922	VV	480	2324	0.09%	0.002%
299	15.929	15.922	15.939	VV	641	5146	0.20%	0.005%

					rteres			
300	15.966	15.939	15.973	VV	982	15339	0.61%	0.015%
301	15.982	15.973	15.987	VV	1101	7444	0.30%	0.007%
302	15.991	15.987	16.023	VV	1227	16077	0.64%	0.015%
303	16.047	16.023	16.086	VV	1937	44988	1.78%	0.043%
304	16.092	16.086	16.100	VV	592	4485	0.18%	0.004%
305	16.122	16.100	16.135	VV	773	13044	0.52%	0.013%
306	16.147	16.135	16.164	VV	690	7796	0.31%	0.007%
307	16.195	16.164	16.206	VV	823	14741	0.58%	0.014%
308	16.237	16.206	16.254	VV	1248	27318	1.08%	0.026%
309	16.257	16.254	16.260	VV	1213	4132	0.16%	0.004%
310	16.278	16.260	16.310	VV	1483	27956	1.11%	0.027%
311	16.324	16.310	16.354	VV	633	9589	0.38%	0.009%
312	16.423	16.354	16.430	PV	1618	33820	1.34%	0.033%
313	16.438	16.430	16.474	VV	1547	29391	1.17%	0.028%
314	16.479	16.474	16.497	VV	933	10351	0.41%	0.010%
315	16.504	16.497	16.509	VV	885	5043	0.20%	0.005%
316	16.546	16.509	16.585	VV	1818	59585	2.36%	0.057%
317	16.604	16.585	16.647	VV	1657	36240	1.44%	0.035%
318	16.695	16.647	16.777	PV	1672	58554	2.32%	0.056%
319	16.807	16.777	16.820	VV	703	14204	0.56%	0.014%
320	16.824	16.820	16.852	VV	695	9778	0.39%	0.009%
321	16.869	16.852	16.875	VV	872	8385	0.33%	0.008%
322	16.887	16.875	16.902	VV	1104	14407	0.57%	0.014%
323	16.941	16.902	16.970	VV	1696	48395	1.92%	0.047%
324	16.980	16.970	16.985	VV	1069	8534	0.34%	0.008%
325	17.018	16.985	17.039	VV	1441	33239	1.32%	0.032%
326	17.068	17.039	17.095	VV	1336	31574	1.25%	0.030%
327	17.128	17.116	17.150	PV	397	5680	0.23%	0.005%
328	17.180	17.150	17.197	VV	1884	32566	1.29%	0.031%
329	17.210	17.197	17.255	VV	1899	35706	1.42%	0.034%
Sum of corrected areas:					103954031			

FF102124.M Sat Oct 26 04:53:55 2024

Report of Analysis

Client:	ENTACT		Date Collected:	10/23/24	
Project:	North Point		Date Received:	10/23/24	
Client Sample ID:	EX-5-TPH-4		SDG No.:	P4518	
Lab Sample ID:	P4518-04		Matrix:	SOIL	
Analytical Method:	8015D DRO		% Solid:	80.2	Decanted:
Sample Wt/Vol:	30.08	Units: g	Final Vol:	1	mL
Soil Aliquot Vol:		uL	Test:	Diesel Range Organics	
Extraction Type:			Injection Volume :		
GPC Factor :		PH :			
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF014785.D	100	10/24/24 11:10	10/25/24 11:49	PB164381

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	1900000		23000	207000	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	0.00	*	37 - 130	0%	SPK: 20

Comments:

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 P = Indicates >25% difference for detected concentrations between the two GC columns
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance 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
 S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
 () = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102524\
Data File : FF014785.D
Signal(s) : FID2B.ch
Acq On : 25 Oct 2024 11:49
Operator : YP\AJ
Sample : P4518-04 100X
Misc :
ALS Vial : 68 Sample Multiplier: 1

Integration File: Sample.e
Quant Time: Oct 26 04:03:31 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Quant Title :
QLast Update : Tue Oct 22 08:35:55 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
Target Compounds			

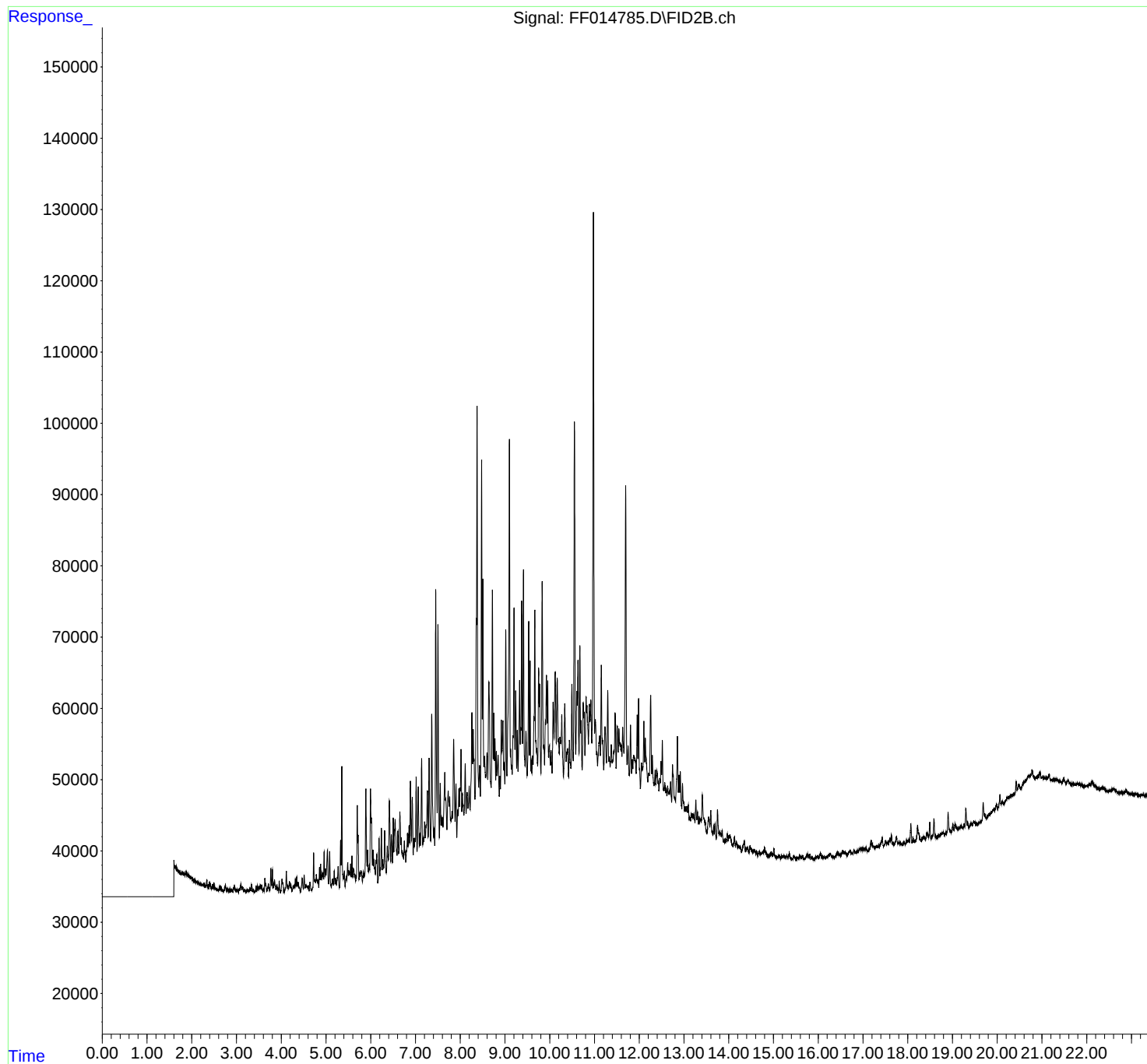
(f)=RT Delta > 1/2 Window

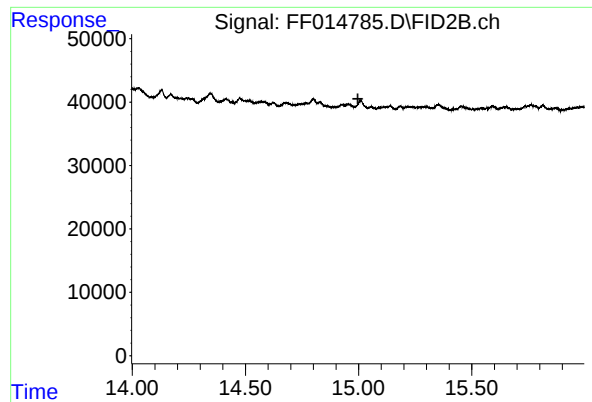
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102524\
Data File : FF014785.D
Signal(s) : FID2B.ch
Acq On : 25 Oct 2024 11:49
Operator : YP\AJ
Sample : P4518-04 100X
Misc :
ALS Vial : 68 Sample Multiplier: 1

Integration File: Sample.e
Quant Time: Oct 26 04:03:31 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Quant Title :
QLast Update : Tue Oct 22 08:35:55 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um





#9 TETRACOSANE-d50 (SURROGATE)

R.T.: 0.000 min
Exp R.T.: 14.997 min
Response: 0
Conc: N.D.

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102524\
Data File : FF014785.D
Signal(s) : FID2B.ch
Acq On : 25 Oct 2024 11:49
Sample : P4518-04 100X
Misc :
ALS Vial : 68 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Title :

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.468	4.416	4.494	BV	1594	22034	1.30%	0.033%
2	4.512	4.494	4.537	VV	2067	27492	1.62%	0.041%
3	4.556	4.537	4.594	VV	725	18241	1.07%	0.027%
4	4.605	4.594	4.623	VV	636	6784	0.40%	0.010%
5	4.642	4.623	4.674	PV	1200	15712	0.93%	0.023%
6	4.678	4.674	4.684	VV	142	483	0.03%	0.001%
7	4.724	4.684	4.740	PV	5288	57430	3.38%	0.085%
8	4.752	4.740	4.767	VV	1462	21468	1.26%	0.032%
9	4.785	4.767	4.813	VV	2223	41795	2.46%	0.062%
10	4.823	4.813	4.838	VV	1386	16554	0.98%	0.025%
11	4.855	4.838	4.867	VV	3191	31561	1.86%	0.047%
12	4.880	4.867	4.899	VV	3605	45658	2.69%	0.068%
13	4.914	4.899	4.925	VV	2340	31478	1.85%	0.047%
14	4.933	4.925	4.943	VV	2214	21235	1.25%	0.032%
15	4.958	4.943	4.976	VV	5298	63082	3.72%	0.094%
16	4.989	4.976	5.003	VV	2884	37307	2.20%	0.055%
17	5.032	5.003	5.061	VV	5450	104787	6.17%	0.155%
18	5.082	5.061	5.120	VV	5256	70299	4.14%	0.104%
19	5.149	5.120	5.167	VV	1314	23131	1.36%	0.034%
20	5.184	5.167	5.202	VV	2455	30132	1.78%	0.045%
21	5.216	5.202	5.233	VV	1361	17519	1.03%	0.026%
22	5.272	5.233	5.302	VV	3048	53829	3.17%	0.080%
23	5.327	5.302	5.338	PV	6659	68514	4.04%	0.102%
24	5.354	5.338	5.386	VV	17020	191828	11.30%	0.285%
25	5.410	5.386	5.428	VV	2271	33734	1.99%	0.050%
26	5.453	5.428	5.468	VV	1410	22961	1.35%	0.034%
27	5.486	5.468	5.502	VV	3378	48110	2.83%	0.071%
28	5.511	5.502	5.520	VV	2273	21852	1.29%	0.032%
29	5.529	5.520	5.534	VV	1893	15535	0.92%	0.023%
30	5.551	5.534	5.565	VV	3171	42598	2.51%	0.063%
31	5.581	5.565	5.598	VV	4304	54073	3.19%	0.080%
32	5.612	5.598	5.638	VV	2497	49304	2.90%	0.073%
33	5.647	5.638	5.663	VV	1625	17802	1.05%	0.026%
34	5.675	5.663	5.680	VV	1287	11309	0.67%	0.017%
35	5.699	5.680	5.711	VV	11255	122251	7.20%	0.181%
36	5.718	5.711	5.739	VV	7053	71309	4.20%	0.106%

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37	5.753	5.739	5.765	VV	1714	21405	1.26%	0.032%
38	5.781	5.765	5.814	VV	2101	42507	2.50%	0.063%
39	5.834	5.814	5.848	VV	1884	25639	1.51%	0.038%
40	5.856	5.848	5.867	VV	1503	15673	0.92%	0.023%
41	5.892	5.867	5.917	VV	13452	194677	11.47%	0.289%
42	5.929	5.917	5.950	VV	4845	62365	3.67%	0.093%
43	5.967	5.950	5.978	VV	2691	38287	2.26%	0.057%
44	5.995	5.978	6.008	VV	13369	154193	9.08%	0.229%
45	6.015	6.008	6.039	VV	9271	115458	6.80%	0.171%
46	6.051	6.039	6.063	VV	4771	52454	3.09%	0.078%
47	6.072	6.063	6.103	VV	3289	57517	3.39%	0.085%
48	6.119	6.103	6.127	VV	3294	36009	2.12%	0.053%
49	6.136	6.127	6.162	VV	4069	44605	2.63%	0.066%
50	6.186	6.162	6.200	PBA	5391	53988	3.18%	0.080%
51	6.239	6.200	6.258	BV	6372	75170	4.43%	0.112%
52	6.270	6.258	6.293	VV	1959	25347	1.49%	0.038%
53	6.311	6.293	6.346	VV	6030	81456	4.80%	0.121%
54	6.371	6.346	6.395	VV	3795	62035	3.65%	0.092%
55	6.417	6.395	6.446	VV	10173	178658	10.53%	0.265%
56	6.462	6.446	6.487	VV	5414	84910	5.00%	0.126%
57	6.503	6.487	6.517	VV	7745	84803	5.00%	0.126%
58	6.545	6.517	6.588	VV	7523	203941	12.02%	0.303%
59	6.607	6.588	6.627	VV	5864	94945	5.59%	0.141%
60	6.651	6.627	6.671	VV	8585	151315	8.91%	0.224%
61	6.679	6.671	6.695	VV	4953	58737	3.46%	0.087%
62	6.703	6.695	6.716	VV	3144	35772	2.11%	0.053%
63	6.725	6.716	6.735	VV	2615	26368	1.55%	0.039%
64	6.751	6.735	6.783	VV	4472	85872	5.06%	0.127%
65	6.821	6.783	6.833	VV	5534	107591	6.34%	0.160%
66	6.857	6.833	6.869	VV	6563	113836	6.71%	0.169%
67	6.886	6.869	6.910	VV	12823	193579	11.41%	0.287%
68	6.928	6.910	6.949	VV	10568	163393	9.63%	0.242%
69	6.960	6.949	6.972	VV	4702	52528	3.09%	0.078%
70	6.984	6.972	6.996	VV	4663	62568	3.69%	0.093%
71	7.015	6.996	7.036	VV	13403	178830	10.54%	0.265%
72	7.061	7.036	7.086	VV	11940	215038	12.67%	0.319%
73	7.097	7.086	7.109	VV	5397	62736	3.70%	0.093%
74	7.137	7.109	7.161	VV	15927	263495	15.52%	0.391%
75	7.175	7.161	7.185	VV	4744	62047	3.66%	0.092%
76	7.203	7.185	7.222	VV	7006	122017	7.19%	0.181%
77	7.238	7.222	7.243	VV	6572	72889	4.29%	0.108%
78	7.265	7.243	7.283	VV	11340	203067	11.96%	0.301%
79	7.304	7.283	7.338	VV	15937	295541	17.41%	0.438%
80	7.363	7.338	7.405	VV	22025	429050	25.28%	0.637%
81	7.415	7.405	7.429	VV	6041	75065	4.42%	0.111%
82	7.452	7.429	7.484	VV	39566	600900	35.40%	0.892%
83	7.502	7.484	7.534	VV	34649	493762	29.09%	0.733%
84	7.553	7.534	7.570	VV	12304	186499	10.99%	0.277%
85	7.580	7.570	7.590	VV	7629	86591	5.10%	0.128%
86	7.602	7.590	7.615	VV	7466	102095	6.02%	0.151%
87	7.654	7.615	7.671	VV	13806	335369	19.76%	0.498%
88	7.675	7.671	7.703	VV	10037	159584	9.40%	0.237%
89	7.731	7.703	7.754	VV	11162	290620	17.12%	0.431%

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90	7.764	7.754	7.797	VV	10388	213365	12.57%	0.317%
91	7.815	7.797	7.828	VV	8312	141554	8.34%	0.210%
92	7.853	7.828	7.884	VV	18462	412159	24.28%	0.611%
93	7.904	7.884	7.924	VV	12207	209141	12.32%	0.310%
94	7.943	7.924	7.954	VV	8523	131520	7.75%	0.195%
95	7.969	7.954	7.982	VV	11471	161230	9.50%	0.239%
96	7.994	7.982	8.001	VV	11606	123842	7.30%	0.184%
97	8.018	8.001	8.035	VV	16986	269505	15.88%	0.400%
98	8.047	8.035	8.081	VV	10733	255812	15.07%	0.380%
99	8.111	8.081	8.132	VV	14936	324957	19.15%	0.482%
100	8.150	8.132	8.174	VV	10904	247765	14.60%	0.368%
101	8.200	8.174	8.219	VV	11787	267372	15.75%	0.397%
102	8.261	8.219	8.277	VV	22080	507023	29.87%	0.752%
103	8.290	8.277	8.303	VV	19716	276581	16.30%	0.410%
104	8.308	8.303	8.329	VV	15572	201514	11.87%	0.299%
105	8.376	8.329	8.413	VV	65186	1383323	81.50%	2.052%
106	8.432	8.413	8.450	VV	14529	281033	16.56%	0.417%
107	8.478	8.450	8.493	VV	57387	815794	48.06%	1.210%
108	8.506	8.493	8.529	VV	40736	562188	33.12%	0.834%
109	8.541	8.529	8.563	VV	15864	296609	17.48%	0.440%
110	8.571	8.563	8.576	VV	13281	104678	6.17%	0.155%
111	8.599	8.576	8.616	VV	16383	348076	20.51%	0.516%
112	8.641	8.616	8.691	VV	26199	813865	47.95%	1.207%
113	8.719	8.691	8.738	VV	39162	653166	38.48%	0.969%
114	8.753	8.738	8.766	VV	21867	301304	17.75%	0.447%
115	8.776	8.766	8.793	VV	18327	256496	15.11%	0.381%
116	8.806	8.793	8.822	VV	16339	254164	14.97%	0.377%
117	8.847	8.822	8.875	VV	15966	430559	25.37%	0.639%
118	8.887	8.875	8.900	VV	12929	178206	10.50%	0.264%
119	8.918	8.900	8.933	VV	20809	329506	19.41%	0.489%
120	8.954	8.933	8.971	VV	20793	409582	24.13%	0.608%
121	8.981	8.971	8.998	VV	14860	219251	12.92%	0.325%
122	9.018	8.998	9.043	VV	33464	567464	33.43%	0.842%
123	9.099	9.043	9.121	VV	60197	1356017	79.89%	2.012%
124	9.127	9.121	9.143	VV	16669	206655	12.18%	0.307%
125	9.151	9.143	9.162	VV	14433	156226	9.20%	0.232%
126	9.180	9.162	9.183	VV	18504	207619	12.23%	0.308%
127	9.203	9.183	9.223	VV	36562	612563	36.09%	0.909%
128	9.241	9.223	9.261	VV	24853	456269	26.88%	0.677%
129	9.275	9.261	9.293	VV	19359	307896	18.14%	0.457%
130	9.327	9.293	9.343	VV	26387	593397	34.96%	0.880%
131	9.352	9.343	9.357	VV	19655	169369	9.98%	0.251%
132	9.373	9.357	9.390	VV	37488	530928	31.28%	0.788%
133	9.414	9.390	9.452	VV	41840	855999	50.43%	1.270%
134	9.469	9.452	9.498	VV	19053	438742	25.85%	0.651%
135	9.531	9.498	9.547	VV	34569	635834	37.46%	0.943%
136	9.561	9.547	9.578	VV	29045	393128	23.16%	0.583%
137	9.587	9.578	9.600	VV	15006	188628	11.11%	0.280%
138	9.616	9.600	9.629	VV	15680	261452	15.40%	0.388%
139	9.647	9.629	9.652	VV	21161	241756	14.24%	0.359%
140	9.667	9.652	9.704	VV	36089	735383	43.33%	1.091%
141	9.711	9.704	9.730	VV	16708	243753	14.36%	0.362%

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142	9.753	9.730	9.766	VV	27879	475805	28.03%	0.706%
143	9.775	9.766	9.804	VV	25720	440553	25.96%	0.654%
144	9.832	9.804	9.864	VV	40079	877083	51.68%	1.301%
145	9.870	9.864	9.885	VV	17144	202841	11.95%	0.301%
146	9.903	9.885	9.909	VV	20449	268701	15.83%	0.399%
147	9.926	9.909	9.943	VV	26875	469198	27.64%	0.696%
148	9.956	9.943	9.975	VV	26066	408546	24.07%	0.606%
149	9.993	9.975	10.017	VV	16985	397644	23.43%	0.590%
150	10.031	10.017	10.052	VV	16342	320598	18.89%	0.476%
151	10.076	10.052	10.097	VV	23092	501075	29.52%	0.743%
152	10.123	10.097	10.146	VV	27313	661004	38.94%	0.981%
153	10.168	10.146	10.193	VV	26437	616734	36.34%	0.915%
154	10.196	10.193	10.213	VV	17912	206149	12.15%	0.306%
155	10.229	10.213	10.237	VV	18110	251479	14.82%	0.373%
156	10.242	10.237	10.252	VV	17644	156742	9.23%	0.233%
157	10.270	10.252	10.307	VV	21249	559883	32.99%	0.831%
158	10.336	10.307	10.366	VV	22823	624655	36.80%	0.927%
159	10.395	10.366	10.420	VV	16348	493773	29.09%	0.733%
160	10.440	10.420	10.473	VV	17667	476876	28.10%	0.708%
161	10.495	10.473	10.523	VV	25497	553570	32.61%	0.821%
162	10.552	10.523	10.581	VV	62251	1169851	68.92%	1.736%
163	10.604	10.581	10.614	VV	24391	419889	24.74%	0.623%
164	10.630	10.614	10.655	VV	28810	558989	32.93%	0.829%
165	10.673	10.655	10.691	VV	30956	506019	29.81%	0.751%
166	10.700	10.691	10.724	VV	20338	349067	20.57%	0.518%
167	10.748	10.724	10.759	VV	22846	393843	23.20%	0.584%
168	10.767	10.759	10.786	VV	21517	318391	18.76%	0.472%
169	10.812	10.786	10.823	VV	23600	439462	25.89%	0.652%
170	10.833	10.823	10.864	VV	22462	510056	30.05%	0.757%
171	10.883	10.864	10.899	VV	22577	422153	24.87%	0.626%
172	10.918	10.899	10.939	VV	23151	493871	29.10%	0.733%
173	10.975	10.939	11.004	VV	91640	1697304	100.00%	2.518%
174	11.019	11.004	11.068	VV	20344	674751	39.75%	1.001%
175	11.114	11.068	11.130	VV	18090	601653	35.45%	0.893%
176	11.152	11.130	11.175	VV	28056	572035	33.70%	0.849%
177	11.181	11.175	11.205	VV	17511	280754	16.54%	0.417%
178	11.235	11.205	11.267	VV	19367	616608	36.33%	0.915%
179	11.297	11.267	11.320	VV	24448	589291	34.72%	0.874%
180	11.333	11.320	11.349	VV	15124	253022	14.91%	0.375%
181	11.376	11.349	11.395	VV	16754	422031	24.86%	0.626%
182	11.433	11.395	11.440	VV	16059	400074	23.57%	0.594%
183	11.461	11.440	11.485	VV	21166	482392	28.42%	0.716%
184	11.510	11.485	11.529	VV	19349	450934	26.57%	0.669%
185	11.546	11.529	11.574	VV	18901	470868	27.74%	0.699%
186	11.581	11.574	11.593	VV	16947	187733	11.06%	0.279%
187	11.603	11.593	11.613	VV	16681	200396	11.81%	0.297%
188	11.631	11.613	11.658	VV	19132	452983	26.69%	0.672%
189	11.697	11.658	11.728	VV	53010	1198211	70.59%	1.778%
190	11.751	11.728	11.774	VV	16456	407786	24.03%	0.605%
191	11.805	11.774	11.827	VV	19473	486862	28.68%	0.722%
192	11.846	11.827	11.858	VV	14599	257346	15.16%	0.382%
193	11.874	11.858	11.907	VV	15200	428888	25.27%	0.636%
194	11.909	11.907	11.930	VV	14527	191362	11.27%	0.284%

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195	11.955	11.930	11.970	VV	20811	397054	23.39%	0.589%
196	11.985	11.970	12.026	VV	23130	530685	31.27%	0.787%
197	12.051	12.026	12.063	VV	14018	276458	16.29%	0.410%
198	12.074	12.063	12.079	VV	13309	126132	7.43%	0.187%
199	12.104	12.079	12.121	VV	19882	409007	24.10%	0.607%
200	12.137	12.121	12.192	VV	17519	602693	35.51%	0.894%
201	12.209	12.192	12.227	VV	12597	256950	15.14%	0.381%
202	12.256	12.227	12.279	VV	23420	543155	32.00%	0.806%
203	12.292	12.279	12.329	VV	15090	386839	22.79%	0.574%
204	12.357	12.329	12.371	VV	13000	299051	17.62%	0.444%
205	12.392	12.371	12.440	VV	12958	486510	28.66%	0.722%
206	12.459	12.440	12.467	VV	11807	179310	10.56%	0.266%
207	12.488	12.467	12.502	VV	14119	266511	15.70%	0.395%
208	12.517	12.502	12.542	VV	17105	320384	18.88%	0.475%
209	12.547	12.542	12.552	VV	10386	62831	3.70%	0.093%
210	12.570	12.552	12.594	VV	11129	261930	15.43%	0.389%
211	12.602	12.594	12.617	VV	10405	139554	8.22%	0.207%
212	12.635	12.617	12.669	VV	10685	306687	18.07%	0.455%
213	12.675	12.669	12.682	VV	9915	76259	4.49%	0.113%
214	12.701	12.682	12.725	VV	11238	259057	15.26%	0.384%
215	12.746	12.725	12.813	VV	13679	549423	32.37%	0.815%
216	12.854	12.813	12.874	VV	17611	460237	27.12%	0.683%
217	12.890	12.874	12.905	VV	12157	206024	12.14%	0.306%
218	12.919	12.905	12.952	VV	12642	272951	16.08%	0.405%
219	12.969	12.952	12.987	VV	10966	196368	11.57%	0.291%
220	12.992	12.987	13.015	VV	8381	132088	7.78%	0.196%
221	13.029	13.015	13.044	VV	7705	127071	7.49%	0.189%
222	13.061	13.044	13.080	VV	7774	159851	9.42%	0.237%
223	13.097	13.080	13.121	VV	7929	169314	9.98%	0.251%
224	13.129	13.121	13.144	VV	6145	84978	5.01%	0.126%
225	13.164	13.144	13.175	VV	6535	115510	6.81%	0.171%
226	13.189	13.175	13.202	VV	6639	103004	6.07%	0.153%
227	13.214	13.202	13.246	VV	6526	161233	9.50%	0.239%
228	13.266	13.246	13.287	VV	8624	168027	9.90%	0.249%
229	13.304	13.287	13.322	VV	6899	130044	7.66%	0.193%
230	13.337	13.322	13.350	VV	6205	97250	5.73%	0.144%
231	13.365	13.350	13.385	VV	5857	118601	6.99%	0.176%
232	13.410	13.385	13.467	VV	9175	329311	19.40%	0.489%
233	13.472	13.467	13.512	VV	5387	123177	7.26%	0.183%
234	13.557	13.512	13.579	VV	6148	206720	12.18%	0.307%
235	13.600	13.579	13.650	VV	7003	209705	12.36%	0.311%
236	13.665	13.650	13.679	VV	4879	72911	4.30%	0.108%
237	13.696	13.679	13.720	VV	5126	103292	6.09%	0.153%
238	13.750	13.720	13.791	VV	7053	198190	11.68%	0.294%
239	13.805	13.791	13.834	VV	3916	94271	5.55%	0.140%
240	13.852	13.834	13.885	VV	4168	105959	6.24%	0.157%
241	13.902	13.885	13.915	VV	2948	48752	2.87%	0.072%
242	13.931	13.915	13.945	VV	2797	47394	2.79%	0.070%
243	13.968	13.945	13.990	VV	3696	84304	4.97%	0.125%
244	14.029	13.990	14.088	VV	3481	166826	9.83%	0.248%
245	14.091	14.088	14.099	VV	2064	12987	0.77%	0.019%
246	14.130	14.099	14.152	VV	3199	79245	4.67%	0.118%

					rteres			
247	14.171	14.152	14.228	VV	2480	89789	5.29%	0.133%
248	14.240	14.228	14.246	VV	1831	18621	1.10%	0.028%
249	14.250	14.246	14.288	VV	1830	38971	2.30%	0.058%
250	14.344	14.288	14.382	VV	2551	97838	5.76%	0.145%
251	14.416	14.382	14.434	VV	1664	43697	2.57%	0.065%
252	14.440	14.434	14.452	VV	1141	11997	0.71%	0.018%
253	14.474	14.452	14.540	VV	1839	70232	4.14%	0.104%
254	14.545	14.540	14.550	VV	1090	5833	0.34%	0.009%
255	14.569	14.550	14.600	VV	1256	32801	1.93%	0.049%
256	14.606	14.600	14.609	VV	773	3702	0.22%	0.005%
257	14.621	14.609	14.650	VV	1105	18858	1.11%	0.028%
258	14.680	14.650	14.707	VV	990	26466	1.56%	0.039%
259	14.712	14.707	14.724	VV	672	6240	0.37%	0.009%
260	14.766	14.724	14.780	VV	891	25990	1.53%	0.039%
261	14.799	14.780	14.821	VV	1525	28555	1.68%	0.042%
262	14.829	14.821	14.888	VV	1076	21293	1.25%	0.032%
263	14.894	14.888	14.907	VV	322	2848	0.17%	0.004%
264	14.928	14.907	14.939	VV	669	9654	0.57%	0.014%
265	14.949	14.939	14.984	VV	692	13475	0.79%	0.020%
266	15.009	14.984	15.041	VV	1327	20986	1.24%	0.031%
267	15.109	15.059	15.128	BV	206	2809	0.17%	0.004%
268	15.139	15.128	15.164	VV	463	5434	0.32%	0.008%
269	15.184	15.164	15.199	PV	524	6688	0.39%	0.010%
270	15.228	15.199	15.252	VV	504	12351	0.73%	0.018%
271	15.299	15.252	15.328	VV	491	17062	1.01%	0.025%
272	15.355	15.328	15.404	VV	850	18794	1.11%	0.028%
273	15.416	15.404	15.425	PV	155	1260	0.07%	0.002%
274	15.454	15.425	15.514	VV	610	15429	0.91%	0.023%
275	15.545	15.514	15.560	VV	289	5759	0.34%	0.009%
276	15.591	15.560	15.619	VV	613	13757	0.81%	0.020%
277	15.653	15.619	15.676	VV	521	12727	0.75%	0.019%
278	15.703	15.676	15.714	VV	263	4217	0.25%	0.006%
279	15.761	15.714	15.796	VV	869	28994	1.71%	0.043%
280	15.814	15.796	15.842	VV	821	13427	0.79%	0.020%
281	15.868	15.842	15.893	VV	363	7685	0.45%	0.011%
282	15.932	15.893	15.940	PV	296	5000	0.29%	0.007%
283	15.983	15.940	16.017	VV	523	17117	1.01%	0.025%
284	16.050	16.017	16.099	VV	869	23331	1.37%	0.035%
285	16.123	16.099	16.137	VV	299	5099	0.30%	0.008%
286	16.149	16.137	16.162	VV	270	2978	0.18%	0.004%
287	16.195	16.162	16.212	VV	370	6871	0.40%	0.010%
288	16.236	16.212	16.249	VV	533	9072	0.53%	0.013%
289	16.276	16.249	16.307	VV	674	14875	0.88%	0.022%
290	16.319	16.307	16.352	VV	165	2649	0.16%	0.004%
291	16.360	16.352	16.372	PV	147	1277	0.08%	0.002%
292	16.424	16.372	16.435	VV	649	14098	0.83%	0.021%
293	16.445	16.435	16.464	VV	630	8062	0.48%	0.012%
294	16.475	16.464	16.510	VV	377	7978	0.47%	0.012%
295	16.544	16.510	16.584	VV	789	24703	1.46%	0.037%
296	16.603	16.584	16.645	VV	698	14031	0.83%	0.021%
297	16.697	16.645	16.705	PV	544	11244	0.66%	0.017%
298	16.719	16.705	16.742	VV	649	10196	0.60%	0.015%
299	16.753	16.742	16.762	VV	142	1691	0.10%	0.003%

					rteres				
300	16.798	16.762	16.829	VV	729	12420	0.73%	0.018%	
301	16.838	16.829	16.854	VV	326	3430	0.20%	0.005%	
302	16.883	16.854	16.904	VV	453	9564	0.56%	0.014%	
303	16.940	16.904	16.967	VV	723	18885	1.11%	0.028%	
304	16.990	16.967	16.999	VV	530	7973	0.47%	0.012%	
305	17.018	16.999	17.034	VV	559	8815	0.52%	0.013%	
306	17.070	17.034	17.112	VV	612	15805	0.93%	0.023%	
307	17.182	17.112	17.200	PV	1270	25764	1.52%	0.038%	
308	17.209	17.200	17.263	VV	766	13060	0.77%	0.019%	
					Sum of corrected areas:		67402294		

FF102124.M Sat Oct 26 04:57:19 2024

Report of Analysis

Client:	ENTACT		Date Collected:	10/23/24	
Project:	North Point		Date Received:	10/23/24	
Client Sample ID:	EX-5-TPH-5		SDG No.:	P4518	
Lab Sample ID:	P4518-05		Matrix:	SOIL	
Analytical Method:	8015D DRO		% Solid:	73.9	Decanted:
Sample Wt/Vol:	30.05	Units: g	Final Vol:	1	mL
Soil Aliquot Vol:		uL	Test:	Diesel Range Organics	
Extraction Type:			Injection Volume :		
GPC Factor :		PH :			
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF014784.D	50	10/24/24 11:10	10/25/24 11:20	PB164381

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	941000		12500	113000	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	0.00	*	37 - 130	0%	SPK: 20

Comments:

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 P = Indicates >25% difference for detected concentrations between the two GC columns
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance 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
 S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
 () = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102524\
Data File : FF014784.D
Signal(s) : FID2B.ch
Acq On : 25 Oct 2024 11:20
Operator : YP\AJ
Sample : P4518-05 50X
Misc :
ALS Vial : 67 Sample Multiplier: 1

Integration File: Sample.e
Quant Time: Oct 26 04:03:22 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Quant Title :
QLast Update : Tue Oct 22 08:35:55 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
Target Compounds			

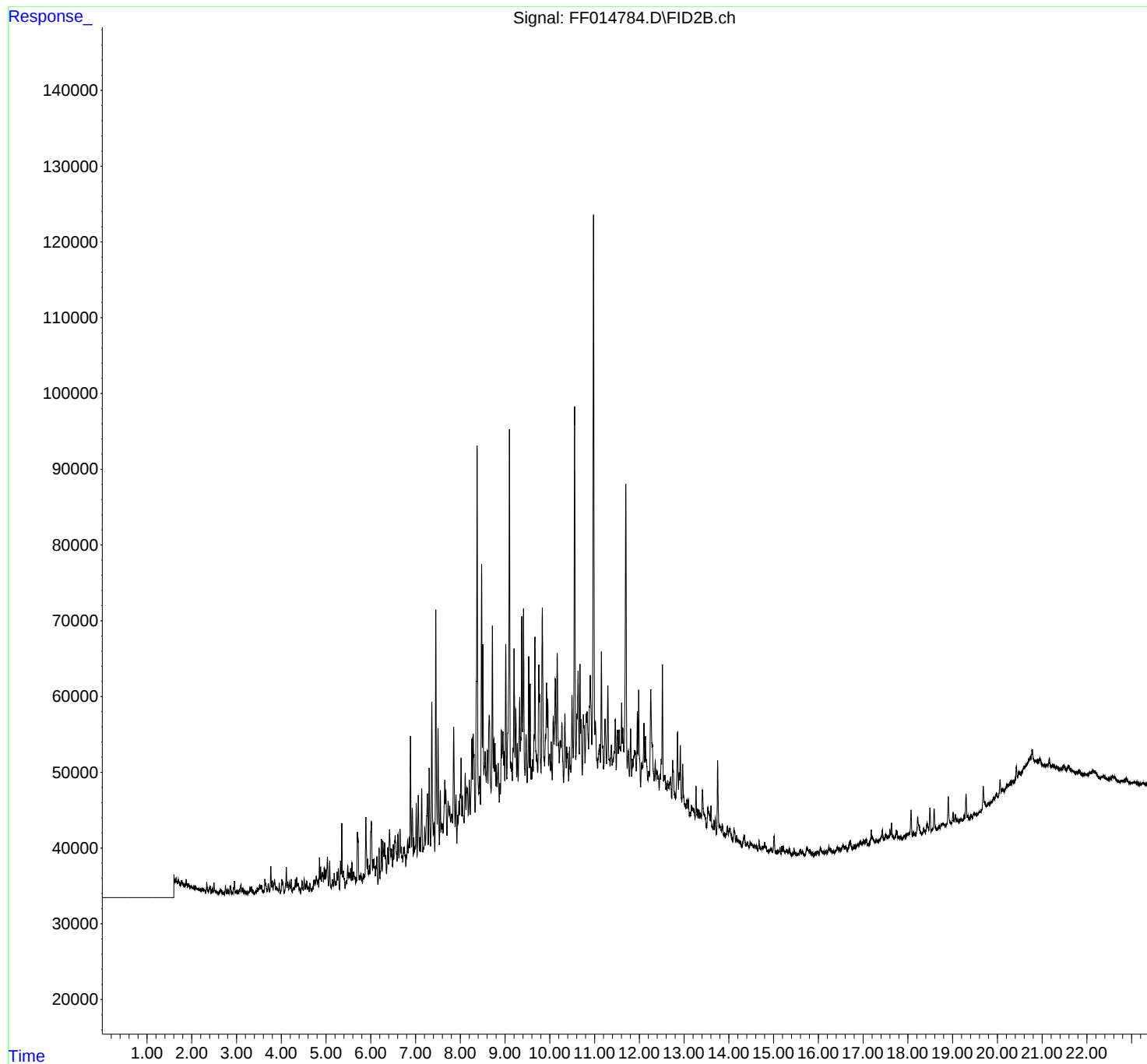
(f)=RT Delta > 1/2 Window

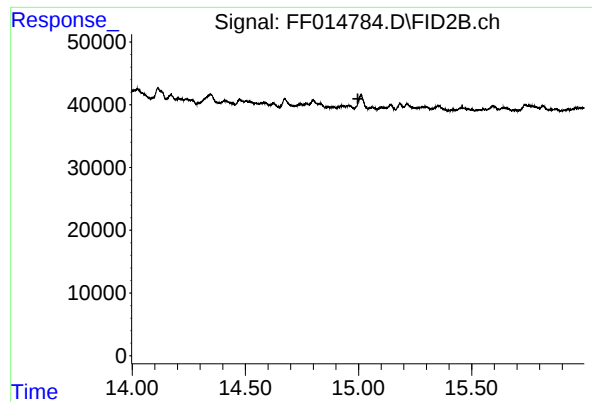
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102524\
Data File : FF014784.D
Signal(s) : FID2B.ch
Acq On : 25 Oct 2024 11:20
Operator : YP\AJ
Sample : P4518-05 50X
Misc :
ALS Vial : 67 Sample Multiplier: 1

Integration File: Sample.e
Quant Time: Oct 26 04:03:22 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Quant Title :
QLast Update : Tue Oct 22 08:35:55 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um





#9 TETRACOSANE-d50 (SURROGATE)

R.T.: 0.000 min
Exp R.T.: 14.997 min
Response: 0
Conc: N.D.

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102524\
Data File : FF014784.D
Signal(s) : FID2B.ch
Acq On : 25 Oct 2024 11:20
Sample : P4518-05 50X
Misc :
ALS Vial : 67 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Title :

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.466	4.422	4.493	BV	1416	22324	1.39%	0.036%
2	4.512	4.493	4.539	VV	1701	24917	1.56%	0.041%
3	4.570	4.539	4.594	VV	1322	25241	1.58%	0.041%
4	4.605	4.594	4.624	VV	566	6458	0.40%	0.011%
5	4.643	4.624	4.666	VV	1038	13339	0.83%	0.022%
6	4.676	4.666	4.685	VV	203	1540	0.10%	0.003%
7	4.724	4.685	4.735	PV	1483	18768	1.17%	0.031%
8	4.750	4.735	4.768	VV	1384	24317	1.52%	0.040%
9	4.784	4.768	4.809	VV	1925	34781	2.17%	0.057%
10	4.823	4.809	4.837	VV	1453	18535	1.16%	0.030%
11	4.854	4.837	4.868	VV	4371	46103	2.88%	0.075%
12	4.879	4.868	4.898	VV	3109	37891	2.36%	0.062%
13	4.914	4.898	4.926	VV	2424	32664	2.04%	0.053%
14	4.932	4.926	4.945	VV	2039	19546	1.22%	0.032%
15	4.958	4.945	4.973	VV	2996	35601	2.22%	0.058%
16	4.988	4.973	5.001	VV	2696	35593	2.22%	0.058%
17	5.032	5.001	5.061	VV	4413	85670	5.35%	0.140%
18	5.082	5.061	5.120	VV	3807	52154	3.25%	0.085%
19	5.148	5.120	5.165	VV	1357	21978	1.37%	0.036%
20	5.183	5.165	5.203	VV	2200	28443	1.78%	0.046%
21	5.216	5.203	5.227	VV	1008	11551	0.72%	0.019%
22	5.248	5.227	5.261	VV	2298	31546	1.97%	0.051%
23	5.276	5.261	5.301	VV	2717	34024	2.12%	0.055%
24	5.325	5.301	5.336	PV	3724	41188	2.57%	0.067%
25	5.353	5.336	5.372	VV	8715	97906	6.11%	0.160%
26	5.388	5.372	5.402	VV	2398	34000	2.12%	0.055%
27	5.407	5.402	5.427	VV	1370	11639	0.73%	0.019%
28	5.455	5.427	5.466	PV	1110	18023	1.12%	0.029%
29	5.486	5.466	5.499	VV	2994	39744	2.48%	0.065%
30	5.510	5.499	5.520	VV	2121	22155	1.38%	0.036%
31	5.527	5.520	5.535	VV	1611	13324	0.83%	0.022%
32	5.550	5.535	5.564	VV	2603	34910	2.18%	0.057%
33	5.581	5.564	5.598	VV	3303	42803	2.67%	0.070%
34	5.617	5.598	5.640	VV	2072	41391	2.58%	0.067%
35	5.647	5.640	5.661	VV	1395	13904	0.87%	0.023%
36	5.675	5.661	5.684	VV	1121	12445	0.78%	0.020%

					rteres			
37	5.702	5.684	5.712	VV	7274	82723	5.16%	0.135%
38	5.717	5.712	5.740	VV	6172	61687	3.85%	0.101%
39	5.753	5.740	5.765	VV	1372	18175	1.13%	0.030%
40	5.780	5.765	5.816	VV	1785	35659	2.23%	0.058%
41	5.834	5.816	5.846	VV	1694	21906	1.37%	0.036%
42	5.858	5.846	5.867	VV	1506	16394	1.02%	0.027%
43	5.891	5.867	5.918	VV	9103	148194	9.25%	0.242%
44	5.930	5.918	5.949	VV	3581	46117	2.88%	0.075%
45	5.969	5.949	5.980	VV	2586	38033	2.37%	0.062%
46	6.013	5.980	6.040	VV	8486	191207	11.93%	0.312%
47	6.051	6.040	6.060	VV	3450	33868	2.11%	0.055%
48	6.072	6.060	6.086	VV	3433	43254	2.70%	0.071%
49	6.091	6.086	6.105	VV	2431	21596	1.35%	0.035%
50	6.118	6.105	6.125	VV	2562	26341	1.64%	0.043%
51	6.136	6.125	6.160	VV	3687	41971	2.62%	0.068%
52	6.186	6.160	6.200	PBA	4157	42999	2.68%	0.070%
53	6.238	6.200	6.255	BV	4992	63351	3.95%	0.103%
54	6.272	6.255	6.296	VV	4766	77653	4.85%	0.127%
55	6.310	6.296	6.325	VV	4383	58098	3.63%	0.095%
56	6.332	6.325	6.354	VV	2799	29782	1.86%	0.049%
57	6.378	6.354	6.397	VV	3831	63701	3.98%	0.104%
58	6.419	6.397	6.450	VV	6175	128346	8.01%	0.209%
59	6.462	6.450	6.489	VV	3544	62179	3.88%	0.101%
60	6.503	6.489	6.515	VV	4206	46108	2.88%	0.075%
61	6.544	6.515	6.588	VV	5373	166506	10.39%	0.272%
62	6.607	6.588	6.630	VV	5475	91191	5.69%	0.149%
63	6.653	6.630	6.671	VV	6181	109787	6.85%	0.179%
64	6.680	6.671	6.695	VV	3797	44948	2.81%	0.073%
65	6.704	6.695	6.716	VV	2651	30671	1.91%	0.050%
66	6.731	6.716	6.741	VV	3700	45395	2.83%	0.074%
67	6.751	6.741	6.783	VV	3692	68404	4.27%	0.112%
68	6.821	6.783	6.836	VV	4599	94988	5.93%	0.155%
69	6.857	6.836	6.868	VV	4922	77722	4.85%	0.127%
70	6.886	6.868	6.910	VV	18372	241949	15.10%	0.395%
71	6.927	6.910	6.948	VV	8871	138079	8.62%	0.225%
72	6.960	6.948	6.973	VV	4959	57259	3.57%	0.093%
73	6.989	6.973	6.995	VV	3592	46668	2.91%	0.076%
74	7.015	6.995	7.035	VV	9426	134661	8.40%	0.220%
75	7.061	7.035	7.086	VV	10498	188744	11.78%	0.308%
76	7.097	7.086	7.110	VV	4897	58757	3.67%	0.096%
77	7.137	7.110	7.164	VV	11335	204301	12.75%	0.333%
78	7.204	7.164	7.222	VV	6171	148208	9.25%	0.242%
79	7.264	7.222	7.284	VV	10607	263598	16.45%	0.430%
80	7.305	7.284	7.336	VV	13986	240903	15.03%	0.393%
81	7.363	7.336	7.396	VV	22690	388421	24.24%	0.633%
82	7.411	7.396	7.429	VV	6672	105727	6.60%	0.172%
83	7.452	7.429	7.486	VV	34810	522948	32.64%	0.853%
84	7.502	7.486	7.533	VV	19163	299682	18.70%	0.489%
85	7.553	7.533	7.569	VV	10954	166000	10.36%	0.271%
86	7.581	7.569	7.591	VV	6390	78300	4.89%	0.128%
87	7.600	7.591	7.615	VV	6480	86803	5.42%	0.142%
88	7.653	7.615	7.667	VV	12299	276694	17.27%	0.451%
89	7.677	7.667	7.702	VV	10874	174449	10.89%	0.284%

					rteres			
90	7.729	7.702	7.755	VV	9432	252487	15.76%	0.412%
91	7.765	7.755	7.782	VV	8765	126219	7.88%	0.206%
92	7.801	7.782	7.810	VV	7702	123916	7.73%	0.202%
93	7.813	7.810	7.827	VV	7632	72462	4.52%	0.118%
94	7.853	7.827	7.883	VV	19223	392419	24.49%	0.640%
95	7.904	7.883	7.923	VV	10244	181862	11.35%	0.297%
96	7.943	7.923	7.955	VV	7491	121660	7.59%	0.198%
97	7.969	7.955	7.980	VV	9406	122993	7.68%	0.201%
98	7.993	7.980	8.000	VV	10262	112499	7.02%	0.183%
99	8.018	8.000	8.035	VV	15050	242589	15.14%	0.396%
100	8.047	8.035	8.084	VV	9992	238825	14.90%	0.389%
101	8.110	8.084	8.127	VV	13049	251543	15.70%	0.410%
102	8.145	8.127	8.153	VV	11110	158700	9.90%	0.259%
103	8.160	8.153	8.178	VV	11062	144198	9.00%	0.235%
104	8.203	8.178	8.223	VV	12048	251442	15.69%	0.410%
105	8.258	8.223	8.274	VV	17533	392851	24.52%	0.641%
106	8.289	8.274	8.301	VV	18159	249650	15.58%	0.407%
107	8.307	8.301	8.331	VV	15470	211782	13.22%	0.345%
108	8.376	8.331	8.413	VV	56060	1113260	69.48%	1.815%
109	8.432	8.413	8.451	VV	12495	253157	15.80%	0.413%
110	8.477	8.451	8.493	VV	40367	601967	37.57%	0.982%
111	8.505	8.493	8.529	VV	29891	436088	27.22%	0.711%
112	8.556	8.529	8.580	VV	15747	420397	26.24%	0.686%
113	8.603	8.580	8.618	VV	15845	318203	19.86%	0.519%
114	8.650	8.618	8.688	VV	20354	652416	40.72%	1.064%
115	8.718	8.688	8.737	VV	32292	566503	35.35%	0.924%
116	8.752	8.737	8.764	VV	17277	252560	15.76%	0.412%
117	8.776	8.764	8.793	VV	16697	243078	15.17%	0.396%
118	8.805	8.793	8.821	VV	13855	212138	13.24%	0.346%
119	8.847	8.821	8.872	VV	14094	362695	22.64%	0.591%
120	8.887	8.872	8.898	VV	11390	160440	10.01%	0.262%
121	8.917	8.898	8.930	VV	18378	289050	18.04%	0.471%
122	8.953	8.930	8.969	VV	18176	378676	23.63%	0.617%
123	8.980	8.969	8.994	VV	15564	210240	13.12%	0.343%
124	9.017	8.994	9.040	VV	29634	522463	32.61%	0.852%
125	9.099	9.040	9.121	VV	58043	1273580	79.48%	2.077%
126	9.128	9.121	9.139	VV	14165	145207	9.06%	0.237%
127	9.150	9.139	9.162	VV	13991	185066	11.55%	0.302%
128	9.179	9.162	9.183	VV	15985	181192	11.31%	0.295%
129	9.202	9.183	9.223	VV	29052	502269	31.35%	0.819%
130	9.240	9.223	9.260	VV	21071	389143	24.29%	0.635%
131	9.275	9.260	9.293	VV	16556	272169	16.99%	0.444%
132	9.327	9.293	9.342	VV	22555	509357	31.79%	0.831%
133	9.352	9.342	9.355	VV	17380	129429	8.08%	0.211%
134	9.374	9.355	9.393	VV	33279	554064	34.58%	0.903%
135	9.413	9.393	9.450	VV	34267	684925	42.75%	1.117%
136	9.471	9.450	9.495	VV	17638	393148	24.54%	0.641%
137	9.530	9.495	9.547	VV	27937	554553	34.61%	0.904%
138	9.561	9.547	9.578	VV	24275	332978	20.78%	0.543%
139	9.588	9.578	9.599	VV	13267	156627	9.77%	0.255%
140	9.615	9.599	9.630	VV	14238	251460	15.69%	0.410%
141	9.647	9.630	9.651	VV	17549	189224	11.81%	0.309%

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142	9.667	9.651	9.705	VV	30470	636218	39.71%	1.037%
143	9.712	9.705	9.728	VV	14811	196809	12.28%	0.321%
144	9.755	9.728	9.768	VV	26748	476924	29.76%	0.778%
145	9.774	9.768	9.803	VV	22828	371830	23.21%	0.606%
146	9.832	9.803	9.868	VV	34209	832653	51.96%	1.358%
147	9.871	9.868	9.885	VV	14535	140228	8.75%	0.229%
148	9.902	9.885	9.909	VV	17520	232220	14.49%	0.379%
149	9.926	9.909	9.944	VV	24299	436147	27.22%	0.711%
150	9.955	9.944	9.975	VV	22055	343674	21.45%	0.560%
151	9.996	9.975	10.016	VV	14929	342252	21.36%	0.558%
152	10.030	10.016	10.054	VV	16435	316712	19.77%	0.516%
153	10.076	10.054	10.096	VV	19843	418562	26.12%	0.683%
154	10.121	10.096	10.146	VV	24699	604746	37.74%	0.986%
155	10.165	10.146	10.212	VV	28034	774239	48.32%	1.262%
156	10.234	10.212	10.251	VV	16550	364193	22.73%	0.594%
157	10.271	10.251	10.308	VV	18925	516544	32.24%	0.842%
158	10.337	10.308	10.366	VV	20099	536264	33.47%	0.874%
159	10.378	10.366	10.383	VV	15408	140121	8.74%	0.228%
160	10.397	10.383	10.420	VV	14835	299420	18.69%	0.488%
161	10.440	10.420	10.475	VV	15631	444701	27.75%	0.725%
162	10.495	10.475	10.523	VV	22469	491368	30.67%	0.801%
163	10.553	10.523	10.581	VV	60504	1107758	69.13%	1.806%
164	10.605	10.581	10.612	VV	19928	318656	19.89%	0.520%
165	10.631	10.612	10.659	VV	25630	575068	35.89%	0.938%
166	10.674	10.659	10.691	VV	26504	407053	25.40%	0.664%
167	10.700	10.691	10.725	VV	19203	325790	20.33%	0.531%
168	10.749	10.725	10.762	VV	19853	367175	22.91%	0.599%
169	10.768	10.762	10.786	VV	18313	237750	14.84%	0.388%
170	10.813	10.786	10.822	VV	19871	370950	23.15%	0.605%
171	10.831	10.822	10.865	VV	20129	466901	29.14%	0.761%
172	10.902	10.865	10.938	VV	24940	879075	54.86%	1.433%
173	10.976	10.938	11.005	VV	85695	1602348	100.00%	2.613%
174	11.018	11.005	11.067	VV	18753	586826	36.62%	0.957%
175	11.115	11.067	11.130	VV	15761	547729	34.18%	0.893%
176	11.153	11.130	11.175	VV	27957	525699	32.81%	0.857%
177	11.182	11.175	11.204	VV	15534	255778	15.96%	0.417%
178	11.233	11.204	11.267	VV	19078	591539	36.92%	0.965%
179	11.297	11.267	11.350	VV	23448	796501	49.71%	1.299%
180	11.375	11.350	11.400	VV	15601	430597	26.87%	0.702%
181	11.413	11.400	11.420	VV	13693	154691	9.65%	0.252%
182	11.435	11.420	11.443	VV	14717	199072	12.42%	0.325%
183	11.462	11.443	11.485	VV	18874	407673	25.44%	0.665%
184	11.509	11.485	11.530	VV	17531	423499	26.43%	0.691%
185	11.548	11.530	11.572	VV	17534	397340	24.80%	0.648%
186	11.580	11.572	11.588	VV	15194	141460	8.83%	0.231%
187	11.605	11.588	11.619	VV	21027	339895	21.21%	0.554%
188	11.632	11.619	11.659	VV	17739	375798	23.45%	0.613%
189	11.698	11.659	11.730	VV	49649	1132915	70.70%	1.847%
190	11.752	11.730	11.780	VV	14689	401275	25.04%	0.654%
191	11.806	11.780	11.828	VV	17541	402520	25.12%	0.656%
192	11.846	11.828	11.860	VV	13466	246889	15.41%	0.403%
193	11.893	11.860	11.931	VV	14663	583889	36.44%	0.952%
194	11.956	11.931	11.970	VV	19823	361708	22.57%	0.590%

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195	11.986	11.970	12.028	VV	22551	534254	33.34%	0.871%
196	12.050	12.028	12.067	VV	12924	282026	17.60%	0.460%
197	12.104	12.067	12.122	VV	18188	475269	29.66%	0.775%
198	12.136	12.122	12.192	VV	16458	552951	34.51%	0.902%
199	12.210	12.192	12.229	VV	11834	251239	15.68%	0.410%
200	12.256	12.229	12.289	VV	22602	624333	38.96%	1.018%
201	12.293	12.289	12.330	VV	15323	310271	19.36%	0.506%
202	12.357	12.330	12.372	VV	13161	292329	18.24%	0.477%
203	12.389	12.372	12.420	VV	11874	328641	20.51%	0.536%
204	12.424	12.420	12.444	VV	10939	147522	9.21%	0.241%
205	12.460	12.444	12.470	VV	11166	158814	9.91%	0.259%
206	12.491	12.470	12.499	VV	13355	214870	13.41%	0.350%
207	12.517	12.499	12.547	VV	25816	471898	29.45%	0.769%
208	12.553	12.547	12.559	VV	11084	78306	4.89%	0.128%
209	12.573	12.559	12.593	VV	11080	212028	13.23%	0.346%
210	12.604	12.593	12.620	VV	10050	154722	9.66%	0.252%
211	12.636	12.620	12.666	VV	10286	271908	16.97%	0.443%
212	12.700	12.666	12.726	VV	10862	349843	21.83%	0.570%
213	12.745	12.726	12.788	VV	13088	390281	24.36%	0.636%
214	12.791	12.788	12.811	VV	8655	115878	7.23%	0.189%
215	12.854	12.811	12.876	VV	16732	449013	28.02%	0.732%
216	12.890	12.876	12.900	VV	11349	152262	9.50%	0.248%
217	12.916	12.900	12.949	VV	14964	318137	19.85%	0.519%
218	12.970	12.949	13.015	VV	12460	357033	22.28%	0.582%
219	13.027	13.015	13.045	VV	7192	125532	7.83%	0.205%
220	13.063	13.045	13.084	VV	7800	165331	10.32%	0.270%
221	13.097	13.084	13.120	VV	7698	147029	9.18%	0.240%
222	13.132	13.120	13.147	VV	6083	95462	5.96%	0.156%
223	13.166	13.147	13.182	VV	6929	136617	8.53%	0.223%
224	13.189	13.182	13.206	VV	6569	92023	5.74%	0.150%
225	13.215	13.206	13.246	VV	6421	143615	8.96%	0.234%
226	13.267	13.246	13.295	VV	9476	202613	12.64%	0.330%
227	13.305	13.295	13.320	VV	6438	88771	5.54%	0.145%
228	13.336	13.320	13.352	VV	6313	111108	6.93%	0.181%
229	13.364	13.352	13.386	VV	5932	113437	7.08%	0.185%
230	13.410	13.386	13.445	VV	8857	245957	15.35%	0.401%
231	13.450	13.445	13.505	VV	5692	175255	10.94%	0.286%
232	13.529	13.505	13.582	VV	6639	256582	16.01%	0.418%
233	13.600	13.582	13.650	VV	6744	197196	12.31%	0.322%
234	13.665	13.650	13.678	VV	4738	70158	4.38%	0.114%
235	13.697	13.678	13.720	VV	5116	102441	6.39%	0.167%
236	13.750	13.720	13.784	VV	12653	247723	15.46%	0.404%
237	13.797	13.784	13.835	VV	4086	117817	7.35%	0.192%
238	13.852	13.835	13.888	VV	4233	111209	6.94%	0.181%
239	13.904	13.888	13.925	VV	3093	62401	3.89%	0.102%
240	13.967	13.925	13.989	VV	3842	120257	7.51%	0.196%
241	14.003	13.989	14.007	VV	3318	34475	2.15%	0.056%
242	14.022	14.007	14.080	VV	3582	125215	7.81%	0.204%
243	14.114	14.080	14.149	VV	3685	111109	6.93%	0.181%
244	14.172	14.149	14.190	VV	2672	54874	3.42%	0.089%
245	14.203	14.190	14.228	VV	2006	41824	2.61%	0.068%
246	14.238	14.228	14.257	VV	1885	31023	1.94%	0.051%

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247	14.264	14.257	14.288	VV	1744	26257	1.64%	0.043%
248	14.344	14.288	14.382	VV	2614	99715	6.22%	0.163%
249	14.412	14.382	14.455	VV	1622	55100	3.44%	0.090%
250	14.475	14.455	14.496	VV	1769	34768	2.17%	0.057%
251	14.505	14.496	14.516	VV	1521	16541	1.03%	0.027%
252	14.520	14.516	14.541	VV	1360	18124	1.13%	0.030%
253	14.546	14.541	14.565	VV	1112	14344	0.90%	0.023%
254	14.581	14.565	14.606	VV	1181	25887	1.62%	0.042%
255	14.622	14.606	14.650	VV	1165	20130	1.26%	0.033%
256	14.673	14.650	14.721	VV	1750	40325	2.52%	0.066%
257	14.742	14.721	14.755	VV	935	15913	0.99%	0.026%
258	14.770	14.755	14.785	VV	986	15138	0.94%	0.025%
259	14.800	14.785	14.825	VV	1531	26564	1.66%	0.043%
260	14.830	14.825	14.859	VV	941	12596	0.79%	0.021%
261	14.869	14.859	14.879	VV	404	3969	0.25%	0.006%
262	14.883	14.879	14.905	VV	379	4622	0.29%	0.008%
263	14.927	14.905	14.942	VV	560	9441	0.59%	0.015%
264	14.958	14.942	14.982	VV	570	9102	0.57%	0.015%
265	15.011	14.982	15.042	VV	2203	34438	2.15%	0.056%
266	15.060	15.050	15.082	BV	224	2725	0.17%	0.004%
267	15.107	15.082	15.114	PV	405	5643	0.35%	0.009%
268	15.117	15.114	15.121	VV	432	1599	0.10%	0.003%
269	15.144	15.121	15.166	VV	954	12502	0.78%	0.020%
270	15.182	15.166	15.200	VV	1111	13097	0.82%	0.021%
271	15.215	15.200	15.260	VV	1034	21814	1.36%	0.036%
272	15.281	15.260	15.291	VV	559	8882	0.55%	0.014%
273	15.296	15.291	15.318	VV	631	7411	0.46%	0.012%
274	15.323	15.318	15.330	VV	417	2391	0.15%	0.004%
275	15.353	15.330	15.391	VV	851	16434	1.03%	0.027%
276	15.398	15.391	15.405	VV	118	566	0.04%	0.001%
277	15.415	15.405	15.435	PV	266	2682	0.17%	0.004%
278	15.458	15.435	15.480	VV	950	10427	0.65%	0.017%
279	15.484	15.480	15.493	VV	382	2171	0.14%	0.004%
280	15.500	15.493	15.520	VV	226	2469	0.15%	0.004%
281	15.537	15.520	15.544	VV	238	2227	0.14%	0.004%
282	15.551	15.544	15.568	VV	357	3661	0.23%	0.006%
283	15.598	15.568	15.622	VV	824	16326	1.02%	0.027%
284	15.639	15.622	15.675	VV	578	12094	0.75%	0.020%
285	15.695	15.675	15.710	VV	224	2744	0.17%	0.004%
286	15.738	15.710	15.749	VV	936	14397	0.90%	0.023%
287	15.753	15.749	15.802	VV	926	21801	1.36%	0.036%
288	15.812	15.802	15.842	VV	838	12407	0.77%	0.020%
289	15.850	15.842	15.854	VV	272	1820	0.11%	0.003%
290	15.858	15.854	15.863	VV	299	1255	0.08%	0.002%
291	15.868	15.863	15.888	VV	357	3525	0.22%	0.006%
292	15.907	15.888	15.913	PV	159	1390	0.09%	0.002%
293	15.958	15.913	15.971	VV	479	9933	0.62%	0.016%
294	15.985	15.971	16.020	VV	481	10425	0.65%	0.017%
295	16.048	16.020	16.092	VV	806	21406	1.34%	0.035%
296	16.098	16.092	16.105	VV	304	1874	0.12%	0.003%
297	16.120	16.105	16.145	VV	412	6116	0.38%	0.010%
298	16.150	16.145	16.160	VV	314	1982	0.12%	0.003%
299	16.172	16.160	16.179	VV	326	1965	0.12%	0.003%

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300	16.200	16.179	16.215	VV	344	5224	0.33%	0.009%
301	16.233	16.215	16.256	VV	1017	15025	0.94%	0.025%
302	16.269	16.256	16.306	VV	635	13226	0.83%	0.022%
303	16.326	16.306	16.331	VV	191	1832	0.11%	0.003%
304	16.335	16.331	16.359	VV	225	1597	0.10%	0.003%
305	16.425	16.359	16.438	PV	756	16523	1.03%	0.027%
306	16.447	16.438	16.468	VV	646	8590	0.54%	0.014%
307	16.479	16.468	16.495	VV	438	5198	0.32%	0.008%
308	16.555	16.495	16.584	VV	836	28695	1.79%	0.047%
309	16.611	16.584	16.649	VV	642	15429	0.96%	0.025%
310	16.698	16.649	16.707	PV	1051	18946	1.18%	0.031%
311	16.717	16.707	16.749	VV	1237	18025	1.12%	0.029%
312	16.765	16.749	16.772	VV	277	2962	0.18%	0.005%
313	16.774	16.772	16.779	VV	216	621	0.04%	0.001%
314	16.795	16.779	16.816	VV	632	8873	0.55%	0.014%
315	16.835	16.816	16.846	VV	447	6009	0.38%	0.010%
316	16.849	16.846	16.853	VV	290	1066	0.07%	0.002%
317	16.863	16.853	16.867	VV	441	2892	0.18%	0.005%
318	16.884	16.867	16.896	VV	550	7840	0.49%	0.013%
319	16.935	16.896	16.966	VV	808	24696	1.54%	0.040%
320	17.017	16.966	17.039	VV	884	27617	1.72%	0.045%
321	17.072	17.039	17.109	VV	865	21776	1.36%	0.036%
322	17.131	17.109	17.135	PV	274	2729	0.17%	0.004%
323	17.182	17.135	17.201	VV	1860	32289	2.02%	0.053%
324	17.209	17.201	17.261	VV	847	15490	0.97%	0.025%
325	17.268	17.261	17.272	PV	109	482	0.03%	0.001%

Sum of corrected areas: 61326649

FF102124.M Sat Oct 26 04:56:46 2024



CALIBRATION SUMMARY

DIESEL RANGE ORGANICS INITIAL CALIBRATION SUMMARY

Lab Name: Chemtech Contract: ENTA05
 ProjectID: North Point
 Lab Code: CHEM Case No.: P4518 SAS No.: P4518 SDG No.: P4518

Calibration Sequence : FF102124		Test : Diesel Range Organics	
Concentration (PPM)	Area Count	Reference Factor	File ID
1000	140350994	140351	FF014706.D
500	71252825	142506	FF014707.D
200	29731497	148657	FF014708.D
100	14736133	147361	FF014709.D
50	7756416	155128	FF014710.D
AVG RF : 146801		% RSD : 3.93	AVG RT : 14.9988

DIESEL RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Chemtech Contract: ENTA05
ProjectID: North Point
Lab Code: CHEM Case No.: P4518 SAS No.: P4518 SDG No.: P4518
DataFile: FF014757.D Analyst Name: YP\AJ Analyst Date: 10-24-2024

Conc. (PPM)	Area Count	RF	Average RF	%D
500	74772222	149544	146801	1.869

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102424\
 Data File : FF014757.D
 Signal(s) : FID2B.ch
 Acq On : 24 Oct 2024 12:59
 Operator : YP\AJ
 Sample : 50 PPM TRPH STD
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: Sample.e
 Quant Time: Oct 25 04:36:06 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
 Quant Title :
 QLast Update : Tue Oct 22 08:35:55 2024
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : Rxi-1ms
 Signal Info : 20mx0.18mmx0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S TETRACOSANE-d50 (SURR...	15.014	6697885	50.895 ug/ml
Target Compounds			
2) N-DECANE	4.571	7407274	51.852 ug/ml
3) N-DODECANE	6.735	7497124	51.663 ug/ml
4) N-TETRADECANE	8.560	7529901	51.369 ug/ml
5) N-HEXADECANE	10.166	7544750	51.342 ug/ml
6) N-OCTADECANE	11.608	7654653	50.987 ug/ml
7) N-EICOSANE	12.917	7704655	50.788 ug/ml
8) N-DOCOSANE	14.114	7443920	50.587 ug/ml
10) N-TETRACOSANE	15.218	7409114	50.413 ug/ml
11) N-HEXACOSANE	16.238	7318384	50.105 ug/ml
12) N-OCTACOSANE	17.187	7262447	50.262 ug/ml

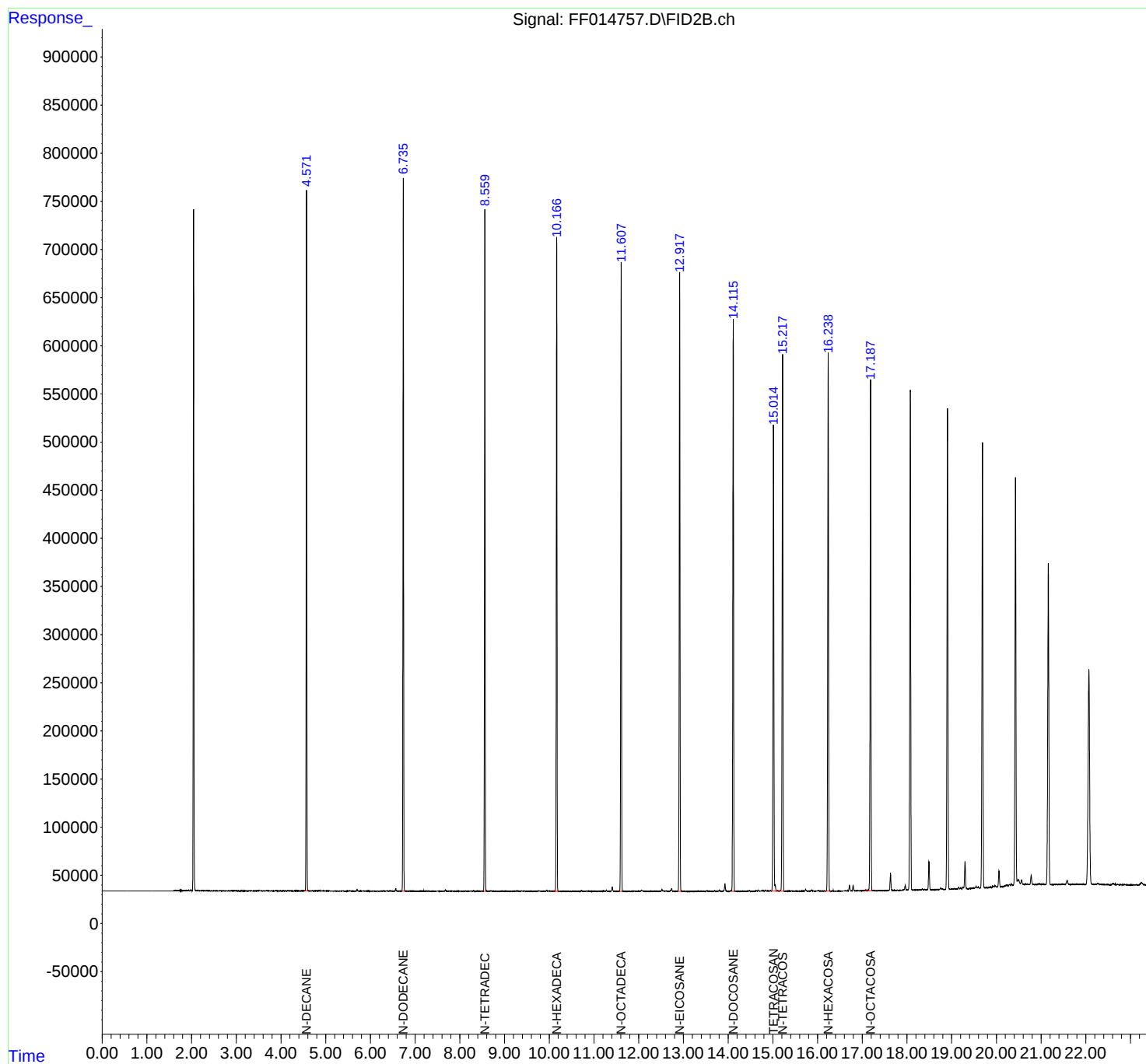
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102424\
Data File : FF014757.D
Signal(s) : FID2B.ch
Acq On : 24 Oct 2024 12:59
Operator : YP\AJ
Sample : 50 PPM TRPH STD
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: Sample.e
Quant Time: Oct 25 04:36:06 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Quant Title :
QLast Update : Tue Oct 22 08:35:55 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102424\
Data File : FF014757.D
Signal(s) : FID2B.ch
Acq On : 24 Oct 2024 12:59
Sample : 50 PPM TRPH STD
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Title :

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.571	4.532	4.622	BB	725833	7407274	96.14%	9.092%
2	6.735	6.690	6.784	BB	742245	7497124	97.31%	9.202%
3	8.560	8.520	8.599	BB	707745	7529901	97.73%	9.243%
4	10.166	10.070	10.217	BB	679505	7544750	97.92%	9.261%
5	11.608	11.547	11.640	BB	654061	7654653	99.35%	9.396%
6	12.917	12.874	12.975	BB	643973	7704655	100.00%	9.457%
7	14.114	14.075	14.154	VB	595547	7443920	96.62%	9.137%
8	15.014	14.967	15.080	BV	483446	6697885	86.93%	8.221%
9	15.218	15.080	15.265	VB	557738	7409114	96.16%	9.094%
10	16.238	16.159	16.282	BB	559196	7318384	94.99%	8.983%
11	17.187	17.035	17.242	BB	530867	7262447	94.26%	8.914%
Sum of corrected areas:						81470106		

FF102124.M Fri Oct 25 04:59:43 2024

DIESEL RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Chemtech Contract: ENTA05
ProjectID: North Point
Lab Code: CHEM Case No.: P4518 SAS No.: P4518 SDG No.: P4518
DataFile: FF014764.D Analyst Name: YP\AJ Analyst Date: 10-24-2024

Conc. (PPM)	Area Count	RF	Average RF	%D
500	74647355	149295	146801	1.699

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102424\
 Data File : FF014764.D
 Signal(s) : FID2B.ch
 Acq On : 24 Oct 2024 17:33
 Operator : YP\AJ
 Sample : 50 PPM TRPH STD
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: Sample.e
 Quant Time: Oct 25 04:37:08 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
 Quant Title :
 QLast Update : Tue Oct 22 08:35:55 2024
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : Rxi-1ms
 Signal Info : 20mx0.18mmx0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S TETRACOSANE-d50 (SURR...	15.014	6693020	50.858 ug/ml
Target Compounds			
2) N-DECANE	4.572	7376938	51.640 ug/ml
3) N-DODECANE	6.735	7482904	51.565 ug/ml
4) N-TETRADECANE	8.560	7529297	51.365 ug/ml
5) N-HEXADECANE	10.166	7532283	51.257 ug/mlm
6) N-OCTADECANE	11.608	7648406	50.946 ug/ml
7) N-EICOSANE	12.917	7696007	50.731 ug/ml
8) N-DOCOSANE	14.115	7426793	50.471 ug/ml
10) N-TETRACOSANE	15.218	7376568	50.191 ug/mlm
11) N-HEXACOSANE	16.238	7314793	50.080 ug/ml
12) N-OCTACOSANE	17.187	7263366	50.269 ug/ml

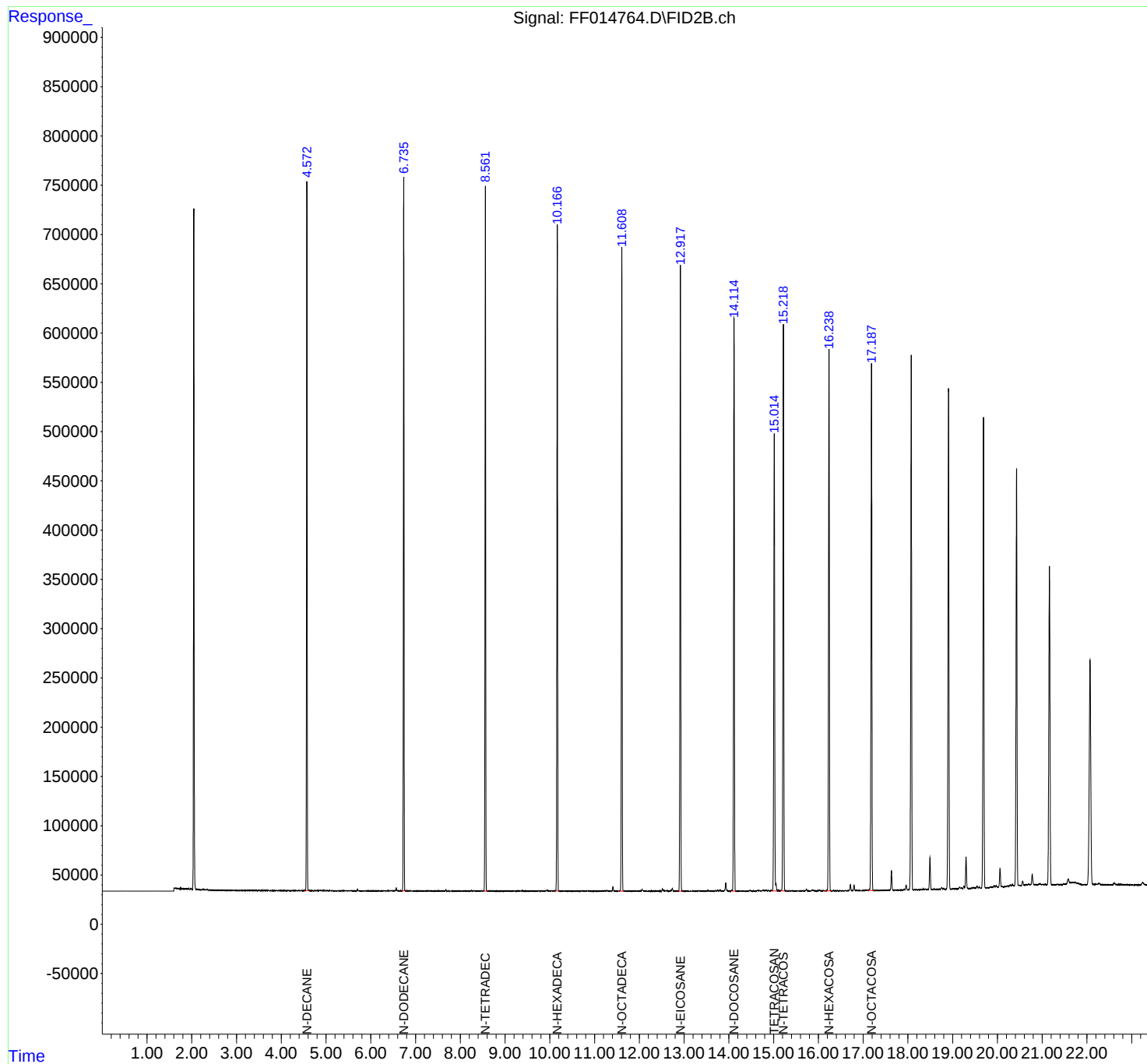
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102424\
Data File : FF014764.D
Signal(s) : FID2B.ch
Acq On : 24 Oct 2024 17:33
Operator : YP\AJ
Sample : 50 PPM TRPH STD
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: Sample.e
Quant Time: Oct 25 04:37:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Quant Title :
QLast Update : Tue Oct 22 08:35:55 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102424\
Data File : FF014764.D
Signal(s) : FID2B.ch
Acq On : 24 Oct 2024 17:33
Sample : 50 PPM TRPH STD
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Title :

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.572	4.532	4.626	BB	719822	7376938	95.85%	9.064%
2	6.735	6.699	6.782	BB	726436	7482904	97.23%	9.194%
3	8.560	8.522	8.611	BB	717972	7529297	97.83%	9.251%
4	10.166	10.011	10.214	BB	673985	7558410	98.21%	9.287%
5	11.608	11.551	11.651	BB	653619	7648406	99.38%	9.397%
6	12.917	12.876	12.972	BB	635284	7696007	100.00%	9.456%
7	14.115	14.077	14.156	VB	583244	7426793	96.50%	9.125%
8	15.014	14.967	15.082	BV	464423	6693020	86.97%	8.223%
9	15.218	15.082	15.274	VB	570962	7400034	96.15%	9.092%
10	16.238	16.154	16.287	BB	550286	7314793	95.05%	8.987%
11	17.187	17.101	17.247	BB	536198	7263366	94.38%	8.924%
Sum of corrected areas:						81389969		

FF102124.M Fri Oct 25 05:01:02 2024

DIESEL RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Chemtech Contract: ENTA05
ProjectID: North Point
Lab Code: CHEM Case No.: P4518 SAS No.: P4518 SDG No.: P4518
DataFile: FF014773.D Analyst Name: YP\AJ Analyst Date: 10-24-2024

Conc. (PPM)	Area Count	RF	Average RF	%D
500	73338469	146677	146801	0.084

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102424\
 Data File : FF014773.D
 Signal(s) : FID2B.ch
 Acq On : 24 Oct 2024 23:50
 Operator : YP\AJ
 Sample : 50 PPM TRPH STD
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: Sample.e
 Quant Time: Oct 25 04:38:32 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
 Quant Title :
 QLast Update : Tue Oct 22 08:35:55 2024
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : Rxi-1ms
 Signal Info : 20mx0.18mmx0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S TETRACOSANE-d50 (SURR...	15.018	6505657	49.434 ug/ml
Target Compounds			
2) N-DECANE	4.574	7407028	51.850 ug/ml
3) N-DODECANE	6.738	7469347	51.472 ug/ml
4) N-TETRADECANE	8.563	7451160	50.832 ug/ml
5) N-HEXADECANE	10.169	7425412	50.530 ug/ml
6) N-OCTADECANE	11.612	7501377	49.966 ug/ml
7) N-EICOSANE	12.921	7525160	49.605 ug/ml
8) N-DOCOSANE	14.119	7252608	49.287 ug/ml
10) N-TETRACOSANE	15.221	7193740	48.947 ug/mlm
11) N-HEXACOSANE	16.242	7091680	48.553 ug/ml
12) N-OCTACOSANE	17.191	7020957	48.591 ug/ml

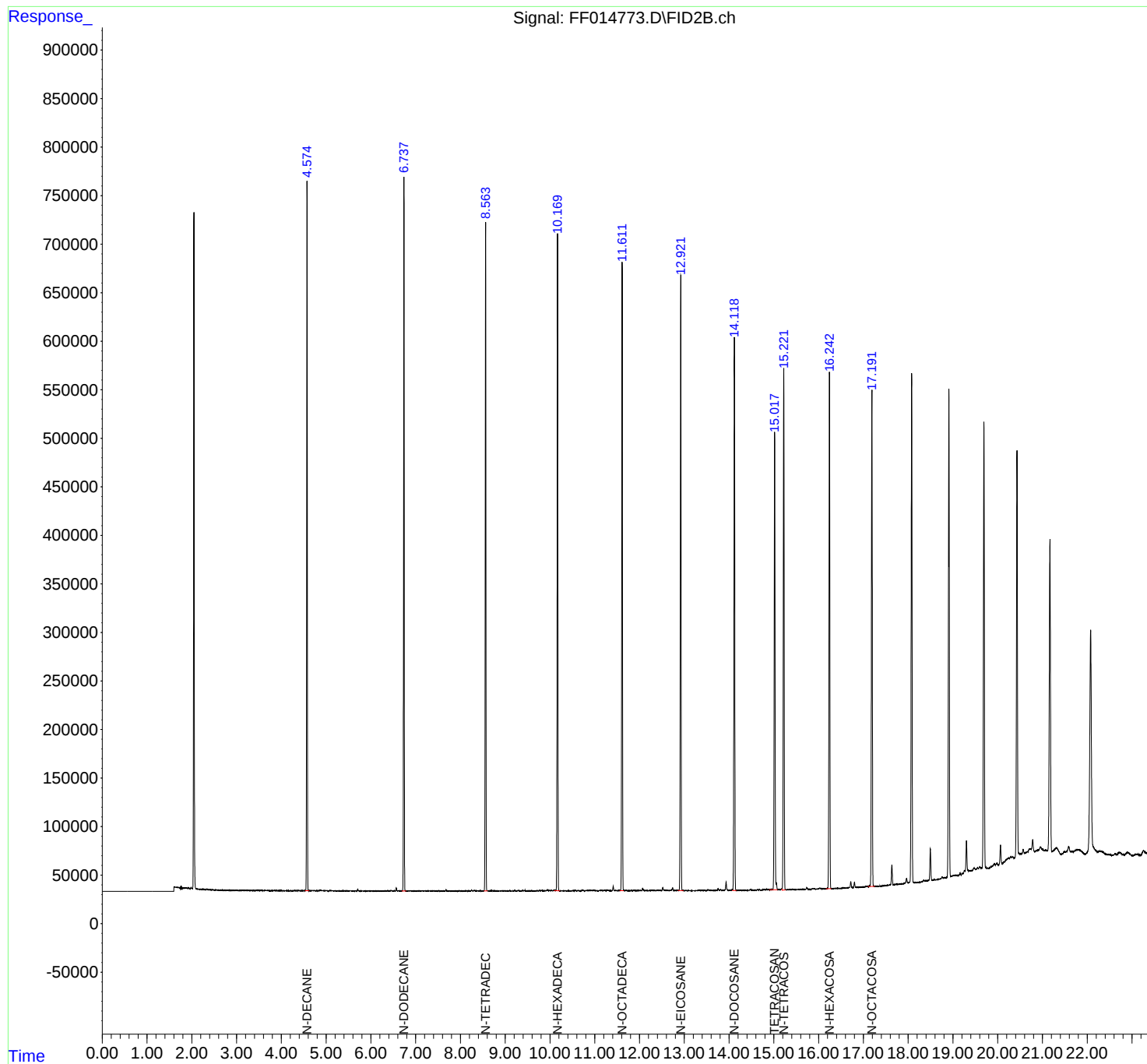
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102424\
Data File : FF014773.D
Signal(s) : FID2B.ch
Acq On : 24 Oct 2024 23:50
Operator : YP\AJ
Sample : 50 PPM TRPH STD
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: Sample.e
Quant Time: Oct 25 04:38:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Quant Title :
QLast Update : Tue Oct 22 08:35:55 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102424\
Data File : FF014773.D
Signal(s) : FID2B.ch
Acq On : 24 Oct 2024 23:50
Sample : 50 PPM TRPH STD
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Title :

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.574	4.529	4.624	BB	730845	7407028	98.43%	9.276%
2	6.738	6.690	6.787	BB	735072	7469347	99.26%	9.354%
3	8.563	8.525	8.605	BB	688305	7451160	99.02%	9.331%
4	10.169	10.087	10.224	BB	677493	7425412	98.67%	9.299%
5	11.612	11.555	11.649	BB	648787	7501377	99.68%	9.394%
6	12.921	12.855	12.984	BB	635325	7525160	100.00%	9.424%
7	14.119	14.080	14.165	VB	570151	7252608	96.38%	9.082%
8	15.018	14.899	15.084	BV	471124	6505657	86.45%	8.147%
9	15.221	15.084	15.277	VB	538226	7202623	95.71%	9.020%
10	16.242	16.164	16.285	BB	532955	7091680	94.24%	8.881%
11	17.191	17.102	17.259	BB	510094	7020957	93.30%	8.792%
Sum of corrected areas:						79853008		

FF102124.M Fri Oct 25 05:01:42 2024

DIESEL RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Chemtech Contract: ENTA05
ProjectID: North Point
Lab Code: CHEM Case No.: P4518 SAS No.: P4518 SDG No.: P4518
DataFile: FF014776.D Analyst Name: YP\AJ Analyst Date: 10-25-2024

Conc. (PPM)	Area Count	RF	Average RF	%D
500	73865716	147731	146801	0.634

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102524\
 Data File : FF014776.D
 Signal(s) : FID2B.ch
 Acq On : 25 Oct 2024 06:40
 Operator : YP\AJ
 Sample : 50 PPM TRPH STD
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: Sample.e
 Quant Time: Oct 26 04:02:14 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
 Quant Title :
 QLast Update : Tue Oct 22 08:35:55 2024
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : Rxi-1ms
 Signal Info : 20mx0.18mmx0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S TETRACOSANE-d50 (SURR...	15.015	6575242	49.963 ug/ml
Target Compounds			
2) N-DECANE	4.573	7463422	52.245 ug/ml
3) N-DODECANE	6.736	7520343	51.823 ug/ml
4) N-TETRADECANE	8.561	7499682	51.163 ug/ml
5) N-HEXADECANE	10.168	7474151	50.861 ug/ml
6) N-OCTADECANE	11.609	7551356	50.299 ug/ml
7) N-EICOSANE	12.918	7587094	50.013 ug/ml
8) N-DOCOSANE	14.116	7307940	49.663 ug/ml
10) N-TETRACOSANE	15.220	7239868	49.261 ug/ml
11) N-HEXACOSANE	16.240	7145621	48.922 ug/ml
12) N-OCTACOSANE	17.190	7076239	48.974 ug/ml

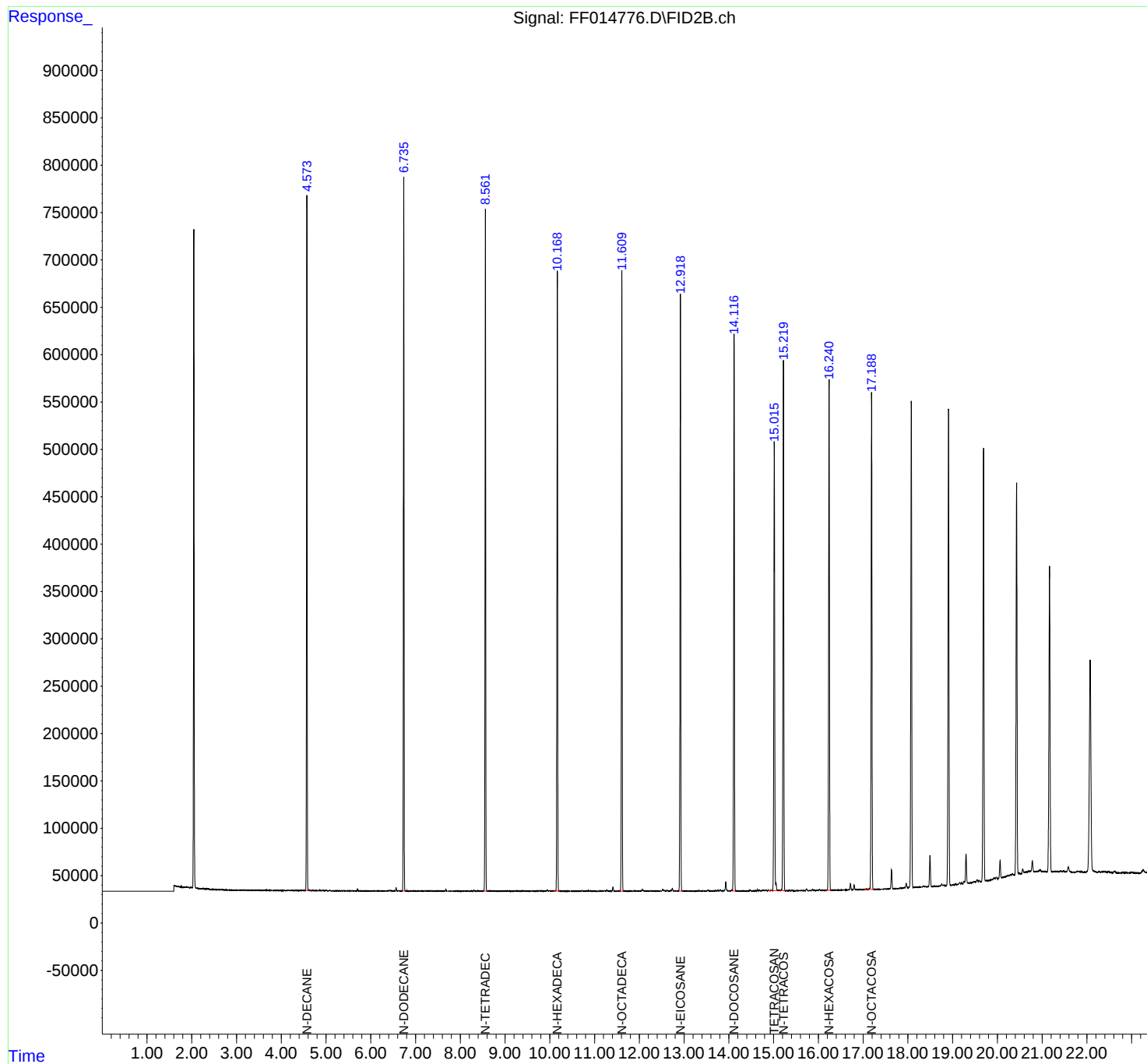
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102524\
Data File : FF014776.D
Signal(s) : FID2B.ch
Acq On : 25 Oct 2024 06:40
Operator : YP\AJ
Sample : 50 PPM TRPH STD
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: Sample.e
Quant Time: Oct 26 04:02:14 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Quant Title :
QLast Update : Tue Oct 22 08:35:55 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102524\
Data File : FF014776.D
Signal(s) : FID2B.ch
Acq On : 25 Oct 2024 06:40
Sample : 50 PPM TRPH STD
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Title :

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.573	4.536	4.627	BB	732891	7463422	98.37%	9.278%
2	6.736	6.697	6.784	BB	754691	7520343	99.12%	9.349%
3	8.561	8.522	8.602	BB	716519	7499682	98.85%	9.323%
4	10.168	10.074	10.222	BB	655585	7474151	98.51%	9.291%
5	11.609	11.554	11.649	BB	655148	7551356	99.53%	9.387%
6	12.918	12.877	12.976	BB	632381	7587094	100.00%	9.432%
7	14.116	14.079	14.171	VB	587897	7307940	96.32%	9.085%
8	15.015	14.861	15.082	BB	472479	6575242	86.66%	8.174%
9	15.220	15.129	15.279	BB	560481	7239868	95.42%	9.000%
10	16.240	16.161	16.286	BB	538974	7145621	94.18%	8.883%
11	17.190	17.027	17.251	BB	525092	7076239	93.27%	8.797%
Sum of corrected areas:						80440958		

FF102124.M Sat Oct 26 04:41:11 2024

DIESEL RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Chemtech Contract: ENTA05
ProjectID: North Point
Lab Code: CHEM Case No.: P4518 SAS No.: P4518 SDG No.: P4518
DataFile: FF014787.D Analyst Name: YP\AJ Analyst Date: 10-25-2024

Conc. (PPM)	Area Count	RF	Average RF	%D
500	76936905	153874	146801	4.818

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102524\
 Data File : FF014787.D
 Signal(s) : FID2B.ch
 Acq On : 25 Oct 2024 12:46
 Operator : YP\AJ
 Sample : 50 PPM TRPH STD
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: Sample.e
 Quant Time: Oct 26 04:03:47 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
 Quant Title :
 QLast Update : Tue Oct 22 08:35:55 2024
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : Rxi-1ms
 Signal Info : 20mx0.18mmx0.18um

Compound		R.T.	Response	Conc Units

System Monitoring Compounds				
9) S	TETRACOSANE-d50 (SURR...	15.014	6717486	51.044 ug/mlm
Target Compounds				
2)	N-DECANE	4.573	7777941	54.447 ug/ml
3)	N-DODECANE	6.736	7851108	54.103 ug/ml
4)	N-TETRADECANE	8.561	7834568	53.447 ug/ml
5)	N-HEXADECANE	10.167	7804928	53.112 ug/ml
6)	N-OCTADECANE	11.609	7881602	52.499 ug/ml
7)	N-EICOSANE	12.918	7899420	52.072 ug/ml
8)	N-DOCOSANE	14.116	7599506	51.645 ug/ml
10)	N-TETRACOSANE	15.219	7541643	51.315 ug/ml
11)	N-HEXACOSANE	16.239	7408570	50.722 ug/ml
12)	N-OCTACOSANE	17.189	7337619	50.783 ug/ml

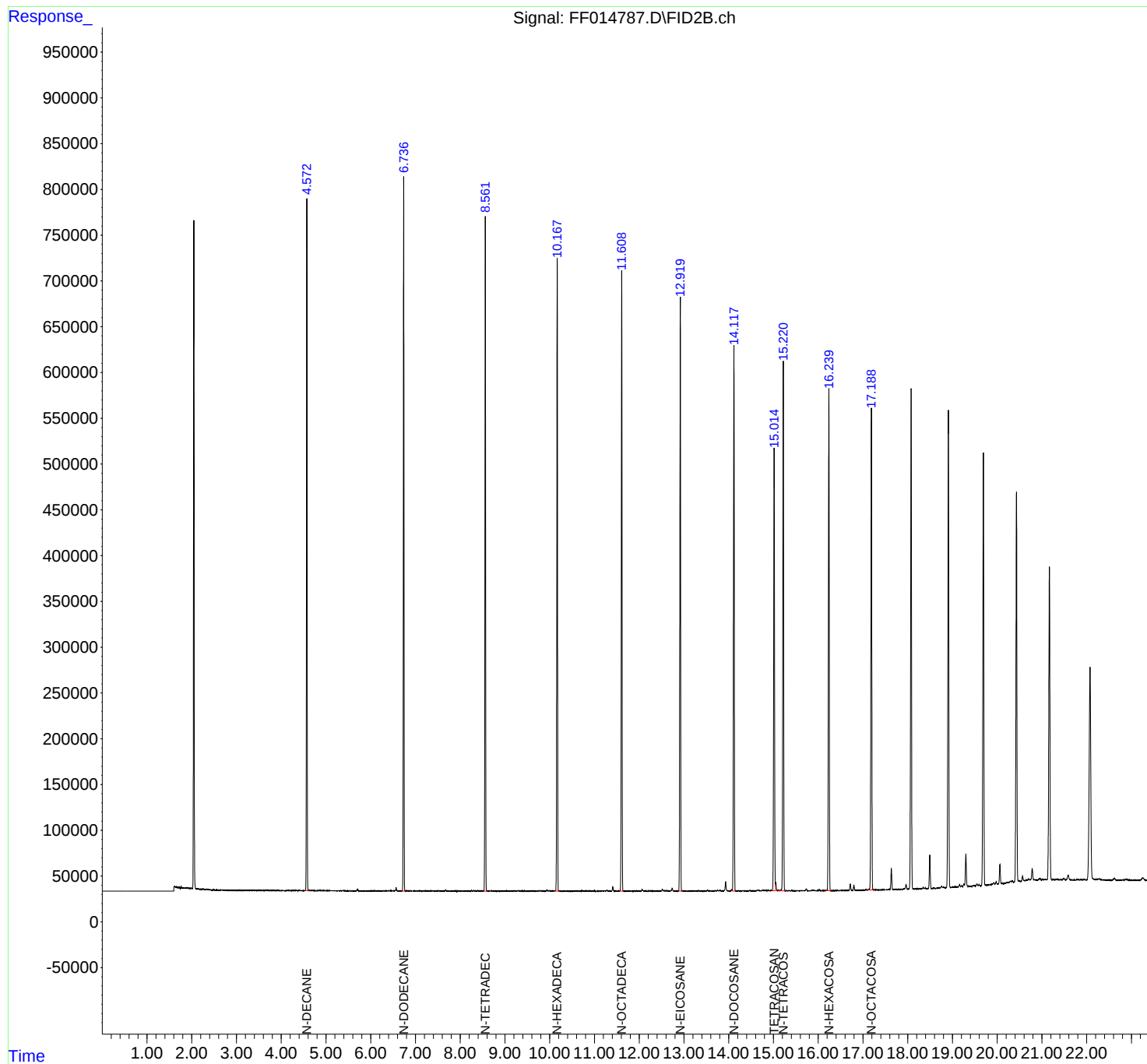
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102524\
Data File : FF014787.D
Signal(s) : FID2B.ch
Acq On : 25 Oct 2024 12:46
Operator : YP\AJ
Sample : 50 PPM TRPH STD
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: Sample.e
Quant Time: Oct 26 04:03:47 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Quant Title :
QLast Update : Tue Oct 22 08:35:55 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102524\
Data File : FF014787.D
Signal(s) : FID2B.ch
Acq On : 25 Oct 2024 12:46
Sample : 50 PPM TRPH STD
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Title :

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.573	4.534	4.622	BB	755998	7777941	98.46%	6.276%
2	6.736	6.689	6.781	BB	775753	7851108	99.39%	6.335%
3	8.561	8.524	8.612	BB	736565	7834568	99.18%	6.322%
4	10.167	10.114	10.222	BB	692639	7804928	98.80%	6.298%
5	11.609	11.552	11.651	BB	677569	7881602	99.77%	6.360%
6	12.918	12.876	12.976	BB	650401	7899420	100.00%	6.374%
7	14.116	14.077	14.152	VB	595611	7599506	96.20%	6.132%
8	15.015	14.904	15.082	BV	482671	6832199	86.49%	5.513%
9	15.219	15.082	15.274	VB	575641	7541643	95.47%	6.085%
10	16.239	16.159	16.291	BB	547904	7408570	93.79%	5.978%
11	17.189	17.097	17.251	BB	527293	7337619	92.89%	5.921%
12	18.076	18.011	18.119	BB	547380	7523374	95.24%	6.071%
13	18.909	18.834	18.957	BB	519985	7455940	94.39%	6.016%
14	19.692	19.631	19.757	BB	474154	7050449	89.25%	5.689%
15	20.431	20.379	20.521	BB	425809	6478852	82.02%	5.228%
16	21.166	21.101	21.241	BB	342012	5984495	75.76%	4.829%
17	22.074	21.972	22.200	BBA	232093	5666664	71.74%	4.573%
Sum of corrected areas:						123928877		

FF102124.M Sat Oct 26 04:42:15 2024

DIESEL RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Chemtech Contract: ENTA05
ProjectID: North Point
Lab Code: CHEM Case No.: P4518 SAS No.: P4518 SDG No.: P4518
DataFile: FF014789.D Analyst Name: YP\AJ Analyst Date: 10-25-2024

Conc. (PPM)	Area Count	RF	Average RF	%D
850	126172679	148438	140252	5.837

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102524\
 Data File : FF014789.D
 Signal(s) : FID2B.ch
 Acq On : 25 Oct 2024 14:24
 Operator : YP\AJ
 Sample : 50 PPM TRPH STD
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: Sample.e
 Quant Time: Oct 26 04:04:07 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
 Quant Title :
 QLast Update : Tue Oct 22 08:35:55 2024
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : Rxi-1ms
 Signal Info : 20mx0.18mmx0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S TETRACOSANE-d50 (SURR...	15.015	6810482	51.750 ug/mlm
Target Compounds			
1) N-OCTANE	2.048	7316165	52.584 ug/ml
2) N-DECANE	4.573	7960641	55.726 ug/ml
3) N-DODECANE	6.736	8019940	55.266 ug/ml
4) N-TETRADECANE	8.561	7993273	54.530 ug/ml
5) N-HEXADECANE	10.167	7962368	54.184 ug/ml
6) N-OCTADECANE	11.609	8023333	53.443 ug/ml
7) N-EICOSANE	12.919	8027825	52.918 ug/ml
8) N-DOCOSANE	14.116	7711529	52.406 ug/ml
10) N-TETRACOSANE	15.219	7626056	51.889 ug/ml
11) N-HEXACOSANE	16.239	7493962	51.307 ug/ml
12) N-OCTACOSANE	17.189	7412366	51.300 ug/ml
13) N-TRIACONTANE	18.075	7602779	51.935 ug/ml
14) N-DOTRIACONTANE	18.909	7536393	52.385 ug/ml
15) N-TETRATRIACONTANE	19.691	7137065	52.041 ug/ml
16) N-HEXATRIACONTANE	20.430	6546788	50.465 ug/ml
17) N-OCTATRIACONTANE	21.164	6065116	52.733 ug/ml
18) N-TETRACONTANE	22.072	5737080	54.641 ug/ml

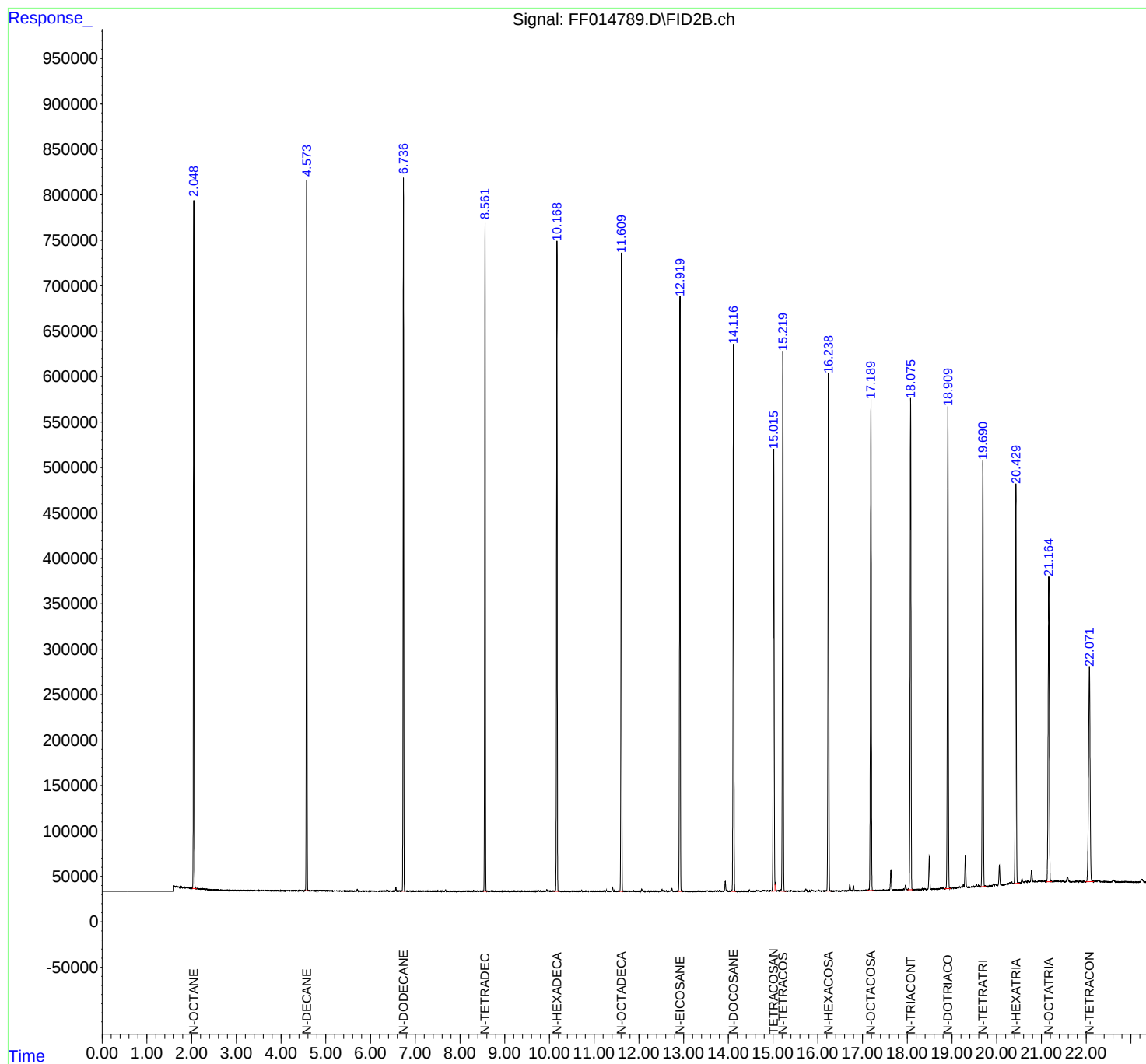
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102524\
Data File : FF014789.D
Signal(s) : FID2B.ch
Acq On : 25 Oct 2024 14:24
Operator : YP\AJ
Sample : 50 PPM TRPH STD
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: Sample.e
Quant Time: Oct 26 04:04:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Quant Title :
QLast Update : Tue Oct 22 08:35:55 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102524\
Data File : FF014789.D
Signal(s) : FID2B.ch
Acq On : 25 Oct 2024 14:24
Sample : 50 PPM TRPH STD
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Title :

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.048	2.012	2.114	PB	757506	7316165	91.14%	5.497%
2	4.573	4.529	4.622	BB	785791	7960641	99.16%	5.981%
3	6.736	6.687	6.784	BB	784058	8019940	99.90%	6.026%
4	8.561	8.517	8.609	BB	733610	7993273	99.57%	6.006%
5	10.167	10.077	10.214	BB	711852	7962368	99.18%	5.982%
6	11.609	11.555	11.649	BB	699237	8023333	99.94%	6.028%
7	12.919	12.875	12.970	BB	653752	8027825	100.00%	6.032%
8	14.116	14.079	14.172	VB	601834	7711529	96.06%	5.794%
9	15.015	14.905	15.085	BV	488193	6924988	86.26%	5.203%
10	15.219	15.147	15.282	BB	592853	7626056	95.00%	5.730%
11	16.239	16.162	16.290	BB	568743	7493962	93.35%	5.630%
12	17.189	17.094	17.252	BB	539573	7412366	92.33%	5.569%
13	18.075	18.010	18.122	BB	539488	7602779	94.71%	5.712%
14	18.909	18.830	18.970	BB	530017	7536393	93.88%	5.662%
15	19.691	19.630	19.759	BB	469545	7137065	88.90%	5.362%
16	20.430	20.375	20.515	BB	439059	6546788	81.55%	4.919%
17	21.164	21.097	21.235	BB	335467	6065116	75.55%	4.557%
18	22.072	21.984	22.175	BB	236723	5737080	71.46%	4.310%
Sum of corrected areas:						133097667		

FF102124.M Sat Oct 26 04:43:01 2024

DIESEL RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Chemtech Contract: ENTA05
ProjectID: North Point
Lab Code: CHEM Case No.: P4518 SAS No.: P4518 SDG No.: P4518
DataFile: FF014799.D Analyst Name: YP\AJ Analyst Date: 10-25-2024

Conc. (PPM)	Area Count	RF	Average RF	%D
850	113515577	133548	140252	4.78

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102524\
 Data File : FF014799.D
 Signal(s) : FID2B.ch
 Acq On : 25 Oct 2024 20:41
 Operator : YP\AJ
 Sample : 50 PPM TRPH STD
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: Sample.e
 Quant Time: Oct 26 04:05:35 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
 Quant Title :
 QLast Update : Tue Oct 22 08:35:55 2024
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : Rxi-1ms
 Signal Info : 20mx0.18mmx0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S TETRACOSANE-d50 (SURR...	15.020	6049826	45.971 ug/ml
Target Compounds			
1) N-OCTANE	2.049	6594862	47.400 ug/ml
2) N-DECANE	4.575	7169971	50.191 ug/ml
3) N-DODECANE	6.739	7196331	49.591 ug/ml
4) N-TETRADECANE	8.564	7152038	48.791 ug/ml
5) N-HEXADECANE	10.170	7106577	48.360 ug/ml
6) N-OCTADECANE	11.613	7150274	47.628 ug/ml
7) N-EICOSANE	12.923	7146548	47.109 ug/ml
8) N-DOCOSANE	14.121	6850161	46.552 ug/ml
10) N-TETRACOSANE	15.224	6773583	46.089 ug/ml
11) N-HEXACOSANE	16.244	6624023	45.351 ug/ml
12) N-OCTACOSANE	17.194	6566333	45.445 ug/ml
13) N-TRIACONTANE	18.081	6735616	46.011 ug/ml
14) N-DOTRIACONTANE	18.914	6744020	46.877 ug/ml
15) N-TETRATRIACONTANE	19.697	6384220	46.551 ug/ml
16) N-HEXATRIACONTANE	20.436	6041323	46.568 ug/ml
17) N-OCTATRIACONTANE	21.172	5764722	50.121 ug/ml
18) N-TETRACONTANE	22.083	5514975	52.526 ug/mlm

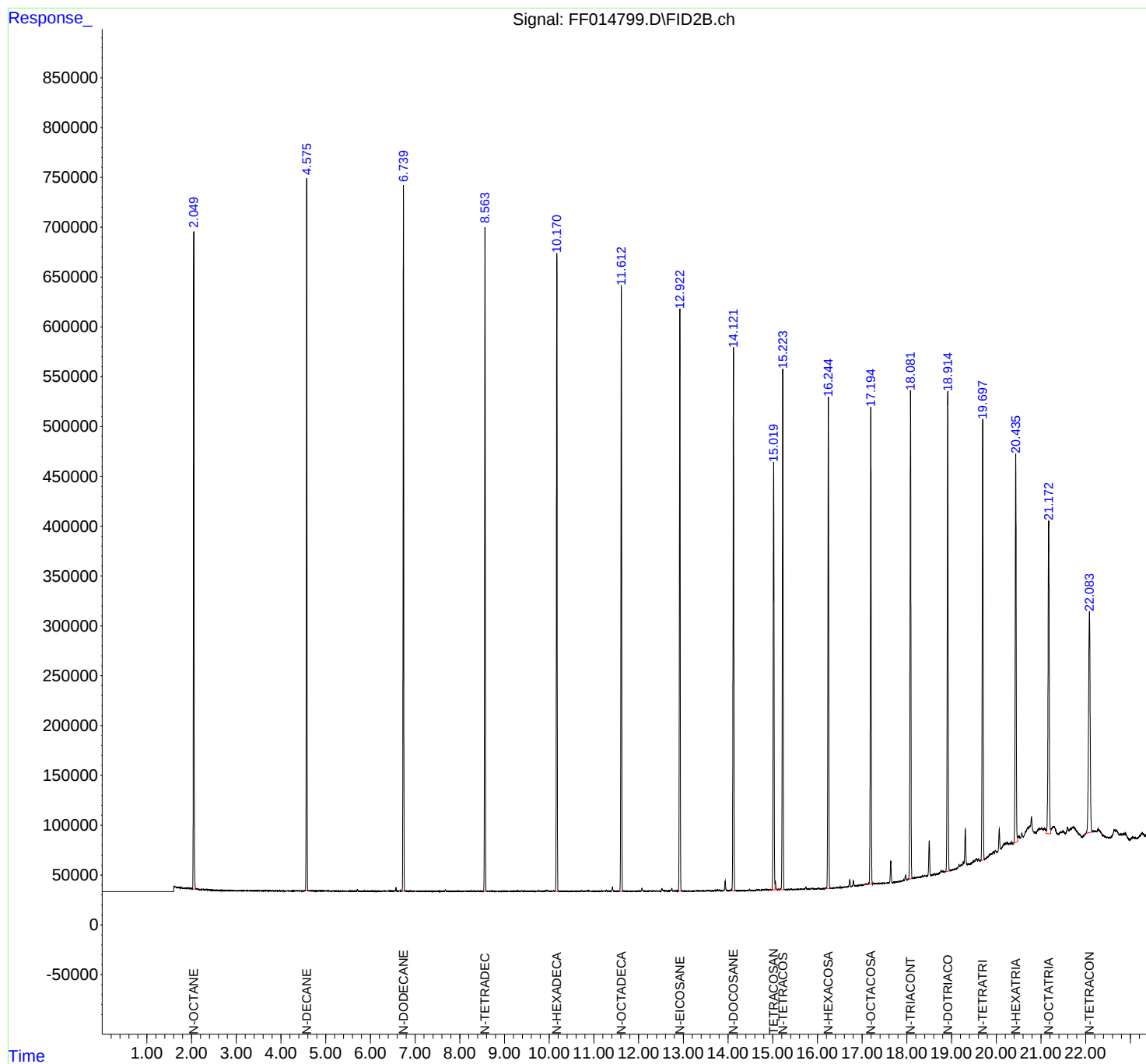
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102524\
Data File : FF014799.D
Signal(s) : FID2B.ch
Acq On : 25 Oct 2024 20:41
Operator : YP\AJ
Sample : 50 PPM TRPH STD
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: Sample.e
Quant Time: Oct 26 04:05:35 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Quant Title :
QLast Update : Tue Oct 22 08:35:55 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102524\
Data File : FF014799.D
Signal(s) : FID2B.ch
Acq On : 25 Oct 2024 20:41
Sample : 50 PPM TRPH STD
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Title :

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.049	2.019	2.112	BB	659088	6594862	91.64%	5.512%
2	4.575	4.537	4.631	BB	716575	7169971	99.63%	5.993%
3	6.739	6.699	6.787	BB	709556	7196331	100.00%	6.015%
4	8.564	8.524	8.607	BB	667024	7152038	99.38%	5.978%
5	10.170	10.121	10.221	BB	639543	7106577	98.75%	5.940%
6	11.613	11.559	11.652	BB	607520	7150274	99.36%	5.976%
7	12.923	12.879	12.989	BB	587263	7146548	99.31%	5.973%
8	14.121	14.084	14.177	VB	545469	6850161	95.19%	5.726%
9	15.020	14.909	15.051	BV	430160	6049826	84.07%	5.057%
10	15.224	15.091	15.282	VB	520965	6773583	94.13%	5.662%
11	16.244	16.164	16.282	BB	493858	6624023	92.05%	5.537%
12	17.194	17.022	17.256	BB	479396	6566333	91.25%	5.488%
13	18.081	17.996	18.117	PB	488772	6735616	93.60%	5.630%
14	18.914	18.856	18.966	BB	482573	6744020	93.71%	5.637%
15	19.697	19.642	19.734	BV	443285	6384220	88.71%	5.336%
16	20.436	20.374	20.477	BV	389726	6041323	83.95%	5.050%
17	21.172	21.117	21.219	VV	314085	5764722	80.11%	4.818%
18	22.083	21.902	22.171	BV	221803	5589521	77.67%	4.672%
Sum of corrected areas:						119639950		

FF102124.M Sat Oct 26 04:44:42 2024

Analytical Sequence

Client: ENTACT

SDG No.: P4518

Project: North Point

Instrument ID: FID_F

GC Column: RXI-1MS

ID: 0.18 (mm)

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

MEAN SUROGATE RT FROM INITIAL CALIBRATION 14.9988					
EPA SAMPLE NO.	LAB SAMPLE ID	DATE AND TIME ANALYZED	DATAFILE	RT	#
PIBLK01	LBLK01	24 Oct 2024 12:00	FF014756.D	15.009	
50 PPM TRPH STD	50 PPM TRPH STD	24 Oct 2024 12:59	FF014757.D	15.014	
PB164381BL	PB164381BL	24 Oct 2024 14:33	FF014759.D	15.010	
PB164381BS	PB164381BS	24 Oct 2024 15:02	FF014760.D	15.011	
PIBLK02	LBLK02	24 Oct 2024 16:35	FF014763.D	15.010	
50 PPM TRPH STD	50 PPM TRPH STD	24 Oct 2024 17:33	FF014764.D	15.014	
EX-5-TPH-1MS	P4518-01MS	24 Oct 2024 19:58	FF014766.D	14.969	
EX-5-TPH-1MSD	P4518-01MSD	24 Oct 2024 20:27	FF014767.D	14.973	
PIBLK03	LBLK03	24 Oct 2024 22:52	FF014772.D	15.015	
50 PPM TRPH STD	50 PPM TRPH STD	24 Oct 2024 23:50	FF014773.D	15.018	
PIBLK04	LBLK04	25 Oct 2024 06:11	FF014775.D	15.012	
50 PPM TRPH STD	50 PPM TRPH STD	25 Oct 2024 06:40	FF014776.D	15.015	
EX-5-TPH-1	P4518-01	25 Oct 2024 08:55	FF014779.D	15.010	
EX-5-TPH-3	P4518-03	25 Oct 2024 10:22	FF014782.D	15.011	
EX-5-TPH-2	P4518-02	25 Oct 2024 10:51	FF014783.D	14.984	
EX-5-TPH-5	P4518-05	25 Oct 2024 11:20	FF014784.D	15.011	
EX-5-TPH-4	P4518-04	25 Oct 2024 11:49	FF014785.D	15.009	
PIBLK05	LBLK05	25 Oct 2024 12:17	FF014786.D	15.011	
50 PPM TRPH STD	50 PPM TRPH STD	25 Oct 2024 12:46	FF014787.D	15.015	



QC SAMPLE DATA

Report of Analysis

Client:	ENTACT		Date Collected:		
Project:	North Point		Date Received:		
Client Sample ID:	PB164381BL		SDG No.:	P4518	
Lab Sample ID:	PB164381BL		Matrix:	SOIL	
Analytical Method:	8015D DRO		% Solid:	100	Decanted:
Sample Wt/Vol:	30.03	Units: g	Final Vol:	1	mL
Soil Aliquot Vol:		uL	Test:	Diesel Range Organics	
Extraction Type:			Injection Volume :		
GPC Factor :		PH :			
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF014759.D	1	10/24/24 11:10	10/24/24 14:33	PB164381

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	185	U	185	1670	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	15.5		37 - 130	77%	SPK: 20

Comments:

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 P = Indicates >25% difference for detected concentrations between the two GC columns
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance 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
 S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
 () = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102424\
Data File : FF014759.D
Signal(s) : FID2B.ch
Acq On : 24 Oct 2024 14:33
Operator : YP\AJ
Sample : PB164381BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: Sample.e
Quant Time: Oct 25 04:36:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Quant Title :
QLast Update : Tue Oct 22 08:35:55 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S TETRACOSANE-d50 (SURR...	15.010	2035886	15.470 ug/ml

Target Compounds

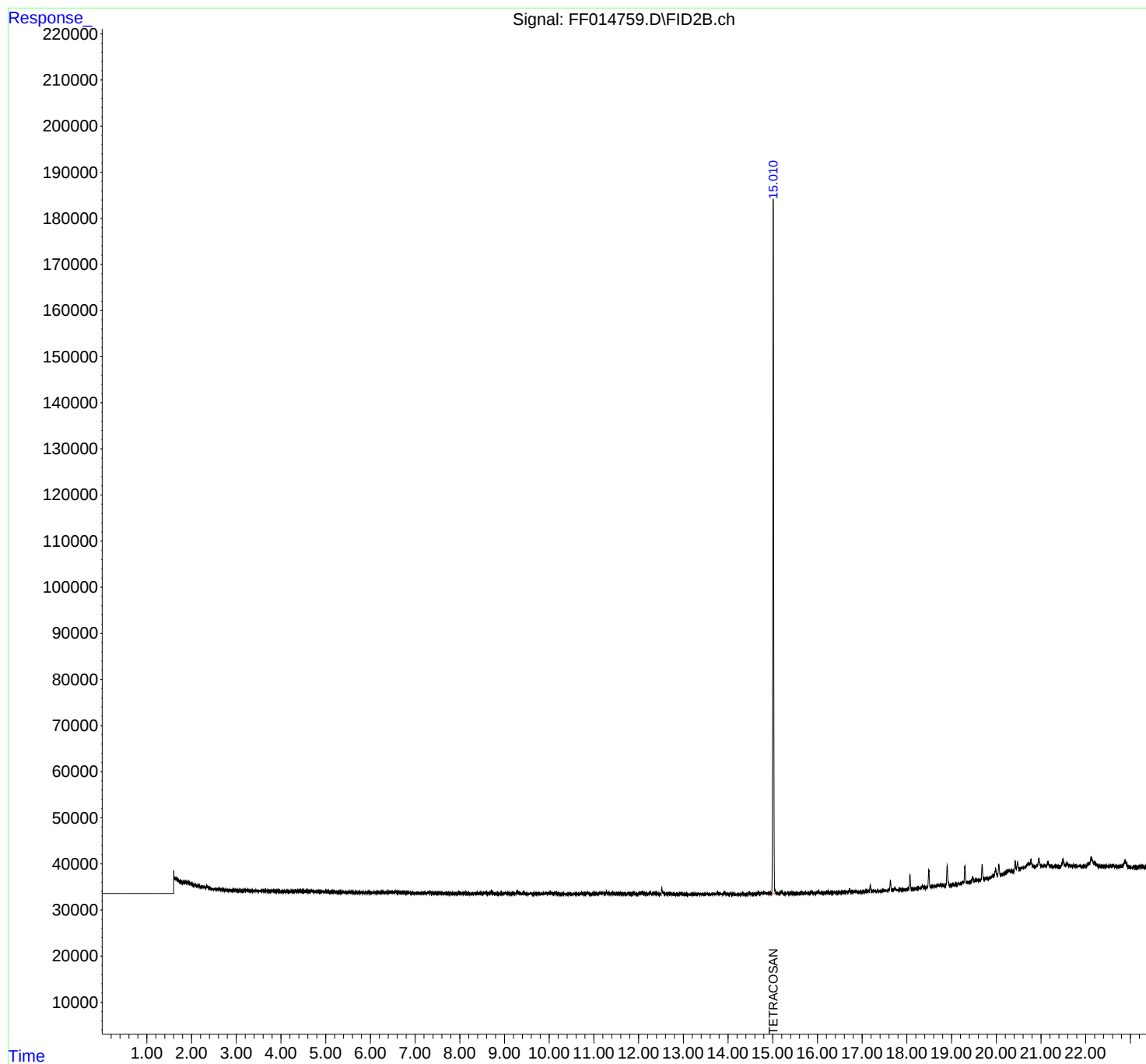
(f)=RT Delta > 1/2 Window

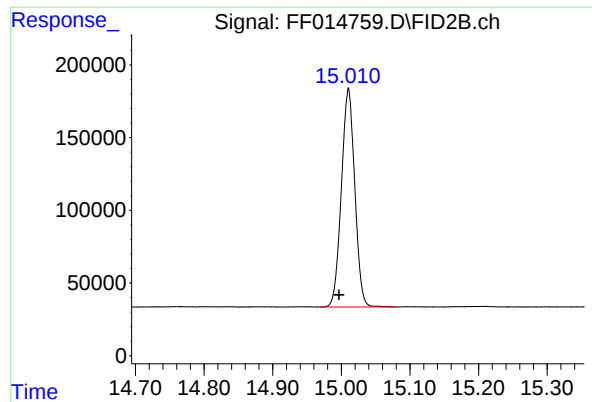
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102424\
Data File : FF014759.D
Signal(s) : FID2B.ch
Acq On : 24 Oct 2024 14:33
Operator : YP\AJ
Sample : PB164381BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: Sample.e
Quant Time: Oct 25 04:36:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Quant Title :
QLast Update : Tue Oct 22 08:35:55 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um





#9 TETRACOSANE-d50 (SURROGATE)

R.T.: 15.010 min
Delta R.T.: 0.013 min
Response: 2035886
Conc: 15.47 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102424\
Data File : FF014759.D
Signal(s) : FID2B.ch
Acq On : 24 Oct 2024 14:33
Sample : PB164381BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Title :

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	15.010	14.969	15.079	BB	150762	2035886	100.00%	100.000%
Sum of corrected areas:						2035886		

FF102124.M Fri Oct 25 05:00:12 2024

Report of Analysis

Client:	ENTACT	Date Collected:	10/24/24
Project:	North Point	Date Received:	10/24/24
Client Sample ID:	PIBLK-FF014756.D	SDG No.:	P4518
Lab Sample ID:	I.BLK-FF014756.D	Matrix:	Water
Analytical Method:	8015D DRO	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Diesel Range Organics
GPC Factor :		Injection Volume :	
Prep Method :	SW3510		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF014756.D	1		10/24/24	FF102424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
DRO	DRO	10.0	U	10.0	50.0	ug/L
SURROGATES						
16416-32-3	Tetracosane-d50	16.3		29 - 130	82%	SPK: 20

Comments:

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 P = Indicates >25% difference for detected concentrations between the two GC columns
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance 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
 S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
 () = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102424\
Data File : FF014756.D
Signal(s) : FID2B.ch
Acq On : 24 Oct 2024 12:00
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: Sample.e
Quant Time: Oct 25 04:35:58 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Quant Title :
QLast Update : Tue Oct 22 08:35:55 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S TETRACOSANE-d50 (SURR...	15.009	2144842	16.298 ug/ml
Target Compounds			

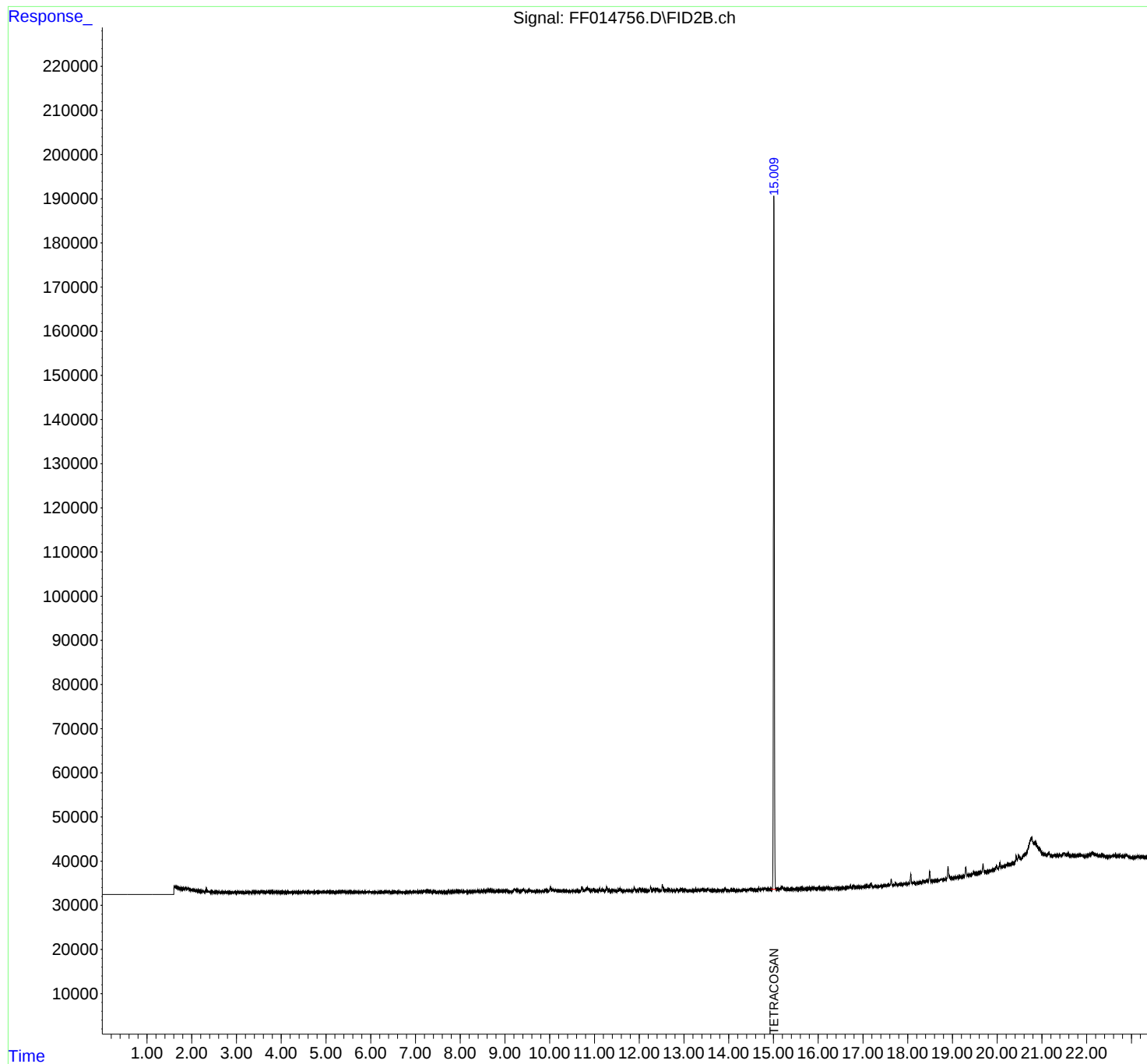
(f)=RT Delta > 1/2 Window

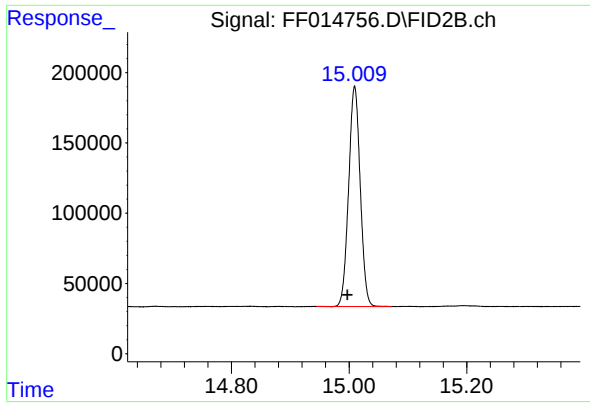
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102424\
Data File : FF014756.D
Signal(s) : FID2B.ch
Acq On : 24 Oct 2024 12:00
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: Sample.e
Quant Time: Oct 25 04:35:58 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Quant Title :
QLast Update : Tue Oct 22 08:35:55 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um





#9 TETRACOSANE-d50 (SURROGATE)

R.T.: 15.009 min
Delta R.T.: 0.012 min
Response: 2144842
Conc: 16.30 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102424\
Data File : FF014756.D
Signal(s) : FID2B.ch
Acq On : 24 Oct 2024 12:00
Sample : I.BLK
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Title :

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	15.009	14.944	15.072	BB	156820	2144842	100.00%	100.000%
Sum of corrected areas:						2144842		

FF102124.M Fri Oct 25 04:59:23 2024

Report of Analysis

Client:	ENTACT	Date Collected:	10/24/24
Project:	North Point	Date Received:	10/24/24
Client Sample ID:	PIBLK-FF014763.D	SDG No.:	P4518
Lab Sample ID:	I.BLK-FF014763.D	Matrix:	Water
Analytical Method:	8015D DRO	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Diesel Range Organics
GPC Factor :		Injection Volume :	
Prep Method :	SW3510		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF014763.D	1		10/24/24	FF102424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
DRO	DRO	10.0	U	10.0	50.0	ug/L
SURROGATES						
16416-32-3	Tetracosane-d50	17.1		29 - 130	85%	SPK: 20

Comments:

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 P = Indicates >25% difference for detected concentrations between the two GC columns
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance 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
 S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
 () = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102424\
Data File : FF014763.D
Signal(s) : FID2B.ch
Acq On : 24 Oct 2024 16:35
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: Sample.e
Quant Time: Oct 25 04:37:00 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Quant Title :
QLast Update : Tue Oct 22 08:35:55 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S TETRACOSANE-d50 (SURR...	15.010	2244176	17.053 ug/ml

Target Compounds

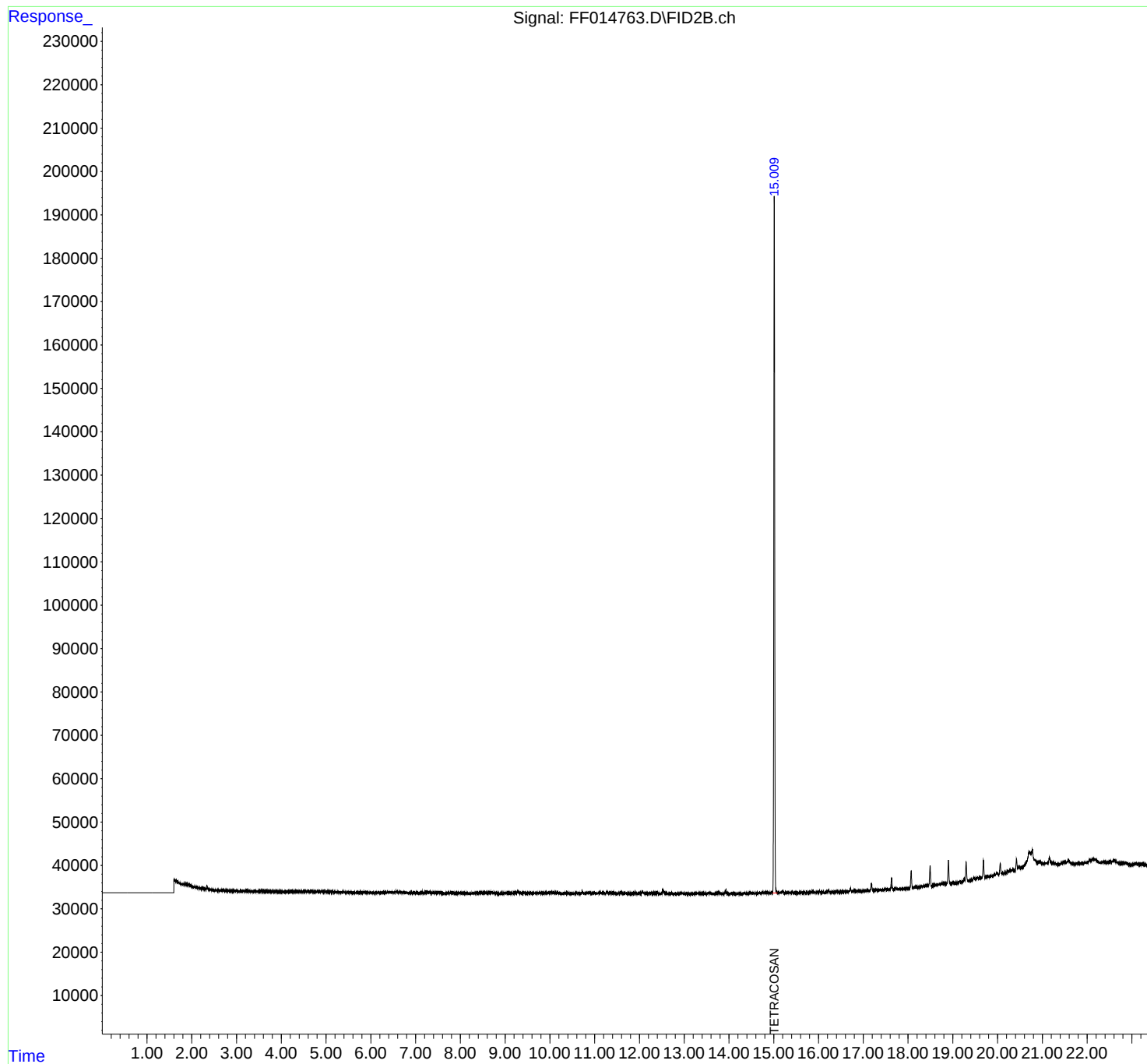
(f)=RT Delta > 1/2 Window

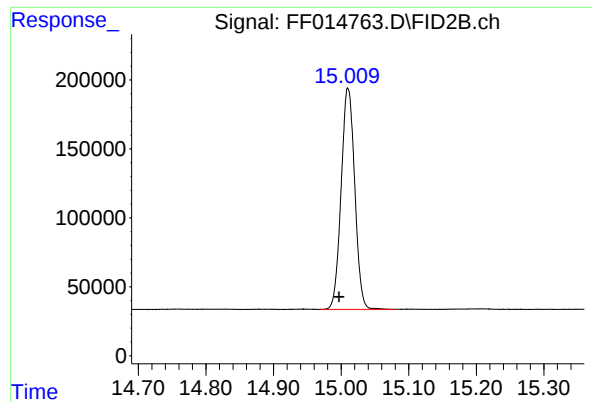
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102424\
Data File : FF014763.D
Signal(s) : FID2B.ch
Acq On : 24 Oct 2024 16:35
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: Sample.e
Quant Time: Oct 25 04:37:00 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Quant Title :
QLast Update : Tue Oct 22 08:35:55 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um





#9 TETRACOSANE-d50 (SURROGATE)

R.T.: 15.010 min
Delta R.T.: 0.013 min
Response: 2244176
Conc: 17.05 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102424\
Data File : FF014763.D
Signal(s) : FID2B.ch
Acq On : 24 Oct 2024 16:35
Sample : I.BLK
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Title :

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	15.010	14.969	15.081	BB	159852	2244176	100.00%	100.000%
Sum of corrected areas:						2244176		

FF102124.M Fri Oct 25 05:00:41 2024

Report of Analysis

Client:	ENTACT	Date Collected:	10/24/24
Project:	North Point	Date Received:	10/24/24
Client Sample ID:	PIBLK-FF014772.D	SDG No.:	P4518
Lab Sample ID:	I.BLK-FF014772.D	Matrix:	Water
Analytical Method:	8015D DRO	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Diesel Range Organics
GPC Factor :		Injection Volume :	
Prep Method :	SW3510		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF014772.D	1		10/24/24	FF102424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
DRO	DRO	10.0	U	10.0	50.0	ug/L
SURROGATES						
16416-32-3	Tetracosane-d50	16.1		29 - 130	80%	SPK: 20

Comments:

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 P = Indicates >25% difference for detected concentrations between the two GC columns
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance 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
 S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
 () = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102424\
Data File : FF014772.D
Signal(s) : FID2B.ch
Acq On : 24 Oct 2024 22:52
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: Sample.e
Quant Time: Oct 25 04:38:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Quant Title :
QLast Update : Tue Oct 22 08:35:55 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S TETRACOSANE-d50 (SURR...	15.015	2113651	16.061 ug/ml

Target Compounds

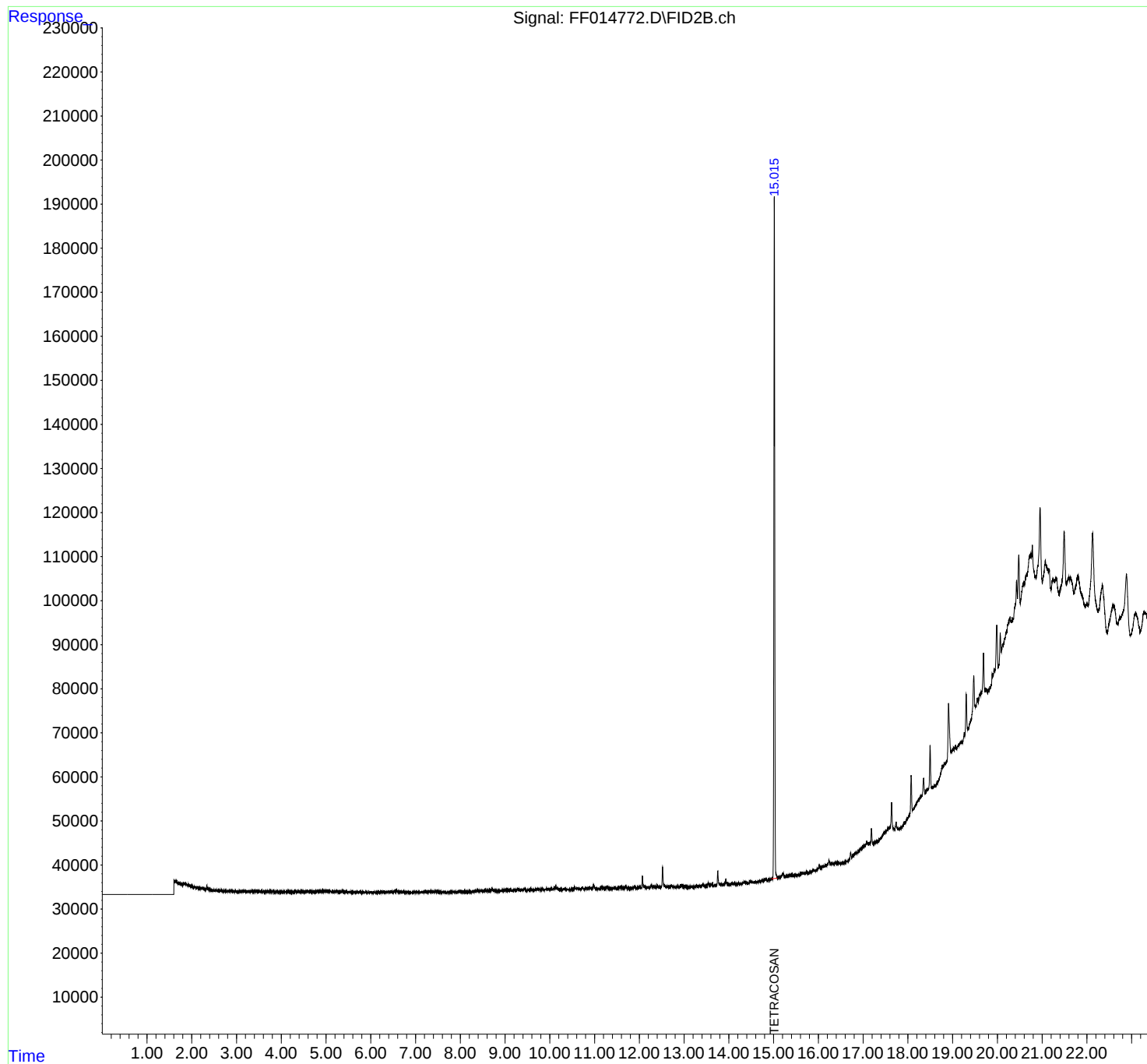
(f)=RT Delta > 1/2 Window

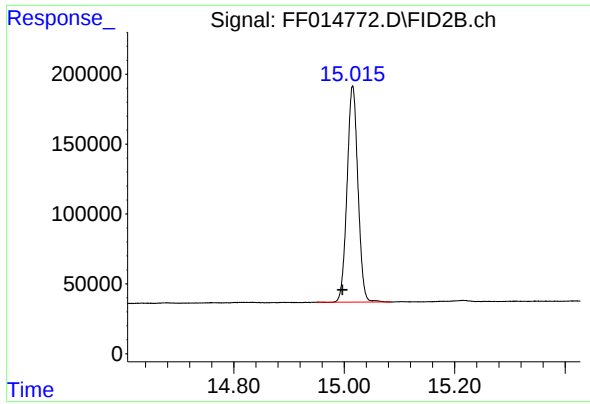
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102424\
Data File : FF014772.D
Signal(s) : FID2B.ch
Acq On : 24 Oct 2024 22:52
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: Sample.e
Quant Time: Oct 25 04:38:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Quant Title :
QLast Update : Tue Oct 22 08:35:55 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um





#9 TETRACOSANE-d50 (SURROGATE)

R.T.: 15.015 min
Delta R.T.: 0.018 min
Response: 2113651
Conc: 16.06 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102424\
Data File : FF014772.D
Signal(s) : FID2B.ch
Acq On : 24 Oct 2024 22:52
Sample : I.BLK
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Title :

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	15.015	14.949	15.086	BB	154771	2113651	100.00%	100.000%
Sum of corrected areas:						2113651		

FF102124.M Fri Oct 25 05:01:21 2024

Report of Analysis

Client:	ENTACT	Date Collected:	10/25/24
Project:	North Point	Date Received:	10/25/24
Client Sample ID:	PIBLK-FF014775.D	SDG No.:	P4518
Lab Sample ID:	I.BLK-FF014775.D	Matrix:	Water
Analytical Method:	8015D DRO	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Diesel Range Organics
GPC Factor :		Injection Volume :	
Prep Method :	SW3510		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF014775.D	1		10/25/24	FF102524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
DRO	DRO	10.0	U	10.0	50.0	ug/L
SURROGATES						
16416-32-3	Tetracosane-d50	19.9		29 - 130	99%	SPK: 20

Comments:

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 P = Indicates >25% difference for detected concentrations between the two GC columns
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance 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
 S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
 () = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102524\
Data File : FF014775.D
Signal(s) : FID2B.ch
Acq On : 25 Oct 2024 06:11
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: Sample.e
Quant Time: Oct 26 04:02:05 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Quant Title :
QLast Update : Tue Oct 22 08:35:55 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S TETRACOSANE-d50 (SURR...	15.012	2612293	19.850 ug/ml

Target Compounds

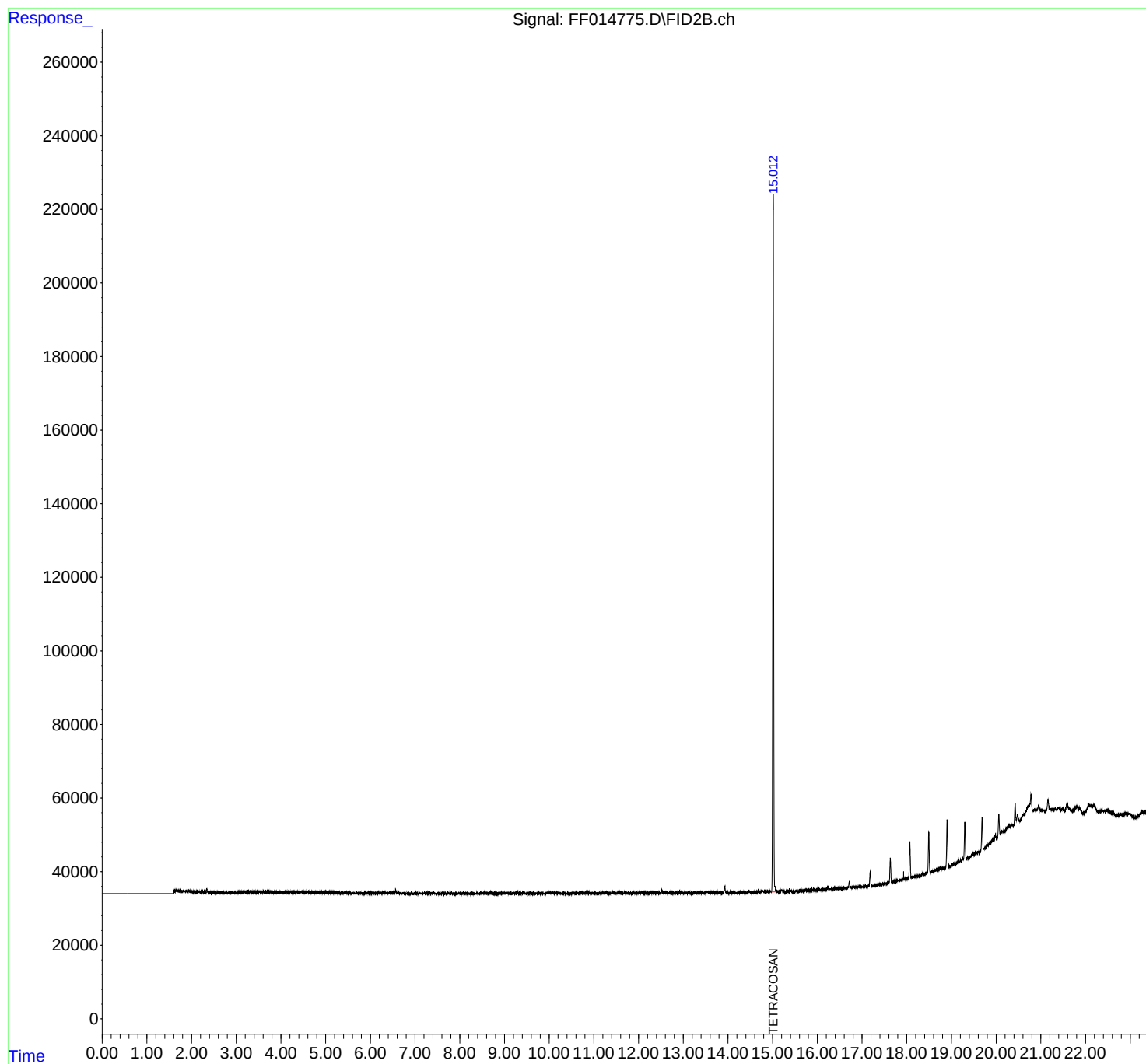
(f)=RT Delta > 1/2 Window

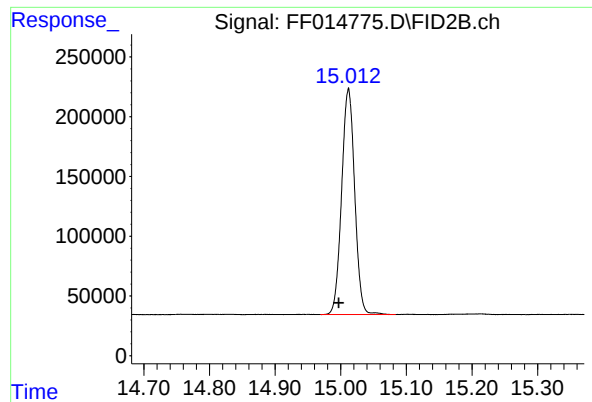
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102524\
Data File : FF014775.D
Signal(s) : FID2B.ch
Acq On : 25 Oct 2024 06:11
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: Sample.e
Quant Time: Oct 26 04:02:05 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Quant Title :
QLast Update : Tue Oct 22 08:35:55 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um





#9 TETRACOSANE-d50 (SURROGATE)

R.T.: 15.012 min
Delta R.T.: 0.015 min
Response: 2612293
Conc: 19.85 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102524\
Data File : FF014775.D
Signal(s) : FID2B.ch
Acq On : 25 Oct 2024 06:11
Sample : I.BLK
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Title :

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	15.012	14.969	15.084	BB	189568	2612293	100.00%	100.000%
Sum of corrected areas:						2612293		

FF102124.M Sat Oct 26 04:40:45 2024

Report of Analysis

Client:	ENTACT	Date Collected:	10/25/24
Project:	North Point	Date Received:	10/25/24
Client Sample ID:	PIBLK-FF014786.D	SDG No.:	P4518
Lab Sample ID:	I.BLK-FF014786.D	Matrix:	Water
Analytical Method:	8015D DRO	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Diesel Range Organics
GPC Factor :		Injection Volume :	
Prep Method :	SW3510		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF014786.D	1		10/25/24	FF102524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
DRO	DRO	10.0	U	10.0	50.0	ug/L
SURROGATES						
16416-32-3	Tetracosane-d50	16.6		29 - 130	83%	SPK: 20

Comments:

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 P = Indicates >25% difference for detected concentrations between the two GC columns
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance 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
 S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
 () = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102524\
Data File : FF014786.D
Signal(s) : FID2B.ch
Acq On : 25 Oct 2024 12:17
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: Sample.e
Quant Time: Oct 26 04:03:39 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Quant Title :
QLast Update : Tue Oct 22 08:35:55 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S TETRACOSANE-d50 (SURR...	15.010	2186974	16.618 ug/mlm
Target Compounds			

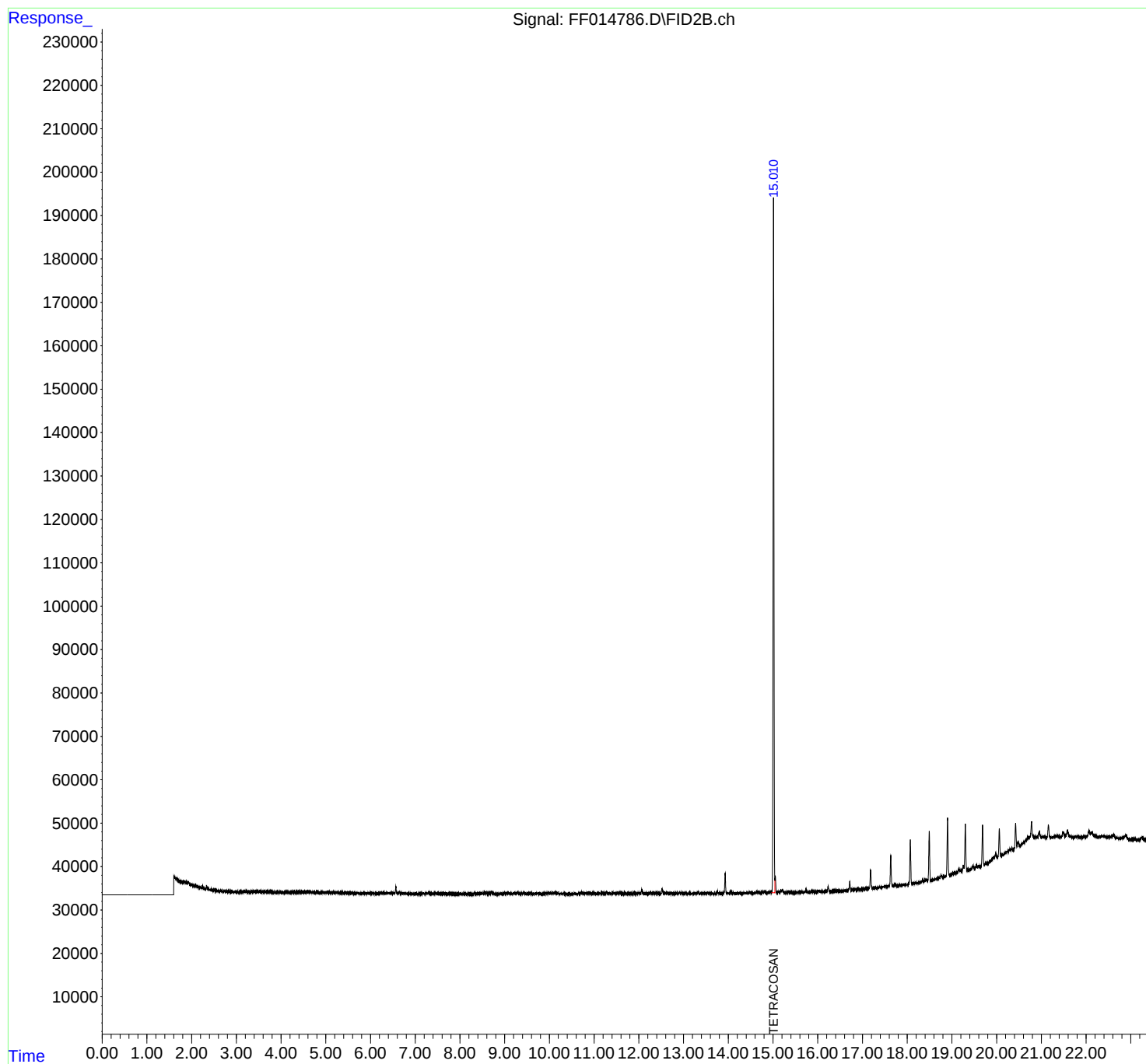
(f)=RT Delta > 1/2 Window

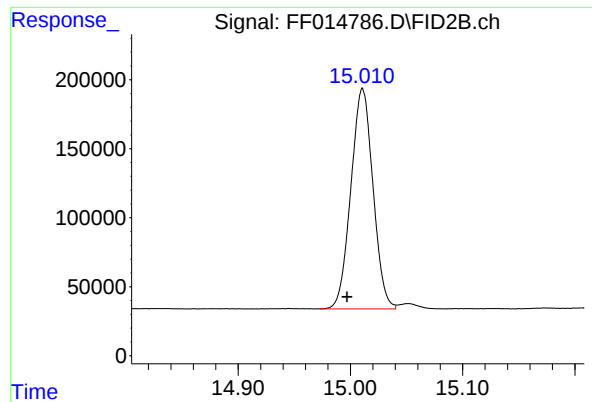
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102524\
Data File : FF014786.D
Signal(s) : FID2B.ch
Acq On : 25 Oct 2024 12:17
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: Sample.e
Quant Time: Oct 26 04:03:39 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Quant Title :
QLast Update : Tue Oct 22 08:35:55 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um





#9 TETRACOSANE-d50 (SURROGATE)

R.T.: 15.010 min
Delta R.T.: 0.013 min
Response: 2186974
Conc: 16.62 ug/ml m

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102524\
Data File : FF014786.D
Signal(s) : FID2B.ch
Acq On : 25 Oct 2024 12:17
Sample : I.BLK
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Title :

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	15.011	14.969	15.085	BB	159794	2232188	100.00%	100.000%
Sum of corrected areas:						2232188		

FF102124.M Sat Oct 26 04:41:44 2024

Report of Analysis

Client:	ENTACT		Date Collected:		
Project:	North Point		Date Received:		
Client Sample ID:	PB164381BS		SDG No.:	P4518	
Lab Sample ID:	PB164381BS		Matrix:	SOIL	
Analytical Method:	8015D DRO		% Solid:	100	Decanted:
Sample Wt/Vol:	30.01	Units: g	Final Vol:	1	mL
Soil Aliquot Vol:		uL	Test:	Diesel Range Organics	
Extraction Type:			Injection Volume :		
GPC Factor :		PH :			
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF014760.D	1	10/24/24 11:10	10/24/24 15:02	PB164381

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	6640		185	1670	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	15.9		37 - 130	80%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance 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

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102424\
 Data File : FF014760.D
 Signal(s) : FID2B.ch
 Acq On : 24 Oct 2024 15:02
 Operator : YP\AJ
 Sample : PB164381BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Integration File: Sample.e
 Quant Time: Oct 25 04:36:32 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
 Quant Title :
 QLast Update : Tue Oct 22 08:35:55 2024
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : Rxi-1ms
 Signal Info : 20mx0.18mmx0.18um

Compound		R.T.	Response	Conc Units

System Monitoring Compounds				
9) S	TETRACOSANE-d50 (SURR...	15.011	2092640	15.901 ug/ml
Target Compounds				
2)	N-DECANE	4.570	2698037	18.887 ug/ml
3)	N-DODECANE	6.733	2849137	19.634 ug/ml
4)	N-TETRADECANE	8.557	2800314	19.104 ug/ml
5)	N-HEXADECANE	10.163	2897469	19.717 ug/ml
6)	N-OCTADECANE	11.605	3027621	20.167 ug/ml
7)	N-EICOSANE	12.915	3029295	19.969 ug/ml
8)	N-DOCOSANE	14.112	3028533	20.581 ug/ml
10)	N-TETRACOSANE	15.214	3027949	20.603 ug/ml
11)	N-HEXACOSANE	16.234	2969626	20.331 ug/ml
12)	N-OCTACOSANE	17.183	2918755	20.200 ug/ml

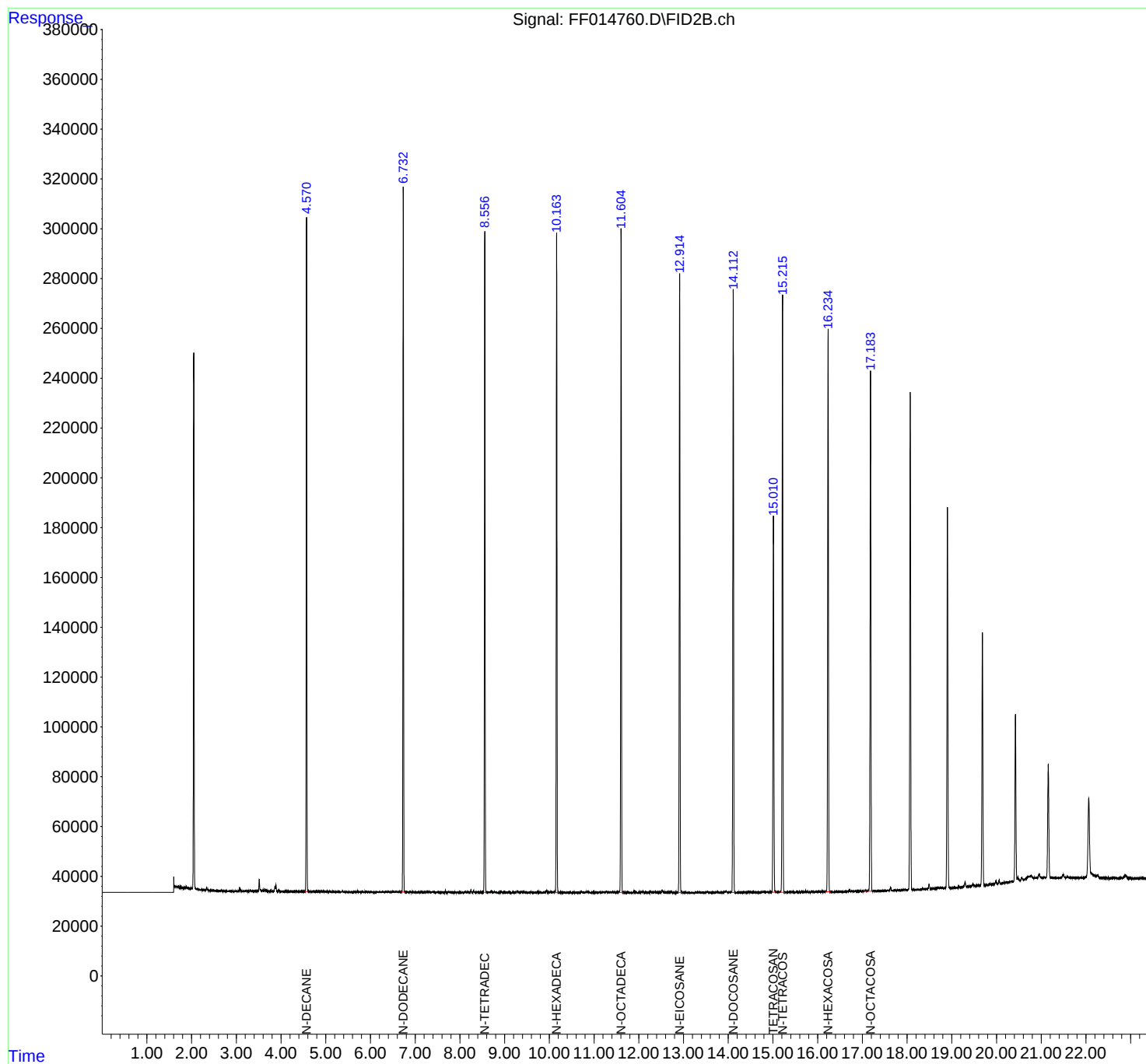
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102424\
Data File : FF014760.D
Signal(s) : FID2B.ch
Acq On : 24 Oct 2024 15:02
Operator : YP\AJ
Sample : PB164381BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: Sample.e
Quant Time: Oct 25 04:36:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Quant Title :
QLast Update : Tue Oct 22 08:35:55 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102424\
Data File : FF014760.D
Signal(s) : FID2B.ch
Acq On : 24 Oct 2024 15:02
Sample : PB164381BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Title :

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.570	4.534	4.599	BB	270936	2698037	89.06%	8.609%
2	6.733	6.689	6.781	BB	283259	2849137	94.05%	9.091%
3	8.557	8.524	8.602	BB	264770	2800314	92.44%	8.935%
4	10.163	10.112	10.211	BB	266184	2897469	95.65%	9.245%
5	11.605	11.551	11.654	BB	265714	3027621	99.94%	9.661%
6	12.915	12.876	12.966	BB	248035	3029295	100.00%	9.666%
7	14.112	14.072	14.152	BB	242292	3028533	99.97%	9.664%
8	15.011	14.969	15.064	BB	150982	2092640	69.08%	6.677%
9	15.214	15.154	15.271	BB	238579	3027949	99.96%	9.662%
10	16.234	16.176	16.281	BB	225666	2969626	98.03%	9.476%
11	17.183	17.036	17.222	BB	207550	2918755	96.35%	9.313%
Sum of corrected areas:						31339375		

FF102124.M Fri Oct 25 05:00:26 2024

Report of Analysis

Client:	ENTACT	Date Collected:	10/23/24
Project:	North Point	Date Received:	10/23/24
Client Sample ID:	EX-5-TPH-1MS	SDG No.:	P4518
Lab Sample ID:	P4518-01MS	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	78.5
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Final Vol:	1
GPC Factor :		PH :	
Prep Method :	SW3541	Decanted:	
		Test:	Diesel Range Organics
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF014766.D	1	10/24/24 11:10	10/24/24 19:58	PB164381

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	968000	E	235	2120	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	11.5		37 - 130	58%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance 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

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102424\
 Data File : FF014766.D
 Signal(s) : FID2B.ch
 Acq On : 24 Oct 2024 19:58
 Operator : YP\AJ
 Sample : P4518-01MS
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Integration File: Sample.e
 Quant Time: Oct 25 04:37:27 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
 Quant Title :
 QLast Update : Tue Oct 22 08:35:55 2024
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : Rxi-1ms
 Signal Info : 20mx0.18mmx0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S TETRACOSANE-d50 (SURR...	15.022	1518855	11.541 ug/mlm
Target Compounds			
1) N-OCTANE	2.047	2150264	15.455 ug/ml
2) N-DECANE	4.573	3474945	24.325 ug/ml
3) N-DODECANE	6.743	3565980	24.574 ug/mlm
4) N-TETRADECANE	8.535	11273646	76.908 ug/mlm
5) N-HEXADECANE	10.148	11962366	81.404 ug/mlm
6) N-OCTADECANE	11.581	3096155	20.623 ug/mlm
7) N-EICOSANE	12.894	5544084	36.546 ug/mlm
8) N-DOCOSANE	14.128	3087943	20.985 ug/mlm
10) N-TETRACOSANE	15.205	759822	5.170 ug/mlm
11) N-HEXACOSANE	16.246	3143947	21.525 ug/mlm
12) N-OCTACOSANE	17.197	3695216	25.574 ug/mlm
13) N-TRIACONTANE	18.081	3060655	20.907 ug/mlm
14) N-DOTRIACONTANE	18.914	2451160	17.038 ug/mlm
15) N-TETRATRIACONTANE	19.697	1742184	12.703 ug/mlm
16) N-HEXATRIACONTANE	20.433	962275	7.417 ug/ml
17) N-OCTATRIACONTANE	21.167	952158	8.279 ug/mlm
18) N-TETRACONTANE	22.079	780360	7.432 ug/mlm

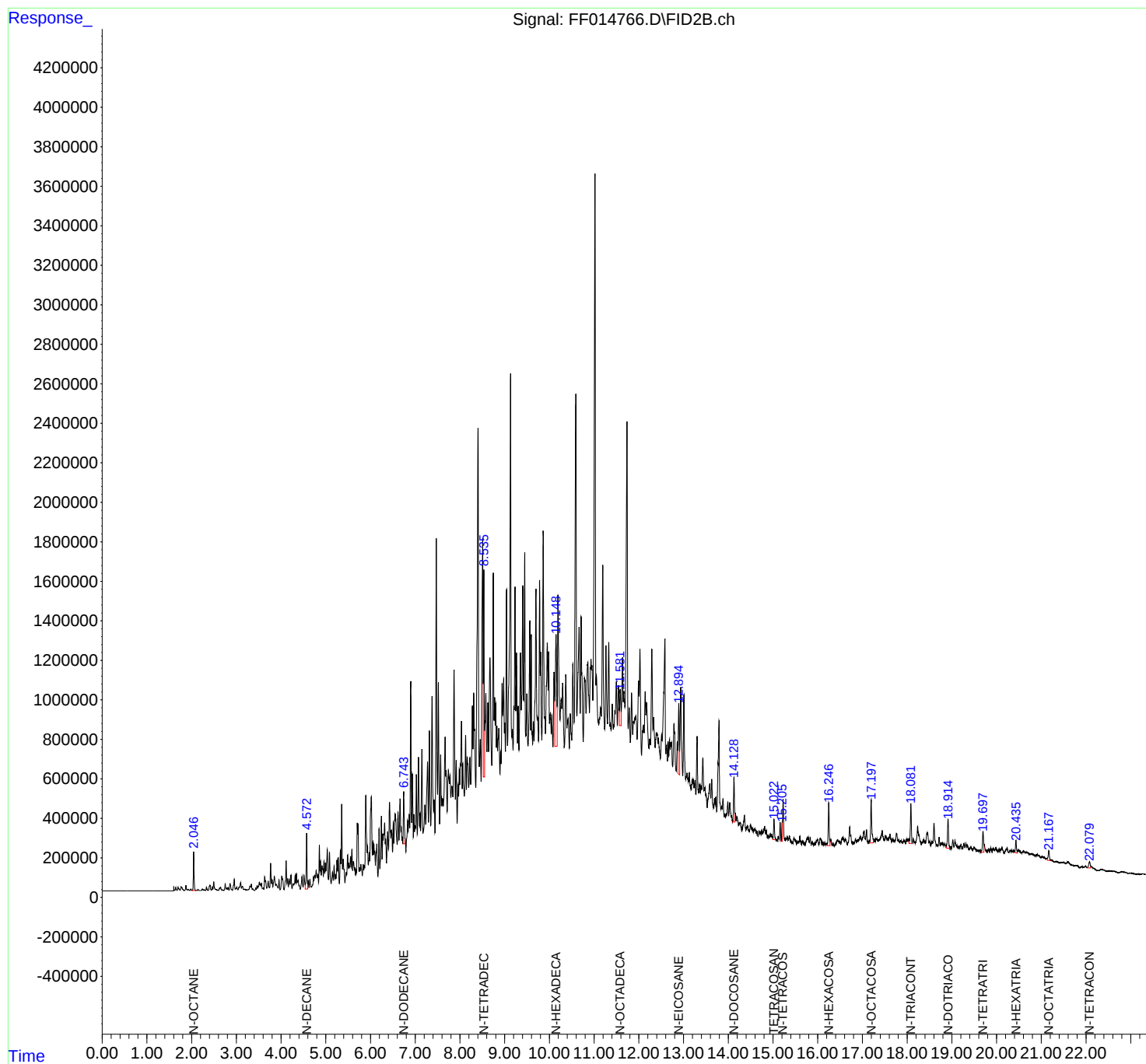
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102424\
Data File : FF014766.D
Signal(s) : FID2B.ch
Acq On : 24 Oct 2024 19:58
Operator : YP\AJ
Sample : P4518-01MS
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File: Sample.e
Quant Time: Oct 25 04:37:27 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Quant Title :
QLast Update : Tue Oct 22 08:35:55 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102424\
Data File : FF014766.D
Signal(s) : FID2B.ch
Acq On : 24 Oct 2024 19:58
Sample : P4518-01MS
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Title :

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.513	4.500	4.540	BV	50182	616333	0.79%	0.018%
2	4.573	4.540	4.595	VV	270218	3039108	3.87%	0.091%
3	4.608	4.595	4.625	VV	34955	346277	0.44%	0.010%
4	4.645	4.625	4.670	PV	41366	519173	0.66%	0.015%
5	4.679	4.670	4.686	VV	3918	31277	0.04%	0.001%
6	4.703	4.686	4.708	VV	12379	106273	0.14%	0.003%
7	4.725	4.708	4.736	VV	52583	572781	0.73%	0.017%
8	4.752	4.736	4.769	VV	61384	1039740	1.33%	0.031%
9	4.785	4.769	4.811	VV	84548	1583329	2.02%	0.047%
10	4.825	4.811	4.839	VV	64112	847419	1.08%	0.025%
11	4.857	4.839	4.871	VV	211500	2282809	2.91%	0.068%
12	4.882	4.871	4.899	VV	130131	1608237	2.05%	0.048%
13	4.917	4.899	4.928	VV	104867	1508033	1.92%	0.045%
14	4.934	4.928	4.947	VV	89603	866448	1.10%	0.026%
15	4.960	4.947	4.976	VV	128527	1604929	2.05%	0.048%
16	4.991	4.976	5.004	VV	119970	1611010	2.05%	0.048%
17	5.035	5.004	5.062	VV	186307	3689045	4.70%	0.110%
18	5.084	5.062	5.121	VV	172482	2605438	3.32%	0.078%
19	5.151	5.121	5.169	VV	70749	1212102	1.55%	0.036%
20	5.187	5.169	5.206	VV	99908	1406445	1.79%	0.042%
21	5.218	5.206	5.230	VV	55277	645898	0.82%	0.019%
22	5.250	5.230	5.264	VV	128515	1718765	2.19%	0.051%
23	5.280	5.264	5.304	VV	140480	1954960	2.49%	0.058%
24	5.328	5.304	5.340	VV	176665	2116615	2.70%	0.063%
25	5.357	5.340	5.375	VV	409900	4811769	6.13%	0.144%
26	5.391	5.375	5.429	VV	130941	2618669	3.34%	0.078%
27	5.458	5.429	5.469	VV	62709	1068075	1.36%	0.032%
28	5.490	5.469	5.504	VV	151022	2205286	2.81%	0.066%
29	5.514	5.504	5.525	VV	108452	1251490	1.60%	0.037%
30	5.555	5.525	5.569	VV	142021	2783350	3.55%	0.083%
31	5.585	5.569	5.601	VV	177509	2484090	3.17%	0.074%
32	5.619	5.601	5.642	VV	114055	2340972	2.98%	0.070%
33	5.650	5.642	5.665	VV	84268	983526	1.25%	0.029%
34	5.678	5.665	5.686	VV	72091	783617	1.00%	0.023%
35	5.705	5.686	5.714	VV	308934	3407131	4.34%	0.102%
36	5.723	5.714	5.746	VV	300445	3667040	4.68%	0.109%

rteres								
37	5.758	5.746	5.769	VV	80905	1023378	1.30%	0.031%
38	5.786	5.769	5.818	VV	97252	2130736	2.72%	0.064%
39	5.838	5.818	5.851	VV	95895	1463894	1.87%	0.044%
40	5.863	5.851	5.871	VV	90619	967806	1.23%	0.029%
41	5.895	5.871	5.925	VV	444857	8154187	10.40%	0.243%
42	5.934	5.925	5.951	VV	188088	2346816	2.99%	0.070%
43	5.974	5.951	5.984	VV	155388	2425907	3.09%	0.072%
44	6.018	5.984	6.044	VV	434729	10508236	13.40%	0.314%
45	6.056	6.044	6.067	VV	212669	2482105	3.16%	0.074%
46	6.078	6.067	6.089	VV	192814	2202845	2.81%	0.066%
47	6.095	6.089	6.110	VV	159620	1683616	2.15%	0.050%
48	6.125	6.110	6.130	VV	154776	1563893	1.99%	0.047%
49	6.142	6.130	6.166	VV	193533	2648762	3.38%	0.079%
50	6.191	6.166	6.209	VV	269748	3518754	4.49%	0.105%
51	6.243	6.209	6.261	VV	333759	5656737	7.21%	0.169%
52	6.276	6.261	6.284	VV	243629	2726941	3.48%	0.081%
53	6.295	6.284	6.300	VV	241902	2231765	2.85%	0.067%
54	6.316	6.300	6.330	VV	298574	4493878	5.73%	0.134%
55	6.339	6.330	6.358	VV	216145	2813059	3.59%	0.084%
56	6.384	6.358	6.403	VV	251170	5064009	6.46%	0.151%
57	6.426	6.403	6.457	VV	399543	9165601	11.69%	0.274%
58	6.468	6.457	6.494	VV	260018	4982052	6.35%	0.149%
59	6.509	6.494	6.522	VV	297714	3826677	4.88%	0.114%
60	6.551	6.522	6.596	VV	339519	12060016	15.38%	0.360%
61	6.615	6.596	6.637	VV	346669	6453340	8.23%	0.193%
62	6.661	6.637	6.679	VV	413413	7963859	10.15%	0.238%
63	6.687	6.679	6.702	VV	271128	3423426	4.36%	0.102%
64	6.711	6.702	6.722	VV	218322	2433377	3.10%	0.073%
65	6.742	6.722	6.792	VV	449063	11223914	14.31%	0.335%
66	6.829	6.792	6.842	VV	300768	6982915	8.90%	0.208%
67	6.866	6.842	6.878	VV	329485	6163128	7.86%	0.184%
68	6.900	6.878	6.920	VV	1001413	14902260	19.00%	0.445%
69	6.936	6.920	6.958	VV	534650	8817274	11.24%	0.263%
70	6.971	6.958	6.984	VV	328727	4257352	5.43%	0.127%
71	6.996	6.984	7.006	VV	271411	3419036	4.36%	0.102%
72	7.025	7.006	7.046	VV	529956	8766447	11.18%	0.262%
73	7.073	7.046	7.097	VV	617235	12237849	15.60%	0.365%
74	7.108	7.097	7.121	VV	332604	4246754	5.41%	0.127%
75	7.149	7.121	7.175	VV	656543	13130536	16.74%	0.392%
76	7.216	7.175	7.235	VV	372697	10579537	13.49%	0.316%
77	7.276	7.235	7.296	VV	589025	15758977	20.09%	0.470%
78	7.317	7.296	7.348	VV	746252	14285513	18.21%	0.426%
79	7.376	7.348	7.411	VV	920478	20180757	25.73%	0.602%
80	7.424	7.411	7.442	VV	393794	6237712	7.95%	0.186%
81	7.471	7.442	7.499	VV	1719770	28339554	36.13%	0.846%
82	7.517	7.499	7.546	VV	987146	16882305	21.52%	0.504%
83	7.568	7.546	7.585	VV	620956	10525215	13.42%	0.314%
84	7.595	7.585	7.605	VV	399350	4519485	5.76%	0.135%
85	7.616	7.605	7.628	VV	397163	5321524	6.78%	0.159%
86	7.669	7.628	7.683	VV	709369	17232229	21.97%	0.514%
87	7.690	7.683	7.715	VV	539855	8915800	11.37%	0.266%
88	7.743	7.715	7.770	VV	533215	15824824	20.18%	0.472%
89	7.779	7.770	7.797	VV	512694	7489649	9.55%	0.224%

rteres								
90	7.821	7.797	7.842	VV	455051	11674713	14.88%	0.348%
91	7.868	7.842	7.898	VV	1044504	22422352	28.59%	0.669%
92	7.917	7.898	7.938	VV	586243	10727767	13.68%	0.320%
93	7.958	7.938	7.970	VV	461921	7633199	9.73%	0.228%
94	7.985	7.970	7.996	VV	539022	7363130	9.39%	0.220%
95	8.009	7.996	8.014	VV	562147	5594120	7.13%	0.167%
96	8.035	8.014	8.051	VV	782764	14440403	18.41%	0.431%
97	8.063	8.051	8.098	VV	566544	13509374	17.22%	0.403%
98	8.127	8.098	8.145	VV	709383	15030009	19.16%	0.449%
99	8.163	8.145	8.174	VV	600204	9312920	11.87%	0.278%
100	8.178	8.174	8.196	VV	566525	6920858	8.82%	0.207%
101	8.222	8.196	8.241	VV	594464	13977276	17.82%	0.417%
102	8.278	8.241	8.294	VV	855520	20655570	26.34%	0.617%
103	8.309	8.294	8.355	VV	919215	25114868	32.02%	0.750%
104	8.405	8.355	8.433	VV	2258175	55071603	70.21%	1.644%
105	8.455	8.433	8.474	VV	682219	14674058	18.71%	0.438%
106	8.508	8.474	8.522	VV	1701895	33449377	42.65%	0.998%
107	8.535	8.522	8.551	VV	1539476	20051838	25.57%	0.598%
108	8.561	8.551	8.565	VV	771717	6437268	8.21%	0.192%
109	8.580	8.565	8.604	VV	912768	17845627	22.75%	0.533%
110	8.625	8.604	8.642	VV	861733	16974373	21.64%	0.507%
111	8.672	8.642	8.713	VV	1089403	35080504	44.73%	1.047%
112	8.746	8.713	8.764	VV	1518606	30004081	38.25%	0.896%
113	8.778	8.764	8.789	VV	889987	12498967	15.94%	0.373%
114	8.800	8.789	8.816	VV	857936	12450689	15.87%	0.372%
115	8.828	8.816	8.842	VV	744771	10689376	13.63%	0.319%
116	8.870	8.842	8.896	VV	729793	20859938	26.60%	0.623%
117	8.910	8.896	8.921	VV	609820	8428273	10.75%	0.252%
118	8.943	8.921	8.960	VV	955718	18503286	23.59%	0.552%
119	8.978	8.960	8.995	VV	976889	17746553	22.63%	0.530%
120	9.003	8.995	9.018	VV	758097	9830369	12.53%	0.293%
121	9.042	9.018	9.065	VV	1430291	27133698	34.59%	0.810%
122	9.133	9.065	9.165	VV	2521290	70330496	89.67%	2.099%
123	9.173	9.165	9.189	VV	720288	9444321	12.04%	0.282%
124	9.207	9.189	9.213	VV	836771	11120962	14.18%	0.332%
125	9.233	9.213	9.250	VV	1439942	24102693	30.73%	0.719%
126	9.266	9.250	9.288	VV	1104413	20939992	26.70%	0.625%
127	9.302	9.288	9.320	VV	833333	13925564	17.75%	0.416%
128	9.354	9.320	9.370	VV	1104752	26591350	33.90%	0.794%
129	9.406	9.370	9.423	VV	1444385	33674054	42.93%	1.005%
130	9.449	9.423	9.476	VV	1603143	32954192	42.02%	0.984%
131	9.496	9.476	9.523	VV	895124	21442353	27.34%	0.640%
132	9.562	9.523	9.579	VV	1261394	29681691	37.84%	0.886%
133	9.595	9.579	9.625	VV	1189981	23435135	29.88%	0.699%
134	9.643	9.625	9.657	VV	750326	13277247	16.93%	0.396%
135	9.700	9.657	9.727	VV	1419964	40179693	51.23%	1.199%
136	9.737	9.727	9.757	VV	770285	13491633	17.20%	0.403%
137	9.782	9.757	9.796	VV	1464796	24577275	31.34%	0.734%
138	9.806	9.796	9.832	VV	1099148	18966904	24.18%	0.566%
139	9.862	9.832	9.912	VV	1703082	48922737	62.38%	1.460%
140	9.953	9.912	9.971	VV	1144131	33690686	42.95%	1.006%
141	9.984	9.971	10.002	VV	1100188	17237637	21.98%	0.514%

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142	10.022	10.002	10.041	VV	784107	17620822	22.47%	0.526%
143	10.056	10.041	10.081	VV	776917	16488290	21.02%	0.492%
144	10.104	10.081	10.123	VV	992773	21442745	27.34%	0.640%
145	10.149	10.123	10.173	VV	1182128	30279162	38.61%	0.904%
146	10.192	10.173	10.237	VV	1381762	39624391	50.52%	1.183%
147	10.264	10.237	10.278	VV	853466	20159121	25.70%	0.602%
148	10.297	10.278	10.335	VV	933689	26650762	33.98%	0.795%
149	10.366	10.335	10.394	VV	976024	27756052	35.39%	0.828%
150	10.406	10.394	10.412	VV	739380	8116159	10.35%	0.242%
151	10.419	10.412	10.447	VV	752207	14405977	18.37%	0.430%
152	10.467	10.447	10.499	VV	775729	21722760	27.70%	0.648%
153	10.525	10.499	10.552	VV	1026068	26098372	33.27%	0.779%
154	10.591	10.552	10.615	VV	2394115	55176417	70.35%	1.647%
155	10.664	10.615	10.689	VV	1208763	43801482	55.85%	1.307%
156	10.710	10.689	10.757	VV	1265123	37784975	48.17%	1.128%
157	10.785	10.757	10.820	VV	951207	32028879	40.84%	0.956%
158	10.858	10.820	10.896	VV	1028932	41023432	52.30%	1.224%
159	10.931	10.896	10.944	VV	1042347	27527686	35.10%	0.822%
160	10.951	10.944	10.972	VV	1011912	15925770	20.30%	0.475%
161	11.019	10.972	11.041	VV	3487710	78432941	100.00%	2.341%
162	11.052	11.041	11.101	VV	957257	30054745	38.32%	0.897%
163	11.145	11.101	11.160	VV	794842	26642181	33.97%	0.795%
164	11.194	11.160	11.239	VV	1512101	46016473	58.67%	1.373%
165	11.265	11.239	11.300	VV	1108467	31791378	40.53%	0.949%
166	11.328	11.300	11.355	VV	1120048	28805688	36.73%	0.860%
167	11.365	11.355	11.383	VV	708803	11777163	15.02%	0.352%
168	11.406	11.383	11.430	VV	807857	20879639	26.62%	0.623%
169	11.465	11.430	11.472	VV	769190	18231444	23.24%	0.544%
170	11.497	11.472	11.520	VV	918369	23338875	29.76%	0.697%
171	11.543	11.520	11.567	VV	898714	23248289	29.64%	0.694%
172	11.582	11.567	11.606	VV	875832	19482341	24.84%	0.581%
173	11.635	11.606	11.653	VV	1041133	24845407	31.68%	0.742%
174	11.667	11.653	11.693	VV	868972	20037474	25.55%	0.598%
175	11.735	11.693	11.763	VV	2230632	56504740	72.04%	1.686%
176	11.785	11.763	11.810	VV	779777	20114176	25.65%	0.600%
177	11.838	11.810	11.863	VV	857386	22981140	29.30%	0.686%
178	11.904	11.863	11.912	VV	728343	20594457	26.26%	0.615%
179	11.930	11.912	11.962	VV	739009	21259852	27.11%	0.635%
180	11.995	11.962	12.007	VV	914565	20987016	26.76%	0.626%
181	12.026	12.007	12.062	VV	1073487	26801554	34.17%	0.800%
182	12.107	12.062	12.119	VV	688725	21986650	28.03%	0.656%
183	12.143	12.119	12.162	VV	859164	19878839	25.35%	0.593%
184	12.172	12.162	12.226	VV	800619	26573538	33.88%	0.793%
185	12.243	12.226	12.261	VV	614374	12315246	15.70%	0.368%
186	12.291	12.261	12.317	VV	1071251	27679699	35.29%	0.826%
187	12.330	12.317	12.365	VV	720070	18893394	24.09%	0.564%
188	12.391	12.365	12.402	VV	643815	13727566	17.50%	0.410%
189	12.409	12.402	12.428	VV	643600	9642030	12.29%	0.288%
190	12.440	12.428	12.483	VV	617164	18860298	24.05%	0.563%
191	12.510	12.483	12.521	VV	634678	13093373	16.69%	0.391%
192	12.584	12.521	12.604	VV	1115990	40029113	51.04%	1.195%
193	12.622	12.604	12.641	VV	578082	11984228	15.28%	0.358%
194	12.656	12.641	12.670	VV	595319	9870417	12.58%	0.295%

rteres								
195	12.687	12.670	12.702	VV	607110	10919767	13.92%	0.326%
196	12.715	12.702	12.723	VV	590100	7310389	9.32%	0.218%
197	12.731	12.723	12.756	VV	589132	10615978	13.54%	0.317%
198	12.786	12.756	12.837	VV	683026	26703061	34.05%	0.797%
199	12.860	12.837	12.873	VV	593723	11493541	14.65%	0.343%
200	12.895	12.873	12.913	VV	781379	15874335	20.24%	0.474%
201	12.937	12.913	12.984	VV	865350	26407746	33.67%	0.788%
202	13.009	12.984	13.046	VV	826971	21294543	27.15%	0.636%
203	13.080	13.046	13.109	VV	426167	15258630	19.45%	0.455%
204	13.129	13.109	13.171	VV	430156	14399142	18.36%	0.430%
205	13.194	13.171	13.206	VV	390497	7817101	9.97%	0.233%
206	13.214	13.206	13.233	VV	392396	6132556	7.82%	0.183%
207	13.255	13.233	13.278	VV	387237	9783433	12.47%	0.292%
208	13.303	13.278	13.340	VV	610607	15861477	20.22%	0.473%
209	13.356	13.340	13.379	VV	362422	7908224	10.08%	0.236%
210	13.389	13.379	13.406	VV	359474	5796539	7.39%	0.173%
211	13.432	13.406	13.462	VV	498791	13435996	17.13%	0.401%
212	13.481	13.462	13.497	VV	346585	7129128	9.09%	0.213%
213	13.503	13.497	13.529	VV	313231	5443233	6.94%	0.162%
214	13.587	13.529	13.610	VV	364492	15314755	19.53%	0.457%
215	13.630	13.610	13.675	VV	387426	11747889	14.98%	0.351%
216	13.692	13.675	13.705	VV	289478	4797923	6.12%	0.143%
217	13.720	13.705	13.742	VV	292844	5816356	7.42%	0.174%
218	13.794	13.742	13.836	VV	680881	21547854	27.47%	0.643%
219	13.851	13.836	13.862	VV	241765	3801413	4.85%	0.113%
220	13.882	13.862	13.915	VV	284363	7613954	9.71%	0.227%
221	13.927	13.915	13.941	VV	201336	3062620	3.90%	0.091%
222	13.957	13.941	13.968	VV	210248	3262850	4.16%	0.097%
223	13.989	13.968	14.010	VV	265102	5813271	7.41%	0.174%
224	14.033	14.010	14.095	VV	260975	10767080	13.73%	0.321%
225	14.128	14.095	14.150	VV	386133	8482811	10.82%	0.253%
226	14.157	14.150	14.177	VV	208089	3039334	3.88%	0.091%
227	14.199	14.177	14.232	VV	187799	5640632	7.19%	0.168%
228	14.268	14.232	14.300	VV	157212	5942203	7.58%	0.177%
229	14.311	14.300	14.317	VV	125613	1234974	1.57%	0.037%
230	14.361	14.317	14.400	VV	189790	7471517	9.53%	0.223%
231	14.431	14.400	14.470	VV	138908	5211322	6.64%	0.156%
232	14.500	14.470	14.532	VV	142292	4609540	5.88%	0.138%
233	14.538	14.532	14.559	VV	120210	1864173	2.38%	0.056%
234	14.563	14.559	14.567	VV	110986	563809	0.72%	0.017%
235	14.592	14.567	14.627	VV	119718	3965027	5.06%	0.118%
236	14.642	14.627	14.663	VV	106692	2111114	2.69%	0.063%
237	14.688	14.663	14.705	VV	104309	2410348	3.07%	0.072%
238	14.711	14.705	14.729	VV	100828	1381642	1.76%	0.041%
239	14.755	14.729	14.775	VV	107682	2686043	3.42%	0.080%
240	14.794	14.775	14.799	VV	110611	1459374	1.86%	0.044%
241	14.813	14.799	14.839	VV	127180	2663928	3.40%	0.080%
242	14.853	14.839	14.872	VV	107520	1798013	2.29%	0.054%
243	14.887	14.872	14.910	VV	83378	1718727	2.19%	0.051%
244	14.942	14.910	14.959	VV	83358	2265255	2.89%	0.068%
245	14.969	14.959	14.996	VV	86224	1676267	2.14%	0.050%
246	15.022	14.996	15.052	VV	160671	3434777	4.38%	0.103%

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247	15.057	15.052	15.063	VV	59469	372412	0.47%	0.011%
248	15.070	15.063	15.077	VV	57977	493410	0.63%	0.015%
249	15.078	15.077	15.093	VV	57258	507795	0.65%	0.015%
250	15.118	15.093	15.136	VV	70430	1565838	2.00%	0.047%
251	15.160	15.136	15.181	VV	141775	2446094	3.12%	0.073%
252	15.227	15.181	15.270	VV	259681	6296886	8.03%	0.188%
253	15.288	15.270	15.297	VV	56211	859511	1.10%	0.026%
254	15.314	15.297	15.347	VV	66070	1671959	2.13%	0.050%
255	15.365	15.347	15.416	VV	69652	2072302	2.64%	0.062%
256	15.425	15.416	15.429	VV	35449	260071	0.33%	0.008%
257	15.433	15.429	15.440	VV	36114	226332	0.29%	0.007%
258	15.470	15.440	15.501	VV	55290	1686938	2.15%	0.050%
259	15.508	15.501	15.530	VV	44669	655725	0.84%	0.020%
260	15.566	15.530	15.570	VV	36312	777602	0.99%	0.023%
261	15.602	15.570	15.640	VV	64849	1704234	2.17%	0.051%
262	15.657	15.640	15.662	VV	35721	428077	0.55%	0.013%
263	15.668	15.662	15.721	VV	35288	903785	1.15%	0.027%
264	15.776	15.721	15.814	VV	51037	2229112	2.84%	0.067%
265	15.833	15.814	15.857	VV	53951	904261	1.15%	0.027%
266	15.876	15.857	15.904	VV	26752	614942	0.78%	0.018%
267	15.915	15.904	15.922	VV	20621	192127	0.24%	0.006%
268	15.938	15.922	15.948	VV	20834	296298	0.38%	0.009%
269	15.992	15.948	16.027	VV	40298	1330573	1.70%	0.040%
270	16.058	16.027	16.117	VV	45284	1499451	1.91%	0.045%
271	16.121	16.117	16.125	VV	16491	74798	0.10%	0.002%
272	16.133	16.125	16.146	VV	18984	209212	0.27%	0.006%
273	16.157	16.146	16.180	VV	17618	263711	0.34%	0.008%
274	16.194	16.180	16.205	VV	14409	184311	0.23%	0.006%
275	16.247	16.205	16.278	VV	221640	3441284	4.39%	0.103%
276	16.283	16.278	16.323	VV	32204	571819	0.73%	0.017%
277	16.337	16.323	16.359	VV	10560	180495	0.23%	0.005%
278	16.368	16.359	16.374	VV	4036	27196	0.03%	0.001%
279	16.444	16.374	16.485	PV	30206	1118051	1.43%	0.033%
280	16.491	16.485	16.512	VV	20031	258495	0.33%	0.008%
281	16.559	16.512	16.563	VV	40653	812627	1.04%	0.024%
282	16.567	16.563	16.594	VV	39148	548818	0.70%	0.016%
283	16.616	16.594	16.659	VV	29887	822988	1.05%	0.025%
284	16.717	16.659	16.737	VV	91726	1792885	2.29%	0.054%
285	16.741	16.737	16.760	VV	48799	445551	0.57%	0.013%
286	16.770	16.760	16.784	VV	12068	134763	0.17%	0.004%
287	16.789	16.784	16.808	VV	6666	77364	0.10%	0.002%
288	16.846	16.808	16.867	VV	27985	547637	0.70%	0.016%
289	16.888	16.867	16.892	VV	18958	222184	0.28%	0.007%
290	16.899	16.892	16.910	VV	20888	205165	0.26%	0.006%
291	16.922	16.910	16.927	VV	22390	207840	0.26%	0.006%
292	16.951	16.927	16.984	VV	36484	958918	1.22%	0.029%
293	17.036	16.984	17.067	VV	65628	1861798	2.37%	0.056%
294	17.093	17.067	17.124	VV	69387	1130479	1.44%	0.034%
295	17.130	17.124	17.134	VV	3494	14452	0.02%	0.000%
296	17.150	17.134	17.158	PV	8824	72720	0.09%	0.002%
297	17.196	17.158	17.245	VV	218342	3649642	4.65%	0.109%
298	17.251	17.245	17.281	VV	13758	164053	0.21%	0.005%

Sum of corrected areas: 3350437958

rteres

FF102124.M Fri Oct 25 05:03:14 2024

Report of Analysis

Client:	ENTACT	Date Collected:	10/23/24
Project:	North Point	Date Received:	10/23/24
Client Sample ID:	EX-5-TPH-1MSD	SDG No.:	P4518
Lab Sample ID:	P4518-01MSD	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	78.5
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Final Vol:	1
GPC Factor :		PH :	
Prep Method :	SW3541	Decanted:	
		Test:	Diesel Range Organics
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF014767.D	1	10/24/24 11:10	10/24/24 20:27	PB164381

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	917000	E	235	2120	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	10.7		37 - 130	53%	SPK: 20

Comments:

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 P = Indicates >25% difference for detected concentrations between the two GC columns
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance 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
 S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
 () = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102424\
 Data File : FF014767.D
 Signal(s) : FID2B.ch
 Acq On : 24 Oct 2024 20:27
 Operator : YP\AJ
 Sample : P4518-01MSD
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Integration File: Sample.e
 Quant Time: Oct 25 04:37:37 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
 Quant Title :
 QLast Update : Tue Oct 22 08:35:55 2024
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1uL
 Signal Phase : Rxi-1ms
 Signal Info : 20mx0.18mmx0.18um

Compound		R.T.	Response	Conc Units

System Monitoring Compounds				
9) S	TETRACOSANE-d50 (SURR...	15.021	1401074	10.646 ug/mlm
Target Compounds				
1)	N-OCTANE	2.047	2061849	14.819 ug/ml
2)	N-DECANE	4.573	3316882	23.219 ug/ml
3)	N-DODECANE	6.743	3375694	23.262 ug/mlm
4)	N-TETRADECANE	8.534	10809406	73.741 ug/mlm
5)	N-HEXADECANE	10.147	11580236	78.803 ug/mlm
6)	N-OCTADECANE	11.585	3575020	23.813 ug/mlm
7)	N-EICOSANE	12.893	5329180	35.129 ug/mlm
8)	N-DOCOSANE	14.128	2922942	19.864 ug/mlm
10)	N-TETRACOSANE	15.205	830530	5.651 ug/mlm
11)	N-HEXACOSANE	16.248	2895519	19.824 ug/mlm
12)	N-OCTACOSANE	17.197	3430944	23.745 ug/mlm
13)	N-TRIACONTANE	18.084	2946260	20.126 ug/mlm
14)	N-DOTRIACONTANE	18.915	2063295	14.342 ug/mlm
15)	N-TETRATRIACONTANE	19.697	1696180	12.368 ug/mlm
16)	N-HEXATRIACONTANE	20.432	855753	6.596 ug/mlm
17)	N-OCTATRIACONTANE	21.169	884924	7.694 ug/mlm
18)	N-TETRACONTANE	22.078	904036	8.610 ug/ml

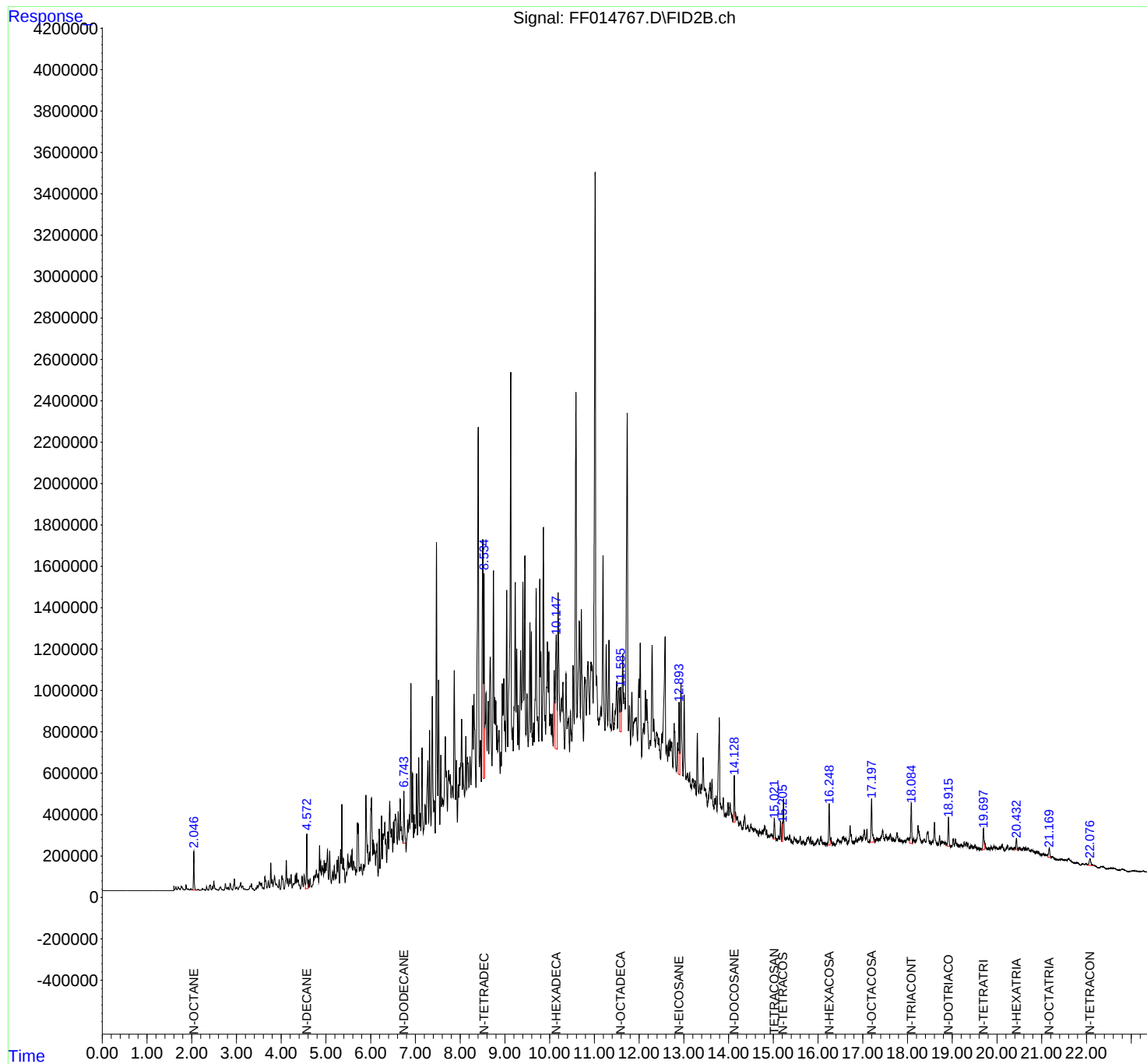
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102424\
Data File : FF014767.D
Signal(s) : FID2B.ch
Acq On : 24 Oct 2024 20:27
Operator : YP\AJ
Sample : P4518-01MSD
Misc :
ALS Vial : 64 Sample Multiplier: 1

Integration File: Sample.e
Quant Time: Oct 25 04:37:37 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Quant Title :
QLast Update : Tue Oct 22 08:35:55 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102424\
Data File : FF014767.D
Signal(s) : FID2B.ch
Acq On : 24 Oct 2024 20:27
Sample : P4518-01MSD
Misc :
ALS Vial : 64 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102124.M
Title :

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.513	4.500	4.540	BV	48677	595836	0.80%	0.019%
2	4.573	4.540	4.595	VV	253712	2907555	3.92%	0.092%
3	4.607	4.595	4.625	VV	33794	331022	0.45%	0.010%
4	4.645	4.625	4.669	PV	40025	495744	0.67%	0.016%
5	4.678	4.669	4.687	VV	3676	29328	0.04%	0.001%
6	4.703	4.687	4.708	VV	11820	97456	0.13%	0.003%
7	4.726	4.708	4.736	VV	50232	555373	0.75%	0.018%
8	4.753	4.736	4.769	VV	57916	989469	1.33%	0.031%
9	4.785	4.769	4.810	VV	80863	1486389	2.00%	0.047%
10	4.824	4.810	4.839	VV	61155	828112	1.12%	0.026%
11	4.857	4.839	4.871	VV	198257	2181378	2.94%	0.069%
12	4.882	4.871	4.899	VV	122030	1530468	2.06%	0.048%
13	4.917	4.899	4.929	VV	100893	1491950	2.01%	0.047%
14	4.934	4.929	4.947	VV	84887	762015	1.03%	0.024%
15	4.960	4.947	4.976	VV	124810	1545935	2.08%	0.049%
16	4.991	4.976	5.004	VV	112580	1526429	2.06%	0.048%
17	5.035	5.004	5.061	VV	175323	3495406	4.71%	0.110%
18	5.084	5.061	5.121	VV	168011	2502390	3.37%	0.079%
19	5.151	5.121	5.168	VV	67207	1150831	1.55%	0.036%
20	5.187	5.168	5.206	VV	94843	1332866	1.80%	0.042%
21	5.218	5.206	5.230	VV	51445	608606	0.82%	0.019%
22	5.250	5.230	5.264	VV	121842	1628781	2.20%	0.051%
23	5.279	5.264	5.304	VV	137444	1874995	2.53%	0.059%
24	5.328	5.304	5.340	VV	171979	2021522	2.72%	0.064%
25	5.357	5.340	5.375	VV	388653	4575047	6.17%	0.144%
26	5.391	5.375	5.429	VV	125843	2491256	3.36%	0.079%
27	5.458	5.429	5.469	VV	59805	1033627	1.39%	0.033%
28	5.490	5.469	5.504	VV	143895	2086478	2.81%	0.066%
29	5.513	5.504	5.524	VV	102693	1121962	1.51%	0.035%
30	5.532	5.524	5.536	VV	86162	612639	0.83%	0.019%
31	5.555	5.536	5.569	VV	134760	2094405	2.82%	0.066%
32	5.585	5.569	5.601	VV	165966	2354512	3.17%	0.074%
33	5.616	5.601	5.641	VV	108707	2214198	2.98%	0.070%
34	5.650	5.641	5.665	VV	80665	943893	1.27%	0.030%
35	5.678	5.665	5.686	VV	67591	738914	1.00%	0.023%
36	5.705	5.686	5.714	VV	294430	3245650	4.37%	0.102%

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37	5.723	5.714	5.746	VV	286373	3491383	4.71%	0.110%
38	5.758	5.746	5.770	VV	76480	974810	1.31%	0.031%
39	5.786	5.770	5.818	VV	92432	2020440	2.72%	0.064%
40	5.838	5.818	5.851	VV	91563	1379142	1.86%	0.043%
41	5.863	5.851	5.871	VV	86061	905813	1.22%	0.029%
42	5.895	5.871	5.924	VV	424465	7735097	10.42%	0.244%
43	5.934	5.924	5.952	VV	181740	2305798	3.11%	0.073%
44	5.974	5.952	5.984	VV	148164	2262107	3.05%	0.071%
45	6.019	5.984	6.044	VV	407209	9999215	13.48%	0.315%
46	6.056	6.044	6.067	VV	205649	2349938	3.17%	0.074%
47	6.077	6.067	6.089	VV	179850	2083221	2.81%	0.066%
48	6.095	6.089	6.110	VV	152634	1615130	2.18%	0.051%
49	6.125	6.110	6.131	VV	146746	1563128	2.11%	0.049%
50	6.142	6.131	6.166	VV	184316	2422499	3.26%	0.076%
51	6.192	6.166	6.209	VV	256328	3330665	4.49%	0.105%
52	6.244	6.209	6.261	VV	317963	5378157	7.25%	0.169%
53	6.276	6.261	6.285	VV	230373	2621028	3.53%	0.083%
54	6.295	6.285	6.301	VV	229460	2101850	2.83%	0.066%
55	6.316	6.301	6.330	VV	284413	4236919	5.71%	0.134%
56	6.339	6.330	6.358	VV	204525	2692856	3.63%	0.085%
57	6.384	6.358	6.403	VV	239538	4793931	6.46%	0.151%
58	6.426	6.403	6.457	VV	384255	8731164	11.77%	0.275%
59	6.469	6.457	6.493	VV	251190	4713638	6.35%	0.149%
60	6.509	6.493	6.522	VV	282929	3681339	4.96%	0.116%
61	6.552	6.522	6.561	VV	320490	6498945	8.76%	0.205%
62	6.566	6.561	6.595	VV	296826	4847851	6.53%	0.153%
63	6.615	6.595	6.639	VV	332458	6474636	8.73%	0.204%
64	6.661	6.639	6.679	VV	390552	7216797	9.73%	0.227%
65	6.686	6.679	6.703	VV	257626	3327836	4.48%	0.105%
66	6.711	6.703	6.722	VV	206351	2284126	3.08%	0.072%
67	6.743	6.722	6.791	VV	428956	10654764	14.36%	0.336%
68	6.829	6.791	6.842	VV	286739	6599865	8.89%	0.208%
69	6.866	6.842	6.877	VV	311279	5856590	7.89%	0.185%
70	6.899	6.877	6.920	VV	946339	14169179	19.10%	0.447%
71	6.936	6.920	6.958	VV	511669	8381216	11.30%	0.264%
72	6.971	6.958	6.983	VV	311715	4003174	5.40%	0.126%
73	6.995	6.983	7.006	VV	261567	3452933	4.65%	0.109%
74	7.025	7.006	7.046	VV	508801	8120389	10.94%	0.256%
75	7.073	7.046	7.097	VV	585074	11673061	15.73%	0.368%
76	7.107	7.097	7.121	VV	316540	3990166	5.38%	0.126%
77	7.149	7.121	7.175	VV	629773	12575125	16.95%	0.396%
78	7.215	7.175	7.235	VV	353770	9943988	13.40%	0.313%
79	7.276	7.235	7.296	VV	565308	14896608	20.08%	0.469%
80	7.316	7.296	7.348	VV	712325	13662680	18.41%	0.431%
81	7.376	7.348	7.410	VV	876356	19009041	25.62%	0.599%
82	7.423	7.410	7.442	VV	370460	6001310	8.09%	0.189%
83	7.471	7.442	7.499	VV	1617872	26997109	36.38%	0.851%
84	7.517	7.499	7.545	VV	948414	15929906	21.47%	0.502%
85	7.568	7.545	7.585	VV	589575	10088506	13.60%	0.318%
86	7.595	7.585	7.605	VV	374460	4444708	5.99%	0.140%
87	7.615	7.605	7.627	VV	369538	4642837	6.26%	0.146%
88	7.668	7.627	7.682	VV	675610	16484012	22.22%	0.519%
89	7.691	7.682	7.715	VV	507539	8516639	11.48%	0.268%

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90	7.742	7.715	7.769	VV	511895	14724030	19.84%	0.464%
91	7.778	7.769	7.796	VV	491289	7202609	9.71%	0.227%
92	7.817	7.796	7.821	VV	431083	5986815	8.07%	0.189%
93	7.825	7.821	7.842	VV	430604	5158563	6.95%	0.163%
94	7.868	7.842	7.897	VV	991885	21247324	28.63%	0.670%
95	7.917	7.897	7.938	VV	556525	10330277	13.92%	0.326%
96	7.958	7.938	7.971	VV	439358	7363091	9.92%	0.232%
97	7.985	7.971	7.996	VV	520897	6883279	9.28%	0.217%
98	8.009	7.996	8.015	VV	541537	5684592	7.66%	0.179%
99	8.033	8.015	8.050	VV	754629	13128350	17.69%	0.414%
100	8.063	8.050	8.098	VV	542535	13016048	17.54%	0.410%
101	8.127	8.098	8.145	VV	669536	14170077	19.10%	0.447%
102	8.163	8.145	8.195	VV	567055	15272093	20.58%	0.481%
103	8.221	8.195	8.241	VV	569974	13336840	17.97%	0.420%
104	8.277	8.241	8.293	VV	815824	19460860	26.23%	0.613%
105	8.309	8.293	8.354	VV	870260	24041232	32.40%	0.758%
106	8.404	8.354	8.432	VV	2156644	52116162	70.24%	1.642%
107	8.454	8.432	8.473	VV	643409	14000789	18.87%	0.441%
108	8.506	8.473	8.521	VV	1603615	31671118	42.68%	0.998%
109	8.534	8.521	8.550	VV	1447847	19062665	25.69%	0.601%
110	8.560	8.550	8.564	VV	732768	6121749	8.25%	0.193%
111	8.579	8.564	8.604	VV	869357	17574137	23.68%	0.554%
112	8.625	8.604	8.641	VV	830813	15624464	21.06%	0.492%
113	8.672	8.641	8.712	VV	1040859	33411512	45.03%	1.053%
114	8.745	8.712	8.763	VV	1459560	28137357	37.92%	0.887%
115	8.777	8.763	8.788	VV	843126	12146684	16.37%	0.383%
116	8.799	8.788	8.815	VV	829037	11758529	15.85%	0.371%
117	8.828	8.815	8.842	VV	708973	10316901	13.90%	0.325%
118	8.869	8.842	8.895	VV	685188	19589459	26.40%	0.617%
119	8.910	8.895	8.921	VV	579545	8361446	11.27%	0.264%
120	8.942	8.921	8.957	VV	909188	15807761	21.30%	0.498%
121	8.976	8.957	8.993	VV	932076	17986129	24.24%	0.567%
122	9.002	8.993	9.018	VV	727524	9744692	13.13%	0.307%
123	9.041	9.018	9.064	VV	1360229	25492577	34.36%	0.803%
124	9.131	9.064	9.163	VV	2409734	66351933	89.42%	2.091%
125	9.173	9.163	9.188	VV	689624	9370629	12.63%	0.295%
126	9.206	9.188	9.213	VV	794801	11106382	14.97%	0.350%
127	9.232	9.213	9.249	VV	1394396	22574820	30.42%	0.711%
128	9.265	9.249	9.287	VV	1072376	19907469	26.83%	0.627%
129	9.301	9.287	9.318	VV	796557	12864795	17.34%	0.405%
130	9.353	9.318	9.369	VV	1062311	25371116	34.19%	0.800%
131	9.404	9.369	9.421	VV	1392296	31406834	42.33%	0.990%
132	9.448	9.421	9.467	VV	1518728	28742027	38.74%	0.906%
133	9.495	9.467	9.521	VV	851058	23247835	31.33%	0.733%
134	9.561	9.521	9.578	VV	1193899	28335762	38.19%	0.893%
135	9.594	9.578	9.608	VV	1149065	16203853	21.84%	0.511%
136	9.613	9.608	9.624	VV	656605	5862184	7.90%	0.185%
137	9.640	9.624	9.656	VV	706771	12920934	17.41%	0.407%
138	9.699	9.656	9.726	VV	1355741	38103225	51.35%	1.201%
139	9.737	9.726	9.757	VV	733846	12818888	17.28%	0.404%
140	9.780	9.757	9.796	VV	1402001	23585256	31.79%	0.743%
141	9.805	9.796	9.830	VV	1049099	17455251	23.52%	0.550%

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142	9.861	9.830	9.892	VV	1648150	38452558	51.82%	1.212%
143	9.899	9.892	9.912	VV	740692	8438396	11.37%	0.266%
144	9.951	9.912	9.971	VV	1093897	31967554	43.08%	1.007%
145	9.984	9.971	10.003	VV	1043241	16710337	22.52%	0.527%
146	10.020	10.003	10.040	VV	743201	15868346	21.39%	0.500%
147	10.056	10.040	10.083	VV	741358	16858372	22.72%	0.531%
148	10.103	10.083	10.121	VV	952935	19268252	25.97%	0.607%
149	10.147	10.121	10.171	VV	1125174	28548536	38.47%	0.900%
150	10.190	10.171	10.239	VV	1327276	38874548	52.39%	1.225%
151	10.262	10.239	10.278	VV	812155	18460646	24.88%	0.582%
152	10.297	10.278	10.332	VV	893974	24082822	32.46%	0.759%
153	10.366	10.332	10.391	VV	927527	26210586	35.32%	0.826%
154	10.421	10.391	10.445	VV	716444	21757182	29.32%	0.686%
155	10.466	10.445	10.500	VV	748083	21648290	29.17%	0.682%
156	10.524	10.500	10.550	VV	969909	23697385	31.94%	0.747%
157	10.589	10.550	10.614	VV	2286818	52628839	70.93%	1.659%
158	10.663	10.614	10.689	VV	1180841	41666683	56.15%	1.313%
159	10.709	10.689	10.756	VV	1235356	35745528	48.17%	1.127%
160	10.783	10.756	10.794	VV	908922	17911832	24.14%	0.564%
161	10.798	10.794	10.820	VV	897230	12788637	17.24%	0.403%
162	10.857	10.820	10.895	VV	983665	38571207	51.98%	1.216%
163	10.927	10.895	10.944	VV	975921	26753498	36.06%	0.843%
164	10.952	10.944	10.971	VV	960877	14632304	19.72%	0.461%
165	11.018	10.971	11.040	VV	3337044	74201538	100.00%	2.338%
166	11.052	11.040	11.100	VV	908450	28490778	38.40%	0.898%
167	11.117	11.100	11.122	VV	704933	8859294	11.94%	0.279%
168	11.146	11.122	11.161	VV	755699	17047784	22.97%	0.537%
169	11.193	11.161	11.237	VV	1490606	42589529	57.40%	1.342%
170	11.264	11.237	11.299	VV	1058207	30383329	40.95%	0.958%
171	11.326	11.299	11.355	VV	1079833	28215005	38.02%	0.889%
172	11.364	11.355	11.381	VV	671379	10133061	13.66%	0.319%
173	11.407	11.381	11.432	VV	772184	21114868	28.46%	0.665%
174	11.468	11.432	11.473	VV	736009	17160268	23.13%	0.541%
175	11.498	11.473	11.518	VV	877397	21160930	28.52%	0.667%
176	11.548	11.518	11.566	VV	844331	22259389	30.00%	0.702%
177	11.584	11.566	11.607	VV	844536	18885741	25.45%	0.595%
178	11.634	11.607	11.651	VV	1004892	23026078	31.03%	0.726%
179	11.664	11.651	11.691	VV	819604	18590785	25.05%	0.586%
180	11.734	11.691	11.761	VV	2154635	53878068	72.61%	1.698%
181	11.784	11.761	11.810	VV	754528	19607109	26.42%	0.618%
182	11.839	11.810	11.861	VV	817390	21234918	28.62%	0.669%
183	11.880	11.861	11.887	VV	672564	10116720	13.63%	0.319%
184	11.899	11.887	11.906	VV	681835	7650635	10.31%	0.241%
185	11.912	11.906	11.921	VV	687691	6335797	8.54%	0.200%
186	11.937	11.921	11.963	VV	695820	16426297	22.14%	0.518%
187	11.994	11.963	12.007	VV	876766	20095404	27.08%	0.633%
188	12.025	12.007	12.057	VV	1050360	23710782	31.95%	0.747%
189	12.086	12.057	12.092	VV	630197	12190105	16.43%	0.384%
190	12.105	12.092	12.119	VV	662157	10149893	13.68%	0.320%
191	12.141	12.119	12.159	VV	821450	17688831	23.84%	0.557%
192	12.175	12.159	12.221	VV	779428	24612564	33.17%	0.776%
193	12.245	12.221	12.260	VV	577211	13040541	17.57%	0.411%
194	12.291	12.260	12.315	VV	1037117	25854928	34.84%	0.815%

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195	12.329	12.315	12.363	VV	680471	18065691	24.35%	0.569%
196	12.394	12.363	12.429	VV	613330	23068108	31.09%	0.727%
197	12.440	12.429	12.483	VV	584243	17203938	23.19%	0.542%
198	12.508	12.483	12.522	VV	606283	13266629	17.88%	0.418%
199	12.582	12.522	12.602	VV	1069238	36629800	49.37%	1.154%
200	12.622	12.602	12.638	VV	544450	11317728	15.25%	0.357%
201	12.655	12.638	12.669	VV	559786	9625507	12.97%	0.303%
202	12.686	12.669	12.703	VV	572421	10994750	14.82%	0.346%
203	12.713	12.703	12.722	VV	558288	6135131	8.27%	0.193%
204	12.731	12.722	12.758	VV	561672	10893267	14.68%	0.343%
205	12.784	12.758	12.835	VV	648351	24408033	32.89%	0.769%
206	12.861	12.835	12.872	VV	556416	11006786	14.83%	0.347%
207	12.894	12.872	12.913	VV	750834	15128280	20.39%	0.477%
208	12.937	12.913	12.983	VV	845794	25064647	33.78%	0.790%
209	13.008	12.983	13.050	VV	785935	21181049	28.55%	0.668%
210	13.059	13.050	13.063	VV	389037	2957519	3.99%	0.093%
211	13.081	13.063	13.117	VV	406219	12296015	16.57%	0.388%
212	13.130	13.117	13.154	VV	406761	8322620	11.22%	0.262%
213	13.160	13.154	13.175	VV	348627	4294469	5.79%	0.135%
214	13.197	13.175	13.204	VV	373344	6209365	8.37%	0.196%
215	13.214	13.204	13.232	VV	371351	6136615	8.27%	0.193%
216	13.255	13.232	13.276	VV	366491	8907164	12.00%	0.281%
217	13.303	13.276	13.338	VV	594384	15057411	20.29%	0.475%
218	13.354	13.338	13.379	VV	343934	7840942	10.57%	0.247%
219	13.392	13.379	13.406	VV	346533	5466936	7.37%	0.172%
220	13.432	13.406	13.457	VV	474664	11732980	15.81%	0.370%
221	13.462	13.457	13.466	VV	321273	1749633	2.36%	0.055%
222	13.471	13.466	13.477	VV	324710	2180186	2.94%	0.069%
223	13.478	13.477	13.501	VV	324294	4442157	5.99%	0.140%
224	13.507	13.501	13.529	VV	295407	4380295	5.90%	0.138%
225	13.587	13.529	13.609	VV	349685	14248285	19.20%	0.449%
226	13.630	13.609	13.673	VV	364868	10902228	14.69%	0.344%
227	13.692	13.673	13.707	VV	273239	5169923	6.97%	0.163%
228	13.722	13.707	13.741	VV	282864	5227913	7.05%	0.165%
229	13.793	13.741	13.840	VV	659679	21064445	28.39%	0.664%
230	13.848	13.840	13.852	VV	225513	1610923	2.17%	0.051%
231	13.856	13.852	13.862	VV	226499	1278369	1.72%	0.040%
232	13.882	13.862	13.907	VV	272984	6360359	8.57%	0.200%
233	13.926	13.907	13.940	VV	190815	3615413	4.87%	0.114%
234	13.959	13.940	13.965	VV	194745	2819623	3.80%	0.089%
235	13.988	13.965	14.009	VV	248387	5685595	7.66%	0.179%
236	14.033	14.009	14.099	VV	244764	10537269	14.20%	0.332%
237	14.128	14.099	14.149	VV	376087	7501714	10.11%	0.236%
238	14.157	14.149	14.175	VV	195610	2834003	3.82%	0.089%
239	14.198	14.175	14.235	VV	173802	5731312	7.72%	0.181%
240	14.257	14.235	14.300	VV	149269	5321078	7.17%	0.168%
241	14.307	14.300	14.320	VV	117885	1352525	1.82%	0.043%
242	14.358	14.320	14.394	VV	175959	6362943	8.58%	0.201%
243	14.429	14.394	14.472	VV	127770	5399258	7.28%	0.170%
244	14.498	14.472	14.542	VV	133891	4849807	6.54%	0.153%
245	14.546	14.542	14.567	VV	111900	1532650	2.07%	0.048%
246	14.594	14.567	14.600	VV	109837	2138914	2.88%	0.067%

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247	14.607	14.600	14.627	VV	108442	1610948	2.17%	0.051%
248	14.642	14.627	14.664	VV	100454	1981374	2.67%	0.062%
249	14.689	14.664	14.706	VV	101197	2266046	3.05%	0.071%
250	14.715	14.706	14.730	VV	93771	1275324	1.72%	0.040%
251	14.754	14.730	14.770	VV	98445	2146447	2.89%	0.068%
252	14.813	14.770	14.839	VV	118908	4103862	5.53%	0.129%
253	14.852	14.839	14.876	VV	100274	1814561	2.45%	0.057%
254	14.886	14.876	14.892	VV	72643	658652	0.89%	0.021%
255	14.898	14.892	14.914	VV	72889	918555	1.24%	0.029%
256	14.947	14.914	14.952	VV	76390	1629629	2.20%	0.051%
257	14.955	14.952	14.961	VV	75573	388834	0.52%	0.012%
258	14.973	14.961	14.997	VV	76914	1474312	1.99%	0.046%
259	15.022	14.997	15.071	VV	151202	3745300	5.05%	0.118%
260	15.075	15.071	15.090	VV	51689	570258	0.77%	0.018%
261	15.117	15.090	15.134	VV	65089	1440694	1.94%	0.045%
262	15.161	15.134	15.181	VV	135192	2337363	3.15%	0.074%
263	15.227	15.181	15.275	VV	243942	5987032	8.07%	0.189%
264	15.283	15.275	15.288	VV	50239	374864	0.51%	0.012%
265	15.315	15.288	15.346	VV	57350	1760060	2.37%	0.055%
266	15.365	15.346	15.415	VV	65519	1880771	2.53%	0.059%
267	15.423	15.415	15.429	VV	30737	244296	0.33%	0.008%
268	15.435	15.429	15.440	VV	29744	200625	0.27%	0.006%
269	15.471	15.440	15.500	VV	52275	1464849	1.97%	0.046%
270	15.505	15.500	15.530	VV	39671	611540	0.82%	0.019%
271	15.541	15.530	15.549	VV	31803	334977	0.45%	0.011%
272	15.554	15.549	15.563	VV	31016	243124	0.33%	0.008%
273	15.601	15.563	15.632	VV	56805	1496805	2.02%	0.047%
274	15.666	15.632	15.721	VV	29995	1228918	1.66%	0.039%
275	15.773	15.721	15.783	VV	47020	1284204	1.73%	0.040%
276	15.789	15.783	15.813	VV	44204	632444	0.85%	0.020%
277	15.835	15.813	15.855	VV	47679	795176	1.07%	0.025%
278	15.882	15.855	15.905	VV	25174	551147	0.74%	0.017%
279	15.920	15.905	15.938	VV	16193	251866	0.34%	0.008%
280	15.974	15.938	15.981	VV	28287	496986	0.67%	0.016%
281	15.996	15.981	16.030	VV	35880	738660	1.00%	0.023%
282	16.063	16.030	16.108	VV	43386	1194156	1.61%	0.038%
283	16.124	16.108	16.151	VV	15626	325123	0.44%	0.010%
284	16.165	16.151	16.185	VV	11244	171604	0.23%	0.005%
285	16.203	16.185	16.212	VV	12283	144747	0.20%	0.005%
286	16.248	16.212	16.273	VV	202916	3017831	4.07%	0.095%
287	16.288	16.273	16.324	VV	30383	580428	0.78%	0.018%
288	16.340	16.324	16.371	VV	10027	139132	0.19%	0.004%
289	16.393	16.371	16.401	VV	5302	43593	0.06%	0.001%
290	16.441	16.401	16.452	VV	25935	503002	0.68%	0.016%
291	16.458	16.452	16.479	VV	23689	306245	0.41%	0.010%
292	16.497	16.479	16.519	VV	15035	306925	0.41%	0.010%
293	16.547	16.519	16.551	VV	29958	405536	0.55%	0.013%
294	16.561	16.551	16.599	VV	35866	777149	1.05%	0.024%
295	16.617	16.599	16.662	VV	28334	622422	0.84%	0.020%
296	16.717	16.662	16.765	PV	87826	2029011	2.73%	0.064%
297	16.770	16.765	16.800	VV	8961	106681	0.14%	0.003%
298	16.846	16.800	16.872	VV	24917	465518	0.63%	0.015%
299	16.886	16.872	16.892	VV	15572	141996	0.19%	0.004%

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300	16.905	16.892	16.919	VV	20799	273247	0.37%	0.009%
301	16.948	16.919	16.982	VV	31904	871783	1.17%	0.027%
302	17.037	16.982	17.062	VV	59697	1564232	2.11%	0.049%
303	17.093	17.062	17.125	VV	63770	1017846	1.37%	0.032%
304	17.154	17.125	17.160	PV	3956	35579	0.05%	0.001%
305	17.197	17.160	17.276	VV	207957	3565941	4.81%	0.112%
306	17.293	17.276	17.299	PV	3850	25666	0.03%	0.001%
						Sum of corrected areas:	3173112510	

FF102124.M Fri Oct 25 05:03:35 2024

Manual Integration Report

Sample ID	ClientID ID	File ID	Sequence ID	Parameter	Supervised By	Supervised On	Reason
50 TRPH STD		FF014707.D	FF102124	N-DECANE	Ankita	10/22/2024 8:58:29 AM	Peak Integrated by Software incorrectly
50 TRPH STD		FF014707.D	FF102124	N-DOCOSANE	Ankita	10/22/2024 8:58:29 AM	Peak Integrated by Software incorrectly
50 TRPH STD		FF014707.D	FF102124	N-DODECANE	Ankita	10/22/2024 8:58:29 AM	Peak Integrated by Software incorrectly
50 TRPH STD		FF014707.D	FF102124	N-DOTRIACONTANE	Ankita	10/22/2024 8:58:29 AM	Peak Integrated by Software incorrectly
50 TRPH STD		FF014707.D	FF102124	N-EICOSANE	Ankita	10/22/2024 8:58:29 AM	Peak Integrated by Software incorrectly
50 TRPH STD		FF014707.D	FF102124	N-HEXACOSANE	Ankita	10/22/2024 8:58:29 AM	Peak Integrated by Software incorrectly
50 TRPH STD		FF014707.D	FF102124	N-HEXADECANE	Ankita	10/22/2024 8:58:29 AM	Peak Integrated by Software incorrectly
50 TRPH STD		FF014707.D	FF102124	N-HEXATRIACONTANE	Ankita	10/22/2024 8:58:29 AM	Peak Integrated by Software incorrectly
50 TRPH STD		FF014707.D	FF102124	N-OCTACOSANE	Ankita	10/22/2024 8:58:29 AM	Peak Integrated by Software incorrectly
50 TRPH STD		FF014707.D	FF102124	N-OCTADECANE	Ankita	10/22/2024 8:58:29 AM	Peak Integrated by Software incorrectly
50 TRPH STD		FF014707.D	FF102124	N-OCTANE	Ankita	10/22/2024 8:58:29 AM	Peak Integrated by Software incorrectly
50 TRPH STD		FF014707.D	FF102124	N-OCTATRIACONTANE	Ankita	10/22/2024 8:58:29 AM	Peak Integrated by Software incorrectly
50 TRPH STD		FF014707.D	FF102124	N-TETRACONTANE	Ankita	10/22/2024 8:58:29 AM	Peak Integrated by Software incorrectly
50 TRPH STD		FF014707.D	FF102124	N-TETRACOSANE	Ankita	10/22/2024 8:58:29 AM	Peak Integrated by Software incorrectly
50 TRPH STD		FF014707.D	FF102124	N-TETRADECANE	Ankita	10/22/2024 8:58:29 AM	Peak Integrated by Software incorrectly
50 TRPH STD		FF014707.D	FF102124	N-TETRATRIACONTANE	Ankita	10/22/2024 8:58:29 AM	Peak Integrated by Software incorrectly
50 TRPH STD		FF014707.D	FF102124	N-TRIACONTANE	Ankita	10/22/2024 8:58:29 AM	Peak Integrated by Software incorrectly
50 TRPH STD		FF014707.D	FF102124	TETRACOSANE-d50 (SURROGA	Ankita	10/22/2024 8:58:29 AM	Peak Integrated by Software incorrectly

Manual Integration Report

Sample ID	ClientID ID	File ID	Sequence ID	Parameter	Supervised By	Supervised On	Reason
RT MARKER		FF014758.D	FF102424	N-OCTACOSANE	Ankita	10/25/2024 11:44:20 AM	Peak Integrated by Software incorrectly
P4495-14		FF014761.D	FF102424	TETRACOSANE-d50 (SURROGA	Ankita	10/25/2024 11:44:21 AM	Peak Integrated by Software incorrectly
50 PPM TRPH STD		FF014764.D	FF102424	N-HEXADECANE	Ankita	10/25/2024 11:44:22 AM	Peak Integrated by Software incorrectly
50 PPM TRPH STD		FF014764.D	FF102424	N-TETRACOSANE	Ankita	10/25/2024 11:44:22 AM	Peak Integrated by Software incorrectly
P4518-01		FF014765.D	FF102424	TETRACOSANE-d50 (SURROGA	Ankita	10/25/2024 11:44:24 AM	Peak Integrated by Software incorrectly
P4518-01MS		FF014766.D	FF102424	N-DOCOSANE	Ankita	10/25/2024 11:44:27 AM	Peak Integrated by Software incorrectly
P4518-01MS		FF014766.D	FF102424	N-DODECANE	Ankita	10/25/2024 11:44:27 AM	Peak Integrated by Software incorrectly
P4518-01MS		FF014766.D	FF102424	N-DOTRIACONTANE	Ankita	10/25/2024 11:44:27 AM	Peak Integrated by Software incorrectly
P4518-01MS		FF014766.D	FF102424	N-EICOSANE	Ankita	10/25/2024 11:44:27 AM	Peak Integrated by Software incorrectly
P4518-01MS		FF014766.D	FF102424	N-HEXACOSANE	Ankita	10/25/2024 11:44:27 AM	Peak Integrated by Software incorrectly
P4518-01MS		FF014766.D	FF102424	N-HEXADECANE	Ankita	10/25/2024 11:44:27 AM	Peak Integrated by Software incorrectly
P4518-01MS		FF014766.D	FF102424	N-OCTACOSANE	Ankita	10/25/2024 11:44:27 AM	Peak Integrated by Software incorrectly
P4518-01MS		FF014766.D	FF102424	N-OCTADECANE	Ankita	10/25/2024 11:44:27 AM	Peak Integrated by Software incorrectly
P4518-01MS		FF014766.D	FF102424	N-OCTATRIACONTANE	Ankita	10/25/2024 11:44:27 AM	Peak Integrated by Software incorrectly
P4518-01MS		FF014766.D	FF102424	N-TETRACONTANE	Ankita	10/25/2024 11:44:27 AM	Peak Integrated by Software incorrectly
P4518-01MS		FF014766.D	FF102424	N-TETRACOSANE	Ankita	10/25/2024 11:44:27 AM	Peak Integrated by Software incorrectly
P4518-01MS		FF014766.D	FF102424	N-TETRADECANE	Ankita	10/25/2024 11:44:27 AM	Peak Integrated by Software incorrectly
P4518-01MS		FF014766.D	FF102424	N-TETRATRIACONTANE	Ankita	10/25/2024 11:44:27 AM	Peak Integrated by Software incorrectly
P4518-01MS		FF014766.D	FF102424	N-TRIACONTANE	Ankita	10/25/2024 11:44:27 AM	Peak Integrated by Software incorrectly
P4518-01MS		FF014766.D	FF102424	TETRACOSANE-d50 (SURROGA	Ankita	10/25/2024 11:44:27 AM	Peak Integrated by Software incorrectly
P4518-01MSD		FF014767.D	FF102424	N-DOCOSANE	Ankita	10/25/2024 11:44:29 AM	Peak Integrated by Software incorrectly
P4518-01MSD		FF014767.D	FF102424	N-DODECANE	Ankita	10/25/2024 11:44:29 AM	Peak Integrated by Software incorrectly

Manual Integration Report

P4518-01MSD		FF014767.D	FF102424	N-DOTRIACONTANE	Ankita	10/25/2024 11:44:29 AM	Peak Integrated by Software incorrectly
P4518-01MSD		FF014767.D	FF102424	N-EICOSANE	Ankita	10/25/2024 11:44:29 AM	Peak Integrated by Software incorrectly
P4518-01MSD		FF014767.D	FF102424	N-HEXACOSANE	Ankita	10/25/2024 11:44:29 AM	Peak Integrated by Software incorrectly
P4518-01MSD		FF014767.D	FF102424	N-HEXADECANE	Ankita	10/25/2024 11:44:29 AM	Peak Integrated by Software incorrectly
P4518-01MSD		FF014767.D	FF102424	N-HEXATRIACONTANE	Ankita	10/25/2024 11:44:29 AM	Peak Integrated by Software incorrectly
P4518-01MSD		FF014767.D	FF102424	N-OCTACOSANE	Ankita	10/25/2024 11:44:29 AM	Peak Integrated by Software incorrectly
P4518-01MSD		FF014767.D	FF102424	N-OCTADECANE	Ankita	10/25/2024 11:44:29 AM	Peak Integrated by Software incorrectly
P4518-01MSD		FF014767.D	FF102424	N-OCTATRIACONTANE	Ankita	10/25/2024 11:44:29 AM	Peak Integrated by Software incorrectly
P4518-01MSD		FF014767.D	FF102424	N-TETRACOSANE	Ankita	10/25/2024 11:44:29 AM	Peak Integrated by Software incorrectly
P4518-01MSD		FF014767.D	FF102424	N-TETRADECANE	Ankita	10/25/2024 11:44:29 AM	Peak Integrated by Software incorrectly
P4518-01MSD		FF014767.D	FF102424	N-TETRATRIACONTANE	Ankita	10/25/2024 11:44:29 AM	Peak Integrated by Software incorrectly
P4518-01MSD		FF014767.D	FF102424	N-TRIACONTANE	Ankita	10/25/2024 11:44:29 AM	Peak Integrated by Software incorrectly
P4518-01MSD		FF014767.D	FF102424	TETRACOSANE-d50 (SURROGA	Ankita	10/25/2024 11:44:29 AM	Peak Integrated by Software incorrectly
P4518-05		FF014768.D	FF102424	TETRACOSANE-d50 (SURROGA	Ankita	10/25/2024 11:44:31 AM	Peak Integrated by Software incorrectly
P4518-04		FF014769.D	FF102424	TETRACOSANE-d50 (SURROGA	Ankita	10/25/2024 11:44:32 AM	Peak Integrated by Software incorrectly
P4518-03		FF014770.D	FF102424	TETRACOSANE-d50 (SURROGA	Ankita	10/25/2024 11:44:34 AM	Peak Integrated by Software incorrectly
P4518-02		FF014771.D	FF102424	TETRACOSANE-d50 (SURROGA	Ankita	10/25/2024 11:44:36 AM	Peak Integrated by Software incorrectly
50 PPM TRPH STD		FF014773.D	FF102424	N-TETRACOSANE	Ankita	10/25/2024 11:44:39 AM	Peak Integrated by Software incorrectly

Manual Integration Report

Sample ID	ClientID ID	File ID	Sequence ID	Parameter	Supervised By	Supervised On	Reason
P4518-01		FF014779.D	FF102524	TETRACOSANE-d50 (SURROGA	Ankita	10/28/2024 10:36:32 AM	Peak Integrated by Software incorrectly
P4518-03		FF014782.D	FF102524	TETRACOSANE-d50 (SURROGA	Ankita	10/28/2024 10:36:34 AM	Peak Integrated by Software incorrectly
.BLK		FF014786.D	FF102524	TETRACOSANE-d50 (SURROGA	Ankita	10/28/2024 10:36:35 AM	Peak Integrated by Software incorrectly
50 PPM TRPH STD		FF014787.D	FF102524	TETRACOSANE-d50 (SURROGA	Ankita	10/28/2024 10:36:37 AM	Peak Integrated by Software incorrectly
.BLK		FF014788.D	FF102524	TETRACOSANE-d50 (SURROGA	Ankita	10/28/2024 10:36:39 AM	Peak Integrated by Software incorrectly
50 PPM TRPH STD		FF014789.D	FF102524	TETRACOSANE-d50 (SURROGA	Ankita	10/28/2024 10:36:40 AM	Peak Integrated by Software incorrectly
PB164426BS		FF014792.D	FF102524	N-HEXATRIACONTANE	Ankita	10/28/2024 10:36:42 AM	Peak Integrated by Software incorrectly
P4509-01		FF014793.D	FF102524	TETRACOSANE-d50 (SURROGA	Ankita	10/28/2024 10:36:43 AM	Peak Integrated by Software incorrectly
P4509-01MS		FF014794.D	FF102524	N-HEXATRIACONTANE	Ankita	10/28/2024 10:36:45 AM	Peak Integrated by Software incorrectly
P4509-01MS		FF014794.D	FF102524	N-OCTATRIACONTANE	Ankita	10/28/2024 10:36:45 AM	Peak Integrated by Software incorrectly
P4509-01MS		FF014794.D	FF102524	N-TETRACONTANE	Ankita	10/28/2024 10:36:45 AM	Peak Integrated by Software incorrectly
P4509-01MS		FF014794.D	FF102524	N-TETRATRIACONTANE	Ankita	10/28/2024 10:36:45 AM	Peak Integrated by Software incorrectly
P4509-01MS		FF014794.D	FF102524	N-TRIACONTANE	Ankita	10/28/2024 10:36:45 AM	Peak Integrated by Software incorrectly
P4509-01MSD		FF014795.D	FF102524	N-HEXATRIACONTANE	Ankita	10/28/2024 10:36:46 AM	Peak Integrated by Software incorrectly
P4509-01MSD		FF014795.D	FF102524	N-OCTADECANE	Ankita	10/28/2024 10:36:46 AM	Peak Integrated by Software incorrectly
P4509-01MSD		FF014795.D	FF102524	N-OCTATRIACONTANE	Ankita	10/28/2024 10:36:46 AM	Peak Integrated by Software incorrectly
P4509-01MSD		FF014795.D	FF102524	N-TETRACONTANE	Ankita	10/28/2024 10:36:46 AM	Peak Integrated by Software incorrectly
P4509-01MSD		FF014795.D	FF102524	N-TRIACONTANE	Ankita	10/28/2024 10:36:46 AM	Peak Integrated by Software incorrectly
P4509-01		FF014796.D	FF102524	TETRACOSANE-d50 (SURROGA	Ankita	10/28/2024 10:36:48 AM	Peak Integrated by Software incorrectly
50 PPM TRPH STD		FF014799.D	FF102524	N-TETRACONTANE	Ankita	10/28/2024 10:36:49 AM	Peak Integrated by Software incorrectly

Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QC Batch ID # FF102124

Review By	yogesh	Review On	10/21/2024 1:40:56 PM
Supervise By	Ankita	Supervise On	10/22/2024 8:58:33 AM
SubDirectory	FF102124	HP Acquire Method	HP Processing Method FF102124
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23611,PP23613,PP23614,PP23615,PP23616		
CCC Internal Standard/PEM	PP23613		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP23612,PP23617		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FF014704.D	21 Oct 2024 14:21	YP\AJ	Ok
2	I.BLK	FF014705.D	21 Oct 2024 14:50	YP\AJ	Ok
3	100 TRPH STD	FF014706.D	21 Oct 2024 15:19	YP\AJ	Ok
4	50 TRPH STD	FF014707.D	21 Oct 2024 15:48	YP\AJ	Ok,M
5	20 TRPH STD	FF014708.D	21 Oct 2024 16:17	YP\AJ	Ok
6	10 TRPH STD	FF014709.D	21 Oct 2024 16:46	YP\AJ	Ok
7	5 TRPH STD	FF014710.D	21 Oct 2024 17:15	YP\AJ	Ok
8	FF102124ICV	FF014711.D	21 Oct 2024 17:44	YP\AJ	Ok

M : Manual Integration

Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QC Batch ID # FF102424

Review By	yogesh	Review On	10/24/2024 1:31:24 PM
Supervise By	Ankita	Supervise On	10/25/2024 11:44:57 AM
SubDirectory	FF102424	HP Acquire Method	HP Processing Method FF102124
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23611,PP23613,PP23614,PP23615,PP23616		
CCC Internal Standard/PEM	PP23613		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP23612,PP23617		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FF014755.D	24 Oct 2024 10:42	YP\AJ	Ok
2	I.BLK	FF014756.D	24 Oct 2024 12:00	YP\AJ	Ok
3	50 PPM TRPH STD	FF014757.D	24 Oct 2024 12:59	YP\AJ	Ok
4	RT MARKER	FF014758.D	24 Oct 2024 13:32	YP\AJ	Ok,M
5	PB164381BL	FF014759.D	24 Oct 2024 14:33	YP\AJ	Ok
6	PB164381BS	FF014760.D	24 Oct 2024 15:02	YP\AJ	Ok
7	P4495-14	FF014761.D	24 Oct 2024 15:31	YP\AJ	Dilution
8	P4495-14	FF014762.D	24 Oct 2024 16:06	YP\AJ	Dilution
9	I.BLK	FF014763.D	24 Oct 2024 16:35	YP\AJ	Ok
10	50 PPM TRPH STD	FF014764.D	24 Oct 2024 17:33	YP\AJ	Ok,M
11	P4518-01	FF014765.D	24 Oct 2024 19:29	YP\AJ	Dilution
12	P4518-01MS	FF014766.D	24 Oct 2024 19:58	YP\AJ	Ok,M
13	P4518-01MSD	FF014767.D	24 Oct 2024 20:27	YP\AJ	Ok,M
14	P4518-05	FF014768.D	24 Oct 2024 20:56	YP\AJ	Dilution
15	P4518-04	FF014769.D	24 Oct 2024 21:25	YP\AJ	Dilution
16	P4518-03	FF014770.D	24 Oct 2024 21:54	YP\AJ	Dilution
17	P4518-02	FF014771.D	24 Oct 2024 22:23	YP\AJ	Dilution
18	I.BLK	FF014772.D	24 Oct 2024 22:52	YP\AJ	Ok
19	50 PPM TRPH STD	FF014773.D	24 Oct 2024 23:50	YP\AJ	Ok,M

M : Manual Integration

Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QC Batch ID # FF102524

Review By	yogesh	Review On	10/25/2024 11:01:26 AM
Supervise By	Ankita	Supervise On	10/28/2024 10:37:03 AM
SubDirectory	FF102524	HP Acquire Method	HP Processing Method FF102124
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23611,PP23613,PP23614,PP23615,PP23616		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP23613 PP23612,PP23617		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FF014774.D	25 Oct 2024 05:42	YP\AJ	Ok
2	I.BLK	FF014775.D	25 Oct 2024 06:11	YP\AJ	Ok
3	50 PPM TRPH STD	FF014776.D	25 Oct 2024 06:40	YP\AJ	Ok
4	RT MARKER	FF014777.D	25 Oct 2024 07:08	YP\AJ	Ok
5	P4495-14	FF014778.D	25 Oct 2024 08:27	YP\AJ	Ok
6	P4518-01	FF014779.D	25 Oct 2024 08:55	YP\AJ	Ok,M
7	P4518-05	FF014780.D	25 Oct 2024 09:24	YP\AJ	Dilution
8	P4518-04	FF014781.D	25 Oct 2024 09:53	YP\AJ	Dilution
9	P4518-03	FF014782.D	25 Oct 2024 10:22	YP\AJ	Ok,M
10	P4518-02	FF014783.D	25 Oct 2024 10:51	YP\AJ	Ok
11	P4518-05	FF014784.D	25 Oct 2024 11:20	YP\AJ	Ok
12	P4518-04	FF014785.D	25 Oct 2024 11:49	YP\AJ	Ok
13	I.BLK	FF014786.D	25 Oct 2024 12:17	YP\AJ	Ok,M
14	50 PPM TRPH STD	FF014787.D	25 Oct 2024 12:46	YP\AJ	Ok,M
15	I.BLK	FF014788.D	25 Oct 2024 13:56	YP\AJ	Ok,M
16	50 PPM TRPH STD	FF014789.D	25 Oct 2024 14:24	YP\AJ	Ok,M
17	RT MARKER	FF014790.D	25 Oct 2024 14:53	YP\AJ	Ok
18	PB164426BL	FF014791.D	25 Oct 2024 16:21	YP\AJ	Ok
19	PB164426BS	FF014792.D	25 Oct 2024 16:50	YP\AJ	Ok,M
20	P4509-01	FF014793.D	25 Oct 2024 17:19	YP\AJ	Dilution
21	P4509-01MS	FF014794.D	25 Oct 2024 17:48	YP\AJ	Ok,M

Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QC Batch ID # FF102524

Review By	yogesh	Review On	10/25/2024 11:01:26 AM
Supervise By	Ankita	Supervise On	10/28/2024 10:37:03 AM
SubDirectory	FF102524	HP Acquire Method	HP Processing Method FF102124
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23611,PP23613,PP23614,PP23615,PP23616		
CCC Internal Standard/PEM	PP23613		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP23612,PP23617		

22	P4509-01MSD	FF014795.D	25 Oct 2024 18:17	YP\AJ	Ok,M
23	P4509-01	FF014796.D	25 Oct 2024 18:46	YP\AJ	Not Ok
24	P4509-01	FF014797.D	25 Oct 2024 19:15	YP\AJ	Not Ok
25	I.BLK	FF014798.D	25 Oct 2024 19:43	YP\AJ	Ok
26	50 PPM TRPH STD	FF014799.D	25 Oct 2024 20:41	YP\AJ	Ok,M

M : Manual Integration

Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QC Batch ID # FF102124

Review By	yogesh	Review On	10/21/2024 1:40:56 PM
Supervise By	Ankita	Supervise On	10/22/2024 8:58:33 AM
SubDirectory	FF102124	HP Acquire Method	HP Processing Method FF102124

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP23611,PP23613,PP23614,PP23615,PP23616
CCC Internal Standard/PEM	PP23613
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP23612,PP23617

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2		FF014704.D	21 Oct 2024 14:21		YP\AJ	Ok
2	I.BLK		FF014705.D	21 Oct 2024 14:50		YP\AJ	Ok
3	100 TRPH STD		FF014706.D	21 Oct 2024 15:19		YP\AJ	Ok
4	50 TRPH STD		FF014707.D	21 Oct 2024 15:48		YP\AJ	Ok,M
5	20 TRPH STD		FF014708.D	21 Oct 2024 16:17		YP\AJ	Ok
6	10 TRPH STD		FF014709.D	21 Oct 2024 16:46		YP\AJ	Ok
7	5 TRPH STD		FF014710.D	21 Oct 2024 17:15		YP\AJ	Ok
8	FF102124ICV		FF014711.D	21 Oct 2024 17:44		YP\AJ	Ok

M : Manual Integration

Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QC Batch ID # FF102424

Review By	yogesh	Review On	10/24/2024 1:31:24 PM
Supervise By	Ankita	Supervise On	10/25/2024 11:44:57 AM
SubDirectory	FF102424	HP Acquire Method	HP Processing Method FF102124

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP23611,PP23613,PP23614,PP23615,PP23616
CCC Internal Standard/PEM	PP23613
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP23612,PP23617

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2		FF014755.D	24 Oct 2024 10:42		YP\AJ	Ok
2	I.BLK		FF014756.D	24 Oct 2024 12:00		YP\AJ	Ok
3	50 PPM TRPH STD		FF014757.D	24 Oct 2024 12:59		YP\AJ	Ok
4	RT MARKER		FF014758.D	24 Oct 2024 13:32		YP\AJ	Ok,M
5	PB164381BL		FF014759.D	24 Oct 2024 14:33		YP\AJ	Ok
6	PB164381BS		FF014760.D	24 Oct 2024 15:02		YP\AJ	Ok
7	P4495-14		FF014761.D	24 Oct 2024 15:31	need 25x dilution	YP\AJ	Dilution
8	P4495-14		FF014762.D	24 Oct 2024 16:06	need further dilution	YP\AJ	Dilution
9	I.BLK		FF014763.D	24 Oct 2024 16:35		YP\AJ	Ok
10	50 PPM TRPH STD		FF014764.D	24 Oct 2024 17:33		YP\AJ	Ok,M
11	P4518-01		FF014765.D	24 Oct 2024 19:29	need 50x dilution	YP\AJ	Dilution
12	P4518-01MS		FF014766.D	24 Oct 2024 19:58		YP\AJ	Ok,M
13	P4518-01MSD		FF014767.D	24 Oct 2024 20:27		YP\AJ	Ok,M
14	P4518-05		FF014768.D	24 Oct 2024 20:56	need 50x dilution	YP\AJ	Dilution
15	P4518-04		FF014769.D	24 Oct 2024 21:25	need 100x dilution	YP\AJ	Dilution
16	P4518-03		FF014770.D	24 Oct 2024 21:54	need 20x dilution	YP\AJ	Dilution
17	P4518-02		FF014771.D	24 Oct 2024 22:23	need 20x dilution further	YP\AJ	Dilution
18	I.BLK		FF014772.D	24 Oct 2024 22:52		YP\AJ	Ok

Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QC Batch ID # FF102424

Review By	yogesh	Review On	10/24/2024 1:31:24 PM
Supervise By	Ankita	Supervise On	10/25/2024 11:44:57 AM
SubDirectory	FF102424	HP Acquire Method	HP Processing Method FF102124

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP23611,PP23613,PP23614,PP23615,PP23616
CCC Internal Standard/PEM	PP23613
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP23612,PP23617

19	50 PPM TRPH STD		FF014773.D	24 Oct 2024 23:50		YP\AJ	Ok,M
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M : Manual Integration

Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QC Batch ID # FF102524

Review By	yogesh	Review On	10/25/2024 11:01:26 AM
Supervise By	Ankita	Supervise On	10/28/2024 10:37:03 AM
SubDirectory	FF102524	HP Acquire Method	HP Processing Method FF102124

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP23611,PP23613,PP23614,PP23615,PP23616
CCC Internal Standard/PEM	PP23613
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP23612,PP23617

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2		FF014774.D	25 Oct 2024 05:42		YP\AJ	Ok
2	I.BLK		FF014775.D	25 Oct 2024 06:11		YP\AJ	Ok
3	50 PPM TRPH STD		FF014776.D	25 Oct 2024 06:40		YP\AJ	Ok
4	RT MARKER		FF014777.D	25 Oct 2024 07:08		YP\AJ	Ok
5	P4495-14		FF014778.D	25 Oct 2024 08:27		YP\AJ	Ok
6	P4518-01		FF014779.D	25 Oct 2024 08:55		YP\AJ	Ok,M
7	P4518-05		FF014780.D	25 Oct 2024 09:24	need further dilution	YP\AJ	Dilution
8	P4518-04		FF014781.D	25 Oct 2024 09:53	need further dilution	YP\AJ	Dilution
9	P4518-03		FF014782.D	25 Oct 2024 10:22		YP\AJ	Ok,M
10	P4518-02		FF014783.D	25 Oct 2024 10:51		YP\AJ	Ok
11	P4518-05		FF014784.D	25 Oct 2024 11:20		YP\AJ	Ok
12	P4518-04		FF014785.D	25 Oct 2024 11:49		YP\AJ	Ok
13	I.BLK		FF014786.D	25 Oct 2024 12:17		YP\AJ	Ok,M
14	50 PPM TRPH STD		FF014787.D	25 Oct 2024 12:46		YP\AJ	Ok,M
15	I.BLK		FF014788.D	25 Oct 2024 13:56		YP\AJ	Ok,M
16	50 PPM TRPH STD		FF014789.D	25 Oct 2024 14:24		YP\AJ	Ok,M
17	RT MARKER		FF014790.D	25 Oct 2024 14:53		YP\AJ	Ok
18	PB164426BL		FF014791.D	25 Oct 2024 16:21		YP\AJ	Ok

Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QC Batch ID # FF102524

Review By	yogesh	Review On	10/25/2024 11:01:26 AM
Supervise By	Ankita	Supervise On	10/28/2024 10:37:03 AM
SubDirectory	FF102524	HP Acquire Method	HP Processing Method FF102124
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23611,PP23613,PP23614,PP23615,PP23616		
CCC	PP23613		
Internal Standard/PEM	PP23612,PP23617		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	PB164426BS		FF014792.D	25 Oct 2024 16:50		YP\AJ	Ok,M
20	P4509-01		FF014793.D	25 Oct 2024 17:19	need 5x dilution	YP\AJ	Dilution
21	P4509-01MS		FF014794.D	25 Oct 2024 17:48		YP\AJ	Ok,M
22	P4509-01MSD		FF014795.D	25 Oct 2024 18:17		YP\AJ	Ok,M
23	P4509-01		FF014796.D	25 Oct 2024 18:46	not required	YP\AJ	Not Ok
24	P4509-01		FF014797.D	25 Oct 2024 19:15	not required	YP\AJ	Not Ok
25	I.BLK		FF014798.D	25 Oct 2024 19:43		YP\AJ	Ok
26	50 PPM TRPH STD		FF014799.D	25 Oct 2024 20:41		YP\AJ	Ok,M

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/25/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 10/24/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:11
Out Date: 10/25/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB133108

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
P4509-01	AU-06-10232024	1	1.15	8.65	9.8	9.02	91.0	
P4518-01	EX-5-TPH-1	2	1.18	8.55	9.73	7.89	78.5	
P4518-02	EX-5-TPH-2	3	1.15	8.84	9.99	8.15	79.2	
P4518-03	EX-5-TPH-3	4	1.19	8.61	9.8	8.43	84.1	
P4518-04	EX-5-TPH-4	5	1.18	8.53	9.71	8.02	80.2	
P4518-05	EX-5-TPH-5	6	1.16	8.51	9.67	7.45	73.9	
P4531-01	OR-03-102424	7	1.19	8.61	9.8	9.31	94.3	
P4531-02	OR-03-102424-E2	8	1.19	8.63	9.82	9.34	94.4	
P4545-01	VNJ-215	15	1.13	8.69	9.82	8.69	87.0	
P4545-02	VNJ-215	16	1.13	8.69	9.82	8.69	87.0	
P4547-01	BP-F-21	9	1.14	8.82	9.96	8.98	88.9	
P4547-02	BP-F-21-EPH	10	1.18	8.66	9.84	8.83	88.3	
P4547-03	BP-F-21-VOC	11	1.13	8.75	9.88	8.81	87.8	
P4547-05	BP-F-20	12	1.16	8.80	9.96	8.78	86.6	
P4547-06	BP-F-20-EPH	13	1.18	8.43	9.61	8.45	86.2	
P4547-07	BP-F-20-VOC	14	1.14	8.85	9.99	8.82	86.8	

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

WORKLIST(Hardcopy Internal Chain)

133108

WorkList Name : %1-102424

WorkList ID : 184723

Department : Wet-Chemistry

Date : 10-24-2024 08:33:35

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4509-01	AU-06-10232024	Solid	Percent Solids	Cool 4 deg C	PSEG05	K61	10/23/2024	Chemtech -SO
P4518-01	EX-5-TPH-1	Solid	Percent Solids	Cool 4 deg C	ENTA05	K61	10/23/2024	Chemtech -SO
P4518-02	EX-5-TPH-2	Solid	Percent Solids	Cool 4 deg C	ENTA05	K61	10/23/2024	Chemtech -SO
P4518-03	EX-5-TPH-3	Solid	Percent Solids	Cool 4 deg C	ENTA05	K61	10/23/2024	Chemtech -SO
P4518-04	EX-5-TPH-4	Solid	Percent Solids	Cool 4 deg C	ENTA05	K61	10/23/2024	Chemtech -SO
P4518-05	EX-5-TPH-5	Solid	Percent Solids	Cool 4 deg C	ENTA05	K61	10/23/2024	Chemtech -SO
P4531-01	OR-03-102424	Solid	Percent Solids	Cool 4 deg C	PSEG05	K61	10/24/2024	Chemtech -SO
P4531-02	OR-03-102424-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	K61	10/24/2024	Chemtech -SO
P4545-01	VNJ-215	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/24/2024	Chemtech -SO
P4545-02	VNJ-215	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/24/2024	Chemtech -SO
P4547-01	BP-F-21	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/24/2024	Chemtech -SO
P4547-02	BP-F-21-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/24/2024	Chemtech -SO
P4547-03	BP-F-21-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/24/2024	Chemtech -SO
P4547-05	BP-F-20	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/24/2024	Chemtech -SO
P4547-06	BP-F-20-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/24/2024	Chemtech -SO
P4547-07	BP-F-20-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/24/2024	Chemtech -SO

Date/Time 10/24/24 16:00

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Date/Time 10/24/24 17:10

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: N/A

Matrix: Solid

Weigh By: EH

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RS

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date: 10/24/2024

Extraction Start Time: 11:10

Extraction End Date: 10/24/2024

Extraction End Time: 14:10

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
Surrogate	1.0ML	20 PPM	PP23518
Spike Sol 1	1.0ML	20 PPM	PP23454
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	EP2538
Baked Na2SO4	N/A	EP2551
Sand	N/A	E2865
Methylene Chloride	N/A	E3822
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:

1.5 ML Vial lot# 2210673.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: NEVAP-02

Envap Temperature: 40 °C

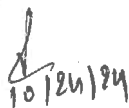
Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/24/24	RP (Ext Lab)	Y-P-Pentapod
14:15	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 10/24/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB164381BL	PB164381BL	Diesel Range Organics	30.03	N/A	ritesh	Evelyn	1			U1-1
PB164381BS	PB164381BS	Diesel Range Organics	30.01	N/A	ritesh	Evelyn	1			2
P4495-14	PT-DIES-SOIL	Diesel Range Organics	20.12	N/A	ritesh	Evelyn	1			3
P4518-01	EX-5-TPH-1	Diesel Range Organics	30.09	N/A	ritesh	Evelyn	1	E		4
P4518-01MS	EX-5-TPH-1MS	Diesel Range Organics	30.05	N/A	ritesh	Evelyn	1	E		5
P4518-01MS D	EX-5-TPH-1MSD	Diesel Range Organics	30.03	N/A	ritesh	Evelyn	1	E		6
P4518-02	EX-5-TPH-2	Diesel Range Organics	30.06	N/A	ritesh	Evelyn	1	E		U5-1
P4518-03	EX-5-TPH-3	Diesel Range Organics	30.10	N/A	ritesh	Evelyn	1	E		2
P4518-04	EX-5-TPH-4	Diesel Range Organics	30.08	N/A	ritesh	Evelyn	1	E		3
P4518-05	EX-5-TPH-5	Diesel Range Organics	30.05	N/A	ritesh	Evelyn	1	E		4

* Extracts relinquished on the same date as received.



WORKLIST(Hardcopy Internal Chain)

WorkList Name : p4518 WorkList ID : 184740 Department : Extraction Date : 10-24-2024 11:04:50

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4495-14	PT-DIES-SOIL	Solid	Diesel Range Organics	Cool 4 deg C	CHEM02	QA 01	10/21/2024	8015D
P4518-01	EX-5-TPH-1	Solid	Diesel Range Organics	Cool 4 deg C	ENTA05	K61	10/23/2024	8015D
P4518-02	EX-5-TPH-2	Solid	Diesel Range Organics	Cool 4 deg C	ENTA05	K61	10/23/2024	8015D
P4518-03	EX-5-TPH-3	Solid	Diesel Range Organics	Cool 4 deg C	ENTA05	K61	10/23/2024	8015D
P4518-04	EX-5-TPH-4	Solid	Diesel Range Organics	Cool 4 deg C	ENTA05	K61	10/23/2024	8015D
P4518-05	EX-5-TPH-5	Solid	Diesel Range Organics	Cool 4 deg C	ENTA05	K61	10/23/2024	8015D

Date/Time 10/24/24 11:05
 Raw Sample Received by: RJ (Set 1043)
 Raw Sample Relinquished by: ST (Set 1043)

Date/Time 10/26/24 11:30
 Raw Sample Received by: ST (Set 1043)
 Raw Sample Relinquished by: RJ (Set 1043)



SHIPPING DOCUMENTS



P4518

NO. 1 OF 1

COMPANY INFORMATION							PROJECT INFORMATION							REQUESTED ANALYSIS/METHOD								
LOCATION ENTACT LLC							PROJECT North Point															
ATTN Wyatt Seel							BILLING INFORMATION															
ADDRESS 150 Bay Street, Suite 801							BILL TO ENTACT LLC															
Jersey City, NJ							ADDRESS 999 Oakmont Plaza Drive Suite 300															
PHONE 419-266-4671							PHONE 630-986-2900															
FAX							FAX							PO# E9306								
SAMPLE ID	SAMPLE DESCRIPTION	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	SAMPLE TYPE	CONTAINER TYPE	NUMBER OF CONTAINERS TPH analysis (GRO, DRO, EPH Cat 2)										COMMENTS					
EX-5-TPH-1	TPH Sampling	10/23	1:15	Soil	G	Teracore / 8oz		2 X														
EX-5-TPH-2	TPH Sampling	10/23	1:15	Soil	G	Teracore / 8oz		2 X														
EX-5-TPH-3	TPH Sampling	10/23	1:15	Soil	G	Teracore / 8oz		2 X														
EX-5-TPH-4	TPH Sampling	10/23	1:15	Soil	G	Teracore / 8oz		2 X														
EX-5-TPH-5	TPH Sampling	10/23	1:15	Soil	G	Teracore / 8oz		2 X														
SAMPLER W. Seel							SHIPMENT courier							AIRBILL								
REQUIRED TURNAROUND							☐ SAME DAY ☐ 24 HOURS ☐ 48 HOURS ☐ 72 HOURS ☒ 5 DAYS ☐ 10 DAYS ☐ ROUTINE ☐ OTHER:															
1. RELINQUISHED BY		DATE	2. RELINQUISHED BY		DATE	3. RELINQUISHED BY		DATE														
SIGNATURE: 		10-23-24	SIGNATURE:			SIGNATURE:																
PRINTED NAME/COMPANY: Austin Foreman/ENTACT		15:35	PRINTED NAME/COMPANY:			PRINTED NAME/COMPANY:																
1. RECEIVED BY		DATE	2. RECEIVED BY		DATE	3. RECEIVED BY		DATE														
SIGNATURE: 		10-23-24	SIGNATURE:			SIGNATURE:																
PRINTED NAME/COMPANY: Cassanova		15:35	PRINTED NAME/COMPANY:			PRINTED NAME/COMPANY:																

2.3. c



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 (L-A-B)	L2219
Maine	2024021
Maryland	296
New Hampshire	255423
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4518	ENTA05	Order Date : 10/23/2024 3:37:00 PM	Project Mgr :
Client Name : ENTACT		Project Name : North Point	Report Type : Level 1
Client Contact : Wyatt Seel		Receive DateTime : 10/23/2024 3:35:00 PM	EDD Type : Excel NJ
Invoice Name : ENTACT		Purchase Order :	Hard Copy Date :
Invoice Contact : Wyatt Seel			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P4518-01	EX-5-TPH-1	Solid	10/23/2024	13:15					
					Gasoline Range Organics		8015D	5 Bus. Days	
P4518-02	EX-5-TPH-2	Solid	10/23/2024	13:15					
					Gasoline Range Organics		8015D	5 Bus. Days	
P4518-03	EX-5-TPH-3	Solid	10/23/2024	13:15					
					Gasoline Range Organics		8015D	5 Bus. Days	
P4518-04	EX-5-TPH-4	Solid	10/23/2024	13:15					
					Gasoline Range Organics		8015D	5 Bus. Days	
P4518-05	EX-5-TPH-5	Solid	10/23/2024	13:15					
					Gasoline Range Organics		8015D	5 Bus. Days	

Relinquished By : af

Date / Time : 10-23-24 1610

Received By : Sam

Date / Time : 10/23/24 16:10 24 86 22

Storage Area : VOA Refridgerator Room