

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:	P4721	OrderDate:	11/5/2024 3:27:00 PM
Client:	ENTACT	Project:	North Point
Contact:	Wyatt Seel	Location:	L23

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4721-01	EX-2-TPH-1	SOIL	Diesel Range Organics	8015D	11/05/24	11/07/24	11/08/24	11/05/24
P4721-02	EX-2-TPH-2	SOIL	Diesel Range Organics	8015D	11/05/24	11/07/24	11/08/24	11/05/24
P4721-03	EX-2-TPH-3	SOIL	Diesel Range Organics	8015D	11/05/24	11/07/24	11/08/24	11/05/24
P4721-04	EX-11-TPH-1	SOIL	Diesel Range Organics	8015D	11/05/24	11/07/24	11/08/24	11/05/24
P4721-05	EX-11-TPH-2	SOIL	Diesel Range Organics	8015D	11/05/24	11/07/24	11/08/24	11/05/24
P4721-06	EX-11-TPH-3	SOIL	Diesel Range Organics	8015D	11/05/24	11/07/24	11/07/24	11/05/24
P4721-07	EX-11-TPH-4	SOIL	Diesel Range Organics Gasoline Range Organics	8015D 8015D	11/05/24	11/07/24	11/08/24 11/07/24	11/05/24
P4721-08	EX-9-TPH-1	SOIL	Diesel Range Organics	8015D	11/05/24	11/07/24	11/08/24	11/05/24
P4721-09	EX-9-TPH-2	SOIL	Diesel Range Organics	8015D	11/05/24	11/07/24	11/07/24	11/05/24
P4721-10	EX-9-TPH-3	SOIL	Diesel Range Organics	8015D	11/05/24	11/07/24	11/07/24	11/05/24
P4721-11	EX-9-TPH-4	SOIL	Diesel Range Organics	8015D	11/05/24	11/07/24	11/07/24	11/05/24

LAB CHRONICLE

P4721-12	EX-9-TPH-5	SOIL		11/05/24			11/05/24
			Diesel Range Organics		11/07/24	11/08/24	
			Gasoline Range Organics			11/07/24	
P4721-13	EX-9-TPH-6	SOIL		11/05/24			11/05/24
			Diesel Range Organics		11/07/24	11/08/24	
P4721-14	EX-9-TPH-7	SOIL		11/05/24			11/05/24
			Diesel Range Organics		11/07/24	11/08/24	
P4721-15	EX-9-TPH-8	SOIL		11/05/24			11/05/24
			Diesel Range Organics		11/07/24	11/08/24	



QC SUMMARY

SOIL DIESEL RANGE ORGANICS SURROGATE RECOVERY

Lab Name: Chemtech Client: ENTACT
Lab Code: CHEM Case No.: P4721 SAS No.: P4721 SDG No.: P4721

EPA SAMPLE NO.	S1 TETRACOSANE-d50	S2	S3	S4	TOT OUT
PIBLK-FG014668.D	81				0
PIBLK-FG014679.D	84				0
PIBLK-FG014690.D	88				0
PIBLK-FG014700.D	89				0
PIBLK-FG014708.D	86				0
EX-2-TPH-1	0 *				1
EX-2-TPH-2	0 *				1
EX-2-TPH-3	0 *				1
EX-11-TPH-1	0 *				1
EX-11-TPH-2	0 *				1
EX-11-TPH-3	58				0
EX-11-TPH-4	0 *				1
EX-9-TPH-1	49				0
EX-9-TPH-2	72				0
EX-9-TPH-2MS	58				0
EX-9-TPH-2MSD	58				0
EX-9-TPH-3	65				0
EX-9-TPH-4	102				0
EX-9-TPH-5	95				0
EX-9-TPH-6	57				0
EX-9-TPH-7	0 *				1
EX-9-TPH-8	45				0
PB164744BL	74				0
PB164744BS	82				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:** P4721 **SAS No :** P4721 **SDG No:** P4721
Client SampleID : EX-9-TPH-2MS **Datafile:** FG014684.D

COMPOUND	SPIKE ADDED ug/kg	SAMPLE CONCENTRATION ug/kg	MS/MSD CONCENTRATION ug/kg	% REC	Qual	QC LIMITS
DRO	7792	4790	11195	82%		68-131

SOIL DIESEL RANGE ORGANICS MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** ENTACT
Lab Code: CHEM **Cas No:** P4721 **SAS No :** P4721 **SDG No:** P4721
Client SampleID : EX-9-TPH-2MSD **Datafile:** FG014685.D

COMPOUND	SPIKE ADDED ug/kg	SAMPLE CONCENTRATION ug/kg	MS/MSD CONCENTRATION ug/kg	% REC	Qual	QC LIMITS
DRO	7779	4790	11383	85%		68-131

MS/MSD % Recovery RPD : 3.1

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

Lab Name: Chemtech **Client:** ENTACT
Lab Code: CHEM **Cas No:** P4721 **SAS No :** P4721 **SDG No:** P4721
Matrix Spike - EPA Sample No : PB164744BS **Datafile:** FG014682.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS
DRO	6660	0	7371	111	68-131

4B
METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164744BL

Lab Name: CHEMTECH

Contract: ENTA05

Lab Code: CHEM Case No.: P4721

SAS No.: P4721 SDG NO.: P4721

Lab File ID: FG014681.D

Lab Sample ID: PB164744BL

Instrument ID: FG

Date Extracted: 11/07/2024

Matrix: (soil/water) Soil

Date Analyzed: 11/07/24

Level: (low/med) low

Time Analyzed: 19:43

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
EX-11-TPH-3	P4721-06	FG014676.D	11/07/24
PB164744BS	PB164744BS	FG014682.D	11/07/24
EX-9-TPH-2	P4721-09	FG014683.D	11/07/24
EX-9-TPH-2MS	P4721-09MS	FG014684.D	11/07/24
EX-9-TPH-2MSD	P4721-09MSD	FG014685.D	11/07/24
EX-9-TPH-3	P4721-10	FG014686.D	11/07/24
EX-9-TPH-4	P4721-11	FG014687.D	11/07/24
EX-2-TPH-1	P4721-01	FG014694.D	11/08/24
EX-2-TPH-2	P4721-02	FG014695.D	11/08/24
EX-2-TPH-3	P4721-03	FG014696.D	11/08/24
EX-11-TPH-1	P4721-04	FG014697.D	11/08/24
EX-11-TPH-2	P4721-05	FG014698.D	11/08/24
EX-9-TPH-1	P4721-08	FG014702.D	11/08/24
EX-9-TPH-5	P4721-12	FG014703.D	11/08/24
EX-9-TPH-6	P4721-13	FG014704.D	11/08/24
EX-9-TPH-8	P4721-15	FG014705.D	11/08/24
EX-11-TPH-4	P4721-07	FG014706.D	11/08/24
EX-9-TPH-7	P4721-14	FG014707.D	11/08/24

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	ENTACT		Date Collected:	11/05/24	
Project:	North Point		Date Received:	11/05/24	
Client Sample ID:	EX-2-TPH-1		SDG No.:	P4721	
Lab Sample ID:	P4721-01		Matrix:	SOIL	
Analytical Method:	8015D DRO		% Solid:	86.7	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
FG014694.D	100	11/07/24 08:30	11/08/24 3:16	PB164744

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	1360000		21300	192000	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_G\Data\FG110724\
Data File : FG014694.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 03:16
Operator : YP\AJ
Sample : P4721-01 100X
Misc :
ALS Vial : 80 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-2-TPH-1

Integration File: autoint1.e
Quant Time: Nov 08 05:28:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Quant Title :
QLast Update : Mon Oct 21 17:03:32 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

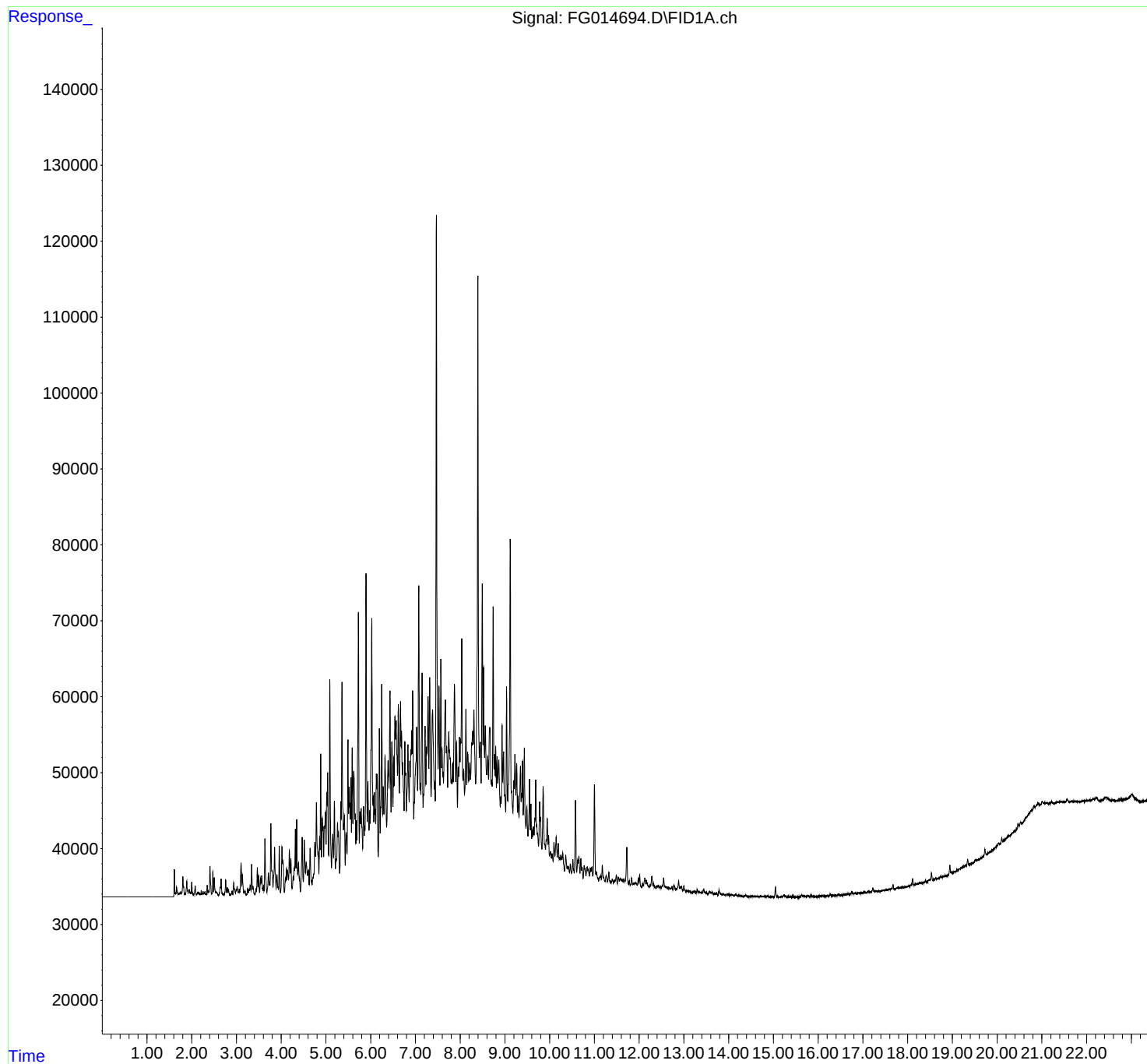
(m)=manual int.

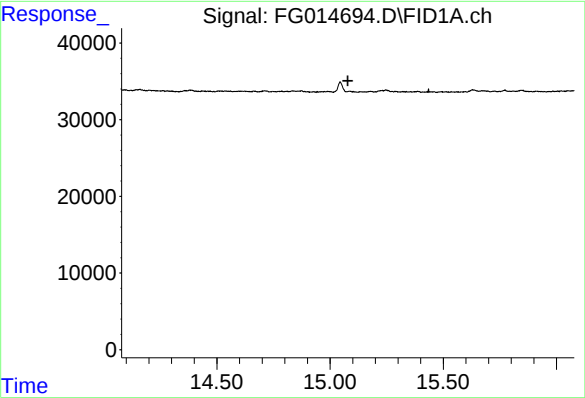
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110724\
Data File : FG014694.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 03:16
Operator : YP\AJ
Sample : P4721-01 100X
Misc :
ALS Vial : 80 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-2-TPH-1

Integration File: autoint1.e
Quant Time: Nov 08 05:28:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Quant Title :
QLast Update : Mon Oct 21 17:03:32 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.: 15.079 min
Response: 0
Conc: N.D.

Instrument :
FID_G
ClientSampleId :
EX-2-TPH-1

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110724\
Data File : FG014694.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 03:16
Sample : P4721-01 100X
Misc :
ALS Vial : 80 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.515	4.495	4.542	VV	6808	113224	7.08%	0.244%
2	4.560	4.542	4.585	VV	3839	80197	5.01%	0.173%
3	4.591	4.585	4.599	VV	2323	19448	1.22%	0.042%
4	4.608	4.599	4.626	VV	2814	31866	1.99%	0.069%
5	4.646	4.626	4.675	VV	5688	88898	5.56%	0.192%
6	4.679	4.675	4.692	VV	1359	11314	0.71%	0.024%
7	4.710	4.692	4.713	VV	1800	19029	1.19%	0.041%
8	4.753	4.713	4.768	VV	6413	125786	7.86%	0.271%
9	4.787	4.768	4.822	VV	11650	230213	14.39%	0.496%
10	4.828	4.822	4.843	VV	4997	51818	3.24%	0.112%
11	4.859	4.843	4.867	VV	7150	77159	4.82%	0.166%
12	4.883	4.867	4.901	VV	18005	212859	13.31%	0.459%
13	4.918	4.901	4.929	VV	9525	129824	8.12%	0.280%
14	4.936	4.929	4.950	VV	8416	88068	5.51%	0.190%
15	4.965	4.950	4.971	VV	8412	88538	5.54%	0.191%
16	4.990	4.971	5.003	VV	10241	170101	10.63%	0.367%
17	5.018	5.003	5.026	VV	12893	145471	9.09%	0.314%
18	5.038	5.026	5.064	VV	15472	215445	13.47%	0.465%
19	5.087	5.064	5.125	VV	27730	412930	25.82%	0.890%
20	5.152	5.125	5.171	VV	7326	151724	9.49%	0.327%
21	5.189	5.171	5.212	VV	11664	174762	10.93%	0.377%
22	5.259	5.212	5.271	VV	8817	185531	11.60%	0.400%
23	5.279	5.271	5.307	VV	7558	111967	7.00%	0.241%
24	5.332	5.307	5.341	VV	11540	143329	8.96%	0.309%
25	5.359	5.341	5.391	VV	27246	446851	27.94%	0.963%
26	5.413	5.391	5.432	VV	9717	187406	11.72%	0.404%
27	5.450	5.432	5.472	VV	7382	142891	8.93%	0.308%
28	5.493	5.472	5.507	VV	19637	266612	16.67%	0.575%
29	5.517	5.507	5.527	VV	13376	144463	9.03%	0.311%
30	5.533	5.527	5.544	VV	11288	104412	6.53%	0.225%
31	5.557	5.544	5.570	VV	14595	182666	11.42%	0.394%
32	5.587	5.570	5.604	VV	18545	265861	16.62%	0.573%
33	5.621	5.604	5.647	VV	15389	329177	20.58%	0.710%
34	5.653	5.647	5.669	VV	9717	107505	6.72%	0.232%
35	5.683	5.669	5.693	VV	8938	109803	6.86%	0.237%
36	5.726	5.693	5.746	VV	36356	600987	37.57%	1.296%

rteres								
37	5.762	5.746	5.773	VV	10045	135078	8.45%	0.291%
38	5.787	5.773	5.820	VV	10399	239933	15.00%	0.517%
39	5.841	5.820	5.857	VV	10692	182993	11.44%	0.395%
40	5.867	5.857	5.873	VV	7972	74524	4.66%	0.161%
41	5.896	5.873	5.925	VV	41323	623699	38.99%	1.345%
42	5.938	5.925	5.963	VV	13954	240483	15.03%	0.519%
43	5.980	5.963	5.989	VV	10126	136887	8.56%	0.295%
44	6.024	5.989	6.052	VV	35382	723435	45.23%	1.560%
45	6.059	6.052	6.070	VV	11909	115774	7.24%	0.250%
46	6.083	6.070	6.095	VV	12430	162333	10.15%	0.350%
47	6.102	6.095	6.112	VV	10213	92715	5.80%	0.200%
48	6.127	6.112	6.137	VV	14905	187283	11.71%	0.404%
49	6.145	6.137	6.168	VV	14730	188163	11.76%	0.406%
50	6.194	6.168	6.212	VV	20850	300056	18.76%	0.647%
51	6.247	6.212	6.266	VV	26654	483432	30.22%	1.042%
52	6.277	6.266	6.296	VV	13107	201275	12.58%	0.434%
53	6.320	6.296	6.357	VV	17169	441993	27.63%	0.953%
54	6.388	6.357	6.410	VV	16516	422731	26.43%	0.911%
55	6.432	6.410	6.455	VV	25689	474728	29.68%	1.024%
56	6.473	6.455	6.496	VV	18915	367053	22.95%	0.791%
57	6.513	6.496	6.524	VV	16876	233467	14.60%	0.503%
58	6.542	6.524	6.558	VV	22285	387637	24.23%	0.836%
59	6.569	6.558	6.599	VV	21727	452429	28.29%	0.976%
60	6.617	6.599	6.640	VV	23774	426333	26.65%	0.919%
61	6.667	6.640	6.681	VV	24175	461577	28.86%	0.995%
62	6.689	6.681	6.706	VV	20296	274086	17.14%	0.591%
63	6.715	6.706	6.746	VV	16142	327036	20.45%	0.705%
64	6.763	6.746	6.796	VV	18899	422319	26.40%	0.911%
65	6.832	6.796	6.859	VV	18474	518978	32.45%	1.119%
66	6.874	6.859	6.883	VV	16227	202730	12.67%	0.437%
67	6.896	6.883	6.903	VV	17763	193110	12.07%	0.416%
68	6.914	6.903	6.924	VV	20222	239074	14.95%	0.515%
69	6.938	6.924	6.962	VV	25512	411234	25.71%	0.887%
70	7.027	6.962	7.048	VV	20685	744069	46.52%	1.604%
71	7.074	7.048	7.102	VV	39356	744505	46.55%	1.605%
72	7.109	7.102	7.120	VV	13240	143736	8.99%	0.310%
73	7.149	7.120	7.171	VV	27825	563989	35.26%	1.216%
74	7.216	7.171	7.233	VV	20754	553851	34.63%	1.194%
75	7.250	7.233	7.257	VV	18000	226199	14.14%	0.488%
76	7.281	7.257	7.299	VV	24600	499867	31.25%	1.078%
77	7.318	7.299	7.349	VV	27097	584553	36.55%	1.260%
78	7.383	7.349	7.423	VV	22844	766059	47.89%	1.652%
79	7.430	7.423	7.443	VV	13127	150570	9.41%	0.325%
80	7.468	7.443	7.507	VV	87923	1430676	89.45%	3.085%
81	7.526	7.507	7.547	VV	25916	472467	29.54%	1.019%
82	7.568	7.547	7.585	VV	29425	472399	29.53%	1.019%
83	7.595	7.585	7.609	VV	17551	234894	14.69%	0.506%
84	7.615	7.609	7.627	VV	14385	145446	9.09%	0.314%
85	7.670	7.627	7.689	VV	24041	713101	44.58%	1.538%
86	7.698	7.689	7.720	VV	17821	298692	18.67%	0.644%
87	7.745	7.720	7.773	VV	19799	547704	34.24%	1.181%
88	7.778	7.773	7.795	VV	16360	197005	12.32%	0.425%
89	7.804	7.795	7.814	VV	13357	151392	9.46%	0.326%

					rteres			
90	7.830	7.814	7.843	VV	15594	248375	15.53%	0.536%
91	7.872	7.843	7.901	VV	25999	668543	41.80%	1.441%
92	7.919	7.901	7.939	VV	18319	333928	20.88%	0.720%
93	7.957	7.939	7.968	VV	15046	228326	14.27%	0.492%
94	7.985	7.968	7.998	VV	18981	296937	18.56%	0.640%
95	8.010	7.998	8.016	VV	18753	196509	12.29%	0.424%
96	8.036	8.016	8.065	VV	31912	613182	38.34%	1.322%
97	8.079	8.065	8.097	VV	14743	261213	16.33%	0.563%
98	8.128	8.097	8.147	VV	22582	474170	29.64%	1.022%
99	8.166	8.147	8.192	VV	16936	405559	25.36%	0.874%
100	8.215	8.192	8.230	VV	15538	330722	20.68%	0.713%
101	8.257	8.230	8.262	VV	18079	307239	19.21%	0.662%
102	8.280	8.262	8.293	VV	19593	344018	21.51%	0.742%
103	8.307	8.293	8.345	VV	22495	551589	34.49%	1.189%
104	8.396	8.345	8.430	VV	79535	1599502	100.00%	3.449%
105	8.450	8.430	8.469	VV	18103	374955	23.44%	0.808%
106	8.494	8.469	8.511	VV	39037	647246	40.47%	1.396%
107	8.523	8.511	8.546	VV	27912	453213	28.33%	0.977%
108	8.561	8.546	8.598	VV	20265	515440	32.23%	1.111%
109	8.615	8.598	8.634	VV	16196	322812	20.18%	0.696%
110	8.659	8.634	8.691	VV	20024	585172	36.58%	1.262%
111	8.700	8.691	8.715	VV	13079	184128	11.51%	0.397%
112	8.737	8.715	8.758	VV	35887	575120	35.96%	1.240%
113	8.770	8.758	8.782	VV	16339	219324	13.71%	0.473%
114	8.794	8.782	8.810	VV	17397	256525	16.04%	0.553%
115	8.826	8.810	8.841	VV	16070	256000	16.00%	0.552%
116	8.864	8.841	8.896	VV	15640	426478	26.66%	0.920%
117	8.909	8.896	8.917	VV	10767	130706	8.17%	0.282%
118	8.937	8.917	8.952	VV	20190	319106	19.95%	0.688%
119	8.971	8.952	8.990	VV	16704	315112	19.70%	0.679%
120	8.996	8.990	9.017	VV	11018	168564	10.54%	0.363%
121	9.037	9.017	9.063	VV	25204	423892	26.50%	0.914%
122	9.119	9.063	9.145	VV	44553	986007	61.64%	2.126%
123	9.148	9.145	9.178	VV	11467	203805	12.74%	0.439%
124	9.200	9.178	9.208	VV	12813	193603	12.10%	0.417%
125	9.223	9.208	9.244	VV	16215	291669	18.23%	0.629%
126	9.264	9.244	9.282	VV	14993	284981	17.82%	0.614%
127	9.295	9.282	9.315	VV	10641	182434	11.41%	0.393%
128	9.348	9.315	9.363	VV	14632	330489	20.66%	0.713%
129	9.371	9.363	9.379	VV	11076	102870	6.43%	0.222%
130	9.393	9.379	9.409	VV	15278	214591	13.42%	0.463%
131	9.434	9.409	9.470	VV	17028	377683	23.61%	0.814%
132	9.490	9.470	9.514	VV	9210	196103	12.26%	0.423%
133	9.550	9.514	9.568	VV	12840	273727	17.11%	0.590%
134	9.582	9.568	9.598	VV	9566	132124	8.26%	0.285%
135	9.609	9.598	9.618	VV	6030	67461	4.22%	0.145%
136	9.635	9.618	9.652	VV	6518	121792	7.61%	0.263%
137	9.667	9.652	9.672	VV	7645	80175	5.01%	0.173%
138	9.688	9.672	9.724	VV	12687	257454	16.10%	0.555%
139	9.731	9.724	9.751	VV	5665	79832	4.99%	0.172%
140	9.776	9.751	9.790	VV	9768	162560	10.16%	0.351%
141	9.796	9.790	9.826	VV	7751	120903	7.56%	0.261%

rteres								
142	9.854	9.826	9.907	VV	11720	300854	18.81%	0.649%
143	9.946	9.907	9.965	VV	7451	181994	11.38%	0.392%
144	9.976	9.965	9.995	VV	5227	72555	4.54%	0.156%
145	10.018	9.995	10.040	VV	3108	73833	4.62%	0.159%
146	10.053	10.040	10.077	VV	2775	53176	3.32%	0.115%
147	10.096	10.077	10.118	VV	4328	77472	4.84%	0.167%
148	10.145	10.118	10.171	VV	4986	113947	7.12%	0.246%
149	10.192	10.171	10.212	VV	4139	78386	4.90%	0.169%
150	10.221	10.212	10.233	VV	2223	25747	1.61%	0.056%
151	10.251	10.233	10.275	VV	2520	55307	3.46%	0.119%
152	10.291	10.275	10.329	VV	2837	57723	3.61%	0.124%
153	10.358	10.329	10.388	VV	2504	49583	3.10%	0.107%
154	10.400	10.388	10.408	VV	1024	10733	0.67%	0.023%
155	10.418	10.408	10.443	VV	936	13733	0.86%	0.030%
156	10.462	10.443	10.491	VV	1265	17753	1.11%	0.038%
157	10.518	10.491	10.549	VV	1904	26043	1.63%	0.056%
158	10.576	10.549	10.604	VV	9658	133718	8.36%	0.288%
159	10.627	10.604	10.637	VV	1774	22453	1.40%	0.048%
160	10.653	10.637	10.678	VV	2235	31213	1.95%	0.067%
161	10.725	10.701	10.747	BV	342	-3364	-0.21%	-0.007%
162	10.771	10.747	10.808	PV	1730	37375	2.34%	0.081%
163	10.835	10.808	10.848	VV	1533	25136	1.57%	0.054%
164	10.863	10.848	10.887	VV	1302	24508	1.53%	0.053%
165	10.907	10.887	10.923	VV	1493	23235	1.45%	0.050%
166	10.944	10.923	10.964	VV	1635	28914	1.81%	0.062%
167	11.000	10.964	11.030	VV	12591	190954	11.94%	0.412%
168	11.044	11.030	11.095	VV	1098	23116	1.45%	0.050%
169	11.141	11.095	11.156	VV	727	16152	1.01%	0.035%
170	11.176	11.156	11.196	VV	2147	28470	1.78%	0.061%
171	11.201	11.196	11.236	VV	611	8356	0.52%	0.018%
172	11.264	11.236	11.293	VV	890	16715	1.05%	0.036%
173	11.323	11.293	11.345	VV	1359	19639	1.23%	0.042%
174	11.362	11.345	11.376	VV	263	3260	0.20%	0.007%
175	11.398	11.376	11.434	VV	479	9774	0.61%	0.021%
176	11.438	11.434	11.443	VV	201	926	0.06%	0.002%
177	11.460	11.443	11.468	VV	456	4860	0.30%	0.010%
178	11.489	11.468	11.511	VV	1125	16353	1.02%	0.035%
179	11.534	11.511	11.555	PV	867	15276	0.96%	0.033%
180	11.570	11.555	11.617	VV	766	22695	1.42%	0.049%
181	11.628	11.617	11.640	VV	669	7330	0.46%	0.016%
182	11.657	11.640	11.682	VV	800	14617	0.91%	0.032%
183	11.724	11.682	11.759	VV	5032	86951	5.44%	0.187%
184	11.777	11.759	11.799	VV	604	8889	0.56%	0.019%
185	11.831	11.799	11.856	VV	1062	16207	1.01%	0.035%
186	11.875	11.856	11.888	VV	409	6219	0.39%	0.013%
187	11.901	11.888	11.907	VV	496	4758	0.30%	0.010%
188	11.918	11.907	11.934	VV	521	7451	0.47%	0.016%
189	11.940	11.934	11.954	VV	445	4136	0.26%	0.009%
190	11.982	11.954	11.995	VV	1186	16857	1.05%	0.036%
191	12.012	11.995	12.056	VV	1668	22823	1.43%	0.049%
192	12.078	12.056	12.092	PV	518	7009	0.44%	0.015%
193	12.130	12.092	12.149	VV	1341	26467	1.65%	0.057%
194	12.162	12.149	12.223	VV	1050	23408	1.46%	0.050%

					rteres			
195	12.241	12.223	12.254	VV	426	6311	0.39%	0.014%
196	12.284	12.254	12.306	VV	1596	29211	1.83%	0.063%
197	12.320	12.306	12.358	VV	703	11911	0.74%	0.026%
198	12.384	12.358	12.395	VV	493	6838	0.43%	0.015%
199	12.428	12.395	12.445	VV	528	11606	0.73%	0.025%
200	12.450	12.445	12.469	VV	324	4078	0.25%	0.009%
201	12.485	12.469	12.497	VV	381	5112	0.32%	0.011%
202	12.518	12.497	12.529	VV	613	9165	0.57%	0.020%
203	12.547	12.529	12.587	VV	1574	28244	1.77%	0.061%
204	12.593	12.587	12.598	VV	475	2653	0.17%	0.006%
205	12.602	12.598	12.621	VV	492	5632	0.35%	0.012%
206	12.630	12.621	12.646	VV	404	5172	0.32%	0.011%
207	12.663	12.646	12.691	VV	475	8563	0.54%	0.018%
208	12.706	12.691	12.711	VV	324	3160	0.20%	0.007%
209	12.731	12.711	12.750	VV	534	8882	0.56%	0.019%
210	12.775	12.750	12.841	VV	813	23716	1.48%	0.051%
211	12.882	12.841	12.904	VV	1420	28472	1.78%	0.061%
212	12.917	12.904	12.933	VV	699	9958	0.62%	0.021%
213	12.946	12.933	12.980	VV	783	12828	0.80%	0.028%
214	12.999	12.980	13.043	VV	823	15012	0.94%	0.032%
215	13.053	13.043	13.058	VV	257	1860	0.12%	0.004%
216	13.070	13.058	13.082	VV	255	2913	0.18%	0.006%
217	13.093	13.082	13.108	VV	302	3720	0.23%	0.008%
218	13.124	13.108	13.149	VV	282	4334	0.27%	0.009%
219	13.185	13.149	13.190	PV	163	2304	0.14%	0.005%
220	13.193	13.190	13.196	VV	158	444	0.03%	0.001%
221	13.202	13.196	13.212	VV	227	1675	0.10%	0.004%
222	13.223	13.212	13.235	VV	219	2429	0.15%	0.005%
223	13.240	13.235	13.264	VV	209	2627	0.16%	0.006%
224	13.270	13.264	13.281	VV	118	982	0.06%	0.002%
225	13.296	13.281	13.320	VV	536	7177	0.45%	0.015%
226	13.334	13.320	13.353	VV	305	3932	0.25%	0.008%
227	13.360	13.353	13.384	VV	163	2489	0.16%	0.005%
228	13.391	13.384	13.411	VV	236	2785	0.17%	0.006%
229	13.442	13.411	13.503	VV	578	16526	1.03%	0.036%
230	13.506	13.503	13.526	VV	247	1856	0.12%	0.004%
231	13.533	13.526	13.540	VV	68	333	0.02%	0.001%
232	13.568	13.540	13.613	PV	373	10590	0.66%	0.023%
233	13.629	13.613	13.664	VV	411	6653	0.42%	0.014%
234	13.670	13.664	13.683	VV	183	1312	0.08%	0.003%
235	13.694	13.683	13.712	VV	252	2729	0.17%	0.006%
236	13.730	13.712	13.752	VV	287	3940	0.25%	0.008%
237	13.785	13.752	13.824	PV	712	13055	0.82%	0.028%
238	13.841	13.824	13.860	VV	217	3764	0.24%	0.008%
239	13.868	13.860	13.871	VV	160	993	0.06%	0.002%
240	13.883	13.871	13.890	VV	240	2027	0.13%	0.004%
241	13.894	13.890	13.905	VV	181	1005	0.06%	0.002%
242	13.917	13.905	13.924	VV	103	933	0.06%	0.002%
243	13.931	13.924	13.944	VV	156	1126	0.07%	0.002%
244	13.964	13.944	13.988	VV	237	4328	0.27%	0.009%
245	13.997	13.988	14.028	VV	245	4029	0.25%	0.009%
246	14.035	14.028	14.043	VV	213	1361	0.09%	0.003%

					rteres			
247	14.060	14.043	14.071	VV	235	3143	0.20%	0.007%
248	14.075	14.071	14.096	VV	187	2302	0.14%	0.005%
249	14.099	14.096	14.113	VV	184	1157	0.07%	0.002%
250	14.119	14.113	14.126	VV	127	792	0.05%	0.002%
251	14.160	14.126	14.192	VV	296	6412	0.40%	0.014%
252	14.200	14.192	14.230	VV	176	2990	0.19%	0.006%
253	14.237	14.230	14.271	VV	128	2523	0.16%	0.005%
254	14.280	14.271	14.318	VV	135	2085	0.13%	0.004%
255	14.323	14.318	14.333	VV	51	331	0.02%	0.001%
256	14.356	14.333	14.368	PV	184	2203	0.14%	0.005%
257	14.381	14.368	14.427	VV	258	5344	0.33%	0.012%
258	14.433	14.427	14.445	VV	162	1238	0.08%	0.003%
259	14.449	14.445	14.465	VV	152	1237	0.08%	0.003%
260	14.470	14.465	14.483	VV	133	838	0.05%	0.002%
261	14.486	14.483	14.492	VV	108	334	0.02%	0.001%
262	14.508	14.492	14.513	VV	144	1351	0.08%	0.003%
263	14.518	14.513	14.556	VV	156	3057	0.19%	0.007%
264	14.560	14.556	14.570	VV	142	762	0.05%	0.002%
265	14.580	14.570	14.586	VV	103	803	0.05%	0.002%
266	14.597	14.586	14.603	VV	131	1059	0.07%	0.002%
267	14.605	14.603	14.608	VV	133	366	0.02%	0.001%
268	14.612	14.608	14.620	VV	127	775	0.05%	0.002%
269	14.623	14.620	14.648	VV	144	1659	0.10%	0.004%
270	14.662	14.648	14.685	VV	153	2005	0.13%	0.004%
271	14.711	14.685	14.735	VV	196	3617	0.23%	0.008%
272	14.747	14.735	14.765	VV	120	1446	0.09%	0.003%
273	14.787	14.765	14.797	VV	141	2074	0.13%	0.004%
274	14.833	14.797	14.851	VV	210	4225	0.26%	0.009%
275	14.874	14.851	14.885	VV	211	3138	0.20%	0.007%
276	14.888	14.885	14.896	VV	121	636	0.04%	0.001%
277	14.901	14.896	14.910	VV	106	562	0.04%	0.001%
278	14.915	14.910	14.920	PV	57	243	0.02%	0.001%
279	14.929	14.920	14.938	VV	106	652	0.04%	0.001%
280	14.943	14.938	14.949	VV	117	380	0.02%	0.001%
281	14.963	14.949	14.971	VV	95	997	0.06%	0.002%
282	14.975	14.971	14.981	VV	129	554	0.03%	0.001%
283	14.988	14.981	15.013	VV	141	1787	0.11%	0.004%
284	15.045	15.013	15.071	VV	1384	19368	1.21%	0.042%
285	15.085	15.071	15.124	VV	160	2989	0.19%	0.006%
286	15.134	15.124	15.168	VV	95	1937	0.12%	0.004%
287	15.179	15.168	15.192	VV	151	1692	0.11%	0.004%
288	15.245	15.192	15.281	VV	343	10186	0.64%	0.022%
289	15.287	15.281	15.312	VV	151	1945	0.12%	0.004%
290	15.326	15.312	15.333	VV	145	1188	0.07%	0.003%
291	15.337	15.333	15.365	VV	144	1638	0.10%	0.004%
292	15.386	15.365	15.402	VV	162	2447	0.15%	0.005%
293	15.413	15.402	15.421	PV	89	714	0.04%	0.002%
294	15.435	15.421	15.440	VV	438	1289	0.08%	0.003%
295	15.446	15.440	15.453	VV	106	627	0.04%	0.001%
296	15.460	15.453	15.472	VV	105	672	0.04%	0.001%
297	15.491	15.472	15.504	VV	95	1263	0.08%	0.003%
298	15.513	15.504	15.529	VV	88	879	0.05%	0.002%
299	15.535	15.529	15.550	VV	99	627	0.04%	0.001%

					rteres			
300	15.566	15.550	15.573	VV	85	666	0.04%	0.001%
301	15.579	15.573	15.585	VV	59	318	0.02%	0.001%
302	15.598	15.585	15.605	VV	100	732	0.05%	0.002%
303	15.629	15.605	15.663	VV	324	6854	0.43%	0.015%
304	15.676	15.663	15.692	VV	205	2919	0.18%	0.006%
305	15.696	15.692	15.707	VV	151	1036	0.06%	0.002%
306	15.727	15.707	15.741	VV	141	1952	0.12%	0.004%
307	15.772	15.741	15.788	VV	250	3923	0.25%	0.008%
308	15.791	15.788	15.799	VV	127	673	0.04%	0.001%
309	15.806	15.799	15.818	VV	134	1196	0.07%	0.003%
310	15.843	15.818	15.870	VV	224	4356	0.27%	0.009%
311	15.874	15.870	15.901	VV	104	943	0.06%	0.002%
312	15.907	15.901	15.912	VV	86	469	0.03%	0.001%
313	15.917	15.912	15.941	VV	99	825	0.05%	0.002%
314	15.946	15.941	15.977	VV	40	516	0.03%	0.001%
315	15.984	15.977	15.990	PV	109	416	0.03%	0.001%
316	16.006	15.990	16.013	VV	103	770	0.05%	0.002%
317	16.021	16.013	16.038	VV	127	1145	0.07%	0.002%
318	16.051	16.038	16.061	VV	120	1219	0.08%	0.003%
319	16.073	16.061	16.082	VV	130	1164	0.07%	0.003%
320	16.091	16.082	16.120	VV	113	1634	0.10%	0.004%
321	16.143	16.120	16.158	VV	128	1672	0.10%	0.004%
322	16.163	16.158	16.178	VV	102	599	0.04%	0.001%
323	16.185	16.178	16.202	PV	79	797	0.05%	0.002%
324	16.215	16.202	16.220	VV	85	608	0.04%	0.001%
325	16.227	16.220	16.237	VV	93	718	0.04%	0.002%
326	16.272	16.237	16.303	VV	284	4674	0.29%	0.010%
327	16.307	16.303	16.320	PV	104	604	0.04%	0.001%
328	16.340	16.320	16.366	VV	85	1529	0.10%	0.003%
329	16.372	16.366	16.389	VV	125	962	0.06%	0.002%
330	16.397	16.389	16.403	VV	79	545	0.03%	0.001%
331	16.414	16.403	16.425	VV	122	1002	0.06%	0.002%
332	16.445	16.425	16.506	VV	159	4502	0.28%	0.010%
333	16.510	16.506	16.529	VV	83	436	0.03%	0.001%
334	16.580	16.529	16.595	PV	115	2160	0.14%	0.005%
335	16.600	16.595	16.611	VV	97	673	0.04%	0.001%
336	16.630	16.611	16.636	VV	116	1202	0.08%	0.003%
337	16.654	16.636	16.688	VV	122	2460	0.15%	0.005%
338	16.754	16.688	16.781	VV	370	8476	0.53%	0.018%
339	16.830	16.781	16.863	VV	146	4585	0.29%	0.010%
340	16.868	16.863	16.881	VV	73	722	0.05%	0.002%
341	16.904	16.881	16.938	VV	136	2726	0.17%	0.006%
342	16.947	16.938	16.955	VV	102	739	0.05%	0.002%
343	17.041	16.955	17.080	VV	94	5034	0.31%	0.011%
344	17.114	17.080	17.136	VV	158	3613	0.23%	0.008%
345	17.146	17.136	17.158	VV	107	1193	0.07%	0.003%
346	17.221	17.158	17.258	VV	538	12212	0.76%	0.026%
347	17.275	17.258	17.332	VV	222	4853	0.30%	0.010%
348	17.340	17.332	17.351	VBA	110	-1174	-0.07%	-0.003%
Sum of corrected areas:						46378594		

Report of Analysis

Client:	ENTACT	Date Collected:	11/05/24
Project:	North Point	Date Received:	11/05/24
Client Sample ID:	EX-2-TPH-2	SDG No.:	P4721
Lab Sample ID:	P4721-02	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	83
Sample Wt/Vol:	30.09	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
FG014695.D	100	11/07/24 08:30	11/08/24 3:44	PB164744

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	1270000		22200	200000	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_G\Data\FG110724\
Data File : FG014695.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 03:44
Operator : YP\AJ
Sample : P4721-02 100X
Misc :
ALS Vial : 81 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-2-TPH-2

Integration File: autoint1.e
Quant Time: Nov 08 05:28:49 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Quant Title :
QLast Update : Mon Oct 21 17:03:32 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

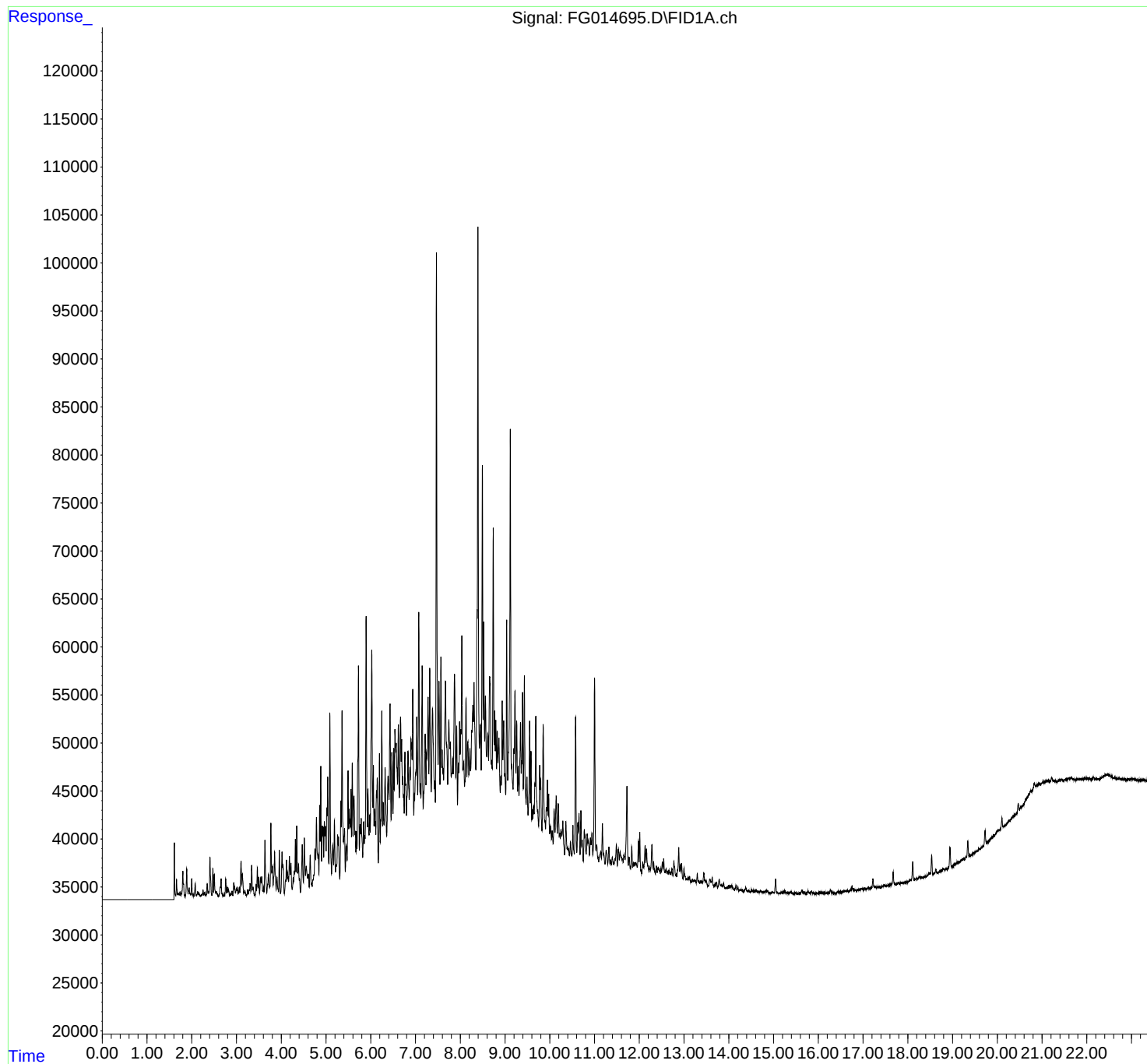
(m)=manual int.

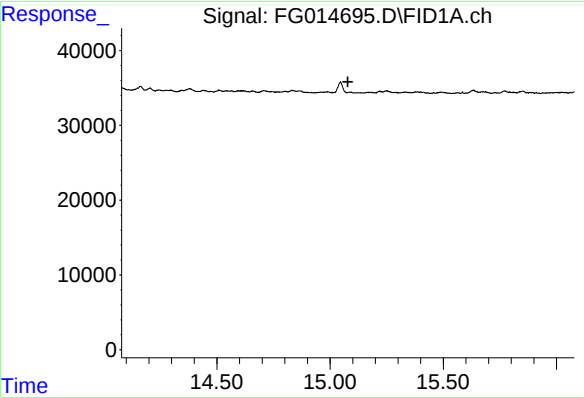
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110724\
Data File : FG014695.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 03:44
Operator : YP\AJ
Sample : P4721-02 100X
Misc :
ALS Vial : 81 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-2-TPH-2

Integration File: autoint1.e
Quant Time: Nov 08 05:28:49 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Quant Title :
QLast Update : Mon Oct 21 17:03:32 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.: 15.079 min
Response: 0
Conc: N.D.

Instrument :
FID_G
ClientSampleId :
EX-2-TPH-2

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110724\
Data File : FG014695.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 03:44
Sample : P4721-02 100X
Misc :
ALS Vial : 81 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.591	4.583	4.597	VV	1580	12557	0.92%	0.030%
2	4.608	4.597	4.625	VV	1889	22462	1.64%	0.054%
3	4.646	4.625	4.671	VV	3815	57808	4.22%	0.139%
4	4.678	4.671	4.692	VV	895	9206	0.67%	0.022%
5	4.753	4.692	4.769	VV	4421	105150	7.68%	0.253%
6	4.787	4.769	4.821	VV	7749	154011	11.25%	0.371%
7	4.828	4.821	4.841	VV	3787	38892	2.84%	0.094%
8	4.858	4.841	4.869	VV	8950	97154	7.10%	0.234%
9	4.883	4.869	4.900	VV	13016	151219	11.04%	0.364%
10	4.918	4.900	4.928	VV	6791	90609	6.62%	0.218%
11	4.936	4.928	4.949	VV	6679	72005	5.26%	0.173%
12	4.963	4.949	4.976	VV	7212	91848	6.71%	0.221%
13	4.989	4.976	5.003	VV	6720	93930	6.86%	0.226%
14	5.018	5.003	5.025	VV	8640	95529	6.98%	0.230%
15	5.038	5.025	5.064	VV	11856	164334	12.00%	0.396%
16	5.087	5.064	5.125	VV	18496	265375	19.38%	0.639%
17	5.152	5.125	5.171	VV	4739	96516	7.05%	0.233%
18	5.189	5.171	5.212	VV	7270	108283	7.91%	0.261%
19	5.226	5.212	5.235	VV	2610	33516	2.45%	0.081%
20	5.259	5.235	5.270	VV	5739	85040	6.21%	0.205%
21	5.279	5.270	5.308	VV	5498	78148	5.71%	0.188%
22	5.332	5.308	5.342	VV	9263	110794	8.09%	0.267%
23	5.359	5.342	5.390	VV	18648	288040	21.04%	0.694%
24	5.414	5.390	5.432	VV	6354	125012	9.13%	0.301%
25	5.450	5.432	5.471	VV	4595	88305	6.45%	0.213%
26	5.493	5.471	5.507	VV	12342	166984	12.20%	0.402%
27	5.517	5.507	5.527	VV	8335	90284	6.59%	0.218%
28	5.534	5.527	5.543	VV	7328	66461	4.85%	0.160%
29	5.558	5.543	5.571	VV	10393	134886	9.85%	0.325%
30	5.587	5.571	5.604	VV	13132	186252	13.60%	0.449%
31	5.623	5.604	5.647	VV	9632	203050	14.83%	0.489%
32	5.654	5.647	5.668	VV	5975	67196	4.91%	0.162%
33	5.682	5.668	5.693	VV	5954	73136	5.34%	0.176%
34	5.726	5.693	5.746	VV	23198	405251	29.60%	0.976%
35	5.761	5.746	5.772	VV	6637	85716	6.26%	0.207%
36	5.786	5.772	5.821	VV	7267	164028	11.98%	0.395%

					rteres			
37	5.841	5.821	5.856	VV	6889	115140	8.41%	0.277%
38	5.867	5.856	5.874	VV	5476	55425	4.05%	0.134%
39	5.897	5.874	5.925	VV	28269	441408	32.24%	1.064%
40	5.938	5.925	5.963	VV	10269	169324	12.37%	0.408%
41	5.978	5.963	5.989	VV	7564	103560	7.56%	0.250%
42	6.023	5.989	6.048	VV	24748	513040	37.47%	1.236%
43	6.059	6.048	6.073	VV	12694	147979	10.81%	0.357%
44	6.083	6.073	6.095	VV	8122	97942	7.15%	0.236%
45	6.102	6.095	6.112	VV	6854	64460	4.71%	0.155%
46	6.128	6.112	6.134	VV	10062	111689	8.16%	0.269%
47	6.144	6.134	6.168	VV	11350	150523	10.99%	0.363%
48	6.195	6.168	6.212	VV	13895	196668	14.36%	0.474%
49	6.247	6.212	6.266	VV	18296	326989	23.88%	0.788%
50	6.277	6.266	6.297	VV	8736	137746	10.06%	0.332%
51	6.320	6.297	6.356	VV	12374	298188	21.78%	0.719%
52	6.386	6.356	6.408	VV	11462	286360	20.92%	0.690%
53	6.431	6.408	6.455	VV	18990	365731	26.71%	0.881%
54	6.471	6.455	6.496	VV	13875	263571	19.25%	0.635%
55	6.514	6.496	6.526	VV	14323	196547	14.36%	0.474%
56	6.541	6.526	6.561	VV	16286	296340	21.64%	0.714%
57	6.568	6.561	6.597	VV	14840	282592	20.64%	0.681%
58	6.617	6.597	6.638	VV	16728	308216	22.51%	0.743%
59	6.665	6.638	6.680	VV	17550	348147	25.43%	0.839%
60	6.690	6.680	6.706	VV	15188	205832	15.03%	0.496%
61	6.715	6.706	6.730	VV	11324	151387	11.06%	0.365%
62	6.736	6.730	6.747	VV	9327	87994	6.43%	0.212%
63	6.763	6.747	6.796	VV	13847	303992	22.20%	0.732%
64	6.832	6.796	6.859	VV	13920	391462	28.59%	0.943%
65	6.874	6.859	6.883	VV	12195	153903	11.24%	0.371%
66	6.897	6.883	6.906	VV	15197	190517	13.92%	0.459%
67	6.913	6.906	6.923	VV	14803	148702	10.86%	0.358%
68	6.938	6.923	6.961	VV	20343	337859	24.68%	0.814%
69	6.972	6.961	6.980	VV	9363	97749	7.14%	0.236%
70	7.028	6.980	7.047	VV	17402	487477	35.60%	1.175%
71	7.073	7.047	7.100	VV	28276	541252	39.53%	1.304%
72	7.109	7.100	7.120	VV	10450	119922	8.76%	0.289%
73	7.149	7.120	7.171	VV	22707	443589	32.40%	1.069%
74	7.216	7.171	7.234	VV	15543	425017	31.04%	1.024%
75	7.251	7.234	7.257	VV	13740	169456	12.38%	0.408%
76	7.280	7.257	7.298	VV	19393	383317	28.00%	0.924%
77	7.318	7.298	7.350	VV	22393	478030	34.91%	1.152%
78	7.379	7.350	7.422	VV	18160	592407	43.27%	1.427%
79	7.431	7.422	7.443	VV	10616	127437	9.31%	0.307%
80	7.467	7.443	7.505	VV	65552	1069888	78.14%	2.578%
81	7.524	7.505	7.546	VV	20952	401599	29.33%	0.968%
82	7.567	7.546	7.584	VV	23489	371887	27.16%	0.896%
83	7.595	7.584	7.608	VV	13779	180918	13.21%	0.436%
84	7.615	7.608	7.628	VV	11836	137391	10.03%	0.331%
85	7.670	7.628	7.719	VV	20912	817011	59.67%	1.969%
86	7.745	7.719	7.772	VV	16883	448542	32.76%	1.081%
87	7.779	7.772	7.799	VV	14568	210509	15.38%	0.507%
88	7.829	7.799	7.843	VV	12832	306553	22.39%	0.739%
89	7.872	7.843	7.900	VV	21561	552997	40.39%	1.332%

					rteres			
90	7.919	7.900	7.939	VV	16178	296042	21.62%	0.713%
91	7.957	7.939	7.968	VV	12307	189682	13.85%	0.457%
92	7.985	7.968	7.998	VV	16560	253088	18.49%	0.610%
93	8.011	7.998	8.016	VV	15792	160897	11.75%	0.388%
94	8.035	8.016	8.063	VV	25532	496563	36.27%	1.196%
95	8.078	8.063	8.096	VV	12435	224059	16.36%	0.540%
96	8.128	8.096	8.148	VV	18959	418269	30.55%	1.008%
97	8.169	8.148	8.192	VV	14396	344341	25.15%	0.830%
98	8.216	8.192	8.234	VV	13725	308132	22.51%	0.742%
99	8.256	8.234	8.260	VV	15619	214802	15.69%	0.518%
100	8.282	8.260	8.294	VV	18199	338685	24.74%	0.816%
101	8.307	8.294	8.350	VV	20561	534351	39.03%	1.288%
102	8.395	8.350	8.428	VV	68008	1369146	100.00%	3.299%
103	8.449	8.428	8.468	VV	16068	345813	25.26%	0.833%
104	8.494	8.468	8.511	VV	43107	669848	48.92%	1.614%
105	8.524	8.511	8.546	VV	26791	426746	31.17%	1.028%
106	8.562	8.546	8.595	VV	19080	456938	33.37%	1.101%
107	8.617	8.595	8.634	VV	15157	319549	23.34%	0.770%
108	8.658	8.634	8.693	VV	21032	609002	44.48%	1.467%
109	8.700	8.693	8.714	VV	12256	151058	11.03%	0.364%
110	8.737	8.714	8.758	VV	36479	588445	42.98%	1.418%
111	8.771	8.758	8.783	VV	17443	230459	16.83%	0.555%
112	8.795	8.783	8.811	VV	16472	242232	17.69%	0.584%
113	8.826	8.811	8.842	VV	15330	242609	17.72%	0.585%
114	8.864	8.842	8.894	VV	14569	378874	27.67%	0.913%
115	8.907	8.894	8.917	VV	10555	140966	10.30%	0.340%
116	8.937	8.917	8.952	VV	18432	292639	21.37%	0.705%
117	8.971	8.952	8.991	VV	16333	315961	23.08%	0.761%
118	8.996	8.991	9.016	VV	10836	152285	11.12%	0.367%
119	9.037	9.016	9.060	VV	26817	426905	31.18%	1.029%
120	9.119	9.060	9.141	VV	46648	1005449	73.44%	2.423%
121	9.145	9.141	9.180	VV	11791	244346	17.85%	0.589%
122	9.199	9.180	9.206	VV	13376	179664	13.12%	0.433%
123	9.223	9.206	9.243	VV	19364	341134	24.92%	0.822%
124	9.262	9.243	9.281	VV	16259	292630	21.37%	0.705%
125	9.295	9.281	9.312	VV	11492	191085	13.96%	0.460%
126	9.347	9.312	9.362	VV	16053	370277	27.04%	0.892%
127	9.372	9.362	9.379	VV	12048	113408	8.28%	0.273%
128	9.392	9.379	9.409	VV	19154	262948	19.21%	0.634%
129	9.434	9.409	9.471	VV	20860	448907	32.79%	1.082%
130	9.490	9.471	9.515	VV	10336	220519	16.11%	0.531%
131	9.551	9.515	9.567	VV	16127	324853	23.73%	0.783%
132	9.581	9.567	9.598	VV	13010	171723	12.54%	0.414%
133	9.609	9.598	9.619	VV	6914	82320	6.01%	0.198%
134	9.637	9.619	9.651	VV	7234	127658	9.32%	0.308%
135	9.667	9.651	9.672	VV	9568	105298	7.69%	0.254%
136	9.688	9.672	9.725	VV	16608	325755	23.79%	0.785%
137	9.731	9.725	9.754	VV	6839	104477	7.63%	0.252%
138	9.775	9.754	9.788	VV	11442	181102	13.23%	0.436%
139	9.797	9.788	9.825	VV	9969	163991	11.98%	0.395%
140	9.853	9.825	9.885	VV	15694	329659	24.08%	0.794%
141	9.891	9.885	9.907	VV	5640	68774	5.02%	0.166%

					rteres			
142	9.924	9.907	9.931	VV	7010	90729	6.63%	0.219%
143	9.947	9.931	9.964	VV	9853	157551	11.51%	0.380%
144	9.977	9.964	9.997	VV	8373	128717	9.40%	0.310%
145	10.015	9.997	10.039	VV	5025	110143	8.04%	0.265%
146	10.053	10.039	10.076	VV	4521	86192	6.30%	0.208%
147	10.097	10.076	10.118	VV	6803	131276	9.59%	0.316%
148	10.144	10.118	10.169	VV	8110	186861	13.65%	0.450%
149	10.190	10.169	10.213	VV	7280	149719	10.94%	0.361%
150	10.221	10.213	10.233	VV	4245	47862	3.50%	0.115%
151	10.250	10.233	10.272	VV	4585	97562	7.13%	0.235%
152	10.292	10.272	10.328	VV	5451	129077	9.43%	0.311%
153	10.359	10.328	10.387	VV	5370	123064	8.99%	0.297%
154	10.399	10.387	10.410	VV	2588	34427	2.51%	0.083%
155	10.420	10.410	10.440	VV	2526	40560	2.96%	0.098%
156	10.462	10.440	10.480	VV	3206	60057	4.39%	0.145%
157	10.485	10.480	10.494	VV	1967	15482	1.13%	0.037%
158	10.517	10.494	10.549	VV	4948	95311	6.96%	0.230%
159	10.577	10.549	10.603	VV	16188	251081	18.34%	0.605%
160	10.627	10.603	10.637	VV	5159	78251	5.72%	0.189%
161	10.653	10.637	10.677	VV	6162	100796	7.36%	0.243%
162	10.696	10.677	10.715	VV	6398	91712	6.70%	0.221%
163	10.725	10.715	10.748	VV	3336	47167	3.44%	0.114%
164	10.772	10.748	10.782	VV	4414	62083	4.53%	0.150%
165	10.790	10.782	10.814	VV	3783	54930	4.01%	0.132%
166	10.835	10.814	10.850	VV	3929	66707	4.87%	0.161%
167	10.862	10.850	10.887	VV	3240	59400	4.34%	0.143%
168	10.908	10.887	10.923	VV	3489	60241	4.40%	0.145%
169	10.942	10.923	10.961	VV	3966	69498	5.08%	0.167%
170	11.001	10.961	11.032	VV	20138	328527	24.00%	0.792%
171	11.048	11.032	11.070	VV	2696	51440	3.76%	0.124%
172	11.077	11.070	11.092	VV	1449	15965	1.17%	0.038%
173	11.139	11.092	11.154	VV	1991	56556	4.13%	0.136%
174	11.177	11.154	11.199	VV	4879	74395	5.43%	0.179%
175	11.205	11.199	11.234	VV	1704	26376	1.93%	0.064%
176	11.259	11.234	11.294	VV	2081	49069	3.58%	0.118%
177	11.321	11.294	11.344	VV	2393	41708	3.05%	0.100%
178	11.357	11.344	11.374	VV	1053	14808	1.08%	0.036%
179	11.397	11.374	11.426	VV	1329	28136	2.06%	0.068%
180	11.432	11.426	11.440	VV	701	5408	0.39%	0.013%
181	11.456	11.440	11.464	VV	1130	13231	0.97%	0.032%
182	11.488	11.464	11.509	VV	2574	42226	3.08%	0.102%
183	11.534	11.509	11.554	VV	2078	38396	2.80%	0.093%
184	11.572	11.554	11.597	VV	1809	36564	2.67%	0.088%
185	11.602	11.597	11.614	VV	1212	11473	0.84%	0.028%
186	11.624	11.614	11.639	VV	1027	13824	1.01%	0.033%
187	11.656	11.639	11.684	VV	1476	31288	2.29%	0.075%
188	11.725	11.684	11.755	VV	8631	154279	11.27%	0.372%
189	11.774	11.755	11.797	VV	1168	16622	1.21%	0.040%
190	11.832	11.797	11.857	PV	2243	28212	2.06%	0.068%
191	11.872	11.857	11.885	VV	557	5863	0.43%	0.014%
192	11.905	11.885	11.917	VV	556	8057	0.59%	0.019%
193	11.921	11.917	11.957	VV	499	6769	0.49%	0.016%
194	11.982	11.957	11.995	PV	2376	24700	1.80%	0.060%

					rteres			
195	12.011	12.000	12.053	BV	2886	20565	1.50%	0.050%
196	12.077	12.053	12.095	PV	1295	18248	1.33%	0.044%
197	12.130	12.095	12.147	VV	3001	53371	3.90%	0.129%
198	12.162	12.147	12.221	VV	2695	56215	4.11%	0.135%
199	12.236	12.221	12.253	VV	846	13672	1.00%	0.033%
200	12.282	12.253	12.309	VV	3232	58943	4.31%	0.142%
201	12.320	12.309	12.362	VV	1534	25857	1.89%	0.062%
202	12.383	12.362	12.402	VV	1108	17026	1.24%	0.041%
203	12.423	12.402	12.449	VV	972	22591	1.65%	0.054%
204	12.454	12.449	12.469	VV	694	7182	0.52%	0.017%
205	12.485	12.469	12.497	VV	993	12406	0.91%	0.030%
206	12.517	12.497	12.532	VV	1646	25530	1.86%	0.062%
207	12.546	12.532	12.580	VV	2034	32713	2.39%	0.079%
208	12.600	12.580	12.614	VV	1010	16460	1.20%	0.040%
209	12.630	12.614	12.646	VV	790	12516	0.91%	0.030%
210	12.663	12.646	12.693	VV	943	20058	1.46%	0.048%
211	12.706	12.693	12.713	VV	738	7441	0.54%	0.018%
212	12.731	12.713	12.752	VV	1169	18707	1.37%	0.045%
213	12.774	12.752	12.815	VV	1952	42006	3.07%	0.101%
214	12.820	12.815	12.837	VV	592	6818	0.50%	0.016%
215	12.882	12.837	12.902	VV	3464	64700	4.73%	0.156%
216	12.918	12.902	12.933	VV	1741	25032	1.83%	0.060%
217	12.945	12.933	12.979	VV	1874	28697	2.10%	0.069%
218	12.999	12.979	13.047	VV	1428	28143	2.06%	0.068%
219	13.055	13.047	13.069	VV	364	4300	0.31%	0.010%
220	13.096	13.069	13.110	VV	613	10816	0.79%	0.026%
221	13.125	13.110	13.147	VV	686	9565	0.70%	0.023%
222	13.164	13.147	13.172	VV	219	2632	0.19%	0.006%
223	13.189	13.172	13.207	VV	433	6145	0.45%	0.015%
224	13.213	13.207	13.217	VV	320	1905	0.14%	0.005%
225	13.221	13.217	13.228	VV	360	2061	0.15%	0.005%
226	13.245	13.228	13.274	VV	442	8486	0.62%	0.020%
227	13.297	13.274	13.322	VV	1127	16112	1.18%	0.039%
228	13.336	13.322	13.351	VV	438	5105	0.37%	0.012%
229	13.366	13.351	13.383	VV	416	5515	0.40%	0.013%
230	13.394	13.383	13.418	VV	480	7552	0.55%	0.018%
231	13.443	13.418	13.500	VV	1311	33357	2.44%	0.080%
232	13.505	13.500	13.544	VV	469	5556	0.41%	0.013%
233	13.578	13.544	13.611	PV	855	20818	1.52%	0.050%
234	13.629	13.611	13.657	VV	982	16738	1.22%	0.040%
235	13.662	13.657	13.680	VV	289	2535	0.19%	0.006%
236	13.695	13.680	13.710	VV	502	5642	0.41%	0.014%
237	13.726	13.710	13.752	VV	630	9194	0.67%	0.022%
238	13.787	13.752	13.815	PV	961	19461	1.42%	0.047%
239	13.819	13.815	13.827	VV	330	2195	0.16%	0.005%
240	13.833	13.827	13.840	VV	338	2430	0.18%	0.006%
241	13.846	13.840	13.864	VV	370	4541	0.33%	0.011%
242	13.882	13.864	13.916	VV	607	10481	0.77%	0.025%
243	13.935	13.916	13.951	VV	188	2711	0.20%	0.007%
244	13.964	13.951	13.980	VV	245	3207	0.23%	0.008%
245	13.997	13.980	14.019	VV	476	7482	0.55%	0.018%
246	14.037	14.019	14.049	VV	493	6880	0.50%	0.017%

					rteres			
247	14.066	14.049	14.104	VV	541	11657	0.85%	0.028%
248	14.109	14.104	14.124	VV	161	1359	0.10%	0.003%
249	14.162	14.124	14.187	VV	606	11394	0.83%	0.027%
250	14.205	14.187	14.229	VV	446	5893	0.43%	0.014%
251	14.234	14.229	14.240	VV	163	864	0.06%	0.002%
252	14.245	14.240	14.269	VV	206	2457	0.18%	0.006%
253	14.279	14.269	14.290	VV	179	1922	0.14%	0.005%
254	14.297	14.290	14.321	VV	206	2089	0.15%	0.005%
255	14.345	14.321	14.355	PV	237	2353	0.17%	0.006%
256	14.380	14.355	14.425	VV	425	9761	0.71%	0.024%
257	14.436	14.425	14.465	VV	235	3509	0.26%	0.008%
258	14.471	14.465	14.487	VV	95	827	0.06%	0.002%
259	14.509	14.487	14.527	VV	296	3887	0.28%	0.009%
260	14.541	14.527	14.561	VV	226	3308	0.24%	0.008%
261	14.566	14.561	14.577	VV	207	1393	0.10%	0.003%
262	14.617	14.577	14.644	VV	252	6421	0.47%	0.015%
263	14.656	14.644	14.687	VV	175	2717	0.20%	0.007%
264	14.708	14.687	14.735	PV	278	4953	0.36%	0.012%
265	14.743	14.735	14.764	VV	122	1798	0.13%	0.004%
266	14.768	14.764	14.780	VV	99	948	0.07%	0.002%
267	14.801	14.780	14.813	VV	192	2756	0.20%	0.007%
268	14.831	14.813	14.852	VV	335	5494	0.40%	0.013%
269	14.864	14.852	14.933	VV	260	5369	0.39%	0.013%
270	14.988	14.933	15.008	PV	144	4230	0.31%	0.010%
271	15.045	15.008	15.075	VV	1504	21984	1.61%	0.053%
272	15.090	15.075	15.112	VV	129	1806	0.13%	0.004%
273	15.124	15.112	15.153	VV	73	1163	0.08%	0.003%
274	15.165	15.153	15.171	VV	109	959	0.07%	0.002%
275	15.179	15.171	15.197	VV	139	1474	0.11%	0.004%
276	15.219	15.197	15.235	VV	295	4103	0.30%	0.010%
277	15.250	15.235	15.309	VV	355	8020	0.59%	0.019%
278	15.333	15.309	15.362	VV	184	4255	0.31%	0.010%
279	15.386	15.362	15.450	VV	216	7048	0.51%	0.017%
280	15.494	15.450	15.550	PV	197	5779	0.42%	0.014%
281	15.565	15.550	15.577	VV	125	1319	0.10%	0.003%
282	15.585	15.577	15.603	VV	194	1269	0.09%	0.003%
283	15.632	15.603	15.658	VV	479	8764	0.64%	0.021%
284	15.687	15.658	15.714	VV	295	5801	0.42%	0.014%
285	15.729	15.714	15.749	VV	140	1934	0.14%	0.005%
286	15.771	15.749	15.827	VV	349	9193	0.67%	0.022%
287	15.851	15.827	15.887	VV	327	7140	0.52%	0.017%
288	15.892	15.887	15.930	VV	166	2290	0.17%	0.006%
289	15.943	15.930	15.954	PV	99	974	0.07%	0.002%
290	15.999	15.954	16.008	VV	153	3515	0.26%	0.008%
291	16.025	16.008	16.052	VV	187	3292	0.24%	0.008%
292	16.084	16.052	16.104	VV	290	4215	0.31%	0.010%
293	16.118	16.104	16.135	VV	126	1708	0.12%	0.004%
294	16.148	16.135	16.217	VV	177	4765	0.35%	0.011%
295	16.224	16.217	16.235	VV	111	943	0.07%	0.002%
296	16.270	16.235	16.312	VV	435	8885	0.65%	0.021%
297	16.315	16.312	16.350	VV	155	1856	0.14%	0.004%
298	16.367	16.350	16.385	PV	74	1005	0.07%	0.002%
299	16.454	16.385	16.479	VV	221	5703	0.42%	0.014%

					rteres				
300	16.492	16.479	16.527	VV	144	2435	0.18%	0.006%	
301	16.587	16.527	16.625	VV	167	6263	0.46%	0.015%	
302	16.654	16.625	16.692	VV	170	4026	0.29%	0.010%	
303	16.754	16.692	16.780	VV	591	12038	0.88%	0.029%	
304	16.788	16.780	16.809	VV	295	1849	0.14%	0.004%	
305	16.934	16.809	16.953	VV	111	7846	0.57%	0.019%	
306	16.973	16.953	17.007	VV	180	3531	0.26%	0.009%	
307	17.025	17.007	17.082	PV	180	5453	0.40%	0.013%	
308	17.111	17.082	17.150	VV	158	4007	0.29%	0.010%	
309	17.221	17.150	17.263	PV	1002	18829	1.38%	0.045%	
310	17.273	17.263	17.284	VV	178	1463	0.11%	0.004%	
311	17.291	17.284	17.307	VV	83	934	0.07%	0.002%	
					Sum of corrected areas:	41501390			

FG102124.M Fri Nov 08 07:52:23 2024

Report of Analysis

Client:	ENTACT		Date Collected:	11/05/24	
Project:	North Point		Date Received:	11/05/24	
Client Sample ID:	EX-2-TPH-3		SDG No.:	P4721	
Lab Sample ID:	P4721-03		Matrix:	SOIL	
Analytical Method:	8015D DRO		% Solid:	88.3	Decanted:
Sample Wt/Vol:	30.07	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
FG014696.D	50	11/07/24 08:30	11/08/24 4:12	PB164744

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	430000		10400	94200	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_G\Data\FG110724\
Data File : FG014696.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 04:12
Operator : YP\AJ
Sample : P4721-03 50X
Misc :
ALS Vial : 82 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-2-TPH-3

Integration File: autoint1.e
Quant Time: Nov 08 05:28:57 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Quant Title :
QLast Update : Mon Oct 21 17:03:32 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

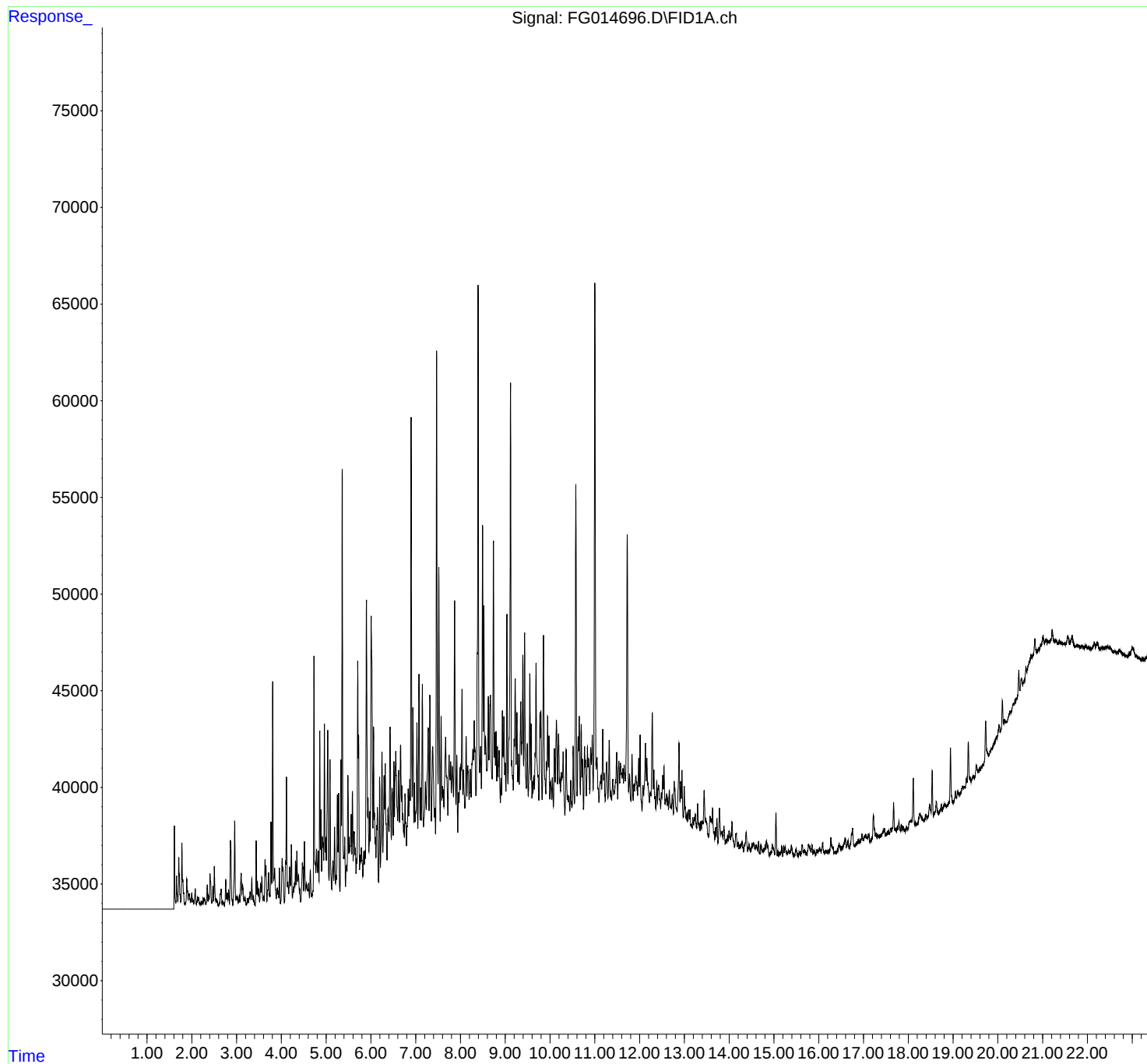
(m)=manual int.

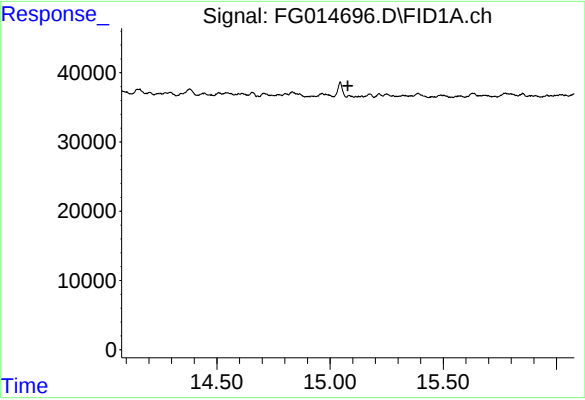
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110724\
Data File : FG014696.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 04:12
Operator : YP\AJ
Sample : P4721-03 50X
Misc :
ALS Vial : 82 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-2-TPH-3

Integration File: autoint1.e
Quant Time: Nov 08 05:28:57 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Quant Title :
QLast Update : Mon Oct 21 17:03:32 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.: 15.079 min
Response: 0
Conc: N.D.

Instrument :
FID_G
ClientSampleId :
EX-2-TPH-3

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110724\
Data File : FG014696.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 04:12
Sample : P4721-03 50X
Misc :
ALS Vial : 82 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.515	4.498	4.541	VV	3117	42966	7.01%	0.143%
2	4.558	4.541	4.598	VV	931	24259	3.96%	0.081%
3	4.608	4.598	4.628	VV	939	10832	1.77%	0.036%
4	4.647	4.628	4.670	VV	1597	22189	3.62%	0.074%
5	4.678	4.670	4.690	VV	392	3957	0.65%	0.013%
6	4.729	4.690	4.750	VV	12683	137418	22.41%	0.459%
7	4.757	4.750	4.771	VV	1956	22643	3.69%	0.076%
8	4.788	4.771	4.810	VV	2674	46658	7.61%	0.156%
9	4.827	4.810	4.842	VV	2557	35764	5.83%	0.119%
10	4.859	4.842	4.873	VV	8783	93221	15.21%	0.311%
11	4.883	4.873	4.901	VV	4697	52940	8.63%	0.177%
12	4.918	4.901	4.928	VV	3266	43308	7.06%	0.145%
13	4.937	4.928	4.947	VV	2988	29891	4.88%	0.100%
14	4.962	4.947	4.980	VV	9108	102150	16.66%	0.341%
15	4.991	4.980	5.004	VV	3188	40090	6.54%	0.134%
16	5.036	5.004	5.065	VV	8764	163130	26.61%	0.545%
17	5.086	5.065	5.125	VV	7231	100259	16.35%	0.335%
18	5.153	5.125	5.171	VV	1999	37685	6.15%	0.126%
19	5.189	5.171	5.210	VV	3730	50245	8.20%	0.168%
20	5.221	5.210	5.232	VV	1221	13790	2.25%	0.046%
21	5.252	5.232	5.266	VV	5380	67388	10.99%	0.225%
22	5.280	5.266	5.308	VV	5460	71646	11.69%	0.239%
23	5.332	5.308	5.343	VV	7181	77703	12.67%	0.259%
24	5.360	5.343	5.388	VV	22219	252067	41.11%	0.842%
25	5.397	5.388	5.404	VV	2210	19786	3.23%	0.066%
26	5.416	5.404	5.434	VV	3127	37207	6.07%	0.124%
27	5.456	5.434	5.467	VV	1635	26866	4.38%	0.090%
28	5.487	5.467	5.507	VV	6341	94404	15.40%	0.315%
29	5.517	5.507	5.528	VV	3137	35278	5.75%	0.118%
30	5.558	5.528	5.572	VV	4299	83643	13.64%	0.279%
31	5.588	5.572	5.605	VV	5439	73545	12.00%	0.246%
32	5.624	5.605	5.645	VV	3374	70107	11.44%	0.234%
33	5.653	5.645	5.668	VV	2519	28321	4.62%	0.095%
34	5.682	5.668	5.688	VV	2014	20858	3.40%	0.070%
35	5.706	5.688	5.718	VV	12190	132584	21.63%	0.443%
36	5.725	5.718	5.747	VV	8374	89745	14.64%	0.300%

					rteres			
37	5.761	5.747	5.773	VV	2161	29778	4.86%	0.099%
38	5.786	5.773	5.821	VV	2537	54260	8.85%	0.181%
39	5.841	5.821	5.853	VV	2347	35425	5.78%	0.118%
40	5.865	5.853	5.875	VV	2329	26627	4.34%	0.089%
41	5.901	5.875	5.928	VV	15301	256122	41.78%	0.855%
42	5.937	5.928	5.955	VV	5093	62498	10.19%	0.209%
43	5.977	5.955	5.987	VV	4378	62862	10.25%	0.210%
44	6.006	5.987	6.044	VV	14465	317320	51.76%	1.060%
45	6.060	6.044	6.073	VV	8731	101595	16.57%	0.339%
46	6.079	6.073	6.093	VV	4270	42537	6.94%	0.142%
47	6.099	6.093	6.113	VV	3016	31663	5.16%	0.106%
48	6.127	6.113	6.134	VV	3613	38855	6.34%	0.130%
49	6.145	6.134	6.170	VV	4537	59810	9.76%	0.200%
50	6.195	6.170	6.213	VV	6123	78069	12.73%	0.261%
51	6.247	6.213	6.266	VV	7402	129662	21.15%	0.433%
52	6.295	6.266	6.306	VV	6158	101634	16.58%	0.339%
53	6.320	6.306	6.360	VV	6781	133897	21.84%	0.447%
54	6.381	6.360	6.407	VV	4445	96137	15.68%	0.321%
55	6.428	6.407	6.456	VV	8652	168233	27.44%	0.562%
56	6.473	6.456	6.498	VV	5469	114060	18.60%	0.381%
57	6.513	6.498	6.526	VV	6828	83905	13.69%	0.280%
58	6.555	6.526	6.598	VV	7364	240289	39.19%	0.802%
59	6.617	6.598	6.642	VV	6367	124507	20.31%	0.416%
60	6.662	6.642	6.680	VV	7676	138431	22.58%	0.462%
61	6.689	6.680	6.706	VV	5559	73458	11.98%	0.245%
62	6.714	6.706	6.728	VV	4101	51122	8.34%	0.171%
63	6.737	6.728	6.748	VV	3514	37294	6.08%	0.125%
64	6.762	6.748	6.794	VV	5131	104332	17.02%	0.348%
65	6.832	6.794	6.845	VV	5372	119225	19.45%	0.398%
66	6.869	6.845	6.879	VV	5851	103483	16.88%	0.346%
67	6.898	6.879	6.922	VV	24588	323139	52.71%	1.079%
68	6.937	6.922	6.959	VV	9552	154558	25.21%	0.516%
69	6.972	6.959	6.985	VV	5648	70574	11.51%	0.236%
70	7.027	6.985	7.048	VV	8744	191676	31.26%	0.640%
71	7.073	7.048	7.097	VV	11248	202455	33.02%	0.676%
72	7.110	7.097	7.123	VV	5363	68177	11.12%	0.228%
73	7.149	7.123	7.175	VV	10714	196133	31.99%	0.655%
74	7.217	7.175	7.237	VV	5644	163902	26.73%	0.547%
75	7.279	7.237	7.297	VV	8444	224650	36.64%	0.750%
76	7.317	7.297	7.352	VV	10096	204639	33.38%	0.683%
77	7.380	7.352	7.419	VV	7400	225980	36.86%	0.755%
78	7.429	7.419	7.443	VV	4227	55246	9.01%	0.184%
79	7.467	7.443	7.499	VV	27907	423823	69.13%	1.415%
80	7.516	7.499	7.546	VV	16680	264159	43.09%	0.882%
81	7.568	7.546	7.584	VV	8956	140005	22.84%	0.467%
82	7.595	7.584	7.605	VV	5342	63041	10.28%	0.210%
83	7.614	7.605	7.630	VV	5152	71764	11.71%	0.240%
84	7.668	7.630	7.718	VV	7873	311905	50.87%	1.041%
85	7.746	7.718	7.769	VV	6930	174218	28.42%	0.582%
86	7.781	7.769	7.797	VV	6572	100572	16.40%	0.336%
87	7.817	7.797	7.844	VV	6288	156569	25.54%	0.523%
88	7.869	7.844	7.900	VV	14891	287214	46.85%	0.959%
89	7.918	7.900	7.939	VV	6865	121065	19.75%	0.404%

					rteres			
90	7.958	7.939	7.969	VV	4941	77814	12.69%	0.260%
91	7.985	7.969	7.997	VV	6228	88979	14.51%	0.297%
92	8.011	7.997	8.016	VV	6308	66522	10.85%	0.222%
93	8.035	8.016	8.052	VV	10276	168678	27.51%	0.563%
94	8.064	8.052	8.098	VV	6088	140843	22.97%	0.470%
95	8.127	8.098	8.144	VV	7811	157169	25.64%	0.525%
96	8.162	8.144	8.192	VV	6248	162783	26.55%	0.544%
97	8.218	8.192	8.239	VV	6092	145776	23.78%	0.487%
98	8.277	8.239	8.293	VV	7077	202875	33.09%	0.677%
99	8.306	8.293	8.321	VV	8596	130013	21.21%	0.434%
100	8.325	8.321	8.346	VV	7056	87971	14.35%	0.294%
101	8.394	8.346	8.430	VV	31114	613086	100.00%	2.047%
102	8.450	8.430	8.468	VV	7233	145503	23.73%	0.486%
103	8.494	8.468	8.510	VV	18656	288742	47.10%	0.964%
104	8.523	8.510	8.547	VV	14490	223011	36.38%	0.745%
105	8.560	8.547	8.588	VV	7701	171161	27.92%	0.571%
106	8.622	8.588	8.638	VV	9753	223042	36.38%	0.745%
107	8.668	8.638	8.708	VV	9784	324169	52.88%	1.082%
108	8.737	8.708	8.759	VV	17803	309548	50.49%	1.034%
109	8.771	8.759	8.782	VV	7865	99850	16.29%	0.333%
110	8.794	8.782	8.811	VV	7932	116335	18.98%	0.388%
111	8.825	8.811	8.842	VV	7109	117570	19.18%	0.393%
112	8.864	8.842	8.893	VV	6928	175615	28.64%	0.586%
113	8.906	8.893	8.917	VV	5486	72700	11.86%	0.243%
114	8.936	8.917	8.951	VV	8980	142532	23.25%	0.476%
115	8.971	8.951	8.988	VV	8660	162756	26.55%	0.543%
116	8.999	8.988	9.015	VV	6245	90717	14.80%	0.303%
117	9.037	9.015	9.061	VV	13941	232687	37.95%	0.777%
118	9.118	9.061	9.141	VV	25912	560433	91.41%	1.871%
119	9.146	9.141	9.179	VV	6340	129816	21.17%	0.433%
120	9.199	9.179	9.207	VV	7453	105286	17.17%	0.352%
121	9.223	9.207	9.243	VV	10568	182408	29.75%	0.609%
122	9.262	9.243	9.281	VV	8777	165754	27.04%	0.553%
123	9.295	9.281	9.312	VV	6632	107390	17.52%	0.359%
124	9.347	9.312	9.362	VV	9344	216906	35.38%	0.724%
125	9.392	9.362	9.411	VV	11752	242319	39.52%	0.809%
126	9.433	9.411	9.471	VV	12912	276185	45.05%	0.922%
127	9.491	9.471	9.515	VV	7136	153514	25.04%	0.513%
128	9.549	9.515	9.568	VV	10725	222389	36.27%	0.743%
129	9.581	9.568	9.597	VV	8154	109804	17.91%	0.367%
130	9.609	9.597	9.620	VV	5154	66541	10.85%	0.222%
131	9.637	9.620	9.651	VV	5449	93790	15.30%	0.313%
132	9.666	9.651	9.672	VV	6619	76155	12.42%	0.254%
133	9.688	9.672	9.727	VV	11302	247448	40.36%	0.826%
134	9.732	9.727	9.750	VV	5491	66629	10.87%	0.222%
135	9.776	9.750	9.786	VV	8724	144033	23.49%	0.481%
136	9.796	9.786	9.823	VV	8790	145618	23.75%	0.486%
137	9.853	9.823	9.907	VV	12696	354296	57.79%	1.183%
138	9.923	9.907	9.930	VV	6105	76458	12.47%	0.255%
139	9.946	9.930	9.964	VV	8471	140226	22.87%	0.468%
140	9.976	9.964	9.995	VV	7450	111672	18.21%	0.373%
141	10.015	9.995	10.038	VV	5073	120493	19.65%	0.402%

					rteres			
142	10.052	10.038	10.076	VV	5285	104093	16.98%	0.348%
143	10.098	10.076	10.118	VV	6768	139226	22.71%	0.465%
144	10.143	10.118	10.169	VV	8226	202098	32.96%	0.675%
145	10.188	10.169	10.213	VV	7517	164930	26.90%	0.551%
146	10.220	10.213	10.233	VV	5163	58064	9.47%	0.194%
147	10.252	10.233	10.264	VV	5516	96444	15.73%	0.322%
148	10.271	10.264	10.275	VV	5324	33164	5.41%	0.111%
149	10.293	10.275	10.331	VV	6574	167006	27.24%	0.558%
150	10.360	10.331	10.386	VV	6673	163648	26.69%	0.546%
151	10.399	10.386	10.409	VV	4264	57837	9.43%	0.193%
152	10.423	10.409	10.442	VV	4237	77575	12.65%	0.259%
153	10.463	10.442	10.490	VV	5053	119502	19.49%	0.399%
154	10.517	10.490	10.548	VV	6788	163558	26.68%	0.546%
155	10.576	10.548	10.603	VV	20207	352131	57.44%	1.176%
156	10.627	10.603	10.637	VV	7258	123796	20.19%	0.413%
157	10.652	10.637	10.677	VV	8313	156169	25.47%	0.521%
158	10.697	10.677	10.714	VV	7902	134689	21.97%	0.450%
159	10.725	10.714	10.750	VV	6079	106240	17.33%	0.355%
160	10.771	10.750	10.784	VV	6739	112847	18.41%	0.377%
161	10.791	10.784	10.810	VV	6043	82777	13.50%	0.276%
162	10.836	10.810	10.851	VV	6713	138403	22.57%	0.462%
163	10.858	10.851	10.887	VV	6106	116857	19.06%	0.390%
164	10.908	10.887	10.923	VV	6654	123303	20.11%	0.412%
165	10.943	10.923	10.962	VV	7292	143434	23.40%	0.479%
166	11.000	10.962	11.031	VV	30664	560533	91.43%	1.872%
167	11.049	11.031	11.092	VV	6111	184810	30.14%	0.617%
168	11.140	11.092	11.153	VV	5156	169785	27.69%	0.567%
169	11.177	11.153	11.196	VV	7546	151270	24.67%	0.505%
170	11.208	11.196	11.232	VV	5273	100249	16.35%	0.335%
171	11.265	11.232	11.293	VV	5823	176126	28.73%	0.588%
172	11.321	11.293	11.348	VV	6921	170978	27.89%	0.571%
173	11.356	11.348	11.375	VV	4240	68145	11.12%	0.228%
174	11.401	11.375	11.423	VV	4904	127338	20.77%	0.425%
175	11.460	11.423	11.468	VV	4880	118824	19.38%	0.397%
176	11.488	11.468	11.510	VV	6280	132908	21.68%	0.444%
177	11.536	11.510	11.555	VV	5829	137536	22.43%	0.459%
178	11.572	11.555	11.613	VV	5724	180420	29.43%	0.602%
179	11.627	11.613	11.641	VV	5417	85574	13.96%	0.286%
180	11.656	11.641	11.683	VV	5574	130361	21.26%	0.435%
181	11.724	11.683	11.753	VV	17520	387032	63.13%	1.292%
182	11.775	11.753	11.810	VV	5083	147983	24.14%	0.494%
183	11.831	11.810	11.856	VV	6075	133297	21.74%	0.445%
184	11.874	11.856	11.888	VV	4572	81088	13.23%	0.271%
185	11.913	11.888	11.932	VV	4926	123776	20.19%	0.413%
186	11.936	11.932	11.956	VV	4689	62327	10.17%	0.208%
187	11.981	11.956	11.995	VV	5891	115985	18.92%	0.387%
188	12.011	11.995	12.054	VV	7086	166000	27.08%	0.554%
189	12.076	12.054	12.091	VV	4444	88222	14.39%	0.295%
190	12.130	12.091	12.147	VV	6616	174279	28.43%	0.582%
191	12.162	12.147	12.217	VV	5855	193651	31.59%	0.647%
192	12.235	12.217	12.251	VV	4027	78720	12.84%	0.263%
193	12.284	12.251	12.305	VV	8161	188049	30.67%	0.628%
194	12.320	12.305	12.361	VV	5180	137214	22.38%	0.458%

					rteres			
195	12.383	12.361	12.400	VV	4601	89544	14.61%	0.299%
196	12.426	12.400	12.470	VV	4394	163155	26.61%	0.545%
197	12.486	12.470	12.496	VV	3978	57688	9.41%	0.193%
198	12.516	12.496	12.531	VV	4888	92917	15.16%	0.310%
199	12.545	12.531	12.572	VV	5350	106076	17.30%	0.354%
200	12.602	12.572	12.614	VV	3880	90062	14.69%	0.301%
201	12.629	12.614	12.646	VV	3684	66157	10.79%	0.221%
202	12.664	12.646	12.701	VV	4117	116158	18.95%	0.388%
203	12.729	12.701	12.755	VV	3825	109999	17.94%	0.367%
204	12.774	12.755	12.823	VV	4539	149336	24.36%	0.499%
205	12.828	12.823	12.839	VV	3109	30128	4.91%	0.101%
206	12.881	12.839	12.903	VV	6443	171723	28.01%	0.573%
207	12.918	12.903	12.930	VV	4481	66096	10.78%	0.221%
208	12.946	12.930	12.978	VV	5057	107102	17.47%	0.358%
209	12.997	12.978	13.037	VV	4202	113959	18.59%	0.380%
210	13.043	13.037	13.049	VV	2640	17697	2.89%	0.059%
211	13.058	13.049	13.073	VV	2836	38683	6.31%	0.129%
212	13.094	13.073	13.111	VV	2975	61050	9.96%	0.204%
213	13.125	13.111	13.152	VV	2983	63239	10.31%	0.211%
214	13.159	13.152	13.176	VV	2247	29988	4.89%	0.100%
215	13.190	13.176	13.208	VV	2562	45604	7.44%	0.152%
216	13.229	13.208	13.234	VV	2549	37078	6.05%	0.124%
217	13.245	13.234	13.274	VV	2711	56279	9.18%	0.188%
218	13.296	13.274	13.327	VV	3264	80833	13.18%	0.270%
219	13.332	13.327	13.349	VV	2249	27251	4.44%	0.091%
220	13.365	13.349	13.383	VV	2342	42353	6.91%	0.141%
221	13.396	13.383	13.403	VV	2366	27031	4.41%	0.090%
222	13.410	13.403	13.419	VV	2312	21305	3.48%	0.071%
223	13.441	13.419	13.464	VV	3915	83172	13.57%	0.278%
224	13.469	13.464	13.476	VV	2444	17861	2.91%	0.060%
225	13.482	13.476	13.528	VV	2466	64192	10.47%	0.214%
226	13.532	13.528	13.546	VV	1635	16352	2.67%	0.055%
227	13.571	13.546	13.592	VV	2556	60620	9.89%	0.202%
228	13.601	13.592	13.616	VV	2382	33365	5.44%	0.111%
229	13.630	13.616	13.651	VV	2950	49850	8.13%	0.166%
230	13.656	13.651	13.678	VV	1759	25812	4.21%	0.086%
231	13.694	13.678	13.707	VV	1936	28811	4.70%	0.096%
232	13.727	13.707	13.756	VV	2395	50748	8.28%	0.169%
233	13.784	13.756	13.809	VV	2921	68005	11.09%	0.227%
234	13.822	13.809	13.833	VV	1655	23226	3.79%	0.078%
235	13.838	13.833	13.865	VV	1685	29038	4.74%	0.097%
236	13.884	13.865	13.918	VV	1973	48810	7.96%	0.163%
237	13.944	13.918	13.952	VV	1259	23940	3.90%	0.080%
238	13.966	13.952	13.980	VV	1487	22170	3.62%	0.074%
239	13.996	13.980	14.027	VV	1664	41541	6.78%	0.139%
240	14.063	14.027	14.116	VV	2160	76980	12.56%	0.257%
241	14.121	14.116	14.125	VV	916	4603	0.75%	0.015%
242	14.150	14.125	14.154	VV	1533	21772	3.55%	0.073%
243	14.160	14.154	14.182	VV	1544	21140	3.45%	0.071%
244	14.204	14.182	14.222	VV	1081	22697	3.70%	0.076%
245	14.251	14.222	14.257	VV	960	17950	2.93%	0.060%
246	14.272	14.257	14.282	VV	1013	13714	2.24%	0.046%

					rteres			
247	14.295	14.282	14.321	VV	1075	20476	3.34%	0.068%
248	14.342	14.321	14.350	VV	917	13087	2.13%	0.044%
249	14.379	14.350	14.416	VV	1535	42580	6.95%	0.142%
250	14.445	14.416	14.462	VV	936	20944	3.42%	0.070%
251	14.467	14.462	14.486	VV	664	9132	1.49%	0.030%
252	14.507	14.486	14.523	VV	974	17365	2.83%	0.058%
253	14.540	14.523	14.544	VV	969	11382	1.86%	0.038%
254	14.548	14.544	14.576	VV	971	15382	2.51%	0.051%
255	14.582	14.576	14.587	VV	742	4654	0.76%	0.016%
256	14.595	14.587	14.602	VV	832	6696	1.09%	0.022%
257	14.611	14.602	14.641	VV	865	16435	2.68%	0.055%
258	14.655	14.641	14.691	VV	1015	19592	3.20%	0.065%
259	14.708	14.691	14.735	VV	858	17719	2.89%	0.059%
260	14.742	14.735	14.755	VV	573	6260	1.02%	0.021%
261	14.769	14.755	14.788	VV	664	11486	1.87%	0.038%
262	14.801	14.788	14.817	VV	796	11744	1.92%	0.039%
263	14.833	14.817	14.861	VV	1044	21631	3.53%	0.072%
264	14.865	14.861	14.888	VV	753	8484	1.38%	0.028%
265	14.898	14.888	14.902	VV	347	2692	0.44%	0.009%
266	14.917	14.902	14.926	VV	406	5095	0.83%	0.017%
267	14.930	14.926	14.938	VV	397	2504	0.41%	0.008%
268	14.965	14.938	14.975	VV	799	12570	2.05%	0.042%
269	14.980	14.975	15.017	VV	675	12421	2.03%	0.041%
270	15.045	15.017	15.075	VV	2431	36510	5.96%	0.122%
271	15.085	15.075	15.105	VV	448	6193	1.01%	0.021%
272	15.112	15.105	15.119	VV	317	2154	0.35%	0.007%
273	15.125	15.119	15.133	VV	346	2194	0.36%	0.007%
274	15.140	15.133	15.150	VV	388	3005	0.49%	0.010%
275	15.176	15.150	15.194	VV	646	11296	1.84%	0.038%
276	15.216	15.194	15.233	VV	709	10223	1.67%	0.034%
277	15.249	15.233	15.270	VV	655	10725	1.75%	0.036%
278	15.278	15.270	15.299	VV	414	5398	0.88%	0.018%
279	15.322	15.299	15.328	VV	465	5972	0.97%	0.020%
280	15.334	15.328	15.347	VV	425	3910	0.64%	0.013%
281	15.353	15.347	15.368	VV	350	4000	0.65%	0.013%
282	15.388	15.368	15.434	VV	697	15893	2.59%	0.053%
283	15.450	15.434	15.467	VV	208	2922	0.48%	0.010%
284	15.489	15.467	15.498	VV	444	5960	0.97%	0.020%
285	15.502	15.498	15.533	VV	394	5022	0.82%	0.017%
286	15.538	15.533	15.543	VV	128	604	0.10%	0.002%
287	15.578	15.543	15.596	VV	326	6220	1.01%	0.021%
288	15.628	15.596	15.633	VV	656	8288	1.35%	0.028%
289	15.637	15.633	15.657	VV	632	5954	0.97%	0.020%
290	15.662	15.657	15.669	VV	309	2090	0.34%	0.007%
291	15.675	15.669	15.678	VV	345	1582	0.26%	0.005%
292	15.682	15.678	15.714	VV	337	5824	0.95%	0.019%
293	15.725	15.714	15.738	VV	210	2308	0.38%	0.008%
294	15.775	15.738	15.791	VV	648	13499	2.20%	0.045%
295	15.796	15.791	15.830	VV	553	9618	1.57%	0.032%
296	15.850	15.830	15.870	VV	603	8788	1.43%	0.029%
297	15.882	15.870	15.897	VV	287	3543	0.58%	0.012%
298	15.909	15.897	15.929	VV	292	3161	0.52%	0.011%
299	15.958	15.929	15.968	VV	350	3908	0.64%	0.013%

					rteres			
300	15.975	15.968	15.986	VV	256	2235	0.36%	0.007%
301	15.991	15.986	15.996	VV	279	1458	0.24%	0.005%
302	16.015	15.996	16.020	VV	401	4355	0.71%	0.015%
303	16.025	16.020	16.034	VV	380	2787	0.45%	0.009%
304	16.040	16.034	16.053	VV	296	2802	0.46%	0.009%
305	16.087	16.053	16.123	VV	654	14363	2.34%	0.048%
306	16.147	16.123	16.174	VV	235	5420	0.88%	0.018%
307	16.180	16.174	16.183	VV	247	1088	0.18%	0.004%
308	16.186	16.183	16.197	VV	238	1322	0.22%	0.004%
309	16.202	16.197	16.207	VV	200	778	0.13%	0.003%
310	16.220	16.207	16.229	VV	242	2179	0.36%	0.007%
311	16.233	16.229	16.241	VV	249	1561	0.25%	0.005%
312	16.246	16.241	16.251	VV	277	1482	0.24%	0.005%
313	16.271	16.251	16.314	VV	872	18751	3.06%	0.063%
314	16.321	16.314	16.353	VV	385	4625	0.75%	0.015%
315	16.372	16.353	16.380	VV	166	1871	0.31%	0.006%
316	16.388	16.380	16.397	VV	145	917	0.15%	0.003%
317	16.417	16.397	16.424	PV	295	2367	0.39%	0.008%
318	16.431	16.424	16.436	VV	323	1663	0.27%	0.006%
319	16.457	16.436	16.480	VV	513	9773	1.59%	0.033%
320	16.485	16.480	16.501	VV	303	3074	0.50%	0.010%
321	16.506	16.501	16.511	VV	317	1502	0.24%	0.005%
322	16.518	16.511	16.526	VV	326	2154	0.35%	0.007%
323	16.548	16.526	16.553	VV	341	4270	0.70%	0.014%
324	16.588	16.553	16.625	VV	722	18275	2.98%	0.061%
325	16.655	16.625	16.693	VV	521	11235	1.83%	0.038%
326	16.755	16.693	16.800	VV	1079	31385	5.12%	0.105%
327	16.808	16.800	16.813	VV	162	1092	0.18%	0.004%
328	16.817	16.813	16.821	VV	140	548	0.09%	0.002%
329	16.832	16.821	16.838	VV	222	1745	0.28%	0.006%
330	16.848	16.838	16.858	VV	292	2539	0.41%	0.008%
331	16.875	16.858	16.898	VV	330	6363	1.04%	0.021%
332	16.921	16.898	16.931	VV	353	5216	0.85%	0.017%
333	16.966	16.931	17.000	VV	594	14623	2.39%	0.049%
334	17.028	17.000	17.045	VV	493	10234	1.67%	0.034%
335	17.055	17.045	17.085	VV	472	8534	1.39%	0.028%
336	17.094	17.085	17.098	VV	358	2587	0.42%	0.009%
337	17.110	17.098	17.148	VV	481	8527	1.39%	0.028%
338	17.163	17.148	17.181	PV	191	2279	0.37%	0.008%
339	17.187	17.181	17.195	VV	276	1573	0.26%	0.005%
340	17.221	17.195	17.262	VV	1315	28335	4.62%	0.095%
341	17.274	17.262	17.282	VV	349	3378	0.55%	0.011%
342	17.286	17.282	17.301	VV	271	2352	0.38%	0.008%
343	17.307	17.301	17.310	VV	182	603	0.10%	0.002%
344	17.318	17.310	17.337	VV	237	2171	0.35%	0.007%
Sum of corrected areas:					29949725			

FG102124.M Fri Nov 08 07:08:51 2024

Report of Analysis

Client:	ENTACT		Date Collected:	11/05/24	
Project:	North Point		Date Received:	11/05/24	
Client Sample ID:	EX-11-TPH-1		SDG No.:	P4721	
Lab Sample ID:	P4721-04		Matrix:	SOIL	
Analytical Method:	8015D DRO		% Solid:	79.7	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
FG014697.D	250	11/07/24 08:30	11/08/24 4:41	PB164744

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	2830000		57900	522000	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_G\Data\FG110724\
Data File : FG014697.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 04:41
Operator : YP\AJ
Sample : P4721-04 250X
Misc :
ALS Vial : 83 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-11-TPH-1

Integration File: autoint1.e
Quant Time: Nov 08 05:50:05 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Quant Title :
QLast Update : Mon Oct 21 17:03:32 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

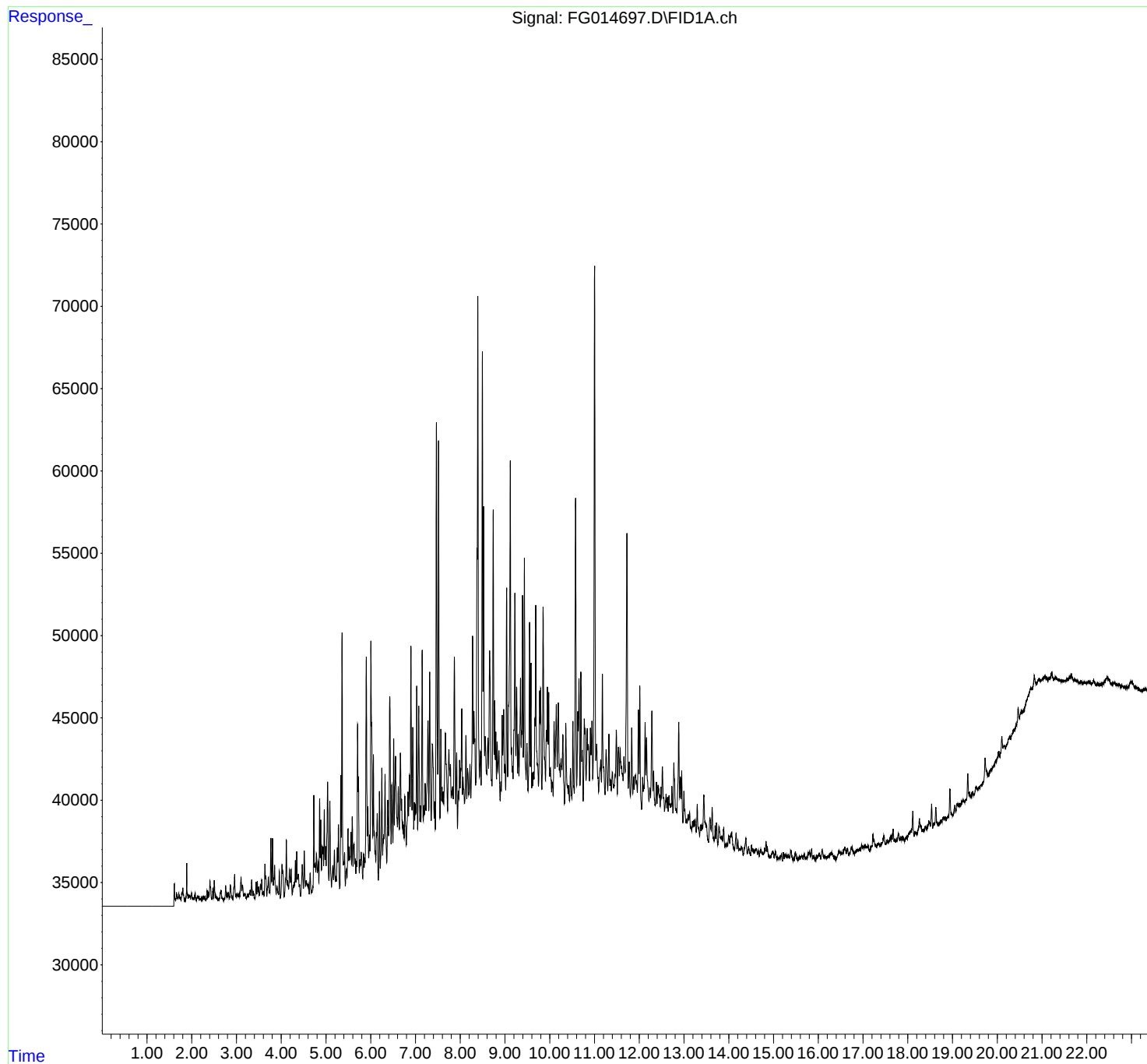
(m)=manual int.

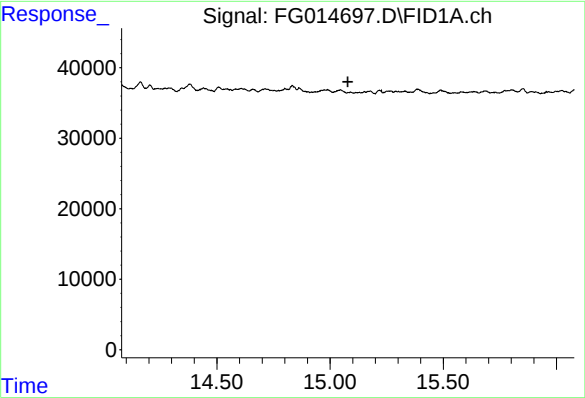
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110724\
Data File : FG014697.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 04:41
Operator : YP\AJ
Sample : P4721-04 250X
Misc :
ALS Vial : 83 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-11-TPH-1

Integration File: autoint1.e
Quant Time: Nov 08 05:50:05 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Quant Title :
QLast Update : Mon Oct 21 17:03:32 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.: 15.079 min
Response: 0
Conc: N.D.

Instrument :
FID_G
ClientSampleId :
EX-11-TPH-1

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110724\
Data File : FG014697.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 04:41
Sample : P4721-04 250X
Misc :
ALS Vial : 83 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.515	4.498	4.541	VV	2759	39498	5.74%	0.111%
2	4.558	4.541	4.581	VV	944	18958	2.76%	0.053%
3	4.587	4.581	4.599	VV	672	6675	0.97%	0.019%
4	4.608	4.599	4.626	VV	718	7654	1.11%	0.022%
5	4.646	4.626	4.671	VV	1380	19663	2.86%	0.055%
6	4.679	4.671	4.690	VV	302	2795	0.41%	0.008%
7	4.705	4.690	4.709	VV	553	4747	0.69%	0.013%
8	4.729	4.709	4.746	VV	6096	66762	9.71%	0.188%
9	4.755	4.746	4.773	VV	1940	28377	4.13%	0.080%
10	4.787	4.773	4.808	VV	2530	41185	5.99%	0.116%
11	4.826	4.808	4.842	VV	2056	32088	4.67%	0.090%
12	4.859	4.842	4.871	VV	5880	62906	9.15%	0.177%
13	4.883	4.871	4.900	VV	4578	53268	7.75%	0.150%
14	4.917	4.900	4.929	VV	2951	41990	6.11%	0.118%
15	4.937	4.929	4.948	VV	2918	29754	4.33%	0.084%
16	4.962	4.948	4.980	VV	5206	63709	9.26%	0.179%
17	4.991	4.980	5.004	VV	2950	35751	5.20%	0.101%
18	5.037	5.004	5.066	VV	6862	131091	19.06%	0.369%
19	5.087	5.066	5.124	VV	5665	81522	11.86%	0.229%
20	5.154	5.124	5.169	VV	1742	32071	4.66%	0.090%
21	5.189	5.169	5.211	VV	2685	40743	5.93%	0.115%
22	5.220	5.211	5.232	VV	1041	11924	1.73%	0.034%
23	5.253	5.232	5.264	VV	2793	37266	5.42%	0.105%
24	5.279	5.264	5.307	VV	4218	55084	8.01%	0.155%
25	5.332	5.307	5.344	VV	7190	77847	11.32%	0.219%
26	5.359	5.344	5.389	VV	15842	184820	26.88%	0.520%
27	5.396	5.389	5.403	VV	1879	16169	2.35%	0.045%
28	5.415	5.403	5.433	VV	2495	30122	4.38%	0.085%
29	5.456	5.433	5.471	VV	1493	26563	3.86%	0.075%
30	5.493	5.471	5.506	VV	3928	55138	8.02%	0.155%
31	5.516	5.506	5.528	VV	2839	31090	4.52%	0.087%
32	5.535	5.528	5.540	VV	2245	15290	2.22%	0.043%
33	5.558	5.540	5.572	VV	3709	53244	7.74%	0.150%
34	5.587	5.572	5.604	VV	4643	61600	8.96%	0.173%
35	5.627	5.604	5.646	VV	2955	61872	9.00%	0.174%
36	5.653	5.646	5.668	VV	2072	23541	3.42%	0.066%

					rteres			
37	5.682	5.668	5.689	VV	1921	20194	2.94%	0.057%
38	5.706	5.689	5.718	VV	10230	113749	16.54%	0.320%
39	5.725	5.718	5.745	VV	7054	72712	10.57%	0.204%
40	5.761	5.745	5.771	VV	2000	25930	3.77%	0.073%
41	5.787	5.771	5.821	VV	2434	54422	7.91%	0.153%
42	5.841	5.821	5.855	VV	2331	34813	5.06%	0.098%
43	5.865	5.855	5.874	VV	2043	21407	3.11%	0.060%
44	5.901	5.874	5.927	VV	14315	227972	33.15%	0.641%
45	5.937	5.927	5.956	VV	5180	63098	9.18%	0.177%
46	5.977	5.956	5.987	VV	3454	51739	7.52%	0.145%
47	6.004	5.987	6.043	VV	15246	295453	42.97%	0.831%
48	6.059	6.043	6.074	VV	8314	99857	14.52%	0.281%
49	6.080	6.074	6.096	VV	3632	40033	5.82%	0.113%
50	6.102	6.096	6.112	VV	2457	21060	3.06%	0.059%
51	6.127	6.112	6.133	VV	3555	36920	5.37%	0.104%
52	6.145	6.133	6.170	VV	4739	62536	9.09%	0.176%
53	6.195	6.170	6.213	VV	6042	78039	11.35%	0.219%
54	6.248	6.213	6.266	VV	7472	121848	17.72%	0.343%
55	6.279	6.266	6.286	VV	3171	33106	4.81%	0.093%
56	6.295	6.286	6.301	VV	3440	29209	4.25%	0.082%
57	6.320	6.301	6.358	VV	7070	136111	19.79%	0.383%
58	6.380	6.358	6.400	VV	5512	93695	13.63%	0.263%
59	6.425	6.400	6.455	VV	11768	229655	33.40%	0.646%
60	6.472	6.455	6.495	VV	6403	111238	16.18%	0.313%
61	6.513	6.495	6.527	VV	9215	114237	16.61%	0.321%
62	6.554	6.527	6.596	VV	8125	235964	34.31%	0.664%
63	6.616	6.596	6.639	VV	6277	123641	17.98%	0.348%
64	6.662	6.639	6.681	VV	8301	153418	22.31%	0.431%
65	6.689	6.681	6.705	VV	5490	70994	10.32%	0.200%
66	6.714	6.705	6.726	VV	4108	47283	6.88%	0.133%
67	6.736	6.726	6.747	VV	3940	44262	6.44%	0.124%
68	6.762	6.747	6.795	VV	5673	117574	17.10%	0.331%
69	6.832	6.795	6.844	VV	5921	131241	19.09%	0.369%
70	6.868	6.844	6.880	VV	6932	126550	18.40%	0.356%
71	6.898	6.880	6.922	VV	14768	223537	32.51%	0.629%
72	6.940	6.922	6.960	VV	9813	161914	23.55%	0.455%
73	6.972	6.960	6.983	VV	5251	63272	9.20%	0.178%
74	6.994	6.983	7.008	VV	5105	71891	10.45%	0.202%
75	7.027	7.008	7.048	VV	12308	174774	25.42%	0.491%
76	7.072	7.048	7.098	VV	11087	213281	31.02%	0.600%
77	7.109	7.098	7.121	VV	5022	60437	8.79%	0.170%
78	7.149	7.121	7.174	VV	14462	253209	36.82%	0.712%
79	7.187	7.174	7.199	VV	5034	70512	10.25%	0.198%
80	7.216	7.199	7.236	VV	6366	116896	17.00%	0.329%
81	7.279	7.236	7.297	VV	10163	255508	37.16%	0.718%
82	7.317	7.297	7.351	VV	13115	251354	36.55%	0.707%
83	7.376	7.351	7.418	VV	8707	263928	38.38%	0.742%
84	7.429	7.418	7.443	VV	5222	69968	10.18%	0.197%
85	7.467	7.443	7.497	VV	28222	444732	64.67%	1.251%
86	7.515	7.497	7.547	VV	27103	398154	57.90%	1.120%
87	7.567	7.547	7.584	VV	9593	150876	21.94%	0.424%
88	7.594	7.584	7.606	VV	6070	75158	10.93%	0.211%
89	7.618	7.606	7.632	VV	5784	83867	12.20%	0.236%

					rteres			
90	7.670	7.632	7.718	VV	9327	359816	52.33%	1.012%
91	7.745	7.718	7.771	VV	8277	220205	32.02%	0.619%
92	7.780	7.771	7.800	VV	7408	112721	16.39%	0.317%
93	7.829	7.800	7.843	VV	5982	148106	21.54%	0.416%
94	7.869	7.843	7.899	VV	13918	296533	43.12%	0.834%
95	7.919	7.899	7.939	VV	8110	144778	21.05%	0.407%
96	7.958	7.939	7.970	VV	5772	93327	13.57%	0.262%
97	7.985	7.970	7.998	VV	7626	109169	15.88%	0.307%
98	8.034	7.998	8.051	VV	10765	250864	36.48%	0.705%
99	8.063	8.051	8.098	VV	6589	162199	23.59%	0.456%
100	8.127	8.098	8.146	VV	9105	194668	28.31%	0.547%
101	8.164	8.146	8.190	VV	7099	167546	24.37%	0.471%
102	8.217	8.190	8.236	VV	7360	170357	24.77%	0.479%
103	8.276	8.236	8.295	VV	15117	333362	48.48%	0.937%
104	8.306	8.295	8.321	VV	10550	150651	21.91%	0.424%
105	8.325	8.321	8.344	VV	8876	103506	15.05%	0.291%
106	8.375	8.344	8.379	VV	20426	248802	36.18%	0.700%
107	8.393	8.379	8.430	VV	35731	545575	79.34%	1.534%
108	8.450	8.430	8.467	VV	8082	159477	23.19%	0.448%
109	8.495	8.467	8.510	VV	32312	453546	65.96%	1.275%
110	8.523	8.510	8.545	VV	22949	314409	45.72%	0.884%
111	8.558	8.545	8.595	VV	8960	228897	33.29%	0.644%
112	8.619	8.595	8.634	VV	8877	185156	26.93%	0.521%
113	8.657	8.634	8.709	VV	14163	429033	62.39%	1.206%
114	8.737	8.709	8.757	VV	22688	360515	52.43%	1.014%
115	8.771	8.757	8.784	VV	11083	150076	21.82%	0.422%
116	8.795	8.784	8.812	VV	9189	133453	19.41%	0.375%
117	8.825	8.812	8.843	VV	8586	139490	20.29%	0.392%
118	8.864	8.843	8.892	VV	8044	202633	29.47%	0.570%
119	8.908	8.892	8.917	VV	6142	86350	12.56%	0.243%
120	8.937	8.917	8.950	VV	10188	159490	23.19%	0.448%
121	8.971	8.950	8.990	VV	10526	208761	30.36%	0.587%
122	8.998	8.990	9.016	VV	7116	102528	14.91%	0.288%
123	9.037	9.016	9.061	VV	17898	289320	42.07%	0.814%
124	9.118	9.061	9.139	VV	25626	627119	91.20%	1.763%
125	9.147	9.139	9.162	VV	8138	101817	14.81%	0.286%
126	9.171	9.162	9.181	VV	7038	77483	11.27%	0.218%
127	9.221	9.181	9.242	VV	17576	401070	58.33%	1.128%
128	9.260	9.242	9.281	VV	11839	218960	31.84%	0.616%
129	9.295	9.281	9.312	VV	8968	144143	20.96%	0.405%
130	9.347	9.312	9.362	VV	12361	284331	41.35%	0.800%
131	9.372	9.362	9.377	VV	9165	74926	10.90%	0.211%
132	9.393	9.377	9.409	VV	17384	240238	34.94%	0.676%
133	9.434	9.409	9.471	VV	19639	393249	57.19%	1.106%
134	9.491	9.471	9.513	VV	8374	175874	25.58%	0.495%
135	9.550	9.513	9.567	VV	15723	298987	43.48%	0.841%
136	9.581	9.567	9.598	VV	13228	178337	25.93%	0.501%
137	9.609	9.598	9.620	VV	6566	83218	12.10%	0.234%
138	9.637	9.620	9.649	VV	6607	109825	15.97%	0.309%
139	9.667	9.649	9.672	VV	9843	112942	16.42%	0.318%
140	9.687	9.672	9.728	VV	16724	343993	50.02%	0.967%
141	9.732	9.728	9.748	VV	7055	81607	11.87%	0.229%

rteres								
142	9.775	9.748	9.786	VV	11528	198248	28.83%	0.557%
143	9.796	9.786	9.826	VV	11682	203581	29.61%	0.572%
144	9.852	9.826	9.905	VV	16598	449957	65.43%	1.265%
145	9.924	9.905	9.933	VV	9101	134290	19.53%	0.378%
146	9.948	9.933	9.965	VV	11721	187527	27.27%	0.527%
147	9.977	9.965	9.998	VV	11385	173795	25.27%	0.489%
148	10.015	9.998	10.040	VV	6793	160921	23.40%	0.452%
149	10.053	10.040	10.075	VV	5897	117415	17.07%	0.330%
150	10.097	10.075	10.118	VV	9603	193299	28.11%	0.544%
151	10.146	10.118	10.168	VV	10610	256949	37.37%	0.723%
152	10.191	10.168	10.213	VV	10716	239427	34.82%	0.673%
153	10.220	10.213	10.236	VV	6873	89440	13.01%	0.251%
154	10.252	10.236	10.273	VV	7309	151361	22.01%	0.426%
155	10.293	10.273	10.330	VV	8740	228850	33.28%	0.643%
156	10.359	10.330	10.390	VV	9471	243263	35.38%	0.684%
157	10.394	10.390	10.409	VV	5651	64581	9.39%	0.182%
158	10.421	10.409	10.445	VV	5636	108981	15.85%	0.306%
159	10.463	10.445	10.494	VV	6673	165746	24.10%	0.466%
160	10.517	10.494	10.548	VV	9534	212586	30.92%	0.598%
161	10.577	10.548	10.603	VV	23061	420648	61.17%	1.183%
162	10.625	10.603	10.636	VV	10094	159992	23.27%	0.450%
163	10.653	10.636	10.677	VV	12083	223187	32.46%	0.628%
164	10.696	10.677	10.715	VV	12476	207992	30.25%	0.585%
165	10.725	10.715	10.747	VV	7732	123856	18.01%	0.348%
166	10.771	10.747	10.784	VV	9623	167383	24.34%	0.471%
167	10.791	10.784	10.811	VV	9045	127212	18.50%	0.358%
168	10.836	10.811	10.849	VV	9017	172289	25.05%	0.484%
169	10.861	10.849	10.886	VV	8052	167021	24.29%	0.470%
170	10.908	10.886	10.923	VV	9047	168778	24.54%	0.475%
171	10.943	10.923	10.960	VV	9438	180203	26.21%	0.507%
172	11.002	10.960	11.030	VV	37082	687646	100.00%	1.934%
173	11.049	11.030	11.092	VV	8041	252399	36.70%	0.710%
174	11.139	11.092	11.155	VV	7082	233363	33.94%	0.656%
175	11.176	11.155	11.236	VV	12282	357609	52.00%	1.006%
176	11.259	11.236	11.296	VV	7656	229002	33.30%	0.644%
177	11.322	11.296	11.344	VV	8606	192939	28.06%	0.543%
178	11.358	11.344	11.374	VV	5828	99732	14.50%	0.280%
179	11.401	11.374	11.431	VV	6289	196640	28.60%	0.553%
180	11.455	11.431	11.460	VV	6084	97743	14.21%	0.275%
181	11.488	11.460	11.510	VV	8804	208031	30.25%	0.585%
182	11.535	11.510	11.555	VV	7769	182814	26.59%	0.514%
183	11.573	11.555	11.600	VV	7697	185586	26.99%	0.522%
184	11.606	11.600	11.638	VV	6606	143204	20.83%	0.403%
185	11.657	11.638	11.684	VV	7167	179831	26.15%	0.506%
186	11.724	11.684	11.755	VV	20709	484730	70.49%	1.363%
187	11.775	11.755	11.803	VV	6835	166895	24.27%	0.469%
188	11.831	11.803	11.856	VV	8858	204120	29.68%	0.574%
189	11.874	11.856	11.888	VV	5913	102290	14.88%	0.288%
190	11.916	11.888	11.932	VV	6009	153830	22.37%	0.433%
191	11.939	11.932	11.957	VV	5667	79779	11.60%	0.224%
192	11.980	11.957	11.995	VV	9966	168699	24.53%	0.474%
193	12.012	11.995	12.056	VV	11424	238680	34.71%	0.671%
194	12.075	12.056	12.091	VV	5840	106371	15.47%	0.299%

					rteres			
195	12.103	12.091	12.108	VV	5294	51326	7.46%	0.144%
196	12.131	12.108	12.147	VV	9145	165969	24.14%	0.467%
197	12.163	12.147	12.217	VV	8217	248678	36.16%	0.699%
198	12.236	12.217	12.253	VV	5165	105033	15.27%	0.295%
199	12.282	12.253	12.307	VV	9837	225406	32.78%	0.634%
200	12.320	12.307	12.356	VV	6165	147626	21.47%	0.415%
201	12.384	12.356	12.397	VV	5486	117122	17.03%	0.329%
202	12.421	12.397	12.447	VV	5304	144605	21.03%	0.407%
203	12.452	12.447	12.468	VV	4708	56500	8.22%	0.159%
204	12.487	12.468	12.498	VV	5174	84121	12.23%	0.237%
205	12.518	12.498	12.541	VV	6392	135264	19.67%	0.380%
206	12.546	12.541	12.565	VV	4537	61354	8.92%	0.173%
207	12.599	12.565	12.617	VV	4729	131800	19.17%	0.371%
208	12.631	12.617	12.647	VV	4526	73682	10.72%	0.207%
209	12.666	12.647	12.696	VV	4602	122768	17.85%	0.345%
210	12.708	12.696	12.713	VV	4070	39895	5.80%	0.112%
211	12.729	12.713	12.752	VV	5140	102809	14.95%	0.289%
212	12.774	12.752	12.839	VV	6592	236534	34.40%	0.665%
213	12.883	12.839	12.903	VV	9041	222129	32.30%	0.625%
214	12.919	12.903	12.934	VV	5677	95273	13.85%	0.268%
215	12.949	12.934	12.981	VV	6066	122245	17.78%	0.344%
216	12.998	12.981	13.013	VV	4811	76473	11.12%	0.215%
217	13.020	13.013	13.039	VV	3742	53610	7.80%	0.151%
218	13.059	13.039	13.073	VV	3128	60035	8.73%	0.169%
219	13.096	13.073	13.110	VV	3378	69861	10.16%	0.196%
220	13.125	13.110	13.144	VV	3522	64068	9.32%	0.180%
221	13.158	13.144	13.175	VV	2649	47193	6.86%	0.133%
222	13.189	13.175	13.200	VV	2961	41143	5.98%	0.116%
223	13.218	13.200	13.233	VV	3001	55546	8.08%	0.156%
224	13.250	13.233	13.272	VV	3037	64320	9.35%	0.181%
225	13.296	13.272	13.349	VV	3961	125701	18.28%	0.353%
226	13.371	13.349	13.381	VV	2689	47305	6.88%	0.133%
227	13.395	13.381	13.405	VV	2713	36736	5.34%	0.103%
228	13.411	13.405	13.417	VV	2566	17744	2.58%	0.050%
229	13.444	13.417	13.498	VV	4502	155848	22.66%	0.438%
230	13.506	13.498	13.546	VV	2640	59340	8.63%	0.167%
231	13.581	13.546	13.609	VV	3059	95113	13.83%	0.267%
232	13.630	13.609	13.678	VV	3702	100893	14.67%	0.284%
233	13.695	13.678	13.709	VV	2612	38993	5.67%	0.110%
234	13.725	13.709	13.754	VV	2756	57959	8.43%	0.163%
235	13.780	13.754	13.822	VV	2541	83781	12.18%	0.236%
236	13.844	13.822	13.866	VV	1911	47628	6.93%	0.134%
237	13.888	13.866	13.912	VV	2446	52701	7.66%	0.148%
238	13.918	13.912	13.923	VV	1389	8177	1.19%	0.023%
239	13.933	13.923	13.946	VV	1471	19891	2.89%	0.056%
240	13.958	13.946	13.976	VV	1447	24805	3.61%	0.070%
241	13.995	13.976	14.021	VV	1939	44983	6.54%	0.126%
242	14.034	14.021	14.051	VV	1918	32436	4.72%	0.091%
243	14.062	14.051	14.113	VV	2117	59788	8.69%	0.168%
244	14.118	14.113	14.130	VV	1144	11167	1.62%	0.031%
245	14.163	14.130	14.188	VV	2062	52563	7.64%	0.148%
246	14.204	14.188	14.222	VV	1607	26673	3.88%	0.075%

					rteres			
247	14.241	14.222	14.252	VV	1121	19364	2.82%	0.054%
248	14.255	14.252	14.261	VV	1059	5800	0.84%	0.016%
249	14.273	14.261	14.279	VV	1169	11883	1.73%	0.033%
250	14.289	14.279	14.325	VV	1163	26501	3.85%	0.075%
251	14.345	14.325	14.353	VV	1166	16449	2.39%	0.046%
252	14.378	14.353	14.419	VV	1693	48710	7.08%	0.137%
253	14.441	14.419	14.490	VV	1179	38236	5.56%	0.108%
254	14.507	14.490	14.526	VV	1275	22859	3.32%	0.064%
255	14.546	14.526	14.556	VV	1012	16851	2.45%	0.047%
256	14.560	14.556	14.570	VV	911	6711	0.98%	0.019%
257	14.608	14.570	14.617	VV	1056	26637	3.87%	0.075%
258	14.621	14.617	14.644	VV	963	13497	1.96%	0.038%
259	14.659	14.644	14.681	VV	932	17490	2.54%	0.049%
260	14.714	14.681	14.748	VV	995	32256	4.69%	0.091%
261	14.753	14.748	14.765	VV	753	6876	1.00%	0.019%
262	14.772	14.765	14.776	VV	713	4727	0.69%	0.013%
263	14.800	14.776	14.817	VV	1041	20593	2.99%	0.058%
264	14.833	14.817	14.854	VV	1427	24714	3.59%	0.069%
265	14.863	14.854	14.910	VV	1100	23699	3.45%	0.067%
266	14.918	14.910	14.923	VV	498	3398	0.49%	0.010%
267	14.933	14.923	14.938	VV	530	4263	0.62%	0.012%
268	14.962	14.938	14.966	VV	718	9941	1.45%	0.028%
269	14.990	14.966	15.013	VV	811	18551	2.70%	0.052%
270	15.046	15.013	15.073	VV	787	20263	2.95%	0.057%
271	15.080	15.073	15.084	VV	400	2422	0.35%	0.007%
272	15.090	15.084	15.105	VV	451	4576	0.67%	0.013%
273	15.114	15.105	15.120	VV	380	3013	0.44%	0.008%
274	15.130	15.120	15.136	VV	397	3514	0.51%	0.010%
275	15.151	15.136	15.159	VV	518	5538	0.81%	0.016%
276	15.178	15.159	15.199	VV	589	10107	1.47%	0.028%
277	15.218	15.199	15.225	VV	676	7629	1.11%	0.021%
278	15.226	15.225	15.234	VV	652	2497	0.36%	0.007%
279	15.268	15.234	15.280	VV	561	13190	1.92%	0.037%
280	15.291	15.280	15.298	VV	520	4834	0.70%	0.014%
281	15.303	15.298	15.310	VV	501	3179	0.46%	0.009%
282	15.313	15.310	15.325	VV	462	3962	0.58%	0.011%
283	15.331	15.325	15.347	VV	571	6022	0.88%	0.017%
284	15.356	15.347	15.361	VV	410	3204	0.47%	0.009%
285	15.386	15.361	15.438	VV	800	22233	3.23%	0.063%
286	15.459	15.438	15.465	VV	270	3443	0.50%	0.010%
287	15.487	15.465	15.536	VV	643	16806	2.44%	0.047%
288	15.552	15.536	15.562	VV	280	3682	0.54%	0.010%
289	15.577	15.562	15.605	VV	388	7420	1.08%	0.021%
290	15.634	15.605	15.658	VV	425	10524	1.53%	0.030%
291	15.685	15.658	15.708	VV	488	10822	1.57%	0.030%
292	15.731	15.708	15.749	VV	310	5883	0.86%	0.017%
293	15.772	15.749	15.777	VV	548	6135	0.89%	0.017%
294	15.788	15.777	15.792	VV	518	4655	0.68%	0.013%
295	15.800	15.792	15.828	VV	625	10756	1.56%	0.030%
296	15.854	15.828	15.873	VV	783	13322	1.94%	0.037%
297	15.889	15.873	15.929	VV	357	8684	1.26%	0.024%
298	15.955	15.929	15.959	VV	395	2975	0.43%	0.008%
299	15.965	15.959	15.982	VV	342	3701	0.54%	0.010%

					rteres			
300	15.996	15.982	16.002	VV	387	3702	0.54%	0.010%
301	16.024	16.002	16.059	VV	481	11813	1.72%	0.033%
302	16.086	16.059	16.116	VV	702	15597	2.27%	0.044%
303	16.126	16.116	16.139	VV	307	3591	0.52%	0.010%
304	16.148	16.139	16.160	VV	259	2810	0.41%	0.008%
305	16.175	16.160	16.189	VV	268	3590	0.52%	0.010%
306	16.218	16.189	16.224	VV	301	4774	0.69%	0.013%
307	16.232	16.224	16.250	VV	318	4191	0.61%	0.012%
308	16.269	16.250	16.289	VV	468	8442	1.23%	0.024%
309	16.297	16.289	16.347	VV	513	11844	1.72%	0.033%
310	16.363	16.347	16.371	VV	247	2773	0.40%	0.008%
311	16.374	16.371	16.393	VV	195	1486	0.22%	0.004%
312	16.401	16.393	16.408	PV	167	1077	0.16%	0.003%
313	16.460	16.408	16.479	VV	561	14287	2.08%	0.040%
314	16.488	16.479	16.508	VV	487	6709	0.98%	0.019%
315	16.515	16.508	16.529	VV	365	4078	0.59%	0.011%
316	16.534	16.529	16.540	VV	299	1888	0.27%	0.005%
317	16.559	16.540	16.566	VV	536	6279	0.91%	0.018%
318	16.592	16.566	16.628	VV	642	17921	2.61%	0.050%
319	16.653	16.628	16.688	VV	524	12263	1.78%	0.034%
320	16.731	16.688	16.736	VV	477	7944	1.16%	0.022%
321	16.754	16.736	16.786	VV	578	11823	1.72%	0.033%
322	16.793	16.786	16.815	VV	228	2761	0.40%	0.008%
323	16.846	16.815	16.851	VV	264	4071	0.59%	0.011%
324	16.872	16.851	16.889	VV	323	5775	0.84%	0.016%
325	16.895	16.889	16.898	VV	227	1134	0.16%	0.003%
326	16.928	16.898	16.938	VV	352	6687	0.97%	0.019%
327	16.942	16.938	16.948	VV	291	1456	0.21%	0.004%
328	16.968	16.948	17.005	VV	537	13803	2.01%	0.039%
329	17.025	17.005	17.042	VV	468	8407	1.22%	0.024%
330	17.053	17.042	17.068	VV	476	5629	0.82%	0.016%
331	17.086	17.068	17.091	VV	353	4386	0.64%	0.012%
332	17.111	17.091	17.145	VV	462	8596	1.25%	0.024%
333	17.171	17.145	17.178	PV	238	2886	0.42%	0.008%
334	17.193	17.178	17.198	VV	290	2827	0.41%	0.008%
335	17.221	17.198	17.237	VV	963	13888	2.02%	0.039%
336	17.250	17.237	17.272	VV	565	8400	1.22%	0.024%
337	17.279	17.272	17.281	VV	240	1225	0.18%	0.003%
338	17.285	17.281	17.300	VV	253	1663	0.24%	0.005%
339	17.325	17.300	17.333	PV	156	1685	0.24%	0.005%
340	17.342	17.333	17.351	PBA	16	1492	0.22%	0.004%

Sum of corrected areas: 35563422

FG102124.M Fri Nov 08 07:09:18 2024

Report of Analysis

Client:	ENTACT		Date Collected:	11/05/24	
Project:	North Point		Date Received:	11/05/24	
Client Sample ID:	EX-11-TPH-2		SDG No.:	P4721	
Lab Sample ID:	P4721-05		Matrix:	SOIL	
Analytical Method:	8015D DRO		% Solid:	91.5	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
FG014698.D	2500	11/07/24 08:30	11/08/24 5:09	PB164744

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	12100000		505000	4550000	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_G\Data\FG110724\
Data File : FG014698.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 05:09
Operator : YP\AJ
Sample : P4721-05 2500X
Misc :
ALS Vial : 84 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-11-TPH-2

Integration File: autoint1.e
Quant Time: Nov 08 05:50:14 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Quant Title :
QLast Update : Mon Oct 21 17:03:32 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

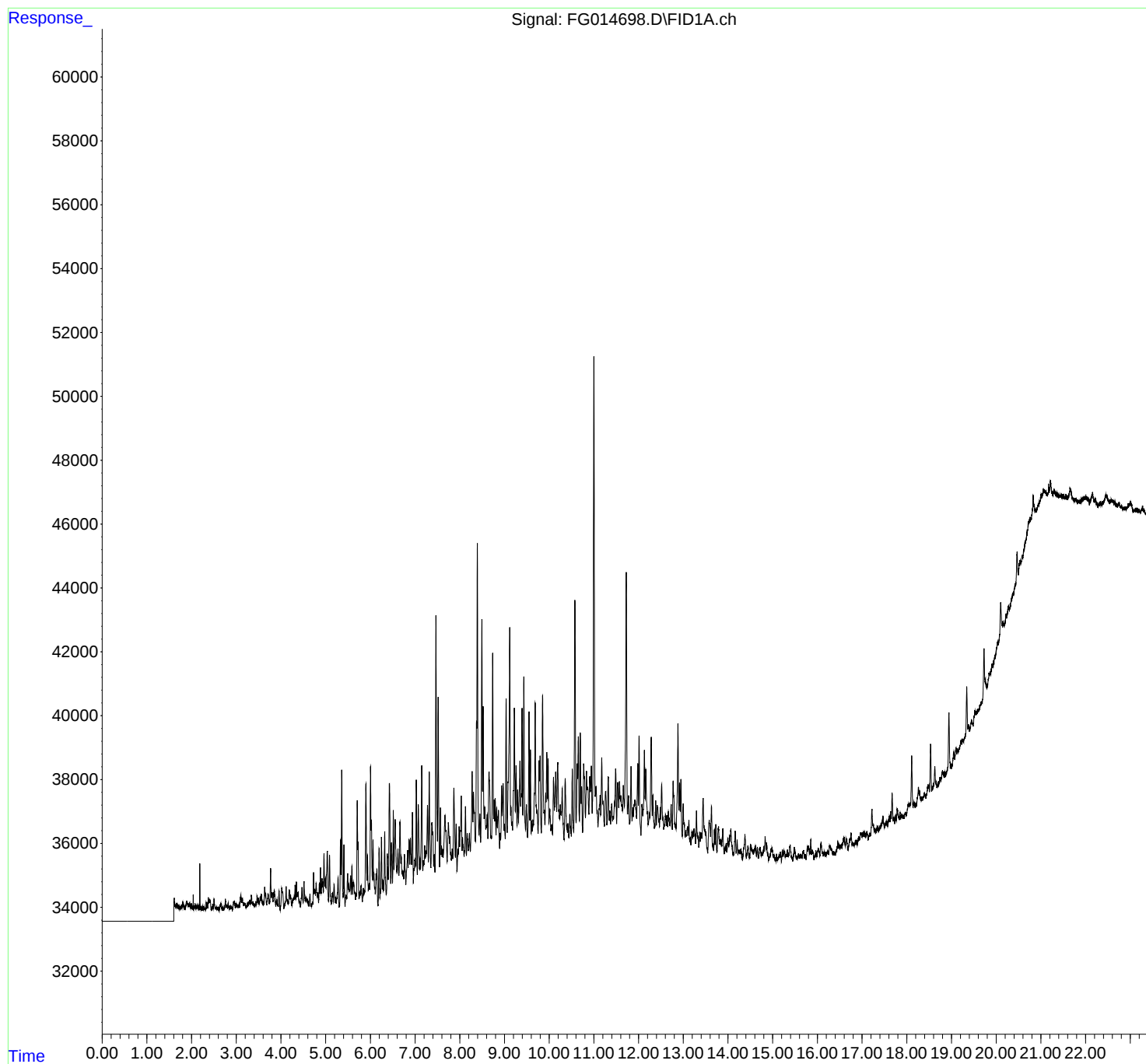
(m)=manual int.

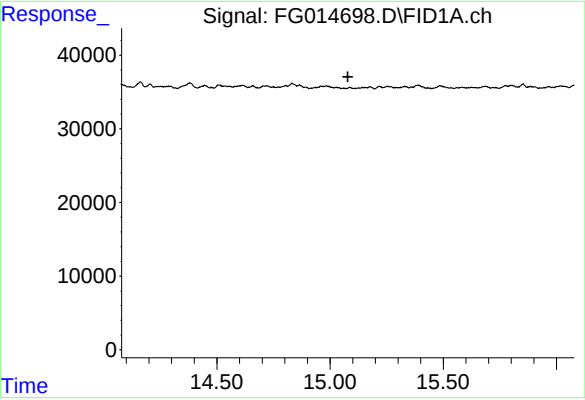
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110724\
Data File : FG014698.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 05:09
Operator : YP\AJ
Sample : P4721-05 2500X
Misc :
ALS Vial : 84 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-11-TPH-2

Integration File: autoint1.e
Quant Time: Nov 08 05:50:14 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Quant Title :
QLast Update : Mon Oct 21 17:03:32 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.: 15.079 min
Response: 0
Conc: N.D.

Instrument :
FID_G
ClientSampleId :
EX-11-TPH-2

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110724\
Data File : FG014698.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 05:09
Sample : P4721-05 2500X
Misc :
ALS Vial : 84 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.827	4.818	4.841	HH	377	3792	1.19%	0.022%
2	4.860	4.841	4.870	HH	671	6961	2.18%	0.040%
3	4.885	4.870	4.900	HH	1171	13549	4.24%	0.078%
4	4.919	4.900	4.929	HH	829	10867	3.40%	0.063%
5	4.937	4.929	4.950	HH	721	7289	2.28%	0.042%
6	4.962	4.950	4.980	HH	1605	18158	5.69%	0.104%
7	4.993	4.980	5.007	HH	830	10986	3.44%	0.063%
8	5.037	5.007	5.065	HH	1674	32008	10.02%	0.184%
9	5.087	5.065	5.123	HH	1558	20488	6.42%	0.118%
10	5.155	5.123	5.169	HH	395	6195	1.94%	0.036%
11	5.189	5.169	5.210	HH	641	8980	2.81%	0.052%
12	5.219	5.210	5.235	HH	225	2459	0.77%	0.014%
13	5.277	5.235	5.301	HH	844	13469	4.22%	0.077%
14	5.332	5.301	5.344	PH	2033	20324	6.36%	0.117%
15	5.360	5.344	5.389	HH	4227	48580	15.21%	0.279%
16	5.397	5.389	5.402	HH	353	2269	0.71%	0.013%
17	5.408	5.402	5.434	HH	1870	9226	2.89%	0.053%
18	5.461	5.434	5.473	PH	300	4689	1.47%	0.027%
19	5.492	5.473	5.508	HH	975	13711	4.29%	0.079%
20	5.517	5.508	5.529	HH	646	6674	2.09%	0.038%
21	5.536	5.529	5.541	HH	492	3297	1.03%	0.019%
22	5.558	5.541	5.572	HH	921	12043	3.77%	0.069%
23	5.587	5.572	5.606	HH	1216	15198	4.76%	0.087%
24	5.621	5.606	5.651	HH	719	14650	4.59%	0.084%
25	5.656	5.651	5.665	HH	394	2724	0.85%	0.016%
26	5.680	5.665	5.690	HH	349	4062	1.27%	0.023%
27	5.707	5.690	5.719	HH	3275	34752	10.88%	0.200%
28	5.725	5.719	5.745	HH	1959	17918	5.61%	0.103%
29	5.764	5.745	5.772	HH	430	5159	1.62%	0.030%
30	5.791	5.772	5.820	HH	600	11269	3.53%	0.065%
31	5.841	5.820	5.855	HH	527	7126	2.23%	0.041%
32	5.871	5.855	5.878	HH	457	5383	1.69%	0.031%
33	5.900	5.878	5.925	HH	3793	55626	17.42%	0.320%
34	5.936	5.925	5.953	HH	1563	17652	5.53%	0.102%
35	5.973	5.953	5.986	HH	668	11133	3.49%	0.064%
36	6.004	5.986	6.017	HH	4332	49152	15.39%	0.283%

					rteres			
37	6.024	6.017	6.047	HH	2669	31432	9.84%	0.181%
38	6.060	6.047	6.073	HH	2039	21518	6.74%	0.124%
39	6.081	6.073	6.095	HH	982	10481	3.28%	0.060%
40	6.103	6.095	6.112	HH	553	4845	1.52%	0.028%
41	6.127	6.112	6.134	HH	984	9259	2.90%	0.053%
42	6.146	6.134	6.173	HH	1116	13284	4.16%	0.076%
43	6.195	6.173	6.213	PH	1771	19724	6.18%	0.113%
44	6.248	6.213	6.267	HH	2123	31176	9.76%	0.179%
45	6.279	6.267	6.292	HH	778	9292	2.91%	0.053%
46	6.320	6.292	6.353	HH	2293	36206	11.34%	0.208%
47	6.379	6.353	6.399	HH	1599	25426	7.96%	0.146%
48	6.426	6.399	6.456	HH	3793	71743	22.47%	0.413%
49	6.471	6.456	6.495	HH	1955	31122	9.75%	0.179%
50	6.513	6.495	6.528	HH	2958	34589	10.83%	0.199%
51	6.555	6.528	6.597	HH	2686	70452	22.06%	0.405%
52	6.616	6.597	6.637	HH	1744	31094	9.74%	0.179%
53	6.661	6.637	6.683	HH	2594	47359	14.83%	0.272%
54	6.690	6.683	6.708	HH	1505	19211	6.02%	0.110%
55	6.717	6.708	6.727	HH	1046	11372	3.56%	0.065%
56	6.736	6.727	6.749	HH	1064	12807	4.01%	0.074%
57	6.762	6.749	6.794	HH	1580	29998	9.39%	0.173%
58	6.832	6.794	6.845	HH	1703	37362	11.70%	0.215%
59	6.867	6.845	6.882	HH	2046	36744	11.51%	0.211%
60	6.896	6.882	6.922	HH	2088	39985	12.52%	0.230%
61	6.941	6.922	6.962	HH	2903	46316	14.50%	0.266%
62	6.973	6.962	6.978	HH	1142	9305	2.91%	0.054%
63	6.997	6.978	7.007	HH	1391	22104	6.92%	0.127%
64	7.027	7.007	7.049	HH	3915	54822	17.17%	0.315%
65	7.072	7.049	7.098	HH	3137	60310	18.89%	0.347%
66	7.110	7.098	7.121	HH	1448	17263	5.41%	0.099%
67	7.149	7.121	7.173	HH	4360	73946	23.16%	0.425%
68	7.184	7.173	7.202	HH	1392	21696	6.79%	0.125%
69	7.216	7.202	7.231	HH	1853	27832	8.72%	0.160%
70	7.278	7.231	7.297	HH	3126	79713	24.96%	0.458%
71	7.317	7.297	7.354	HH	4175	80595	25.24%	0.464%
72	7.377	7.354	7.391	HH	2582	47094	14.75%	0.271%
73	7.397	7.391	7.417	HH	2284	28286	8.86%	0.163%
74	7.429	7.417	7.444	HH	1571	21982	6.88%	0.126%
75	7.467	7.444	7.500	HH	9067	142201	44.53%	0.818%
76	7.516	7.500	7.548	HH	6494	100207	31.38%	0.576%
77	7.568	7.548	7.584	HH	3040	45487	14.24%	0.262%
78	7.593	7.584	7.605	HH	1847	20845	6.53%	0.120%
79	7.619	7.605	7.629	HH	1744	23789	7.45%	0.137%
80	7.668	7.629	7.718	HH	2809	111695	34.98%	0.642%
81	7.745	7.718	7.770	HH	2566	65850	20.62%	0.379%
82	7.778	7.770	7.794	HH	2149	27666	8.66%	0.159%
83	7.799	7.794	7.815	HH	1658	18949	5.93%	0.109%
84	7.831	7.815	7.843	HH	1747	27454	8.60%	0.158%
85	7.868	7.843	7.903	HH	3665	86465	27.08%	0.497%
86	7.920	7.903	7.940	HH	2538	41672	13.05%	0.240%
87	7.957	7.940	7.968	HH	1752	25817	8.08%	0.148%
88	7.985	7.968	7.998	HH	2454	36375	11.39%	0.209%
89	8.033	7.998	8.052	HH	3415	80210	25.12%	0.461%

					rteres			
90	8.064	8.052	8.098	HH	2114	51078	16.00%	0.294%
91	8.128	8.098	8.150	HH	3081	65560	20.53%	0.377%
92	8.167	8.150	8.191	HH	2239	47638	14.92%	0.274%
93	8.216	8.191	8.236	HH	2235	52848	16.55%	0.304%
94	8.276	8.236	8.293	HH	4182	95050	29.76%	0.547%
95	8.307	8.293	8.320	HH	3532	51562	16.15%	0.297%
96	8.325	8.320	8.352	HH	2907	46123	14.44%	0.265%
97	8.375	8.352	8.379	HH	5758	62524	19.58%	0.360%
98	8.394	8.379	8.431	HH	11321	177205	55.49%	1.019%
99	8.449	8.431	8.468	HH	2847	53706	16.82%	0.309%
100	8.495	8.468	8.510	HH	8940	131520	41.19%	0.756%
101	8.523	8.510	8.546	HH	6214	90932	28.48%	0.523%
102	8.559	8.546	8.582	HH	3062	59717	18.70%	0.343%
103	8.591	8.582	8.598	HH	2483	23659	7.41%	0.136%
104	8.613	8.598	8.629	HH	2828	47841	14.98%	0.275%
105	8.657	8.629	8.694	HH	4169	122802	38.46%	0.706%
106	8.697	8.694	8.705	HH	2163	13801	4.32%	0.079%
107	8.708	8.705	8.712	HH	2158	9013	2.82%	0.052%
108	8.737	8.712	8.757	HH	7891	120772	37.82%	0.695%
109	8.771	8.757	8.783	HH	3294	45939	14.39%	0.264%
110	8.793	8.783	8.811	HH	3344	49259	15.43%	0.283%
111	8.826	8.811	8.842	HH	3031	48305	15.13%	0.278%
112	8.866	8.842	8.892	HH	2965	75408	23.61%	0.434%
113	8.906	8.892	8.917	HH	2250	30422	9.53%	0.175%
114	8.936	8.917	8.950	HH	3736	59254	18.56%	0.341%
115	8.970	8.950	8.989	HH	3797	75237	23.56%	0.433%
116	8.999	8.989	9.018	HH	2522	40046	12.54%	0.230%
117	9.038	9.018	9.062	HH	6457	103350	32.36%	0.594%
118	9.118	9.062	9.138	HH	8688	218291	68.36%	1.256%
119	9.147	9.138	9.161	HH	3052	37949	11.88%	0.218%
120	9.171	9.161	9.182	HH	2600	31365	9.82%	0.180%
121	9.221	9.182	9.242	HH	6158	145970	45.71%	0.840%
122	9.260	9.242	9.282	HH	4369	82199	25.74%	0.473%
123	9.296	9.282	9.314	HH	3600	60149	18.84%	0.346%
124	9.346	9.314	9.363	HH	4493	103800	32.50%	0.597%
125	9.393	9.363	9.409	HH	6146	115167	36.06%	0.662%
126	9.434	9.409	9.472	HH	7146	149300	46.75%	0.859%
127	9.491	9.472	9.517	HH	3129	71040	22.25%	0.409%
128	9.550	9.517	9.567	HH	6053	110822	34.70%	0.637%
129	9.582	9.567	9.597	HH	4860	63564	19.90%	0.366%
130	9.607	9.597	9.622	HH	2629	36798	11.52%	0.212%
131	9.639	9.622	9.652	HH	2634	46027	14.41%	0.265%
132	9.687	9.652	9.722	HH	6326	161740	50.65%	0.930%
133	9.729	9.722	9.752	HH	2940	48039	15.04%	0.276%
134	9.775	9.752	9.785	HH	4516	69993	21.92%	0.403%
135	9.797	9.785	9.825	HH	4676	83787	26.24%	0.482%
136	9.852	9.825	9.887	HH	6560	151737	47.52%	0.873%
137	9.893	9.887	9.905	HH	2970	30392	9.52%	0.175%
138	9.923	9.905	9.931	HH	3509	46985	14.71%	0.270%
139	9.947	9.931	9.964	HH	4784	80073	25.07%	0.461%
140	9.976	9.964	9.995	HH	4580	69845	21.87%	0.402%
141	10.016	9.995	10.043	HH	2977	76475	23.95%	0.440%

					rteres			
142	10.052	10.043	10.075	HH	2490	45889	14.37%	0.264%
143	10.097	10.075	10.117	HH	3978	80660	25.26%	0.464%
144	10.146	10.117	10.168	HH	4164	106201	33.26%	0.611%
145	10.190	10.168	10.215	HH	4404	105073	32.90%	0.604%
146	10.220	10.215	10.238	HH	2995	38569	12.08%	0.222%
147	10.249	10.238	10.260	HH	3135	37663	11.79%	0.217%
148	10.267	10.260	10.273	HH	2923	22224	6.96%	0.128%
149	10.292	10.273	10.333	HH	3631	101860	31.90%	0.586%
150	10.359	10.333	10.410	HH	3939	131137	41.07%	0.754%
151	10.419	10.410	10.442	HH	2547	45229	14.16%	0.260%
152	10.463	10.442	10.495	HH	2842	77923	24.40%	0.448%
153	10.517	10.495	10.548	HH	4259	94766	29.68%	0.545%
154	10.576	10.548	10.602	HH	9535	175187	54.86%	1.008%
155	10.627	10.602	10.637	HH	4419	76415	23.93%	0.440%
156	10.652	10.637	10.677	HH	5276	97051	30.39%	0.558%
157	10.696	10.677	10.715	HH	5396	90907	28.47%	0.523%
158	10.725	10.715	10.748	HH	3711	61693	19.32%	0.355%
159	10.771	10.748	10.812	HH	4403	135417	42.41%	0.779%
160	10.835	10.812	10.851	HH	4162	84797	26.55%	0.488%
161	10.858	10.851	10.887	HH	3676	72854	22.81%	0.419%
162	10.907	10.887	10.922	HH	4013	73388	22.98%	0.422%
163	10.943	10.922	10.962	HH	4351	89411	28.00%	0.514%
164	11.000	10.962	11.032	HH	17179	319337	100.00%	1.837%
165	11.049	11.032	11.071	HH	3716	79936	25.03%	0.460%
166	11.077	11.071	11.093	HH	2969	35898	11.24%	0.206%
167	11.140	11.093	11.154	HH	3419	109308	34.23%	0.629%
168	11.176	11.154	11.234	HH	4597	160289	50.19%	0.922%
169	11.262	11.234	11.292	HH	3556	107647	33.71%	0.619%
170	11.321	11.292	11.344	HH	4003	99632	31.20%	0.573%
171	11.358	11.344	11.374	HH	2953	50196	15.72%	0.289%
172	11.399	11.374	11.419	HH	3136	76854	24.07%	0.442%
173	11.426	11.419	11.430	HH	2771	18832	5.90%	0.108%
174	11.461	11.430	11.469	HH	3212	66959	20.97%	0.385%
175	11.487	11.469	11.509	HH	4246	86402	27.06%	0.497%
176	11.531	11.509	11.557	HH	3833	96880	30.34%	0.557%
177	11.572	11.557	11.598	HH	3859	85883	26.89%	0.494%
178	11.605	11.598	11.640	HH	3430	80149	25.10%	0.461%
179	11.659	11.640	11.681	HH	3748	81302	25.46%	0.468%
180	11.724	11.681	11.756	HH	10416	247242	77.42%	1.422%
181	11.777	11.756	11.798	HH	3432	75923	23.78%	0.437%
182	11.832	11.798	11.855	HH	4336	110685	34.66%	0.637%
183	11.872	11.855	11.886	HH	3047	52900	16.57%	0.304%
184	11.901	11.886	11.907	HH	3124	39094	12.24%	0.225%
185	11.916	11.907	11.956	HH	3301	90477	28.33%	0.520%
186	11.982	11.956	11.995	HH	4436	84013	26.31%	0.483%
187	12.011	11.995	12.053	HH	5309	118201	37.01%	0.680%
188	12.077	12.053	12.096	HH	3138	70555	22.09%	0.406%
189	12.130	12.096	12.150	HH	4844	119179	37.32%	0.686%
190	12.163	12.150	12.216	HH	4245	128740	40.31%	0.740%
191	12.237	12.216	12.253	HH	2878	59564	18.65%	0.343%
192	12.283	12.253	12.307	HH	5256	125393	39.27%	0.721%
193	12.321	12.307	12.361	HH	3436	92877	29.08%	0.534%
194	12.384	12.361	12.399	HH	3265	63003	19.73%	0.362%

					rteres			
195	12.418	12.399	12.469	HH	3088	116536	36.49%	0.670%
196	12.486	12.469	12.497	HH	3054	46463	14.55%	0.267%
197	12.517	12.497	12.567	HH	3777	124835	39.09%	0.718%
198	12.603	12.567	12.619	HH	2838	81775	25.61%	0.470%
199	12.631	12.619	12.649	HH	2805	47958	15.02%	0.276%
200	12.665	12.649	12.697	HH	2923	78744	24.66%	0.453%
201	12.729	12.697	12.754	HH	3124	91552	28.67%	0.527%
202	12.774	12.754	12.822	HH	3885	125013	39.15%	0.719%
203	12.829	12.822	12.838	HH	2518	23240	7.28%	0.134%
204	12.882	12.838	12.903	HH	5624	144176	45.15%	0.829%
205	12.917	12.903	12.932	HH	3808	58870	18.44%	0.339%
206	12.947	12.932	12.978	HH	3929	82861	25.95%	0.477%
207	12.999	12.978	13.044	HH	3159	99179	31.06%	0.570%
208	13.059	13.044	13.073	HH	2330	38993	12.21%	0.224%
209	13.097	13.073	13.111	HH	2444	52959	16.58%	0.305%
210	13.126	13.111	13.153	HH	2646	57486	18.00%	0.331%
211	13.160	13.153	13.176	HH	2101	27859	8.72%	0.160%
212	13.191	13.176	13.207	HH	2281	39715	12.44%	0.228%
213	13.219	13.207	13.228	HH	2299	27400	8.58%	0.158%
214	13.245	13.228	13.277	HH	2386	64962	20.34%	0.374%
215	13.295	13.277	13.314	HH	2944	53778	16.84%	0.309%
216	13.319	13.314	13.346	HH	2205	39968	12.52%	0.230%
217	13.368	13.346	13.379	HH	2275	40110	12.56%	0.231%
218	13.395	13.379	13.415	HH	2272	46799	14.65%	0.269%
219	13.444	13.415	13.496	HH	3320	125510	39.30%	0.722%
220	13.503	13.496	13.547	HH	2302	58935	18.46%	0.339%
221	13.581	13.547	13.610	HH	2642	87702	27.46%	0.504%
222	13.631	13.610	13.657	HH	3097	68670	21.50%	0.395%
223	13.667	13.657	13.676	HH	1904	20902	6.55%	0.120%
224	13.695	13.676	13.712	HH	2358	43366	13.58%	0.249%
225	13.729	13.712	13.751	HH	2516	50532	15.82%	0.291%
226	13.788	13.751	13.820	HH	2454	86859	27.20%	0.500%
227	13.828	13.820	13.837	HH	2048	19846	6.21%	0.114%
228	13.845	13.837	13.860	HH	2038	27198	8.52%	0.156%
229	13.886	13.860	13.916	HH	2376	66297	20.76%	0.381%
230	13.937	13.916	13.949	HH	1818	34322	10.75%	0.197%
231	13.961	13.949	13.977	HH	1925	29969	9.38%	0.172%
232	13.999	13.977	14.018	HH	2071	47122	14.76%	0.271%
233	14.034	14.018	14.044	HH	2162	31856	9.98%	0.183%
234	14.065	14.044	14.128	HH	2386	96032	30.07%	0.552%
235	14.162	14.128	14.182	HH	2312	62823	19.67%	0.361%
236	14.205	14.182	14.221	HH	2038	41782	13.08%	0.240%
237	14.251	14.221	14.274	HH	1723	52276	16.37%	0.301%
238	14.278	14.274	14.280	HH	1696	6336	1.98%	0.036%
239	14.285	14.280	14.329	HH	1755	46050	14.42%	0.265%
240	14.380	14.329	14.415	HH	2188	92300	28.90%	0.531%
241	14.445	14.415	14.469	HH	1853	54213	16.98%	0.312%
242	14.475	14.469	14.490	HH	1609	19138	5.99%	0.110%
243	14.506	14.490	14.527	HH	1897	38752	12.14%	0.223%
244	14.537	14.527	14.547	HH	1746	20080	6.29%	0.115%
245	14.558	14.547	14.568	HH	1738	21640	6.78%	0.124%
246	14.595	14.568	14.599	HH	1763	30721	9.62%	0.177%

					rteres			
247	14.618	14.599	14.635	HH	1834	38482	12.05%	0.221%
248	14.659	14.635	14.674	HH	1796	37791	11.83%	0.217%
249	14.678	14.674	14.690	HH	1551	14921	4.67%	0.086%
250	14.704	14.690	14.715	HH	1763	24576	7.70%	0.141%
251	14.720	14.715	14.740	HH	1811	26008	8.14%	0.150%
252	14.749	14.740	14.761	HH	1649	19175	6.00%	0.110%
253	14.805	14.761	14.810	HH	1849	49545	15.51%	0.285%
254	14.831	14.810	14.853	HH	2140	48650	15.23%	0.280%
255	14.865	14.853	14.885	HH	1951	33336	10.44%	0.192%
256	14.892	14.885	14.906	HH	1597	19664	6.16%	0.113%
257	14.910	14.906	14.914	HH	1440	6724	2.11%	0.039%
258	14.959	14.914	14.965	HH	1734	48083	15.06%	0.277%
259	14.970	14.965	14.975	HH	1724	10376	3.25%	0.060%
260	14.984	14.975	15.019	HH	1791	42594	13.34%	0.245%
261	15.027	15.019	15.033	HH	1570	13098	4.10%	0.075%
262	15.035	15.033	15.055	HH	1552	19826	6.21%	0.114%
263	15.060	15.055	15.071	HH	1483	13311	4.17%	0.077%
264	15.086	15.071	15.102	HH	1584	27683	8.67%	0.159%
265	15.105	15.102	15.109	HH	1459	5801	1.82%	0.033%
266	15.126	15.109	15.131	HH	1505	19352	6.06%	0.111%
267	15.143	15.131	15.155	HH	1539	21240	6.65%	0.122%
268	15.160	15.155	15.167	HH	1566	11400	3.57%	0.066%
269	15.177	15.167	15.195	HH	1665	25707	8.05%	0.148%
270	15.219	15.195	15.232	HH	1710	34849	10.91%	0.200%
271	15.254	15.232	15.266	HH	1711	32671	10.23%	0.188%
272	15.270	15.266	15.299	HH	1665	31657	9.91%	0.182%
273	15.304	15.299	15.307	HH	1543	6759	2.12%	0.039%
274	15.311	15.307	15.314	HH	1591	6560	2.05%	0.038%
275	15.330	15.314	15.351	HH	1732	36241	11.35%	0.208%
276	15.358	15.351	15.361	HH	1616	9212	2.88%	0.053%
277	15.364	15.361	15.368	HH	1628	6138	1.92%	0.035%
278	15.392	15.368	15.449	HH	1889	79069	24.76%	0.455%
279	15.484	15.449	15.528	HH	1814	75416	23.62%	0.434%
280	15.535	15.528	15.550	HH	1524	19425	6.08%	0.112%
281	15.563	15.550	15.568	HH	1516	15725	4.92%	0.090%
282	15.581	15.568	15.605	HH	1597	34304	10.74%	0.197%
283	15.611	15.605	15.615	HH	1565	9022	2.83%	0.052%
284	15.625	15.615	15.634	HH	1599	17132	5.36%	0.099%
285	15.645	15.634	15.652	HH	1539	16388	5.13%	0.094%
286	15.685	15.652	15.710	HH	1711	55755	17.46%	0.321%
287	15.718	15.710	15.746	HH	1544	32442	10.16%	0.187%
288	15.776	15.746	15.787	HH	1790	40538	12.69%	0.233%
289	15.804	15.787	15.837	HH	1851	51236	16.04%	0.295%
290	15.852	15.837	15.870	HH	2055	36344	11.38%	0.209%
291	15.886	15.870	15.902	HH	1722	31098	9.74%	0.179%
292	15.905	15.902	15.922	HH	1637	18063	5.66%	0.104%
293	15.927	15.922	15.942	HH	1503	18107	5.67%	0.104%
294	15.946	15.942	15.950	HH	1537	7091	2.22%	0.041%
295	15.965	15.950	15.980	HH	1692	29192	9.14%	0.168%
296	15.985	15.980	15.989	HH	1596	8387	2.63%	0.048%
297	16.020	15.989	16.024	HH	1782	35137	11.00%	0.202%
298	16.027	16.024	16.053	HH	1748	28219	8.84%	0.162%
299	16.084	16.053	16.129	HH	1958	78977	24.73%	0.454%

					rteres			
300	16.155	16.129	16.176	HH	1678	44629	13.98%	0.257%
301	16.181	16.176	16.197	HH	1661	20136	6.31%	0.116%
302	16.225	16.197	16.235	HH	1696	37204	11.65%	0.214%
303	16.241	16.235	16.255	HH	1649	18744	5.87%	0.108%
304	16.274	16.255	16.302	HH	1864	50884	15.93%	0.293%
305	16.311	16.302	16.345	HH	1781	43608	13.66%	0.251%
306	16.351	16.345	16.355	HH	1624	9406	2.95%	0.054%
307	16.361	16.355	16.391	HH	1659	34765	10.89%	0.200%
308	16.396	16.391	16.402	HH	1605	10278	3.22%	0.059%
309	16.418	16.402	16.422	HH	1737	19728	6.18%	0.113%
310	16.457	16.422	16.479	HH	2002	61554	19.28%	0.354%
311	16.488	16.479	16.506	HH	1882	30233	9.47%	0.174%
312	16.516	16.506	16.538	HH	1838	34618	10.84%	0.199%
313	16.544	16.538	16.550	HH	1905	13127	4.11%	0.076%
314	16.557	16.550	16.566	HH	1930	18262	5.72%	0.105%
315	16.595	16.566	16.622	HH	2131	67229	21.05%	0.387%
316	16.627	16.622	16.631	HH	1948	9477	2.97%	0.055%
317	16.642	16.631	16.650	HH	2084	23847	7.47%	0.137%
318	16.653	16.650	16.658	HH	2067	8947	2.80%	0.051%
319	16.661	16.658	16.676	HH	2018	20747	6.50%	0.119%
320	16.683	16.676	16.690	HH	1816	15329	4.80%	0.088%
321	16.716	16.690	16.722	HH	2055	35932	11.25%	0.207%
322	16.731	16.722	16.736	HH	2093	17342	5.43%	0.100%
323	16.749	16.736	16.775	HH	2247	49259	15.43%	0.283%
324	16.794	16.775	16.826	HH	1948	57831	18.11%	0.333%
325	16.844	16.826	16.848	HH	1955	25266	7.91%	0.145%
326	16.860	16.848	16.870	HH	2011	26083	8.17%	0.150%
327	16.881	16.870	16.894	HH	2026	27473	8.60%	0.158%
328	16.924	16.894	16.929	HH	2135	42802	13.40%	0.246%
329	16.933	16.929	16.942	HH	2115	16841	5.27%	0.097%
330	16.963	16.942	16.995	HH	2271	69336	21.71%	0.399%
331	17.009	16.995	17.022	HH	2255	34746	10.88%	0.200%
332	17.026	17.022	17.041	HH	2270	24867	7.79%	0.143%
333	17.054	17.041	17.069	HH	2302	37473	11.73%	0.216%
334	17.111	17.069	17.147	HH	2302	102844	32.21%	0.592%
335	17.163	17.147	17.181	HH	2205	44035	13.79%	0.253%
336	17.187	17.181	17.195	HH	2239	19050	5.97%	0.110%
337	17.221	17.195	17.271	HH	2982	116740	36.56%	0.671%
338	17.277	17.271	17.299	HH	2409	38268	11.98%	0.220%
339	17.307	17.299	17.312	HH	2341	18150	5.68%	0.104%
340	17.321	17.312	17.327	HH	2402	21384	6.70%	0.123%
341	17.334	17.327	17.338	HH	2419	16225	5.08%	0.093%
					Sum of corrected areas:	17385645		

FG102124.M Fri Nov 08 08:01:18 2024

Report of Analysis

Client:	ENTACT	Date Collected:	11/05/24
Project:	North Point	Date Received:	11/05/24
Client Sample ID:	EX-11-TPH-3	SDG No.:	P4721
Lab Sample ID:	P4721-06	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	79.4
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
FG014676.D	10	11/07/24 08:30	11/07/24 15:56	PB164744

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	58200		2320	20900	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	1.17		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_G\Data\FG110724\
Data File : FG014676.D
Signal(s) : FID1A.ch
Acq On : 07 Nov 2024 15:56
Operator : YP\AJ
Sample : P4721-06 10X
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-11-TPH-3

Integration File: autoint1.e
Quant Time: Nov 08 05:26:21 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Quant Title :
QLast Update : Mon Oct 21 17:03:32 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...	15.050	139952	1.170 ug/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

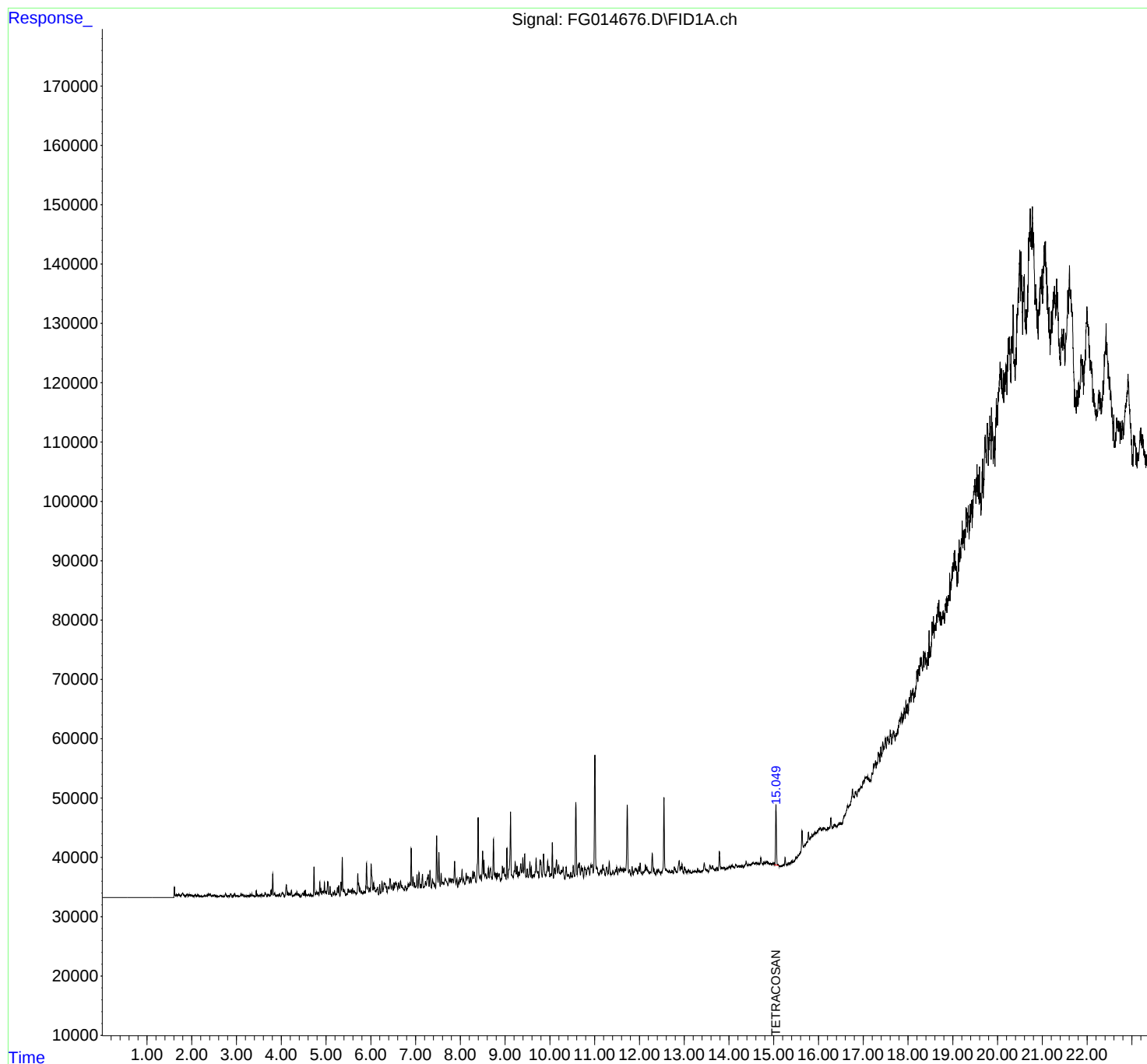
(m)=manual int.

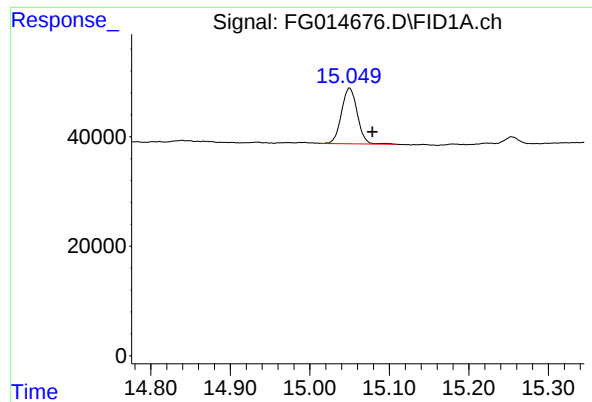
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110724\
Data File : FG014676.D
Signal(s) : FID1A.ch
Acq On : 07 Nov 2024 15:56
Operator : YP\AJ
Sample : P4721-06 10X
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-11-TPH-3

Integration File: autoint1.e
Quant Time: Nov 08 05:26:21 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Quant Title :
QLast Update : Mon Oct 21 17:03:32 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.: 15.050 min
Delta R.T.: -0.029 min
Response: 139952
Conc: 1.17 ug/ml

Instrument :
FID_G
ClientSampleId :
EX-11-TPH-3

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110724\
Data File : FG014676.D
Signal(s) : FID1A.ch
Acq On : 07 Nov 2024 15:56
Sample : P4721-06 10X
Misc :
ALS Vial : 66 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.830	4.810	4.844	HH	648	8560	1.90%	0.047%
2	4.861	4.844	4.876	HH	2376	24942	5.55%	0.136%
3	4.886	4.876	4.904	HH	1222	13305	2.96%	0.072%
4	4.919	4.904	4.931	HH	819	10301	2.29%	0.056%
5	4.941	4.931	4.949	HH	821	7498	1.67%	0.041%
6	4.965	4.949	4.983	HH	2315	25574	5.69%	0.139%
7	4.994	4.983	5.008	HH	794	9470	2.11%	0.052%
8	5.039	5.008	5.061	HH	2446	42018	9.35%	0.229%
9	5.089	5.061	5.131	HH	1615	23518	5.23%	0.128%
10	5.157	5.131	5.172	HH	652	8775	1.95%	0.048%
11	5.191	5.172	5.213	HH	909	12147	2.70%	0.066%
12	5.221	5.213	5.233	HH	285	2895	0.64%	0.016%
13	5.255	5.233	5.268	HH	1449	18158	4.04%	0.099%
14	5.284	5.268	5.310	HH	1773	21736	4.84%	0.118%
15	5.334	5.310	5.346	HH	2388	24805	5.52%	0.135%
16	5.363	5.346	5.383	HH	6527	69941	15.56%	0.381%
17	5.397	5.383	5.412	HH	1184	15947	3.55%	0.087%
18	5.418	5.412	5.437	HH	708	6374	1.42%	0.035%
19	5.451	5.437	5.455	HH	354	2735	0.61%	0.015%
20	5.462	5.455	5.473	HH	358	3302	0.73%	0.018%
21	5.494	5.473	5.509	HH	1186	16424	3.65%	0.089%
22	5.520	5.509	5.535	HH	996	12251	2.73%	0.067%
23	5.560	5.535	5.574	HH	1084	17559	3.91%	0.096%
24	5.590	5.574	5.608	HH	1332	18110	4.03%	0.099%
25	5.620	5.608	5.624	HH	853	6678	1.49%	0.036%
26	5.628	5.624	5.649	HH	887	10408	2.32%	0.057%
27	5.657	5.649	5.671	HH	603	6291	1.40%	0.034%
28	5.684	5.671	5.692	HH	510	5300	1.18%	0.029%
29	5.709	5.692	5.722	HH	3784	41856	9.31%	0.228%
30	5.729	5.722	5.745	HH	2190	21542	4.79%	0.117%
31	5.755	5.745	5.776	HH	1375	18774	4.18%	0.102%
32	5.791	5.776	5.829	HH	792	17954	3.99%	0.098%
33	5.843	5.829	5.856	HH	745	9597	2.13%	0.052%
34	5.866	5.856	5.881	HH	729	9237	2.05%	0.050%
35	5.905	5.881	5.933	HH	5543	85689	19.06%	0.466%
36	5.940	5.933	5.958	HH	1422	16566	3.69%	0.090%

					rteres			
37	5.979	5.958	5.990	HH	1313	19412	4.32%	0.106%
38	6.008	5.990	6.049	HH	5327	102039	22.70%	0.555%
39	6.063	6.049	6.075	HH	2253	25666	5.71%	0.140%
40	6.083	6.075	6.116	HH	1465	24664	5.49%	0.134%
41	6.149	6.116	6.174	HH	1498	32170	7.16%	0.175%
42	6.198	6.174	6.215	HH	1960	24541	5.46%	0.134%
43	6.250	6.215	6.270	HH	2433	40606	9.03%	0.221%
44	6.299	6.270	6.315	HH	2295	44614	9.92%	0.243%
45	6.322	6.315	6.336	HH	2120	23597	5.25%	0.128%
46	6.346	6.336	6.363	HH	1641	20511	4.56%	0.112%
47	6.387	6.363	6.411	HH	1601	35195	7.83%	0.192%
48	6.429	6.411	6.461	HH	2924	59872	13.32%	0.326%
49	6.475	6.461	6.501	HH	1853	35413	7.88%	0.193%
50	6.516	6.501	6.529	HH	2261	27946	6.22%	0.152%
51	6.558	6.529	6.603	HH	2420	81307	18.09%	0.443%
52	6.620	6.603	6.644	HH	2228	41267	9.18%	0.225%
53	6.663	6.644	6.684	HH	2538	45811	10.19%	0.249%
54	6.695	6.684	6.711	HH	1782	25581	5.69%	0.139%
55	6.715	6.711	6.736	HH	1414	19008	4.23%	0.103%
56	6.739	6.736	6.750	HH	1132	8742	1.94%	0.048%
57	6.767	6.750	6.778	HH	1732	24055	5.35%	0.131%
58	6.783	6.778	6.798	HH	1462	14683	3.27%	0.080%
59	6.834	6.798	6.848	HH	2060	45348	10.09%	0.247%
60	6.872	6.848	6.883	HH	2269	40742	9.06%	0.222%
61	6.902	6.883	6.926	HH	8038	107877	24.00%	0.587%
62	6.942	6.926	6.963	HH	3245	53594	11.92%	0.292%
63	6.974	6.963	6.989	HH	2233	29575	6.58%	0.161%
64	7.031	6.989	7.053	HH	3581	78006	17.35%	0.425%
65	7.077	7.053	7.102	HH	3984	74535	16.58%	0.406%
66	7.114	7.102	7.127	HH	1951	24279	5.40%	0.132%
67	7.153	7.127	7.178	HH	3708	72073	16.03%	0.392%
68	7.221	7.178	7.240	HH	2522	68059	15.14%	0.371%
69	7.263	7.240	7.269	HH	3037	44641	9.93%	0.243%
70	7.282	7.269	7.302	HH	3615	54918	12.22%	0.299%
71	7.321	7.302	7.353	HH	4290	80012	17.80%	0.436%
72	7.377	7.353	7.393	HH	2847	53111	11.81%	0.289%
73	7.401	7.393	7.419	HH	2239	31818	7.08%	0.173%
74	7.430	7.419	7.448	HH	1997	29921	6.66%	0.163%
75	7.470	7.448	7.502	HH	10197	156228	34.75%	0.850%
76	7.520	7.502	7.550	HH	7349	111853	24.88%	0.609%
77	7.571	7.550	7.588	HH	3787	61504	13.68%	0.335%
78	7.601	7.588	7.609	HH	2299	27535	6.12%	0.150%
79	7.619	7.609	7.631	HH	2301	28452	6.33%	0.155%
80	7.660	7.631	7.671	HH	2943	61068	13.58%	0.332%
81	7.674	7.671	7.722	HH	2834	71488	15.90%	0.389%
82	7.749	7.722	7.775	HH	3009	78527	17.47%	0.427%
83	7.786	7.775	7.799	HH	2929	39408	8.77%	0.215%
84	7.827	7.799	7.846	HH	2828	73177	16.28%	0.398%
85	7.872	7.846	7.902	HH	5869	121368	27.00%	0.661%
86	7.920	7.902	7.942	HH	2927	55353	12.31%	0.301%
87	7.959	7.942	7.974	HH	2413	40143	8.93%	0.219%
88	7.989	7.974	8.002	HH	3175	45209	10.06%	0.246%
89	8.038	8.002	8.056	HH	4418	101898	22.67%	0.555%

					rteres			
90	8.067	8.056	8.099	HH	2909	64075	14.25%	0.349%
91	8.130	8.099	8.146	HH	3837	80169	17.83%	0.436%
92	8.160	8.146	8.172	HH	3297	47516	10.57%	0.259%
93	8.181	8.172	8.199	HH	3249	46995	10.45%	0.256%
94	8.223	8.199	8.242	HH	3165	68704	15.28%	0.374%
95	8.280	8.242	8.296	HH	4171	103619	23.05%	0.564%
96	8.312	8.296	8.353	HH	4070	108357	24.10%	0.590%
97	8.397	8.353	8.435	HH	13230	273335	60.80%	1.488%
98	8.454	8.435	8.472	HH	3586	70376	15.65%	0.383%
99	8.498	8.472	8.514	HH	7616	128332	28.55%	0.699%
100	8.527	8.514	8.549	HH	6045	95487	21.24%	0.520%
101	8.565	8.549	8.593	HH	3755	89647	19.94%	0.488%
102	8.626	8.593	8.642	HH	4740	109838	24.43%	0.598%
103	8.673	8.642	8.712	HH	4678	156835	34.89%	0.854%
104	8.740	8.712	8.763	HH	9576	169363	37.67%	0.922%
105	8.775	8.763	8.786	HH	3939	50374	11.21%	0.274%
106	8.798	8.786	8.814	HH	3843	57113	12.70%	0.311%
107	8.830	8.814	8.843	HH	3859	60847	13.54%	0.331%
108	8.868	8.843	8.896	HH	3769	104321	23.21%	0.568%
109	8.909	8.896	8.920	HH	2959	39063	8.69%	0.213%
110	8.939	8.920	8.953	HH	4996	80514	17.91%	0.438%
111	8.974	8.953	8.991	HH	4748	93145	20.72%	0.507%
112	9.004	8.991	9.021	HH	3646	59615	13.26%	0.325%
113	9.040	9.021	9.064	HH	8070	131831	29.33%	0.718%
114	9.121	9.064	9.144	HH	14140	311264	69.24%	1.695%
115	9.148	9.144	9.169	HH	3565	50913	11.33%	0.277%
116	9.173	9.169	9.181	HH	3289	23659	5.26%	0.129%
117	9.202	9.181	9.210	HH	4269	66224	14.73%	0.361%
118	9.225	9.210	9.249	HH	5741	108107	24.05%	0.589%
119	9.266	9.249	9.285	HH	5041	92049	20.48%	0.501%
120	9.301	9.285	9.316	HH	4128	68335	15.20%	0.372%
121	9.350	9.316	9.367	HH	5472	134156	29.84%	0.730%
122	9.374	9.367	9.381	HH	4256	34350	7.64%	0.187%
123	9.396	9.381	9.414	HH	6445	101555	22.59%	0.553%
124	9.437	9.414	9.470	HH	7097	156080	34.72%	0.850%
125	9.493	9.470	9.520	HH	4580	111097	24.71%	0.605%
126	9.554	9.520	9.572	HH	5708	129219	28.74%	0.703%
127	9.586	9.572	9.601	HH	4915	69649	15.49%	0.379%
128	9.614	9.601	9.626	HH	3460	50290	11.19%	0.274%
129	9.638	9.626	9.658	HH	3603	65488	14.57%	0.357%
130	9.692	9.658	9.723	HH	6338	178160	39.63%	0.970%
131	9.736	9.723	9.754	HH	4142	69719	15.51%	0.380%
132	9.781	9.754	9.791	HH	6110	102460	22.79%	0.558%
133	9.800	9.791	9.827	HH	5798	99484	22.13%	0.542%
134	9.859	9.827	9.910	HH	7105	226323	50.34%	1.232%
135	9.950	9.910	9.968	HH	5909	156504	34.81%	0.852%
136	9.980	9.968	9.999	HH	4969	79231	17.62%	0.431%
137	10.021	9.999	10.035	HH	3729	76613	17.04%	0.417%
138	10.055	10.035	10.079	HH	9030	143075	31.83%	0.779%
139	10.102	10.079	10.122	HH	4650	102935	22.90%	0.560%
140	10.148	10.122	10.174	HH	6077	152568	33.94%	0.831%
141	10.195	10.174	10.218	HH	5274	120722	26.85%	0.657%

					rteres			
142	10.223	10.218	10.236	HH	3948	40632	9.04%	0.221%
143	10.253	10.236	10.279	HH	4348	105800	23.53%	0.576%
144	10.296	10.279	10.335	HH	4865	129195	28.74%	0.703%
145	10.363	10.335	10.395	HH	4902	137842	30.66%	0.750%
146	10.404	10.395	10.413	HH	3619	36915	8.21%	0.201%
147	10.421	10.413	10.445	HH	3526	65053	14.47%	0.354%
148	10.466	10.445	10.497	HH	4021	107051	23.81%	0.583%
149	10.522	10.497	10.550	HH	5152	127380	28.34%	0.693%
150	10.579	10.550	10.607	HH	15797	282698	62.88%	1.539%
151	10.631	10.607	10.641	HH	5242	93431	20.78%	0.509%
152	10.657	10.641	10.683	HH	5597	118334	26.32%	0.644%
153	10.702	10.683	10.718	HH	5090	92894	20.66%	0.506%
154	10.729	10.718	10.752	HH	4711	83934	18.67%	0.457%
155	10.777	10.752	10.788	HH	4837	89276	19.86%	0.486%
156	10.796	10.788	10.813	HH	4523	61543	13.69%	0.335%
157	10.840	10.813	10.848	HH	4750	91086	20.26%	0.496%
158	10.860	10.848	10.890	HH	4794	108668	24.17%	0.592%
159	10.913	10.890	10.925	HH	5270	96441	21.45%	0.525%
160	10.947	10.925	10.967	HH	5327	120757	26.86%	0.657%
161	11.005	10.967	11.035	HV	23730	449548	100.00%	2.447%
162	11.050	11.035	11.096	VV	4734	148284	32.99%	0.807%
163	11.129	11.096	11.133	VV	4015	82257	18.30%	0.448%
164	11.144	11.133	11.160	VV	4227	63907	14.22%	0.348%
165	11.182	11.160	11.199	VV	5021	102326	22.76%	0.557%
166	11.207	11.199	11.240	VV	4207	92132	20.49%	0.502%
167	11.265	11.240	11.299	VV	4499	139060	30.93%	0.757%
168	11.325	11.299	11.353	VV	5364	134886	30.00%	0.734%
169	11.363	11.353	11.382	VV	3343	54501	12.12%	0.297%
170	11.408	11.382	11.428	VV	3639	94156	20.94%	0.513%
171	11.433	11.428	11.443	VV	3262	28172	6.27%	0.153%
172	11.467	11.443	11.476	VV	3686	68682	15.28%	0.374%
173	11.496	11.476	11.515	VV	4266	88205	19.62%	0.480%
174	11.542	11.515	11.557	VV	3970	91405	20.33%	0.498%
175	11.576	11.557	11.606	VV	4010	108474	24.13%	0.591%
176	11.613	11.606	11.622	VV	3677	35885	7.98%	0.195%
177	11.631	11.622	11.648	VV	3772	54634	12.15%	0.297%
178	11.663	11.648	11.669	VV	3830	45326	10.08%	0.247%
179	11.675	11.669	11.695	VV	3704	55548	12.36%	0.302%
180	11.728	11.695	11.761	VV	14445	285834	63.58%	1.556%
181	11.778	11.761	11.809	VV	3452	89212	19.84%	0.486%
182	11.836	11.809	11.860	VV	3942	94998	21.13%	0.517%
183	11.902	11.860	11.917	VV	3566	105779	23.53%	0.576%
184	11.921	11.917	11.935	VV	3387	36658	8.15%	0.200%
185	11.940	11.935	11.963	VV	3220	49047	10.91%	0.267%
186	11.987	11.963	12.001	VV	3757	72404	16.11%	0.394%
187	12.017	12.001	12.039	VV	4339	80024	17.80%	0.436%
188	12.046	12.039	12.064	VV	2708	37655	8.38%	0.205%
189	12.083	12.064	12.098	VV	2852	52615	11.70%	0.286%
190	12.135	12.098	12.151	VV	3838	100306	22.31%	0.546%
191	12.166	12.151	12.186	VV	3467	66502	14.79%	0.362%
192	12.190	12.186	12.218	VV	2920	51486	11.45%	0.280%
193	12.240	12.218	12.248	VV	2534	42520	9.46%	0.231%
194	12.252	12.248	12.256	VV	2491	11984	2.67%	0.065%

					rteres			
195	12.287	12.256	12.312	VV	5609	127122	28.28%	0.692%
196	12.326	12.312	12.360	VV	3001	72291	16.08%	0.394%
197	12.391	12.360	12.405	VV	2714	63247	14.07%	0.344%
198	12.422	12.405	12.478	VV	2704	103306	22.98%	0.562%
199	12.491	12.478	12.503	VV	2339	32736	7.28%	0.178%
200	12.548	12.503	12.582	VV	14699	254693	56.66%	1.387%
201	12.587	12.582	12.592	VV	2539	15670	3.49%	0.085%
202	12.602	12.592	12.621	VV	2561	41471	9.23%	0.226%
203	12.633	12.621	12.654	VV	2305	43445	9.66%	0.237%
204	12.665	12.654	12.707	VV	2337	65854	14.65%	0.359%
205	12.734	12.707	12.758	VV	2255	61109	13.59%	0.333%
206	12.780	12.758	12.820	VV	2814	83386	18.55%	0.454%
207	12.825	12.820	12.841	VV	1941	23307	5.18%	0.127%
208	12.888	12.841	12.907	VV	3702	107492	23.91%	0.585%
209	12.923	12.907	12.936	VV	2608	42111	9.37%	0.229%
210	12.951	12.936	12.987	VV	3115	68359	15.21%	0.372%
211	13.007	12.987	13.041	VV	2559	66154	14.72%	0.360%
212	13.045	13.041	13.052	VV	1645	10112	2.25%	0.055%
213	13.067	13.052	13.082	VV	1670	28699	6.38%	0.156%
214	13.093	13.082	13.099	VV	1853	18116	4.03%	0.099%
215	13.103	13.099	13.116	VV	1877	17998	4.00%	0.098%
216	13.120	13.116	13.126	VV	1613	9314	2.07%	0.051%
217	13.133	13.126	13.144	VV	1691	17123	3.81%	0.093%
218	13.148	13.144	13.159	VV	1443	12333	2.74%	0.067%
219	13.164	13.159	13.175	VV	1380	12552	2.79%	0.068%
220	13.191	13.175	13.212	VV	1576	32558	7.24%	0.177%
221	13.226	13.212	13.241	VV	1580	25730	5.72%	0.140%
222	13.251	13.241	13.266	VV	1542	21853	4.86%	0.119%
223	13.270	13.266	13.283	VV	1451	14161	3.15%	0.077%
224	13.300	13.283	13.329	VV	1784	41305	9.19%	0.225%
225	13.340	13.329	13.356	VV	1489	22067	4.91%	0.120%
226	13.371	13.356	13.386	VV	1396	23449	5.22%	0.128%
227	13.400	13.386	13.409	VV	1389	18525	4.12%	0.101%
228	13.448	13.409	13.483	VV	2668	81816	18.20%	0.445%
229	13.496	13.483	13.500	VV	1447	13821	3.07%	0.075%
230	13.504	13.500	13.528	VV	1456	22126	4.92%	0.120%
231	13.533	13.528	13.541	VV	1238	9357	2.08%	0.051%
232	13.575	13.541	13.608	VV	2145	64738	14.40%	0.352%
233	13.637	13.608	13.683	VV	1969	69937	15.56%	0.381%
234	13.700	13.683	13.714	VV	1415	23455	5.22%	0.128%
235	13.731	13.714	13.755	VV	1583	32841	7.31%	0.179%
236	13.787	13.755	13.817	VV	4188	84551	18.81%	0.460%
237	13.835	13.817	13.853	VV	1473	29876	6.65%	0.163%
238	13.858	13.853	13.871	VV	1349	13534	3.01%	0.074%
239	13.889	13.871	13.921	VV	1458	37810	8.41%	0.206%
240	13.944	13.921	13.957	VV	1163	23582	5.25%	0.128%
241	13.965	13.957	13.983	VV	1214	18470	4.11%	0.101%
242	14.006	13.983	14.029	VV	1453	35497	7.90%	0.193%
243	14.063	14.029	14.084	VV	1589	45438	10.11%	0.247%
244	14.099	14.084	14.122	VV	1357	27306	6.07%	0.149%
245	14.151	14.122	14.163	VV	1627	33030	7.35%	0.180%
246	14.169	14.163	14.189	VV	1467	19404	4.32%	0.106%

					rteres			
247	14.209	14.189	14.230	VV	1340	29039	6.46%	0.158%
248	14.240	14.230	14.256	VV	1181	17629	3.92%	0.096%
249	14.280	14.256	14.284	VV	1134	18807	4.18%	0.102%
250	14.300	14.284	14.323	VV	1170	24526	5.46%	0.134%
251	14.383	14.323	14.414	VV	1728	69847	15.54%	0.380%
252	14.446	14.414	14.477	VV	1329	45595	10.14%	0.248%
253	14.483	14.477	14.496	VV	1130	12554	2.79%	0.068%
254	14.523	14.496	14.529	VV	1397	25252	5.62%	0.137%
255	14.544	14.529	14.575	VV	1454	36264	8.07%	0.197%
256	14.600	14.575	14.604	VV	1301	21859	4.86%	0.119%
257	14.618	14.604	14.639	VV	1338	26034	5.79%	0.142%
258	14.648	14.639	14.655	VV	1141	10365	2.31%	0.056%
259	14.662	14.655	14.686	VV	1187	21101	4.69%	0.115%
260	14.714	14.686	14.748	VV	2079	52082	11.59%	0.284%
261	14.752	14.748	14.761	VV	1012	7980	1.78%	0.043%
262	14.784	14.761	14.792	VV	1144	19034	4.23%	0.104%
263	14.811	14.792	14.818	VV	1151	16913	3.76%	0.092%
264	14.840	14.818	14.863	VV	1340	31183	6.94%	0.170%
265	14.866	14.863	14.913	VV	1128	27773	6.18%	0.151%
266	14.934	14.913	14.955	VV	862	19789	4.40%	0.108%
267	14.974	14.955	14.982	VV	749	11203	2.49%	0.061%
268	14.993	14.982	15.016	VV	769	13815	3.07%	0.075%
269	15.050	15.016	15.083	VV	10645	156502	34.81%	0.852%
270	15.095	15.083	15.137	VV	454	9453	2.10%	0.051%
271	15.143	15.137	15.161	VV	221	1844	0.41%	0.010%
272	15.179	15.161	15.198	PV	221	2598	0.58%	0.014%
273	15.222	15.198	15.233	VV	284	3544	0.79%	0.019%
274	15.254	15.233	15.280	VV	1355	16845	3.75%	0.092%
275	15.285	15.280	15.289	VV	52	157	0.03%	0.001%
276	15.348	15.289	15.357	PV	108	2755	0.61%	0.015%
277	15.394	15.357	15.411	PV	383	6423	1.43%	0.035%
278	15.417	15.411	15.431	VV	211	1395	0.31%	0.008%
279	15.462	15.431	15.466	PV	107	1213	0.27%	0.007%
280	15.512	15.466	15.520	VV	360	9091	2.02%	0.049%
281	15.632	15.520	15.663	VV	4168	102196	22.73%	0.556%
282	15.696	15.663	15.708	VV	1469	35131	7.81%	0.191%
283	15.742	15.708	15.748	VV	1595	35571	7.91%	0.194%
284	15.775	15.748	15.803	VV	3071	70159	15.61%	0.382%
285	15.819	15.803	15.826	VV	1951	25947	5.77%	0.141%
286	15.854	15.826	15.872	VV	2187	53580	11.92%	0.292%
287	15.900	15.872	15.910	VV	2120	45497	10.12%	0.248%
288	15.922	15.910	15.933	VV	2260	30204	6.72%	0.164%
289	15.939	15.933	15.950	VV	2055	20364	4.53%	0.111%
290	15.978	15.950	15.984	VV	2110	39664	8.82%	0.216%
291	16.003	15.984	16.012	VV	2212	35124	7.81%	0.191%
292	16.041	16.012	16.076	VV	2245	77100	17.15%	0.420%
293	16.093	16.076	16.099	VV	1921	25300	5.63%	0.138%
294	16.106	16.099	16.119	VV	1863	21318	4.74%	0.116%
295	16.130	16.119	16.143	VV	1697	23432	5.21%	0.128%
296	16.147	16.143	16.159	VV	1503	13280	2.95%	0.072%
297	16.168	16.159	16.176	VV	1277	12188	2.71%	0.066%
298	16.180	16.176	16.188	VV	1147	7682	1.71%	0.042%
299	16.210	16.188	16.221	VV	1252	22366	4.98%	0.122%

					rteres			
300	16.244	16.221	16.253	VV	1145	20611	4.58%	0.112%
301	16.276	16.253	16.303	VV	2574	48621	10.82%	0.265%
302	16.314	16.303	16.320	VV	768	7187	1.60%	0.039%
303	16.345	16.320	16.360	VV	1011	18270	4.06%	0.099%
304	16.367	16.360	16.406	VV	768	15621	3.47%	0.085%
305	16.413	16.406	16.419	VV	407	2647	0.59%	0.014%
306	16.466	16.419	16.483	VV	647	16755	3.73%	0.091%
307	16.504	16.483	16.521	VV	366	5738	1.28%	0.031%
308	16.577	16.521	16.585	PV	919	18581	4.13%	0.101%
309	16.645	16.585	16.662	VV	1770	53564	11.92%	0.292%
310	16.673	16.662	16.682	VV	1394	16249	3.61%	0.088%
311	16.701	16.682	16.710	VV	1316	20643	4.59%	0.112%
312	16.759	16.710	16.788	VV	3287	100152	22.28%	0.545%
313	16.794	16.788	16.804	VV	1703	14614	3.25%	0.080%
314	16.824	16.804	16.829	VV	2106	28052	6.24%	0.153%
315	16.834	16.829	16.863	VV	2038	29387	6.54%	0.160%
316	16.896	16.863	16.906	VV	1716	37737	8.39%	0.205%
317	16.915	16.906	16.920	VV	1554	12083	2.69%	0.066%
318	16.959	16.920	16.971	VV	1528	43771	9.74%	0.238%
319	16.992	16.971	17.003	VV	1972	30255	6.73%	0.165%
320	17.022	17.003	17.028	VV	1905	26721	5.94%	0.145%
321	17.042	17.028	17.048	VV	2070	22449	4.99%	0.122%
322	17.054	17.048	17.060	VV	1983	13682	3.04%	0.074%
323	17.071	17.060	17.086	VV	1913	27107	6.03%	0.148%
324	17.100	17.086	17.118	VV	1654	23621	5.25%	0.129%
325	17.126	17.118	17.146	VV	1048	10569	2.35%	0.058%
326	17.156	17.146	17.166	VV	374	3536	0.79%	0.019%
327	17.171	17.166	17.175	VV	211	854	0.19%	0.005%
328	17.195	17.175	17.212	PV	975	13853	3.08%	0.075%
329	17.229	17.212	17.240	VV	1864	19435	4.32%	0.106%
330	17.256	17.240	17.261	VV	1384	13581	3.02%	0.074%
331	17.275	17.261	17.288	VV	1450	16750	3.73%	0.091%
332	17.304	17.288	17.316	PV	586	4310	0.96%	0.023%
333	17.336	17.316	17.343	PV	821	3491	0.78%	0.019%
Sum of corrected areas:					18368989			

FG102124.M Fri Nov 08 07:48:14 2024

Report of Analysis

Client:	ENTACT	Date Collected:	11/05/24
Project:	North Point	Date Received:	11/05/24
Client Sample ID:	EX-11-TPH-4	SDG No.:	P4721
Lab Sample ID:	P4721-07	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	85.6
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
FG014706.D	100	11/07/24 08:30	11/08/24 10:24	PB164744

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	1590000		21600	195000	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_G\Data\FG110724\
Data File : FG014706.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 10:24
Operator : YP\AJ
Sample : P4721-07 100X
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-11-TPH-4

Integration File: autoint1.e
Quant Time: Nov 09 00:05:02 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Quant Title :
QLast Update : Mon Oct 21 17:03:32 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

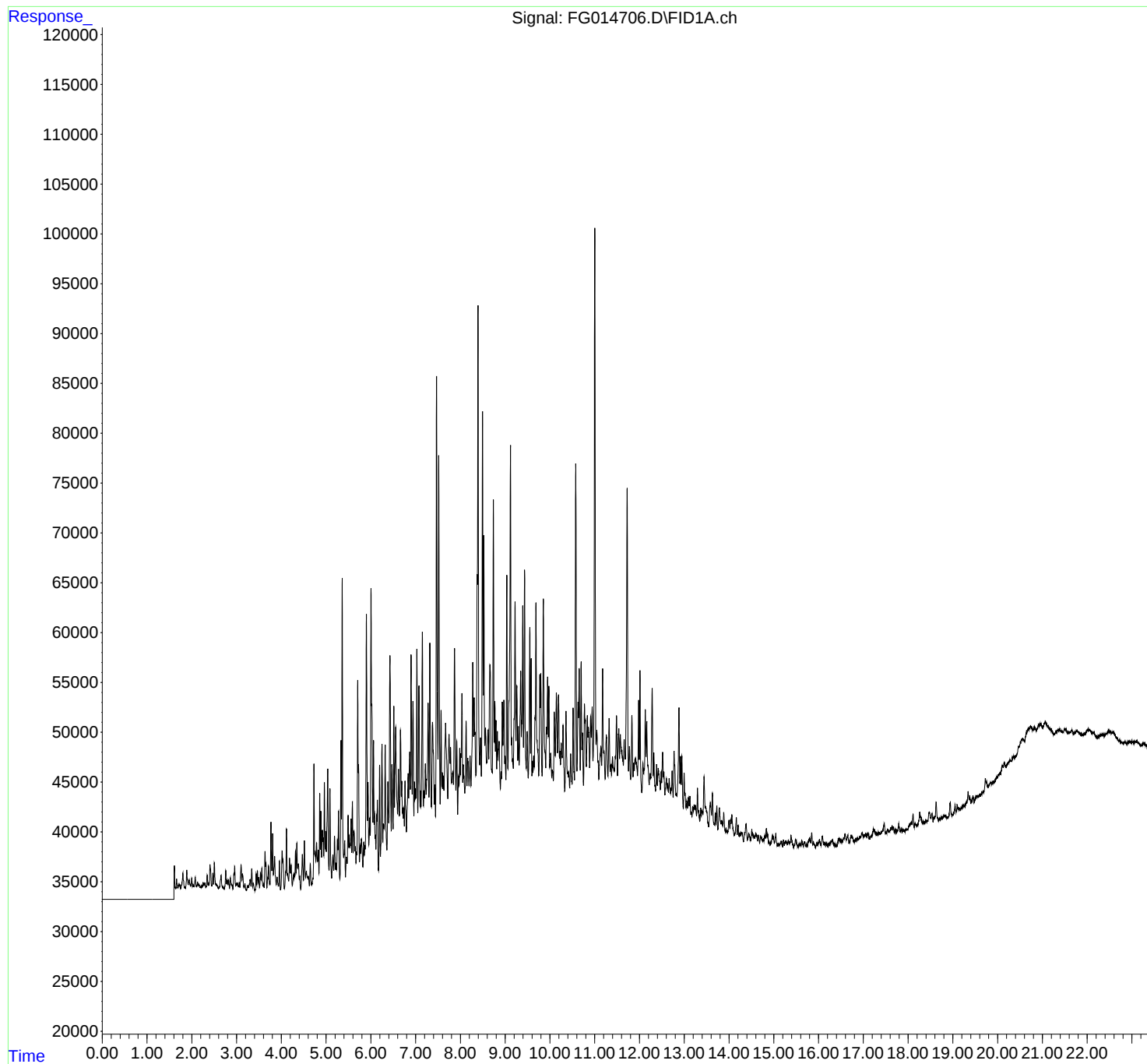
(m)=manual int.

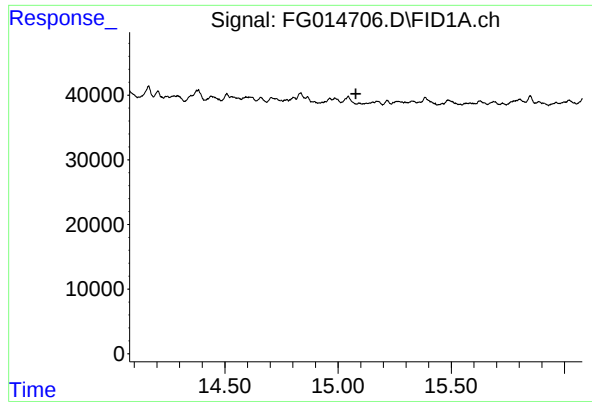
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110724\
Data File : FG014706.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 10:24
Operator : YP\AJ
Sample : P4721-07 100X
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-11-TPH-4

Integration File: autoint1.e
Quant Time: Nov 09 00:05:02 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Quant Title :
QLast Update : Mon Oct 21 17:03:32 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.: 15.079 min
Response: 0
Conc: N.D.

Instrument :
FID_G
ClientSampleId :
EX-11-TPH-4

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110724\
Data File : FG014706.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 10:24
Sample : P4721-07 100X
Misc :
ALS Vial : 65 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.470	4.434	4.496	PV	3532	66126	5.99%	0.123%
2	4.515	4.496	4.542	VV	4879	70992	6.43%	0.132%
3	4.560	4.542	4.597	VV	1749	44442	4.03%	0.083%
4	4.608	4.597	4.627	VV	1196	15273	1.38%	0.028%
5	4.647	4.627	4.676	VV	2470	36110	3.27%	0.067%
6	4.681	4.676	4.692	VV	467	3920	0.36%	0.007%
7	4.729	4.692	4.746	VV	12456	143850	13.03%	0.268%
8	4.754	4.746	4.772	VV	3534	50664	4.59%	0.094%
9	4.788	4.772	4.810	VV	4496	78254	7.09%	0.146%
10	4.827	4.810	4.842	VV	3759	54226	4.91%	0.101%
11	4.859	4.842	4.871	VV	9403	100048	9.06%	0.187%
12	4.883	4.871	4.901	VV	7596	94009	8.52%	0.175%
13	4.918	4.901	4.930	VV	5696	79941	7.24%	0.149%
14	4.937	4.930	4.948	VV	4925	46366	4.20%	0.086%
15	4.962	4.948	4.979	VV	10425	122189	11.07%	0.228%
16	4.992	4.979	5.005	VV	5540	72007	6.52%	0.134%
17	5.037	5.005	5.067	VV	11757	225662	20.44%	0.421%
18	5.087	5.067	5.125	VV	9741	139985	12.68%	0.261%
19	5.153	5.125	5.170	VV	3046	56701	5.14%	0.106%
20	5.189	5.170	5.210	VV	4903	72334	6.55%	0.135%
21	5.221	5.210	5.232	VV	2202	24685	2.24%	0.046%
22	5.253	5.232	5.264	VV	4510	61820	5.60%	0.115%
23	5.279	5.264	5.308	VV	7356	96394	8.73%	0.180%
24	5.332	5.308	5.344	VV	14432	152019	13.77%	0.284%
25	5.360	5.344	5.392	VV	30683	362425	32.83%	0.676%
26	5.416	5.392	5.434	VV	4352	70532	6.39%	0.132%
27	5.460	5.434	5.471	VV	2665	46333	4.20%	0.086%
28	5.492	5.471	5.506	VV	6827	98830	8.95%	0.184%
29	5.516	5.506	5.527	VV	4801	53055	4.81%	0.099%
30	5.536	5.527	5.541	VV	3872	29369	2.66%	0.055%
31	5.558	5.541	5.572	VV	6435	90771	8.22%	0.169%
32	5.588	5.572	5.605	VV	8128	109506	9.92%	0.204%
33	5.625	5.605	5.645	VV	5113	104375	9.46%	0.195%
34	5.654	5.645	5.668	VV	3595	40482	3.67%	0.076%
35	5.681	5.668	5.689	VV	3081	33994	3.08%	0.063%
36	5.707	5.689	5.719	VV	20194	224040	20.30%	0.418%

rteres								
37	5.725	5.719	5.746	VV	11806	121521	11.01%	0.227%
38	5.761	5.746	5.773	VV	3631	49027	4.44%	0.091%
39	5.788	5.773	5.821	VV	4299	91221	8.26%	0.170%
40	5.842	5.821	5.854	VV	3914	58232	5.28%	0.109%
41	5.865	5.854	5.874	VV	3561	38662	3.50%	0.072%
42	5.901	5.874	5.926	VV	26734	414609	37.56%	0.773%
43	5.937	5.926	5.954	VV	9884	115816	10.49%	0.216%
44	5.976	5.954	5.987	VV	6260	97109	8.80%	0.181%
45	6.004	5.987	6.045	VV	29246	546865	49.54%	1.020%
46	6.060	6.045	6.073	VV	14014	161076	14.59%	0.300%
47	6.081	6.073	6.096	VV	6671	75573	6.85%	0.141%
48	6.101	6.096	6.113	VV	4340	38536	3.49%	0.072%
49	6.127	6.113	6.133	VV	6355	63920	5.79%	0.119%
50	6.145	6.133	6.170	VV	7958	104002	9.42%	0.194%
51	6.195	6.170	6.214	VV	11430	140415	12.72%	0.262%
52	6.248	6.214	6.267	VV	13517	215299	19.50%	0.402%
53	6.279	6.267	6.287	VV	5488	59363	5.38%	0.111%
54	6.295	6.287	6.301	VV	5358	43704	3.96%	0.082%
55	6.320	6.301	6.358	VV	13378	233328	21.14%	0.435%
56	6.380	6.358	6.398	VV	9656	155193	14.06%	0.289%
57	6.426	6.398	6.455	VV	22293	426284	38.62%	0.795%
58	6.471	6.455	6.496	VV	11345	198518	17.98%	0.370%
59	6.513	6.496	6.528	VV	17161	203607	18.44%	0.380%
60	6.554	6.528	6.597	VV	15003	423208	38.34%	0.789%
61	6.617	6.597	6.638	VV	10762	194770	17.64%	0.363%
62	6.661	6.638	6.681	VV	14674	271023	24.55%	0.505%
63	6.690	6.681	6.707	VV	9525	125304	11.35%	0.234%
64	6.715	6.707	6.727	VV	6777	76321	6.91%	0.142%
65	6.736	6.727	6.748	VV	6778	75767	6.86%	0.141%
66	6.763	6.748	6.794	VV	9504	193035	17.49%	0.360%
67	6.833	6.794	6.844	VV	10201	226750	20.54%	0.423%
68	6.868	6.844	6.881	VV	12366	228832	20.73%	0.427%
69	6.898	6.881	6.923	VV	22073	357605	32.40%	0.667%
70	6.940	6.923	6.961	VV	17389	282068	25.55%	0.526%
71	6.973	6.961	6.984	VV	9284	108858	9.86%	0.203%
72	6.994	6.984	7.008	VV	8579	114208	10.35%	0.213%
73	7.028	7.008	7.048	VV	22589	321929	29.16%	0.600%
74	7.074	7.048	7.099	VV	18855	363742	32.95%	0.678%
75	7.109	7.099	7.121	VV	8328	96886	8.78%	0.181%
76	7.150	7.121	7.174	VV	24217	428906	38.85%	0.800%
77	7.188	7.174	7.198	VV	8285	109151	9.89%	0.204%
78	7.217	7.198	7.235	VV	10947	200980	18.21%	0.375%
79	7.279	7.235	7.298	VV	17014	427672	38.74%	0.798%
80	7.317	7.298	7.352	VV	23018	424438	38.45%	0.792%
81	7.376	7.352	7.418	VV	15035	439212	39.79%	0.819%
82	7.430	7.418	7.444	VV	8741	115305	10.45%	0.215%
83	7.467	7.444	7.498	VV	49666	763282	69.15%	1.424%
84	7.516	7.498	7.547	VV	41691	617698	55.96%	1.152%
85	7.568	7.547	7.585	VV	16096	253730	22.99%	0.473%
86	7.595	7.585	7.607	VV	9829	119901	10.86%	0.224%
87	7.617	7.607	7.632	VV	9465	133875	12.13%	0.250%
88	7.670	7.632	7.719	VV	14749	577060	52.28%	1.076%
89	7.746	7.719	7.770	VV	13576	342497	31.03%	0.639%

					rteres			
90	7.781	7.770	7.798	VV	12250	181570	16.45%	0.339%
91	7.829	7.798	7.843	VV	9774	246075	22.29%	0.459%
92	7.869	7.843	7.899	VV	22121	471554	42.72%	0.879%
93	7.918	7.899	7.939	VV	12807	232654	21.08%	0.434%
94	7.958	7.939	7.970	VV	9263	149089	13.51%	0.278%
95	7.985	7.970	7.998	VV	12036	171856	15.57%	0.321%
96	8.010	7.998	8.016	VV	11460	114798	10.40%	0.214%
97	8.035	8.016	8.052	VV	17522	293108	26.55%	0.547%
98	8.063	8.052	8.098	VV	10281	250585	22.70%	0.467%
99	8.128	8.098	8.147	VV	14668	305499	27.68%	0.570%
100	8.164	8.147	8.192	VV	10908	264501	23.96%	0.493%
101	8.216	8.192	8.237	VV	11131	249060	22.56%	0.465%
102	8.276	8.237	8.294	VV	20475	470825	42.65%	0.878%
103	8.307	8.294	8.346	VV	16915	408258	36.98%	0.761%
104	8.375	8.346	8.378	VV	29178	332854	30.15%	0.621%
105	8.394	8.378	8.430	VV	56225	868549	78.68%	1.620%
106	8.450	8.430	8.468	VV	12815	255532	23.15%	0.477%
107	8.495	8.468	8.510	VV	45426	656357	59.46%	1.224%
108	8.523	8.510	8.546	VV	33072	461806	41.84%	0.861%
109	8.561	8.546	8.583	VV	13757	276676	25.06%	0.516%
110	8.591	8.583	8.595	VV	10396	71263	6.46%	0.133%
111	8.619	8.595	8.634	VV	13487	282109	25.56%	0.526%
112	8.660	8.634	8.712	VV	20010	656062	59.43%	1.224%
113	8.737	8.712	8.757	VV	36497	558815	50.62%	1.042%
114	8.771	8.757	8.782	VV	16288	209681	18.99%	0.391%
115	8.795	8.782	8.811	VV	14316	206058	18.67%	0.384%
116	8.825	8.811	8.842	VV	13224	214268	19.41%	0.400%
117	8.866	8.842	8.894	VV	12208	324749	29.42%	0.606%
118	8.908	8.894	8.918	VV	9161	121910	11.04%	0.227%
119	8.936	8.918	8.950	VV	16093	248287	22.49%	0.463%
120	8.972	8.950	8.991	VV	16265	324455	29.39%	0.605%
121	8.999	8.991	9.017	VV	10636	149288	13.52%	0.278%
122	9.037	9.017	9.061	VV	28724	446602	40.46%	0.833%
123	9.119	9.061	9.140	VV	41758	986868	89.40%	1.841%
124	9.146	9.140	9.162	VV	12373	152155	13.78%	0.284%
125	9.168	9.162	9.181	VV	10247	118733	10.76%	0.221%
126	9.222	9.181	9.243	VV	25952	594843	53.89%	1.109%
127	9.260	9.243	9.281	VV	17530	328922	29.80%	0.613%
128	9.295	9.281	9.312	VV	13432	218861	19.83%	0.408%
129	9.347	9.312	9.363	VV	18972	435988	39.50%	0.813%
130	9.373	9.363	9.376	VV	13828	103361	9.36%	0.193%
131	9.393	9.376	9.410	VV	25473	367358	33.28%	0.685%
132	9.434	9.410	9.471	VV	29066	582719	52.79%	1.087%
133	9.491	9.471	9.515	VV	12759	276501	25.05%	0.516%
134	9.551	9.515	9.568	VV	23215	448605	40.64%	0.837%
135	9.581	9.568	9.598	VV	20107	259263	23.49%	0.484%
136	9.609	9.598	9.620	VV	9742	120764	10.94%	0.225%
137	9.636	9.620	9.650	VV	10281	170425	15.44%	0.318%
138	9.688	9.650	9.726	VV	25593	671050	60.79%	1.252%
139	9.730	9.726	9.750	VV	10898	142495	12.91%	0.266%
140	9.775	9.750	9.786	VV	18375	295114	26.73%	0.550%
141	9.797	9.786	9.825	VV	18432	303657	27.51%	0.566%

rteres								
142	9.853	9.825	9.906	VV	25879	686324	62.17%	1.280%
143	9.923	9.906	9.931	VV	13006	176400	15.98%	0.329%
144	9.948	9.931	9.964	VV	17993	296279	26.84%	0.553%
145	9.977	9.964	9.996	VV	17051	251560	22.79%	0.469%
146	10.016	9.996	10.042	VV	10336	255835	23.18%	0.477%
147	10.053	10.042	10.077	VV	8640	172836	15.66%	0.322%
148	10.097	10.077	10.119	VV	14353	289447	26.22%	0.540%
149	10.144	10.119	10.169	VV	16223	387728	35.12%	0.723%
150	10.191	10.169	10.214	VV	16079	355112	32.17%	0.662%
151	10.221	10.214	10.236	VV	10395	130641	11.83%	0.244%
152	10.252	10.236	10.273	VV	11174	227337	20.59%	0.424%
153	10.292	10.273	10.332	VV	12954	344190	31.18%	0.642%
154	10.358	10.332	10.392	VV	14271	360744	32.68%	0.673%
155	10.398	10.392	10.410	VV	8126	85031	7.70%	0.159%
156	10.420	10.410	10.441	VV	8210	142857	12.94%	0.266%
157	10.463	10.441	10.494	VV	9972	256667	23.25%	0.479%
158	10.517	10.494	10.549	VV	14554	318324	28.84%	0.594%
159	10.577	10.549	10.603	VV	39014	672608	60.93%	1.254%
160	10.627	10.603	10.637	VV	15068	248107	22.48%	0.463%
161	10.653	10.637	10.677	VV	18411	330900	29.98%	0.617%
162	10.697	10.677	10.715	VV	19090	309802	28.07%	0.578%
163	10.725	10.715	10.749	VV	11932	195662	17.73%	0.365%
164	10.772	10.749	10.784	VV	14778	238243	21.58%	0.444%
165	10.790	10.784	10.812	VV	13067	192186	17.41%	0.358%
166	10.835	10.812	10.849	VV	13598	254871	23.09%	0.475%
167	10.859	10.849	10.886	VV	12419	244607	22.16%	0.456%
168	10.909	10.886	10.924	VV	13407	256673	23.25%	0.479%
169	10.943	10.924	10.961	VV	14400	268504	24.32%	0.501%
170	11.002	10.961	11.029	VV	62359	1103874	100.00%	2.059%
171	11.047	11.029	11.092	VV	12018	373235	33.81%	0.696%
172	11.138	11.092	11.155	VV	10330	341453	30.93%	0.637%
173	11.177	11.155	11.234	VV	18105	512390	46.42%	0.956%
174	11.259	11.234	11.295	VV	11425	340126	30.81%	0.634%
175	11.322	11.295	11.345	VV	12998	294074	26.64%	0.548%
176	11.363	11.345	11.377	VV	8359	153862	13.94%	0.287%
177	11.399	11.377	11.431	VV	9127	265025	24.01%	0.494%
178	11.436	11.431	11.444	VV	7815	61002	5.53%	0.114%
179	11.460	11.444	11.467	VV	9089	118726	10.76%	0.221%
180	11.487	11.467	11.509	VV	13175	266821	24.17%	0.498%
181	11.538	11.509	11.555	VV	11871	277469	25.14%	0.518%
182	11.573	11.555	11.602	VV	11246	284438	25.77%	0.531%
183	11.608	11.602	11.640	VV	9676	201199	18.23%	0.375%
184	11.659	11.640	11.685	VV	10688	256727	23.26%	0.479%
185	11.724	11.685	11.755	VV	35884	768350	69.60%	1.433%
186	11.776	11.755	11.802	VV	9938	237749	21.54%	0.443%
187	11.831	11.802	11.858	VV	13005	302490	27.40%	0.564%
188	11.874	11.858	11.885	VV	8213	124587	11.29%	0.232%
189	11.898	11.885	11.910	VV	8533	121004	10.96%	0.226%
190	11.916	11.910	11.956	VV	8649	221185	20.04%	0.413%
191	11.982	11.956	11.996	VV	14429	247905	22.46%	0.462%
192	12.012	11.996	12.054	VV	17343	329466	29.85%	0.614%
193	12.077	12.054	12.095	VV	8099	171369	15.52%	0.320%
194	12.104	12.095	12.110	VV	7395	66583	6.03%	0.124%

					rteres			
195	12.130	12.110	12.147	VV	13416	229614	20.80%	0.428%
196	12.163	12.147	12.219	VV	12253	363221	32.90%	0.677%
197	12.238	12.219	12.254	VV	6950	139476	12.64%	0.260%
198	12.284	12.254	12.307	VV	15448	329750	29.87%	0.615%
199	12.321	12.307	12.359	VV	8962	214239	19.41%	0.400%
200	12.383	12.359	12.400	VV	7735	155548	14.09%	0.290%
201	12.419	12.400	12.469	VV	7352	263921	23.91%	0.492%
202	12.486	12.469	12.496	VV	6971	102158	9.25%	0.191%
203	12.517	12.496	12.537	VV	8893	183613	16.63%	0.342%
204	12.546	12.537	12.568	VV	6895	111378	10.09%	0.208%
205	12.603	12.568	12.617	VV	6215	162194	14.69%	0.303%
206	12.631	12.617	12.649	VV	5693	99856	9.05%	0.186%
207	12.663	12.649	12.693	VV	6098	143590	13.01%	0.268%
208	12.704	12.693	12.713	VV	5191	60490	5.48%	0.113%
209	12.730	12.713	12.752	VV	6915	130279	11.80%	0.243%
210	12.773	12.752	12.832	VV	8869	288717	26.15%	0.538%
211	12.836	12.832	12.839	VV	4468	17464	1.58%	0.033%
212	12.883	12.839	12.903	VV	13113	305817	27.70%	0.570%
213	12.917	12.903	12.933	VV	8225	120221	10.89%	0.224%
214	12.948	12.933	12.980	VV	8225	155791	14.11%	0.291%
215	12.998	12.980	13.015	VV	6487	103291	9.36%	0.193%
216	13.020	13.015	13.039	VV	4489	54667	4.95%	0.102%
217	13.057	13.039	13.073	VV	3681	68472	6.20%	0.128%
218	13.093	13.073	13.111	VV	4011	79574	7.21%	0.148%
219	13.128	13.111	13.148	VV	4122	73473	6.66%	0.137%
220	13.159	13.148	13.172	VV	2481	33948	3.08%	0.063%
221	13.193	13.172	13.204	VV	2987	50893	4.61%	0.095%
222	13.221	13.204	13.230	VV	3216	44857	4.06%	0.084%
223	13.247	13.230	13.275	VV	3153	73347	6.64%	0.137%
224	13.296	13.275	13.346	VV	4808	118426	10.73%	0.221%
225	13.368	13.346	13.382	VV	2777	46301	4.19%	0.086%
226	13.393	13.382	13.420	VV	2496	53434	4.84%	0.100%
227	13.443	13.420	13.549	VV	5878	211147	19.13%	0.394%
228	13.586	13.549	13.611	VV	3094	87638	7.94%	0.163%
229	13.629	13.611	13.680	VV	4148	84841	7.69%	0.158%
230	13.695	13.680	13.710	VV	2078	27214	2.47%	0.051%
231	13.728	13.710	13.750	VV	2768	39689	3.60%	0.074%
232	13.784	13.750	13.817	VV	2548	60864	5.51%	0.114%
233	13.825	13.817	13.832	VV	1148	9056	0.82%	0.017%
234	13.839	13.832	13.859	VV	1209	15801	1.43%	0.029%
235	13.882	13.859	13.919	VV	2041	35158	3.19%	0.066%
236	13.933	13.919	13.945	VV	445	3521	0.32%	0.007%
237	13.964	13.945	13.977	VV	193	1601	0.15%	0.003%
238	14.035	14.000	14.046	BV	597	913	0.08%	0.002%
239	14.064	14.046	14.121	VV	1417	21079	1.91%	0.039%
240	14.163	14.121	14.184	PV	1902	29449	2.67%	0.055%
241	14.205	14.184	14.229	VV	1252	17603	1.59%	0.033%
242	14.247	14.229	14.254	VV	537	6775	0.61%	0.013%
243	14.277	14.254	14.285	VV	722	11134	1.01%	0.021%
244	14.289	14.285	14.321	VV	826	10503	0.95%	0.020%
245	14.383	14.321	14.415	PV	1881	49145	4.45%	0.092%
246	14.439	14.415	14.483	VV	869	23183	2.10%	0.043%

					rteres			
247	14.509	14.483	14.522	VV	1370	18121	1.64%	0.034%
248	14.528	14.522	14.558	VV	879	16396	1.49%	0.031%
249	14.561	14.558	14.573	VV	686	5322	0.48%	0.010%
250	14.592	14.573	14.602	VV	870	12442	1.13%	0.023%
251	14.613	14.602	14.638	VV	830	14842	1.34%	0.028%
252	14.658	14.638	14.685	VV	839	13235	1.20%	0.025%
253	14.705	14.685	14.722	VV	831	12760	1.16%	0.024%
254	14.727	14.722	14.745	VV	684	7550	0.68%	0.014%
255	14.749	14.745	14.757	VV	443	2571	0.23%	0.005%
256	14.774	14.757	14.781	VV	580	6608	0.60%	0.012%
257	14.802	14.781	14.815	VV	929	14460	1.31%	0.027%
258	14.835	14.815	14.857	VV	1648	28790	2.61%	0.054%
259	14.865	14.857	14.881	VV	1079	10993	1.00%	0.021%
260	14.885	14.881	14.890	VV	308	1582	0.14%	0.003%
261	14.895	14.890	14.910	VV	343	2763	0.25%	0.005%
262	14.916	14.910	14.921	VV	137	818	0.07%	0.002%
263	14.929	14.921	14.935	VV	289	1577	0.14%	0.003%
264	14.963	14.935	14.973	VV	922	12667	1.15%	0.024%
265	14.986	14.973	15.012	VV	932	15522	1.41%	0.029%
266	15.045	15.012	15.085	VV	1272	23753	2.15%	0.044%
267	15.091	15.085	15.105	VV	234	1812	0.16%	0.003%
268	15.125	15.105	15.132	VV	241	2417	0.22%	0.005%
269	15.140	15.132	15.143	VV	255	1443	0.13%	0.003%
270	15.153	15.143	15.162	VV	406	3937	0.36%	0.007%
271	15.170	15.162	15.196	VV	534	7657	0.69%	0.014%
272	15.216	15.196	15.235	PV	706	8326	0.75%	0.016%
273	15.243	15.235	15.246	VV	407	1871	0.17%	0.003%
274	15.262	15.246	15.290	VV	558	12375	1.12%	0.023%
275	15.296	15.290	15.309	VV	474	4424	0.40%	0.008%
276	15.327	15.309	15.349	VV	614	11529	1.04%	0.022%
277	15.360	15.349	15.365	VV	484	4210	0.38%	0.008%
278	15.384	15.365	15.439	VV	1198	25471	2.31%	0.048%
279	15.461	15.439	15.466	VV	277	2365	0.21%	0.004%
280	15.486	15.466	15.548	VV	837	19334	1.75%	0.036%
281	15.567	15.548	15.575	VV	324	3852	0.35%	0.007%
282	15.583	15.575	15.614	VV	374	6521	0.59%	0.012%
283	15.628	15.614	15.659	VV	714	12230	1.11%	0.023%
284	15.686	15.659	15.692	VV	608	7725	0.70%	0.014%
285	15.694	15.692	15.715	VV	560	4178	0.38%	0.008%
286	15.726	15.715	15.744	VV	394	3840	0.35%	0.007%
287	15.803	15.744	15.830	VV	981	31924	2.89%	0.060%
288	15.849	15.830	15.868	VV	1496	21721	1.97%	0.041%
289	15.887	15.868	15.930	VV	635	13621	1.23%	0.025%
290	15.963	15.930	15.980	PV	540	9048	0.82%	0.017%
291	15.997	15.980	16.009	VV	557	8096	0.73%	0.015%
292	16.021	16.009	16.053	VV	839	14823	1.34%	0.028%
293	16.082	16.053	16.112	VV	1149	25281	2.29%	0.047%
294	16.120	16.112	16.129	VV	435	3813	0.35%	0.007%
295	16.138	16.129	16.142	VV	430	2828	0.26%	0.005%
296	16.147	16.142	16.154	VV	491	3098	0.28%	0.006%
297	16.163	16.154	16.172	VV	343	2936	0.27%	0.005%
298	16.181	16.172	16.186	VV	428	2720	0.25%	0.005%
299	16.189	16.186	16.204	VV	350	2698	0.24%	0.005%

					rteres			
300	16.223	16.204	16.240	VV	391	7040	0.64%	0.013%
301	16.245	16.240	16.249	VV	434	2086	0.19%	0.004%
302	16.253	16.249	16.258	VV	403	2075	0.19%	0.004%
303	16.278	16.258	16.291	VV	698	10597	0.96%	0.020%
304	16.305	16.291	16.317	VV	772	10371	0.94%	0.019%
305	16.320	16.317	16.349	VV	704	7402	0.67%	0.014%
306	16.359	16.349	16.387	VV	391	5266	0.48%	0.010%
307	16.402	16.387	16.410	PV	218	1889	0.17%	0.004%
308	16.414	16.410	16.419	VV	176	670	0.06%	0.001%
309	16.453	16.419	16.459	VV	792	12209	1.11%	0.023%
310	16.465	16.459	16.475	VV	862	6857	0.62%	0.013%
311	16.489	16.475	16.504	VV	732	9797	0.89%	0.018%
312	16.525	16.504	16.536	VV	556	9085	0.82%	0.017%
313	16.559	16.536	16.567	VV	751	11172	1.01%	0.021%
314	16.594	16.567	16.626	VV	1120	28468	2.58%	0.053%
315	16.655	16.626	16.682	VV	958	18896	1.71%	0.035%
316	16.700	16.682	16.705	VV	328	3465	0.31%	0.006%
317	16.727	16.705	16.742	VV	877	14501	1.31%	0.027%
318	16.752	16.742	16.779	VV	723	11467	1.04%	0.021%
319	16.794	16.779	16.801	VV	331	3321	0.30%	0.006%
320	16.806	16.801	16.809	VV	240	868	0.08%	0.002%
321	16.818	16.809	16.823	VV	330	2086	0.19%	0.004%
322	16.830	16.823	16.843	VV	293	3017	0.27%	0.006%
323	16.869	16.843	16.877	VV	481	6778	0.61%	0.013%
324	16.884	16.877	16.891	VV	352	2394	0.22%	0.004%
325	16.907	16.891	16.912	VV	403	3987	0.36%	0.007%
326	16.922	16.912	16.928	VV	511	4436	0.40%	0.008%
327	16.934	16.928	16.940	VV	484	3021	0.27%	0.006%
328	16.969	16.940	17.006	VV	864	23445	2.12%	0.044%
329	17.026	17.006	17.039	VV	637	10455	0.95%	0.020%
330	17.053	17.039	17.075	VV	617	11618	1.05%	0.022%
331	17.085	17.075	17.092	VV	570	5005	0.45%	0.009%
332	17.098	17.092	17.144	VV	619	11923	1.08%	0.022%
333	17.172	17.144	17.176	PV	267	3168	0.29%	0.006%
334	17.181	17.176	17.190	VV	234	1649	0.15%	0.003%
335	17.222	17.190	17.233	VV	852	13443	1.22%	0.025%
336	17.250	17.233	17.269	VV	711	11558	1.05%	0.022%
337	17.279	17.269	17.296	VV	392	3366	0.30%	0.006%
338	17.303	17.296	17.312	VV	147	782	0.07%	0.001%
339	17.322	17.312	17.331	PV	174	1038	0.09%	0.002%
340	17.338	17.331	17.350	PBA	134	55	0.01%	0.000%

Sum of corrected areas: 53616597

FG102124.M Sat Nov 09 00:22:34 2024

Report of Analysis

Client:	ENTACT	Date Collected:	11/05/24
Project:	North Point	Date Received:	11/05/24
Client Sample ID:	EX-9-TPH-1	SDG No.:	P4721
Lab Sample ID:	P4721-08	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	83.7
Sample Wt/Vol:	30.06	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
FG014702.D	1	11/07/24 08:30	11/08/24 8:31	PB164744

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	2680		220	1990	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	9.89		37 - 130	49%	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_G\Data\FG110724\
Data File : FG014702.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 08:31
Operator : YP\AJ
Sample : P4721-08
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-9-TPH-1

Integration File: autoint1.e
Quant Time: Nov 09 00:04:28 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Quant Title :
QLast Update : Mon Oct 21 17:03:32 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...	15.049	1182674	9.888 ug/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

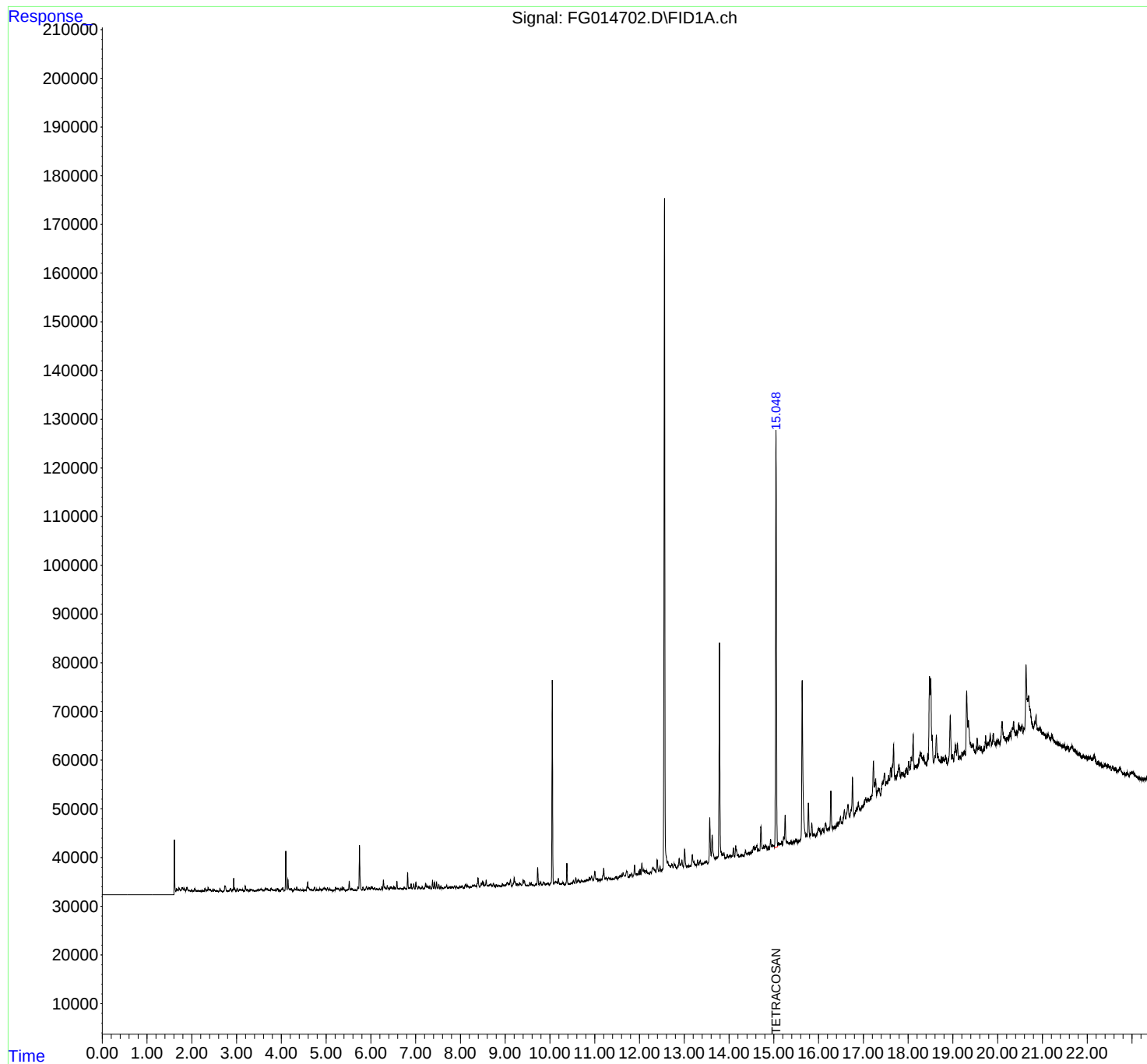
(m)=manual int.

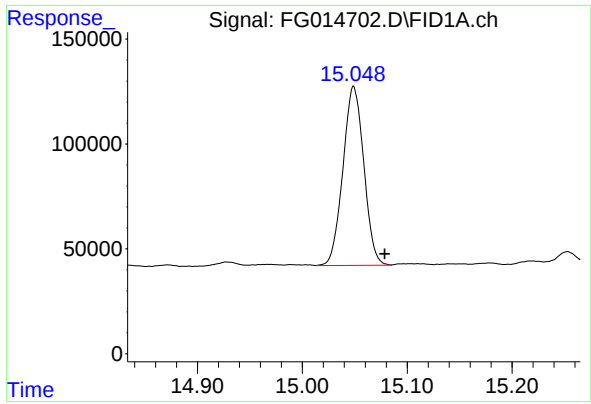
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110724\
Data File : FG014702.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 08:31
Operator : YP\AJ
Sample : P4721-08
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-9-TPH-1

Integration File: autoint1.e
Quant Time: Nov 09 00:04:28 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Quant Title :
QLast Update : Mon Oct 21 17:03:32 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.: 15.049 min
Delta R.T.: -0.030 min
Response: 1182674
Conc: 9.89 ug/ml

Instrument :
FID_G
ClientSampleId :
EX-9-TPH-1

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110724\
Data File : FG014702.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 08:31
Sample : P4721-08
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.243	3.218	3.276	BV	118	1260	0.07%	0.013%
2	3.319	3.276	3.327	PV	274	4079	0.23%	0.041%
3	3.336	3.327	3.354	VV	277	3454	0.19%	0.034%
4	3.363	3.354	3.387	VV	196	2189	0.12%	0.022%
5	3.391	3.387	3.398	VV	69	285	0.02%	0.003%
6	3.401	3.398	3.415	VV	78	391	0.02%	0.004%
7	3.440	3.415	3.450	PV	126	1478	0.08%	0.015%
8	3.464	3.450	3.482	VV	295	3659	0.20%	0.037%
9	3.497	3.482	3.519	VV	326	5317	0.29%	0.053%
10	3.536	3.519	3.547	VV	356	4775	0.26%	0.048%
11	3.560	3.547	3.582	VV	367	5662	0.31%	0.057%
12	3.584	3.582	3.598	VV	172	1265	0.07%	0.013%
13	3.603	3.598	3.618	VV	161	1481	0.08%	0.015%
14	3.637	3.618	3.653	VV	542	7544	0.42%	0.075%
15	3.657	3.653	3.662	VV	426	1963	0.11%	0.020%
16	3.682	3.662	3.704	VV	571	10098	0.56%	0.101%
17	3.717	3.704	3.728	VV	272	3262	0.18%	0.033%
18	3.736	3.728	3.749	VV	211	2123	0.12%	0.021%
19	3.771	3.749	3.794	VV	645	10803	0.60%	0.108%
20	3.805	3.794	3.826	VV	410	4958	0.27%	0.049%
21	3.834	3.826	3.840	VV	202	1436	0.08%	0.014%
22	3.847	3.840	3.882	VV	231	4034	0.22%	0.040%
23	3.905	3.882	3.919	VV	586	7669	0.43%	0.077%
24	3.929	3.919	3.946	VV	416	4226	0.23%	0.042%
25	3.960	3.946	3.980	VV	272	2745	0.15%	0.027%
26	4.005	3.980	4.017	PV	437	5522	0.31%	0.055%
27	4.031	4.017	4.066	VV	765	11393	0.63%	0.114%
28	4.099	4.066	4.129	VV	8245	86852	4.82%	0.867%
29	4.148	4.129	4.204	VV	2369	35574	1.97%	0.355%
30	4.221	4.204	4.239	VV	554	8384	0.46%	0.084%
31	4.243	4.239	4.263	VV	173	1683	0.09%	0.017%
32	4.273	4.263	4.278	VV	183	1411	0.08%	0.014%
33	4.296	4.278	4.310	VV	590	7079	0.39%	0.071%
34	4.315	4.310	4.325	VV	350	2632	0.15%	0.026%
35	4.345	4.325	4.374	VV	838	12560	0.70%	0.125%
36	4.381	4.374	4.405	VV	324	4672	0.26%	0.047%

					rteres			
37	4.420	4.405	4.442	VV	377	5372	0.30%	0.054%
38	4.469	4.442	4.485	VV	227	4440	0.25%	0.044%
39	4.486	4.485	4.497	VV	180	794	0.04%	0.008%
40	4.516	4.497	4.553	VV	257	5146	0.29%	0.051%
41	4.589	4.553	4.606	VV	1831	26879	1.49%	0.268%
42	4.610	4.606	4.630	VV	663	7014	0.39%	0.070%
43	4.636	4.630	4.659	VV	324	4674	0.26%	0.047%
44	4.672	4.659	4.689	VV	421	5083	0.28%	0.051%
45	4.692	4.689	4.713	VV	186	2040	0.11%	0.020%
46	4.744	4.713	4.772	VV	833	13233	0.73%	0.132%
47	4.789	4.772	4.814	VV	278	5078	0.28%	0.051%
48	4.824	4.814	4.843	VV	272	2693	0.15%	0.027%
49	4.859	4.843	4.873	VV	540	5793	0.32%	0.058%
50	4.882	4.873	4.905	VV	413	5680	0.31%	0.057%
51	4.921	4.905	4.926	VV	259	2693	0.15%	0.027%
52	4.943	4.926	4.953	VV	595	7000	0.39%	0.070%
53	4.957	4.953	4.968	VV	505	4165	0.23%	0.042%
54	4.986	4.968	5.008	VV	533	9202	0.51%	0.092%
55	5.033	5.008	5.064	VV	587	11657	0.65%	0.116%
56	5.084	5.064	5.105	VV	496	7254	0.40%	0.072%
57	5.129	5.105	5.139	VV	188	2878	0.16%	0.029%
58	5.142	5.139	5.147	VV	167	528	0.03%	0.005%
59	5.156	5.147	5.168	VV	215	2027	0.11%	0.020%
60	5.187	5.168	5.198	VV	245	2960	0.16%	0.030%
61	5.214	5.198	5.246	VV	751	12527	0.69%	0.125%
62	5.263	5.246	5.272	VV	530	6789	0.38%	0.068%
63	5.276	5.272	5.310	VV	503	6414	0.36%	0.064%
64	5.331	5.310	5.343	VV	442	5370	0.30%	0.054%
65	5.359	5.343	5.377	VV	821	9305	0.52%	0.093%
66	5.394	5.377	5.437	VV	684	9517	0.53%	0.095%
67	5.453	5.437	5.472	PV	150	1824	0.10%	0.018%
68	5.490	5.472	5.499	VV	277	3575	0.20%	0.036%
69	5.516	5.499	5.545	VV	1925	22064	1.22%	0.220%
70	5.557	5.545	5.572	VV	329	4259	0.24%	0.043%
71	5.588	5.572	5.610	VV	451	5497	0.30%	0.055%
72	5.626	5.610	5.636	VV	150	1878	0.10%	0.019%
73	5.653	5.636	5.673	VV	169	1840	0.10%	0.018%
74	5.678	5.673	5.692	VV	38	211	0.01%	0.002%
75	5.710	5.692	5.728	VV	667	9830	0.55%	0.098%
76	5.746	5.728	5.804	VV	9302	106674	5.92%	1.065%
77	5.822	5.804	5.854	VV	710	9526	0.53%	0.095%
78	5.857	5.854	5.862	VV	92	366	0.02%	0.004%
79	5.899	5.862	5.928	VV	777	15038	0.83%	0.150%
80	5.954	5.928	5.965	VV	676	9122	0.51%	0.091%
81	5.976	5.965	5.990	VV	501	5375	0.30%	0.054%
82	6.025	5.990	6.049	VV	713	17423	0.97%	0.174%
83	6.061	6.049	6.068	VV	290	3056	0.17%	0.031%
84	6.087	6.068	6.113	VV	504	8170	0.45%	0.082%
85	6.123	6.113	6.138	VV	294	3319	0.18%	0.033%
86	6.149	6.138	6.170	VV	244	3214	0.18%	0.032%
87	6.192	6.170	6.215	VV	427	5454	0.30%	0.054%
88	6.246	6.215	6.263	VV	740	9195	0.51%	0.092%
89	6.280	6.263	6.336	VV	2065	34202	1.90%	0.341%

					rteres			
90	6.340	6.336	6.353	VV	342	2754	0.15%	0.027%
91	6.367	6.353	6.412	VV	921	15882	0.88%	0.159%
92	6.433	6.412	6.445	VV	662	8512	0.47%	0.085%
93	6.459	6.445	6.480	VV	648	9454	0.52%	0.094%
94	6.485	6.480	6.498	VV	344	2910	0.16%	0.029%
95	6.515	6.498	6.531	VV	637	8086	0.45%	0.081%
96	6.541	6.531	6.561	VV	387	5434	0.30%	0.054%
97	6.581	6.561	6.609	VV	1756	21886	1.21%	0.218%
98	6.618	6.609	6.625	VV	266	2170	0.12%	0.022%
99	6.632	6.625	6.637	VV	214	1382	0.08%	0.014%
100	6.655	6.637	6.660	VV	356	3927	0.22%	0.039%
101	6.665	6.660	6.683	VV	341	3629	0.20%	0.036%
102	6.689	6.683	6.698	VV	206	1711	0.09%	0.017%
103	6.705	6.698	6.718	VV	194	1728	0.10%	0.017%
104	6.744	6.718	6.798	VV	552	11653	0.65%	0.116%
105	6.821	6.798	6.863	VV	3478	39315	2.18%	0.392%
106	6.870	6.863	6.883	VV	324	3497	0.19%	0.035%
107	6.898	6.883	6.923	VV	1186	13869	0.77%	0.138%
108	6.957	6.923	6.982	VV	1150	19113	1.06%	0.191%
109	7.005	6.982	7.020	VV	1468	16434	0.91%	0.164%
110	7.027	7.020	7.048	VV	695	7500	0.42%	0.075%
111	7.067	7.048	7.102	VV	602	11374	0.63%	0.114%
112	7.112	7.102	7.124	VV	229	2544	0.14%	0.025%
113	7.147	7.124	7.175	VV	579	9648	0.54%	0.096%
114	7.180	7.175	7.188	VV	165	1009	0.06%	0.010%
115	7.220	7.188	7.237	VV	1235	17097	0.95%	0.171%
116	7.251	7.237	7.262	VV	685	7954	0.44%	0.079%
117	7.280	7.262	7.299	VV	610	9717	0.54%	0.097%
118	7.317	7.299	7.346	VV	661	9476	0.53%	0.095%
119	7.377	7.346	7.405	PV	1746	22364	1.24%	0.223%
120	7.421	7.405	7.447	VV	1389	16913	0.94%	0.169%
121	7.467	7.447	7.501	VV	1401	17741	0.98%	0.177%
122	7.517	7.501	7.542	VV	924	11550	0.64%	0.115%
123	7.563	7.542	7.584	VV	617	7694	0.43%	0.077%
124	7.589	7.584	7.610	VV	210	2362	0.13%	0.024%
125	7.614	7.610	7.623	VV	85	514	0.03%	0.005%
126	7.650	7.623	7.655	VV	292	3456	0.19%	0.034%
127	7.670	7.655	7.678	VV	367	4233	0.23%	0.042%
128	7.692	7.678	7.722	VV	765	10140	0.56%	0.101%
129	7.760	7.722	7.773	VV	310	6471	0.36%	0.065%
130	7.783	7.773	7.795	VV	273	2839	0.16%	0.028%
131	7.812	7.795	7.819	VV	362	3756	0.21%	0.037%
132	7.829	7.819	7.848	VV	390	4184	0.23%	0.042%
133	7.869	7.848	7.893	VV	607	9181	0.51%	0.092%
134	7.913	7.893	7.946	VV	502	6364	0.35%	0.064%
135	7.950	7.946	7.957	VV	45	286	0.02%	0.003%
136	7.962	7.957	7.970	VV	93	483	0.03%	0.005%
137	7.982	7.970	7.998	VV	485	4968	0.28%	0.050%
138	8.009	7.998	8.019	VV	227	2332	0.13%	0.023%
139	8.037	8.019	8.058	VV	527	7221	0.40%	0.072%
140	8.062	8.058	8.083	VV	179	1497	0.08%	0.015%
141	8.118	8.083	8.138	PV	839	15453	0.86%	0.154%

					rteres			
142	8.154	8.138	8.170	VV	633	8079	0.45%	0.081%
143	8.180	8.170	8.206	VV	382	4410	0.24%	0.044%
144	8.223	8.206	8.238	PV	374	3852	0.21%	0.038%
145	8.274	8.238	8.292	VV	618	10915	0.61%	0.109%
146	8.310	8.292	8.318	VV	526	6626	0.37%	0.066%
147	8.326	8.318	8.343	VV	487	5565	0.31%	0.056%
148	8.349	8.343	8.360	VV	324	2854	0.16%	0.028%
149	8.393	8.360	8.436	VV	2052	38273	2.12%	0.382%
150	8.467	8.436	8.479	VV	957	14421	0.80%	0.144%
151	8.496	8.479	8.512	VV	1404	18890	1.05%	0.189%
152	8.523	8.512	8.542	VV	978	11642	0.65%	0.116%
153	8.575	8.542	8.600	VV	1547	26017	1.44%	0.260%
154	8.613	8.600	8.618	VV	369	3609	0.20%	0.036%
155	8.627	8.618	8.636	VV	385	3878	0.22%	0.039%
156	8.663	8.636	8.668	VV	627	9420	0.52%	0.094%
157	8.675	8.668	8.716	VV	727	13187	0.73%	0.132%
158	8.738	8.716	8.760	VV	857	13554	0.75%	0.135%
159	8.770	8.760	8.785	VV	415	4213	0.23%	0.042%
160	8.805	8.785	8.832	VV	473	8065	0.45%	0.081%
161	8.845	8.832	8.860	VV	322	4257	0.24%	0.042%
162	8.872	8.860	8.884	VV	318	3648	0.20%	0.036%
163	8.905	8.884	8.923	VV	254	3550	0.20%	0.035%
164	8.939	8.923	8.963	VV	704	10520	0.58%	0.105%
165	8.967	8.963	8.987	VV	352	4151	0.23%	0.041%
166	9.009	8.987	9.018	VV	388	5646	0.31%	0.056%
167	9.048	9.018	9.066	VV	958	19507	1.08%	0.195%
168	9.079	9.066	9.090	VV	586	7381	0.41%	0.074%
169	9.118	9.090	9.143	VV	1427	25399	1.41%	0.254%
170	9.147	9.143	9.156	VV	148	1042	0.06%	0.010%
171	9.180	9.156	9.185	VV	704	7069	0.39%	0.071%
172	9.201	9.185	9.245	VV	1854	35692	1.98%	0.356%
173	9.263	9.245	9.287	VV	602	12209	0.68%	0.122%
174	9.296	9.287	9.302	VV	420	3509	0.19%	0.035%
175	9.322	9.302	9.338	VV	763	12009	0.67%	0.120%
176	9.347	9.338	9.363	VV	549	6245	0.35%	0.062%
177	9.403	9.363	9.419	VV	1299	23819	1.32%	0.238%
178	9.432	9.419	9.479	VV	1145	16635	0.92%	0.166%
179	9.491	9.479	9.519	VV	227	2923	0.16%	0.029%
180	9.550	9.519	9.570	VV	794	10746	0.60%	0.107%
181	9.582	9.570	9.601	VV	658	7156	0.40%	0.071%
182	9.624	9.601	9.648	VV	313	5306	0.29%	0.053%
183	9.669	9.648	9.675	VV	245	2377	0.13%	0.024%
184	9.690	9.675	9.703	VV	549	6491	0.36%	0.065%
185	9.726	9.703	9.759	VV	3800	47684	2.64%	0.476%
186	9.783	9.759	9.821	VV	751	17216	0.95%	0.172%
187	9.825	9.821	9.830	VV	197	909	0.05%	0.009%
188	9.853	9.830	9.901	VV	772	18981	1.05%	0.189%
189	9.925	9.901	9.938	VV	441	7498	0.42%	0.075%
190	9.951	9.938	9.971	VV	597	8826	0.49%	0.088%
191	9.975	9.971	9.990	VV	393	3123	0.17%	0.031%
192	10.052	9.990	10.082	VV	42135	448220	24.86%	4.474%
193	10.123	10.082	10.135	VV	874	18595	1.03%	0.186%
194	10.155	10.135	10.170	VV	704	12300	0.68%	0.123%

					rteres			
195	10.188	10.170	10.218	VV	1424	20629	1.14%	0.206%
196	10.222	10.218	10.244	VV	310	3567	0.20%	0.036%
197	10.290	10.244	10.337	VV	570	14484	0.80%	0.145%
198	10.378	10.337	10.409	PV	4451	49918	2.77%	0.498%
199	10.418	10.409	10.443	VV	187	2619	0.15%	0.026%
200	10.458	10.443	10.462	VV	182	1204	0.07%	0.012%
201	10.486	10.462	10.502	VV	321	4904	0.27%	0.049%
202	10.525	10.502	10.552	VV	778	12986	0.72%	0.130%
203	10.578	10.552	10.600	VV	1213	19254	1.07%	0.192%
204	10.629	10.600	10.644	VV	850	14979	0.83%	0.150%
205	10.654	10.644	10.680	VV	587	8802	0.49%	0.088%
206	10.700	10.680	10.716	VV	602	9057	0.50%	0.090%
207	10.733	10.716	10.757	VV	460	9065	0.50%	0.090%
208	10.772	10.757	10.789	VV	431	6854	0.38%	0.068%
209	10.826	10.789	10.845	VV	634	16677	0.92%	0.166%
210	10.857	10.845	10.863	VV	566	5520	0.31%	0.055%
211	10.880	10.863	10.898	VV	1079	15579	0.86%	0.156%
212	10.928	10.898	10.963	VV	1308	30100	1.67%	0.300%
213	11.002	10.963	11.038	VV	2177	45499	2.52%	0.454%
214	11.055	11.038	11.095	VV	579	13655	0.76%	0.136%
215	11.100	11.095	11.125	VV	440	3833	0.21%	0.038%
216	11.149	11.125	11.160	VV	401	6408	0.36%	0.064%
217	11.200	11.160	11.232	VV	2586	48407	2.68%	0.483%
218	11.253	11.232	11.286	VV	689	14273	0.79%	0.142%
219	11.303	11.286	11.308	VV	491	4752	0.26%	0.047%
220	11.313	11.308	11.346	VV	580	8819	0.49%	0.088%
221	11.359	11.346	11.378	VV	337	4655	0.26%	0.046%
222	11.383	11.378	11.394	VV	189	1646	0.09%	0.016%
223	11.407	11.394	11.431	VV	317	4139	0.23%	0.041%
224	11.465	11.431	11.476	VV	588	8913	0.49%	0.089%
225	11.489	11.476	11.512	VV	612	7914	0.44%	0.079%
226	11.541	11.512	11.546	PV	418	5458	0.30%	0.054%
227	11.572	11.546	11.585	VV	797	13592	0.75%	0.136%
228	11.604	11.585	11.617	VV	667	9838	0.55%	0.098%
229	11.634	11.617	11.663	VV	1155	21492	1.19%	0.215%
230	11.672	11.663	11.680	VV	522	4876	0.27%	0.049%
231	11.715	11.680	11.758	VV	1442	36216	2.01%	0.362%
232	11.790	11.758	11.805	VV	574	8527	0.47%	0.085%
233	11.827	11.805	11.850	VV	814	12168	0.67%	0.121%
234	11.889	11.850	11.915	VV	2392	34959	1.94%	0.349%
235	11.938	11.915	11.965	VV	483	12196	0.68%	0.122%
236	11.984	11.965	11.997	VV	1029	11529	0.64%	0.115%
237	12.014	11.997	12.031	VV	1343	15618	0.87%	0.156%
238	12.053	12.031	12.083	VV	2447	39931	2.21%	0.399%
239	12.093	12.083	12.109	VV	1021	13241	0.73%	0.132%
240	12.127	12.109	12.147	VV	951	16955	0.94%	0.169%
241	12.163	12.147	12.184	VV	727	10787	0.60%	0.108%
242	12.185	12.184	12.190	VV	236	761	0.04%	0.008%
243	12.194	12.190	12.224	VV	208	2399	0.13%	0.024%
244	12.244	12.224	12.259	PV	363	5158	0.29%	0.051%
245	12.305	12.259	12.363	VV	1308	44935	2.49%	0.449%
246	12.395	12.363	12.433	VV	2656	45739	2.54%	0.457%

					rteres			
247	12.459	12.433	12.478	VV	1237	17558	0.97%	0.175%
248	12.487	12.478	12.496	VV	406	3271	0.18%	0.033%
249	12.516	12.496	12.521	VV	657	6206	0.34%	0.062%
250	12.559	12.521	12.620	VV	138030	1803253	100.00%	18.000%
251	12.634	12.620	12.651	VV	1970	31513	1.75%	0.315%
252	12.656	12.651	12.677	VV	1172	16094	0.89%	0.161%
253	12.680	12.677	12.699	VV	1004	10885	0.60%	0.109%
254	12.726	12.699	12.753	VV	1201	28772	1.60%	0.287%
255	12.774	12.753	12.824	VV	1280	34238	1.90%	0.342%
256	12.829	12.824	12.838	VV	394	2603	0.14%	0.026%
257	12.860	12.838	12.864	VV	742	8576	0.48%	0.086%
258	12.886	12.864	12.906	VV	2145	32992	1.83%	0.329%
259	12.923	12.906	12.930	VV	941	11819	0.66%	0.118%
260	12.947	12.930	12.980	VV	1790	29295	1.62%	0.292%
261	13.009	12.980	13.053	VV	3857	66008	3.66%	0.659%
262	13.074	13.053	13.090	VV	361	5523	0.31%	0.055%
263	13.100	13.090	13.104	VV	285	1575	0.09%	0.016%
264	13.110	13.104	13.118	VV	264	1713	0.09%	0.017%
265	13.126	13.118	13.145	VV	321	3655	0.20%	0.036%
266	13.180	13.145	13.206	VV	2468	41996	2.33%	0.419%
267	13.217	13.206	13.236	VV	1043	13701	0.76%	0.137%
268	13.243	13.236	13.258	VV	480	4687	0.26%	0.047%
269	13.265	13.258	13.270	VV	299	1567	0.09%	0.016%
270	13.297	13.270	13.317	VV	1215	15071	0.84%	0.150%
271	13.322	13.317	13.327	VV	236	1117	0.06%	0.011%
272	13.360	13.327	13.385	VV	904	19497	1.08%	0.195%
273	13.391	13.385	13.397	VV	200	1241	0.07%	0.012%
274	13.408	13.397	13.414	VV	270	2045	0.11%	0.020%
275	13.420	13.414	13.433	VV	273	2361	0.13%	0.024%
276	13.456	13.433	13.460	VV	431	5691	0.32%	0.057%
277	13.470	13.460	13.478	VV	490	4313	0.24%	0.043%
278	13.503	13.478	13.522	VV	699	11475	0.64%	0.115%
279	13.570	13.522	13.601	PV	9460	141129	7.83%	1.409%
280	13.623	13.601	13.683	VV	5765	126554	7.02%	1.263%
281	13.701	13.683	13.714	VV	1081	16160	0.90%	0.161%
282	13.721	13.714	13.725	VV	862	5328	0.30%	0.053%
283	13.733	13.725	13.742	VV	1111	9039	0.50%	0.090%
284	13.786	13.742	13.871	VV	44914	618281	34.29%	6.172%
285	13.886	13.871	13.915	VV	1609	27930	1.55%	0.279%
286	13.928	13.915	13.937	VV	565	6032	0.33%	0.060%
287	13.963	13.937	13.982	VV	1160	19912	1.10%	0.199%
288	14.002	13.982	14.010	VV	691	9849	0.55%	0.098%
289	14.014	14.010	14.018	VV	681	2867	0.16%	0.029%
290	14.034	14.018	14.055	VV	738	13495	0.75%	0.135%
291	14.098	14.055	14.128	VV	2157	40974	2.27%	0.409%
292	14.148	14.128	14.162	VV	2521	33487	1.86%	0.334%
293	14.167	14.162	14.188	VV	1628	16614	0.92%	0.166%
294	14.195	14.188	14.198	VV	521	2898	0.16%	0.029%
295	14.208	14.198	14.218	VV	603	5151	0.29%	0.051%
296	14.225	14.218	14.233	VV	231	1139	0.06%	0.011%
297	14.244	14.233	14.255	VV	253	2289	0.13%	0.023%
298	14.268	14.255	14.298	VV	523	8901	0.49%	0.089%
299	14.305	14.298	14.327	VV	363	3330	0.18%	0.033%

					rteres			
300	14.333	14.327	14.338	VV	118	450	0.02%	0.004%
301	14.367	14.338	14.384	PV	1129	17174	0.95%	0.171%
302	14.390	14.384	14.400	VV	463	3437	0.19%	0.034%
303	14.428	14.400	14.453	VV	542	9726	0.54%	0.097%
304	14.465	14.453	14.469	VV	387	3066	0.17%	0.031%
305	14.475	14.469	14.488	VV	503	4366	0.24%	0.044%
306	14.511	14.488	14.523	VV	858	10493	0.58%	0.105%
307	14.545	14.523	14.577	VV	1526	34986	1.94%	0.349%
308	14.621	14.577	14.641	VV	1643	41270	2.29%	0.412%
309	14.659	14.641	14.686	VV	820	13070	0.72%	0.130%
310	14.711	14.686	14.747	VV	5205	83152	4.61%	0.830%
311	14.753	14.747	14.758	VV	750	4311	0.24%	0.043%
312	14.770	14.758	14.791	VV	1196	16609	0.92%	0.166%
313	14.808	14.791	14.820	VV	1329	16870	0.94%	0.168%
314	14.831	14.820	14.857	VV	916	13443	0.75%	0.134%
315	14.872	14.857	14.887	VV	920	9751	0.54%	0.097%
316	14.928	14.887	14.949	VV	2160	33674	1.87%	0.336%
317	14.967	14.949	14.983	VV	948	15528	0.86%	0.155%
318	14.989	14.983	15.013	VV	761	11098	0.62%	0.111%
319	15.049	15.013	15.085	VV	85742	1192971	66.16%	11.908%
320	15.102	15.085	15.126	VV	956	19184	1.06%	0.191%
321	15.140	15.126	15.147	VV	794	8580	0.48%	0.086%
322	15.152	15.147	15.160	VV	753	5509	0.31%	0.055%
323	15.179	15.160	15.192	VV	1139	16197	0.90%	0.162%
324	15.218	15.192	15.231	VV	1987	29748	1.65%	0.297%
325	15.253	15.231	15.289	VV	6379	97818	5.42%	0.976%
326	15.292	15.289	15.298	VV	770	3669	0.20%	0.037%
327	15.304	15.298	15.328	VV	756	10145	0.56%	0.101%
328	15.342	15.328	15.361	VV	556	7667	0.43%	0.077%
329	15.383	15.361	15.405	VV	875	11989	0.66%	0.120%
330	15.412	15.405	15.429	VV	326	2998	0.17%	0.030%
331	15.451	15.429	15.464	VV	566	7865	0.44%	0.079%
332	15.487	15.464	15.499	VV	770	11911	0.66%	0.119%
333	15.504	15.499	15.517	VV	672	5448	0.30%	0.054%
334	15.520	15.517	15.544	VV	439	4715	0.26%	0.047%
335	15.552	15.544	15.557	PV	420	1930	0.11%	0.019%
336	15.562	15.557	15.570	VV	473	2803	0.16%	0.028%
337	15.634	15.570	15.715	VV	33121	620118	34.39%	6.190%
338	15.729	15.715	15.744	VV	1224	17239	0.96%	0.172%
339	15.773	15.744	15.802	VV	7533	116471	6.46%	1.163%
340	15.812	15.802	15.819	VV	985	8433	0.47%	0.084%
341	15.847	15.819	15.879	VV	3209	54102	3.00%	0.540%
342	15.893	15.879	15.937	VV	768	15396	0.85%	0.154%
343	15.956	15.937	15.962	PV	460	4358	0.24%	0.044%
344	15.992	15.962	16.008	VV	1607	29530	1.64%	0.295%
345	16.012	16.008	16.018	VV	1277	7529	0.42%	0.075%
346	16.024	16.018	16.051	VV	1283	15479	0.86%	0.155%
347	16.058	16.051	16.065	VV	408	2714	0.15%	0.027%
348	16.099	16.065	16.120	VV	1188	24784	1.37%	0.247%
349	16.155	16.120	16.160	VV	2003	26824	1.49%	0.268%
350	16.164	16.160	16.195	VV	1839	21674	1.20%	0.216%
351	16.219	16.195	16.227	VV	681	9398	0.52%	0.094%

					rt	eres		
352	16.238	16.227	16.246	VV	692	6340	0.35%	0.063%
353	16.275	16.246	16.298	VV	8164	111736	6.20%	1.115%
354	16.311	16.298	16.320	VV	665	6583	0.37%	0.066%
355	16.341	16.320	16.352	VV	456	6526	0.36%	0.065%
356	16.367	16.352	16.373	VV	645	5138	0.28%	0.051%
357	16.382	16.373	16.391	VV	628	3596	0.20%	0.036%
358	16.412	16.391	16.417	PV	877	7777	0.43%	0.078%
359	16.422	16.417	16.432	VV	885	5508	0.31%	0.055%
360	16.454	16.432	16.464	VV	951	12719	0.71%	0.127%
361	16.490	16.464	16.507	VV	1717	29174	1.62%	0.291%
362	16.520	16.507	16.530	VV	544	5592	0.31%	0.056%
363	16.578	16.530	16.599	VV	2748	55590	3.08%	0.555%
364	16.604	16.599	16.610	VV	876	4980	0.28%	0.050%
365	16.657	16.610	16.692	VV	3084	89586	4.97%	0.894%
366	16.699	16.692	16.702	VV	735	3557	0.20%	0.036%
367	16.758	16.702	16.791	VV	8083	143254	7.94%	1.430%
368	16.797	16.791	16.802	VV	390	1145	0.06%	0.011%
369	16.843	16.802	16.852	VV	1303	20548	1.14%	0.205%
370	16.860	16.852	16.866	VV	1014	7353	0.41%	0.073%
371	16.887	16.866	16.923	VV	2256	43224	2.40%	0.431%
372	16.928	16.923	16.937	VV	680	4618	0.26%	0.046%
373	16.942	16.937	16.947	VV	432	1897	0.11%	0.019%
374	16.972	16.947	16.977	PV	960	12017	0.67%	0.120%
375	16.983	16.977	16.987	VV	762	3755	0.21%	0.037%
376	16.995	16.987	17.003	VV	713	6127	0.34%	0.061%
377	17.015	17.003	17.028	VV	1263	12380	0.69%	0.124%
378	17.054	17.028	17.079	VV	1813	39087	2.17%	0.390%
379	17.108	17.079	17.117	VV	1210	19867	1.10%	0.198%
380	17.121	17.117	17.128	VV	876	4264	0.24%	0.043%
381	17.151	17.128	17.156	VV	703	8556	0.47%	0.085%
382	17.163	17.156	17.174	VV	1058	8143	0.45%	0.081%
383	17.184	17.174	17.194	VV	1101	10505	0.58%	0.105%
384	17.226	17.194	17.246	VV	7694	126018	6.99%	1.258%
385	17.261	17.246	17.265	VV	2928	27722	1.54%	0.277%
386	17.276	17.265	17.297	VV	3571	42652	2.37%	0.426%
387	17.308	17.297	17.313	PV	477	2735	0.15%	0.027%
388	17.330	17.313	17.338	VV	845	7130	0.40%	0.071%
389	17.344	17.338	17.350	VBA	456	6953	0.39%	0.069%
					Sum of corrected areas:	10018182		

FG102124.M Sat Nov 09 00:19:28 2024

Report of Analysis

Client:	ENTACT	Date Collected:	11/05/24
Project:	North Point	Date Received:	11/05/24
Client Sample ID:	EX-9-TPH-2	SDG No.:	P4721
Lab Sample ID:	P4721-09	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	85.5
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
FG014683.D	1	11/07/24 08:30	11/07/24 20:39	PB164744

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	4790		216	1950	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	14.5		37 - 130	72%	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_G\Data\FG110724\
Data File : FG014683.D
Signal(s) : FID1A.ch
Acq On : 07 Nov 2024 20:39
Operator : YP\AJ
Sample : P4721-09
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-9-TPH-2

Integration File: autoint1.e
Quant Time: Nov 08 05:27:16 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Quant Title :
QLast Update : Mon Oct 21 17:03:32 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...	15.050	1729619	14.461 ug/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

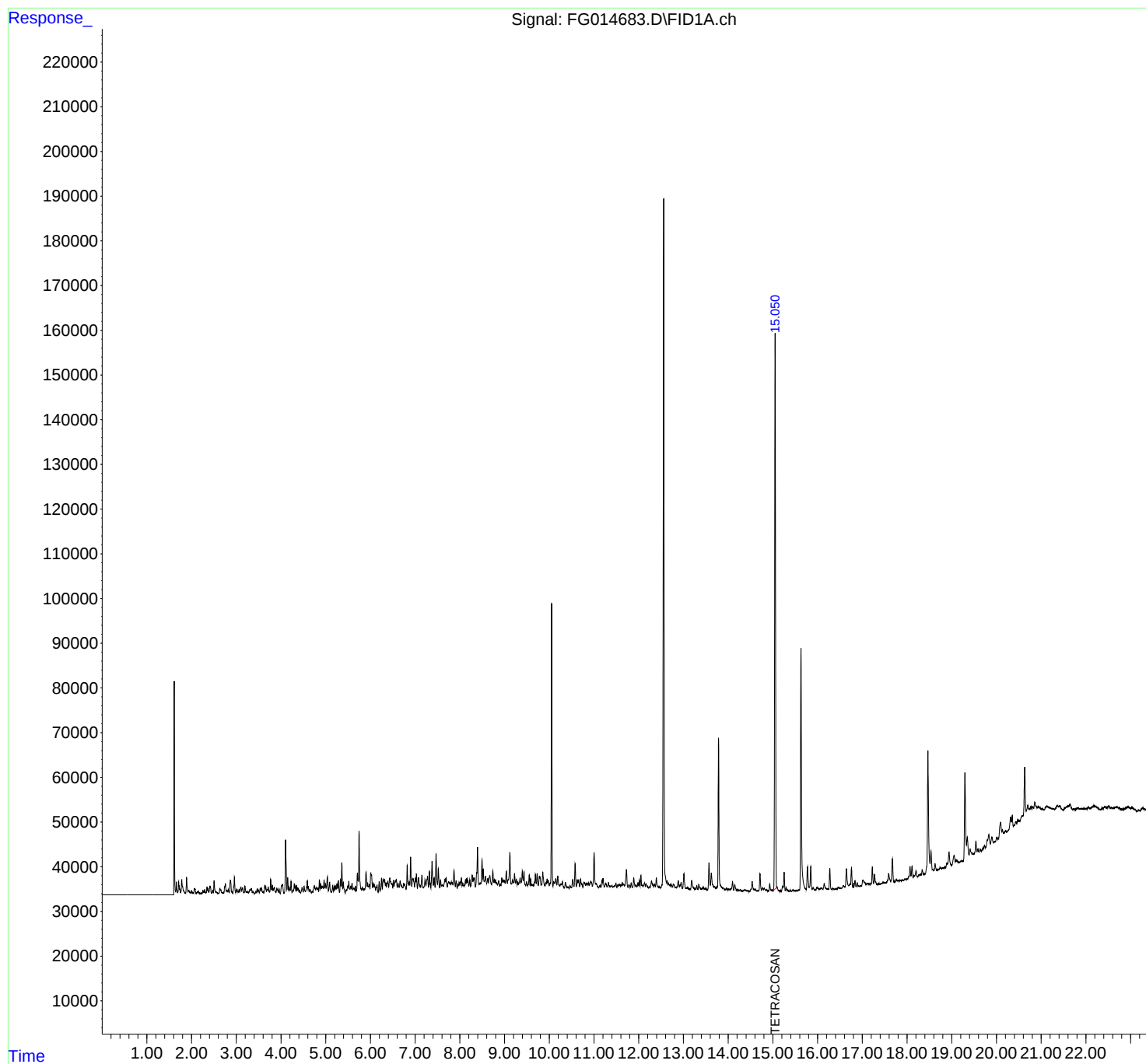
(m)=manual int.

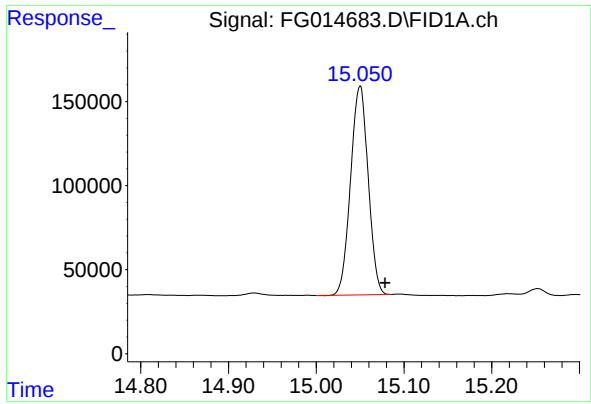
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110724\
Data File : FG014683.D
Signal(s) : FID1A.ch
Acq On : 07 Nov 2024 20:39
Operator : YP\AJ
Sample : P4721-09
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-9-TPH-2

Integration File: autoint1.e
Quant Time: Nov 08 05:27:16 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Quant Title :
QLast Update : Mon Oct 21 17:03:32 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.: 15.050 min
Delta R.T.: -0.029 min
Response: 1729619
Conc: 14.46 ug/ml

Instrument :
FID_G
ClientSampleId :
EX-9-TPH-2

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110724\
Data File : FG014683.D
Signal(s) : FID1A.ch
Acq On : 07 Nov 2024 20:39
Sample : P4721-09
Misc :
ALS Vial : 71 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.516	4.497	4.542	VV	1633	24639	1.22%	0.138%
2	4.588	4.542	4.603	VV	2864	50311	2.50%	0.282%
3	4.613	4.603	4.630	VV	1579	17361	0.86%	0.097%
4	4.650	4.630	4.676	VV	986	16789	0.83%	0.094%
5	4.678	4.676	4.687	VV	371	2268	0.11%	0.013%
6	4.702	4.687	4.713	VV	435	5170	0.26%	0.029%
7	4.746	4.713	4.775	VV	1778	42939	2.13%	0.240%
8	4.788	4.775	4.813	VV	1310	24415	1.21%	0.137%
9	4.828	4.813	4.843	VV	1275	16953	0.84%	0.095%
10	4.860	4.843	4.873	VV	3112	32842	1.63%	0.184%
11	4.885	4.873	4.905	VV	2125	29934	1.49%	0.168%
12	4.920	4.905	4.932	VV	1683	23069	1.15%	0.129%
13	4.940	4.932	4.950	VV	1492	14579	0.72%	0.082%
14	4.964	4.950	4.980	VV	2968	35863	1.78%	0.201%
15	4.994	4.980	5.009	VV	2201	29696	1.47%	0.166%
16	5.037	5.009	5.061	VV	3675	63237	3.14%	0.354%
17	5.088	5.061	5.126	VV	2570	42914	2.13%	0.240%
18	5.156	5.126	5.175	VV	1834	25487	1.27%	0.143%
19	5.190	5.175	5.203	VV	1600	18659	0.93%	0.104%
20	5.217	5.203	5.232	VV	1736	22680	1.13%	0.127%
21	5.251	5.232	5.265	VV	2113	28882	1.43%	0.162%
22	5.282	5.265	5.310	VV	2814	40316	2.00%	0.226%
23	5.332	5.310	5.345	VV	3064	37539	1.86%	0.210%
24	5.361	5.345	5.380	VV	6894	76448	3.79%	0.428%
25	5.396	5.380	5.435	VV	2527	39227	1.95%	0.220%
26	5.462	5.435	5.473	VV	788	12824	0.64%	0.072%
27	5.493	5.473	5.504	VV	1667	22601	1.12%	0.127%
28	5.517	5.504	5.542	VV	2741	36208	1.80%	0.203%
29	5.561	5.542	5.574	VV	1628	24902	1.24%	0.139%
30	5.590	5.574	5.607	VV	2278	30039	1.49%	0.168%
31	5.620	5.607	5.646	VV	1118	22412	1.11%	0.125%
32	5.655	5.646	5.663	VV	1030	8832	0.44%	0.049%
33	5.665	5.663	5.671	VV	1611	3950	0.20%	0.022%
34	5.681	5.671	5.690	VV	590	6036	0.30%	0.034%
35	5.709	5.690	5.731	VV	4558	67621	3.36%	0.378%
36	5.746	5.731	5.803	VV	13865	179159	8.89%	1.003%

					rteres			
37	5.819	5.803	5.831	VV	1399	17039	0.85%	0.095%
38	5.841	5.831	5.855	VV	923	11661	0.58%	0.065%
39	5.869	5.855	5.873	VV	944	9279	0.46%	0.052%
40	5.902	5.873	5.928	VV	4729	85913	4.26%	0.481%
41	5.939	5.928	5.951	VV	2294	25315	1.26%	0.142%
42	5.977	5.951	5.990	VV	1978	36506	1.81%	0.204%
43	6.008	5.990	6.018	VV	4543	55409	2.75%	0.310%
44	6.023	6.018	6.049	VV	4172	54752	2.72%	0.306%
45	6.061	6.049	6.073	VV	2286	25408	1.26%	0.142%
46	6.083	6.073	6.117	VV	1990	37964	1.88%	0.212%
47	6.147	6.117	6.169	VV	1819	34974	1.74%	0.196%
48	6.196	6.169	6.215	VV	2538	32928	1.63%	0.184%
49	6.248	6.215	6.266	VV	3412	51387	2.55%	0.288%
50	6.285	6.266	6.306	VV	3172	58835	2.92%	0.329%
51	6.319	6.306	6.335	VV	3066	43987	2.18%	0.246%
52	6.345	6.335	6.356	VV	2308	24556	1.22%	0.137%
53	6.367	6.356	6.373	VV	2173	18813	0.93%	0.105%
54	6.388	6.373	6.410	VV	2669	46104	2.29%	0.258%
55	6.433	6.410	6.446	VV	3372	58084	2.88%	0.325%
56	6.452	6.446	6.478	VV	2625	43045	2.14%	0.241%
57	6.483	6.478	6.499	VV	2036	22077	1.10%	0.124%
58	6.514	6.499	6.528	VV	2872	35278	1.75%	0.197%
59	6.557	6.528	6.564	VV	2827	50591	2.51%	0.283%
60	6.579	6.564	6.600	VV	3058	51802	2.57%	0.290%
61	6.618	6.600	6.644	VV	2180	43015	2.14%	0.241%
62	6.665	6.644	6.683	VV	2721	48221	2.39%	0.270%
63	6.692	6.683	6.727	VV	1816	38072	1.89%	0.213%
64	6.744	6.727	6.754	VV	2216	28564	1.42%	0.160%
65	6.764	6.754	6.798	VV	1946	38990	1.94%	0.218%
66	6.822	6.798	6.847	VV	6176	88133	4.37%	0.493%
67	6.866	6.847	6.881	VV	2503	43727	2.17%	0.245%
68	6.899	6.881	6.924	VV	8074	107593	5.34%	0.602%
69	6.942	6.924	6.946	VV	3098	32297	1.60%	0.181%
70	6.956	6.946	6.986	VV	3236	62020	3.08%	0.347%
71	7.006	6.986	7.016	VV	3304	44790	2.22%	0.251%
72	7.029	7.016	7.051	VV	4217	56483	2.80%	0.316%
73	7.074	7.051	7.102	VV	3406	69973	3.47%	0.392%
74	7.112	7.102	7.124	VV	1749	19959	0.99%	0.112%
75	7.151	7.124	7.178	VV	4024	74745	3.71%	0.418%
76	7.187	7.178	7.191	VV	1308	9604	0.48%	0.054%
77	7.221	7.191	7.241	VV	3002	59473	2.95%	0.333%
78	7.278	7.241	7.300	VV	3805	91838	4.56%	0.514%
79	7.320	7.300	7.350	VV	4814	80337	3.99%	0.450%
80	7.378	7.350	7.408	VV	7112	121377	6.03%	0.679%
81	7.424	7.408	7.447	VV	3396	53052	2.63%	0.297%
82	7.468	7.447	7.501	VV	8761	135908	6.75%	0.761%
83	7.518	7.501	7.548	VV	5442	86046	4.27%	0.482%
84	7.568	7.548	7.586	VV	2937	47981	2.38%	0.269%
85	7.597	7.586	7.608	VV	1723	22406	1.11%	0.125%
86	7.615	7.608	7.630	VV	1788	21648	1.07%	0.121%
87	7.670	7.630	7.681	VV	3143	70091	3.48%	0.392%
88	7.693	7.681	7.718	VV	3378	54290	2.69%	0.304%
89	7.749	7.718	7.773	VV	2428	68063	3.38%	0.381%

					rteres			
90	7.783	7.773	7.800	VV	2357	34079	1.69%	0.191%
91	7.821	7.800	7.846	VV	2345	57926	2.88%	0.324%
92	7.869	7.846	7.898	VV	5021	95549	4.74%	0.535%
93	7.917	7.898	7.940	VV	2688	48855	2.43%	0.273%
94	7.958	7.940	7.970	VV	1871	27690	1.37%	0.155%
95	7.984	7.970	7.998	VV	2389	33689	1.67%	0.189%
96	8.011	7.998	8.018	VV	2418	25954	1.29%	0.145%
97	8.036	8.018	8.052	VV	3341	52644	2.61%	0.295%
98	8.064	8.052	8.094	VV	2223	45762	2.27%	0.256%
99	8.126	8.094	8.139	VV	2953	60329	2.99%	0.338%
100	8.156	8.139	8.170	VV	3246	50088	2.49%	0.280%
101	8.180	8.170	8.201	VV	2860	41060	2.04%	0.230%
102	8.223	8.201	8.243	VV	2938	53221	2.64%	0.298%
103	8.276	8.243	8.294	VV	3983	83661	4.15%	0.468%
104	8.307	8.294	8.317	VV	3280	41077	2.04%	0.230%
105	8.327	8.317	8.348	VV	3323	46188	2.29%	0.259%
106	8.395	8.348	8.431	VV	10205	205911	10.22%	1.153%
107	8.455	8.431	8.468	VV	2203	44711	2.22%	0.250%
108	8.496	8.468	8.512	VV	7358	114481	5.68%	0.641%
109	8.525	8.512	8.548	VV	5287	79012	3.92%	0.442%
110	8.576	8.548	8.601	VV	3739	89937	4.46%	0.503%
111	8.625	8.601	8.639	VV	3185	58857	2.92%	0.329%
112	8.672	8.639	8.709	VV	3816	119468	5.93%	0.669%
113	8.738	8.709	8.756	VV	4890	88651	4.40%	0.496%
114	8.773	8.756	8.785	VV	3063	45831	2.28%	0.257%
115	8.798	8.785	8.814	VV	2795	42570	2.11%	0.238%
116	8.824	8.814	8.842	VV	2317	34203	1.70%	0.191%
117	8.867	8.842	8.893	VV	2678	62247	3.09%	0.348%
118	8.908	8.893	8.919	VV	1963	27180	1.35%	0.152%
119	8.938	8.919	8.960	VV	3338	61091	3.03%	0.342%
120	8.976	8.960	8.990	VV	2842	46718	2.32%	0.261%
121	9.002	8.990	9.015	VV	2760	38007	1.89%	0.213%
122	9.039	9.015	9.062	VV	4733	90611	4.50%	0.507%
123	9.081	9.062	9.088	VV	2861	41151	2.04%	0.230%
124	9.119	9.088	9.141	VV	8993	156089	7.75%	0.874%
125	9.149	9.141	9.156	VV	1998	17560	0.87%	0.098%
126	9.178	9.156	9.203	VV	2853	66422	3.30%	0.372%
127	9.223	9.203	9.245	VV	4214	75104	3.73%	0.420%
128	9.263	9.245	9.283	VV	2995	54881	2.72%	0.307%
129	9.296	9.283	9.314	VV	2399	38453	1.91%	0.215%
130	9.348	9.314	9.364	VV	3243	75056	3.73%	0.420%
131	9.397	9.364	9.419	VV	4816	105637	5.24%	0.591%
132	9.435	9.419	9.472	VV	4655	87621	4.35%	0.490%
133	9.492	9.472	9.513	VV	2427	47964	2.38%	0.268%
134	9.552	9.513	9.569	VV	3943	78996	3.92%	0.442%
135	9.584	9.569	9.598	VV	3074	41040	2.04%	0.230%
136	9.607	9.598	9.622	VV	1787	23874	1.19%	0.134%
137	9.638	9.622	9.652	VV	1859	29820	1.48%	0.167%
138	9.669	9.652	9.674	VV	2377	25462	1.26%	0.143%
139	9.689	9.674	9.709	VV	4118	61892	3.07%	0.346%
140	9.728	9.709	9.753	VV	4175	72541	3.60%	0.406%
141	9.780	9.753	9.823	VV	3642	109497	5.44%	0.613%

					rteres			
142	9.855	9.823	9.905	VV	4554	126743	6.29%	0.709%
143	9.925	9.905	9.935	VV	2296	35785	1.78%	0.200%
144	9.950	9.935	9.965	VV	2956	45975	2.28%	0.257%
145	9.978	9.965	9.995	VV	2682	40500	2.01%	0.227%
146	10.022	9.995	10.027	VV	2135	35545	1.76%	0.199%
147	10.052	10.027	10.081	VV	64708	674048	33.46%	3.773%
148	10.099	10.081	10.120	VV	2409	47047	2.34%	0.263%
149	10.147	10.120	10.169	VV	3059	70944	3.52%	0.397%
150	10.189	10.169	10.218	VV	3649	73157	3.63%	0.409%
151	10.221	10.218	10.238	VV	1725	18410	0.91%	0.103%
152	10.262	10.238	10.275	VV	1908	38587	1.92%	0.216%
153	10.292	10.275	10.334	VV	2385	57880	2.87%	0.324%
154	10.361	10.334	10.395	VV	2227	55134	2.74%	0.309%
155	10.400	10.395	10.412	VV	1262	12581	0.62%	0.070%
156	10.421	10.412	10.446	VV	1216	21960	1.09%	0.123%
157	10.463	10.446	10.499	VV	1540	38946	1.93%	0.218%
158	10.522	10.499	10.550	VV	2892	58719	2.91%	0.329%
159	10.577	10.550	10.604	VV	6386	108016	5.36%	0.605%
160	10.628	10.604	10.642	VV	2817	48549	2.41%	0.272%
161	10.654	10.642	10.677	VV	2801	46677	2.32%	0.261%
162	10.698	10.677	10.718	VV	2990	52509	2.61%	0.294%
163	10.725	10.718	10.753	VV	1916	32108	1.59%	0.180%
164	10.774	10.753	10.786	VV	2260	36469	1.81%	0.204%
165	10.793	10.786	10.819	VV	2157	36317	1.80%	0.203%
166	10.835	10.819	10.850	VV	2119	35319	1.75%	0.198%
167	10.878	10.850	10.892	VV	2063	45954	2.28%	0.257%
168	10.928	10.892	10.962	VV	2463	85297	4.23%	0.477%
169	11.002	10.962	11.038	VV	8893	173175	8.60%	0.969%
170	11.046	11.038	11.094	VV	1905	52271	2.59%	0.293%
171	11.142	11.094	11.157	VV	1481	47908	2.38%	0.268%
172	11.179	11.157	11.189	VV	2686	38981	1.94%	0.218%
173	11.200	11.189	11.231	VV	3101	53550	2.66%	0.300%
174	11.264	11.231	11.292	VV	1906	56399	2.80%	0.316%
175	11.324	11.292	11.344	VV	2170	49537	2.46%	0.277%
176	11.360	11.344	11.370	VV	1431	20409	1.01%	0.114%
177	11.402	11.370	11.419	VV	1508	38456	1.91%	0.215%
178	11.451	11.419	11.470	VV	1366	38657	1.92%	0.216%
179	11.489	11.470	11.511	VV	2005	38499	1.91%	0.215%
180	11.540	11.511	11.555	VV	1672	38357	1.90%	0.215%
181	11.574	11.555	11.593	VV	1816	35448	1.76%	0.198%
182	11.604	11.593	11.616	VV	1621	20928	1.04%	0.117%
183	11.632	11.616	11.647	VV	2159	33794	1.68%	0.189%
184	11.656	11.647	11.686	VV	1804	37528	1.86%	0.210%
185	11.725	11.686	11.758	VV	5033	116303	5.77%	0.651%
186	11.786	11.758	11.809	VV	1644	40893	2.03%	0.229%
187	11.831	11.809	11.856	VV	2032	40977	2.03%	0.229%
188	11.889	11.856	11.925	VV	3192	76748	3.81%	0.430%
189	11.930	11.925	11.934	VV	1489	7307	0.36%	0.041%
190	11.943	11.934	11.963	VV	1582	25021	1.24%	0.140%
191	11.983	11.963	12.000	VV	2136	36549	1.81%	0.205%
192	12.014	12.000	12.031	VV	2649	37069	1.84%	0.207%
193	12.049	12.031	12.073	VV	3721	59649	2.96%	0.334%
194	12.079	12.073	12.098	VV	1534	21032	1.04%	0.118%

					rteres			
195	12.131	12.098	12.147	VV	2062	49073	2.44%	0.275%
196	12.165	12.147	12.218	VV	1878	56269	2.79%	0.315%
197	12.239	12.218	12.258	VV	1164	25023	1.24%	0.140%
198	12.287	12.258	12.314	VV	2473	60743	3.02%	0.340%
199	12.320	12.314	12.338	VV	1727	21000	1.04%	0.118%
200	12.355	12.338	12.373	VV	1805	31035	1.54%	0.174%
201	12.394	12.373	12.450	VV	3149	77470	3.85%	0.434%
202	12.458	12.450	12.473	VV	1153	14570	0.72%	0.082%
203	12.487	12.473	12.496	VV	1020	13692	0.68%	0.077%
204	12.519	12.496	12.522	VV	1591	19945	0.99%	0.112%
205	12.559	12.522	12.620	VV	155451	2014494	100.00%	11.276%
206	12.635	12.620	12.650	VV	2587	38779	1.93%	0.217%
207	12.662	12.650	12.698	VV	1933	47904	2.38%	0.268%
208	12.724	12.698	12.754	VV	1634	48394	2.40%	0.271%
209	12.777	12.754	12.816	VV	1813	51897	2.58%	0.290%
210	12.825	12.816	12.843	VV	1011	15205	0.75%	0.085%
211	12.885	12.843	12.907	VV	2462	61107	3.03%	0.342%
212	12.922	12.907	12.930	VV	1535	19042	0.95%	0.107%
213	12.948	12.930	12.980	VV	2116	42321	2.10%	0.237%
214	13.011	12.980	13.048	VV	4030	83900	4.16%	0.470%
215	13.055	13.048	13.065	VV	812	8146	0.40%	0.046%
216	13.073	13.065	13.081	VV	786	7030	0.35%	0.039%
217	13.094	13.081	13.118	VV	874	16993	0.84%	0.095%
218	13.129	13.118	13.148	VV	794	11733	0.58%	0.066%
219	13.184	13.148	13.262	VV	2511	77591	3.85%	0.434%
220	13.266	13.262	13.278	VV	613	5319	0.26%	0.030%
221	13.298	13.278	13.323	VV	1388	23512	1.17%	0.132%
222	13.343	13.323	13.382	VV	1636	37558	1.86%	0.210%
223	13.391	13.382	13.408	VV	814	10788	0.54%	0.060%
224	13.444	13.408	13.469	VV	1087	28900	1.43%	0.162%
225	13.475	13.469	13.496	VV	719	10199	0.51%	0.057%
226	13.507	13.496	13.529	VV	809	11836	0.59%	0.066%
227	13.571	13.529	13.602	VV	6465	108206	5.37%	0.606%
228	13.625	13.602	13.680	VV	4207	101283	5.03%	0.567%
229	13.700	13.680	13.718	VV	1109	22771	1.13%	0.127%
230	13.728	13.718	13.744	VV	940	13615	0.68%	0.076%
231	13.755	13.744	13.759	VV	1057	8350	0.41%	0.047%
232	13.785	13.759	13.872	VV	34337	478440	23.75%	2.678%
233	13.888	13.872	13.920	VV	880	20166	1.00%	0.113%
234	13.965	13.920	13.981	VV	766	20835	1.03%	0.117%
235	13.994	13.981	14.025	VV	521	12599	0.63%	0.071%
236	14.036	14.025	14.051	VV	583	7742	0.38%	0.043%
237	14.098	14.051	14.126	VV	2278	44504	2.21%	0.249%
238	14.148	14.126	14.190	VV	1593	31482	1.56%	0.176%
239	14.205	14.190	14.230	VV	521	8356	0.41%	0.047%
240	14.245	14.230	14.258	VV	308	4333	0.22%	0.024%
241	14.272	14.258	14.293	VV	422	6731	0.33%	0.038%
242	14.298	14.293	14.323	VV	261	2410	0.12%	0.013%
243	14.353	14.323	14.357	VV	251	3143	0.16%	0.018%
244	14.370	14.357	14.435	VV	380	11652	0.58%	0.065%
245	14.450	14.435	14.479	VV	219	3303	0.16%	0.018%
246	14.508	14.479	14.514	VV	528	5749	0.29%	0.032%

					rteres			
247	14.537	14.514	14.570	VV	2269	38824	1.93%	0.217%
248	14.576	14.570	14.595	VV	491	6609	0.33%	0.037%
249	14.606	14.595	14.650	VV	412	8646	0.43%	0.048%
250	14.660	14.650	14.680	VV	192	2235	0.11%	0.013%
251	14.712	14.680	14.745	VV	4022	58743	2.92%	0.329%
252	14.770	14.745	14.790	VV	930	17483	0.87%	0.098%
253	14.809	14.790	14.854	VV	742	17229	0.86%	0.096%
254	14.868	14.854	14.890	VV	344	4611	0.23%	0.026%
255	14.929	14.890	14.961	VV	1711	26202	1.30%	0.147%
256	14.965	14.961	14.968	VV	307	1186	0.06%	0.007%
257	14.971	14.968	14.980	VV	300	1786	0.09%	0.010%
258	14.990	14.980	15.010	VV	315	3925	0.19%	0.022%
259	15.050	15.010	15.086	VV	124781	1754490	87.09%	9.820%
260	15.095	15.086	15.131	VV	1016	15330	0.76%	0.086%
261	15.136	15.131	15.166	VV	235	3349	0.17%	0.019%
262	15.179	15.166	15.192	VV	179	2144	0.11%	0.012%
263	15.218	15.192	15.233	VV	1236	19471	0.97%	0.109%
264	15.252	15.233	15.278	VV	4262	56319	2.80%	0.315%
265	15.296	15.278	15.316	VV	772	10453	0.52%	0.059%
266	15.321	15.316	15.333	VV	552	2003	0.10%	0.011%
267	15.341	15.333	15.356	VV	185	1934	0.10%	0.011%
268	15.362	15.356	15.369	VV	69	515	0.03%	0.003%
269	15.385	15.369	15.410	VV	184	2521	0.13%	0.014%
270	15.416	15.410	15.421	VV	50	209	0.01%	0.001%
271	15.447	15.421	15.464	PV	386	5169	0.26%	0.029%
272	15.469	15.464	15.476	VV	142	946	0.05%	0.005%
273	15.482	15.476	15.486	VV	171	871	0.04%	0.005%
274	15.491	15.486	15.497	VV	149	859	0.04%	0.005%
275	15.504	15.497	15.509	VV	141	840	0.04%	0.005%
276	15.517	15.509	15.523	VV	135	693	0.03%	0.004%
277	15.540	15.523	15.550	VV	123	1073	0.05%	0.006%
278	15.557	15.550	15.572	PV	150	1439	0.07%	0.008%
279	15.586	15.572	15.598	VV	291	3380	0.17%	0.019%
280	15.629	15.598	15.745	VV	54211	821941	40.80%	4.601%
281	15.774	15.745	15.812	VV	5324	94601	4.70%	0.530%
282	15.847	15.812	15.876	VV	5370	81010	4.02%	0.453%
283	15.896	15.876	15.933	VV	587	11573	0.57%	0.065%
284	15.940	15.933	15.945	VV	185	1066	0.05%	0.006%
285	15.955	15.945	15.961	VV	165	1313	0.07%	0.007%
286	15.985	15.961	16.008	VV	726	11754	0.58%	0.066%
287	16.021	16.008	16.046	VV	416	6887	0.34%	0.039%
288	16.069	16.046	16.080	VV	379	5983	0.30%	0.033%
289	16.092	16.080	16.112	VV	419	5989	0.30%	0.034%
290	16.148	16.112	16.208	VV	1455	31189	1.55%	0.175%
291	16.211	16.208	16.216	VV	187	695	0.03%	0.004%
292	16.225	16.216	16.229	VV	128	831	0.04%	0.005%
293	16.237	16.229	16.244	VV	194	1196	0.06%	0.007%
294	16.273	16.244	16.316	VV	4758	65306	3.24%	0.366%
295	16.337	16.316	16.376	VV	299	5119	0.25%	0.029%
296	16.379	16.376	16.386	VV	53	208	0.01%	0.001%
297	16.410	16.386	16.440	PV	142	2583	0.13%	0.014%
298	16.462	16.440	16.483	VV	370	6594	0.33%	0.037%
299	16.488	16.483	16.506	VV	235	2118	0.11%	0.012%

					rters				
300	16.526	16.506	16.543	VV	141	2230	0.11%	0.012%	
301	16.579	16.543	16.615	VV	660	15671	0.78%	0.088%	
302	16.644	16.615	16.702	VV	4326	83477	4.14%	0.467%	
303	16.722	16.702	16.735	VV	875	14235	0.71%	0.080%	
304	16.758	16.735	16.790	VV	4581	64421	3.20%	0.361%	
305	16.806	16.790	16.811	PV	885	1736	0.09%	0.010%	
306	16.836	16.811	16.863	VV	1444	20448	1.02%	0.114%	
307	16.887	16.863	16.913	VV	929	12528	0.62%	0.070%	
308	16.918	16.913	16.941	VV	160	1348	0.07%	0.008%	
309	16.958	16.941	16.973	VV	203	2296	0.11%	0.013%	
310	17.011	16.973	17.088	VV	1372	47727	2.37%	0.267%	
311	17.110	17.088	17.145	VV	504	12088	0.60%	0.068%	
312	17.163	17.145	17.176	VV	272	4349	0.22%	0.024%	
313	17.182	17.176	17.184	VV	273	1147	0.06%	0.006%	
314	17.224	17.184	17.253	VV	4035	58588	2.91%	0.328%	
315	17.274	17.253	17.326	VV	2275	37252	1.85%	0.209%	
316	17.335	17.326	17.341	PV	110	430	0.02%	0.002%	
317	17.347	17.341	17.351	VBA	40	989	0.05%	0.006%	
					Sum of corrected areas:		17865684		

FG102124.M Fri Nov 08 07:03:16 2024

Report of Analysis

Client:	ENTACT	Date Collected:	11/05/24
Project:	North Point	Date Received:	11/05/24
Client Sample ID:	EX-9-TPH-3	SDG No.:	P4721
Lab Sample ID:	P4721-10	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	85.2
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
FG014686.D	10	11/07/24 08:30	11/07/24 22:05	PB164744

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	31600		2170	19500	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	1.30		37 - 130	65%	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_G\Data\FG110724\
Data File : FG014686.D
Signal(s) : FID1A.ch
Acq On : 07 Nov 2024 22:05
Operator : YP\AJ
Sample : P4721-10 10X
Misc :
ALS Vial : 74 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-9-TPH-3

Integration File: autoint1.e
Quant Time: Nov 08 05:27:42 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Quant Title :
QLast Update : Mon Oct 21 17:03:32 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...	15.046	156083	1.305 ug/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

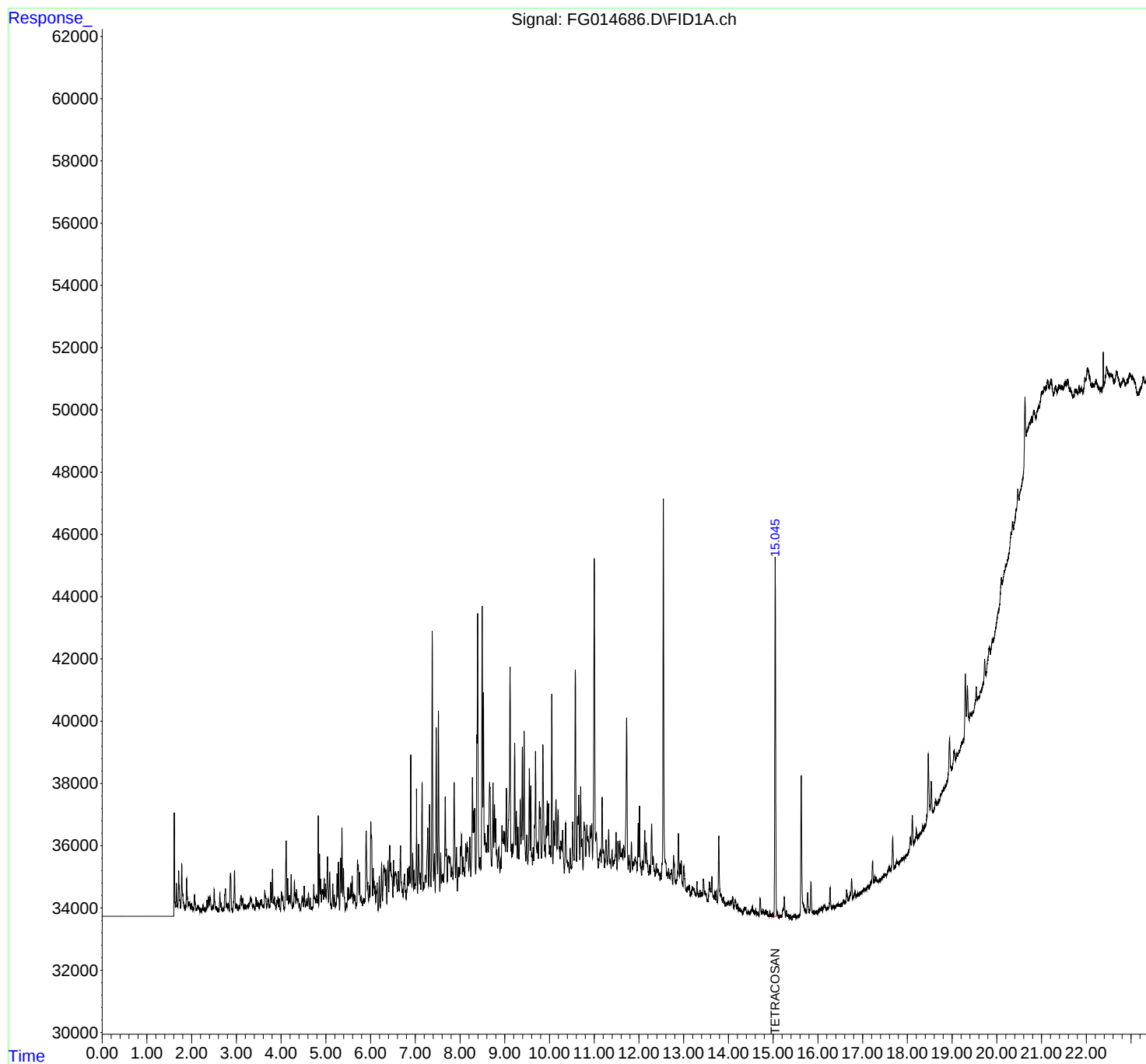
(m)=manual int.

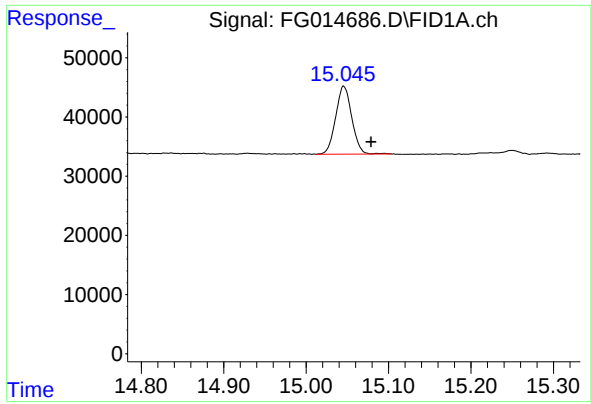
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110724\
Data File : FG014686.D
Signal(s) : FID1A.ch
Acq On : 07 Nov 2024 22:05
Operator : YP\AJ
Sample : P4721-10 10X
Misc :
ALS Vial : 74 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-9-TPH-3

Integration File: autoint1.e
Quant Time: Nov 08 05:27:42 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Quant Title :
QLast Update : Mon Oct 21 17:03:32 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.: 15.046 min
Delta R.T.: -0.033 min
Response: 156083
Conc: 1.30 ug/ml

Instrument :
FID_G
ClientSampleId :
EX-9-TPH-3

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110724\
Data File : FG014686.D
Signal(s) : FID1A.ch
Acq On : 07 Nov 2024 22:05
Sample : P4721-10 10X
Misc :
ALS Vial : 74 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.473	4.434	4.502	VV	531	11565	4.52%	0.108%
2	4.517	4.502	4.547	VV	835	11665	4.56%	0.109%
3	4.575	4.547	4.590	VV	431	7544	2.95%	0.070%
4	4.612	4.590	4.634	VV	580	9360	3.66%	0.087%
5	4.651	4.634	4.675	VV	451	6392	2.50%	0.059%
6	4.687	4.675	4.692	VV	144	1125	0.44%	0.010%
7	4.701	4.692	4.711	VV	145	1540	0.60%	0.014%
8	4.730	4.711	4.743	VV	883	9632	3.77%	0.090%
9	4.748	4.743	4.775	VV	496	7784	3.04%	0.072%
10	4.790	4.775	4.813	VV	543	9255	3.62%	0.086%
11	4.831	4.813	4.841	VV	3114	10706	4.19%	0.100%
12	4.860	4.841	4.874	VV	1874	20081	7.85%	0.187%
13	4.884	4.874	4.902	VV	1057	11923	4.66%	0.111%
14	4.921	4.902	4.930	VV	732	9841	3.85%	0.092%
15	4.940	4.930	4.950	VV	715	7404	2.89%	0.069%
16	4.963	4.950	4.980	VV	1059	13343	5.22%	0.124%
17	4.993	4.980	5.008	VV	907	10933	4.27%	0.102%
18	5.038	5.008	5.062	VV	1794	31427	12.29%	0.292%
19	5.086	5.062	5.124	VV	1276	22414	8.76%	0.209%
20	5.156	5.124	5.174	VV	916	12502	4.89%	0.116%
21	5.190	5.174	5.211	VV	570	7995	3.13%	0.074%
22	5.221	5.211	5.231	VV	302	3087	1.21%	0.029%
23	5.252	5.231	5.268	VV	1247	15650	6.12%	0.146%
24	5.282	5.268	5.305	VV	1624	20359	7.96%	0.189%
25	5.330	5.305	5.345	VV	1754	21646	8.46%	0.201%
26	5.361	5.345	5.380	VV	2718	31086	12.15%	0.289%
27	5.394	5.380	5.436	VV	1425	21685	8.48%	0.202%
28	5.458	5.436	5.471	VV	317	4591	1.80%	0.043%
29	5.493	5.471	5.506	VV	809	11152	4.36%	0.104%
30	5.519	5.506	5.531	VV	749	8635	3.38%	0.080%
31	5.538	5.531	5.542	VV	515	3148	1.23%	0.029%
32	5.561	5.542	5.574	VV	929	13744	5.37%	0.128%
33	5.590	5.574	5.609	VV	1186	15777	6.17%	0.147%
34	5.627	5.609	5.643	VV	604	10435	4.08%	0.097%
35	5.655	5.643	5.672	VV	548	6498	2.54%	0.060%
36	5.682	5.672	5.691	VV	322	2908	1.14%	0.027%

					rteres			
37	5.709	5.691	5.718	VV	1695	17263	6.75%	0.161%
38	5.725	5.718	5.742	VV	1557	17559	6.87%	0.163%
39	5.754	5.742	5.773	VV	1302	15785	6.17%	0.147%
40	5.791	5.773	5.802	VV	506	7580	2.96%	0.071%
41	5.806	5.802	5.821	VV	368	3492	1.37%	0.032%
42	5.839	5.821	5.857	VV	452	8189	3.20%	0.076%
43	5.865	5.857	5.879	VV	442	5061	1.98%	0.047%
44	5.902	5.879	5.930	VV	2638	46544	18.20%	0.433%
45	5.938	5.930	5.957	VV	979	11379	4.45%	0.106%
46	5.977	5.957	5.988	VV	829	11769	4.60%	0.110%
47	6.007	5.988	6.047	VV	2918	64422	25.19%	0.600%
48	6.061	6.047	6.073	VV	1438	16107	6.30%	0.150%
49	6.080	6.073	6.093	VV	1019	10155	3.97%	0.095%
50	6.102	6.093	6.115	VV	868	8822	3.45%	0.082%
51	6.127	6.115	6.133	VV	668	5872	2.30%	0.055%
52	6.147	6.133	6.168	VV	952	12704	4.97%	0.118%
53	6.195	6.168	6.214	VV	1187	14861	5.81%	0.138%
54	6.247	6.214	6.268	VV	1590	25371	9.92%	0.236%
55	6.296	6.268	6.313	VV	1537	30596	11.96%	0.285%
56	6.319	6.313	6.332	VV	1395	14001	5.47%	0.130%
57	6.345	6.332	6.364	VV	1382	17812	6.96%	0.166%
58	6.389	6.364	6.408	VV	1662	27377	10.70%	0.255%
59	6.429	6.408	6.446	VV	2171	36851	14.41%	0.343%
60	6.454	6.446	6.468	VV	1611	18807	7.35%	0.175%
61	6.472	6.468	6.500	VV	1270	18666	7.30%	0.174%
62	6.514	6.500	6.528	VV	1707	20277	7.93%	0.189%
63	6.542	6.528	6.546	VV	1293	12080	4.72%	0.112%
64	6.556	6.546	6.567	VV	1346	15562	6.08%	0.145%
65	6.570	6.567	6.600	VV	1279	20053	7.84%	0.187%
66	6.620	6.600	6.640	VV	1361	23612	9.23%	0.220%
67	6.669	6.640	6.708	VV	2175	49688	19.43%	0.462%
68	6.714	6.708	6.726	VV	739	7480	2.92%	0.070%
69	6.758	6.726	6.796	VV	1256	35736	13.97%	0.333%
70	6.830	6.796	6.846	VV	1445	28041	10.96%	0.261%
71	6.865	6.846	6.881	VV	1520	26271	10.27%	0.244%
72	6.899	6.881	6.923	VV	5084	66486	25.99%	0.619%
73	6.941	6.923	6.960	VV	1941	31286	12.23%	0.291%
74	6.972	6.960	6.988	VV	1366	18134	7.09%	0.169%
75	7.001	6.988	7.007	VV	968	10065	3.94%	0.094%
76	7.028	7.007	7.049	VV	3994	41224	16.12%	0.384%
77	7.074	7.049	7.101	VV	2236	43632	17.06%	0.406%
78	7.110	7.101	7.124	VV	1304	14880	5.82%	0.138%
79	7.152	7.124	7.176	VV	4197	62444	24.41%	0.581%
80	7.189	7.176	7.200	VV	1021	12904	5.05%	0.120%
81	7.227	7.200	7.242	VV	1250	26876	10.51%	0.250%
82	7.278	7.242	7.298	VV	2769	60340	23.59%	0.562%
83	7.319	7.298	7.349	VV	3522	57781	22.59%	0.538%
84	7.378	7.349	7.410	VV	9089	131961	51.59%	1.228%
85	7.427	7.410	7.446	VV	1944	28836	11.27%	0.268%
86	7.467	7.446	7.499	VV	5984	90770	35.49%	0.845%
87	7.517	7.499	7.548	VV	6517	89431	34.97%	0.832%
88	7.568	7.548	7.585	VV	1976	29984	11.72%	0.279%
89	7.596	7.585	7.604	VV	1254	12962	5.07%	0.121%

					rteres			
90	7.620	7.604	7.629	VV	1288	17716	6.93%	0.165%
91	7.669	7.629	7.686	VV	3774	69726	27.26%	0.649%
92	7.696	7.686	7.716	VV	2102	31113	12.16%	0.290%
93	7.750	7.716	7.756	VV	1874	40373	15.78%	0.376%
94	7.763	7.756	7.771	VV	1805	15695	6.14%	0.146%
95	7.778	7.771	7.802	VV	1851	28336	11.08%	0.264%
96	7.817	7.802	7.845	VV	1507	34363	13.43%	0.320%
97	7.869	7.845	7.900	VV	4244	81220	31.75%	0.756%
98	7.921	7.900	7.940	VV	2164	36505	14.27%	0.340%
99	7.963	7.940	7.975	VV	1521	25165	9.84%	0.234%
100	7.986	7.975	7.995	VV	1492	16386	6.41%	0.152%
101	8.010	7.995	8.019	VV	2179	25848	10.11%	0.241%
102	8.034	8.019	8.052	VV	2574	41403	16.19%	0.385%
103	8.064	8.052	8.078	VV	1857	24754	9.68%	0.230%
104	8.082	8.078	8.099	VV	1455	17805	6.96%	0.166%
105	8.103	8.099	8.108	VV	1295	6918	2.70%	0.064%
106	8.128	8.108	8.143	VV	2285	39183	15.32%	0.365%
107	8.159	8.143	8.173	VV	2342	36184	14.15%	0.337%
108	8.179	8.173	8.194	VV	2146	24232	9.47%	0.226%
109	8.220	8.194	8.242	VV	2486	51094	19.98%	0.475%
110	8.277	8.242	8.294	VV	4409	83191	32.53%	0.774%
111	8.305	8.294	8.316	VV	3323	39748	15.54%	0.370%
112	8.326	8.316	8.352	VV	3425	49425	19.32%	0.460%
113	8.376	8.352	8.380	VV	5780	58204	22.76%	0.542%
114	8.394	8.380	8.430	VV	9677	142548	55.73%	1.327%
115	8.448	8.430	8.467	VV	1840	36982	14.46%	0.344%
116	8.496	8.467	8.511	VV	9915	139382	54.49%	1.297%
117	8.524	8.511	8.547	VV	7141	94199	36.83%	0.877%
118	8.557	8.547	8.577	VV	2600	42390	16.57%	0.394%
119	8.588	8.577	8.601	VV	2310	31095	12.16%	0.289%
120	8.621	8.601	8.635	VV	2885	51195	20.02%	0.476%
121	8.662	8.635	8.707	VV	4264	125991	49.26%	1.172%
122	8.738	8.707	8.753	VV	4243	74439	29.10%	0.693%
123	8.771	8.753	8.784	VV	3550	53197	20.80%	0.495%
124	8.796	8.784	8.813	VV	3102	44695	17.47%	0.416%
125	8.821	8.813	8.839	VV	2108	29163	11.40%	0.271%
126	8.868	8.839	8.894	VV	2183	58482	22.86%	0.544%
127	8.907	8.894	8.917	VV	1794	22396	8.76%	0.208%
128	8.938	8.917	8.960	VV	2880	59536	23.28%	0.554%
129	8.974	8.960	8.988	VV	2711	41858	16.37%	0.390%
130	8.999	8.988	9.016	VV	2665	39540	15.46%	0.368%
131	9.037	9.016	9.058	VV	4083	74459	29.11%	0.693%
132	9.119	9.058	9.140	VV	7978	189273	74.00%	1.761%
133	9.147	9.140	9.162	VV	2278	28088	10.98%	0.261%
134	9.173	9.162	9.186	VV	2259	30260	11.83%	0.282%
135	9.222	9.186	9.245	VV	5532	113232	44.27%	1.054%
136	9.260	9.245	9.282	VV	3331	59150	23.13%	0.550%
137	9.297	9.282	9.317	VV	2835	48231	18.86%	0.449%
138	9.348	9.317	9.364	VV	3698	77556	30.32%	0.722%
139	9.394	9.364	9.410	VV	5412	95374	37.29%	0.888%
140	9.434	9.410	9.471	VV	5925	119430	46.69%	1.111%
141	9.492	9.471	9.517	VV	2577	57147	22.34%	0.532%

					rteres			
142	9.550	9.517	9.568	VV	4726	89292	34.91%	0.831%
143	9.583	9.568	9.604	VV	4177	61980	24.23%	0.577%
144	9.609	9.604	9.621	VV	1939	18304	7.16%	0.170%
145	9.635	9.621	9.650	VV	2175	34318	13.42%	0.319%
146	9.667	9.650	9.673	VV	2877	33882	13.25%	0.315%
147	9.688	9.673	9.723	VV	5282	96828	37.86%	0.901%
148	9.736	9.723	9.753	VV	2353	36784	14.38%	0.342%
149	9.777	9.753	9.787	VV	3670	60944	23.83%	0.567%
150	9.796	9.787	9.818	VV	3480	49596	19.39%	0.462%
151	9.853	9.818	9.887	VV	5491	133367	52.14%	1.241%
152	9.895	9.887	9.906	VV	2235	24321	9.51%	0.226%
153	9.924	9.906	9.934	VV	2874	41415	16.19%	0.385%
154	9.949	9.934	9.964	VV	3690	56762	22.19%	0.528%
155	9.977	9.964	9.996	VV	3611	54935	21.48%	0.511%
156	10.012	9.996	10.030	VV	2243	42351	16.56%	0.394%
157	10.052	10.030	10.077	VV	7127	104441	40.83%	0.972%
158	10.098	10.077	10.118	VV	3050	60798	23.77%	0.566%
159	10.146	10.118	10.169	VV	3724	88972	34.79%	0.828%
160	10.192	10.169	10.238	VV	3402	105861	41.39%	0.985%
161	10.253	10.238	10.278	VV	2406	51824	20.26%	0.482%
162	10.293	10.278	10.330	VV	2761	67503	26.39%	0.628%
163	10.361	10.330	10.396	VV	3002	82628	32.31%	0.769%
164	10.399	10.396	10.410	VV	1789	14403	5.63%	0.134%
165	10.423	10.410	10.440	VV	1742	28799	11.26%	0.268%
166	10.463	10.440	10.480	VV	2175	42882	16.77%	0.399%
167	10.485	10.480	10.494	VV	1597	13314	5.21%	0.124%
168	10.519	10.494	10.549	VV	3011	72013	28.16%	0.670%
169	10.578	10.549	10.604	VV	7923	138877	54.30%	1.292%
170	10.627	10.604	10.638	VV	3203	51317	20.06%	0.478%
171	10.654	10.638	10.677	VV	3896	70199	27.45%	0.653%
172	10.697	10.677	10.715	VV	4183	68695	26.86%	0.639%
173	10.726	10.715	10.750	VV	2460	43064	16.84%	0.401%
174	10.773	10.750	10.783	VV	3030	47539	18.59%	0.442%
175	10.787	10.783	10.812	VV	2870	44407	17.36%	0.413%
176	10.835	10.812	10.853	VV	2935	62614	24.48%	0.583%
177	10.858	10.853	10.866	VV	2556	18745	7.33%	0.174%
178	10.871	10.866	10.889	VV	2449	31126	12.17%	0.290%
179	10.910	10.889	10.926	VV	2924	55315	21.63%	0.515%
180	10.944	10.926	10.963	VV	2981	56689	22.16%	0.528%
181	11.001	10.963	11.030	VV	11503	219293	85.74%	2.041%
182	11.049	11.030	11.092	VV	2677	81421	31.83%	0.758%
183	11.138	11.092	11.156	VV	2142	72379	28.30%	0.674%
184	11.176	11.156	11.196	VV	3839	66197	25.88%	0.616%
185	11.203	11.196	11.230	VV	2142	39935	15.61%	0.372%
186	11.264	11.230	11.293	VV	2469	75661	29.58%	0.704%
187	11.324	11.293	11.347	VV	2817	68602	26.82%	0.638%
188	11.357	11.347	11.375	VV	1833	29352	11.48%	0.273%
189	11.400	11.375	11.422	VV	2132	51686	20.21%	0.481%
190	11.438	11.422	11.447	VV	1799	26004	10.17%	0.242%
191	11.489	11.447	11.509	VV	2725	77440	30.28%	0.721%
192	11.529	11.509	11.556	VV	2426	59018	23.07%	0.549%
193	11.574	11.556	11.595	VV	2444	51087	19.97%	0.475%
194	11.607	11.595	11.618	VV	2021	28008	10.95%	0.261%

					rteres			
195	11.630	11.618	11.642	VV	2206	29125	11.39%	0.271%
196	11.655	11.642	11.685	VV	2309	53885	21.07%	0.501%
197	11.724	11.685	11.757	VV	6401	147418	57.64%	1.372%
198	11.775	11.757	11.807	VV	1995	51329	20.07%	0.478%
199	11.831	11.807	11.857	VV	2420	56602	22.13%	0.527%
200	11.870	11.857	11.888	VV	1793	31848	12.45%	0.296%
201	11.900	11.888	11.907	VV	1879	19867	7.77%	0.185%
202	11.919	11.907	11.935	VV	1945	31282	12.23%	0.291%
203	11.937	11.935	11.960	VV	1786	24914	9.74%	0.232%
204	11.983	11.960	11.997	VV	3032	49989	19.54%	0.465%
205	12.012	11.997	12.058	VV	3572	79750	31.18%	0.742%
206	12.076	12.058	12.095	VV	1785	35699	13.96%	0.332%
207	12.131	12.095	12.147	VV	2798	65431	25.58%	0.609%
208	12.164	12.147	12.220	VV	2404	79117	30.93%	0.736%
209	12.239	12.220	12.253	VV	1662	30824	12.05%	0.287%
210	12.284	12.253	12.305	VV	3007	67245	26.29%	0.626%
211	12.320	12.305	12.342	VV	1971	38230	14.95%	0.356%
212	12.346	12.342	12.363	VV	1514	18157	7.10%	0.169%
213	12.389	12.363	12.401	VV	1719	35295	13.80%	0.328%
214	12.408	12.401	12.412	VV	1497	9762	3.82%	0.091%
215	12.418	12.412	12.425	VV	1544	11982	4.68%	0.112%
216	12.429	12.425	12.450	VV	1534	21776	8.51%	0.203%
217	12.455	12.450	12.470	VV	1437	16140	6.31%	0.150%
218	12.486	12.470	12.498	VV	1439	22539	8.81%	0.210%
219	12.545	12.498	12.623	VV	13442	255771	100.00%	2.380%
220	12.630	12.623	12.649	VV	1464	21411	8.37%	0.199%
221	12.663	12.649	12.691	VV	1596	34662	13.55%	0.323%
222	12.727	12.691	12.751	VV	1557	49574	19.38%	0.461%
223	12.775	12.751	12.817	VV	2011	58679	22.94%	0.546%
224	12.825	12.817	12.838	VV	1212	15119	5.91%	0.141%
225	12.883	12.838	12.903	VV	2718	67107	26.24%	0.624%
226	12.920	12.903	12.933	VV	1739	27425	10.72%	0.255%
227	12.947	12.933	12.984	VV	1849	43018	16.82%	0.400%
228	13.002	12.984	13.051	VV	1665	50057	19.57%	0.466%
229	13.061	13.051	13.076	VV	970	13762	5.38%	0.128%
230	13.094	13.076	13.109	VV	1022	18732	7.32%	0.174%
231	13.125	13.109	13.146	VV	1064	20766	8.12%	0.193%
232	13.162	13.146	13.173	VV	843	12437	4.86%	0.116%
233	13.190	13.173	13.220	VV	1012	25850	10.11%	0.241%
234	13.225	13.220	13.279	VV	973	29095	11.38%	0.271%
235	13.298	13.279	13.331	VV	1186	27710	10.83%	0.258%
236	13.338	13.331	13.348	VV	775	7077	2.77%	0.066%
237	13.365	13.348	13.383	VV	902	16713	6.53%	0.156%
238	13.395	13.383	13.403	VV	847	9208	3.60%	0.086%
239	13.407	13.403	13.410	VV	798	3375	1.32%	0.031%
240	13.439	13.410	13.466	VV	1265	32624	12.76%	0.304%
241	13.474	13.466	13.493	VV	883	13398	5.24%	0.125%
242	13.497	13.493	13.532	VV	812	15822	6.19%	0.147%
243	13.536	13.532	13.541	VV	570	3037	1.19%	0.028%
244	13.581	13.541	13.609	VV	1145	36283	14.19%	0.338%
245	13.631	13.609	13.654	VV	1342	27445	10.73%	0.255%
246	13.659	13.654	13.677	VV	758	9729	3.80%	0.091%

					rteres			
247	13.696	13.677	13.714	VV	862	15741	6.15%	0.146%
248	13.729	13.714	13.746	VV	891	14095	5.51%	0.131%
249	13.785	13.746	13.836	VV	2660	61668	24.11%	0.574%
250	13.842	13.836	13.870	VV	782	13257	5.18%	0.123%
251	13.887	13.870	13.930	VV	700	19989	7.81%	0.186%
252	13.933	13.930	13.940	VV	447	2505	0.98%	0.023%
253	13.944	13.940	13.950	VV	433	2590	1.01%	0.024%
254	13.959	13.950	13.980	VV	518	8542	3.34%	0.079%
255	13.998	13.980	14.024	VV	550	13120	5.13%	0.122%
256	14.038	14.024	14.044	VV	579	6179	2.42%	0.058%
257	14.047	14.044	14.053	VV	545	2675	1.05%	0.025%
258	14.069	14.053	14.075	VV	568	6859	2.68%	0.064%
259	14.093	14.075	14.126	VV	724	16164	6.32%	0.150%
260	14.146	14.126	14.187	VV	613	17409	6.81%	0.162%
261	14.206	14.187	14.228	VV	469	9114	3.56%	0.085%
262	14.235	14.228	14.251	VV	349	4137	1.62%	0.038%
263	14.257	14.251	14.265	VV	306	2431	0.95%	0.023%
264	14.272	14.265	14.280	VV	321	2430	0.95%	0.023%
265	14.285	14.280	14.298	VV	304	2690	1.05%	0.025%
266	14.303	14.298	14.328	VV	269	3806	1.49%	0.035%
267	14.343	14.328	14.352	VV	328	3608	1.41%	0.034%
268	14.364	14.352	14.372	VV	357	3956	1.55%	0.037%
269	14.377	14.372	14.387	VV	375	3029	1.18%	0.028%
270	14.391	14.387	14.405	VV	365	3164	1.24%	0.029%
271	14.407	14.405	14.418	VV	251	1601	0.63%	0.015%
272	14.422	14.418	14.428	VV	201	1142	0.45%	0.011%
273	14.443	14.428	14.451	VV	258	2952	1.15%	0.027%
274	14.456	14.451	14.473	VV	227	2476	0.97%	0.023%
275	14.481	14.473	14.486	VV	247	1535	0.60%	0.014%
276	14.490	14.486	14.494	VV	220	934	0.37%	0.009%
277	14.510	14.494	14.518	VV	322	3839	1.50%	0.036%
278	14.536	14.518	14.555	VV	415	6923	2.71%	0.064%
279	14.561	14.555	14.566	VV	270	1614	0.63%	0.015%
280	14.569	14.566	14.577	VV	274	1565	0.61%	0.015%
281	14.580	14.577	14.595	VV	239	1976	0.77%	0.018%
282	14.612	14.595	14.636	VV	368	5887	2.30%	0.055%
283	14.659	14.636	14.664	VV	231	2849	1.11%	0.027%
284	14.668	14.664	14.686	VV	202	1908	0.75%	0.018%
285	14.709	14.686	14.738	VV	671	12202	4.77%	0.114%
286	14.742	14.738	14.753	VV	217	1901	0.74%	0.018%
287	14.772	14.753	14.788	VV	343	5288	2.07%	0.049%
288	14.794	14.788	14.808	VV	240	2505	0.98%	0.023%
289	14.812	14.808	14.824	VV	231	1953	0.76%	0.018%
290	14.828	14.824	14.860	VV	278	4924	1.93%	0.046%
291	14.863	14.860	14.867	VV	215	928	0.36%	0.009%
292	14.876	14.867	14.890	VV	267	2322	0.91%	0.022%
293	14.896	14.890	14.905	VV	155	1155	0.45%	0.011%
294	14.910	14.905	14.917	VV	141	851	0.33%	0.008%
295	14.928	14.917	14.952	VV	250	3742	1.46%	0.035%
296	14.956	14.952	14.983	VV	163	2349	0.92%	0.022%
297	14.998	14.983	15.012	VV	190	2296	0.90%	0.021%
298	15.046	15.012	15.079	VV	11619	158824	62.10%	1.478%
299	15.086	15.079	15.090	VV	241	1308	0.51%	0.012%

					rteres			
300	15.095	15.090	15.118	VV	250	2486	0.97%	0.023%
301	15.124	15.118	15.137	VV	89	909	0.36%	0.008%
302	15.157	15.137	15.162	VV	130	1479	0.58%	0.014%
303	15.171	15.162	15.181	VV	130	1318	0.52%	0.012%
304	15.186	15.181	15.194	VV	149	800	0.31%	0.007%
305	15.224	15.194	15.229	VV	348	5080	1.99%	0.047%
306	15.249	15.229	15.271	VV	736	11405	4.46%	0.106%
307	15.293	15.271	15.309	VV	292	4422	1.73%	0.041%
308	15.333	15.309	15.360	VV	167	3607	1.41%	0.034%
309	15.370	15.360	15.376	VV	98	842	0.33%	0.008%
310	15.387	15.376	15.395	VV	134	1293	0.51%	0.012%
311	15.400	15.395	15.419	VV	118	1019	0.40%	0.009%
312	15.422	15.419	15.430	PV	79	352	0.14%	0.003%
313	15.447	15.430	15.466	VV	132	1870	0.73%	0.017%
314	15.471	15.466	15.477	VV	101	499	0.20%	0.005%
315	15.491	15.477	15.502	VV	141	1455	0.57%	0.014%
316	15.506	15.502	15.511	VV	94	343	0.13%	0.003%
317	15.546	15.511	15.569	VV	106	1757	0.69%	0.016%
318	15.573	15.569	15.586	VV	60	548	0.21%	0.005%
319	15.591	15.586	15.594	VV	115	409	0.16%	0.004%
320	15.627	15.594	15.707	VV	4556	77066	30.13%	0.717%
321	15.713	15.707	15.717	VV	201	1068	0.42%	0.010%
322	15.722	15.717	15.747	VV	225	2779	1.09%	0.026%
323	15.772	15.747	15.810	VV	754	13172	5.15%	0.123%
324	15.845	15.810	15.875	VV	1053	17164	6.71%	0.160%
325	15.881	15.875	15.897	VV	107	1002	0.39%	0.009%
326	15.905	15.897	15.910	VV	87	528	0.21%	0.005%
327	15.916	15.910	15.926	VV	114	643	0.25%	0.006%
328	15.931	15.926	15.936	PV	71	296	0.12%	0.003%
329	15.960	15.936	15.975	VV	98	908	0.35%	0.008%
330	15.990	15.975	15.995	VV	83	528	0.21%	0.005%
331	16.008	15.995	16.012	VV	112	593	0.23%	0.006%
332	16.030	16.012	16.036	VV	130	1292	0.51%	0.012%
333	16.052	16.036	16.057	VV	124	1185	0.46%	0.011%
334	16.069	16.057	16.074	VV	138	1060	0.41%	0.010%
335	16.079	16.074	16.107	VV	152	2227	0.87%	0.021%
336	16.146	16.107	16.185	VV	195	5350	2.09%	0.050%
337	16.202	16.185	16.211	VV	102	1023	0.40%	0.010%
338	16.224	16.211	16.234	VV	104	981	0.38%	0.009%
339	16.241	16.234	16.245	VV	71	455	0.18%	0.004%
340	16.274	16.245	16.302	VV	718	10673	4.17%	0.099%
341	16.309	16.302	16.317	VV	89	554	0.22%	0.005%
342	16.322	16.317	16.329	VV	100	378	0.15%	0.004%
343	16.340	16.329	16.350	VV	112	931	0.36%	0.009%
344	16.359	16.350	16.377	VV	90	790	0.31%	0.007%
345	16.390	16.377	16.398	VV	86	514	0.20%	0.005%
346	16.413	16.398	16.420	PV	88	728	0.28%	0.007%
347	16.426	16.420	16.445	VV	110	1085	0.42%	0.010%
348	16.455	16.445	16.460	VV	170	920	0.36%	0.009%
349	16.465	16.460	16.472	VV	103	491	0.19%	0.005%
350	16.479	16.472	16.490	VV	110	701	0.27%	0.007%
351	16.495	16.490	16.512	VV	96	749	0.29%	0.007%

					rteres				
352	16.516	16.512	16.521	VV	96	376	0.15%	0.004%	
353	16.525	16.521	16.531	VV	67	343	0.13%	0.003%	
354	16.539	16.531	16.544	PV	86	391	0.15%	0.004%	
355	16.577	16.544	16.585	VV	181	2744	1.07%	0.026%	
356	16.588	16.585	16.594	VV	122	480	0.19%	0.004%	
357	16.606	16.594	16.612	VV	114	870	0.34%	0.008%	
358	16.641	16.612	16.672	VV	443	7427	2.90%	0.069%	
359	16.677	16.672	16.681	VV	107	404	0.16%	0.004%	
360	16.721	16.681	16.734	VV	249	5177	2.02%	0.048%	
361	16.755	16.734	16.786	VV	684	10147	3.97%	0.094%	
362	16.833	16.786	16.850	PV	242	4490	1.76%	0.042%	
363	16.891	16.850	16.898	VV	126	1513	0.59%	0.014%	
364	16.915	16.898	16.934	PV	89	949	0.37%	0.009%	
365	16.939	16.934	16.947	VV	104	448	0.18%	0.004%	
366	17.028	16.947	17.053	VV	145	4436	1.73%	0.041%	
367	17.060	17.053	17.085	VV	105	1213	0.47%	0.011%	
368	17.125	17.085	17.139	VV	140	2835	1.11%	0.026%	
369	17.150	17.139	17.160	PV	118	928	0.36%	0.009%	
370	17.185	17.160	17.200	VV	183	3130	1.22%	0.029%	
371	17.221	17.200	17.252	VV	801	11631	4.55%	0.108%	
372	17.270	17.252	17.292	VV	256	3474	1.36%	0.032%	
373	17.299	17.292	17.308	VV	196	1085	0.42%	0.010%	
374	17.311	17.308	17.325	VV	103	541	0.21%	0.005%	
375	17.329	17.325	17.336	VV	47	165	0.06%	0.002%	

Sum of corrected areas: 10745665

FG102124.M Fri Nov 08 07:04:54 2024

Report of Analysis

Client:	ENTACT	Date Collected:	11/05/24
Project:	North Point	Date Received:	11/05/24
Client Sample ID:	EX-9-TPH-4	SDG No.:	P4721
Lab Sample ID:	P4721-11	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	89.4
Sample Wt/Vol:	30.08	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
FG014687.D	10	11/07/24 08:30	11/07/24 22:33	PB164744

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	229000		2060	18600	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	2.04		37 - 130	102%	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_G\Data\FG110724\
Data File : FG014687.D
Signal(s) : FID1A.ch
Acq On : 07 Nov 2024 22:33
Operator : YP\AJ
Sample : P4721-11 10X
Misc :
ALS Vial : 75 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-9-TPH-4

Integration File: autoint1.e
Quant Time: Nov 08 05:27:49 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Quant Title :
QLast Update : Mon Oct 21 17:03:32 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...	15.046	243994	2.040 ug/ml

Target Compounds

(f)=RT Delta > 1/2 Window

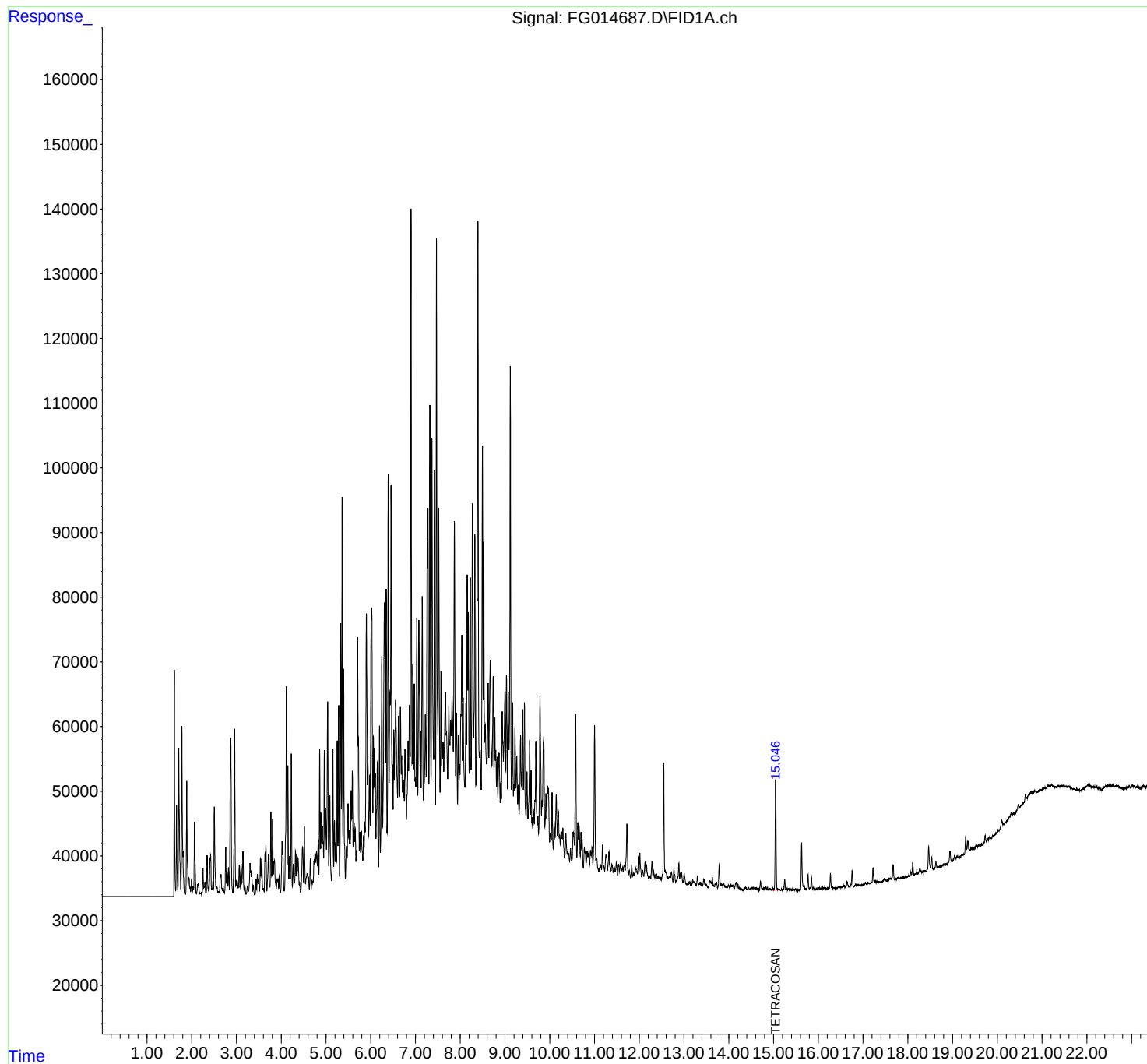
(m)=manual int.

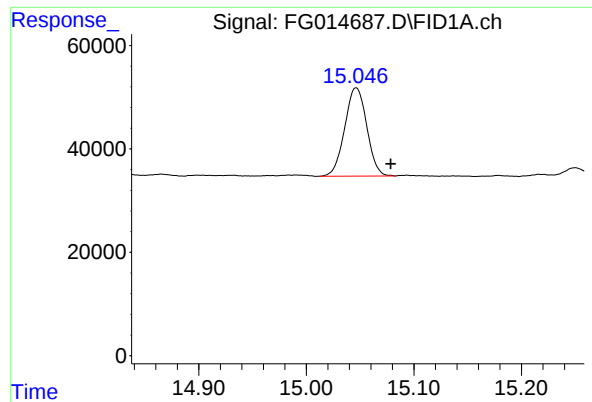
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110724\
Data File : FG014687.D
Signal(s) : FID1A.ch
Acq On : 07 Nov 2024 22:33
Operator : YP\AJ
Sample : P4721-11 10X
Misc :
ALS Vial : 75 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-9-TPH-4

Integration File: autoint1.e
Quant Time: Nov 08 05:27:49 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Quant Title :
QLast Update : Mon Oct 21 17:03:32 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.: 15.046 min
Delta R.T.: -0.032 min
Response: 243994
Conc: 2.04 ug/ml

Instrument :
FID_G
ClientSampleId :
EX-9-TPH-4

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110724\
Data File : FG014687.D
Signal(s) : FID1A.ch
Acq On : 07 Nov 2024 22:33
Sample : P4721-11 10X
Misc :
ALS Vial : 75 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.475	4.431	4.499	VV	7354	154499	7.25%	0.191%
2	4.517	4.499	4.542	VV	10629	139241	6.54%	0.172%
3	4.577	4.542	4.600	VV	3207	91967	4.32%	0.114%
4	4.609	4.600	4.629	VV	2677	33398	1.57%	0.041%
5	4.650	4.629	4.671	VV	5596	75746	3.56%	0.094%
6	4.686	4.671	4.695	VV	2235	24922	1.17%	0.031%
7	4.705	4.695	4.712	VV	2082	20110	0.94%	0.025%
8	4.732	4.712	4.739	VV	5183	60957	2.86%	0.075%
9	4.754	4.739	4.775	VV	6276	122669	5.76%	0.151%
10	4.789	4.775	4.811	VV	6639	121601	5.71%	0.150%
11	4.827	4.811	4.842	VV	8321	114842	5.39%	0.142%
12	4.860	4.842	4.874	VV	22464	242802	11.40%	0.300%
13	4.886	4.874	4.904	VV	12640	177500	8.33%	0.219%
14	4.919	4.904	4.948	VV	10552	222320	10.43%	0.275%
15	4.963	4.948	4.980	VV	22275	257721	12.10%	0.318%
16	4.994	4.980	5.011	VV	13375	187903	8.82%	0.232%
17	5.038	5.011	5.062	VV	29799	483420	22.69%	0.597%
18	5.087	5.062	5.123	VV	15258	267951	12.58%	0.331%
19	5.155	5.123	5.174	VV	22498	286895	13.47%	0.354%
20	5.190	5.174	5.208	VV	11430	164467	7.72%	0.203%
21	5.221	5.208	5.232	VV	8087	94471	4.43%	0.117%
22	5.251	5.232	5.267	VV	23755	287469	13.49%	0.355%
23	5.284	5.267	5.306	VV	29179	357618	16.78%	0.442%
24	5.329	5.306	5.345	VV	41862	507601	23.82%	0.627%
25	5.361	5.345	5.378	VV	61380	656855	30.83%	0.811%
26	5.394	5.378	5.434	VV	34842	482544	22.65%	0.596%
27	5.461	5.434	5.473	VV	7464	136199	6.39%	0.168%
28	5.494	5.473	5.508	VV	14003	212041	9.95%	0.262%
29	5.516	5.508	5.528	VV	9941	112972	5.30%	0.139%
30	5.535	5.528	5.542	VV	8252	67599	3.17%	0.083%
31	5.564	5.542	5.575	VV	16053	244488	11.47%	0.302%
32	5.589	5.575	5.607	VV	19056	262832	12.34%	0.325%
33	5.629	5.607	5.644	VV	11026	214996	10.09%	0.265%
34	5.654	5.644	5.670	VV	10104	126203	5.92%	0.156%
35	5.683	5.670	5.688	VV	6669	65994	3.10%	0.081%
36	5.708	5.688	5.721	VV	39674	472528	22.18%	0.583%

					rters			
37	5.725	5.721	5.745	VV	24105	240183	11.27%	0.297%
38	5.759	5.745	5.774	VV	9576	139971	6.57%	0.173%
39	5.789	5.774	5.823	VV	9759	220312	10.34%	0.272%
40	5.842	5.823	5.853	VV	9091	134815	6.33%	0.166%
41	5.866	5.853	5.875	VV	10993	128177	6.02%	0.158%
42	5.903	5.875	5.929	VV	43353	851200	39.95%	1.051%
43	5.937	5.929	5.953	VV	20976	233955	10.98%	0.289%
44	5.977	5.953	5.989	VV	18370	292289	13.72%	0.361%
45	6.023	5.989	6.048	VV	44251	1098951	51.58%	1.357%
46	6.061	6.048	6.071	VV	24313	270744	12.71%	0.334%
47	6.082	6.071	6.093	VV	22579	254888	11.96%	0.315%
48	6.102	6.093	6.116	VV	18704	202758	9.52%	0.250%
49	6.147	6.116	6.172	VV	20348	418246	19.63%	0.516%
50	6.196	6.172	6.215	VV	26036	350835	16.47%	0.433%
51	6.247	6.215	6.267	VV	36834	594302	27.89%	0.734%
52	6.306	6.267	6.331	VV	45079	1122480	52.68%	1.386%
53	6.345	6.331	6.365	VV	47139	571704	26.83%	0.706%
54	6.390	6.365	6.411	VV	64926	907059	42.57%	1.120%
55	6.430	6.411	6.439	VV	31259	462837	21.72%	0.572%
56	6.454	6.439	6.476	VV	63059	848041	39.80%	1.047%
57	6.484	6.476	6.500	VV	19956	254207	11.93%	0.314%
58	6.515	6.500	6.526	VV	25376	319526	15.00%	0.395%
59	6.557	6.526	6.599	VV	29973	989802	46.46%	1.222%
60	6.619	6.599	6.642	VV	27485	524601	24.62%	0.648%
61	6.663	6.642	6.681	VV	28869	523356	24.56%	0.646%
62	6.691	6.681	6.708	VV	21400	302238	14.19%	0.373%
63	6.714	6.708	6.726	VV	16427	178908	8.40%	0.221%
64	6.738	6.726	6.750	VV	17541	230644	10.83%	0.285%
65	6.764	6.750	6.796	VV	22363	475984	22.34%	0.588%
66	6.834	6.796	6.847	VV	23672	546774	25.66%	0.675%
67	6.868	6.847	6.881	VV	29238	508255	23.85%	0.628%
68	6.900	6.881	6.924	VV	105875	1426227	66.94%	1.761%
69	6.939	6.924	6.960	VV	35403	605135	28.40%	0.747%
70	6.973	6.960	6.988	VV	32444	418944	19.66%	0.517%
71	6.994	6.988	7.008	VV	17761	197700	9.28%	0.244%
72	7.029	7.008	7.051	VV	42576	706753	33.17%	0.873%
73	7.075	7.051	7.101	VV	42301	876745	41.15%	1.083%
74	7.112	7.101	7.125	VV	25233	300581	14.11%	0.371%
75	7.151	7.125	7.178	VV	45983	875429	41.09%	1.081%
76	7.219	7.178	7.238	VV	27704	735983	34.54%	0.909%
77	7.262	7.238	7.268	VV	54505	672366	31.56%	0.830%
78	7.278	7.268	7.299	VV	59588	770786	36.18%	0.952%
79	7.321	7.299	7.347	VV	75520	1133586	53.20%	1.400%
80	7.366	7.347	7.407	VV	70394	1346115	63.18%	1.662%
81	7.425	7.407	7.446	VV	65359	882505	41.42%	1.090%
82	7.469	7.446	7.501	VV	101271	1552626	72.87%	1.917%
83	7.518	7.501	7.548	VV	59586	1007431	47.28%	1.244%
84	7.569	7.548	7.585	VV	34446	550850	25.85%	0.680%
85	7.596	7.585	7.604	VV	22290	240605	11.29%	0.297%
86	7.616	7.604	7.631	VV	23363	342287	16.06%	0.423%
87	7.670	7.631	7.687	VV	31127	859131	40.32%	1.061%
88	7.692	7.687	7.718	VV	24775	415944	19.52%	0.514%
89	7.745	7.718	7.770	VV	28685	747258	35.07%	0.923%

					rteres			
90	7.784	7.770	7.794	VV	26812	360186	16.91%	0.445%
91	7.817	7.794	7.844	VV	30151	801000	37.59%	0.989%
92	7.870	7.844	7.897	VV	57510	1134755	53.26%	1.401%
93	7.915	7.897	7.940	VV	27932	559351	26.25%	0.691%
94	7.958	7.940	7.975	VV	24426	418597	19.65%	0.517%
95	7.986	7.975	7.995	VV	19975	230476	10.82%	0.285%
96	8.035	7.995	8.051	VV	39979	972848	45.66%	1.201%
97	8.065	8.051	8.105	VV	30206	694401	32.59%	0.857%
98	8.127	8.105	8.138	VV	29384	471944	22.15%	0.583%
99	8.156	8.138	8.169	VV	49241	692541	32.50%	0.855%
100	8.181	8.169	8.201	VV	43445	603235	28.31%	0.745%
101	8.223	8.201	8.243	VV	48796	783887	36.79%	0.968%
102	8.272	8.243	8.296	VV	60258	1195127	56.09%	1.476%
103	8.327	8.296	8.349	VV	55446	1035772	48.61%	1.279%
104	8.395	8.349	8.430	VV	103829	2130642	100.00%	2.631%
105	8.446	8.430	8.469	VV	22050	463056	21.73%	0.572%
106	8.497	8.469	8.512	VV	69156	1067144	50.09%	1.318%
107	8.525	8.512	8.547	VV	54339	788454	37.01%	0.974%
108	8.560	8.547	8.588	VV	26023	569908	26.75%	0.704%
109	8.624	8.588	8.640	VV	32465	765048	35.91%	0.945%
110	8.671	8.640	8.707	VV	35963	1113416	52.26%	1.375%
111	8.736	8.707	8.755	VV	33486	725702	34.06%	0.896%
112	8.773	8.755	8.786	VV	27199	425364	19.96%	0.525%
113	8.795	8.786	8.810	VV	22098	297445	13.96%	0.367%
114	8.825	8.810	8.841	VV	21053	333575	15.66%	0.412%
115	8.867	8.841	8.893	VV	21587	570365	26.77%	0.704%
116	8.907	8.893	8.920	VV	17081	251055	11.78%	0.310%
117	8.938	8.920	8.964	VV	28090	602288	28.27%	0.744%
118	8.999	8.964	9.016	VV	31217	781411	36.67%	0.965%
119	9.033	9.016	9.055	VV	33690	608750	28.57%	0.752%
120	9.073	9.055	9.090	VV	30979	507669	23.83%	0.627%
121	9.119	9.090	9.150	VV	81481	1385125	65.01%	1.710%
122	9.171	9.150	9.188	VV	29430	481814	22.61%	0.595%
123	9.198	9.188	9.206	VV	16770	178240	8.37%	0.220%
124	9.224	9.206	9.245	VV	25732	468391	21.98%	0.578%
125	9.263	9.245	9.282	VV	21229	404286	18.97%	0.499%
126	9.295	9.282	9.315	VV	16557	286547	13.45%	0.354%
127	9.348	9.315	9.365	VV	24410	543551	25.51%	0.671%
128	9.394	9.365	9.411	VV	28371	574862	26.98%	0.710%
129	9.435	9.411	9.470	VV	29436	651022	30.56%	0.804%
130	9.490	9.470	9.512	VV	18717	373088	17.51%	0.461%
131	9.551	9.512	9.569	VV	23637	548178	25.73%	0.677%
132	9.583	9.569	9.600	VV	19024	278670	13.08%	0.344%
133	9.608	9.600	9.621	VV	11621	134313	6.30%	0.166%
134	9.637	9.621	9.654	VV	12664	231665	10.87%	0.286%
135	9.689	9.654	9.722	VV	23429	609876	28.62%	0.753%
136	9.735	9.722	9.750	VV	11832	185161	8.69%	0.229%
137	9.782	9.750	9.815	VV	30467	728672	34.20%	0.900%
138	9.827	9.815	9.834	VV	14255	155535	7.30%	0.192%
139	9.865	9.834	9.889	VV	23736	611278	28.69%	0.755%
140	9.914	9.889	9.932	VV	15345	327504	15.37%	0.404%
141	9.949	9.932	9.957	VV	16486	221284	10.39%	0.273%

rteres								
142	9.968	9.957	9.996	VV	16140	303862	14.26%	0.375%
143	10.017	9.996	10.033	VV	9157	189270	8.88%	0.234%
144	10.052	10.033	10.078	VV	15501	275456	12.93%	0.340%
145	10.098	10.078	10.119	VV	11036	231814	10.88%	0.286%
146	10.144	10.119	10.171	VV	15073	359334	16.87%	0.444%
147	10.190	10.171	10.212	VV	12594	257746	12.10%	0.318%
148	10.220	10.212	10.236	VV	8848	121109	5.68%	0.150%
149	10.255	10.236	10.277	VV	9553	217012	10.19%	0.268%
150	10.293	10.277	10.333	VV	9927	257985	12.11%	0.319%
151	10.360	10.333	10.388	VV	9173	234692	11.02%	0.290%
152	10.401	10.388	10.412	VV	6418	88964	4.18%	0.110%
153	10.417	10.412	10.444	VV	6056	106732	5.01%	0.132%
154	10.463	10.444	10.492	VV	6831	163820	7.69%	0.202%
155	10.520	10.492	10.529	VV	9329	157810	7.41%	0.195%
156	10.535	10.529	10.549	VV	9175	104309	4.90%	0.129%
157	10.578	10.549	10.605	VV	27541	493542	23.16%	0.609%
158	10.627	10.605	10.642	VV	10797	187137	8.78%	0.231%
159	10.656	10.642	10.682	VV	10012	198465	9.31%	0.245%
160	10.698	10.682	10.711	VV	9330	135887	6.38%	0.168%
161	10.723	10.711	10.749	VV	8266	138801	6.51%	0.171%
162	10.773	10.749	10.810	VV	6886	205935	9.67%	0.254%
163	10.835	10.810	10.849	VV	6383	127628	5.99%	0.158%
164	10.860	10.849	10.888	VV	5938	126330	5.93%	0.156%
165	10.909	10.888	10.924	VV	6496	121623	5.71%	0.150%
166	10.944	10.924	10.963	VV	7047	139014	6.52%	0.172%
167	11.001	10.963	11.031	VV	25748	491824	23.08%	0.607%
168	11.049	11.031	11.094	VV	5282	163674	7.68%	0.202%
169	11.142	11.094	11.156	VV	4246	141504	6.64%	0.175%
170	11.177	11.156	11.200	VV	7353	135859	6.38%	0.168%
171	11.204	11.200	11.226	VV	3971	60109	2.82%	0.074%
172	11.255	11.226	11.289	VV	5795	176614	8.29%	0.218%
173	11.322	11.289	11.370	VV	6190	214722	10.08%	0.265%
174	11.385	11.370	11.418	VV	4334	108980	5.11%	0.135%
175	11.437	11.418	11.452	VV	3993	71437	3.35%	0.088%
176	11.457	11.452	11.466	VV	3429	29009	1.36%	0.036%
177	11.488	11.466	11.510	VV	4591	100220	4.70%	0.124%
178	11.539	11.510	11.555	VV	4286	97600	4.58%	0.121%
179	11.574	11.555	11.612	VV	4267	123901	5.82%	0.153%
180	11.629	11.612	11.642	VV	3906	65327	3.07%	0.081%
181	11.659	11.642	11.684	VV	4159	93767	4.40%	0.116%
182	11.724	11.684	11.755	VV	10542	250350	11.75%	0.309%
183	11.775	11.755	11.804	VV	3307	84454	3.96%	0.104%
184	11.831	11.804	11.858	VV	4172	98886	4.64%	0.122%
185	11.872	11.858	11.888	VV	2862	47654	2.24%	0.059%
186	11.899	11.888	11.905	VV	2897	28570	1.34%	0.035%
187	11.927	11.905	11.960	VV	3690	107676	5.05%	0.133%
188	11.983	11.960	11.997	VV	5504	92371	4.34%	0.114%
189	12.013	11.997	12.056	VV	6015	138343	6.49%	0.171%
190	12.073	12.056	12.101	VV	3314	77171	3.62%	0.095%
191	12.130	12.101	12.147	VV	4584	97918	4.60%	0.121%
192	12.163	12.147	12.218	VV	4164	121606	5.71%	0.150%
193	12.241	12.218	12.255	VV	2420	48528	2.28%	0.060%
194	12.284	12.255	12.306	VV	4691	101774	4.78%	0.126%

					rteres			
195	12.321	12.306	12.337	VV	3245	51952	2.44%	0.064%
196	12.348	12.337	12.365	VV	2505	39841	1.87%	0.049%
197	12.384	12.365	12.402	VV	2797	54764	2.57%	0.068%
198	12.415	12.402	12.420	VV	2288	22507	1.06%	0.028%
199	12.427	12.420	12.446	VV	2318	35338	1.66%	0.044%
200	12.454	12.446	12.471	VV	2143	30209	1.42%	0.037%
201	12.485	12.471	12.499	VV	2239	33694	1.58%	0.042%
202	12.546	12.499	12.625	VV	19942	396753	18.62%	0.490%
203	12.636	12.625	12.649	VV	2315	31387	1.47%	0.039%
204	12.668	12.649	12.674	VV	2309	32823	1.54%	0.041%
205	12.686	12.674	12.696	VV	2498	31434	1.48%	0.039%
206	12.719	12.696	12.752	VV	2926	79385	3.73%	0.098%
207	12.774	12.752	12.816	VV	3522	90037	4.23%	0.111%
208	12.823	12.816	12.834	VV	1643	17943	0.84%	0.022%
209	12.885	12.834	12.905	VV	4390	109841	5.16%	0.136%
210	12.920	12.905	12.933	VV	2853	41462	1.95%	0.051%
211	12.947	12.933	12.970	VV	2886	50057	2.35%	0.062%
212	12.974	12.970	12.982	VV	1631	11267	0.53%	0.014%
213	13.003	12.982	13.046	VV	2797	74844	3.51%	0.092%
214	13.062	13.046	13.076	VV	1234	21088	0.99%	0.026%
215	13.097	13.076	13.115	VV	1510	30827	1.45%	0.038%
216	13.125	13.115	13.144	VV	1479	22604	1.06%	0.028%
217	13.159	13.144	13.174	VV	1157	19194	0.90%	0.024%
218	13.195	13.174	13.211	VV	1754	32863	1.54%	0.041%
219	13.217	13.211	13.254	VV	1486	34211	1.61%	0.042%
220	13.259	13.254	13.277	VV	1168	14808	0.70%	0.018%
221	13.298	13.277	13.321	VV	2359	42458	1.99%	0.052%
222	13.340	13.321	13.348	VV	1330	19396	0.91%	0.024%
223	13.364	13.348	13.380	VV	1441	22778	1.07%	0.028%
224	13.393	13.380	13.419	VV	1372	26363	1.24%	0.033%
225	13.443	13.419	13.465	VV	1881	40189	1.89%	0.050%
226	13.469	13.465	13.496	VV	1169	20232	0.95%	0.025%
227	13.504	13.496	13.536	VV	1075	19787	0.93%	0.024%
228	13.542	13.536	13.545	VV	688	3639	0.17%	0.004%
229	13.578	13.545	13.615	VV	1644	52909	2.48%	0.065%
230	13.632	13.615	13.678	VV	2139	48862	2.29%	0.060%
231	13.698	13.678	13.713	VV	1253	21171	0.99%	0.026%
232	13.727	13.713	13.749	VV	1381	22522	1.06%	0.028%
233	13.784	13.749	13.833	VV	4035	87548	4.11%	0.108%
234	13.837	13.833	13.865	VV	1073	18621	0.87%	0.023%
235	13.885	13.865	13.929	VV	1235	33691	1.58%	0.042%
236	13.937	13.929	13.948	VV	672	7286	0.34%	0.009%
237	13.965	13.948	13.972	VV	673	8995	0.42%	0.011%
238	13.991	13.972	14.017	VV	985	21200	0.99%	0.026%
239	14.036	14.017	14.050	VV	1117	16875	0.79%	0.021%
240	14.089	14.050	14.123	VV	841	30833	1.45%	0.038%
241	14.163	14.123	14.186	VV	1368	32982	1.55%	0.041%
242	14.204	14.186	14.225	VV	1104	16873	0.79%	0.021%
243	14.237	14.225	14.263	VV	507	9248	0.43%	0.011%
244	14.270	14.263	14.326	VV	371	9667	0.45%	0.012%
245	14.378	14.326	14.418	VV	582	20326	0.95%	0.025%
246	14.442	14.418	14.469	VV	473	9991	0.47%	0.012%

					rteres			
247	14.482	14.469	14.491	VV	307	3441	0.16%	0.004%
248	14.509	14.491	14.524	VV	539	8399	0.39%	0.010%
249	14.536	14.524	14.558	VV	600	9737	0.46%	0.012%
250	14.575	14.558	14.591	VV	447	8092	0.38%	0.010%
251	14.607	14.591	14.611	VV	417	4676	0.22%	0.006%
252	14.622	14.611	14.648	VV	433	6680	0.31%	0.008%
253	14.664	14.648	14.679	VV	290	3702	0.17%	0.005%
254	14.708	14.679	14.743	VV	1523	26994	1.27%	0.033%
255	14.753	14.743	14.761	VV	362	3716	0.17%	0.005%
256	14.774	14.761	14.779	VV	475	4178	0.20%	0.005%
257	14.781	14.779	14.790	VV	454	2488	0.12%	0.003%
258	14.803	14.790	14.818	VV	491	7470	0.35%	0.009%
259	14.831	14.818	14.851	VV	618	8823	0.41%	0.011%
260	14.866	14.851	14.886	VV	533	7554	0.35%	0.009%
261	14.899	14.886	14.923	VV	330	5936	0.28%	0.007%
262	14.932	14.923	14.950	VV	311	3764	0.18%	0.005%
263	14.990	14.950	15.010	VV	363	8859	0.42%	0.011%
264	15.046	15.010	15.083	VV	17222	249567	11.71%	0.308%
265	15.094	15.083	15.123	VV	314	5057	0.24%	0.006%
266	15.137	15.123	15.157	VV	164	2669	0.13%	0.003%
267	15.178	15.157	15.198	VV	269	3591	0.17%	0.004%
268	15.216	15.198	15.231	VV	492	6397	0.30%	0.008%
269	15.250	15.231	15.275	VV	1747	24150	1.13%	0.030%
270	15.291	15.275	15.315	VV	417	5424	0.25%	0.007%
271	15.334	15.315	15.377	VV	291	7599	0.36%	0.009%
272	15.387	15.377	15.393	VV	245	2041	0.10%	0.003%
273	15.398	15.393	15.408	VV	218	1443	0.07%	0.002%
274	15.411	15.408	15.435	VV	172	1933	0.09%	0.002%
275	15.454	15.435	15.459	VV	156	2039	0.10%	0.003%
276	15.468	15.459	15.471	VV	169	1028	0.05%	0.001%
277	15.488	15.471	15.513	VV	314	4612	0.22%	0.006%
278	15.536	15.513	15.543	VV	136	1463	0.07%	0.002%
279	15.561	15.543	15.572	PV	104	1152	0.05%	0.001%
280	15.592	15.572	15.599	VV	210	2417	0.11%	0.003%
281	15.627	15.599	15.710	VV	7295	117669	5.52%	0.145%
282	15.723	15.710	15.739	VV	263	3257	0.15%	0.004%
283	15.771	15.739	15.798	VV	2384	33231	1.56%	0.041%
284	15.847	15.798	15.874	VV	1922	32206	1.51%	0.040%
285	15.891	15.874	15.935	VV	332	6144	0.29%	0.008%
286	15.966	15.935	15.979	PV	153	2422	0.11%	0.003%
287	16.000	15.979	16.005	VV	217	2496	0.12%	0.003%
288	16.017	16.005	16.053	VV	241	4611	0.22%	0.006%
289	16.089	16.053	16.114	VV	355	6833	0.32%	0.008%
290	16.120	16.114	16.128	VV	152	869	0.04%	0.001%
291	16.143	16.128	16.181	VV	304	5664	0.27%	0.007%
292	16.196	16.181	16.213	VV	154	1888	0.09%	0.002%
293	16.221	16.213	16.228	VV	97	653	0.03%	0.001%
294	16.239	16.228	16.243	VV	130	763	0.04%	0.001%
295	16.272	16.243	16.315	VV	2385	33691	1.58%	0.042%
296	16.321	16.315	16.343	VV	187	2044	0.10%	0.003%
297	16.348	16.343	16.355	VV	146	785	0.04%	0.001%
298	16.362	16.355	16.395	VV	124	1635	0.08%	0.002%
299	16.417	16.395	16.424	PV	101	1044	0.05%	0.001%

					rteres				
300	16.455	16.424	16.470	VV	311	4826	0.23%	0.006%	
301	16.487	16.470	16.511	VV	263	3883	0.18%	0.005%	
302	16.517	16.511	16.525	VV	153	967	0.05%	0.001%	
303	16.531	16.525	16.538	VV	93	555	0.03%	0.001%	
304	16.584	16.538	16.605	VV	321	8011	0.38%	0.010%	
305	16.643	16.605	16.692	VV	757	15480	0.73%	0.019%	
306	16.716	16.692	16.726	VV	320	4093	0.19%	0.005%	
307	16.755	16.726	16.787	VV	2487	34762	1.63%	0.043%	
308	16.834	16.787	16.856	PV	299	4989	0.23%	0.006%	
309	16.885	16.856	16.908	VV	184	2942	0.14%	0.004%	
310	16.914	16.908	16.923	VV	106	696	0.03%	0.001%	
311	16.929	16.923	16.942	VV	92	651	0.03%	0.001%	
312	16.953	16.942	16.957	PV	72	454	0.02%	0.001%	
313	16.971	16.957	16.988	VV	125	1277	0.06%	0.002%	
314	17.019	16.988	17.026	VV	183	2281	0.11%	0.003%	
315	17.034	17.026	17.039	VV	259	1545	0.07%	0.002%	
316	17.055	17.039	17.079	VV	376	4538	0.21%	0.006%	
317	17.085	17.079	17.088	VV	87	299	0.01%	0.000%	
318	17.112	17.088	17.135	VV	271	4079	0.19%	0.005%	
319	17.138	17.135	17.145	VV	47	211	0.01%	0.000%	
320	17.150	17.145	17.160	VV	77	388	0.02%	0.000%	
321	17.189	17.160	17.197	VV	155	2455	0.12%	0.003%	
322	17.223	17.197	17.251	VV	2383	31708	1.49%	0.039%	
323	17.273	17.251	17.292	VV	375	5600	0.26%	0.007%	
324	17.300	17.292	17.312	VV	167	1297	0.06%	0.002%	
325	17.317	17.312	17.321	PV	33	157	0.01%	0.000%	
326	17.336	17.321	17.344	VV	82	590	0.03%	0.001%	
					Sum of corrected areas:	80984278			

FG102124.M Fri Nov 08 07:05:21 2024

Report of Analysis

Client:	ENTACT	Date Collected:	11/05/24
Project:	North Point	Date Received:	11/05/24
Client Sample ID:	EX-9-TPH-5	SDG No.:	P4721
Lab Sample ID:	P4721-12	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	86.9
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
FG014703.D	1	11/07/24 08:30	11/08/24 8:59	PB164744

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	2400		212	1920	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	19.0		37 - 130	95%	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_G\Data\FG110724\
Data File : FG014703.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 08:59
Operator : YP\AJ
Sample : P4721-12
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-9-TPH-5

Integration File: autoint1.e
Quant Time: Nov 09 00:04:36 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Quant Title :
QLast Update : Mon Oct 21 17:03:32 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...	15.047	2274121	19.014 ug/ml

Target Compounds

(f)=RT Delta > 1/2 Window

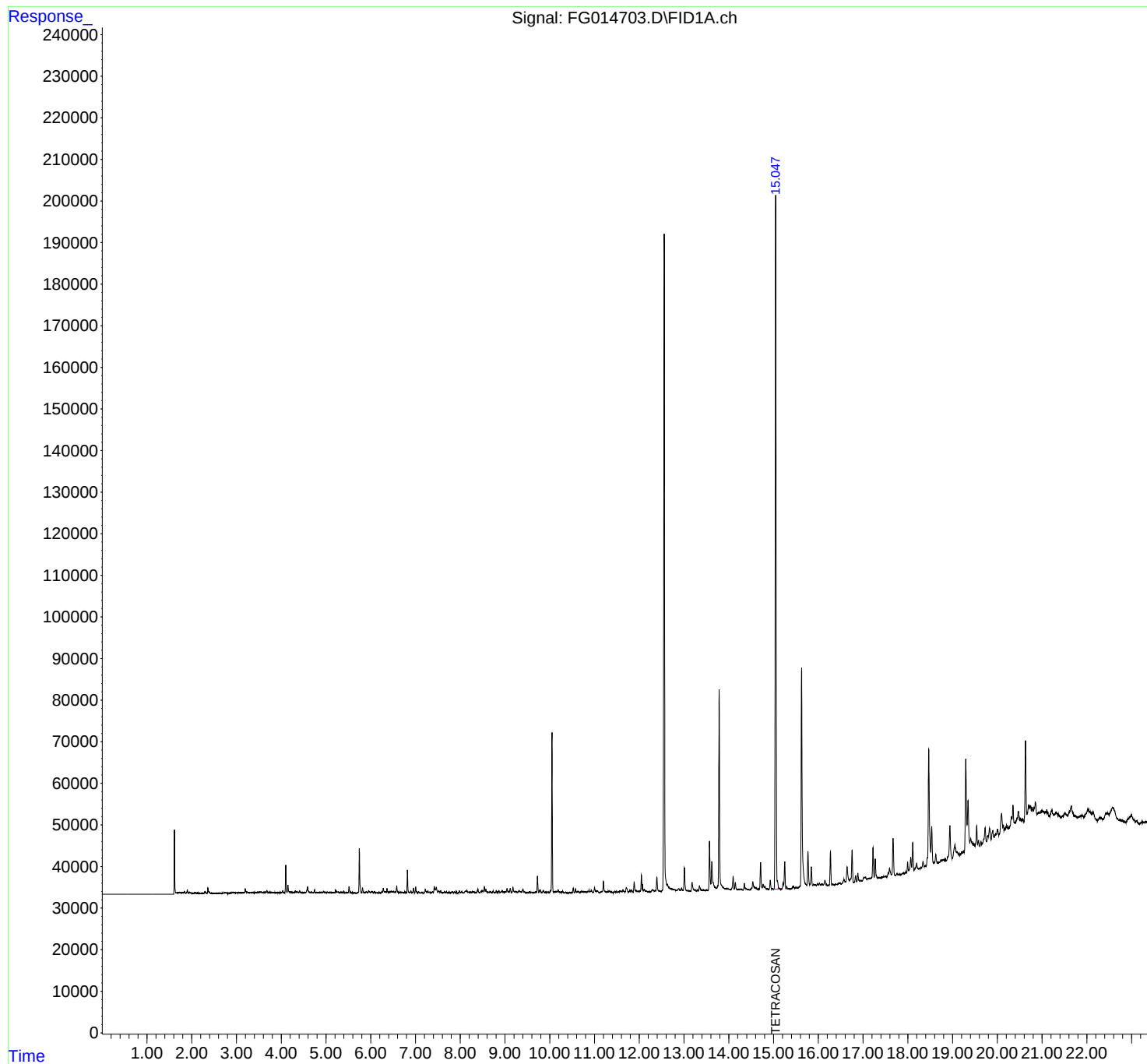
(m)=manual int.

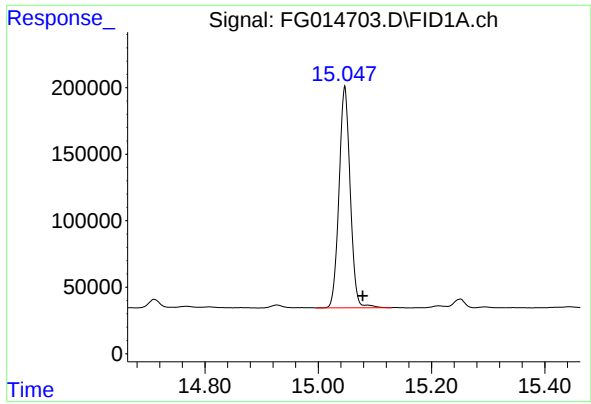
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110724\
Data File : FG014703.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 08:59
Operator : YP\AJ
Sample : P4721-12
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-9-TPH-5

Integration File: autoint1.e
Quant Time: Nov 09 00:04:36 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Quant Title :
QLast Update : Mon Oct 21 17:03:32 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.: 15.047 min
Delta R.T.: -0.032 min
Response: 2274121
Conc: 19.01 ug/ml

Instrument :
FID_G
ClientSampleId :
EX-9-TPH-5

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110724\
Data File : FG014703.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 08:59
Sample : P4721-12
Misc :
ALS Vial : 62 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.243	3.229	3.268	BV	49	822	0.04%	0.008%
2	3.279	3.268	3.288	PV	70	557	0.02%	0.005%
3	3.308	3.288	3.318	VV	136	1446	0.06%	0.014%
4	3.323	3.318	3.340	VV	132	1293	0.06%	0.012%
5	3.343	3.340	3.349	VV	136	388	0.02%	0.004%
6	3.355	3.349	3.368	VV	107	844	0.04%	0.008%
7	3.371	3.368	3.393	VV	102	821	0.04%	0.008%
8	3.407	3.393	3.417	PV	73	733	0.03%	0.007%
9	3.423	3.417	3.428	VV	72	393	0.02%	0.004%
10	3.437	3.428	3.442	VV	80	510	0.02%	0.005%
11	3.448	3.442	3.452	VV	71	350	0.02%	0.003%
12	3.483	3.452	3.492	VV	160	2685	0.12%	0.026%
13	3.514	3.492	3.524	VV	211	3288	0.15%	0.031%
14	3.532	3.524	3.546	VV	237	2604	0.12%	0.025%
15	3.554	3.546	3.580	VV	242	3544	0.16%	0.034%
16	3.588	3.580	3.597	VV	143	1089	0.05%	0.010%
17	3.614	3.597	3.620	VV	167	1672	0.07%	0.016%
18	3.637	3.620	3.659	VV	260	4111	0.18%	0.039%
19	3.680	3.659	3.709	VV	592	8568	0.38%	0.082%
20	3.713	3.709	3.727	VV	149	1425	0.06%	0.014%
21	3.731	3.727	3.746	VV	155	1379	0.06%	0.013%
22	3.753	3.746	3.757	VV	163	797	0.04%	0.008%
23	3.770	3.757	3.782	VV	187	2245	0.10%	0.021%
24	3.785	3.782	3.809	VV	139	1721	0.08%	0.016%
25	3.813	3.809	3.824	VV	118	817	0.04%	0.008%
26	3.832	3.824	3.842	VV	126	762	0.03%	0.007%
27	3.847	3.842	3.856	VV	103	649	0.03%	0.006%
28	3.860	3.856	3.871	VV	144	696	0.03%	0.007%
29	3.877	3.871	3.881	VV	59	367	0.02%	0.003%
30	3.895	3.881	3.900	VV	134	874	0.04%	0.008%
31	3.906	3.900	3.949	VV	140	2356	0.10%	0.022%
32	3.956	3.949	3.968	VV	135	919	0.04%	0.009%
33	3.972	3.968	3.981	VV	110	420	0.02%	0.004%
34	3.996	3.981	4.000	PV	106	733	0.03%	0.007%
35	4.008	4.000	4.015	VV	136	909	0.04%	0.009%
36	4.032	4.015	4.062	VV	509	7135	0.32%	0.068%

					rteres			
37	4.066	4.062	4.072	VV	75	290	0.01%	0.003%
38	4.101	4.072	4.128	VV	6764	66476	2.94%	0.633%
39	4.149	4.128	4.195	VV	1966	27207	1.20%	0.259%
40	4.212	4.195	4.217	VV	268	2981	0.13%	0.028%
41	4.221	4.217	4.238	VV	280	2681	0.12%	0.026%
42	4.241	4.238	4.272	VV	166	2419	0.11%	0.023%
43	4.279	4.272	4.284	VV	165	816	0.04%	0.008%
44	4.299	4.284	4.303	VV	165	1523	0.07%	0.015%
45	4.313	4.303	4.329	VV	629	3504	0.16%	0.033%
46	4.342	4.329	4.358	VV	398	5313	0.24%	0.051%
47	4.369	4.358	4.398	VV	225	4457	0.20%	0.042%
48	4.413	4.398	4.442	VV	571	7947	0.35%	0.076%
49	4.453	4.442	4.459	VV	193	1420	0.06%	0.014%
50	4.464	4.459	4.485	VV	181	1667	0.07%	0.016%
51	4.514	4.485	4.518	VV	174	2129	0.09%	0.020%
52	4.531	4.518	4.547	VV	190	2371	0.11%	0.023%
53	4.588	4.547	4.654	VV	1530	32228	1.43%	0.307%
54	4.666	4.654	4.688	VV	287	3955	0.18%	0.038%
55	4.698	4.688	4.715	VV	212	2446	0.11%	0.023%
56	4.720	4.715	4.725	VV	105	530	0.02%	0.005%
57	4.744	4.725	4.766	VV	857	9587	0.42%	0.091%
58	4.771	4.766	4.775	VV	195	952	0.04%	0.009%
59	4.785	4.775	4.793	VV	232	1824	0.08%	0.017%
60	4.796	4.793	4.800	VV	203	798	0.04%	0.008%
61	4.805	4.800	4.812	VV	208	1071	0.05%	0.010%
62	4.822	4.812	4.826	VV	167	1215	0.05%	0.012%
63	4.831	4.826	4.843	VV	168	1251	0.06%	0.012%
64	4.861	4.843	4.874	VV	235	3193	0.14%	0.030%
65	4.882	4.874	4.905	VV	212	3006	0.13%	0.029%
66	4.917	4.905	4.921	VV	193	1541	0.07%	0.015%
67	4.942	4.921	4.957	VV	336	5338	0.24%	0.051%
68	4.961	4.957	4.975	VV	248	2068	0.09%	0.020%
69	4.983	4.975	5.010	VV	239	3758	0.17%	0.036%
70	5.019	5.010	5.024	VV	188	1439	0.06%	0.014%
71	5.033	5.024	5.043	VV	249	2296	0.10%	0.022%
72	5.048	5.043	5.059	VV	192	1602	0.07%	0.015%
73	5.063	5.059	5.073	VV	180	1209	0.05%	0.012%
74	5.084	5.073	5.118	VV	232	4601	0.20%	0.044%
75	5.121	5.118	5.136	VV	170	1337	0.06%	0.013%
76	5.145	5.136	5.156	VV	133	1390	0.06%	0.013%
77	5.172	5.156	5.180	VV	183	2034	0.09%	0.019%
78	5.187	5.180	5.195	VV	167	1324	0.06%	0.013%
79	5.214	5.195	5.228	VV	762	9411	0.42%	0.090%
80	5.230	5.228	5.251	VV	431	4160	0.18%	0.040%
81	5.268	5.251	5.298	VV	365	7069	0.31%	0.067%
82	5.303	5.298	5.308	VV	133	769	0.03%	0.007%
83	5.328	5.308	5.342	VV	228	3555	0.16%	0.034%
84	5.359	5.342	5.377	VV	255	3878	0.17%	0.037%
85	5.394	5.377	5.420	VV	561	7394	0.33%	0.070%
86	5.428	5.420	5.433	VV	116	660	0.03%	0.006%
87	5.451	5.433	5.466	VV	170	2092	0.09%	0.020%
88	5.492	5.466	5.498	VV	201	2547	0.11%	0.024%
89	5.515	5.498	5.541	VV	1611	17815	0.79%	0.170%

					rteres			
90	5.550	5.541	5.569	VV	258	2928	0.13%	0.028%
91	5.574	5.569	5.577	VV	133	383	0.02%	0.004%
92	5.588	5.577	5.604	VV	263	2458	0.11%	0.023%
93	5.610	5.604	5.636	VV	126	1703	0.08%	0.016%
94	5.643	5.636	5.650	VV	150	886	0.04%	0.008%
95	5.654	5.650	5.685	VV	105	1121	0.05%	0.011%
96	5.745	5.685	5.802	PV	10851	124486	5.51%	1.186%
97	5.816	5.802	5.853	VV	1392	16632	0.74%	0.158%
98	5.858	5.853	5.873	VV	179	1856	0.08%	0.018%
99	5.898	5.873	5.933	VV	391	8839	0.39%	0.084%
100	5.953	5.933	5.969	VV	674	8832	0.39%	0.084%
101	5.973	5.969	5.992	VV	425	3880	0.17%	0.037%
102	6.034	5.992	6.066	VV	465	12153	0.54%	0.116%
103	6.083	6.066	6.117	VV	481	7610	0.34%	0.072%
104	6.124	6.117	6.129	VV	134	850	0.04%	0.008%
105	6.134	6.129	6.140	VV	142	771	0.03%	0.007%
106	6.145	6.140	6.149	VV	166	707	0.03%	0.007%
107	6.153	6.149	6.171	VV	142	997	0.04%	0.009%
108	6.189	6.171	6.213	VV	320	3590	0.16%	0.034%
109	6.247	6.213	6.264	VV	407	6171	0.27%	0.059%
110	6.280	6.264	6.348	VV	1206	24948	1.10%	0.238%
111	6.363	6.348	6.410	VV	1189	18607	0.82%	0.177%
112	6.432	6.410	6.444	VV	517	6843	0.30%	0.065%
113	6.463	6.444	6.477	VV	541	8072	0.36%	0.077%
114	6.484	6.477	6.495	VV	452	4116	0.18%	0.039%
115	6.510	6.495	6.524	VV	580	7260	0.32%	0.069%
116	6.544	6.524	6.560	VV	352	5995	0.27%	0.057%
117	6.580	6.560	6.621	VV	1772	25013	1.11%	0.238%
118	6.631	6.621	6.646	VV	270	3267	0.14%	0.031%
119	6.659	6.646	6.665	VV	259	2466	0.11%	0.023%
120	6.670	6.665	6.680	VV	244	1731	0.08%	0.016%
121	6.702	6.680	6.723	VV	313	5499	0.24%	0.052%
122	6.735	6.723	6.750	VV	230	2868	0.13%	0.027%
123	6.760	6.750	6.795	VV	378	6275	0.28%	0.060%
124	6.819	6.795	6.869	VV	5622	60027	2.66%	0.572%
125	6.875	6.869	6.882	VV	251	1677	0.07%	0.016%
126	6.898	6.882	6.927	VV	582	8475	0.38%	0.081%
127	6.956	6.927	6.983	VV	1228	16510	0.73%	0.157%
128	7.003	6.983	7.048	VV	1575	21966	0.97%	0.209%
129	7.069	7.048	7.090	VV	449	6365	0.28%	0.061%
130	7.094	7.090	7.106	VV	163	1168	0.05%	0.011%
131	7.111	7.106	7.120	VV	111	669	0.03%	0.006%
132	7.148	7.120	7.163	VV	273	4317	0.19%	0.041%
133	7.168	7.163	7.176	VV	108	717	0.03%	0.007%
134	7.218	7.176	7.246	VV	1016	17311	0.77%	0.165%
135	7.251	7.246	7.256	VV	321	1684	0.07%	0.016%
136	7.278	7.256	7.299	VV	503	9007	0.40%	0.086%
137	7.319	7.299	7.346	VV	397	6560	0.29%	0.062%
138	7.378	7.346	7.389	VV	410	6957	0.31%	0.066%
139	7.393	7.389	7.399	VV	275	1430	0.06%	0.014%
140	7.420	7.399	7.447	VV	1659	28217	1.25%	0.269%
141	7.465	7.447	7.501	VV	1520	28427	1.26%	0.271%

					rteres			
142	7.520	7.501	7.545	VV	603	11403	0.50%	0.109%
143	7.560	7.545	7.587	VV	590	9807	0.43%	0.093%
144	7.596	7.587	7.619	VV	285	4152	0.18%	0.040%
145	7.622	7.619	7.628	VV	200	990	0.04%	0.009%
146	7.647	7.628	7.665	VV	425	6578	0.29%	0.063%
147	7.669	7.665	7.678	VV	297	2101	0.09%	0.020%
148	7.689	7.678	7.712	VV	422	5621	0.25%	0.054%
149	7.728	7.712	7.738	VV	193	2286	0.10%	0.022%
150	7.753	7.738	7.793	VV	380	7726	0.34%	0.074%
151	7.816	7.793	7.823	VV	413	5293	0.23%	0.050%
152	7.826	7.823	7.848	VV	397	3860	0.17%	0.037%
153	7.869	7.848	7.896	VV	380	6564	0.29%	0.063%
154	7.910	7.896	7.936	VV	522	6966	0.31%	0.066%
155	7.957	7.936	7.961	PV	162	1575	0.07%	0.015%
156	7.980	7.961	8.011	VV	656	10295	0.46%	0.098%
157	8.036	8.011	8.051	VV	418	6727	0.30%	0.064%
158	8.056	8.051	8.062	VV	176	916	0.04%	0.009%
159	8.066	8.062	8.086	VV	187	1688	0.07%	0.016%
160	8.119	8.086	8.138	VV	620	13337	0.59%	0.127%
161	8.148	8.138	8.168	VV	726	8934	0.40%	0.085%
162	8.184	8.168	8.203	VV	383	5784	0.26%	0.055%
163	8.222	8.203	8.246	VV	496	7270	0.32%	0.069%
164	8.258	8.246	8.267	VV	370	3815	0.17%	0.036%
165	8.270	8.267	8.288	VV	385	4244	0.19%	0.040%
166	8.301	8.288	8.337	VV	384	8657	0.38%	0.082%
167	8.346	8.337	8.360	VV	251	2894	0.13%	0.028%
168	8.395	8.360	8.428	VV	1108	18739	0.83%	0.178%
169	8.465	8.428	8.481	VV	564	11204	0.50%	0.107%
170	8.494	8.481	8.509	VV	724	9313	0.41%	0.089%
171	8.540	8.509	8.558	VV	1582	25927	1.15%	0.247%
172	8.574	8.558	8.618	VV	1025	18491	0.82%	0.176%
173	8.622	8.618	8.627	VV	313	1510	0.07%	0.014%
174	8.630	8.627	8.639	VV	304	1964	0.09%	0.019%
175	8.648	8.639	8.652	VV	298	2067	0.09%	0.020%
176	8.673	8.652	8.709	VV	379	9406	0.42%	0.090%
177	8.737	8.709	8.760	VV	592	10702	0.47%	0.102%
178	8.767	8.760	8.782	VV	258	2580	0.11%	0.025%
179	8.805	8.782	8.832	VV	710	11199	0.50%	0.107%
180	8.863	8.832	8.892	VV	722	14048	0.62%	0.134%
181	8.908	8.892	8.920	VV	413	5093	0.23%	0.049%
182	8.938	8.920	8.958	VV	710	10496	0.46%	0.100%
183	8.971	8.958	8.992	VV	354	6051	0.27%	0.058%
184	8.998	8.992	9.002	VV	331	1710	0.08%	0.016%
185	9.046	9.002	9.067	VV	1181	22757	1.01%	0.217%
186	9.072	9.067	9.087	VV	394	4456	0.20%	0.042%
187	9.117	9.087	9.158	VV	1183	22597	1.00%	0.215%
188	9.178	9.158	9.210	VV	1474	22125	0.98%	0.211%
189	9.224	9.210	9.245	VV	542	8456	0.37%	0.081%
190	9.263	9.245	9.284	VV	382	6428	0.28%	0.061%
191	9.314	9.284	9.334	VV	586	13377	0.59%	0.127%
192	9.347	9.334	9.361	VV	444	5772	0.26%	0.055%
193	9.374	9.361	9.378	VV	324	2628	0.12%	0.025%
194	9.402	9.378	9.420	VV	1028	16291	0.72%	0.155%

					rteres			
195	9.433	9.420	9.465	VV	500	7783	0.34%	0.074%
196	9.488	9.465	9.510	VV	257	3965	0.18%	0.038%
197	9.549	9.510	9.568	VV	423	7144	0.32%	0.068%
198	9.582	9.568	9.601	VV	290	3890	0.17%	0.037%
199	9.606	9.601	9.613	VV	220	1147	0.05%	0.011%
200	9.617	9.613	9.622	VV	173	827	0.04%	0.008%
201	9.634	9.622	9.652	VV	192	2710	0.12%	0.026%
202	9.670	9.652	9.675	VV	237	2469	0.11%	0.024%
203	9.685	9.675	9.703	VV	401	5038	0.22%	0.048%
204	9.724	9.703	9.761	VV	4102	49670	2.20%	0.473%
205	9.783	9.761	9.823	VV	851	16812	0.74%	0.160%
206	9.828	9.823	9.831	VV	226	904	0.04%	0.009%
207	9.854	9.831	9.889	VV	678	12820	0.57%	0.122%
208	9.895	9.889	9.900	VV	180	1120	0.05%	0.011%
209	9.918	9.900	9.929	VV	257	3462	0.15%	0.033%
210	9.948	9.929	9.958	VV	346	4232	0.19%	0.040%
211	9.976	9.958	9.990	VV	250	3794	0.17%	0.036%
212	10.021	9.990	10.025	VV	624	8220	0.36%	0.078%
213	10.050	10.025	10.081	VV	38667	388417	17.20%	3.700%
214	10.117	10.081	10.133	VV	446	10167	0.45%	0.097%
215	10.155	10.133	10.164	VV	400	6307	0.28%	0.060%
216	10.187	10.164	10.214	VV	910	14381	0.64%	0.137%
217	10.219	10.214	10.229	VV	258	1924	0.09%	0.018%
218	10.263	10.229	10.274	VV	296	6113	0.27%	0.058%
219	10.290	10.274	10.313	VV	470	6441	0.29%	0.061%
220	10.318	10.313	10.326	VV	111	594	0.03%	0.006%
221	10.329	10.326	10.340	VV	78	446	0.02%	0.004%
222	10.356	10.340	10.392	VV	239	3222	0.14%	0.031%
223	10.394	10.392	10.406	PV	72	289	0.01%	0.003%
224	10.413	10.406	10.421	VV	79	443	0.02%	0.004%
225	10.431	10.421	10.442	VV	101	798	0.04%	0.008%
226	10.456	10.442	10.463	VV	153	1089	0.05%	0.010%
227	10.469	10.463	10.474	VV	138	634	0.03%	0.006%
228	10.485	10.474	10.495	VV	173	1305	0.06%	0.012%
229	10.524	10.495	10.552	VV	1235	15772	0.70%	0.150%
230	10.577	10.552	10.604	VV	871	13402	0.59%	0.128%
231	10.626	10.604	10.642	VV	480	7603	0.34%	0.072%
232	10.652	10.642	10.681	VV	328	4807	0.21%	0.046%
233	10.707	10.681	10.722	VV	393	6717	0.30%	0.064%
234	10.734	10.722	10.756	VV	308	5198	0.23%	0.050%
235	10.769	10.756	10.784	VV	273	3797	0.17%	0.036%
236	10.788	10.784	10.805	VV	268	2847	0.13%	0.027%
237	10.809	10.805	10.819	VV	263	1850	0.08%	0.018%
238	10.830	10.819	10.843	VV	279	3237	0.14%	0.031%
239	10.877	10.843	10.893	VV	690	11257	0.50%	0.107%
240	10.927	10.893	10.966	VV	637	14222	0.63%	0.135%
241	11.001	10.966	11.038	VV	1231	23182	1.03%	0.221%
242	11.061	11.038	11.106	VV	495	11882	0.53%	0.113%
243	11.110	11.106	11.133	VV	110	1265	0.06%	0.012%
244	11.171	11.133	11.178	VV	342	5689	0.25%	0.054%
245	11.198	11.178	11.249	VV	2757	39010	1.73%	0.372%
246	11.258	11.249	11.285	VV	261	3922	0.17%	0.037%

					rteres			
247	11.303	11.285	11.308	VV	265	2326	0.10%	0.022%
248	11.328	11.308	11.345	VV	522	6630	0.29%	0.063%
249	11.354	11.345	11.377	VV	225	2675	0.12%	0.025%
250	11.382	11.377	11.396	VV	130	1105	0.05%	0.011%
251	11.408	11.396	11.421	VV	133	1068	0.05%	0.010%
252	11.451	11.421	11.473	VV	209	3207	0.14%	0.031%
253	11.489	11.473	11.509	VV	268	3387	0.15%	0.032%
254	11.524	11.509	11.529	VV	152	946	0.04%	0.009%
255	11.535	11.529	11.543	VV	131	867	0.04%	0.008%
256	11.545	11.543	11.551	VV	119	386	0.02%	0.004%
257	11.569	11.551	11.590	VV	399	6509	0.29%	0.062%
258	11.602	11.590	11.618	VV	355	4203	0.19%	0.040%
259	11.635	11.618	11.679	VV	686	13114	0.58%	0.125%
260	11.710	11.679	11.758	VV	1179	25855	1.14%	0.246%
261	11.790	11.758	11.806	VV	588	8033	0.36%	0.077%
262	11.827	11.806	11.856	VV	555	8755	0.39%	0.083%
263	11.886	11.856	11.939	VV	2455	41195	1.82%	0.392%
264	11.943	11.939	11.963	VV	396	3672	0.16%	0.035%
265	11.983	11.963	12.002	VV	265	4508	0.20%	0.043%
266	12.015	12.002	12.028	VV	326	4075	0.18%	0.039%
267	12.048	12.028	12.069	VV	4113	51039	2.26%	0.486%
268	12.072	12.069	12.085	VV	1998	7406	0.33%	0.071%
269	12.094	12.085	12.100	VV	569	4672	0.21%	0.045%
270	12.116	12.100	12.143	VV	665	12003	0.53%	0.114%
271	12.156	12.143	12.187	VV	287	5249	0.23%	0.050%
272	12.196	12.187	12.217	VV	144	2135	0.09%	0.020%
273	12.222	12.217	12.226	VV	84	296	0.01%	0.003%
274	12.240	12.226	12.257	PV	139	1540	0.07%	0.015%
275	12.289	12.257	12.297	VV	617	7763	0.34%	0.074%
276	12.307	12.297	12.340	VV	568	10559	0.47%	0.101%
277	12.353	12.340	12.368	VV	391	5050	0.22%	0.048%
278	12.393	12.368	12.443	VV	3545	54365	2.41%	0.518%
279	12.448	12.443	12.454	VV	243	1435	0.06%	0.014%
280	12.458	12.454	12.483	VV	276	2973	0.13%	0.028%
281	12.489	12.483	12.493	VV	155	761	0.03%	0.007%
282	12.558	12.493	12.620	VV	158350	2044798	90.55%	19.478%
283	12.631	12.620	12.651	VV	1852	28751	1.27%	0.274%
284	12.661	12.651	12.698	VV	1148	25153	1.11%	0.240%
285	12.703	12.698	12.723	VV	753	10566	0.47%	0.101%
286	12.725	12.723	12.745	VV	714	8498	0.38%	0.081%
287	12.750	12.745	12.761	VV	619	5354	0.24%	0.051%
288	12.766	12.761	12.786	VV	595	8155	0.36%	0.078%
289	12.787	12.786	12.817	VV	490	7774	0.34%	0.074%
290	12.822	12.817	12.837	VV	358	3832	0.17%	0.037%
291	12.882	12.837	12.922	VV	715	24111	1.07%	0.230%
292	12.946	12.922	12.965	VV	819	13697	0.61%	0.130%
293	12.969	12.965	12.978	VV	283	1857	0.08%	0.018%
294	13.009	12.978	13.074	VV	5703	85803	3.80%	0.817%
295	13.091	13.074	13.116	VV	241	3757	0.17%	0.036%
296	13.121	13.116	13.138	VV	127	1041	0.05%	0.010%
297	13.144	13.138	13.151	VV	63	386	0.02%	0.004%
298	13.180	13.151	13.228	VV	2144	39217	1.74%	0.374%
299	13.239	13.228	13.284	VV	434	7789	0.34%	0.074%

					rteres			
300	13.299	13.284	13.320	VV	390	4623	0.20%	0.044%
301	13.344	13.320	13.381	VV	1292	22941	1.02%	0.219%
302	13.395	13.381	13.408	VV	288	3749	0.17%	0.036%
303	13.418	13.408	13.452	VV	305	5876	0.26%	0.056%
304	13.455	13.452	13.464	VV	147	995	0.04%	0.009%
305	13.476	13.464	13.489	VV	202	2227	0.10%	0.021%
306	13.509	13.489	13.524	VV	380	4476	0.20%	0.043%
307	13.530	13.524	13.533	VV	158	770	0.03%	0.007%
308	13.569	13.533	13.599	VV	11922	165323	7.32%	1.575%
309	13.620	13.599	13.718	VV	7114	163303	7.23%	1.556%
310	13.722	13.718	13.726	VV	623	2775	0.12%	0.026%
311	13.751	13.726	13.758	VV	1249	17390	0.77%	0.166%
312	13.784	13.758	13.914	VV	48374	638871	28.29%	6.086%
313	13.920	13.914	13.926	VV	453	2996	0.13%	0.029%
314	13.959	13.926	13.986	VV	600	16998	0.75%	0.162%
315	13.990	13.986	14.020	VV	380	6655	0.29%	0.063%
316	14.024	14.020	14.049	VV	325	4564	0.20%	0.043%
317	14.097	14.049	14.121	VV	3395	54715	2.42%	0.521%
318	14.146	14.121	14.186	VV	1934	32032	1.42%	0.305%
319	14.205	14.186	14.222	VV	352	5259	0.23%	0.050%
320	14.233	14.222	14.250	VV	304	4052	0.18%	0.039%
321	14.267	14.250	14.283	VV	345	5503	0.24%	0.052%
322	14.288	14.283	14.315	VV	223	2908	0.13%	0.028%
323	14.347	14.315	14.423	VV	1683	33488	1.48%	0.319%
324	14.430	14.423	14.436	VV	159	1134	0.05%	0.011%
325	14.437	14.436	14.444	VV	154	627	0.03%	0.006%
326	14.448	14.444	14.469	VV	146	1312	0.06%	0.012%
327	14.508	14.469	14.514	VV	589	7799	0.35%	0.074%
328	14.537	14.514	14.573	VV	1986	38561	1.71%	0.367%
329	14.578	14.573	14.647	VV	785	20165	0.89%	0.192%
330	14.663	14.647	14.677	VV	307	4116	0.18%	0.039%
331	14.710	14.677	14.748	VV	6648	96465	4.27%	0.919%
332	14.767	14.748	14.790	VV	1375	23974	1.06%	0.228%
333	14.806	14.790	14.849	VV	927	18115	0.80%	0.173%
334	14.864	14.849	14.894	VV	306	5089	0.23%	0.048%
335	14.927	14.894	14.958	PV	2309	33443	1.48%	0.319%
336	14.971	14.958	15.006	VV	293	5670	0.25%	0.054%
337	15.047	15.006	15.083	VV	166749	2258219	100.00%	21.511%
338	15.087	15.083	15.129	VV	2173	27914	1.24%	0.266%
339	15.136	15.129	15.163	VV	332	3844	0.17%	0.037%
340	15.213	15.163	15.228	VV	1604	26607	1.18%	0.253%
341	15.251	15.228	15.276	VV	6706	90623	4.01%	0.863%
342	15.294	15.276	15.319	VV	753	9739	0.43%	0.093%
343	15.330	15.319	15.336	VV	139	1268	0.06%	0.012%
344	15.344	15.336	15.380	VV	215	2595	0.11%	0.025%
345	15.393	15.380	15.398	PV	122	857	0.04%	0.008%
346	15.444	15.398	15.479	VV	768	18232	0.81%	0.174%
347	15.499	15.479	15.533	VV	448	8331	0.37%	0.079%
348	15.541	15.533	15.545	VV	181	1226	0.05%	0.012%
349	15.560	15.545	15.566	VV	249	2578	0.11%	0.025%
350	15.590	15.566	15.595	VV	582	7630	0.34%	0.073%
351	15.627	15.595	15.740	VV	52957	855930	37.90%	8.153%

					rters				
352	15.769	15.740	15.804	VV	8731	135194	5.99%	1.288%	
353	15.845	15.804	15.876	VV	4980	80846	3.58%	0.770%	
354	15.894	15.876	15.923	VV	729	15956	0.71%	0.152%	
355	15.937	15.923	15.957	VV	559	9405	0.42%	0.090%	
356	15.980	15.957	16.002	VV	841	15200	0.67%	0.145%	
357	16.025	16.002	16.048	VV	842	15824	0.70%	0.151%	
358	16.067	16.048	16.079	VV	576	8424	0.37%	0.080%	
359	16.095	16.079	16.111	VV	577	8269	0.37%	0.079%	
360	16.148	16.111	16.201	VV	1357	33568	1.49%	0.320%	
361	16.207	16.201	16.224	VV	169	1404	0.06%	0.013%	
362	16.272	16.224	16.306	VV	8203	110966	4.91%	1.057%	
363	16.327	16.306	16.368	VV	323	5985	0.27%	0.057%	
364	16.387	16.368	16.405	PV	238	2621	0.12%	0.025%	
365	16.415	16.405	16.420	VV	137	915	0.04%	0.009%	
366	16.423	16.420	16.436	VV	141	870	0.04%	0.008%	
367	16.465	16.436	16.481	VV	332	6763	0.30%	0.064%	
368	16.486	16.481	16.493	VV	278	1610	0.07%	0.015%	
369	16.498	16.493	16.513	VV	203	1836	0.08%	0.017%	
370	16.574	16.513	16.607	VV	1129	29891	1.32%	0.285%	
371	16.643	16.607	16.701	VV	4014	92444	4.09%	0.881%	
372	16.723	16.701	16.727	VV	1019	13941	0.62%	0.133%	
373	16.755	16.727	16.800	VV	7879	115084	5.10%	1.096%	
374	16.834	16.800	16.858	PV	1582	23350	1.03%	0.222%	
375	16.884	16.858	16.936	VV	2097	32711	1.45%	0.312%	
376	16.953	16.936	16.975	VV	342	3784	0.17%	0.036%	
377	17.020	16.975	17.027	PV	858	13528	0.60%	0.129%	
378	17.035	17.027	17.045	VV	815	8395	0.37%	0.080%	
379	17.057	17.045	17.090	VV	890	14700	0.65%	0.140%	
380	17.107	17.090	17.113	VV	472	5159	0.23%	0.049%	
381	17.121	17.113	17.137	VV	418	5841	0.26%	0.056%	
382	17.140	17.137	17.167	VV	413	6238	0.28%	0.059%	
383	17.186	17.167	17.194	VV	492	6250	0.28%	0.060%	
384	17.222	17.194	17.249	VV	7607	105816	4.69%	1.008%	
385	17.272	17.249	17.319	VV	4869	73601	3.26%	0.701%	
386	17.339	17.319	17.350	PBA	138	2057	0.09%	0.020%	
				Sum of corrected areas:		10498171			

FG102124.M Sat Nov 09 00:19:56 2024

Report of Analysis

Client:	ENTACT		Date Collected:	11/05/24	
Project:	North Point		Date Received:	11/05/24	
Client Sample ID:	EX-9-TPH-6		SDG No.:	P4721	
Lab Sample ID:	P4721-13		Matrix:	SOIL	
Analytical Method:	8015D DRO		% Solid:	83.6	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
FG014704.D	1	11/07/24 08:30	11/08/24 9:27	PB164744

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	1950	J	221	1990	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	11.4		37 - 130	57%	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_G\Data\FG110724\
Data File : FG014704.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 09:27
Operator : YP\AJ
Sample : P4721-13
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-9-TPH-6

Integration File: autoint1.e
Quant Time: Nov 09 00:04:45 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Quant Title :
QLast Update : Mon Oct 21 17:03:32 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...	15.047	1360926	11.378 ug/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

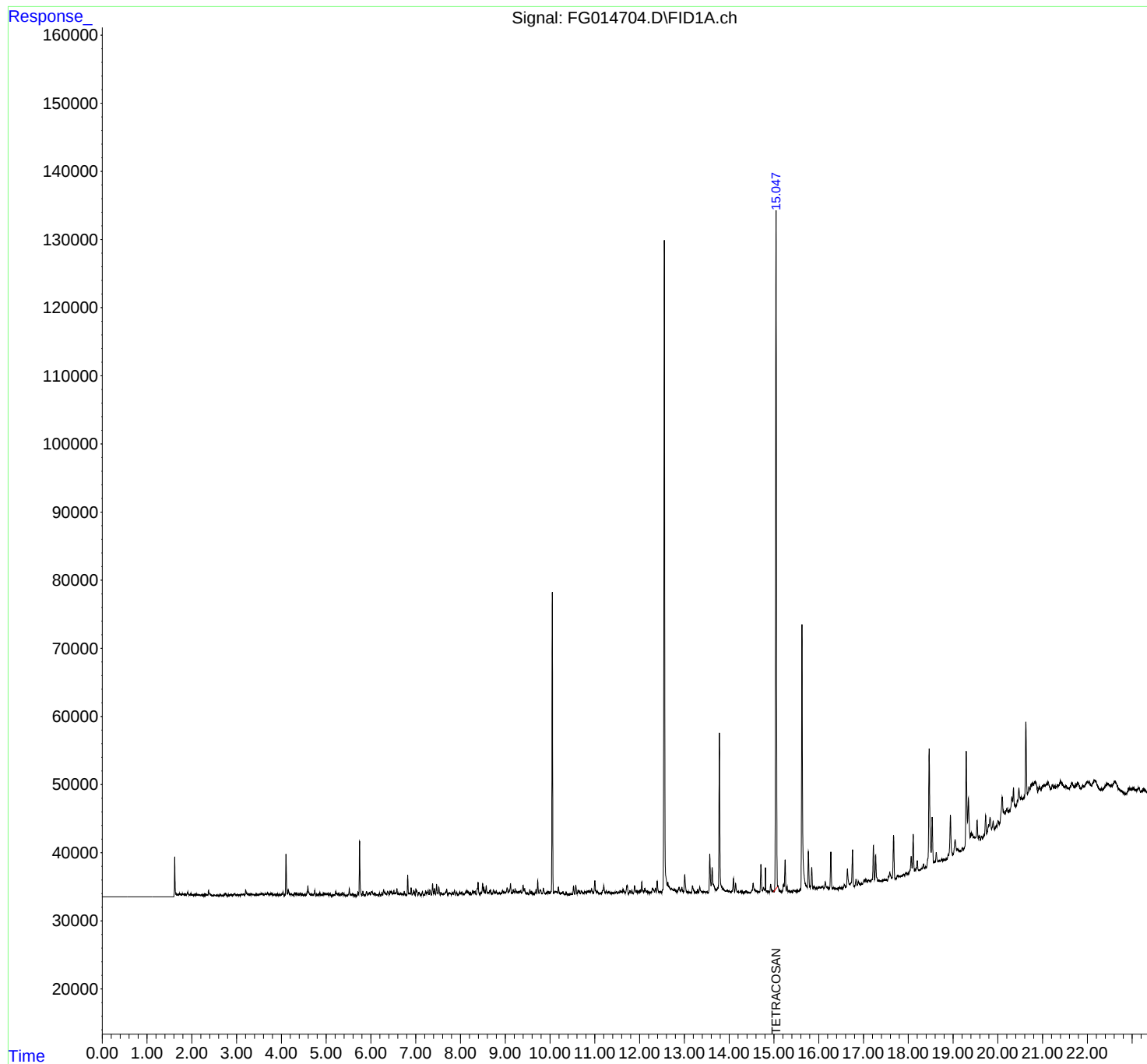
(m)=manual int.

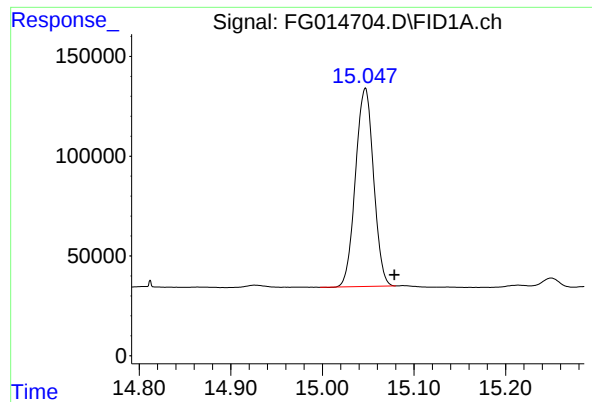
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110724\
Data File : FG014704.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 09:27
Operator : YP\AJ
Sample : P4721-13
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-9-TPH-6

Integration File: autoint1.e
Quant Time: Nov 09 00:04:45 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Quant Title :
QLast Update : Mon Oct 21 17:03:32 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.: 15.047 min
Delta R.T.: -0.032 min
Response: 1360926
Conc: 11.38 ug/ml

Instrument :
FID_G
ClientSampleId :
EX-9-TPH-6

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110724\
 Data File : FG014704.D
 Signal(s) : FID1A.ch
 Acq On : 08 Nov 2024 09:27
 Sample : P4721-13
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
 Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.243	3.229	3.259	BV	25	201	0.01%	0.003%
2	3.266	3.259	3.276	PV	56	270	0.02%	0.003%
3	3.283	3.276	3.295	PV	44	309	0.02%	0.004%
4	3.319	3.295	3.326	PV	123	1232	0.09%	0.016%
5	3.339	3.326	3.354	VV	130	1517	0.11%	0.019%
6	3.367	3.354	3.373	VV	80	604	0.04%	0.008%
7	3.378	3.373	3.389	VV	82	507	0.04%	0.007%
8	3.392	3.389	3.396	VV	44	160	0.01%	0.002%
9	3.401	3.396	3.417	VV	51	379	0.03%	0.005%
10	3.428	3.417	3.432	PV	107	474	0.03%	0.006%
11	3.438	3.432	3.442	VV	133	511	0.04%	0.007%
12	3.447	3.442	3.460	VV	110	683	0.05%	0.009%
13	3.477	3.460	3.483	VV	110	1138	0.08%	0.015%
14	3.486	3.483	3.492	VV	126	567	0.04%	0.007%
15	3.497	3.492	3.502	VV	98	506	0.04%	0.007%
16	3.548	3.502	3.556	VV	250	4785	0.35%	0.062%
17	3.559	3.556	3.591	VV	246	3613	0.26%	0.046%
18	3.594	3.591	3.599	VV	96	471	0.03%	0.006%
19	3.603	3.599	3.608	VV	150	549	0.04%	0.007%
20	3.640	3.608	3.668	VV	251	5323	0.38%	0.068%
21	3.687	3.668	3.734	VV	412	7768	0.56%	0.100%
22	3.740	3.734	3.752	VV	149	1096	0.08%	0.014%
23	3.771	3.752	3.794	VV	284	4292	0.31%	0.055%
24	3.811	3.794	3.832	VV	238	3313	0.24%	0.043%
25	3.856	3.832	3.885	VV	141	2804	0.20%	0.036%
26	3.891	3.885	3.898	VV	111	536	0.04%	0.007%
27	3.906	3.898	3.946	VV	173	3154	0.23%	0.041%
28	3.959	3.946	3.969	VV	132	1121	0.08%	0.014%
29	3.973	3.969	3.988	VV	91	397	0.03%	0.005%
30	4.009	3.988	4.015	VV	212	1987	0.14%	0.026%
31	4.033	4.015	4.069	VV	493	7304	0.53%	0.094%
32	4.103	4.069	4.132	VV	6061	64491	4.65%	0.829%
33	4.152	4.132	4.207	VV	866	15404	1.11%	0.198%
34	4.224	4.207	4.259	VV	271	4660	0.34%	0.060%
35	4.263	4.259	4.270	VV	117	497	0.04%	0.006%
36	4.275	4.270	4.280	VV	72	376	0.03%	0.005%

					rteres				
37	4.298	4.280	4.311	VV	430	4794	0.35%	0.062%	
38	4.315	4.311	4.333	VV	245	2699	0.19%	0.035%	
39	4.348	4.333	4.377	VV	412	5803	0.42%	0.075%	
40	4.383	4.377	4.396	VV	178	1711	0.12%	0.022%	
41	4.401	4.396	4.405	VV	197	821	0.06%	0.011%	
42	4.423	4.405	4.456	VV	353	5698	0.41%	0.073%	
43	4.470	4.456	4.488	VV	185	2468	0.18%	0.032%	
44	4.497	4.488	4.501	VV	105	588	0.04%	0.008%	
45	4.521	4.501	4.542	VV	199	2756	0.20%	0.035%	
46	4.547	4.542	4.553	VV	141	750	0.05%	0.010%	
47	4.592	4.553	4.610	VV	1393	20917	1.51%	0.269%	
48	4.615	4.610	4.635	VV	483	5151	0.37%	0.066%	
49	4.640	4.635	4.648	VV	242	1687	0.12%	0.022%	
50	4.652	4.648	4.665	VV	243	1621	0.12%	0.021%	
51	4.677	4.665	4.692	VV	208	2395	0.17%	0.031%	
52	4.704	4.692	4.719	VV	190	1949	0.14%	0.025%	
53	4.745	4.719	4.777	VV	780	10777	0.78%	0.139%	
54	4.784	4.777	4.790	VV	194	1018	0.07%	0.013%	
55	4.796	4.790	4.800	VV	178	914	0.07%	0.012%	
56	4.803	4.800	4.812	VV	152	942	0.07%	0.012%	
57	4.826	4.812	4.846	VV	210	2520	0.18%	0.032%	
58	4.861	4.846	4.873	VV	423	4693	0.34%	0.060%	
59	4.884	4.873	4.897	VV	259	2709	0.20%	0.035%	
60	4.919	4.897	4.931	VV	199	3192	0.23%	0.041%	
61	4.947	4.931	4.957	VV	323	4001	0.29%	0.051%	
62	4.964	4.957	4.983	VV	337	4262	0.31%	0.055%	
63	4.995	4.983	5.005	VV	293	3228	0.23%	0.041%	
64	5.035	5.005	5.053	VV	352	7456	0.54%	0.096%	
65	5.058	5.053	5.062	VV	196	733	0.05%	0.009%	
66	5.088	5.062	5.104	VV	358	5693	0.41%	0.073%	
67	5.108	5.104	5.117	VV	103	496	0.04%	0.006%	
68	5.155	5.117	5.169	VV	149	2834	0.20%	0.036%	
69	5.185	5.169	5.199	VV	204	2549	0.18%	0.033%	
70	5.215	5.199	5.233	VV	729	8467	0.61%	0.109%	
71	5.236	5.233	5.245	VV	383	2237	0.16%	0.029%	
72	5.250	5.245	5.265	VV	332	3149	0.23%	0.040%	
73	5.280	5.265	5.313	VV	407	6367	0.46%	0.082%	
74	5.331	5.313	5.347	VV	331	4516	0.33%	0.058%	
75	5.361	5.347	5.379	VV	534	6025	0.43%	0.077%	
76	5.398	5.379	5.428	VV	435	6232	0.45%	0.080%	
77	5.432	5.428	5.438	VV	71	321	0.02%	0.004%	
78	5.454	5.438	5.472	VV	101	1198	0.09%	0.015%	
79	5.488	5.472	5.502	VV	233	2818	0.20%	0.036%	
80	5.517	5.502	5.544	VV	1105	13273	0.96%	0.171%	
81	5.556	5.544	5.573	VV	301	4003	0.29%	0.051%	
82	5.590	5.573	5.607	VV	411	4782	0.35%	0.061%	
83	5.619	5.607	5.628	VV	208	1937	0.14%	0.025%	
84	5.633	5.628	5.649	VV	160	1665	0.12%	0.021%	
85	5.653	5.649	5.669	VV	159	1242	0.09%	0.016%	
86	5.674	5.669	5.678	VV	83	284	0.02%	0.004%	
87	5.683	5.678	5.689	VV	80	278	0.02%	0.004%	
88	5.710	5.689	5.722	PV	574	6788	0.49%	0.087%	
89	5.726	5.722	5.730	VV	443	1931	0.14%	0.025%	

					rteres			
90	5.747	5.730	5.801	VV	8065	89040	6.43%	1.144%
91	5.821	5.801	5.843	VV	723	8461	0.61%	0.109%
92	5.847	5.843	5.856	VV	163	1003	0.07%	0.013%
93	5.866	5.856	5.874	VV	184	1626	0.12%	0.021%
94	5.902	5.874	5.927	VV	693	12859	0.93%	0.165%
95	5.937	5.927	5.941	VV	271	1933	0.14%	0.025%
96	5.957	5.941	5.966	VV	496	5551	0.40%	0.071%
97	5.976	5.966	5.992	VV	504	5708	0.41%	0.073%
98	6.006	5.992	6.011	VV	640	5351	0.39%	0.069%
99	6.016	6.011	6.050	VV	603	11353	0.82%	0.146%
100	6.066	6.050	6.071	VV	336	3546	0.26%	0.046%
101	6.087	6.071	6.119	VV	469	8455	0.61%	0.109%
102	6.128	6.119	6.137	VV	204	1864	0.13%	0.024%
103	6.150	6.137	6.169	VV	220	3012	0.22%	0.039%
104	6.190	6.169	6.213	VV	434	5559	0.40%	0.071%
105	6.247	6.213	6.264	VV	544	7218	0.52%	0.093%
106	6.283	6.264	6.314	VV	935	16415	1.18%	0.211%
107	6.321	6.314	6.338	VV	490	5525	0.40%	0.071%
108	6.342	6.338	6.354	VV	350	2731	0.20%	0.035%
109	6.371	6.354	6.409	VV	709	14570	1.05%	0.187%
110	6.433	6.409	6.447	VV	679	11023	0.80%	0.142%
111	6.460	6.447	6.481	VV	611	9856	0.71%	0.127%
112	6.491	6.481	6.498	VV	382	3410	0.25%	0.044%
113	6.512	6.498	6.531	VV	790	10164	0.73%	0.131%
114	6.552	6.531	6.562	VV	478	7800	0.56%	0.100%
115	6.581	6.562	6.601	VV	1078	14934	1.08%	0.192%
116	6.614	6.601	6.642	VV	373	6410	0.46%	0.082%
117	6.662	6.642	6.682	VV	413	7300	0.53%	0.094%
118	6.692	6.682	6.721	VV	302	5103	0.37%	0.066%
119	6.744	6.721	6.776	VV	667	10835	0.78%	0.139%
120	6.783	6.776	6.797	VV	155	1402	0.10%	0.018%
121	6.821	6.797	6.847	VV	3055	32860	2.37%	0.422%
122	6.857	6.847	6.861	VV	396	3006	0.22%	0.039%
123	6.867	6.861	6.881	VV	374	3828	0.28%	0.049%
124	6.897	6.881	6.925	VV	1220	15217	1.10%	0.196%
125	6.959	6.925	6.987	VV	829	15887	1.15%	0.204%
126	7.006	6.987	7.017	VV	936	10734	0.77%	0.138%
127	7.026	7.017	7.048	VV	779	8751	0.63%	0.112%
128	7.074	7.048	7.084	VV	511	6968	0.50%	0.090%
129	7.088	7.084	7.102	VV	342	2587	0.19%	0.033%
130	7.111	7.102	7.124	VV	159	1625	0.12%	0.021%
131	7.150	7.124	7.170	VV	680	9536	0.69%	0.123%
132	7.175	7.170	7.188	VV	160	1442	0.10%	0.019%
133	7.221	7.188	7.247	VV	732	13029	0.94%	0.167%
134	7.276	7.247	7.299	VV	769	14807	1.07%	0.190%
135	7.317	7.299	7.348	VV	798	12649	0.91%	0.163%
136	7.377	7.348	7.403	VV	1814	25761	1.86%	0.331%
137	7.420	7.403	7.442	VV	1072	14142	1.02%	0.182%
138	7.466	7.442	7.500	VV	1668	25447	1.84%	0.327%
139	7.517	7.500	7.545	VV	1253	17387	1.25%	0.223%
140	7.566	7.545	7.584	VV	469	7194	0.52%	0.092%
141	7.592	7.584	7.613	VV	246	3560	0.26%	0.046%

					rteres			
142	7.654	7.613	7.659	VV	436	7369	0.53%	0.095%
143	7.669	7.659	7.678	VV	541	5363	0.39%	0.069%
144	7.691	7.678	7.715	VV	927	12695	0.92%	0.163%
145	7.748	7.715	7.753	VV	418	5991	0.43%	0.077%
146	7.758	7.753	7.768	VV	408	3032	0.22%	0.039%
147	7.776	7.768	7.794	VV	363	4461	0.32%	0.057%
148	7.813	7.794	7.849	VV	412	8604	0.62%	0.111%
149	7.867	7.849	7.894	VV	790	12012	0.87%	0.154%
150	7.914	7.894	7.942	VV	518	7455	0.54%	0.096%
151	7.980	7.942	8.002	VV	520	9401	0.68%	0.121%
152	8.009	8.002	8.018	VV	374	2995	0.22%	0.038%
153	8.034	8.018	8.051	VV	529	7106	0.51%	0.091%
154	8.061	8.051	8.080	VV	315	3801	0.27%	0.049%
155	8.123	8.080	8.140	VV	666	14364	1.04%	0.185%
156	8.151	8.140	8.167	VV	708	8597	0.62%	0.110%
157	8.180	8.167	8.207	VV	539	8059	0.58%	0.104%
158	8.222	8.207	8.243	VV	551	5890	0.43%	0.076%
159	8.274	8.243	8.291	VV	726	13036	0.94%	0.168%
160	8.307	8.291	8.316	VV	600	7575	0.55%	0.097%
161	8.327	8.316	8.351	VV	595	7779	0.56%	0.100%
162	8.394	8.351	8.431	VV	1915	36493	2.63%	0.469%
163	8.464	8.431	8.471	VV	440	7408	0.53%	0.095%
164	8.496	8.471	8.511	VV	1736	24573	1.77%	0.316%
165	8.522	8.511	8.547	VV	1224	16274	1.17%	0.209%
166	8.575	8.547	8.602	VV	1425	23794	1.72%	0.306%
167	8.609	8.602	8.612	VV	420	2312	0.17%	0.030%
168	8.620	8.612	8.635	VV	469	5650	0.41%	0.073%
169	8.659	8.635	8.663	VV	707	9400	0.68%	0.121%
170	8.670	8.663	8.708	VV	708	11331	0.82%	0.146%
171	8.736	8.708	8.756	VV	845	13955	1.01%	0.179%
172	8.770	8.756	8.786	VV	523	7425	0.54%	0.095%
173	8.799	8.786	8.837	VV	577	11952	0.86%	0.154%
174	8.844	8.837	8.849	VV	302	1957	0.14%	0.025%
175	8.853	8.849	8.859	VV	273	1558	0.11%	0.020%
176	8.866	8.859	8.890	VV	434	5445	0.39%	0.070%
177	8.908	8.890	8.918	VV	351	4528	0.33%	0.058%
178	8.937	8.918	8.962	VV	746	12381	0.89%	0.159%
179	8.978	8.962	8.987	VV	436	6069	0.44%	0.078%
180	9.001	8.987	9.014	VV	443	6964	0.50%	0.090%
181	9.042	9.014	9.064	VV	1111	21716	1.57%	0.279%
182	9.080	9.064	9.084	VV	591	5746	0.41%	0.074%
183	9.118	9.084	9.157	VV	1683	33949	2.45%	0.436%
184	9.178	9.157	9.199	VV	829	13515	0.98%	0.174%
185	9.222	9.199	9.242	VV	972	16048	1.16%	0.206%
186	9.261	9.242	9.278	VV	572	9333	0.67%	0.120%
187	9.299	9.278	9.310	VV	585	8759	0.63%	0.113%
188	9.320	9.310	9.334	VV	568	7279	0.53%	0.094%
189	9.347	9.334	9.362	VV	688	8667	0.63%	0.111%
190	9.398	9.362	9.419	VV	1446	27109	1.96%	0.348%
191	9.433	9.419	9.473	VV	989	16033	1.16%	0.206%
192	9.491	9.473	9.513	VV	354	5437	0.39%	0.070%
193	9.549	9.513	9.567	VV	805	11926	0.86%	0.153%
194	9.582	9.567	9.595	VV	595	6596	0.48%	0.085%

					rteres			
195	9.603	9.595	9.620	VV	305	3302	0.24%	0.042%
196	9.628	9.620	9.650	VV	294	3426	0.25%	0.044%
197	9.688	9.650	9.706	VV	854	13930	1.01%	0.179%
198	9.725	9.706	9.754	VV	2130	27370	1.98%	0.352%
199	9.782	9.754	9.816	VV	767	18959	1.37%	0.244%
200	9.822	9.816	9.827	VV	226	1434	0.10%	0.018%
201	9.852	9.827	9.903	VV	1003	20965	1.51%	0.269%
202	9.922	9.903	9.931	VV	413	4892	0.35%	0.063%
203	9.945	9.931	9.963	VV	534	7930	0.57%	0.102%
204	9.976	9.963	9.993	VV	518	7002	0.51%	0.090%
205	10.018	9.993	10.022	VV	544	6195	0.45%	0.080%
206	10.051	10.022	10.087	VV	44456	444255	32.06%	5.710%
207	10.099	10.087	10.112	VV	484	6450	0.47%	0.083%
208	10.117	10.112	10.130	VV	520	5245	0.38%	0.067%
209	10.144	10.130	10.166	VV	497	8963	0.65%	0.115%
210	10.187	10.166	10.221	VV	1172	19180	1.38%	0.247%
211	10.223	10.221	10.233	VV	216	1320	0.10%	0.017%
212	10.250	10.233	10.265	VV	309	4553	0.33%	0.059%
213	10.268	10.265	10.276	VV	267	1701	0.12%	0.022%
214	10.289	10.276	10.315	VV	507	6753	0.49%	0.087%
215	10.319	10.315	10.334	VV	124	732	0.05%	0.009%
216	10.362	10.334	10.393	VV	360	6297	0.45%	0.081%
217	10.399	10.393	10.413	VV	94	675	0.05%	0.009%
218	10.426	10.413	10.441	VV	112	1044	0.08%	0.013%
219	10.465	10.441	10.478	PV	198	2313	0.17%	0.030%
220	10.492	10.478	10.498	VV	125	1056	0.08%	0.014%
221	10.524	10.498	10.549	VV	1283	16977	1.23%	0.218%
222	10.575	10.549	10.602	VV	1280	20648	1.49%	0.265%
223	10.625	10.602	10.640	VV	700	10336	0.75%	0.133%
224	10.654	10.640	10.679	VV	563	8635	0.62%	0.111%
225	10.696	10.679	10.756	VV	608	16106	1.16%	0.207%
226	10.771	10.756	10.784	VV	460	6022	0.43%	0.077%
227	10.791	10.784	10.811	VV	422	5441	0.39%	0.070%
228	10.813	10.811	10.817	VV	456	1334	0.10%	0.017%
229	10.833	10.817	10.841	VV	517	5869	0.42%	0.075%
230	10.845	10.841	10.852	VV	449	2786	0.20%	0.036%
231	10.876	10.852	10.895	VV	642	11470	0.83%	0.147%
232	10.928	10.895	10.962	VV	832	20732	1.50%	0.266%
233	11.001	10.962	11.040	VV	2080	38999	2.81%	0.501%
234	11.048	11.040	11.061	VV	451	4970	0.36%	0.064%
235	11.065	11.061	11.102	VV	380	5612	0.41%	0.072%
236	11.122	11.102	11.127	VV	195	2432	0.18%	0.031%
237	11.147	11.127	11.156	VV	262	3788	0.27%	0.049%
238	11.175	11.156	11.185	VV	647	8124	0.59%	0.104%
239	11.201	11.185	11.235	VV	1346	20553	1.48%	0.264%
240	11.254	11.235	11.279	VV	554	10495	0.76%	0.135%
241	11.286	11.279	11.291	VV	280	1853	0.13%	0.024%
242	11.302	11.291	11.311	VV	405	4092	0.30%	0.053%
243	11.321	11.311	11.351	VV	411	7105	0.51%	0.091%
244	11.355	11.351	11.357	VV	279	932	0.07%	0.012%
245	11.361	11.357	11.375	VV	257	2142	0.15%	0.028%
246	11.381	11.375	11.390	VV	224	1665	0.12%	0.021%

					rteres			
247	11.401	11.390	11.422	VV	274	4076	0.29%	0.052%
248	11.442	11.422	11.446	VV	300	3010	0.22%	0.039%
249	11.459	11.446	11.472	VV	320	4316	0.31%	0.055%
250	11.486	11.472	11.513	VV	452	7117	0.51%	0.091%
251	11.525	11.513	11.529	VV	324	2325	0.17%	0.030%
252	11.538	11.529	11.550	VV	350	3528	0.25%	0.045%
253	11.569	11.550	11.586	VV	466	7796	0.56%	0.100%
254	11.599	11.586	11.616	VV	450	6652	0.48%	0.086%
255	11.632	11.616	11.687	VV	820	18377	1.33%	0.236%
256	11.720	11.687	11.753	VV	1343	29423	2.12%	0.378%
257	11.790	11.753	11.808	VV	528	10176	0.73%	0.131%
258	11.828	11.808	11.855	VV	608	9152	0.66%	0.118%
259	11.889	11.855	11.922	VV	1233	23041	1.66%	0.296%
260	11.925	11.922	11.957	VV	427	7193	0.52%	0.092%
261	11.982	11.957	11.994	VV	543	7769	0.56%	0.100%
262	12.013	11.994	12.025	VV	629	8029	0.58%	0.103%
263	12.049	12.025	12.087	VV	1839	30045	2.17%	0.386%
264	12.117	12.087	12.148	VV	867	19501	1.41%	0.251%
265	12.161	12.148	12.177	VV	460	6210	0.45%	0.080%
266	12.181	12.177	12.197	VV	293	2951	0.21%	0.038%
267	12.207	12.197	12.222	VV	226	2469	0.18%	0.032%
268	12.235	12.222	12.252	VV	308	4114	0.30%	0.053%
269	12.287	12.252	12.331	VV	876	25481	1.84%	0.328%
270	12.353	12.331	12.371	VV	878	13719	0.99%	0.176%
271	12.393	12.371	12.437	VV	1915	33401	2.41%	0.429%
272	12.441	12.437	12.447	VV	363	2196	0.16%	0.028%
273	12.458	12.447	12.479	VV	365	5980	0.43%	0.077%
274	12.485	12.479	12.493	VV	298	2108	0.15%	0.027%
275	12.553	12.493	12.617	VV	95832	1213458	87.58%	15.597%
276	12.632	12.617	12.651	VV	1766	28124	2.03%	0.361%
277	12.662	12.651	12.694	VV	1126	23377	1.69%	0.300%
278	12.715	12.694	12.758	VV	765	25255	1.82%	0.325%
279	12.771	12.758	12.828	VV	725	21765	1.57%	0.280%
280	12.834	12.828	12.842	VV	354	2844	0.21%	0.037%
281	12.883	12.842	12.906	VV	983	24004	1.73%	0.309%
282	12.914	12.906	12.927	VV	523	6393	0.46%	0.082%
283	12.943	12.927	12.976	VV	967	17064	1.23%	0.219%
284	13.008	12.976	13.051	VV	2795	51277	3.70%	0.659%
285	13.066	13.051	13.072	VV	302	3307	0.24%	0.043%
286	13.076	13.072	13.083	VV	251	1542	0.11%	0.020%
287	13.089	13.083	13.114	VV	249	3655	0.26%	0.047%
288	13.130	13.114	13.145	VV	222	2810	0.20%	0.036%
289	13.181	13.145	13.232	VV	1194	26747	1.93%	0.344%
290	13.236	13.232	13.257	VV	255	3012	0.22%	0.039%
291	13.260	13.257	13.275	VV	203	1489	0.11%	0.019%
292	13.296	13.275	13.320	VV	601	8070	0.58%	0.104%
293	13.342	13.320	13.381	VV	902	18791	1.36%	0.242%
294	13.384	13.381	13.410	VV	287	3973	0.29%	0.051%
295	13.421	13.410	13.430	VV	316	3240	0.23%	0.042%
296	13.433	13.430	13.437	VV	315	1304	0.09%	0.017%
297	13.441	13.437	13.457	VV	352	3314	0.24%	0.043%
298	13.465	13.457	13.487	VV	252	3498	0.25%	0.045%
299	13.507	13.487	13.525	VV	329	4463	0.32%	0.057%

					rteres			
300	13.568	13.525	13.597	VV	5826	86441	6.24%	1.111%
301	13.621	13.597	13.648	VV	3788	68198	4.92%	0.877%
302	13.652	13.648	13.689	VV	1359	23355	1.69%	0.300%
303	13.696	13.689	13.716	VV	675	9542	0.69%	0.123%
304	13.751	13.716	13.757	VV	929	16528	1.19%	0.212%
305	13.782	13.757	13.876	VV	23572	331389	23.92%	4.260%
306	13.879	13.876	13.921	VV	615	11743	0.85%	0.151%
307	13.941	13.921	13.946	VV	404	5267	0.38%	0.068%
308	13.961	13.946	13.983	VV	533	8944	0.65%	0.115%
309	13.991	13.983	13.995	VV	352	2099	0.15%	0.027%
310	14.001	13.995	14.007	VV	365	2404	0.17%	0.031%
311	14.012	14.007	14.023	VV	344	2598	0.19%	0.033%
312	14.029	14.023	14.047	VV	307	3119	0.23%	0.040%
313	14.096	14.047	14.120	VV	2195	36150	2.61%	0.465%
314	14.144	14.120	14.189	VV	1475	25597	1.85%	0.329%
315	14.203	14.189	14.219	VV	265	3564	0.26%	0.046%
316	14.240	14.219	14.245	VV	197	2367	0.17%	0.030%
317	14.267	14.245	14.287	VV	244	4663	0.34%	0.060%
318	14.290	14.287	14.313	VV	206	1688	0.12%	0.022%
319	14.364	14.313	14.369	PV	264	4484	0.32%	0.058%
320	14.376	14.369	14.382	VV	306	1904	0.14%	0.024%
321	14.389	14.382	14.422	VV	302	3681	0.27%	0.047%
322	14.433	14.422	14.447	VV	116	1281	0.09%	0.016%
323	14.451	14.447	14.471	VV	92	811	0.06%	0.010%
324	14.504	14.471	14.515	PV	424	5832	0.42%	0.075%
325	14.535	14.515	14.572	VV	1427	27481	1.98%	0.353%
326	14.578	14.572	14.588	VV	464	3995	0.29%	0.051%
327	14.593	14.588	14.600	VV	368	2283	0.16%	0.029%
328	14.604	14.600	14.648	VV	357	6917	0.50%	0.089%
329	14.659	14.648	14.678	VV	255	3023	0.22%	0.039%
330	14.710	14.678	14.747	VV	4185	60739	4.38%	0.781%
331	14.765	14.747	14.790	VV	770	14194	1.02%	0.182%
332	14.812	14.790	14.829	VV	3726	14994	1.08%	0.193%
333	14.834	14.829	14.845	VV	264	1997	0.14%	0.026%
334	14.863	14.845	14.895	VV	301	5539	0.40%	0.071%
335	14.926	14.895	14.955	VV	1269	19489	1.41%	0.250%
336	14.959	14.955	14.965	VV	242	1303	0.09%	0.017%
337	14.971	14.965	14.991	VV	248	3296	0.24%	0.042%
338	14.993	14.991	15.007	VV	234	1603	0.12%	0.021%
339	15.047	15.007	15.081	VV	99998	1385609	100.00%	17.810%
340	15.088	15.081	15.127	VV	991	15094	1.09%	0.194%
341	15.137	15.127	15.158	VV	290	3620	0.26%	0.047%
342	15.161	15.158	15.172	VV	126	726	0.05%	0.009%
343	15.178	15.172	15.183	VV	142	878	0.06%	0.011%
344	15.214	15.183	15.227	VV	1235	18591	1.34%	0.239%
345	15.250	15.227	15.277	VV	4800	64882	4.68%	0.834%
346	15.295	15.277	15.315	VV	866	10975	0.79%	0.141%
347	15.326	15.315	15.330	VV	184	1214	0.09%	0.016%
348	15.334	15.330	15.376	VV	170	3239	0.23%	0.042%
349	15.391	15.376	15.415	VV	140	2005	0.14%	0.026%
350	15.444	15.415	15.470	PV	325	5467	0.39%	0.070%
351	15.476	15.470	15.483	VV	183	1059	0.08%	0.014%

					rteres			
352	15.491	15.483	15.510	VV	182	2250	0.16%	0.029%
353	15.520	15.510	15.531	VV	161	1638	0.12%	0.021%
354	15.536	15.531	15.540	VV	153	631	0.05%	0.008%
355	15.587	15.540	15.596	VV	342	6994	0.50%	0.090%
356	15.626	15.596	15.744	VV	39193	606020	43.74%	7.790%
357	15.769	15.744	15.809	VV	5827	91974	6.64%	1.182%
358	15.844	15.809	15.876	VV	3442	57287	4.13%	0.736%
359	15.898	15.876	15.935	VV	610	16307	1.18%	0.210%
360	15.941	15.935	15.965	VV	330	5501	0.40%	0.071%
361	15.981	15.965	15.997	VV	510	7988	0.58%	0.103%
362	16.002	15.997	16.007	VV	416	2366	0.17%	0.030%
363	16.025	16.007	16.036	VV	451	7202	0.52%	0.093%
364	16.067	16.036	16.075	VV	509	9806	0.71%	0.126%
365	16.092	16.075	16.112	VV	570	10139	0.73%	0.130%
366	16.147	16.112	16.215	VV	1126	32056	2.31%	0.412%
367	16.226	16.215	16.230	VV	274	2034	0.15%	0.026%
368	16.234	16.230	16.243	VV	272	1740	0.13%	0.022%
369	16.272	16.243	16.303	VV	5564	76485	5.52%	0.983%
370	16.309	16.303	16.313	VV	194	984	0.07%	0.013%
371	16.334	16.313	16.374	VV	278	6717	0.48%	0.086%
372	16.397	16.374	16.410	VV	135	1689	0.12%	0.022%
373	16.414	16.410	16.417	VV	112	322	0.02%	0.004%
374	16.422	16.417	16.435	VV	108	677	0.05%	0.009%
375	16.441	16.435	16.443	PV	124	436	0.03%	0.006%
376	16.463	16.443	16.481	VV	248	3608	0.26%	0.046%
377	16.487	16.481	16.510	VV	109	1057	0.08%	0.014%
378	16.571	16.510	16.603	VV	557	10697	0.77%	0.137%
379	16.642	16.603	16.700	VV	2773	55011	3.97%	0.707%
380	16.756	16.700	16.787	VV	5435	85876	6.20%	1.104%
381	16.833	16.787	16.859	PV	1004	14651	1.06%	0.188%
382	16.886	16.859	16.909	VV	650	9783	0.71%	0.126%
383	16.916	16.909	16.935	VV	170	1802	0.13%	0.023%
384	16.956	16.935	16.974	VV	257	2997	0.22%	0.039%
385	17.009	16.974	17.013	VV	633	7707	0.56%	0.099%
386	17.018	17.013	17.041	VV	634	9662	0.70%	0.124%
387	17.051	17.041	17.079	VV	693	11801	0.85%	0.152%
388	17.113	17.079	17.142	VV	489	14106	1.02%	0.181%
389	17.153	17.142	17.168	VV	387	5215	0.38%	0.067%
390	17.188	17.168	17.195	VV	473	6201	0.45%	0.080%
391	17.223	17.195	17.250	VV	5381	77160	5.57%	0.992%
392	17.272	17.250	17.332	VV	3920	57587	4.16%	0.740%
Sum of corrected areas:					7779951			

FG102124.M Sat Nov 09 00:20:25 2024

Report of Analysis

Client:	ENTACT	Date Collected:	11/05/24
Project:	North Point	Date Received:	11/05/24
Client Sample ID:	EX-9-TPH-7	SDG No.:	P4721
Lab Sample ID:	P4721-14	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	86.8
Sample Wt/Vol:	30.01	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
FG014707.D	200	11/07/24 08:30	11/08/24 10:52	PB164744

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	2970000		42600	384000	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_G\Data\FG110724\
Data File : FG014707.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 10:52
Operator : YP\AJ
Sample : P4721-14 200X
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-9-TPH-7

Integration File: autoint1.e
Quant Time: Nov 09 00:05:11 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Quant Title :
QLast Update : Mon Oct 21 17:03:32 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

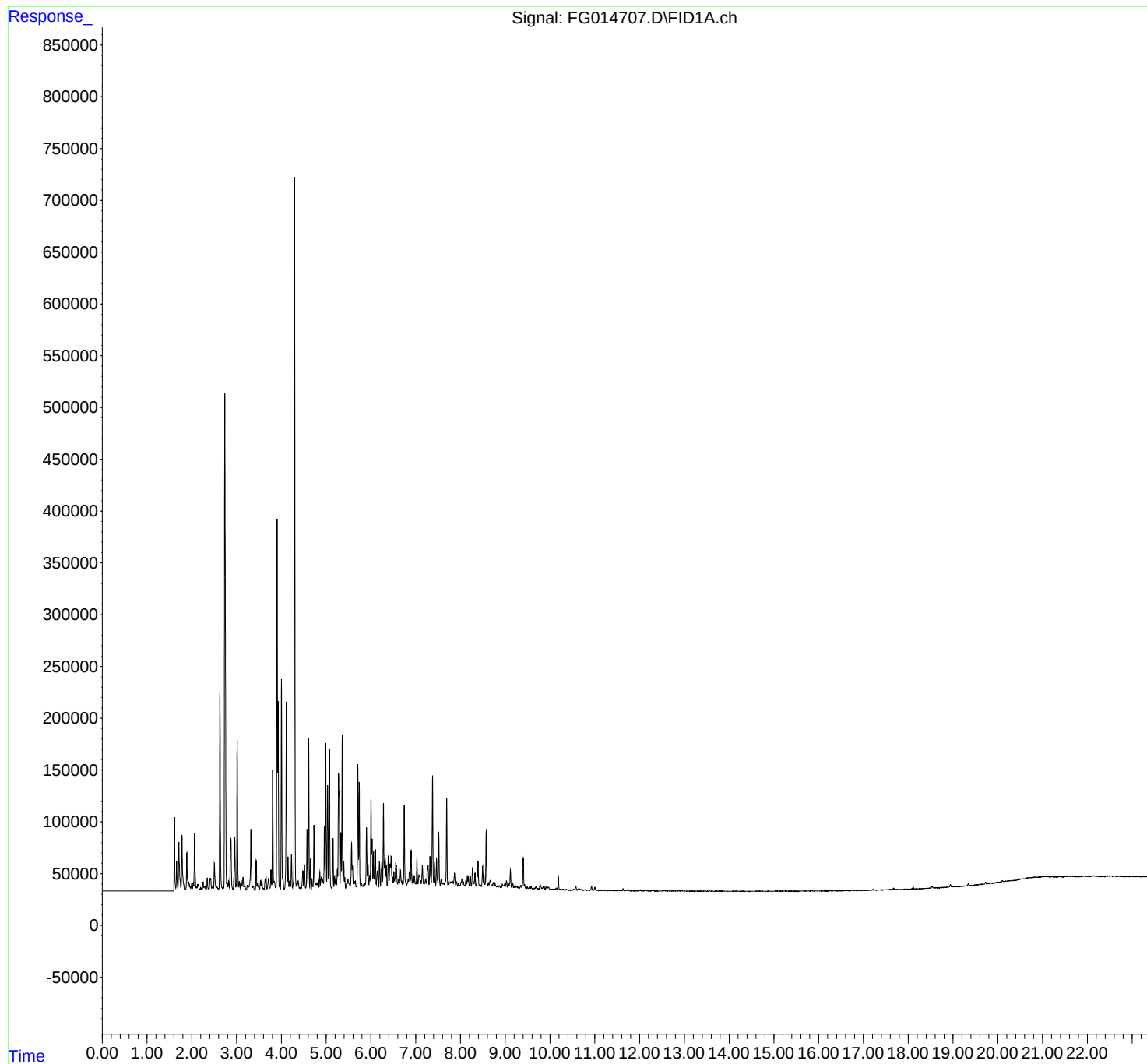
(m)=manual int.

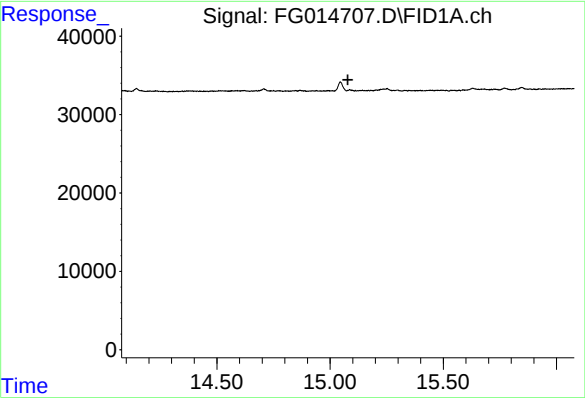
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110724\
Data File : FG014707.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 10:52
Operator : YP\AJ
Sample : P4721-14 200X
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-9-TPH-7

Integration File: autoint1.e
Quant Time: Nov 09 00:05:11 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Quant Title :
QLast Update : Mon Oct 21 17:03:32 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.: 15.079 min
Response: 0
Conc: N.D.

Instrument :
FID_G
ClientSampleId :
EX-9-TPH-7

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110724\
Data File : FG014707.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 10:52
Sample : P4721-14 200X
Misc :
ALS Vial : 66 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.515	4.499	4.541	VV	24938	296849	19.28%	0.586%
2	4.574	4.541	4.592	VV	59146	656696	42.65%	1.297%
3	4.611	4.592	4.633	VV	146510	1451134	94.24%	2.866%
4	4.651	4.633	4.670	VV	30538	320416	20.81%	0.633%
5	4.685	4.670	4.707	VV	10301	131400	8.53%	0.260%
6	4.728	4.707	4.777	VV	62956	786952	51.11%	1.554%
7	4.799	4.777	4.811	VV	7522	131246	8.52%	0.259%
8	4.828	4.811	4.843	VV	10205	135559	8.80%	0.268%
9	4.859	4.843	4.874	VV	18212	199054	12.93%	0.393%
10	4.894	4.874	4.906	VV	12237	194540	12.63%	0.384%
11	4.919	4.906	4.943	VV	10787	195921	12.72%	0.387%
12	4.962	4.943	4.975	VV	62491	645381	41.91%	1.275%
13	4.991	4.975	5.012	VV	141825	1485362	96.46%	2.934%
14	5.033	5.012	5.055	VV	101450	1326153	86.13%	2.619%
15	5.073	5.055	5.122	VV	136794	1539797	100.00%	3.041%
16	5.155	5.122	5.174	VV	50509	561765	36.48%	1.109%
17	5.189	5.174	5.206	VV	14042	183717	11.93%	0.363%
18	5.219	5.206	5.233	VV	10611	128268	8.33%	0.253%
19	5.251	5.233	5.260	VV	20215	220745	14.34%	0.436%
20	5.278	5.260	5.287	VV	112883	1171558	76.09%	2.314%
21	5.291	5.287	5.311	VV	95945	814428	52.89%	1.608%
22	5.330	5.311	5.344	VV	56097	636680	41.35%	1.257%
23	5.360	5.344	5.380	VV	150287	1501382	97.51%	2.965%
24	5.394	5.380	5.409	VV	28200	318547	20.69%	0.629%
25	5.417	5.409	5.436	VV	12256	126551	8.22%	0.250%
26	5.462	5.436	5.470	VV	7285	113286	7.36%	0.224%
27	5.487	5.470	5.507	VV	10467	193618	12.57%	0.382%
28	5.514	5.507	5.529	VV	7128	81985	5.32%	0.162%
29	5.534	5.529	5.541	VV	5245	35417	2.30%	0.070%
30	5.568	5.541	5.582	VV	46105	575218	37.36%	1.136%
31	5.590	5.582	5.609	VV	23367	255510	16.59%	0.505%
32	5.632	5.609	5.642	VV	8534	144376	9.38%	0.285%
33	5.654	5.642	5.671	VV	9202	114225	7.42%	0.226%
34	5.709	5.671	5.726	VV	121489	1486132	96.51%	2.935%
35	5.740	5.726	5.773	VV	104843	1147769	74.54%	2.267%
36	5.787	5.773	5.824	VV	7137	161367	10.48%	0.319%

rteres								
37	5.841	5.824	5.853	VV	5742	85569	5.56%	0.169%
38	5.866	5.853	5.874	VV	6401	71975	4.67%	0.142%
39	5.903	5.874	5.925	VV	60730	830811	53.96%	1.641%
40	5.937	5.925	5.954	VV	25546	287060	18.64%	0.567%
41	5.975	5.954	5.985	VV	14659	199873	12.98%	0.395%
42	6.003	5.985	6.017	VV	89016	987496	64.13%	1.950%
43	6.027	6.017	6.045	VV	49913	563444	36.59%	1.113%
44	6.059	6.045	6.075	VV	37662	415707	27.00%	0.821%
45	6.100	6.075	6.118	VV	39759	526484	34.19%	1.040%
46	6.147	6.118	6.170	VV	18920	376749	24.47%	0.744%
47	6.191	6.170	6.213	VV	28377	396656	25.76%	0.783%
48	6.246	6.213	6.263	VV	27724	526349	34.18%	1.040%
49	6.280	6.263	6.299	VV	84337	949316	61.65%	1.875%
50	6.319	6.299	6.333	VV	31343	525861	34.15%	1.039%
51	6.344	6.333	6.363	VV	23706	271441	17.63%	0.536%
52	6.389	6.363	6.407	VV	33591	480689	31.22%	0.949%
53	6.425	6.407	6.439	VV	25852	383332	24.89%	0.757%
54	6.452	6.439	6.477	VV	32949	496501	32.24%	0.981%
55	6.484	6.477	6.499	VV	12939	144632	9.39%	0.286%
56	6.513	6.499	6.527	VV	18082	218491	14.19%	0.432%
57	6.556	6.527	6.597	VV	26710	669842	43.50%	1.323%
58	6.618	6.597	6.639	VV	11338	219325	14.24%	0.433%
59	6.660	6.639	6.681	VV	19721	319533	20.75%	0.631%
60	6.689	6.681	6.707	VV	9314	124841	8.11%	0.247%
61	6.714	6.707	6.720	VV	6464	47638	3.09%	0.094%
62	6.744	6.720	6.794	VV	82699	1095689	71.16%	2.164%
63	6.833	6.794	6.843	VV	10994	231360	15.03%	0.457%
64	6.861	6.843	6.880	VV	18266	319082	20.72%	0.630%
65	6.898	6.880	6.923	VV	38966	541633	35.18%	1.070%
66	6.943	6.923	6.960	VV	16001	274482	17.83%	0.542%
67	6.972	6.960	6.989	VV	13622	178691	11.60%	0.353%
68	6.994	6.989	7.007	VV	7525	76100	4.94%	0.150%
69	7.027	7.007	7.049	VV	30019	397476	25.81%	0.785%
70	7.073	7.049	7.103	VV	14987	381183	24.76%	0.753%
71	7.108	7.103	7.122	VV	9654	99509	6.46%	0.197%
72	7.149	7.122	7.177	VV	24141	435292	28.27%	0.860%
73	7.187	7.177	7.201	VV	8264	109109	7.09%	0.215%
74	7.220	7.201	7.239	VV	11096	201773	13.10%	0.398%
75	7.261	7.239	7.266	VV	21233	238560	15.49%	0.471%
76	7.276	7.266	7.297	VV	24145	312739	20.31%	0.618%
77	7.319	7.297	7.347	VV	33067	510017	33.12%	1.007%
78	7.376	7.347	7.405	VV	111023	1444756	93.83%	2.853%
79	7.423	7.405	7.445	VV	25549	336059	21.82%	0.664%
80	7.467	7.445	7.495	VV	31907	472975	30.72%	0.934%
81	7.515	7.495	7.547	VV	56742	725683	47.13%	1.433%
82	7.567	7.547	7.582	VV	10525	166809	10.83%	0.329%
83	7.592	7.582	7.604	VV	7246	86732	5.63%	0.171%
84	7.615	7.604	7.632	VV	7250	112422	7.30%	0.222%
85	7.692	7.632	7.718	VV	89410	1219869	79.22%	2.409%
86	7.745	7.718	7.770	VV	9077	240321	15.61%	0.475%
87	7.782	7.770	7.794	VV	8694	113537	7.37%	0.224%
88	7.800	7.794	7.803	VV	7905	44056	2.86%	0.087%
89	7.817	7.803	7.843	VV	9126	195224	12.68%	0.386%

					rteres			
90	7.868	7.843	7.894	VV	16901	332632	21.60%	0.657%
91	7.914	7.894	7.938	VV	8740	176328	11.45%	0.348%
92	7.956	7.938	7.974	VV	7449	129283	8.40%	0.255%
93	7.986	7.974	7.994	VV	5359	59286	3.85%	0.117%
94	8.033	7.994	8.050	VV	11104	276034	17.93%	0.545%
95	8.063	8.050	8.102	VV	8811	199270	12.94%	0.394%
96	8.122	8.102	8.137	VV	10204	161601	10.49%	0.319%
97	8.155	8.137	8.168	VV	14565	208263	13.53%	0.411%
98	8.179	8.168	8.199	VV	13340	170723	11.09%	0.337%
99	8.222	8.199	8.242	VV	14103	224155	14.56%	0.443%
100	8.270	8.242	8.297	VV	22467	401958	26.10%	0.794%
101	8.325	8.297	8.347	VV	17131	287996	18.70%	0.569%
102	8.373	8.347	8.378	VV	14815	168827	10.96%	0.333%
103	8.393	8.378	8.430	VV	28990	437754	28.43%	0.865%
104	8.444	8.430	8.467	VV	5681	114035	7.41%	0.225%
105	8.495	8.467	8.511	VV	23552	334384	21.72%	0.660%
106	8.523	8.511	8.546	VV	16891	232465	15.10%	0.459%
107	8.575	8.546	8.601	VV	57739	738885	47.99%	1.459%
108	8.623	8.601	8.637	VV	7825	140277	9.11%	0.277%
109	8.668	8.637	8.705	VV	10151	303316	19.70%	0.599%
110	8.733	8.705	8.754	VV	7857	178062	11.56%	0.352%
111	8.772	8.754	8.809	VV	7856	180550	11.73%	0.357%
112	8.823	8.809	8.840	VV	4929	78479	5.10%	0.155%
113	8.867	8.840	8.891	VV	4979	126022	8.18%	0.249%
114	8.904	8.891	8.918	VV	4103	57492	3.73%	0.114%
115	8.936	8.918	8.962	VV	6376	133080	8.64%	0.263%
116	8.996	8.962	9.013	VV	7567	184041	11.95%	0.363%
117	9.029	9.013	9.054	VV	9742	165453	10.75%	0.327%
118	9.071	9.054	9.087	VV	7519	116226	7.55%	0.230%
119	9.116	9.087	9.142	VV	20178	327118	21.24%	0.646%
120	9.169	9.142	9.188	VV	7730	136030	8.83%	0.269%
121	9.198	9.188	9.205	VV	3505	34768	2.26%	0.069%
122	9.222	9.205	9.243	VV	5863	102425	6.65%	0.202%
123	9.261	9.243	9.281	VV	4511	87146	5.66%	0.172%
124	9.294	9.281	9.315	VV	3708	63498	4.12%	0.125%
125	9.348	9.315	9.364	VV	5427	113727	7.39%	0.225%
126	9.403	9.364	9.424	VV	31466	454997	29.55%	0.899%
127	9.433	9.424	9.469	VV	6483	109152	7.09%	0.216%
128	9.490	9.469	9.512	VV	3904	76606	4.98%	0.151%
129	9.550	9.512	9.567	VV	4980	109915	7.14%	0.217%
130	9.582	9.567	9.602	VV	4149	63363	4.12%	0.125%
131	9.606	9.602	9.620	VV	2255	23191	1.51%	0.046%
132	9.637	9.620	9.653	VV	2379	42943	2.79%	0.085%
133	9.687	9.653	9.723	VV	4741	120702	7.84%	0.238%
134	9.734	9.723	9.748	VV	2120	30170	1.96%	0.060%
135	9.779	9.748	9.813	VV	6011	145828	9.47%	0.288%
136	9.825	9.813	9.834	VV	2717	32675	2.12%	0.065%
137	9.856	9.834	9.860	VV	4576	58342	3.79%	0.115%
138	9.867	9.860	9.888	VV	4773	60467	3.93%	0.119%
139	9.913	9.888	9.933	VV	4091	78208	5.08%	0.154%
140	9.949	9.933	9.956	VV	3371	40075	2.60%	0.079%
141	9.966	9.956	9.995	VV	3569	63681	4.14%	0.126%

rteres								
142	10.018	9.995	10.038	VV	1707	39361	2.56%	0.078%
143	10.055	10.038	10.078	VV	1764	35142	2.28%	0.069%
144	10.100	10.078	10.118	VV	1915	38806	2.52%	0.077%
145	10.145	10.118	10.164	VV	2837	58917	3.83%	0.116%
146	10.186	10.164	10.210	VV	13266	168144	10.92%	0.332%
147	10.218	10.210	10.235	VV	1595	20859	1.35%	0.041%
148	10.252	10.235	10.275	VV	1559	34614	2.25%	0.068%
149	10.293	10.275	10.332	VV	1637	42275	2.75%	0.083%
150	10.360	10.332	10.392	VV	1549	42233	2.74%	0.083%
151	10.397	10.392	10.412	VV	963	11049	0.72%	0.022%
152	10.416	10.412	10.441	VV	965	14106	0.92%	0.028%
153	10.464	10.441	10.500	VV	1064	28258	1.84%	0.056%
154	10.519	10.500	10.529	VV	1484	20778	1.35%	0.041%
155	10.535	10.529	10.552	VV	1434	18013	1.17%	0.036%
156	10.577	10.552	10.607	VV	4513	77072	5.01%	0.152%
157	10.628	10.607	10.640	VV	1918	28779	1.87%	0.057%
158	10.658	10.640	10.682	VV	2168	42837	2.78%	0.085%
159	10.696	10.682	10.710	VV	1667	23034	1.50%	0.045%
160	10.721	10.710	10.744	VV	1397	20840	1.35%	0.041%
161	10.773	10.744	10.812	VV	1256	34716	2.25%	0.069%
162	10.839	10.812	10.846	VV	950	16602	1.08%	0.033%
163	10.854	10.846	10.885	VV	997	19054	1.24%	0.038%
164	10.927	10.885	10.960	VV	4891	83326	5.41%	0.165%
165	11.001	10.960	11.048	VV	3669	79068	5.13%	0.156%
166	11.052	11.048	11.089	VV	675	11738	0.76%	0.023%
167	11.119	11.089	11.125	VV	496	8490	0.55%	0.017%
168	11.137	11.125	11.157	VV	511	8628	0.56%	0.017%
169	11.176	11.157	11.202	VV	1293	20844	1.35%	0.041%
170	11.208	11.202	11.227	VV	464	6382	0.41%	0.013%
171	11.252	11.227	11.291	VV	795	23330	1.52%	0.046%
172	11.320	11.291	11.338	VV	855	17397	1.13%	0.034%
173	11.348	11.338	11.364	VV	547	7697	0.50%	0.015%
174	11.387	11.364	11.416	VV	600	14172	0.92%	0.028%
175	11.421	11.416	11.424	VV	367	1539	0.10%	0.003%
176	11.437	11.424	11.460	VV	482	8698	0.56%	0.017%
177	11.485	11.460	11.511	VV	755	15183	0.99%	0.030%
178	11.537	11.511	11.555	VV	581	12369	0.80%	0.024%
179	11.573	11.555	11.596	VV	673	12266	0.80%	0.024%
180	11.631	11.596	11.680	VV	2400	43138	2.80%	0.085%
181	11.723	11.680	11.762	VV	1397	33115	2.15%	0.065%
182	11.775	11.762	11.807	VV	399	7375	0.48%	0.015%
183	11.832	11.807	11.855	VV	530	8846	0.57%	0.017%
184	11.874	11.855	11.892	VV	330	5173	0.34%	0.010%
185	11.919	11.892	11.941	VV	337	8832	0.57%	0.017%
186	11.946	11.941	11.958	VV	373	3263	0.21%	0.006%
187	11.983	11.958	11.997	VV	925	13817	0.90%	0.027%
188	12.013	11.997	12.055	VV	1061	18254	1.19%	0.036%
189	12.072	12.055	12.098	VV	412	7613	0.49%	0.015%
190	12.118	12.098	12.150	VV	795	15839	1.03%	0.031%
191	12.162	12.150	12.210	VV	614	11595	0.75%	0.023%
192	12.245	12.210	12.253	VV	262	5044	0.33%	0.010%
193	12.302	12.253	12.336	VV	1668	33198	2.16%	0.066%
194	12.350	12.336	12.369	VV	278	4808	0.31%	0.009%

					rteres			
195	12.383	12.369	12.397	VV	261	3441	0.22%	0.007%
196	12.403	12.397	12.407	VV	183	987	0.06%	0.002%
197	12.428	12.407	12.447	VV	246	5136	0.33%	0.010%
198	12.453	12.447	12.480	VV	376	4666	0.30%	0.009%
199	12.484	12.480	12.499	VV	235	2144	0.14%	0.004%
200	12.517	12.499	12.527	VV	275	3594	0.23%	0.007%
201	12.548	12.527	12.594	VV	1044	21569	1.40%	0.043%
202	12.602	12.594	12.618	VV	356	4537	0.29%	0.009%
203	12.633	12.618	12.647	VV	292	4600	0.30%	0.009%
204	12.653	12.647	12.655	VV	229	967	0.06%	0.002%
205	12.667	12.655	12.679	VV	287	3233	0.21%	0.006%
206	12.682	12.679	12.687	VV	252	1114	0.07%	0.002%
207	12.692	12.687	12.702	VV	220	1795	0.12%	0.004%
208	12.716	12.702	12.746	VV	342	7119	0.46%	0.014%
209	12.773	12.746	12.819	VV	536	11513	0.75%	0.023%
210	12.858	12.819	12.862	VV	315	5037	0.33%	0.010%
211	12.884	12.862	12.903	VV	577	9243	0.60%	0.018%
212	12.916	12.903	12.920	VV	368	2870	0.19%	0.006%
213	12.944	12.920	12.978	VV	1170	18594	1.21%	0.037%
214	13.001	12.978	13.054	VV	379	8528	0.55%	0.017%
215	13.059	13.054	13.077	VV	131	1145	0.07%	0.002%
216	13.081	13.077	13.084	VV	132	434	0.03%	0.001%
217	13.092	13.084	13.113	VV	146	1982	0.13%	0.004%
218	13.118	13.113	13.138	VV	146	1434	0.09%	0.003%
219	13.165	13.138	13.179	VV	144	2044	0.13%	0.004%
220	13.194	13.179	13.233	VV	144	3657	0.24%	0.007%
221	13.240	13.233	13.247	VV	107	694	0.05%	0.001%
222	13.250	13.247	13.255	VV	79	346	0.02%	0.001%
223	13.262	13.255	13.280	VV	117	919	0.06%	0.002%
224	13.299	13.280	13.330	VV	257	4200	0.27%	0.008%
225	13.335	13.330	13.338	VV	128	425	0.03%	0.001%
226	13.341	13.338	13.350	VV	115	602	0.04%	0.001%
227	13.356	13.350	13.367	VV	132	860	0.06%	0.002%
228	13.370	13.367	13.379	VV	118	521	0.03%	0.001%
229	13.386	13.379	13.392	VV	105	605	0.04%	0.001%
230	13.397	13.392	13.422	VV	113	1410	0.09%	0.003%
231	13.445	13.422	13.455	VV	224	2951	0.19%	0.006%
232	13.461	13.455	13.492	VV	157	1999	0.13%	0.004%
233	13.505	13.492	13.534	VV	184	1929	0.13%	0.004%
234	13.558	13.534	13.615	PV	687	13756	0.89%	0.027%
235	13.630	13.615	13.652	VV	235	3241	0.21%	0.006%
236	13.657	13.652	13.667	VV	81	556	0.04%	0.001%
237	13.672	13.667	13.677	VV	127	390	0.03%	0.001%
238	13.691	13.677	13.704	VV	153	1891	0.12%	0.004%
239	13.710	13.704	13.714	VV	145	686	0.04%	0.001%
240	13.729	13.714	13.753	VV	231	3010	0.20%	0.006%
241	13.788	13.753	13.824	VV	371	8456	0.55%	0.017%
242	13.827	13.824	13.831	VV	170	688	0.04%	0.001%
243	13.837	13.831	13.846	VV	213	1357	0.09%	0.003%
244	13.856	13.846	13.867	VV	163	1529	0.10%	0.003%
245	13.883	13.867	13.909	VV	227	3798	0.25%	0.008%
246	13.915	13.909	13.927	VV	98	877	0.06%	0.002%

					rteres			
247	13.962	13.927	13.983	VV	244	4192	0.27%	0.008%
248	13.993	13.983	14.018	VV	220	2640	0.17%	0.005%
249	14.025	14.018	14.074	VV	110	2662	0.17%	0.005%
250	14.078	14.074	14.082	VV	154	609	0.04%	0.001%
251	14.094	14.082	14.099	VV	142	1272	0.08%	0.003%
252	14.102	14.099	14.123	VV	98	1027	0.07%	0.002%
253	14.145	14.123	14.187	VV	424	6664	0.43%	0.013%
254	14.205	14.187	14.211	VV	95	992	0.06%	0.002%
255	14.230	14.211	14.254	VV	120	1759	0.11%	0.003%
256	14.264	14.254	14.287	VV	74	674	0.04%	0.001%
257	14.291	14.287	14.304	VV	57	290	0.02%	0.001%
258	14.307	14.304	14.312	PV	89	211	0.01%	0.000%
259	14.325	14.312	14.340	VV	57	589	0.04%	0.001%
260	14.347	14.340	14.409	VV	104	3097	0.20%	0.006%
261	14.426	14.409	14.436	VV	46	939	0.06%	0.002%
262	14.513	14.436	14.552	VV	113	4869	0.32%	0.010%
263	14.567	14.552	14.575	VV	93	1075	0.07%	0.002%
264	14.588	14.575	14.607	VV	129	1806	0.12%	0.004%
265	14.621	14.607	14.647	VV	148	2072	0.13%	0.004%
266	14.707	14.647	14.737	VV	351	7177	0.47%	0.014%
267	14.750	14.737	14.760	VV	115	1013	0.07%	0.002%
268	14.770	14.760	14.792	VV	101	1264	0.08%	0.002%
269	14.802	14.792	14.829	VV	87	993	0.06%	0.002%
270	14.847	14.829	14.856	VV	109	1259	0.08%	0.002%
271	14.867	14.856	14.904	VV	163	2036	0.13%	0.004%
272	14.939	14.904	14.950	VV	83	1579	0.10%	0.003%
273	14.971	14.950	14.982	VV	76	912	0.06%	0.002%
274	14.991	14.982	15.005	VV	88	981	0.06%	0.002%
275	15.009	15.005	15.017	VV	88	425	0.03%	0.001%
276	15.046	15.017	15.074	VV	1198	17360	1.13%	0.034%
277	15.087	15.074	15.117	VV	205	2853	0.19%	0.006%
278	15.142	15.117	15.157	VV	113	1908	0.12%	0.004%
279	15.181	15.157	15.192	VV	126	1745	0.11%	0.003%
280	15.251	15.192	15.289	VV	343	10189	0.66%	0.020%
281	15.298	15.289	15.320	VV	136	1440	0.09%	0.003%
282	15.330	15.320	15.342	VV	74	800	0.05%	0.002%
283	15.351	15.342	15.362	VV	68	721	0.05%	0.001%
284	15.396	15.362	15.430	VV	85	2293	0.15%	0.005%
285	15.443	15.430	15.459	VV	123	1383	0.09%	0.003%
286	15.473	15.459	15.524	VV	97	2834	0.18%	0.006%
287	15.546	15.524	15.560	PV	81	1301	0.08%	0.003%
288	15.569	15.560	15.576	PV	95	556	0.04%	0.001%
289	15.588	15.576	15.597	VV	152	1157	0.08%	0.002%
290	15.630	15.597	15.670	VV	306	8356	0.54%	0.017%
291	15.682	15.670	15.703	VV	201	3071	0.20%	0.006%
292	15.713	15.703	15.750	VV	175	3471	0.23%	0.007%
293	15.770	15.750	15.800	VV	267	5039	0.33%	0.010%
294	15.846	15.800	15.877	VV	347	7893	0.51%	0.016%
295	15.883	15.877	15.893	VV	146	1054	0.07%	0.002%
296	15.900	15.893	15.910	VV	119	961	0.06%	0.002%
297	15.924	15.910	15.944	VV	141	2021	0.13%	0.004%
298	15.951	15.944	15.968	VV	140	1486	0.10%	0.003%
299	16.022	15.968	16.039	VV	139	4256	0.28%	0.008%

					rteres			
300	16.059	16.039	16.067	VV	131	1749	0.11%	0.003%
301	16.075	16.067	16.100	VV	117	1735	0.11%	0.003%
302	16.145	16.100	16.169	VV	131	3825	0.25%	0.008%
303	16.191	16.169	16.215	VV	138	2265	0.15%	0.004%
304	16.237	16.215	16.247	VV	143	1978	0.13%	0.004%
305	16.269	16.247	16.312	VV	323	6113	0.40%	0.012%
306	16.330	16.312	16.338	VV	75	955	0.06%	0.002%
307	16.347	16.338	16.385	VV	97	1488	0.10%	0.003%
308	16.424	16.385	16.437	VV	128	2410	0.16%	0.005%
309	16.463	16.437	16.487	VV	135	2344	0.15%	0.005%
310	16.512	16.487	16.540	VV	82	1616	0.10%	0.003%
311	16.572	16.540	16.580	PV	134	1799	0.12%	0.004%
312	16.591	16.580	16.600	VV	85	790	0.05%	0.002%
313	16.645	16.600	16.676	VV	123	3765	0.24%	0.007%
314	16.755	16.676	16.784	VV	489	11339	0.74%	0.022%
315	16.829	16.784	16.858	VV	126	4224	0.27%	0.008%
316	16.880	16.858	16.890	VV	71	1127	0.07%	0.002%
317	16.903	16.890	16.915	VV	95	1054	0.07%	0.002%
318	16.942	16.915	16.964	VV	99	1804	0.12%	0.004%
319	16.981	16.964	17.004	PV	92	1300	0.08%	0.003%
320	17.026	17.004	17.084	VV	118	3214	0.21%	0.006%
321	17.120	17.084	17.136	PV	121	2479	0.16%	0.005%
322	17.186	17.136	17.194	VV	111	2083	0.14%	0.004%
323	17.222	17.194	17.255	VV	996	13983	0.91%	0.028%
324	17.263	17.255	17.270	VV	55	413	0.03%	0.001%
325	17.316	17.270	17.350	PBA	50	1154	0.07%	0.002%

Sum of corrected areas: 50633499

FG102124.M Sat Nov 09 00:23:47 2024

Report of Analysis

Client:	ENTACT		Date Collected:	11/05/24	
Project:	North Point		Date Received:	11/05/24	
Client Sample ID:	EX-9-TPH-8		SDG No.:	P4721	
Lab Sample ID:	P4721-15		Matrix:	SOIL	
Analytical Method:	8015D DRO		% Solid:	87.2	Decanted:
Sample Wt/Vol:	30.04	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
FG014705.D	1	11/07/24 08:30	11/08/24 9:56	PB164744

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	1760	J	212	1910	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	9.09		37 - 130	45%	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_G\Data\FG110724\
Data File : FG014705.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 09:56
Operator : YP\AJ
Sample : P4721-15
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-9-TPH-8

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/11/2024
Supervised By :Ankita Jodhani 11/11/2024

Integration File: autoint1.e
Quant Time: Nov 09 00:04:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Quant Title :
QLast Update : Mon Oct 21 17:03:32 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...	15.046	1087252	9.090 ug/mlm
Target Compounds			

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110724\
Data File : FG014705.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 09:56
Operator : YP\AJ
Sample : P4721-15
Misc :
ALS Vial : 64 Sample Multiplier: 1

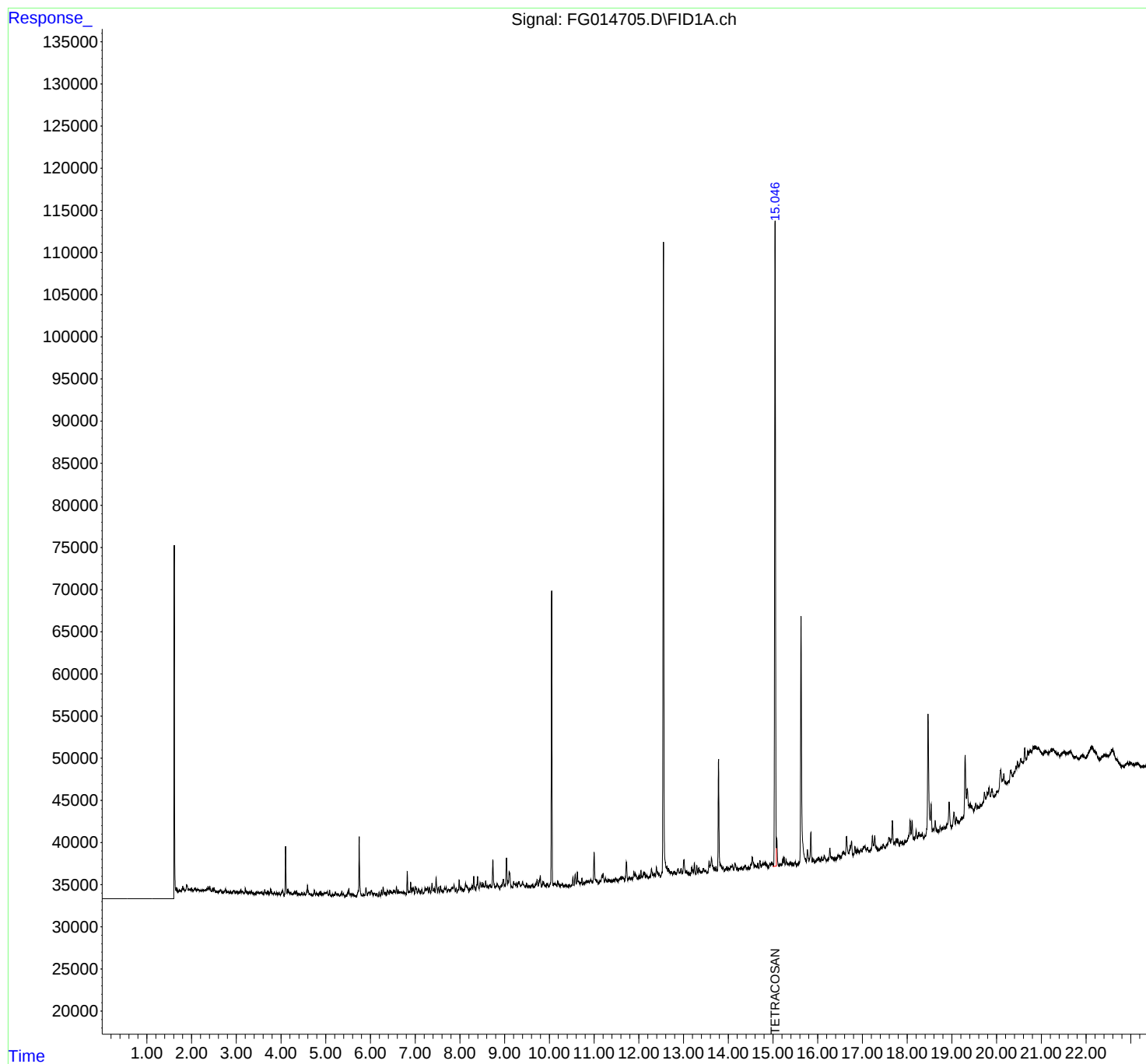
Instrument :
FID_G
ClientSampleId :
EX-9-TPH-8

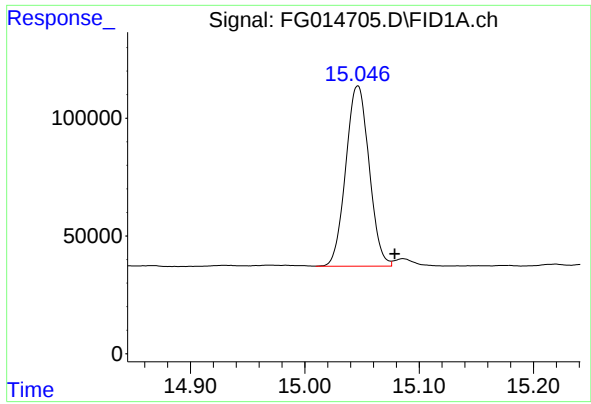
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/11/2024
Supervised By :Ankita Jodhani 11/11/2024

Integration File: autoint1.e
Quant Time: Nov 09 00:04:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Quant Title :
QLast Update : Mon Oct 21 17:03:32 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.: 15.046 min
Delta R.T.: -0.032 min
Response: 1087252
Conc: 9.09 ug/ml

Instrument :
FID_G
ClientSampleId :
EX-9-TPH-8

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/11/2024
Supervised By :Ankita Jodhani 11/11/2024

Instrument :

FID_G

ClientSampleId :

EX-9-TPH-8

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG11072
Data File : FG014705.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 09:56
Sample : P4721-15
Misc :
ALS Vial : 64 Sample Multiplier: 1

Reviewed By :Yogesh Patel 11/11/2024

Supervised By :Ankita Jodhani 11/11/2024

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.247	3.223	3.268	BV	86	842	0.08%	0.012%
2	3.278	3.268	3.284	PV	92	688	0.06%	0.010%
3	3.301	3.284	3.323	VV	195	3199	0.29%	0.045%
4	3.342	3.323	3.361	VV	357	4629	0.42%	0.065%
5	3.370	3.361	3.403	VV	158	1895	0.17%	0.027%
6	3.415	3.403	3.427	PV	61	469	0.04%	0.007%
7	3.441	3.427	3.450	VV	99	876	0.08%	0.012%
8	3.468	3.450	3.487	VV	339	4289	0.39%	0.060%
9	3.496	3.487	3.519	VV	227	2965	0.27%	0.042%
10	3.535	3.519	3.551	VV	247	3719	0.34%	0.052%
11	3.566	3.551	3.586	VV	306	4150	0.38%	0.058%
12	3.591	3.586	3.596	VV	86	452	0.04%	0.006%
13	3.607	3.596	3.611	VV	156	1072	0.10%	0.015%
14	3.614	3.611	3.620	VV	130	541	0.05%	0.008%
15	3.635	3.620	3.676	VV	594	9607	0.88%	0.135%
16	3.689	3.676	3.699	VV	361	3490	0.32%	0.049%
17	3.712	3.699	3.736	VV	347	5348	0.49%	0.075%
18	3.746	3.736	3.751	VV	178	1309	0.12%	0.018%
19	3.769	3.751	3.814	VV	643	12587	1.15%	0.177%
20	3.818	3.814	3.822	VV	146	610	0.06%	0.009%
21	3.851	3.822	3.884	VV	386	7491	0.69%	0.105%
22	3.904	3.884	3.926	VV	330	4275	0.39%	0.060%
23	3.935	3.926	3.940	VV	150	962	0.09%	0.013%
24	3.958	3.940	3.981	VV	379	4357	0.40%	0.061%
25	4.015	3.981	4.021	PV	376	4964	0.45%	0.070%
26	4.034	4.021	4.069	VV	658	9428	0.86%	0.132%
27	4.102	4.069	4.134	PV	5819	62555	5.73%	0.877%
28	4.153	4.134	4.172	VV	768	11338	1.04%	0.159%
29	4.179	4.172	4.202	VV	470	6200	0.57%	0.087%
30	4.218	4.202	4.246	VV	388	6562	0.60%	0.092%
31	4.269	4.246	4.277	VV	234	2860	0.26%	0.040%
32	4.300	4.277	4.305	VV	437	5323	0.49%	0.075%
33	4.317	4.305	4.330	VV	433	5320	0.49%	0.075%
34	4.346	4.330	4.372	VV	610	8843	0.81%	0.124%
35	4.384	4.372	4.405	VV	232	3572	0.33%	0.050%
36	4.419	4.405	4.443	VV	281	3837	0.35%	0.054%

					rters				
37	4.466	4.443	4.488	VV	376	6171	0.57%	0.087%	
38	4.520	4.488	4.548	VV	347	7061			
39	4.592	4.548	4.633	VV	1297	26778			
40	4.643	4.633	4.669	VV	322	4923			
41	4.676	4.669	4.693	VV	172	1901			
42	4.700	4.693	4.713	VV	141	1215			
43	4.746	4.713	4.771	VV	746	11484	1.05%	0.161%	
44	4.785	4.771	4.789	VV	373	2901	0.27%	0.041%	
45	4.793	4.789	4.843	VV	382	7047	0.65%	0.099%	
46	4.858	4.843	4.869	VV	411	4277	0.39%	0.060%	
47	4.884	4.869	4.900	VV	597	6839	0.63%	0.096%	
48	4.919	4.900	4.932	VV	359	5264	0.48%	0.074%	
49	4.938	4.932	4.948	VV	330	2555	0.23%	0.036%	
50	4.963	4.948	4.978	VV	436	6070	0.56%	0.085%	
51	4.988	4.978	5.006	VV	446	6310	0.58%	0.089%	
52	5.035	5.006	5.062	VV	606	12782	1.17%	0.179%	
53	5.086	5.062	5.121	VV	757	12063	1.11%	0.169%	
54	5.152	5.121	5.176	VV	281	5226	0.48%	0.073%	
55	5.189	5.176	5.203	VV	320	3774	0.35%	0.053%	
56	5.216	5.203	5.242	VV	601	8641	0.79%	0.121%	
57	5.252	5.242	5.264	VV	356	3409	0.31%	0.048%	
58	5.279	5.264	5.310	VV	376	6148	0.56%	0.086%	
59	5.333	5.310	5.341	VV	355	3825	0.35%	0.054%	
60	5.360	5.341	5.379	VV	708	9570	0.88%	0.134%	
61	5.382	5.379	5.385	VV	299	993	0.09%	0.014%	
62	5.393	5.385	5.435	VV	390	6345	0.58%	0.089%	
63	5.451	5.435	5.456	PV	198	1607	0.15%	0.023%	
64	5.461	5.456	5.470	VV	270	1559	0.14%	0.022%	
65	5.491	5.470	5.504	VV	570	7417	0.68%	0.104%	
66	5.517	5.504	5.541	VV	999	12648	1.16%	0.177%	
67	5.555	5.541	5.573	VV	385	5579	0.51%	0.078%	
68	5.588	5.573	5.606	VV	416	6273	0.57%	0.088%	
69	5.618	5.606	5.645	VV	331	5240	0.48%	0.073%	
70	5.656	5.645	5.667	VV	170	1672	0.15%	0.023%	
71	5.683	5.667	5.692	VV	140	1160	0.11%	0.016%	
72	5.725	5.692	5.732	VV	734	10416	0.95%	0.146%	
73	5.748	5.732	5.807	VV	7155	81465	7.46%	1.143%	
74	5.811	5.807	5.821	VV	135	946	0.09%	0.013%	
75	5.840	5.821	5.852	VV	251	3511	0.32%	0.049%	
76	5.858	5.852	5.866	VV	176	1257	0.12%	0.018%	
77	5.870	5.866	5.874	VV	192	779	0.07%	0.011%	
78	5.899	5.874	5.929	VV	1049	18273	1.67%	0.256%	
79	5.956	5.929	5.968	VV	520	8687	0.80%	0.122%	
80	5.977	5.968	5.992	VV	561	6087	0.56%	0.085%	
81	6.022	5.992	6.038	VV	759	14746	1.35%	0.207%	
82	6.043	6.038	6.067	VV	426	4895	0.45%	0.069%	
83	6.082	6.067	6.113	VV	434	9022	0.83%	0.127%	
84	6.124	6.113	6.135	VV	301	2948	0.27%	0.041%	
85	6.145	6.135	6.172	VV	332	4129	0.38%	0.058%	
86	6.192	6.172	6.211	PV	532	6018	0.55%	0.084%	
87	6.246	6.211	6.264	VV	755	9949	0.91%	0.140%	
88	6.283	6.264	6.308	VV	1138	16983	1.56%	0.238%	
89	6.315	6.308	6.330	VV	444	4808	0.44%	0.067%	

Instrument :

FID_G

ClientSampleId :

EX-9-TPH-8

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/11/2024

Supervised By :Ankita Jodhani 11/11/2024

90	6.339	6.330	6.363	VV	357	4729	0.43%	0.066%
91	6.379	6.363	6.410	VV	674	13285		
92	6.433	6.410	6.449	VV	686	11028		
93	6.454	6.449	6.459	VV	451	2617		
94	6.468	6.459	6.497	VV	517	8995		
95	6.513	6.497	6.528	VV	693	9512		
96	6.537	6.528	6.561	VV	630	9255	0.85%	0.130%
97	6.581	6.561	6.600	VV	1054	14621	1.34%	0.205%
98	6.620	6.600	6.637	VV	732	8084	0.74%	0.113%
99	6.662	6.637	6.683	VV	464	10130	0.93%	0.142%
100	6.690	6.683	6.696	VV	398	2847	0.26%	0.040%
101	6.702	6.696	6.728	VV	387	5729	0.52%	0.080%
102	6.741	6.728	6.756	VV	375	5063	0.46%	0.071%
103	6.764	6.756	6.771	VV	281	2173	0.20%	0.030%
104	6.776	6.771	6.795	VV	314	3074	0.28%	0.043%
105	6.822	6.795	6.849	VV	2801	32760	3.00%	0.459%
106	6.854	6.849	6.861	VV	412	2655	0.24%	0.037%
107	6.871	6.861	6.881	VV	457	4591	0.42%	0.064%
108	6.898	6.881	6.921	VV	1527	19998	1.83%	0.280%
109	6.936	6.921	6.951	VV	856	10775	0.99%	0.151%
110	6.965	6.951	6.988	VV	810	11784	1.08%	0.165%
111	7.008	6.988	7.022	VV	982	12958	1.19%	0.182%
112	7.026	7.022	7.050	VV	744	7973	0.73%	0.112%
113	7.077	7.050	7.102	VV	664	13252	1.21%	0.186%
114	7.112	7.102	7.125	VV	339	3937	0.36%	0.055%
115	7.152	7.125	7.170	VV	620	10790	0.99%	0.151%
116	7.184	7.170	7.190	VV	186	1615	0.15%	0.023%
117	7.220	7.190	7.237	VV	792	13015	1.19%	0.183%
118	7.247	7.237	7.262	VV	691	9103	0.83%	0.128%
119	7.279	7.262	7.298	VV	821	12871	1.18%	0.181%
120	7.319	7.298	7.350	VV	756	13368	1.22%	0.187%
121	7.376	7.350	7.402	VV	1284	20631	1.89%	0.289%
122	7.423	7.402	7.443	VV	690	11111	1.02%	0.156%
123	7.468	7.443	7.502	VV	1941	30387	2.78%	0.426%
124	7.520	7.502	7.543	VV	801	11862	1.09%	0.166%
125	7.568	7.543	7.607	VV	859	17834	1.63%	0.250%
126	7.611	7.607	7.627	VV	322	2947	0.27%	0.041%
127	7.655	7.627	7.678	VV	669	13086	1.20%	0.184%
128	7.692	7.678	7.718	VV	759	11919	1.09%	0.167%
129	7.747	7.718	7.753	VV	470	7313	0.67%	0.103%
130	7.760	7.753	7.769	VV	410	3722	0.34%	0.052%
131	7.783	7.769	7.792	VV	459	5072	0.46%	0.071%
132	7.829	7.792	7.844	VV	739	17367	1.59%	0.244%
133	7.868	7.844	7.896	VV	1007	19389	1.78%	0.272%
134	7.913	7.896	7.938	VV	559	7695	0.70%	0.108%
135	7.955	7.938	7.965	PV	366	3985	0.37%	0.056%
136	7.983	7.965	8.003	VV	1514	20294	1.86%	0.285%
137	8.008	8.003	8.013	VV	519	2661	0.24%	0.037%
138	8.028	8.013	8.053	VV	573	10293	0.94%	0.144%
139	8.062	8.053	8.089	VV	393	6399	0.59%	0.090%
140	8.125	8.089	8.140	VV	1102	18935	1.73%	0.266%
141	8.150	8.140	8.169	VV	814	11805	1.08%	0.166%

Instrument :

FID_G

ClientSampleId :

EX-9-TPH-8

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/11/2024

Supervised By :Ankita Jodhani 11/11/2024

142	8.176	8.169	8.203	VV	617	8061	0.74%	0.113%
143	8.223	8.203	8.242	VV	399	7214	0.74%	0.113%
144	8.274	8.242	8.289	VV	801	15373	0.74%	0.113%
145	8.309	8.289	8.356	VV	1858	32184	0.74%	0.113%
146	8.396	8.356	8.429	VV	1788	35970	0.74%	0.113%
147	8.453	8.429	8.483	VV	1076	23755	0.74%	0.113%
148	8.495	8.483	8.513	VV	1087	13812	1.27%	0.194%
149	8.525	8.513	8.545	VV	853	13065	1.20%	0.183%
150	8.550	8.545	8.554	VV	564	3002	0.27%	0.042%
151	8.575	8.554	8.607	VV	1267	25012	2.29%	0.351%
152	8.621	8.607	8.638	VV	592	9612	0.88%	0.135%
153	8.675	8.638	8.704	VV	709	23539	2.16%	0.330%
154	8.737	8.704	8.787	VV	3727	65494	6.00%	0.919%
155	8.803	8.787	8.811	VV	545	6885	0.63%	0.097%
156	8.833	8.811	8.892	VV	847	26818	2.46%	0.376%
157	8.910	8.892	8.923	VV	578	7610	0.70%	0.107%
158	8.941	8.923	8.947	VV	751	8486	0.78%	0.119%
159	8.971	8.947	8.993	VV	1337	26665	2.44%	0.374%
160	9.004	8.993	9.015	VV	688	7871	0.72%	0.110%
161	9.042	9.015	9.064	VV	3856	60433	5.54%	0.848%
162	9.076	9.064	9.082	VV	1086	10402	0.95%	0.146%
163	9.102	9.082	9.154	VV	2190	53135	4.87%	0.745%
164	9.157	9.154	9.163	VV	393	1957	0.18%	0.027%
165	9.167	9.163	9.181	VV	403	3367	0.31%	0.047%
166	9.202	9.181	9.220	VV	1006	16965	1.55%	0.238%
167	9.226	9.220	9.245	VV	707	9382	0.86%	0.132%
168	9.260	9.245	9.283	VV	818	13894	1.27%	0.195%
169	9.305	9.283	9.314	VV	851	12440	1.14%	0.174%
170	9.323	9.314	9.361	VV	963	18634	1.71%	0.261%
171	9.401	9.361	9.424	VV	927	23351	2.14%	0.328%
172	9.429	9.424	9.457	VV	561	8376	0.77%	0.117%
173	9.494	9.457	9.517	VV	656	14524	1.33%	0.204%
174	9.541	9.517	9.568	VV	429	9589	0.88%	0.134%
175	9.613	9.568	9.640	VV	539	15612	1.43%	0.219%
176	9.642	9.640	9.667	VV	315	4047	0.37%	0.057%
177	9.692	9.667	9.701	VV	554	8487	0.78%	0.119%
178	9.725	9.701	9.755	VV	1095	21646	1.98%	0.304%
179	9.777	9.755	9.782	VV	981	12145	1.11%	0.170%
180	9.797	9.782	9.831	VV	1509	22625	2.07%	0.317%
181	9.854	9.831	9.869	VV	840	13374	1.23%	0.188%
182	9.874	9.869	9.903	VV	656	9055	0.83%	0.127%
183	9.917	9.903	9.927	VV	374	4334	0.40%	0.061%
184	9.944	9.927	9.993	VV	597	14323	1.31%	0.201%
185	10.051	9.993	10.082	VV	35279	378777	34.70%	5.312%
186	10.105	10.082	10.109	VV	488	6729	0.62%	0.094%
187	10.123	10.109	10.138	VV	541	7838	0.72%	0.110%
188	10.148	10.138	10.171	VV	414	5789	0.53%	0.081%
189	10.186	10.171	10.208	VV	824	11617	1.06%	0.163%
190	10.211	10.208	10.238	VV	424	4724	0.43%	0.066%
191	10.260	10.238	10.265	VV	324	4171	0.38%	0.058%
192	10.270	10.265	10.276	VV	314	2038	0.19%	0.029%
193	10.288	10.276	10.314	VV	471	6588	0.60%	0.092%
194	10.316	10.314	10.331	VV	174	926	0.08%	0.013%

Instrument :

FID_G

ClientSampleId :

EX-9-TPH-8

Manual IntegrationsAPPROVED

 Reviewed By :Yogesh Patel 11/11/2024
 Supervised By :Ankita Jodhani 11/11/2024

195	10.353	10.331	10.373	VV	274	4592	0.42%	0.064%
196	10.383	10.373	10.399	VV	199	2200		
197	10.404	10.399	10.410	VV	88	486		
198	10.421	10.410	10.444	VV	263	3294		
199	10.464	10.444	10.478	VV	174	2149		
200	10.526	10.478	10.553	PV	1147	17395		
201	10.576	10.553	10.599	VV	1425	21987	2.01%	0.308%
202	10.626	10.599	10.644	VV	1683	23444	2.15%	0.329%
203	10.652	10.644	10.685	VV	634	10484	0.96%	0.147%
204	10.698	10.685	10.705	VV	454	4335	0.40%	0.061%
205	10.727	10.705	10.753	VV	928	14720	1.35%	0.206%
206	10.770	10.753	10.787	VV	360	5849	0.54%	0.082%
207	10.792	10.787	10.798	VV	374	2040	0.19%	0.029%
208	10.814	10.798	10.820	VV	540	5275	0.48%	0.074%
209	10.829	10.820	10.846	VV	531	6848	0.63%	0.096%
210	10.854	10.846	10.868	VV	501	5919	0.54%	0.083%
211	10.877	10.868	10.889	VV	549	5541	0.51%	0.078%
212	10.908	10.889	10.913	VV	499	5829	0.53%	0.082%
213	10.925	10.913	10.955	VV	663	11781	1.08%	0.165%
214	11.001	10.955	11.042	VV	3820	65639	6.01%	0.921%
215	11.045	11.042	11.050	VV	478	2385	0.22%	0.033%
216	11.055	11.050	11.093	VV	499	8505	0.78%	0.119%
217	11.132	11.093	11.148	VV	389	7747	0.71%	0.109%
218	11.176	11.148	11.187	VV	1072	16632	1.52%	0.233%
219	11.200	11.187	11.227	VV	1232	19790	1.81%	0.278%
220	11.231	11.227	11.236	VV	304	1359	0.12%	0.019%
221	11.257	11.236	11.296	VV	648	13621	1.25%	0.191%
222	11.320	11.296	11.339	VV	494	8355	0.77%	0.117%
223	11.343	11.339	11.349	VV	299	1642	0.15%	0.023%
224	11.355	11.349	11.379	VV	363	4430	0.41%	0.062%
225	11.391	11.379	11.398	VV	249	2234	0.20%	0.031%
226	11.406	11.398	11.413	VV	295	2252	0.21%	0.032%
227	11.417	11.413	11.425	VV	285	1494	0.14%	0.021%
228	11.442	11.425	11.454	VV	374	5292	0.48%	0.074%
229	11.458	11.454	11.462	VV	337	1486	0.14%	0.021%
230	11.466	11.462	11.472	VV	353	1759	0.16%	0.025%
231	11.486	11.472	11.513	VV	505	8507	0.78%	0.119%
232	11.526	11.513	11.532	VV	249	2277	0.21%	0.032%
233	11.535	11.532	11.540	VV	211	1017	0.09%	0.014%
234	11.545	11.540	11.549	VV	261	1122	0.10%	0.016%
235	11.571	11.549	11.577	VV	418	5739	0.53%	0.080%
236	11.601	11.577	11.618	VV	617	11961	1.10%	0.168%
237	11.632	11.618	11.648	VV	667	9816	0.90%	0.138%
238	11.650	11.648	11.655	VV	484	1844	0.17%	0.026%
239	11.660	11.655	11.687	VV	474	6080	0.56%	0.085%
240	11.723	11.687	11.750	VV	2343	41866	3.84%	0.587%
241	11.771	11.750	11.778	VV	422	5458	0.50%	0.077%
242	11.789	11.778	11.811	VV	477	7090	0.65%	0.099%
243	11.829	11.811	11.849	VV	445	6434	0.59%	0.090%
244	11.890	11.849	11.911	VV	1118	21123	1.93%	0.296%
245	11.924	11.911	11.978	VV	814	21303	1.95%	0.299%
246	11.985	11.978	11.995	VV	341	2659	0.24%	0.037%

Instrument :

FID_G

ClientSampleId :

EX-9-TPH-8

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/11/2024

Supervised By :Ankita Jodhani 11/11/2024

					rters				
247	12.002	11.995	12.029	VV	595	8503	0.78%	0.119%	
248	12.048	12.029	12.068	VV	1155	15830			
249	12.076	12.068	12.082	VV	412	3023			
250	12.115	12.082	12.155	VV	936	28763			
251	12.159	12.155	12.164	VV	441	2292			
252	12.185	12.164	12.202	VV	495	8563			
253	12.207	12.202	12.218	VV	324	2598	0.24%	0.036%	
254	12.282	12.218	12.307	VV	1208	30112	2.76%	0.422%	
255	12.314	12.307	12.334	VV	567	7893	0.72%	0.111%	
256	12.352	12.334	12.374	VV	707	11114	1.02%	0.156%	
257	12.394	12.374	12.428	VV	1402	27047	2.48%	0.379%	
258	12.433	12.428	12.446	VV	624	5597	0.51%	0.078%	
259	12.459	12.446	12.483	VV	545	8684	0.80%	0.122%	
260	12.551	12.483	12.620	VV	75429	971933	89.04%	13.632%	
261	12.631	12.620	12.651	VV	1381	20852	1.91%	0.292%	
262	12.661	12.651	12.694	VV	1127	21929	2.01%	0.308%	
263	12.698	12.694	12.702	VV	624	2896	0.27%	0.041%	
264	12.726	12.702	12.760	VV	727	18682	1.71%	0.262%	
265	12.767	12.760	12.773	VV	412	3011	0.28%	0.042%	
266	12.793	12.773	12.816	VV	659	14108	1.29%	0.198%	
267	12.825	12.816	12.841	VV	410	5720	0.52%	0.080%	
268	12.879	12.841	12.901	VV	971	24079	2.21%	0.338%	
269	12.905	12.901	12.916	VV	523	4309	0.39%	0.060%	
270	12.947	12.916	12.967	VV	934	18745	1.72%	0.263%	
271	12.970	12.967	12.980	VV	400	3064	0.28%	0.043%	
272	13.009	12.980	13.044	VV	1958	41522	3.80%	0.582%	
273	13.063	13.044	13.086	VV	598	11019	1.01%	0.155%	
274	13.091	13.086	13.096	VV	395	1870	0.17%	0.026%	
275	13.101	13.096	13.112	VV	316	2161	0.20%	0.030%	
276	13.122	13.112	13.138	VV	285	3167	0.29%	0.044%	
277	13.182	13.138	13.213	VV	998	20778	1.90%	0.291%	
278	13.218	13.213	13.222	VV	452	2360	0.22%	0.033%	
279	13.243	13.222	13.279	VV	1459	21158	1.94%	0.297%	
280	13.296	13.279	13.320	VV	1121	14943	1.37%	0.210%	
281	13.340	13.320	13.358	VV	819	12733	1.17%	0.179%	
282	13.362	13.358	13.382	VV	531	5050	0.46%	0.071%	
283	13.394	13.382	13.405	VV	306	3499	0.32%	0.049%	
284	13.409	13.405	13.415	VV	341	1801	0.17%	0.025%	
285	13.441	13.415	13.471	VV	718	15943	1.46%	0.224%	
286	13.480	13.471	13.486	VV	418	3490	0.32%	0.049%	
287	13.494	13.486	13.501	VV	429	3311	0.30%	0.046%	
288	13.505	13.501	13.521	VV	354	2767	0.25%	0.039%	
289	13.527	13.521	13.532	PV	166	760	0.07%	0.011%	
290	13.537	13.532	13.547	VV	145	1019	0.09%	0.014%	
291	13.570	13.547	13.589	VV	1494	23596	2.16%	0.331%	
292	13.624	13.589	13.689	VV	1884	61273	5.61%	0.859%	
293	13.698	13.689	13.706	VV	537	4688	0.43%	0.066%	
294	13.723	13.706	13.745	VV	771	11987	1.10%	0.168%	
295	13.782	13.745	13.821	VV	13512	180203	16.51%	2.527%	
296	13.828	13.821	13.859	VV	988	17470	1.60%	0.245%	
297	13.879	13.859	13.919	VV	631	15870	1.45%	0.223%	
298	13.934	13.919	13.950	VV	414	6026	0.55%	0.085%	
299	13.962	13.950	13.981	VV	635	8230	0.75%	0.115%	

Instrument :

FID_G

ClientSampleId :

EX-9-TPH-8

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/11/2024
Supervised By :Ankita Jodhani 11/11/2024

300	14.005	13.981	14.023	VV	475	8894	0.81%	0.125%
301	14.065	14.023	14.078	VV	625	15939		
302	14.095	14.078	14.128	VV	784	14443		
303	14.150	14.128	14.191	VV	983	21841		
304	14.200	14.191	14.223	VV	332	4745		
305	14.245	14.223	14.257	VV	292	4118		
306	14.272	14.257	14.283	VV	398	5272	0.48%	0.074%
307	14.286	14.283	14.292	VV	360	1543	0.14%	0.022%
308	14.301	14.292	14.325	VV	384	4371	0.40%	0.061%
309	14.356	14.325	14.363	VV	446	6144	0.56%	0.086%
310	14.385	14.363	14.406	VV	642	11656	1.07%	0.163%
311	14.418	14.406	14.434	VV	314	3658	0.34%	0.051%
312	14.445	14.434	14.449	VV	379	2622	0.24%	0.037%
313	14.453	14.449	14.467	VV	347	2622	0.24%	0.037%
314	14.507	14.467	14.518	VV	690	11424	1.05%	0.160%
315	14.539	14.518	14.575	VV	1461	32910	3.01%	0.462%
316	14.579	14.575	14.589	VV	508	3453	0.32%	0.048%
317	14.605	14.589	14.617	VV	490	6676	0.61%	0.094%
318	14.620	14.617	14.634	VV	384	3460	0.32%	0.049%
319	14.638	14.634	14.643	VV	323	1528	0.14%	0.021%
320	14.660	14.643	14.687	VV	729	9975	0.91%	0.140%
321	14.706	14.687	14.732	VV	976	15211	1.39%	0.213%
322	14.738	14.732	14.743	VV	385	2500	0.23%	0.035%
323	14.752	14.743	14.756	VV	404	2482	0.23%	0.035%
324	14.774	14.756	14.786	VV	659	9421	0.86%	0.132%
325	14.790	14.786	14.794	VV	505	2239	0.21%	0.031%
326	14.803	14.794	14.817	VV	600	7244	0.66%	0.102%
327	14.834	14.817	14.857	VV	753	12333	1.13%	0.173%
328	14.867	14.857	14.896	VV	494	5662	0.52%	0.079%
329	14.929	14.896	14.952	VV	578	11165	1.02%	0.157%
330	14.970	14.952	14.980	VV	613	8532	0.78%	0.120%
331	14.984	14.980	15.008	VV	576	6855	0.63%	0.096%
332	15.046	15.008	15.076	VV	76761	1091624	100.00%	15.310%
333	15.086	15.076	15.122	VV	3325	42195	3.87%	0.592%
334	15.144	15.122	15.163	VV	280	5676	0.52%	0.080%
335	15.179	15.163	15.190	VV	402	4696	0.43%	0.066%
336	15.219	15.190	15.233	VV	967	13964	1.28%	0.196%
337	15.249	15.233	15.272	VV	1127	16169	1.48%	0.227%
338	15.291	15.272	15.309	VV	734	10582	0.97%	0.148%
339	15.317	15.309	15.322	VV	354	2517	0.23%	0.035%
340	15.327	15.322	15.355	VV	340	5294	0.48%	0.074%
341	15.358	15.355	15.367	VV	240	1326	0.12%	0.019%
342	15.385	15.367	15.405	VV	430	6971	0.64%	0.098%
343	15.414	15.405	15.426	VV	279	2623	0.24%	0.037%
344	15.447	15.426	15.469	VV	290	5002	0.46%	0.070%
345	15.497	15.469	15.522	VV	432	7414	0.68%	0.104%
346	15.529	15.522	15.533	PV	82	335	0.03%	0.005%
347	15.539	15.533	15.548	VV	146	702	0.06%	0.010%
348	15.562	15.548	15.569	PV	216	1795	0.16%	0.025%
349	15.582	15.569	15.592	VV	305	3067	0.28%	0.043%
350	15.627	15.592	15.720	VV	29454	486352	44.55%	6.821%
351	15.725	15.720	15.745	VV	733	7349	0.67%	0.103%

Instrument :

FID_G

ClientSampleId :

EX-9-TPH-8

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/11/2024

Supervised By :Ankita Jodhani 11/11/2024

					rters			
352	15.769	15.745	15.801	VV	1705	31664	2.90%	0.444%
353	15.809	15.801	15.814	VV	567	4261		
354	15.847	15.814	15.873	VV	3701	57014		
355	15.895	15.873	15.903	VV	429	5865		
356	15.908	15.903	15.925	VV	421	3507		
357	15.929	15.925	15.935	VV	141	798		
358	15.941	15.935	15.954	VV	198	1949	0.18%	0.027%
359	15.992	15.954	16.000	VV	451	8343	0.76%	0.117%
360	16.025	16.000	16.040	VV	594	10568	0.97%	0.148%
361	16.047	16.040	16.057	VV	357	2813	0.26%	0.039%
362	16.062	16.057	16.066	VV	187	1078	0.10%	0.015%
363	16.088	16.066	16.107	VV	510	8958	0.82%	0.126%
364	16.146	16.107	16.196	VV	735	19735	1.81%	0.277%
365	16.209	16.196	16.217	VV	240	1964	0.18%	0.028%
366	16.219	16.217	16.227	VV	205	953	0.09%	0.013%
367	16.238	16.227	16.245	VV	290	2137	0.20%	0.030%
368	16.272	16.245	16.303	VV	1557	26704	2.45%	0.375%
369	16.318	16.303	16.352	VV	468	9403	0.86%	0.132%
370	16.359	16.352	16.369	VV	252	1493	0.14%	0.021%
371	16.373	16.369	16.377	VV	165	530	0.05%	0.007%
372	16.388	16.377	16.413	VV	211	2450	0.22%	0.034%
373	16.463	16.413	16.497	PV	562	17409	1.59%	0.244%
374	16.513	16.497	16.523	VV	350	3869	0.35%	0.054%
375	16.568	16.523	16.590	VV	865	22224	2.04%	0.312%
376	16.594	16.590	16.606	VV	655	5552	0.51%	0.078%
377	16.611	16.606	16.619	VV	596	4071	0.37%	0.057%
378	16.643	16.619	16.692	VV	2511	55482	5.08%	0.778%
379	16.756	16.692	16.790	VV	1869	56793	5.20%	0.797%
380	16.803	16.790	16.807	VV	220	1907	0.17%	0.027%
381	16.832	16.807	16.861	VV	1132	19950	1.83%	0.280%
382	16.885	16.861	16.906	VV	721	14741	1.35%	0.207%
383	16.912	16.906	16.927	VV	477	5279	0.48%	0.074%
384	16.936	16.927	16.941	VV	392	2934	0.27%	0.041%
385	16.970	16.941	16.991	VV	654	13670	1.25%	0.192%
386	17.030	16.991	17.039	VV	873	19120	1.75%	0.268%
387	17.054	17.039	17.083	VV	909	18869	1.73%	0.265%
388	17.110	17.083	17.140	VV	675	15187	1.39%	0.213%
389	17.143	17.140	17.150	VV	222	1091	0.10%	0.015%
390	17.163	17.150	17.172	VV	265	2779	0.25%	0.039%
391	17.190	17.172	17.197	VV	371	4151	0.38%	0.058%
392	17.222	17.197	17.242	VV	1920	28919	2.65%	0.406%
393	17.249	17.242	17.255	VV	860	6226	0.57%	0.087%
394	17.275	17.255	17.310	VV	1902	34262	3.14%	0.481%
395	17.318	17.310	17.333	VV	438	3862	0.35%	0.054%
396	17.340	17.333	17.348	PV	104	486	0.04%	0.007%
Sum of corrected areas:						7130025		

Instrument :

FID_G

ClientSampleId :

EX-9-TPH-8

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/11/2024

Supervised By :Ankita Jodhani 11/11/2024



CALIBRATION SUMMARY

DIESEL RANGE ORGANICS INITIAL CALIBRATION SUMMARY

Lab Name: Chemtech Contract: ENTA05
 ProjectID: North Point
 Lab Code: CHEM Case No.: P4721 SAS No.: P4721 SDG No.: P4721

Calibration Sequence : FG102124		Test : Diesel Range Organics	
Concentration (PPM)	Area Count	Reference Factor	File ID
1000	124758474	124758	FG014453.D
500	63252619	126505	FG014454.D
200	26227964	131140	FG014455.D
100	13573191	135732	FG014456.D
50	6864383	137288	FG014457.D
AVG RF : 131085		% RSD : 4.197	AVG RT : 15.0822

DIESEL RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Chemtech Contract: ENTA05
ProjectID: North Point
Lab Code: CHEM Case No.: P4721 SAS No.: P4721 SDG No.: P4721
DataFile: FG014669.D Analyst Name: YP\AJ Analyst Date: 11-07-2024

Conc. (PPM)	Area Count	RF	Average RF	%D
500	65518705	131037	131085	0.037

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110724\
 Data File : FG014669.D
 Signal(s) : FID1A.ch
 Acq On : 07 Nov 2024 12:09
 Operator : YP\AJ
 Sample : 50 PPM TRPH STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 50 PPM TRPH STD

Integration File: autoint1.e
 Quant Time: Nov 08 05:25:23 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
 Quant Title :
 QLast Update : Mon Oct 21 17:03:32 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...	15.052	5708758	47.730 ug/ml
Target Compounds			
2) N-DECANE	4.576	6728428	54.342 ug/ml
3) N-DODECANE	6.749	6777041	53.772 ug/ml
4) N-TETRADECANE	8.581	6741752	52.468 ug/ml
5) N-HEXADECANE	10.192	6702999	51.478 ug/ml
6) N-OCTADECANE	11.638	6752705	50.325 ug/ml
7) N-EICOSANE	12.951	6741630	49.448 ug/ml
8) N-DOCOSANE	14.151	6459427	48.655 ug/ml
10) N-TETRACOSANE	15.257	6352533	47.658 ug/ml
11) N-HEXACOSANE	16.278	6217430	46.711 ug/ml
12) N-OCTACOSANE	17.229	6044760	45.582 ug/ml

(f)=RT Delta > 1/2 Window

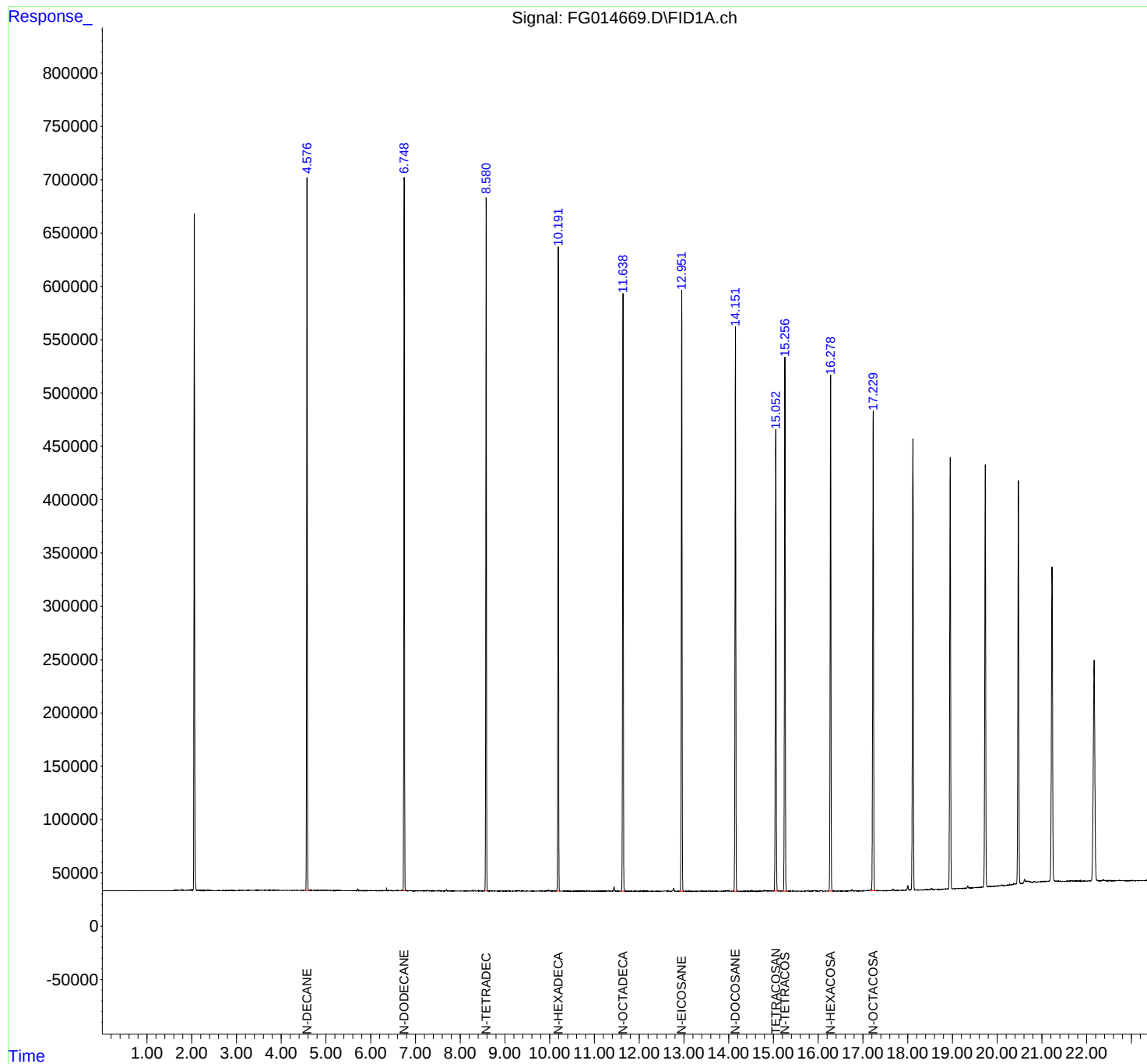
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110724\
Data File : FG014669.D
Signal(s) : FID1A.ch
Acq On : 07 Nov 2024 12:09
Operator : YP\AJ
Sample : 50 PPM TRPH STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
50 PPM TRPH STD

Integration File: autoint1.e
Quant Time: Nov 08 05:25:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Quant Title :
QLast Update : Mon Oct 21 17:03:32 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_G\Data\FG110724\
Data File : FG014669.D
Signal(s) : FID1A.ch
Acq On : 07 Nov 2024 12:09
Sample : 50 PPM TRPH STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.576	4.532	4.628	BB	668280	6728428	99.28%	9.446%
2	6.749	6.715	6.793	BB	668314	6777041	100.00%	9.515%
3	8.581	8.545	8.626	BB	649804	6741752	99.48%	9.465%
4	10.192	10.145	10.236	BB	604204	6702999	98.91%	9.411%
5	11.638	11.590	11.688	BB	561027	6752705	99.64%	9.480%
6	12.951	12.903	13.007	BB	563331	6741630	99.48%	9.465%
7	14.151	14.110	14.208	BB	529491	6459427	95.31%	9.069%
8	15.052	14.999	15.118	BB	432085	5708758	84.24%	8.015%
9	15.257	15.180	15.311	BB	501311	6352533	93.74%	8.919%
10	16.278	16.220	16.328	BB	483599	6217430	91.74%	8.729%
11	17.229	17.153	17.295	BB	450071	6044760	89.19%	8.487%
Sum of corrected areas:						71227463		

FG102124.M Fri Nov 08 06:53:44 2024

DIESEL RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Chemtech Contract: ENTA05
ProjectID: North Point
Lab Code: CHEM Case No.: P4721 SAS No.: P4721 SDG No.: P4721
DataFile: FG014680.D Analyst Name: YP\AJ Analyst Date: 11-07-2024

Conc. (PPM)	Area Count	RF	Average RF	%D
500	66172095	132344	131085	0.96

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110724\
 Data File : FG014680.D
 Signal(s) : FID1A.ch
 Acq On : 07 Nov 2024 18:18
 Operator : YP\AJ
 Sample : 50 PPM TRPH STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 50 PPM TRPH STD

Integration File: autoint1.e
 Quant Time: Nov 08 05:26:52 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
 Quant Title :
 QLast Update : Mon Oct 21 17:03:32 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...	15.053	5814673	48.616 ug/ml
Target Compounds			
2) N-DECANE	4.577	6668814	53.860 ug/ml
3) N-DODECANE	6.749	6757103	53.614 ug/ml
4) N-TETRADECANE	8.581	6762147	52.627 ug/ml
5) N-HEXADECANE	10.192	6763129	51.940 ug/ml
6) N-OCTADECANE	11.639	6843172	50.999 ug/ml
7) N-EICOSANE	12.951	6854411	50.275 ug/ml
8) N-DOCOSANE	14.152	6575851	49.532 ug/ml
10) N-TETRACOSANE	15.257	6468880	48.531 ug/ml
11) N-HEXACOSANE	16.279	6330187	47.558 ug/ml
12) N-OCTACOSANE	17.230	6148401	46.363 ug/ml

(f)=RT Delta > 1/2 Window

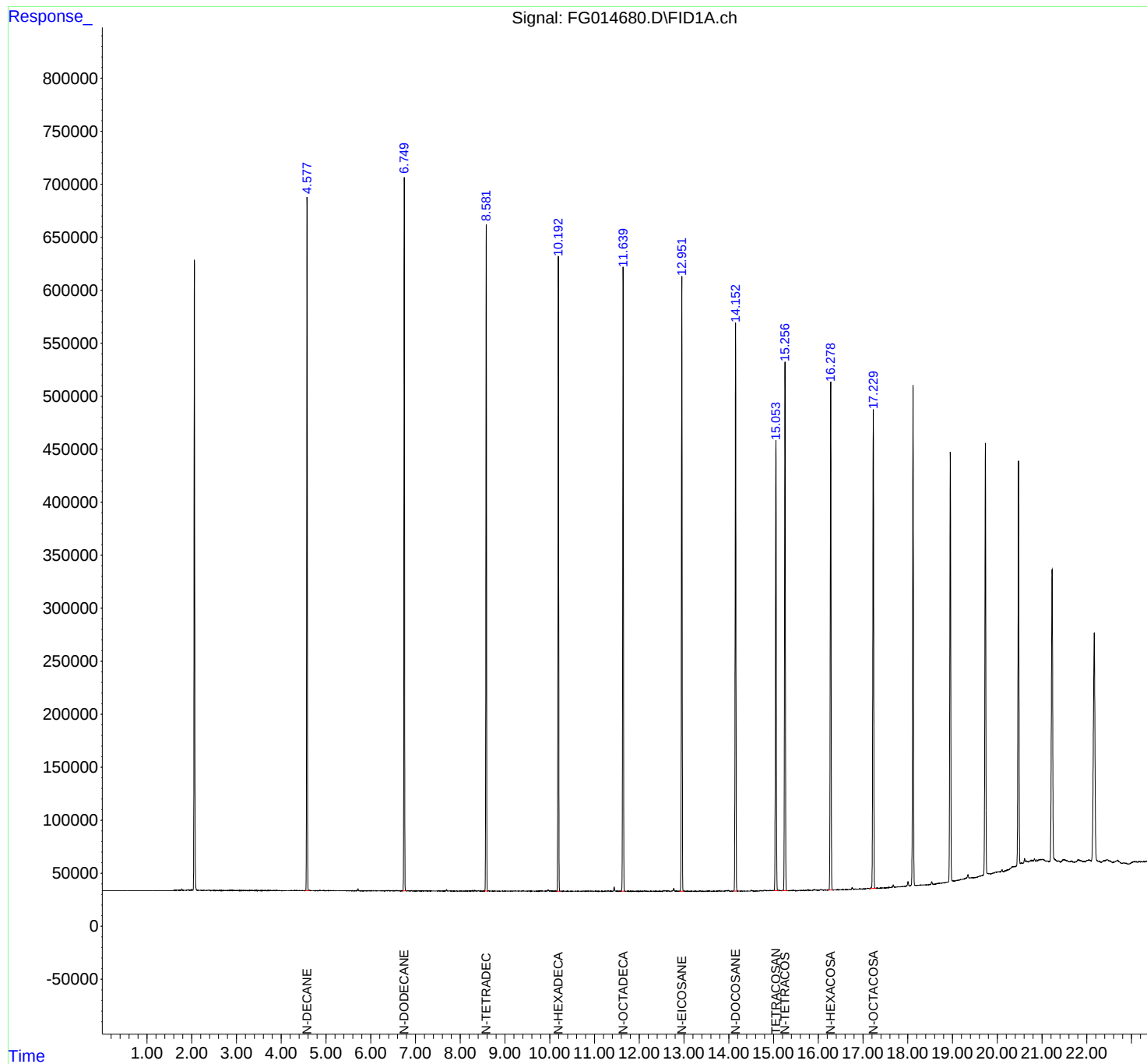
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110724\
Data File : FG014680.D
Signal(s) : FID1A.ch
Acq On : 07 Nov 2024 18:18
Operator : YP\AJ
Sample : 50 PPM TRPH STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
50 PPM TRPH STD

Integration File: autoint1.e
Quant Time: Nov 08 05:26:52 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Quant Title :
QLast Update : Mon Oct 21 17:03:32 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_G\Data\FG110724\
Data File : FG014680.D
Signal(s) : FID1A.ch
Acq On : 07 Nov 2024 18:18
Sample : 50 PPM TRPH STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.577	4.533	4.629	BB	653414	6668814	97.29%	9.264%
2	6.749	6.707	6.798	BB	673215	6757103	98.58%	9.387%
3	8.581	8.535	8.619	BB	628265	6762147	98.65%	9.394%
4	10.192	10.147	10.239	BB	599330	6763129	98.67%	9.395%
5	11.639	11.590	11.681	BB	588060	6843172	99.84%	9.506%
6	12.951	12.902	13.000	BB	579168	6854411	100.00%	9.522%
7	14.152	14.111	14.199	BB	536631	6575851	95.94%	9.135%
8	15.053	14.998	15.120	BB	424735	5814673	84.83%	8.077%
9	15.257	15.183	15.309	BB	498987	6468880	94.38%	8.986%
10	16.279	16.212	16.328	BB	478644	6330187	92.35%	8.794%
11	17.230	17.143	17.293	BB	451849	6148401	89.70%	8.541%
Sum of corrected areas:						71986768		

FG102124.M Fri Nov 08 06:55:12 2024

DIESEL RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Chemtech Contract: ENTA05
ProjectID: North Point
Lab Code: CHEM Case No.: P4721 SAS No.: P4721 SDG No.: P4721
DataFile: FG014691.D Analyst Name: YP\AJ Analyst Date: 11-08-2024

Conc. (PPM)	Area Count	RF	Average RF	%D
500	68297249	136594	131085	4.203

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110724\
 Data File : FG014691.D
 Signal(s) : FID1A.ch
 Acq On : 08 Nov 2024 00:54
 Operator : YP\AJ
 Sample : 50 PPM TRPH STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 50 PPM TRPH STD

Integration File: autoint1.e
 Quant Time: Nov 08 05:28:18 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
 Quant Title :
 QLast Update : Mon Oct 21 17:03:32 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...	15.051	6036330	50.469 ug/ml
Target Compounds			
2) N-DECANE	4.575	6857517	55.384 ug/ml
3) N-DODECANE	6.748	6949490	55.141 ug/ml
4) N-TETRADECANE	8.580	6956106	54.136 ug/ml
5) N-HEXADECANE	10.191	6958041	53.437 ug/ml
6) N-OCTADECANE	11.637	7046702	52.516 ug/ml
7) N-EICOSANE	12.950	7063679	51.810 ug/ml
8) N-DOCOSANE	14.150	6796668	51.196 ug/ml
10) N-TETRACOSANE	15.255	6698132	50.251 ug/ml
11) N-HEXACOSANE	16.277	6573676	49.387 ug/ml
12) N-OCTACOSANE	17.228	6397238	48.240 ug/ml

(f)=RT Delta > 1/2 Window

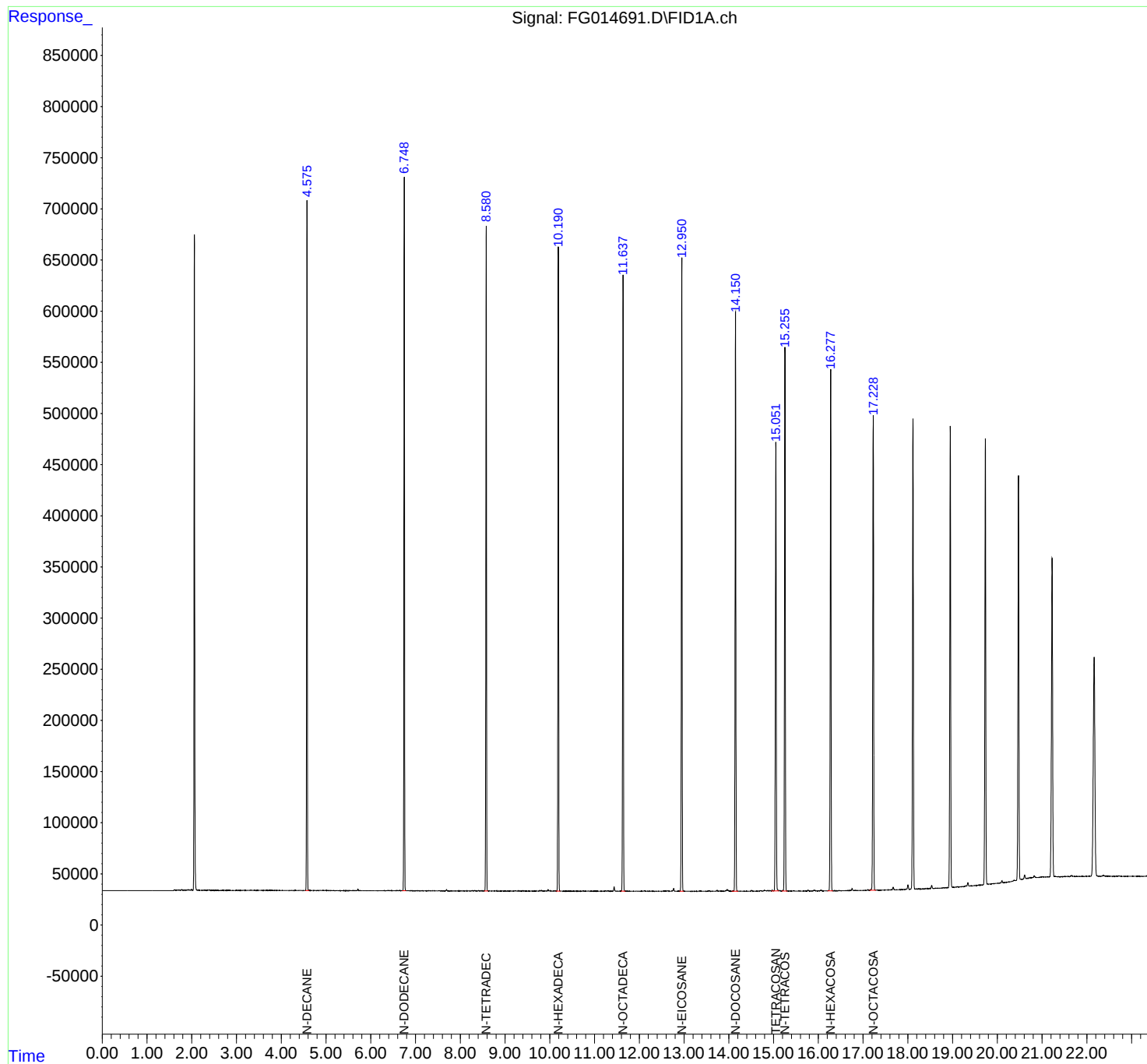
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110724\
Data File : FG014691.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 00:54
Operator : YP\AJ
Sample : 50 PPM TRPH STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
50 PPM TRPH STD

Integration File: autoint1.e
Quant Time: Nov 08 05:28:18 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Quant Title :
QLast Update : Mon Oct 21 17:03:32 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_G\Data\FG110724\
Data File : FG014691.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 00:54
Sample : 50 PPM TRPH STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.575	4.541	4.624	BB	673738	6857517	97.08%	9.225%
2	6.748	6.701	6.788	BB	696651	6949490	98.38%	9.349%
3	8.580	8.533	8.623	BB	649918	6956106	98.48%	9.358%
4	10.191	10.143	10.235	BB	630025	6958041	98.50%	9.361%
5	11.637	11.589	11.690	BB	601583	7046702	99.76%	9.480%
6	12.950	12.899	12.993	BB	618501	7063679	100.00%	9.503%
7	14.150	14.065	14.208	BB	566317	6796668	96.22%	9.143%
8	15.051	14.953	15.118	BB	438950	6036330	85.46%	8.121%
9	15.255	15.181	15.309	BB	531981	6698132	94.82%	9.011%
10	16.277	16.204	16.329	BB	509380	6573676	93.06%	8.843%
11	17.228	17.141	17.288	BB	464761	6397238	90.57%	8.606%
Sum of corrected areas:						74333578		

FG102124.M Fri Nov 08 06:56:49 2024

DIESEL RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Chemtech Contract: ENTA05
ProjectID: North Point
Lab Code: CHEM Case No.: P4721 SAS No.: P4721 SDG No.: P4721
DataFile: FG014701.D Analyst Name: YP\AJ Analyst Date: 11-08-2024

Conc. (PPM)	Area Count	RF	Average RF	%D
500	69469202	138938	131085	5.991

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110724\
 Data File : FG014701.D
 Signal(s) : FID1A.ch
 Acq On : 08 Nov 2024 07:02
 Operator : YP\AJ
 Sample : 50 PPM TRPH STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 50 PPM TRPH STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/08/2024
 Supervised By :Ankita Jodhani 11/08/2024

Integration File: autoint1.e
 Quant Time: Nov 08 07:13:43 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
 Quant Title :
 QLast Update : Mon Oct 21 17:03:32 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...	15.050	6146209	51.388 ug/ml
Target Compounds			
2) N-DECANE	4.575	6989354	56.449 ug/ml
3) N-DODECANE	6.747	7073218	56.122 ug/ml
4) N-TETRADECANE	8.579	7067867	55.006 ug/ml
5) N-HEXADECANE	10.190	7061470	54.231 ug/ml
6) N-OCTADECANE	11.636	7148339	53.273 ug/ml
7) N-EICOSANE	12.949	7169341	52.585 ug/ml
8) N-DOCOSANE	14.150	6900536	51.978 ug/ml
10) N-TETRACOSANE	15.254	6822517	51.184 ug/ml
11) N-HEXACOSANE	16.276	6705355	50.376 ug/ml
12) N-OCTACOSANE	17.228	6531205	49.250 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110724\
Data File : FG014701.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 07:02
Operator : YP\AJ
Sample : 50 PPM TRPH STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

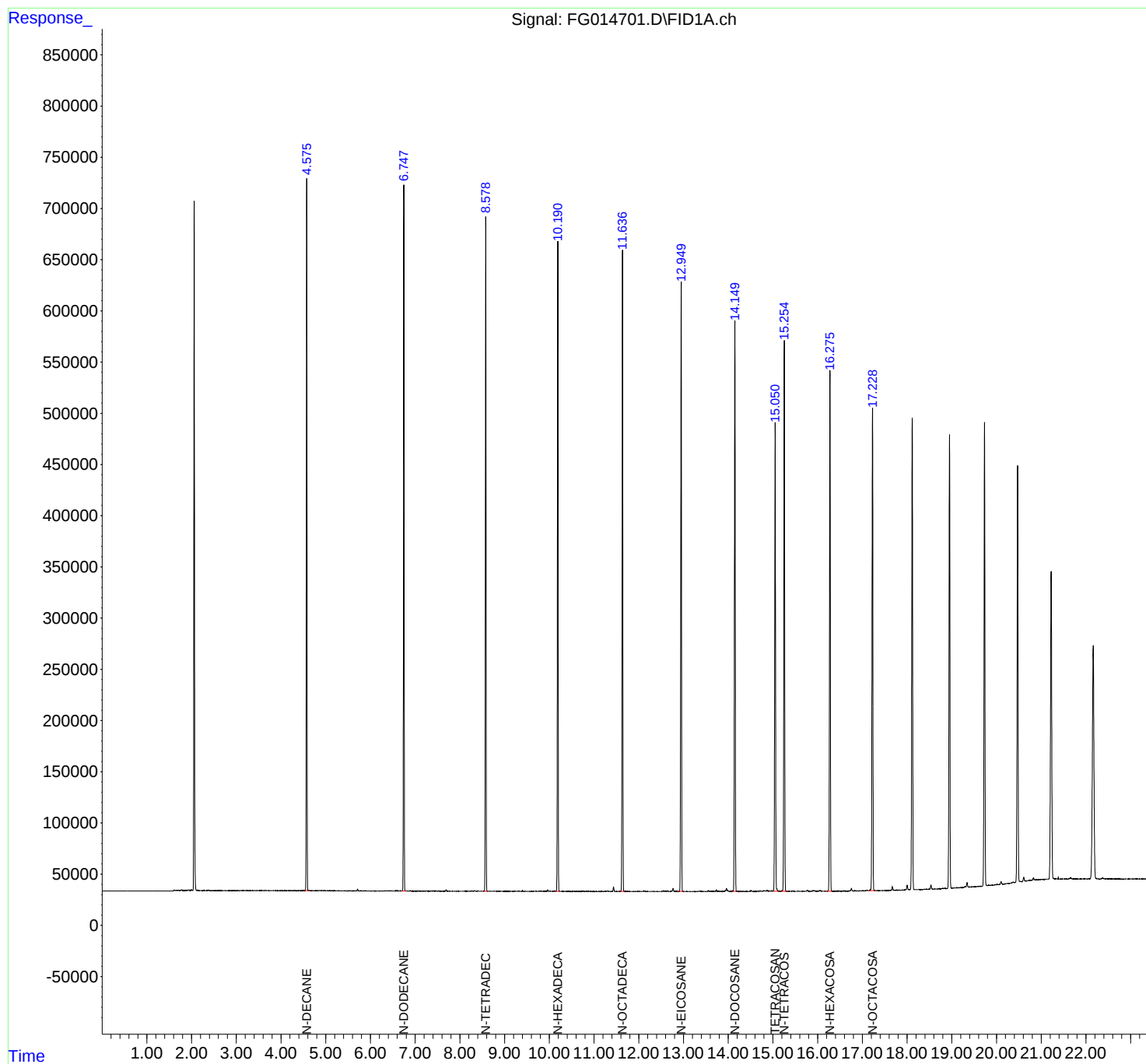
Instrument :
FID_G
ClientSampleId :
50 PPM TRPH STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Integration File: autoint1.e
Quant Time: Nov 08 07:13:43 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Quant Title :
QLast Update : Mon Oct 21 17:03:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Instrument :
FID_G
LabSampleId :
50 PPM TRPH STD
Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG11072
Data File : FG014701.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 07:02
Sample : 50 PPM TRPH STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.575	4.532	4.631	BB	696190	6989354	97.49%	9.242%
2	6.747	6.706	6.797	BB	688715	7073218	98.66%	9.353%
3	8.579	8.533	8.624	BB	657981	7067867	98.58%	9.346%
4	10.190	10.142	10.237	BB	634612	7061470	98.50%	9.337%
5	11.636	11.587	11.688	BB	626388	7148339	99.71%	9.452%
6	12.949	12.898	12.998	BB	594072	7169341	100.00%	9.480%
7	14.150	14.109	14.198	VB	556753	6900536	96.25%	9.124%
8	15.050	15.007	15.119	BV	456625	6146209	85.73%	8.127%
9	15.254	15.175	15.313	BB	538307	6822517	95.16%	9.021%
10	16.276	16.198	16.336	BB	508207	6705355	93.53%	8.866%
11	17.228	17.067	17.290	BB	470908	6542538	91.26%	8.651%
Sum of corrected areas:						75626744		

FG102124.M Fri Nov 08 07:16:22 2024

DIESEL RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Chemtech Contract: ENTA05
ProjectID: North Point
Lab Code: CHEM Case No.: P4721 SAS No.: P4721 SDG No.: P4721
DataFile: FG014709.D Analyst Name: YP\AJ Analyst Date: 11-08-2024

Conc. (PPM)	Area Count	RF	Average RF	%D
500	67484312	134969	131085	2.963

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110724\
 Data File : FG014709.D
 Signal(s) : FID1A.ch
 Acq On : 08 Nov 2024 11:49
 Operator : YP\AJ
 Sample : 50 PPM TRPH STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 50 PPM TRPH STD

Integration File: autoint1.e
 Quant Time: Nov 09 00:05:30 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
 Quant Title :
 QLast Update : Mon Oct 21 17:03:32 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...	15.050	5935276	49.624 ug/ml
Target Compounds			
2) N-DECANE	4.574	6862086	55.421 ug/ml
3) N-DODECANE	6.747	6926662	54.960 ug/ml
4) N-TETRADECANE	8.579	6897819	53.683 ug/ml
5) N-HEXADECANE	10.191	6865607	52.727 ug/ml
6) N-OCTADECANE	11.637	6930832	51.652 ug/ml
7) N-EICOSANE	12.950	6938986	50.895 ug/ml
8) N-DOCOSANE	14.149	6666397	50.214 ug/ml
10) N-TETRACOSANE	15.254	6589722	49.437 ug/ml
11) N-HEXACOSANE	16.277	6476445	48.656 ug/ml
12) N-OCTACOSANE	17.227	6329756	47.731 ug/ml

(f)=RT Delta > 1/2 Window

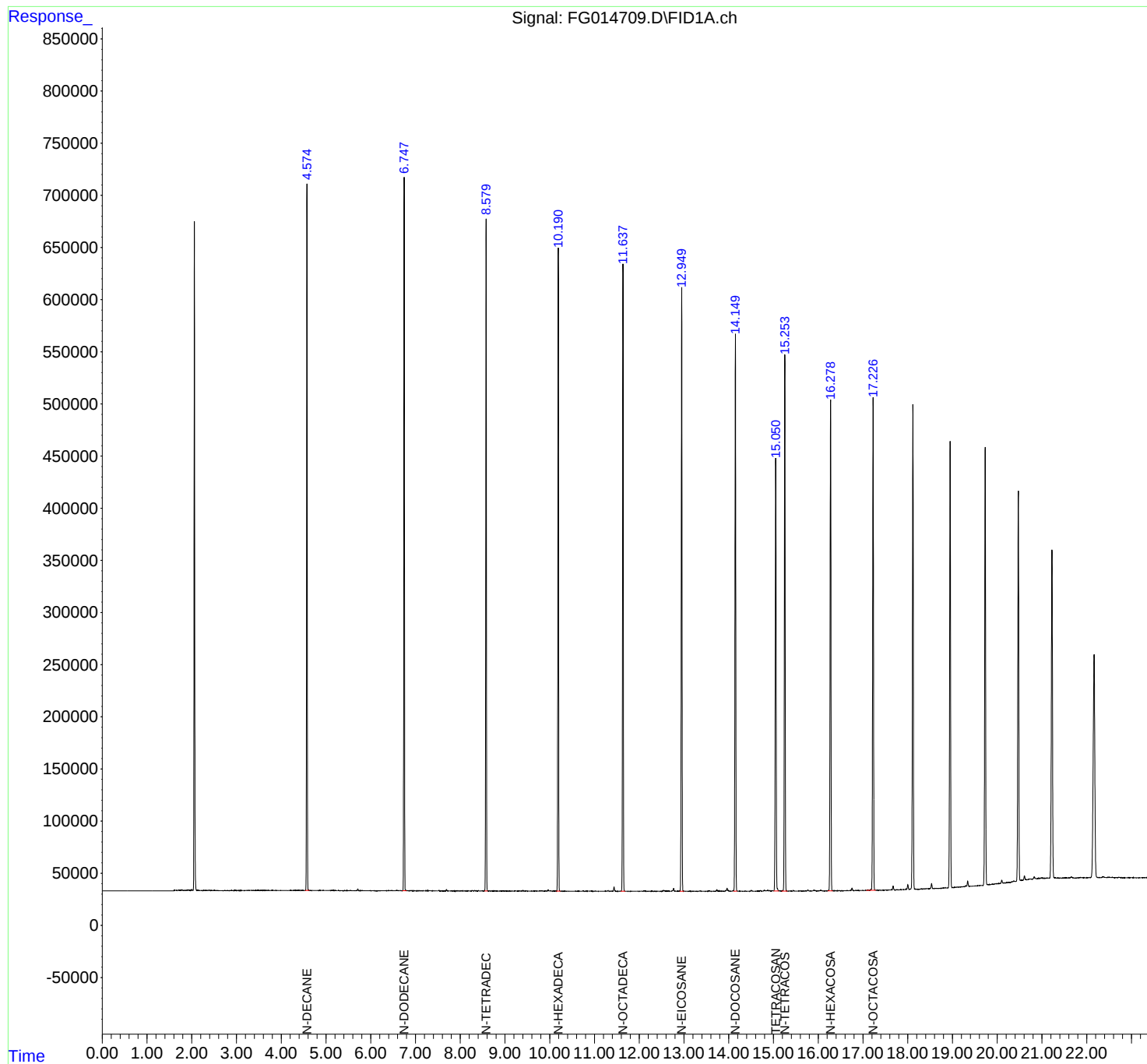
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110724\
Data File : FG014709.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 11:49
Operator : YP\AJ
Sample : 50 PPM TRPH STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
50 PPM TRPH STD

Integration File: autoint1.e
Quant Time: Nov 09 00:05:30 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Quant Title :
QLast Update : Mon Oct 21 17:03:32 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_G\Data\FG110724\
Data File : FG014709.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 11:49
Sample : 50 PPM TRPH STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.575	4.533	4.629	BB	676994	6862086	98.89%	9.346%
2	6.747	6.708	6.799	BB	684600	6926662	99.82%	9.434%
3	8.579	8.543	8.615	BB	645489	6897819	99.41%	9.395%
4	10.191	10.144	10.241	BB	616495	6865607	98.94%	9.351%
5	11.637	11.588	11.687	BB	601332	6930832	99.88%	9.440%
6	12.950	12.903	13.001	BB	578729	6938986	100.00%	9.451%
7	14.149	14.111	14.188	VB	533585	6666397	96.07%	9.080%
8	15.050	15.006	15.119	BV	415039	5935276	85.54%	8.084%
9	15.254	15.178	15.312	BB	513808	6589722	94.97%	8.975%
10	16.277	16.211	16.324	BB	470694	6476445	93.33%	8.821%
11	17.227	17.073	17.288	BB	472690	6329756	91.22%	8.621%
Sum of corrected areas:						73419587		

FG102124.M Sat Nov 09 00:18:32 2024

Analytical Sequence

Client: ENTACT

SDG No.: P4721

Project: North Point

Instrument ID: FID_G

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 15.0822					
EPA SAMPLE NO.	LAB SAMPLE ID	DATE AND TIME ANALYZED	DATAFILE	RT	#
PIBLK01	LBLK01	07 Nov 2024 11:09	FG014668.D	15.047	
50 PPM TRPH STD	50 PPM TRPH STD	07 Nov 2024 12:09	FG014669.D	15.052	
EX-11-TPH-3	P4721-06	07 Nov 2024 15:56	FG014676.D	15.050	
PIBLK02	LBLK02	07 Nov 2024 17:21	FG014679.D	15.050	
50 PPM TRPH STD	50 PPM TRPH STD	07 Nov 2024 18:18	FG014680.D	15.053	
PB164744BL	PB164744BL	07 Nov 2024 19:43	FG014681.D	15.049	
PB164744BS	PB164744BS	07 Nov 2024 20:11	FG014682.D	15.048	
EX-9-TPH-2	P4721-09	07 Nov 2024 20:39	FG014683.D	15.050	
EX-9-TPH-2MS	P4721-09MS	07 Nov 2024 21:08	FG014684.D	15.048	
EX-9-TPH-2MSD	P4721-09MSD	07 Nov 2024 21:36	FG014685.D	15.049	
EX-9-TPH-3	P4721-10	07 Nov 2024 22:05	FG014686.D	15.046	
EX-9-TPH-4	P4721-11	07 Nov 2024 22:33	FG014687.D	15.046	
PIBLK03	LBLK03	07 Nov 2024 23:58	FG014690.D	15.048	
50 PPM TRPH STD	50 PPM TRPH STD	08 Nov 2024 00:54	FG014691.D	15.051	
EX-2-TPH-1	P4721-01	08 Nov 2024 03:16	FG014694.D	00.000	
EX-2-TPH-2	P4721-02	08 Nov 2024 03:44	FG014695.D	00.000	
EX-2-TPH-3	P4721-03	08 Nov 2024 04:12	FG014696.D	00.000	
EX-11-TPH-1	P4721-04	08 Nov 2024 04:41	FG014697.D	00.000	
EX-11-TPH-2	P4721-05	08 Nov 2024 05:09	FG014698.D	00.000	
PIBLK04	LBLK04	08 Nov 2024 06:06	FG014700.D	15.046	
50 PPM TRPH STD	50 PPM TRPH STD	08 Nov 2024 07:02	FG014701.D	15.050	
EX-9-TPH-1	P4721-08	08 Nov 2024 08:31	FG014702.D	15.049	
EX-9-TPH-5	P4721-12	08 Nov 2024 08:59	FG014703.D	15.047	
EX-9-TPH-6	P4721-13	08 Nov 2024 09:27	FG014704.D	15.047	
EX-9-TPH-8	P4721-15	08 Nov 2024 09:56	FG014705.D	15.046	
EX-11-TPH-4	P4721-07	08 Nov 2024 10:24	FG014706.D	00.000	
EX-9-TPH-7	P4721-14	08 Nov 2024 10:52	FG014707.D	00.0000	
PIBLK05	LBLK05	08 Nov 2024 11:21	FG014708.D	15.046	
50 PPM TRPH STD	50 PPM TRPH STD	08 Nov 2024 11:49	FG014709.D	15.050	



QC SAMPLE DATA

Report of Analysis

Client:	ENTACT		Date Collected:		
Project:	North Point		Date Received:		
Client Sample ID:	PB164744BL		SDG No.:	P4721	
Lab Sample ID:	PB164744BL		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
FG014681.D	1	11/07/24 08:30	11/07/24 19:43	PB164744

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	14.8		37 - 130	74%	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_G\Data\FG110724\
Data File : FG014681.D
Signal(s) : FID1A.ch
Acq On : 07 Nov 2024 19:43
Operator : YP\AJ
Sample : PB164744BL
Misc :
ALS Vial : 69 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PB164744BL

Integration File: autoint1.e
Quant Time: Nov 08 05:27:00 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Quant Title :
QLast Update : Mon Oct 21 17:03:32 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...	15.049	1775897	14.848 ug/ml

Target Compounds

(f)=RT Delta > 1/2 Window

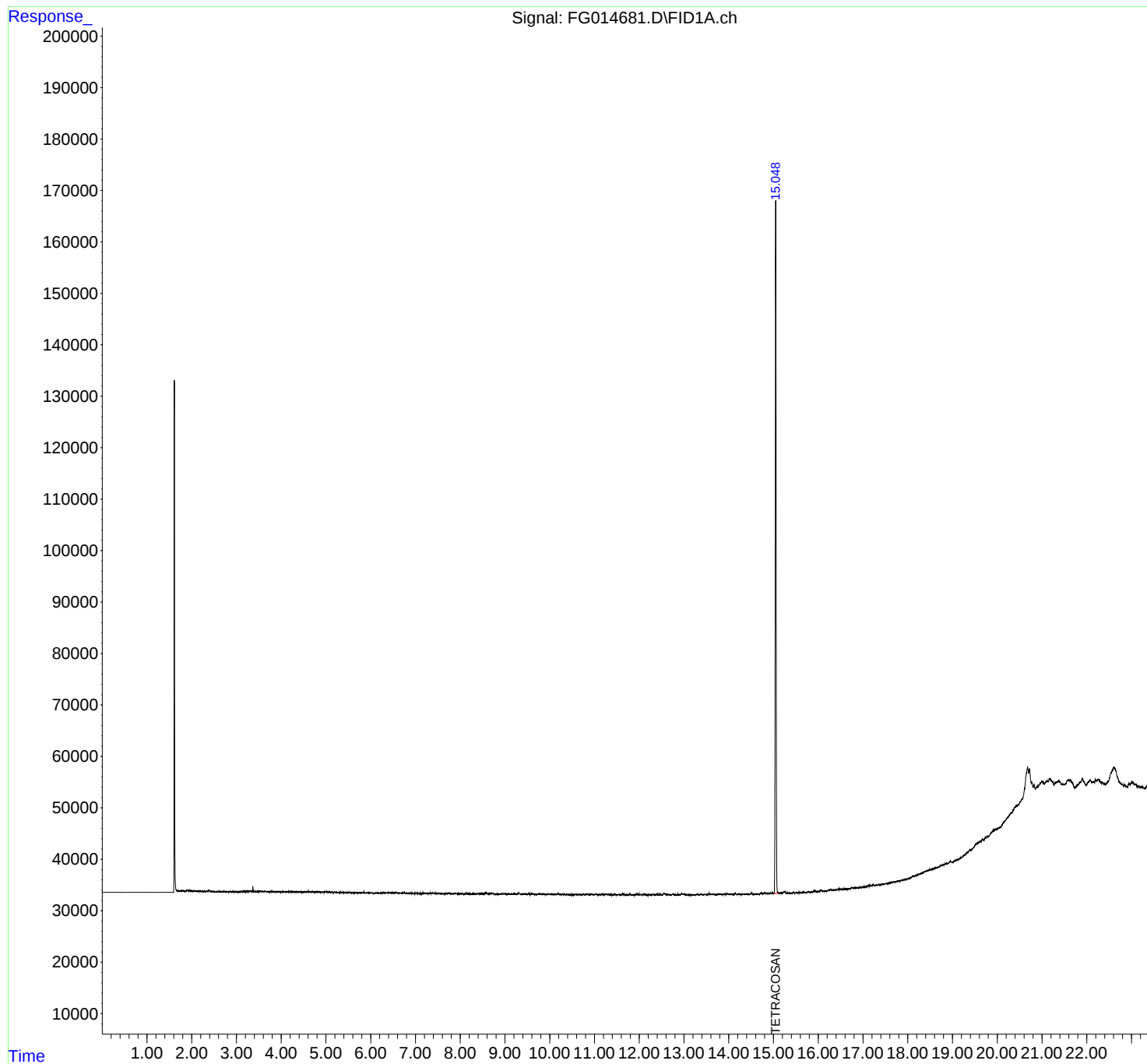
(m)=manual int.

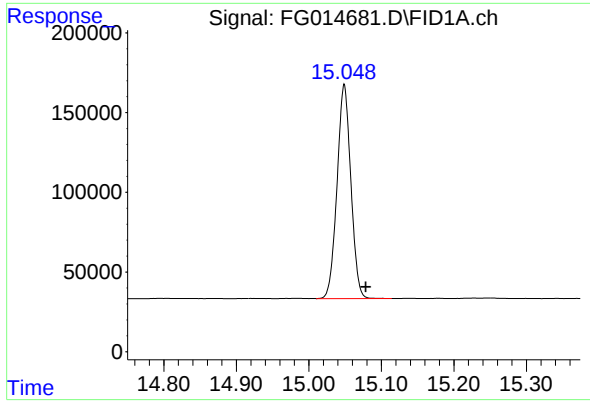
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110724\
Data File : FG014681.D
Signal(s) : FID1A.ch
Acq On : 07 Nov 2024 19:43
Operator : YP\AJ
Sample : PB164744BL
Misc :
ALS Vial : 69 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PB164744BL

Integration File: autoint1.e
Quant Time: Nov 08 05:27:00 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Quant Title :
QLast Update : Mon Oct 21 17:03:32 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.: 15.049 min
Delta R.T.: -0.030 min
Response: 1775897
Conc: 14.85 ug/ml

Instrument :
FID_G
ClientSampleId :
PB164744BL

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110724\
Data File : FG014681.D
Signal(s) : FID1A.ch
Acq On : 07 Nov 2024 19:43
Sample : PB164744BL
Misc :
ALS Vial : 69 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	15.049	15.010	15.114	BB	134691	1775897	100.00%	100.000%
Sum of corrected areas:						1775897		

FG102124.M Fri Nov 08 06:55:46 2024

Report of Analysis

Client:	ENTACT	Date Collected:	11/07/24
Project:	North Point	Date Received:	11/07/24
Client Sample ID:	PIBLK-FG014668.D	SDG No.:	P4721
Lab Sample ID:	I.BLK-FG014668.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
FG014668.D	1		11/07/24	FG110724

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	81%	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_G\Data\FG110724\
Data File : FG014668.D
Signal(s) : FID1A.ch
Acq On : 07 Nov 2024 11:09
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
I.BLK

Integration File: autoint1.e
Quant Time: Nov 08 05:25:16 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Quant Title :
QLast Update : Mon Oct 21 17:03:32 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...	15.047	1943861	16.252 ug/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

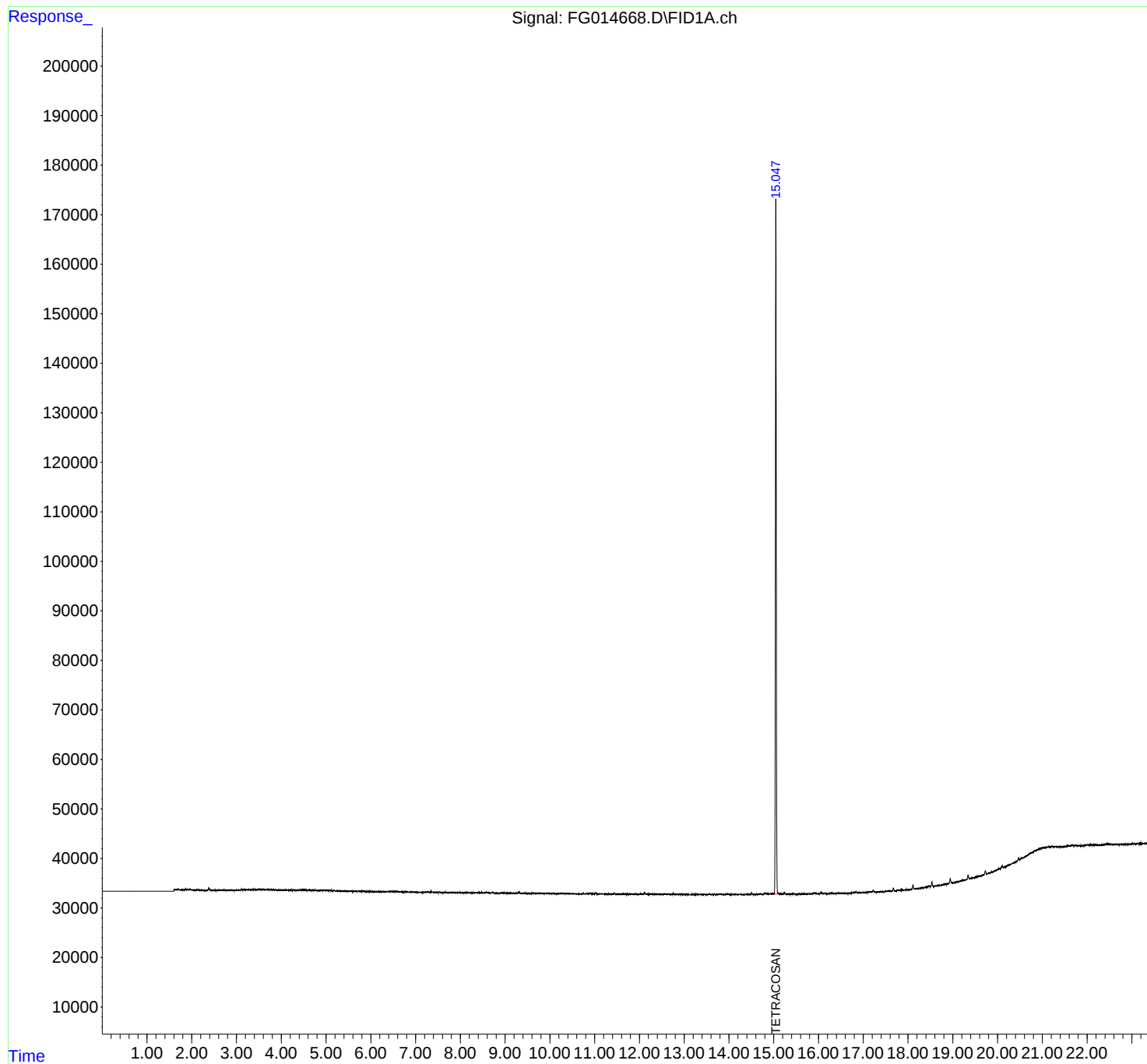
(m)=manual int.

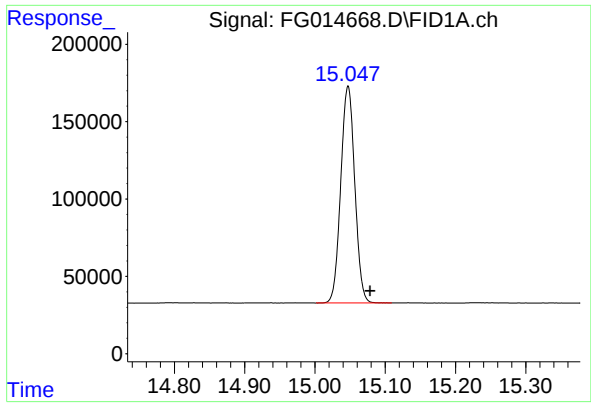
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110724\
Data File : FG014668.D
Signal(s) : FID1A.ch
Acq On : 07 Nov 2024 11:09
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
I.BLK

Integration File: autoint1.e
Quant Time: Nov 08 05:25:16 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Quant Title :
QLast Update : Mon Oct 21 17:03:32 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.: 15.047 min
Delta R.T.: -0.031 min
Response: 1943861
Conc: 16.25 ug/ml

Instrument :
FID_G
ClientSampleId :
I.BLK

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110724\
Data File : FG014668.D
Signal(s) : FID1A.ch
Acq On : 07 Nov 2024 11:09
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	15.047	15.002	15.109	BB	140389	1943861	100.00%	100.000%
Sum of corrected areas:						1943861		

FG102124.M Fri Nov 08 06:53:21 2024

Report of Analysis

Client:	ENTACT	Date Collected:	11/07/24
Project:	North Point	Date Received:	11/07/24
Client Sample ID:	PIBLK-FG014679.D	SDG No.:	P4721
Lab Sample ID:	I.BLK-FG014679.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
FG014679.D	1		11/07/24	FG110724

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	16.9		29 - 130	84%	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_G\Data\FG110724\
Data File : FG014679.D
Signal(s) : FID1A.ch
Acq On : 07 Nov 2024 17:21
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
I.BLK

Integration File: autoint1.e
Quant Time: Nov 08 05:26:45 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Quant Title :
QLast Update : Mon Oct 21 17:03:32 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...	15.050	2016306	16.858 ug/ml

Target Compounds

(f)=RT Delta > 1/2 Window

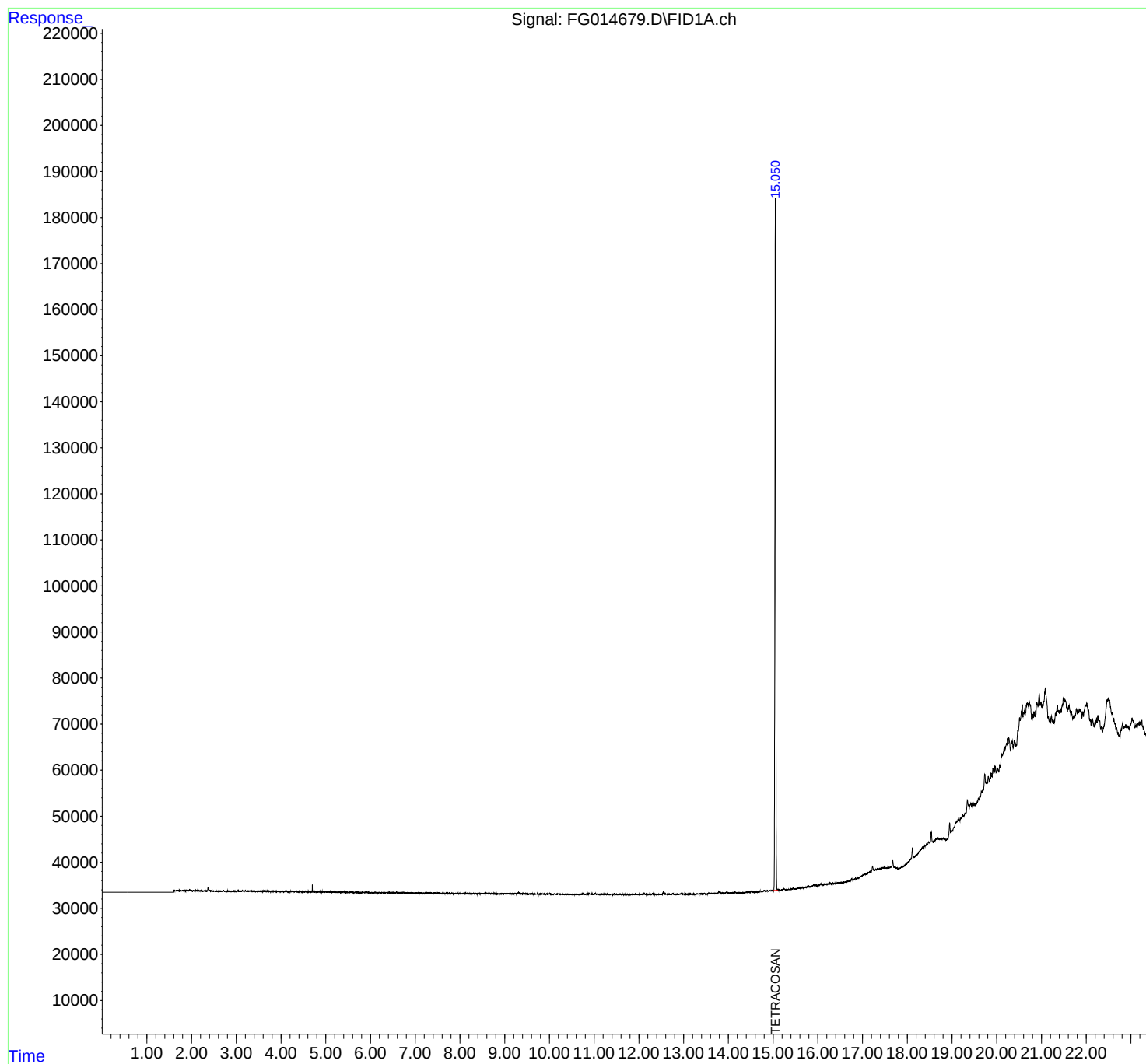
(m)=manual int.

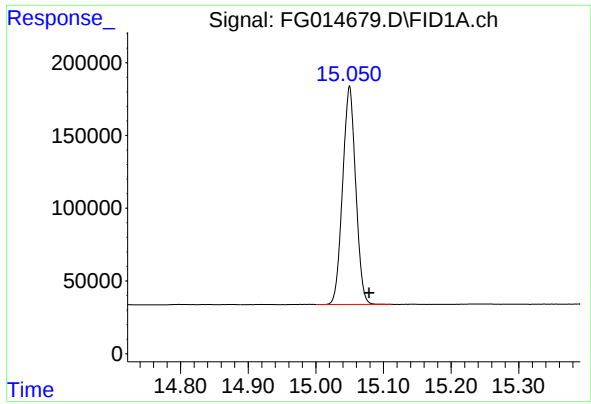
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110724\
Data File : FG014679.D
Signal(s) : FID1A.ch
Acq On : 07 Nov 2024 17:21
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
I.BLK

Integration File: autoint1.e
Quant Time: Nov 08 05:26:45 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Quant Title :
QLast Update : Mon Oct 21 17:03:32 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.: 15.050 min
Delta R.T.: -0.029 min
Response: 2016306
Conc: 16.86 ug/ml

Instrument :
FID_G
ClientSampleId :
I.BLK

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110724\
Data File : FG014679.D
Signal(s) : FID1A.ch
Acq On : 07 Nov 2024 17:21
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	15.050	15.000	15.112	BB	150244	2016306	100.00%	100.000%
Sum of corrected areas:						2016306		

FG102124.M Fri Nov 08 06:54:15 2024

Report of Analysis

Client:	ENTACT	Date Collected:	11/07/24
Project:	North Point	Date Received:	11/07/24
Client Sample ID:	PIBLK-FG014690.D	SDG No.:	P4721
Lab Sample ID:	I.BLK-FG014690.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
FG014690.D	1		11/07/24	FG110724

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	17.7		29 - 130	88%	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_G\Data\FG110724\
Data File : FG014690.D
Signal(s) : FID1A.ch
Acq On : 07 Nov 2024 23:58
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
I.BLK

Integration File: autoint1.e
Quant Time: Nov 08 05:28:11 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Quant Title :
QLast Update : Mon Oct 21 17:03:32 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...	15.048	2116617	17.697 ug/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

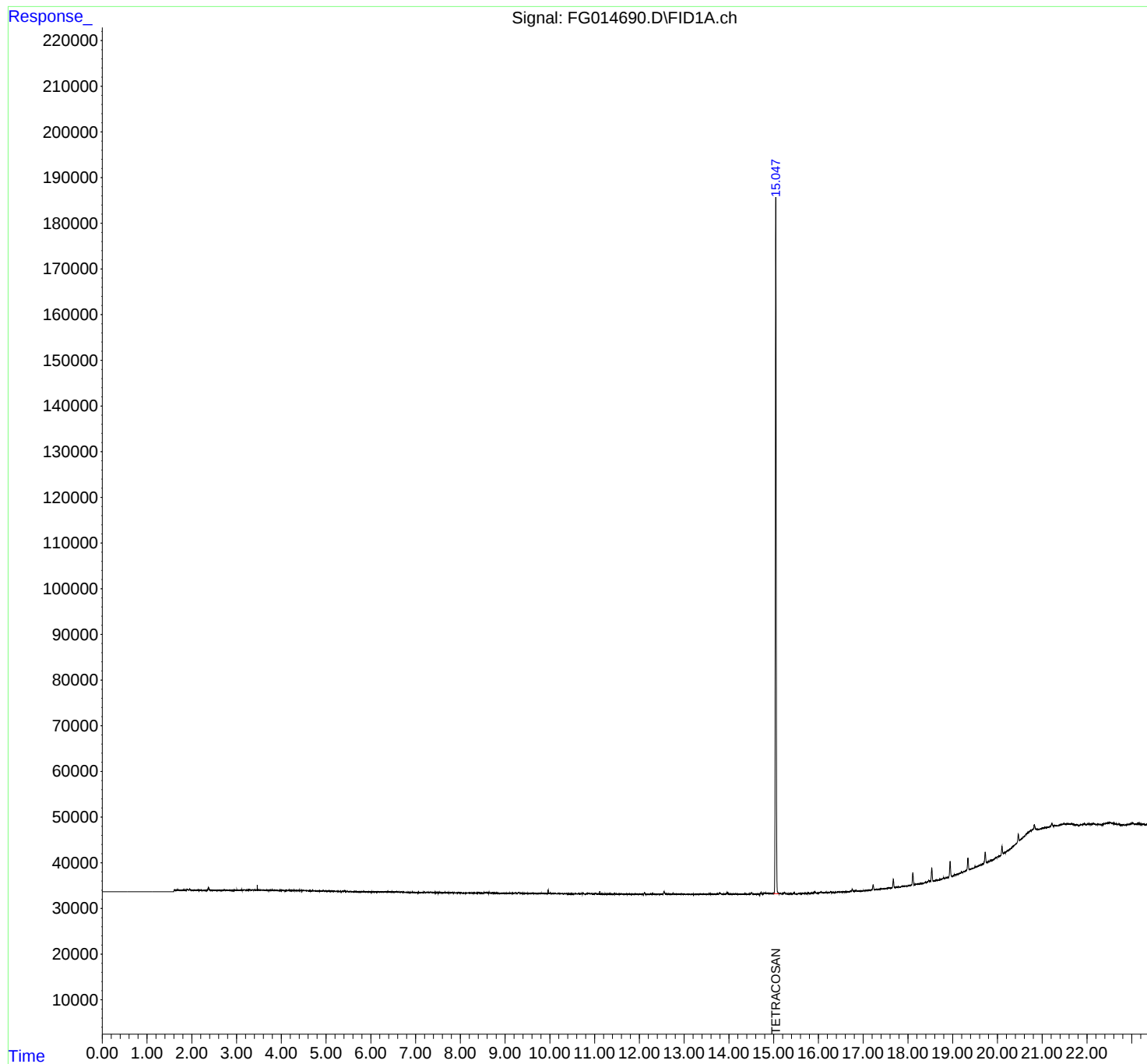
(m)=manual int.

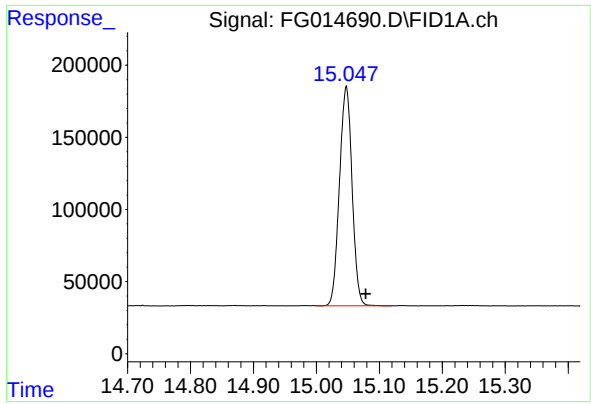
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110724\
Data File : FG014690.D
Signal(s) : FID1A.ch
Acq On : 07 Nov 2024 23:58
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
I.BLK

Integration File: autoint1.e
Quant Time: Nov 08 05:28:11 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Quant Title :
QLast Update : Mon Oct 21 17:03:32 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.: 15.048 min
Delta R.T.: -0.031 min
Response: 2116617
Conc: 17.70 ug/ml

Instrument :
FID_G
ClientSampleId :
I.BLK

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110724\
Data File : FG014690.D
Signal(s) : FID1A.ch
Acq On : 07 Nov 2024 23:58
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	15.048	15.000	15.120	BB	152445	2116617	100.00%	100.000%
Sum of corrected areas:						2116617		

FG102124.M Fri Nov 08 06:56:27 2024

Report of Analysis

Client:	ENTACT	Date Collected:	11/08/24
Project:	North Point	Date Received:	11/08/24
Client Sample ID:	PIBLK-FG014700.D	SDG No.:	P4721
Lab Sample ID:	I.BLK-FG014700.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
FG014700.D	1		11/08/24	FG110724

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	17.7		29 - 130	89%	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_G\Data\FG110724\
Data File : FG014700.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 06:06
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
I.BLK

Integration File: autoint1.e
Quant Time: Nov 08 07:13:36 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Quant Title :
QLast Update : Mon Oct 21 17:03:32 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...	15.046	2122351	17.745 ug/ml

Target Compounds

(f)=RT Delta > 1/2 Window

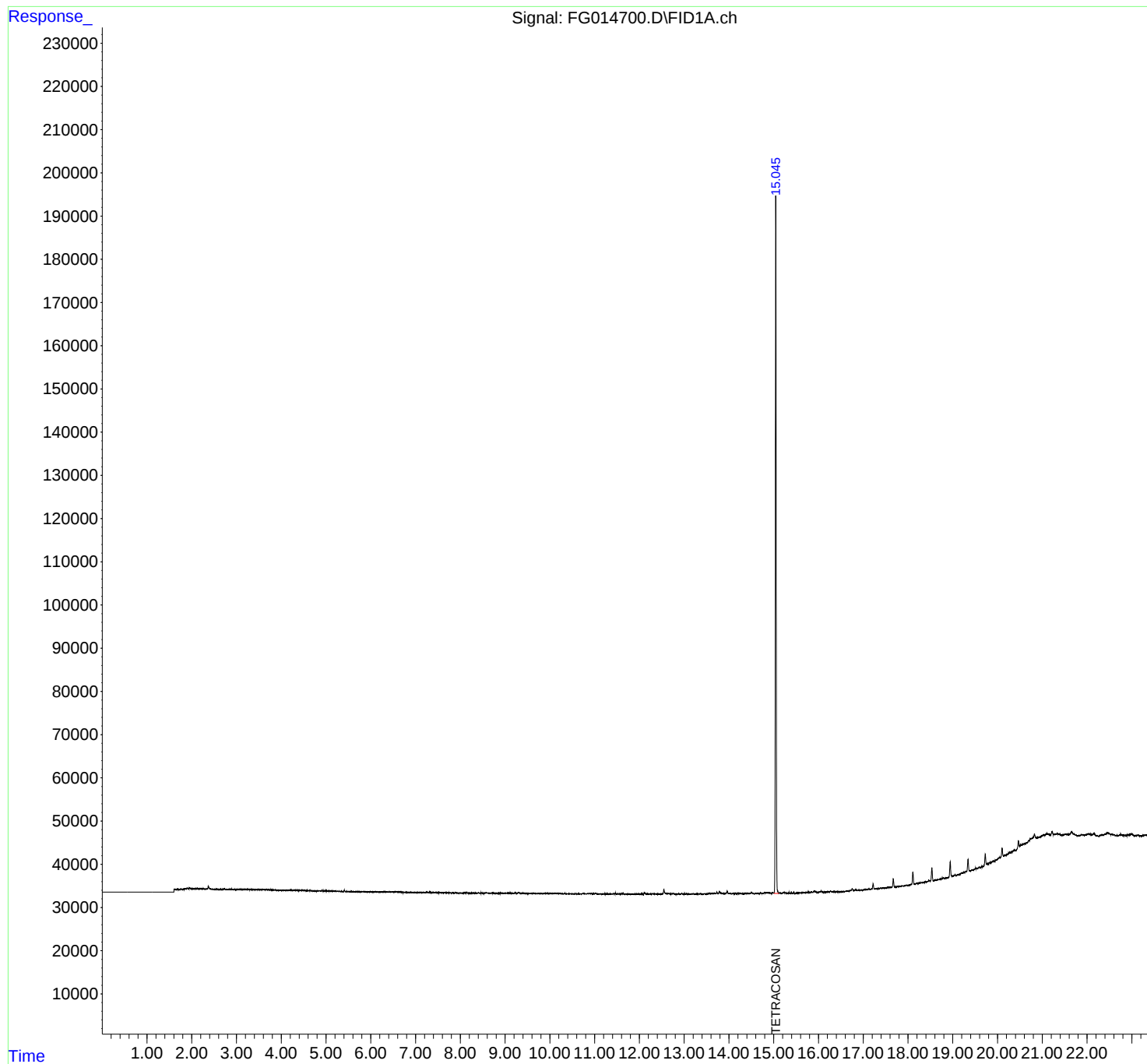
(m)=manual int.

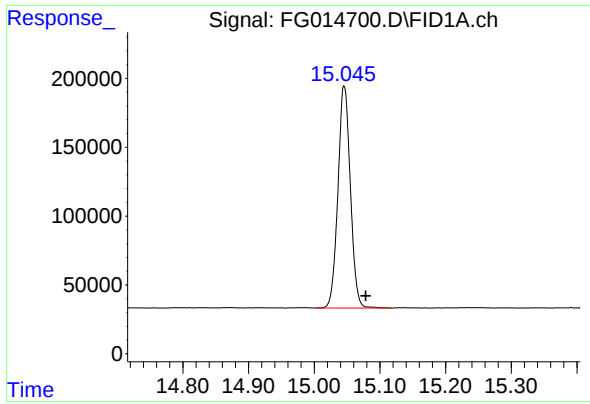
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110724\
Data File : FG014700.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 06:06
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
I.BLK

Integration File: autoint1.e
Quant Time: Nov 08 07:13:36 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Quant Title :
QLast Update : Mon Oct 21 17:03:32 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.: 15.046 min
Delta R.T.: -0.033 min
Response: 2122351
Conc: 17.74 ug/ml

Instrument :
FID_G
ClientSampleId :
I.BLK

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110724\
Data File : FG014700.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 06:06
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	15.046	15.003	15.118	BB	161144	2122351	100.00%	100.000%
Sum of corrected areas:						2122351		

FG102124.M Fri Nov 08 07:11:21 2024

Report of Analysis

Client:	ENTACT	Date Collected:	11/08/24
Project:	North Point	Date Received:	11/08/24
Client Sample ID:	PIBLK-FG014708.D	SDG No.:	P4721
Lab Sample ID:	I.BLK-FG014708.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
FG014708.D	1		11/08/24	FG110724

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	17.2		29 - 130	86%	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_G\Data\FG110724\
Data File : FG014708.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 11:21
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
I.BLK

Integration File: autoint1.e
Quant Time: Nov 09 00:05:22 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Quant Title :
QLast Update : Mon Oct 21 17:03:32 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...	15.046	2060561	17.228 ug/ml

Target Compounds

(f)=RT Delta > 1/2 Window

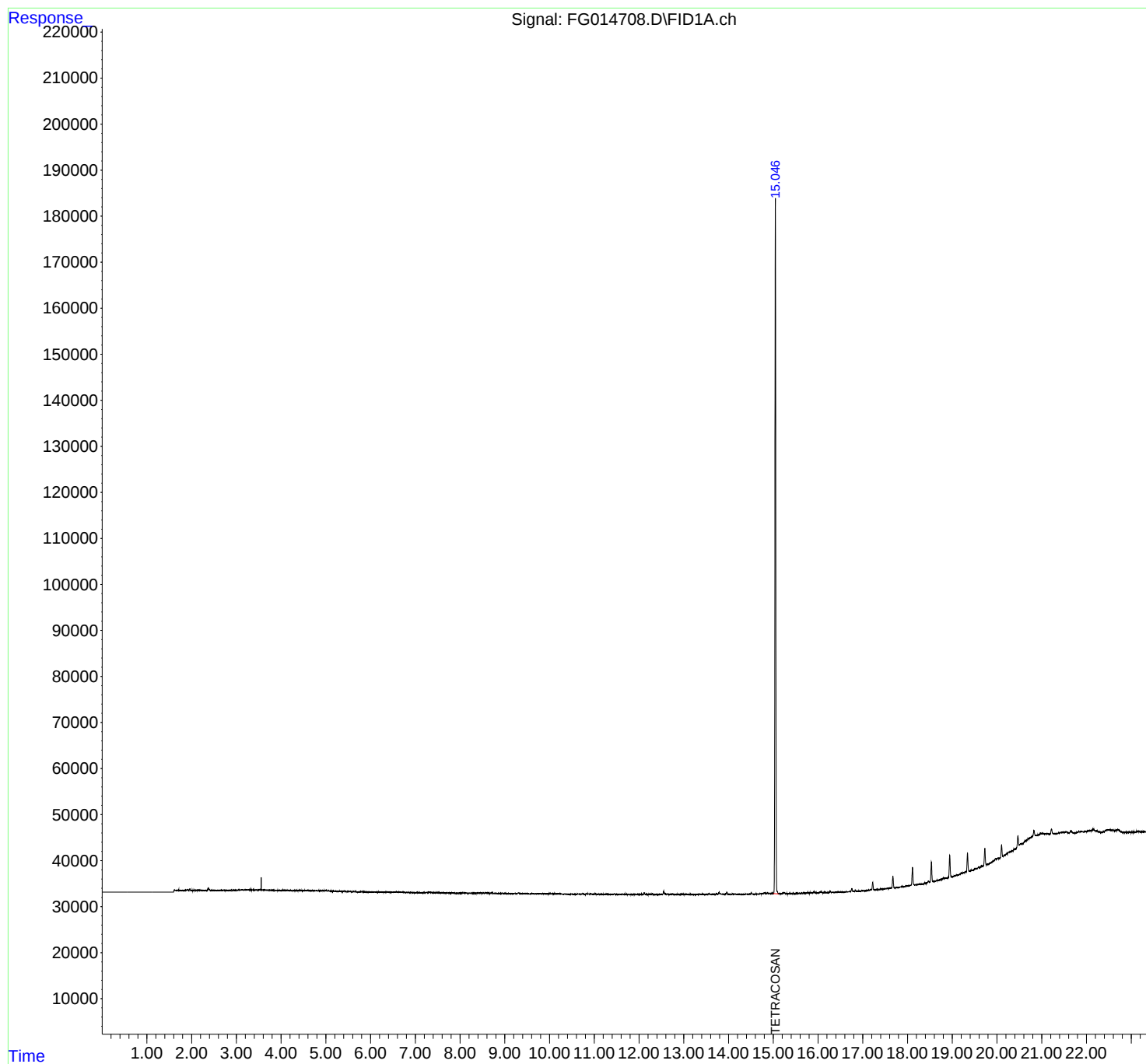
(m)=manual int.

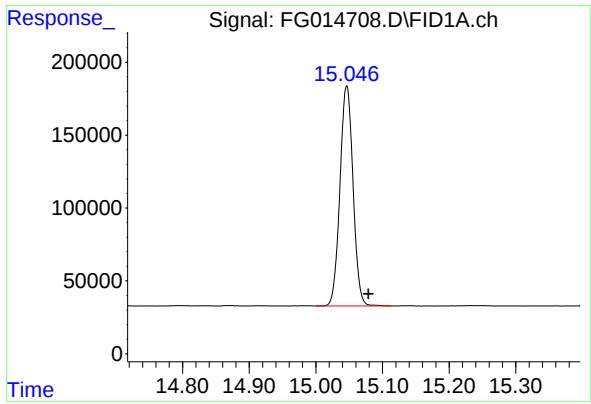
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110724\
Data File : FG014708.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 11:21
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
I.BLK

Integration File: autoint1.e
Quant Time: Nov 09 00:05:22 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Quant Title :
QLast Update : Mon Oct 21 17:03:32 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.: 15.046 min
Delta R.T.: -0.032 min
Response: 2060561
Conc: 17.23 ug/ml

Instrument :
FID_G
ClientSampleId :
I.BLK

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110724\
Data File : FG014708.D
Signal(s) : FID1A.ch
Acq On : 08 Nov 2024 11:21
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	15.046	15.000	15.113	BB	151037	2060561	100.00%	100.000%
Sum of corrected areas:						2060561		

FG102124.M Sat Nov 09 00:18:48 2024

Report of Analysis

Client:	ENTACT		Date Collected:		
Project:	North Point		Date Received:		
Client Sample ID:	PB164744BS		SDG No.:	P4721	
Lab Sample ID:	PB164744BS		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
FG014682.D	1	11/07/24 08:30	11/07/24 20:11	PB164744

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	7370		185	1670	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	16.4		37 - 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_G\Data\FG110724\
 Data File : FG014682.D
 Signal(s) : FID1A.ch
 Acq On : 07 Nov 2024 20:11
 Operator : YP\AJ
 Sample : PB164744BS
 Misc :
 ALS Vial : 70 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 PB164744BS

Integration File: autoint1.e
 Quant Time: Nov 08 05:27:07 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
 Quant Title :
 QLast Update : Mon Oct 21 17:03:32 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...	15.048	1961445	16.399 ug/ml
Target Compounds			
2) N-DECANE	4.575	2767494	22.351 ug/ml
3) N-DODECANE	6.746	2914163	23.122 ug/ml
4) N-TETRADECANE	8.578	2850283	22.182 ug/ml
5) N-HEXADECANE	10.189	2930059	22.502 ug/ml
6) N-OCTADECANE	11.636	3046978	22.708 ug/ml
7) N-EICOSANE	12.947	2995391	21.970 ug/ml
8) N-DOCOSANE	14.148	2956585	22.270 ug/ml
10) N-TETRACOSANE	15.252	2927990	21.966 ug/ml
11) N-HEXACOSANE	16.273	2852488	21.430 ug/ml
12) N-OCTACOSANE	17.225	2773115	20.911 ug/ml

(f)=RT Delta > 1/2 Window

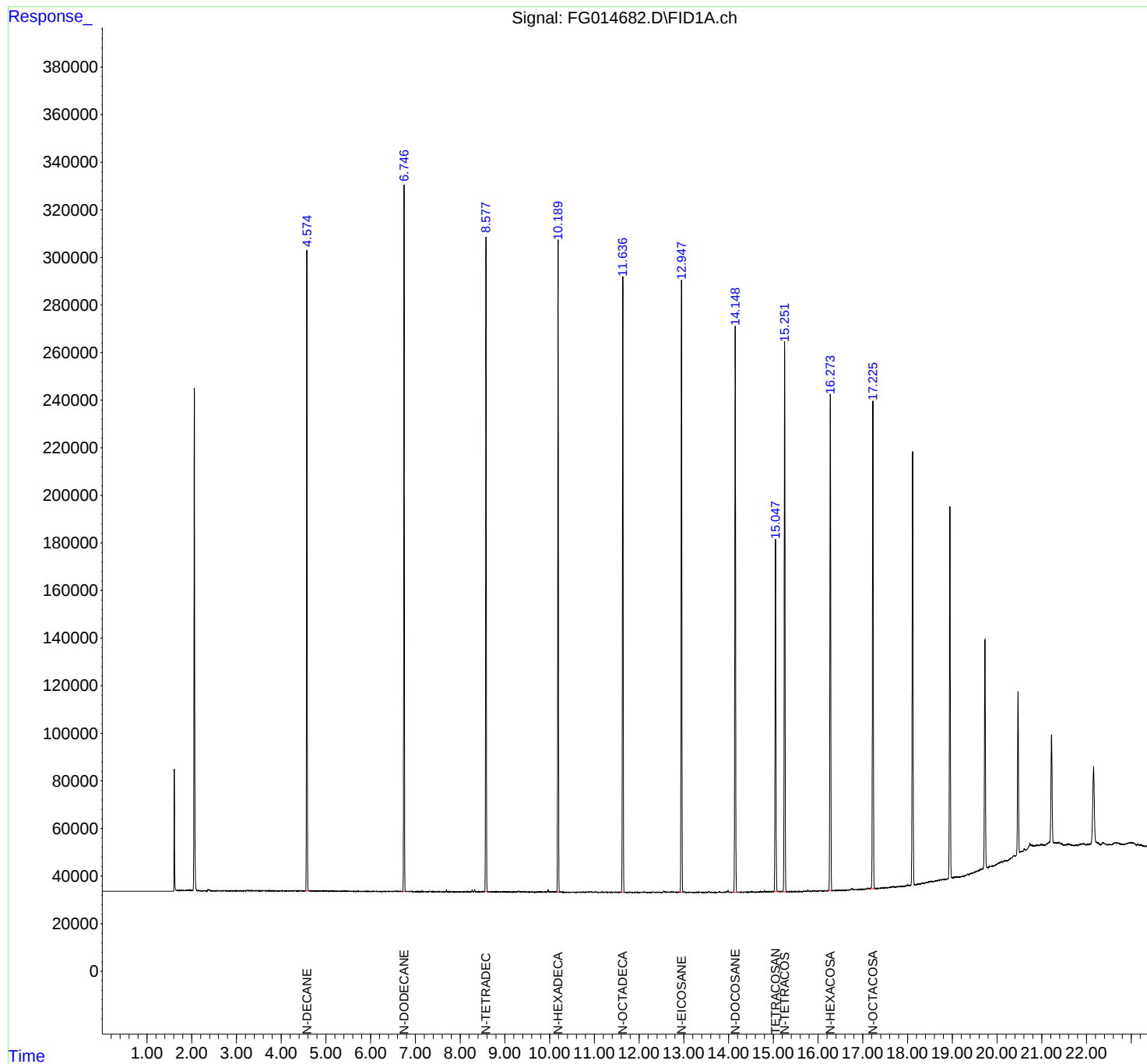
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110724\
Data File : FG014682.D
Signal(s) : FID1A.ch
Acq On : 07 Nov 2024 20:11
Operator : YP\AJ
Sample : PB164744BS
Misc :
ALS Vial : 70 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PB164744BS

Integration File: autoint1.e
Quant Time: Nov 08 05:27:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Quant Title :
QLast Update : Mon Oct 21 17:03:32 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_G\Data\FG110724\
Data File : FG014682.D
Signal(s) : FID1A.ch
Acq On : 07 Nov 2024 20:11
Sample : PB164744BS
Misc :
ALS Vial : 70 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.575	4.538	4.624	BB	269136	2767494	90.83%	8.934%
2	6.746	6.713	6.792	BB	296490	2914163	95.64%	9.408%
3	8.578	8.545	8.615	BB	274946	2850283	93.54%	9.202%
4	10.189	10.143	10.234	BB	273716	2930059	96.16%	9.459%
5	11.636	11.588	11.678	BB	258516	3046978	100.00%	9.837%
6	12.947	12.899	12.984	BB	257568	2995391	98.31%	9.670%
7	14.148	14.098	14.203	BB	237927	2956585	97.03%	9.545%
8	15.048	15.006	15.113	BB	148022	1961445	64.37%	6.332%
9	15.252	15.201	15.297	BB	230956	2927990	96.09%	9.452%
10	16.273	16.220	16.313	BB	208801	2852488	93.62%	9.209%
11	17.225	17.153	17.266	BB	204996	2773115	91.01%	8.952%
Sum of corrected areas:						30975990		

FG102124.M Fri Nov 08 06:56:03 2024

Report of Analysis

Client:	ENTACT		Date Collected:	11/05/24	
Project:	North Point		Date Received:	11/05/24	
Client Sample ID:	EX-9-TPH-2MS		SDG No.:	P4721	
Lab Sample ID:	P4721-09MS		Matrix:	SOIL	
Analytical Method:	8015D DRO		% Solid:	85.5	Decanted:
Sample Wt/Vol:	30.02	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
FG014684.D	1	11/07/24 08:30	11/07/24 21:08	PB164744

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	11200		216	1950	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	11.6		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_G\Data\FG110724\
 Data File : FG014684.D
 Signal(s) : FID1A.ch
 Acq On : 07 Nov 2024 21:08
 Operator : YP\AJ
 Sample : P4721-09MS
 Misc :
 ALS Vial : 72 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 EX-9-TPH-2MS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/08/2024
 Supervised By :Ankita Jodhani 11/08/2024

Integration File: autoint1.e
 Quant Time: Nov 08 05:27:24 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
 Quant Title :
 QLast Update : Mon Oct 21 17:03:32 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...	15.048	1390936	11.629 ug/ml
Target Compounds			
2) N-DECANE	4.574	2420446	19.549 ug/ml
3) N-DODECANE	6.746	2530599	20.079 ug/ml
4) N-TETRADECANE	8.577	2479334	19.296 ug/ml
5) N-HEXADECANE	10.189	2518073	19.338 ug/ml
6) N-OCTADECANE	11.635	2583670	19.255 ug/ml
7) N-EICOSANE	12.947	2532226	18.573 ug/ml
8) N-DOCOSANE	14.148	2487362	18.736 ug/ml
10) N-TETRACOSANE	15.252	2495602	18.722 ug/ml
11) N-HEXACOSANE	16.274	2440277	18.333 ug/ml
12) N-OCTACOSANE	17.225	2362938	17.818 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110724\
Data File : FG014684.D
Signal(s) : FID1A.ch
Acq On : 07 Nov 2024 21:08
Operator : YP\AJ
Sample : P4721-09MS
Misc :
ALS Vial : 72 Sample Multiplier: 1

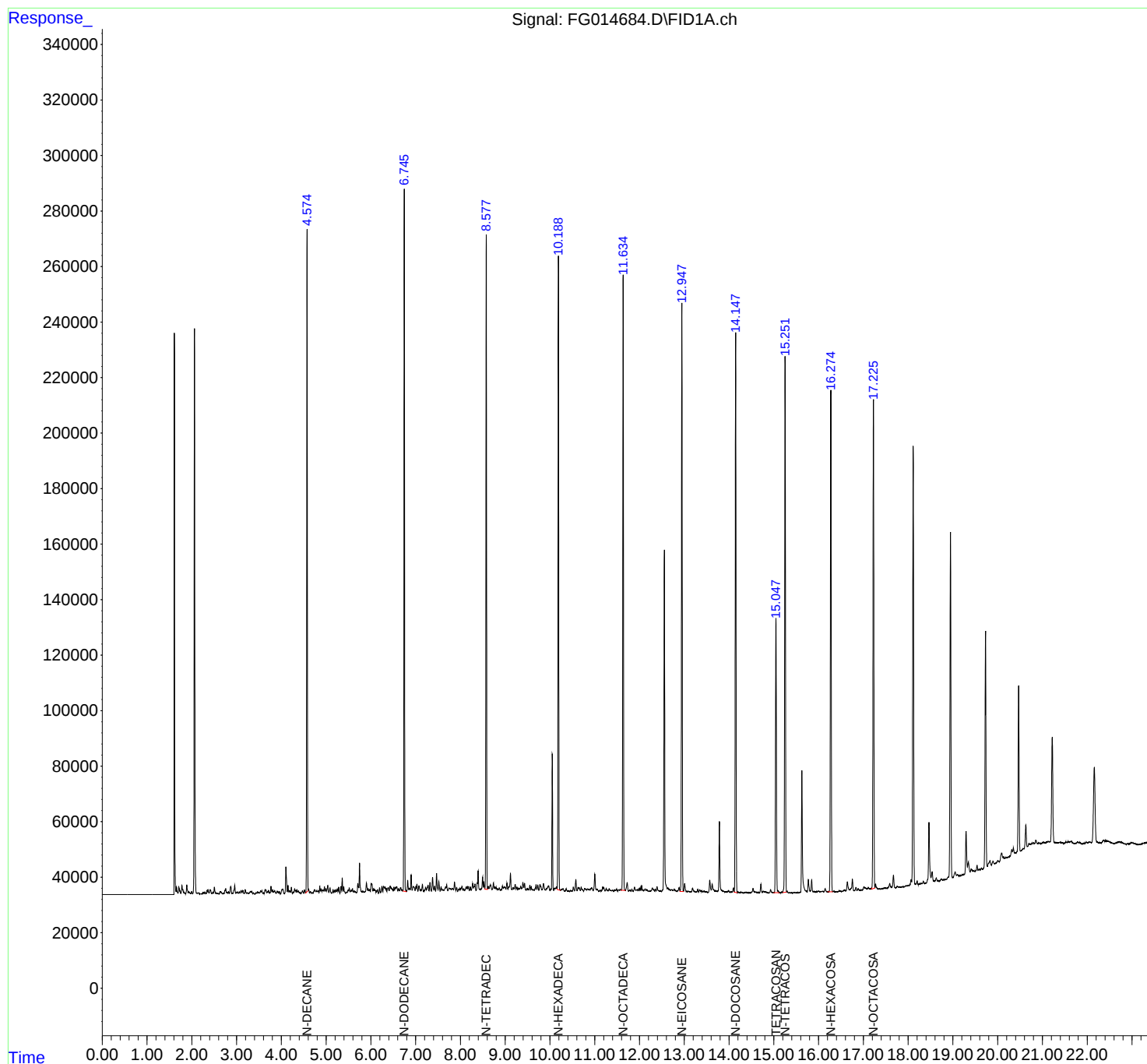
Instrument :
FID_G
ClientSampleId :
EX-9-TPH-2MS

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Integration File: autoint1.e
Quant Time: Nov 08 05:27:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Quant Title :
QLast Update : Mon Oct 21 17:03:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Instrument :

FID_G

ClientSampleId :

EX-9-TPH-2MS

Area Percent Report

Manual IntegrationsAPPROVED

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG11072
Data File : FG014684.D
Signal(s) : FID1A.ch
Acq On : 07 Nov 2024 21:08
Sample : P4721-09MS
Misc :
ALS Vial : 72 Sample Multiplier: 1

Reviewed By :Yogesh Patel 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.574	4.543	4.604	VV	239119	2448706	92.50%	6.270%
2	4.612	4.604	4.632	VV	1553	16746	0.63%	0.043%
3	4.649	4.632	4.668	VV	907	13480	0.51%	0.035%
4	4.672	4.668	4.693	VV	402	5223	0.20%	0.013%
5	4.705	4.693	4.714	VV	450	4689	0.18%	0.012%
6	4.745	4.714	4.774	VV	1515	37825	1.43%	0.097%
7	4.790	4.774	4.809	VV	1189	19787	0.75%	0.051%
8	4.827	4.809	4.842	VV	1191	17061	0.64%	0.044%
9	4.859	4.842	4.873	VV	2820	30100	1.14%	0.077%
10	4.885	4.873	4.905	VV	1850	25772	0.97%	0.066%
11	4.918	4.905	4.933	VV	1461	20882	0.79%	0.053%
12	4.939	4.933	4.948	VV	1353	11179	0.42%	0.029%
13	4.963	4.948	4.979	VV	2565	31834	1.20%	0.082%
14	4.994	4.979	5.010	VV	1930	26782	1.01%	0.069%
15	5.037	5.010	5.061	VV	3077	54075	2.04%	0.138%
16	5.087	5.061	5.123	VV	2200	37650	1.42%	0.096%
17	5.156	5.123	5.171	VV	1499	21537	0.81%	0.055%
18	5.189	5.171	5.203	VV	1338	17044	0.64%	0.044%
19	5.217	5.203	5.235	VV	1492	20758	0.78%	0.053%
20	5.252	5.235	5.266	VV	1828	24476	0.92%	0.063%
21	5.282	5.266	5.308	VV	2420	33380	1.26%	0.085%
22	5.332	5.308	5.345	VV	2644	32977	1.25%	0.084%
23	5.361	5.345	5.378	VV	5817	63736	2.41%	0.163%
24	5.394	5.378	5.434	VV	2547	38452	1.45%	0.098%
25	5.461	5.434	5.471	VV	663	10850	0.41%	0.028%
26	5.493	5.471	5.503	VV	1422	19453	0.73%	0.050%
27	5.517	5.503	5.542	VV	2221	31483	1.19%	0.081%
28	5.561	5.542	5.573	VV	1369	20062	0.76%	0.051%
29	5.589	5.573	5.607	VV	1900	27237	1.03%	0.070%
30	5.617	5.607	5.623	VV	931	8010	0.30%	0.021%
31	5.628	5.623	5.646	VV	906	11064	0.42%	0.028%
32	5.654	5.646	5.669	VV	861	9071	0.34%	0.023%
33	5.683	5.669	5.688	VV	502	5157	0.19%	0.013%
34	5.709	5.688	5.732	VV	3856	60566	2.29%	0.155%
35	5.747	5.732	5.806	VV	11121	147503	5.57%	0.378%
36	5.821	5.806	5.832	VV	1019	12449	0.47%	0.032%

					rters			
37	5.835	5.832	5.853	VV	752	8621	0.33%	0.022%
38	5.867	5.853	5.875	VV	788	8945		
39	5.901	5.875	5.927	VV	3934	70248		
40	5.938	5.927	5.950	VV	1892	20623		
41	5.976	5.950	5.989	VV	1622	29942		
42	6.007	5.989	6.019	VV	3704	49943		
43	6.023	6.019	6.049	VV	3474	41800	1.58%	0.107%
44	6.060	6.049	6.071	VV	1901	20279	0.77%	0.052%
45	6.082	6.071	6.116	VV	1621	31616	1.19%	0.081%
46	6.148	6.116	6.172	VV	1484	28977	1.09%	0.074%
47	6.194	6.172	6.213	VV	2127	26684	1.01%	0.068%
48	6.247	6.213	6.266	VV	2719	42820	1.62%	0.110%
49	6.284	6.266	6.309	VV	2766	53875	2.04%	0.138%
50	6.320	6.309	6.333	VV	2471	30610	1.16%	0.078%
51	6.344	6.333	6.357	VV	1972	22052	0.83%	0.056%
52	6.388	6.357	6.409	VV	2242	52689	1.99%	0.135%
53	6.431	6.409	6.444	VV	2820	46266	1.75%	0.118%
54	6.452	6.444	6.498	VV	2286	56186	2.12%	0.144%
55	6.514	6.498	6.528	VV	2401	30452	1.15%	0.078%
56	6.554	6.528	6.565	VV	2359	43195	1.63%	0.111%
57	6.579	6.565	6.598	VV	2461	40084	1.51%	0.103%
58	6.618	6.598	6.641	VV	1826	35291	1.33%	0.090%
59	6.664	6.641	6.683	VV	2251	42622	1.61%	0.109%
60	6.691	6.683	6.716	VV	1449	24530	0.93%	0.063%
61	6.746	6.716	6.797	VV	253982	2572614	97.18%	6.587%
62	6.822	6.797	6.847	VV	4853	74039	2.80%	0.190%
63	6.866	6.847	6.880	VV	2054	35891	1.36%	0.092%
64	6.899	6.880	6.923	VV	6863	90808	3.43%	0.233%
65	6.943	6.923	6.949	VV	2569	32258	1.22%	0.083%
66	6.955	6.949	6.987	VV	2557	47002	1.78%	0.120%
67	7.006	6.987	7.016	VV	2696	35171	1.33%	0.090%
68	7.028	7.016	7.049	VV	3431	45362	1.71%	0.116%
69	7.073	7.049	7.103	VV	2854	59602	2.25%	0.153%
70	7.111	7.103	7.123	VV	1459	15312	0.58%	0.039%
71	7.151	7.123	7.181	VV	3413	62778	2.37%	0.161%
72	7.221	7.181	7.239	VV	2333	52472	1.98%	0.134%
73	7.277	7.239	7.298	VV	3085	75247	2.84%	0.193%
74	7.320	7.298	7.349	VV	4042	67098	2.53%	0.172%
75	7.378	7.349	7.407	VV	5935	100581	3.80%	0.258%
76	7.423	7.407	7.444	VV	2729	41633	1.57%	0.107%
77	7.467	7.444	7.501	VV	7397	111812	4.22%	0.286%
78	7.518	7.501	7.548	VV	4389	70281	2.65%	0.180%
79	7.568	7.548	7.586	VV	2451	38437	1.45%	0.098%
80	7.593	7.586	7.606	VV	1428	15757	0.60%	0.040%
81	7.616	7.606	7.630	VV	1423	18674	0.71%	0.048%
82	7.669	7.630	7.679	VV	2480	54885	2.07%	0.141%
83	7.693	7.679	7.717	VV	3208	49939	1.89%	0.128%
84	7.747	7.717	7.772	VV	2009	55418	2.09%	0.142%
85	7.781	7.772	7.794	VV	1852	22940	0.87%	0.059%
86	7.813	7.794	7.843	VV	1933	50620	1.91%	0.130%
87	7.869	7.843	7.898	VV	4145	79942	3.02%	0.205%
88	7.916	7.898	7.938	VV	2135	37462	1.42%	0.096%
89	7.958	7.938	7.970	VV	1570	24267	0.92%	0.062%

Instrument :

FID_G

ClientSampleId :

EX-9-TPH-2MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

90	7.984	7.970	7.997	VV	1918	26381	1.00%	0.068%
91	8.011	7.997	8.017	VV	1968	20093		
92	8.036	8.017	8.052	VV	2692	44614		
93	8.065	8.052	8.092	VV	1809	35603		
94	8.126	8.092	8.141	VV	2382	51249		
95	8.156	8.141	8.169	VV	2643	37891		
96	8.180	8.169	8.203	VV	2301	36622	1.38%	0.094%
97	8.222	8.203	8.243	VV	2448	41378	1.56%	0.106%
98	8.274	8.243	8.295	VV	3657	76163	2.88%	0.195%
99	8.308	8.295	8.312	VV	2631	24950	0.94%	0.064%
100	8.326	8.312	8.352	VV	3502	55076	2.08%	0.141%
101	8.395	8.352	8.427	VV	8240	158909	6.00%	0.407%
102	8.455	8.427	8.467	VV	1693	38670	1.46%	0.099%
103	8.496	8.467	8.512	VV	5977	94226	3.56%	0.241%
104	8.524	8.512	8.546	VV	4330	62757	2.37%	0.161%
105	8.577	8.546	8.606	VV	237375	2534595	95.75%	6.489%
106	8.623	8.606	8.638	VV	2641	43156	1.63%	0.110%
107	8.673	8.638	8.707	VV	3214	97910	3.70%	0.251%
108	8.738	8.707	8.756	VV	3915	71989	2.72%	0.184%
109	8.771	8.756	8.785	VV	2515	37294	1.41%	0.095%
110	8.798	8.785	8.815	VV	2301	35113	1.33%	0.090%
111	8.826	8.815	8.841	VV	1885	25120	0.95%	0.064%
112	8.869	8.841	8.892	VV	2085	49376	1.87%	0.126%
113	8.907	8.892	8.918	VV	1585	21381	0.81%	0.055%
114	8.937	8.918	8.962	VV	2703	54845	2.07%	0.140%
115	8.977	8.962	8.992	VV	2561	40681	1.54%	0.104%
116	9.001	8.992	9.017	VV	2256	29074	1.10%	0.074%
117	9.040	9.017	9.062	VV	3828	71868	2.71%	0.184%
118	9.079	9.062	9.087	VV	2393	31986	1.21%	0.082%
119	9.119	9.087	9.142	VV	7181	127744	4.83%	0.327%
120	9.148	9.142	9.157	VV	1575	14590	0.55%	0.037%
121	9.176	9.157	9.189	VV	2230	35504	1.34%	0.091%
122	9.201	9.189	9.205	VV	1821	16440	0.62%	0.042%
123	9.223	9.205	9.244	VV	3384	56942	2.15%	0.146%
124	9.262	9.244	9.283	VV	2414	45290	1.71%	0.116%
125	9.297	9.283	9.312	VV	1989	30563	1.15%	0.078%
126	9.347	9.312	9.364	VV	2647	61950	2.34%	0.159%
127	9.396	9.364	9.419	VV	4028	88342	3.34%	0.226%
128	9.434	9.419	9.470	VV	3723	67890	2.56%	0.174%
129	9.492	9.470	9.510	VV	1954	37629	1.42%	0.096%
130	9.551	9.510	9.569	VV	3101	67624	2.55%	0.173%
131	9.584	9.569	9.598	VV	2498	33190	1.25%	0.085%
132	9.602	9.598	9.619	VV	1581	17813	0.67%	0.046%
133	9.635	9.619	9.652	VV	1473	26249	0.99%	0.067%
134	9.668	9.652	9.675	VV	1823	21018	0.79%	0.054%
135	9.689	9.675	9.709	VV	3201	47628	1.80%	0.122%
136	9.727	9.709	9.755	VV	3112	56854	2.15%	0.146%
137	9.779	9.755	9.820	VV	3283	87620	3.31%	0.224%
138	9.855	9.820	9.888	VV	3531	90139	3.41%	0.231%
139	9.894	9.888	9.904	VV	1404	12806	0.48%	0.033%
140	9.925	9.904	9.935	VV	1925	29992	1.13%	0.077%
141	9.951	9.935	9.958	VV	2473	30497	1.15%	0.078%

Instrument :

FID_G

ClientSampleId :

EX-9-TPH-2MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/08/2024

Supervised By :Ankita Jodhani 11/08/2024

142	9.968	9.958	9.996	VV	2701	47986	1.81%	0.123%
143	10.018	9.996	10.027	VV	1639	27594		
144	10.052	10.027	10.078	VV	50292	532965	20.00%	0.000%
145	10.099	10.078	10.115	VV	1963	35833		
146	10.145	10.115	10.159	VV	2411	52687		
147	10.189	10.159	10.238	VV	229535	2580777	97.00%	0.000%
148	10.255	10.238	10.278	VV	1530	33456	1.26%	0.086%
149	10.292	10.278	10.335	VV	1839	43144	1.63%	0.110%
150	10.361	10.335	10.391	VV	1724	40556	1.53%	0.104%
151	10.400	10.391	10.410	VV	976	10647	0.40%	0.027%
152	10.423	10.410	10.443	VV	951	16656	0.63%	0.043%
153	10.463	10.443	10.478	VV	1196	20842	0.79%	0.053%
154	10.522	10.478	10.551	VV	2295	57301	2.16%	0.147%
155	10.578	10.551	10.604	VV	5011	85271	3.22%	0.218%
156	10.627	10.604	10.641	VV	2217	37847	1.43%	0.097%
157	10.652	10.641	10.679	VV	2144	37108	1.40%	0.095%
158	10.698	10.679	10.716	VV	2293	37431	1.41%	0.096%
159	10.723	10.716	10.751	VV	1522	25599	0.97%	0.066%
160	10.774	10.751	10.785	VV	1739	28587	1.08%	0.073%
161	10.792	10.785	10.819	VV	1699	31120	1.18%	0.080%
162	10.836	10.819	10.856	VV	1691	33077	1.25%	0.085%
163	10.877	10.856	10.893	VV	1613	31916	1.21%	0.082%
164	10.928	10.893	10.963	VV	2017	67480	2.55%	0.173%
165	11.002	10.963	11.032	VV	6970	130576	4.93%	0.334%
166	11.050	11.032	11.095	VV	1525	46050	1.74%	0.118%
167	11.142	11.095	11.153	VV	1116	32971	1.25%	0.084%
168	11.177	11.153	11.189	VV	2393	35670	1.35%	0.091%
169	11.201	11.189	11.233	VV	2259	41727	1.58%	0.107%
170	11.257	11.233	11.294	VV	1730	46411	1.75%	0.119%
171	11.324	11.294	11.348	VV	1606	39839	1.50%	0.102%
172	11.351	11.348	11.356	VV	1095	5152	0.19%	0.013%
173	11.360	11.356	11.372	VV	1094	10115	0.38%	0.026%
174	11.398	11.372	11.422	VV	1131	29998	1.13%	0.077%
175	11.464	11.422	11.470	VV	1121	29776	1.12%	0.076%
176	11.490	11.470	11.511	VV	1587	30585	1.16%	0.078%
177	11.540	11.511	11.552	VV	1352	28741	1.09%	0.074%
178	11.572	11.552	11.593	VV	1481	31148	1.18%	0.080%
179	11.635	11.593	11.688	VV	223063	2647199	100.00%	6.778%
180	11.725	11.688	11.755	VV	3929	87869	3.32%	0.225%
181	11.787	11.755	11.810	VV	1279	34027	1.29%	0.087%
182	11.830	11.810	11.855	VV	1502	29801	1.13%	0.076%
183	11.889	11.855	11.914	VV	2271	50209	1.90%	0.129%
184	11.922	11.914	11.934	VV	1198	13344	0.50%	0.034%
185	11.947	11.934	11.963	VV	1481	22049	0.83%	0.056%
186	11.984	11.963	11.998	VV	1728	26763	1.01%	0.069%
187	12.014	11.998	12.030	VV	2034	29032	1.10%	0.074%
188	12.048	12.030	12.099	VV	2867	62735	2.37%	0.161%
189	12.128	12.099	12.147	VV	1650	38190	1.44%	0.098%
190	12.164	12.147	12.218	VV	1388	42449	1.60%	0.109%
191	12.237	12.218	12.252	VV	912	16034	0.61%	0.041%
192	12.287	12.252	12.338	VV	1969	69070	2.61%	0.177%
193	12.353	12.338	12.373	VV	1473	24613	0.93%	0.063%
194	12.393	12.373	12.449	VV	2396	59724	2.26%	0.153%

Instrument :

FID_G

ClientSampleId :

EX-9-TPH-2MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/08/2024

Supervised By :Ankita Jodhani 11/08/2024

195	12.457	12.449	12.474	VV	862	11695	0.44%	0.030%
196	12.482	12.474	12.499	VV	817	11203		
197	12.556	12.499	12.619	VV	123415	1559666	58	
198	12.633	12.619	12.652	VV	2040	34561	1	
199	12.661	12.652	12.674	VV	1597	19358	0	
200	12.678	12.674	12.696	VV	1322	16079	0	
201	12.722	12.696	12.751	VV	1364	39559	1.49%	0.101%
202	12.775	12.751	12.829	VV	1653	51122	1.93%	0.131%
203	12.834	12.829	12.840	VV	814	4943	0.19%	0.013%
204	12.885	12.840	12.904	VV	1992	48414	1.83%	0.124%
205	12.947	12.904	12.979	VV	212520	2562837	96.81%	6.562%
206	13.009	12.979	13.053	VV	3506	73259	2.77%	0.188%
207	13.059	13.053	13.077	VV	679	9108	0.34%	0.023%
208	13.095	13.077	13.115	VV	746	14543	0.55%	0.037%
209	13.128	13.115	13.151	VV	650	11778	0.44%	0.030%
210	13.184	13.151	13.254	VV	1826	56244	2.12%	0.144%
211	13.257	13.254	13.278	VV	510	6935	0.26%	0.018%
212	13.299	13.278	13.323	VV	1458	23229	0.88%	0.059%
213	13.343	13.323	13.379	VV	1324	30102	1.14%	0.077%
214	13.391	13.379	13.417	VV	1011	16495	0.62%	0.042%
215	13.440	13.417	13.466	VV	881	19815	0.75%	0.051%
216	13.477	13.466	13.484	VV	559	5363	0.20%	0.014%
217	13.506	13.484	13.524	VV	642	11953	0.45%	0.031%
218	13.529	13.524	13.534	VV	305	1591	0.06%	0.004%
219	13.570	13.534	13.602	VV	4734	86753	3.28%	0.222%
220	13.623	13.602	13.686	VV	3293	84895	3.21%	0.217%
221	13.700	13.686	13.718	VV	936	15538	0.59%	0.040%
222	13.729	13.718	13.741	VV	759	9492	0.36%	0.024%
223	13.752	13.741	13.758	VV	922	8691	0.33%	0.022%
224	13.785	13.758	13.865	VV	25861	358708	13.55%	0.918%
225	13.883	13.865	13.910	VV	741	17800	0.67%	0.046%
226	13.915	13.910	13.926	VV	523	4367	0.16%	0.011%
227	13.935	13.926	13.952	VV	496	7375	0.28%	0.019%
228	13.964	13.952	13.975	VV	709	8327	0.31%	0.021%
229	13.990	13.975	14.026	VV	994	19574	0.74%	0.050%
230	14.038	14.026	14.049	VV	474	5863	0.22%	0.015%
231	14.098	14.049	14.115	VV	1895	35420	1.34%	0.091%
232	14.148	14.115	14.189	VV	202070	2500034	94.44%	6.401%
233	14.206	14.189	14.223	VV	499	7091	0.27%	0.018%
234	14.232	14.223	14.257	VV	269	5170	0.20%	0.013%
235	14.275	14.257	14.299	VV	355	6664	0.25%	0.017%
236	14.302	14.299	14.320	VV	246	1732	0.07%	0.004%
237	14.377	14.320	14.401	VV	355	11325	0.43%	0.029%
238	14.406	14.401	14.426	VV	239	2398	0.09%	0.006%
239	14.437	14.426	14.442	VV	245	1848	0.07%	0.005%
240	14.447	14.442	14.479	VV	230	3352	0.13%	0.009%
241	14.506	14.479	14.512	VV	478	5592	0.21%	0.014%
242	14.535	14.512	14.569	VV	1774	33238	1.26%	0.085%
243	14.576	14.569	14.607	VV	489	9090	0.34%	0.023%
244	14.620	14.607	14.645	VV	380	6011	0.23%	0.015%
245	14.666	14.645	14.681	VV	254	3461	0.13%	0.009%
246	14.711	14.681	14.749	VV	3235	48972	1.85%	0.125%

Instrument :

FID_G

ClientSampleId :

EX-9-TPH-2MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/08/2024

Supervised By :Ankita Jodhani 11/08/2024

					rters			
247	14.770	14.749	14.790	VV	770	14068	0.53%	0.036%
248	14.808	14.790	14.827	VV	593	10221		
249	14.830	14.827	14.850	VV	387	3825		
250	14.864	14.850	14.887	VV	325	4843		
251	14.928	14.887	14.958	VV	1235	21270		
252	14.968	14.958	15.009	VV	313	6933		
253	15.048	15.009	15.083	VV	99075	1391078	52.55%	3.562%
254	15.093	15.083	15.129	VV	884	15165	0.57%	0.039%
255	15.142	15.129	15.160	VV	263	3589	0.14%	0.009%
256	15.179	15.160	15.194	VV	522	6913	0.26%	0.018%
257	15.252	15.194	15.285	VV	192738	2512474	94.91%	6.433%
258	15.297	15.285	15.325	VV	794	10484	0.40%	0.027%
259	15.335	15.325	15.345	VV	204	1967	0.07%	0.005%
260	15.350	15.345	15.361	VV	160	1101	0.04%	0.003%
261	15.373	15.361	15.379	VV	127	1068	0.04%	0.003%
262	15.393	15.379	15.419	VV	163	2321	0.09%	0.006%
263	15.445	15.419	15.490	PV	314	6765	0.26%	0.017%
264	15.500	15.490	15.521	VV	147	1901	0.07%	0.005%
265	15.534	15.521	15.552	VV	152	1732	0.07%	0.004%
266	15.561	15.552	15.571	VV	151	1183	0.04%	0.003%
267	15.588	15.571	15.594	VV	282	2669	0.10%	0.007%
268	15.627	15.594	15.745	VV	44052	657546	24.84%	1.684%
269	15.772	15.745	15.807	VV	4764	78659	2.97%	0.201%
270	15.846	15.807	15.878	VV	4554	70465	2.66%	0.180%
271	15.899	15.878	15.937	VV	495	10674	0.40%	0.027%
272	15.950	15.937	15.965	VV	223	2834	0.11%	0.007%
273	15.984	15.965	16.004	VV	553	8840	0.33%	0.023%
274	16.010	16.004	16.015	VV	407	2355	0.09%	0.006%
275	16.021	16.015	16.026	VV	320	1818	0.07%	0.005%
276	16.030	16.026	16.050	VV	298	3631	0.14%	0.009%
277	16.066	16.050	16.081	VV	347	5378	0.20%	0.014%
278	16.094	16.081	16.114	VV	453	5985	0.23%	0.015%
279	16.146	16.114	16.181	VV	1302	24509	0.93%	0.063%
280	16.185	16.181	16.204	VV	257	2665	0.10%	0.007%
281	16.274	16.204	16.317	VV	180865	2447224	92.45%	6.266%
282	16.335	16.317	16.365	VV	295	4940	0.19%	0.013%
283	16.371	16.365	16.379	VV	65	289	0.01%	0.001%
284	16.402	16.379	16.421	VV	109	1275	0.05%	0.003%
285	16.468	16.421	16.497	PV	393	8053	0.30%	0.021%
286	16.503	16.497	16.525	VV	151	1718	0.06%	0.004%
287	16.541	16.525	16.545	VV	139	1286	0.05%	0.003%
288	16.575	16.545	16.611	VV	572	13633	0.51%	0.035%
289	16.643	16.611	16.689	VV	3403	66982	2.53%	0.171%
290	16.756	16.689	16.793	VV	4241	81899	3.09%	0.210%
291	16.835	16.793	16.862	VV	1182	18092	0.68%	0.046%
292	16.885	16.862	16.932	VV	745	11695	0.44%	0.030%
293	16.954	16.932	16.971	VV	218	2473	0.09%	0.006%
294	17.011	16.971	17.038	PV	1130	24843	0.94%	0.064%
295	17.042	17.038	17.047	VV	719	3896	0.15%	0.010%
296	17.058	17.047	17.084	VV	676	11648	0.44%	0.030%
297	17.113	17.084	17.144	VV	889	18213	0.69%	0.047%
298	17.225	17.144	17.258	VV	176383	2386303	90.14%	6.110%
299	17.274	17.258	17.325	VV	1917	32445	1.23%	0.083%

Instrument :

FID_G

ClientSampleId :

EX-9-TPH-2MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/08/2024

Supervised By :Ankita Jodhani 11/08/2024

Sum of corrected areas: rteres

FG102124.M Fri Nov 08 07:03:43 2024

Instrument :
FID_G
ClientSampleId :
EX-9-TPH-2MS

39057206

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/08/2024

Supervised By :Ankita Jodhani 11/08/2024

Report of Analysis

Client:	ENTACT	Date Collected:	11/05/24
Project:	North Point	Date Received:	11/05/24
Client Sample ID:	EX-9-TPH-2MSD	SDG No.:	P4721
Lab Sample ID:	P4721-09MSD	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	85.5
Sample Wt/Vol:	30.07	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
FG014685.D	1	11/07/24 08:30	11/07/24 21:36	PB164744

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	11400		216	1950	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	11.7		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_G\Data\FG110724\
 Data File : FG014685.D
 Signal(s) : FID1A.ch
 Acq On : 07 Nov 2024 21:36
 Operator : YP\AJ
 Sample : P4721-09MSD
 Misc :
 ALS Vial : 73 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 EX-9-TPH-2MSD

Integration File: autoint1.e
 Quant Time: Nov 08 05:27:33 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
 Quant Title :
 QLast Update : Mon Oct 21 17:03:32 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...	15.049	1393698	11.652 ug/ml
Target Compounds			
2) N-DECANE	4.575	2436642	19.679 ug/ml
3) N-DODECANE	6.746	2557934	20.296 ug/ml
4) N-TETRADECANE	8.577	2518575	19.601 ug/ml
5) N-HEXADECANE	10.189	2552813	19.605 ug/ml
6) N-OCTADECANE	11.635	2624984	19.563 ug/ml
7) N-EICOSANE	12.948	2573011	18.872 ug/ml
8) N-DOCOSANE	14.148	2526476	19.031 ug/ml
10) N-TETRACOSANE	15.252	2530336	18.983 ug/ml
11) N-HEXACOSANE	16.275	2472237	18.574 ug/ml
12) N-OCTACOSANE	17.225	2385505	17.988 ug/ml

(f)=RT Delta > 1/2 Window

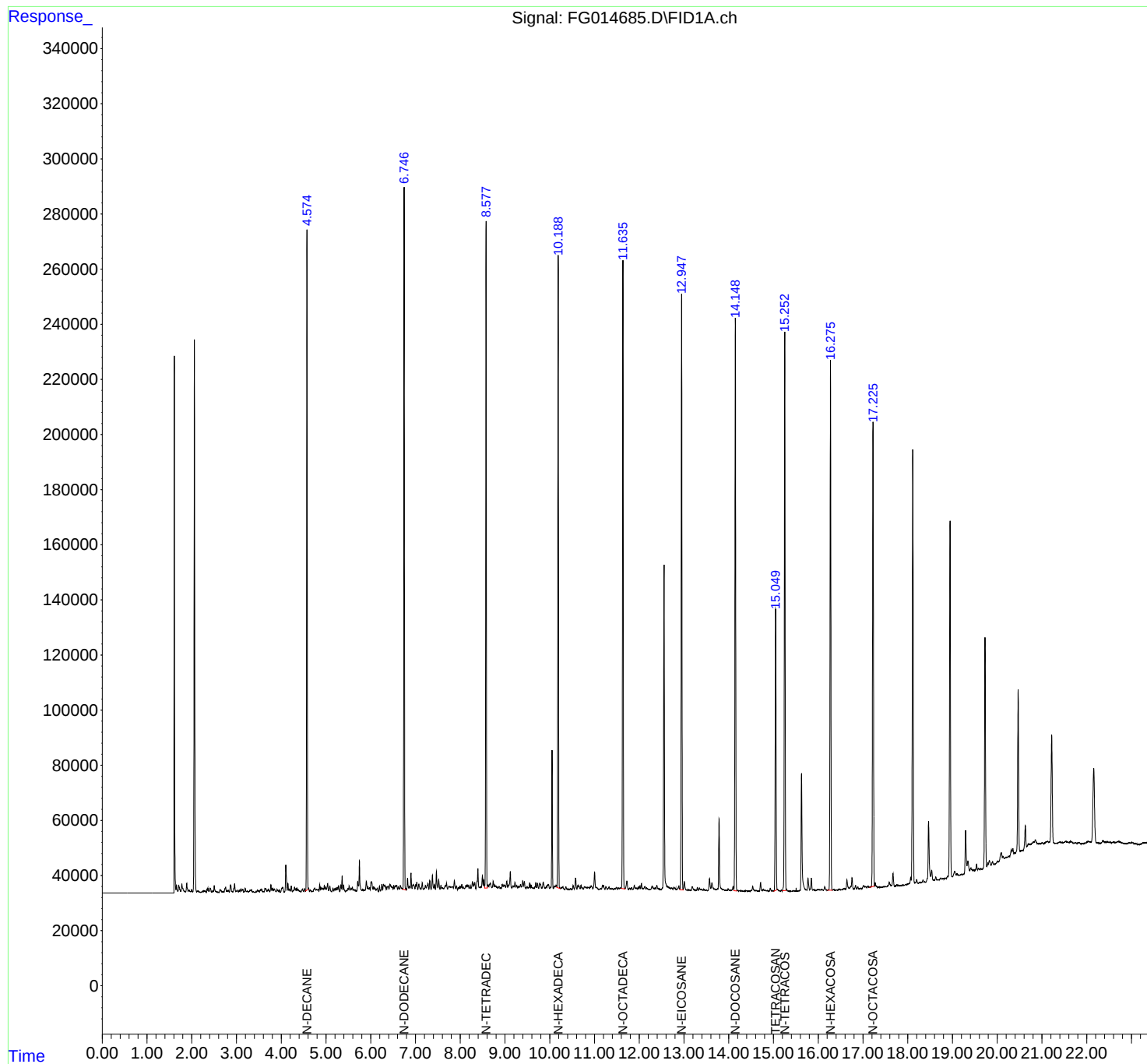
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG110724\
Data File : FG014685.D
Signal(s) : FID1A.ch
Acq On : 07 Nov 2024 21:36
Operator : YP\AJ
Sample : P4721-09MSD
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-9-TPH-2MSD

Integration File: autoint1.e
Quant Time: Nov 08 05:27:33 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Quant Title :
QLast Update : Mon Oct 21 17:03:32 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_G\Data\FG110724\
Data File : FG014685.D
Signal(s) : FID1A.ch
Acq On : 07 Nov 2024 21:36
Sample : P4721-09MSD
Misc :
ALS Vial : 73 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG102124.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.575	4.539	4.604	VV	240239	2468451	91.92%	6.209%
2	4.613	4.604	4.630	VV	1578	16982	0.63%	0.043%
3	4.649	4.630	4.665	VV	932	13541	0.50%	0.034%
4	4.672	4.665	4.687	VV	422	4469	0.17%	0.011%
5	4.704	4.687	4.715	VV	420	5903	0.22%	0.015%
6	4.748	4.715	4.773	VV	1624	37783	1.41%	0.095%
7	4.789	4.773	4.812	VV	1156	21977	0.82%	0.055%
8	4.828	4.812	4.843	VV	1143	16207	0.60%	0.041%
9	4.859	4.843	4.873	VV	2851	30320	1.13%	0.076%
10	4.885	4.873	4.903	VV	1899	25560	0.95%	0.064%
11	4.918	4.903	4.931	VV	1511	21470	0.80%	0.054%
12	4.938	4.931	4.949	VV	1341	12662	0.47%	0.032%
13	4.963	4.949	4.980	VV	2581	32165	1.20%	0.081%
14	4.994	4.980	5.008	VV	1964	26184	0.98%	0.066%
15	5.037	5.008	5.059	VV	3218	56032	2.09%	0.141%
16	5.088	5.059	5.124	VV	2226	39623	1.48%	0.100%
17	5.156	5.124	5.173	VV	1564	23323	0.87%	0.059%
18	5.190	5.173	5.204	VV	1360	17520	0.65%	0.044%
19	5.218	5.204	5.236	VV	1543	20912	0.78%	0.053%
20	5.252	5.236	5.265	VV	1850	23938	0.89%	0.060%
21	5.282	5.265	5.307	VV	2446	35372	1.32%	0.089%
22	5.331	5.307	5.345	VV	2681	33842	1.26%	0.085%
23	5.361	5.345	5.379	VV	5915	64862	2.42%	0.163%
24	5.394	5.379	5.435	VV	2550	38930	1.45%	0.098%
25	5.461	5.435	5.471	VV	733	11224	0.42%	0.028%
26	5.492	5.471	5.504	VV	1427	21287	0.79%	0.054%
27	5.518	5.504	5.543	VV	2351	32568	1.21%	0.082%
28	5.560	5.543	5.573	VV	1465	21106	0.79%	0.053%
29	5.589	5.573	5.607	VV	1922	26845	1.00%	0.068%
30	5.621	5.607	5.644	VV	995	19650	0.73%	0.049%
31	5.655	5.644	5.670	VV	880	10757	0.40%	0.027%
32	5.681	5.670	5.689	VV	546	5745	0.21%	0.014%
33	5.709	5.689	5.732	VV	3951	61581	2.29%	0.155%
34	5.747	5.732	5.807	VV	11472	151234	5.63%	0.380%
35	5.819	5.807	5.832	VV	1069	12392	0.46%	0.031%
36	5.841	5.832	5.854	VV	846	9896	0.37%	0.025%

					rteres			
37	5.868	5.854	5.874	VV	832	8842	0.33%	0.022%
38	5.902	5.874	5.927	VV	3982	73259	2.73%	0.184%
39	5.939	5.927	5.953	VV	1962	23425	0.87%	0.059%
40	5.976	5.953	5.989	VV	1691	30007	1.12%	0.075%
41	6.007	5.989	6.018	VV	3805	49066	1.83%	0.123%
42	6.024	6.018	6.051	VV	3524	46346	1.73%	0.117%
43	6.062	6.051	6.072	VV	1970	20490	0.76%	0.052%
44	6.083	6.072	6.115	VV	1705	32457	1.21%	0.082%
45	6.147	6.115	6.171	VV	1540	31400	1.17%	0.079%
46	6.195	6.171	6.214	VV	2208	28596	1.06%	0.072%
47	6.248	6.214	6.266	VV	2840	44409	1.65%	0.112%
48	6.284	6.266	6.307	VV	2888	53025	1.97%	0.133%
49	6.319	6.307	6.334	VV	2625	35581	1.33%	0.089%
50	6.344	6.334	6.357	VV	2019	22710	0.85%	0.057%
51	6.388	6.357	6.409	VV	2302	54644	2.03%	0.137%
52	6.430	6.409	6.446	VV	2921	49800	1.85%	0.125%
53	6.453	6.446	6.500	VV	2343	57721	2.15%	0.145%
54	6.514	6.500	6.528	VV	2489	29910	1.11%	0.075%
55	6.555	6.528	6.565	VV	2432	45001	1.68%	0.113%
56	6.580	6.565	6.599	VV	2604	42574	1.59%	0.107%
57	6.618	6.599	6.641	VV	1967	37472	1.40%	0.094%
58	6.663	6.641	6.683	VV	2391	44665	1.66%	0.112%
59	6.692	6.683	6.707	VV	1504	19462	0.72%	0.049%
60	6.711	6.707	6.715	VV	1193	5491	0.20%	0.014%
61	6.746	6.715	6.796	VV	255612	2602727	96.92%	6.547%
62	6.822	6.796	6.848	VV	5129	77854	2.90%	0.196%
63	6.869	6.848	6.882	VV	2128	37085	1.38%	0.093%
64	6.899	6.882	6.924	VV	6983	91922	3.42%	0.231%
65	6.941	6.924	6.946	VV	2656	29019	1.08%	0.073%
66	6.956	6.946	6.988	VV	2660	54124	2.02%	0.136%
67	7.006	6.988	7.016	VV	2800	36160	1.35%	0.091%
68	7.029	7.016	7.051	VV	3642	48608	1.81%	0.122%
69	7.074	7.051	7.101	VV	2954	59295	2.21%	0.149%
70	7.111	7.101	7.124	VV	1497	17716	0.66%	0.045%
71	7.151	7.124	7.175	VV	3469	61351	2.28%	0.154%
72	7.190	7.175	7.197	VV	1213	14750	0.55%	0.037%
73	7.221	7.197	7.240	VV	2456	45974	1.71%	0.116%
74	7.278	7.240	7.298	VV	3161	77688	2.89%	0.195%
75	7.319	7.298	7.349	VV	4193	69582	2.59%	0.175%
76	7.378	7.349	7.408	VV	6197	105044	3.91%	0.264%
77	7.424	7.408	7.445	VV	2759	42057	1.57%	0.106%
78	7.467	7.445	7.502	VV	7580	114615	4.27%	0.288%
79	7.518	7.502	7.547	VV	4511	71287	2.65%	0.179%
80	7.568	7.547	7.585	VV	2510	40152	1.50%	0.101%
81	7.596	7.585	7.604	VV	1465	16112	0.60%	0.041%
82	7.617	7.604	7.628	VV	1442	19889	0.74%	0.050%
83	7.670	7.628	7.680	VV	2503	58812	2.19%	0.148%
84	7.694	7.680	7.718	VV	3288	51209	1.91%	0.129%
85	7.747	7.718	7.772	VV	2095	56994	2.12%	0.143%
86	7.782	7.772	7.796	VV	1920	25411	0.95%	0.064%
87	7.814	7.796	7.843	VV	1965	51482	1.92%	0.129%
88	7.869	7.843	7.898	VV	4214	81812	3.05%	0.206%
89	7.916	7.898	7.939	VV	2255	39401	1.47%	0.099%

					rteres			
90	7.960	7.939	7.970	VV	1542	23925	0.89%	0.060%
91	7.985	7.970	7.999	VV	1990	30431	1.13%	0.077%
92	8.010	7.999	8.017	VV	2003	19027	0.71%	0.048%
93	8.035	8.017	8.052	VV	2809	46665	1.74%	0.117%
94	8.066	8.052	8.095	VV	1926	38877	1.45%	0.098%
95	8.126	8.095	8.140	VV	2491	50676	1.89%	0.127%
96	8.155	8.140	8.170	VV	2691	41189	1.53%	0.104%
97	8.181	8.170	8.202	VV	2407	35871	1.34%	0.090%
98	8.221	8.202	8.240	VV	2558	42368	1.58%	0.107%
99	8.274	8.240	8.294	VV	3792	79916	2.98%	0.201%
100	8.308	8.294	8.312	VV	2654	27531	1.03%	0.069%
101	8.325	8.312	8.351	VV	3517	56194	2.09%	0.141%
102	8.395	8.351	8.425	VV	8569	162777	6.06%	0.409%
103	8.451	8.425	8.471	VV	1867	46860	1.75%	0.118%
104	8.496	8.471	8.512	VV	6030	93493	3.48%	0.235%
105	8.525	8.512	8.545	VV	4399	62758	2.34%	0.158%
106	8.577	8.545	8.606	VV	243480	2571082	95.74%	6.467%
107	8.625	8.606	8.639	VV	2689	45768	1.70%	0.115%
108	8.674	8.639	8.712	VV	3322	105565	3.93%	0.266%
109	8.737	8.712	8.757	VV	4027	71981	2.68%	0.181%
110	8.771	8.757	8.787	VV	2589	39833	1.48%	0.100%
111	8.797	8.787	8.813	VV	2260	32139	1.20%	0.081%
112	8.825	8.813	8.840	VV	1957	27600	1.03%	0.069%
113	8.869	8.840	8.891	VV	2104	50811	1.89%	0.128%
114	8.907	8.891	8.919	VV	1666	24264	0.90%	0.061%
115	8.938	8.919	8.962	VV	2805	54343	2.02%	0.137%
116	8.977	8.962	8.993	VV	2617	44298	1.65%	0.111%
117	9.000	8.993	9.016	VV	2318	27813	1.04%	0.070%
118	9.040	9.016	9.062	VV	3925	74327	2.77%	0.187%
119	9.082	9.062	9.089	VV	2428	35404	1.32%	0.089%
120	9.119	9.089	9.155	VV	7432	140836	5.24%	0.354%
121	9.175	9.155	9.190	VV	2247	39944	1.49%	0.100%
122	9.223	9.190	9.245	VV	3486	76720	2.86%	0.193%
123	9.261	9.245	9.283	VV	2478	45383	1.69%	0.114%
124	9.297	9.283	9.312	VV	2134	32275	1.20%	0.081%
125	9.348	9.312	9.363	VV	2761	64186	2.39%	0.161%
126	9.397	9.363	9.418	VV	4045	89758	3.34%	0.226%
127	9.434	9.418	9.471	VV	3810	71083	2.65%	0.179%
128	9.494	9.471	9.508	VV	2030	36934	1.38%	0.093%
129	9.521	9.508	9.529	VV	1618	18638	0.69%	0.047%
130	9.551	9.529	9.568	VV	3339	52396	1.95%	0.132%
131	9.583	9.568	9.598	VV	2512	34275	1.28%	0.086%
132	9.602	9.598	9.623	VV	1677	22381	0.83%	0.056%
133	9.637	9.623	9.653	VV	1503	25588	0.95%	0.064%
134	9.689	9.653	9.708	VV	3352	69666	2.59%	0.175%
135	9.726	9.708	9.752	VV	3162	56982	2.12%	0.143%
136	9.779	9.752	9.816	VV	3205	89428	3.33%	0.225%
137	9.855	9.816	9.904	VV	3588	109597	4.08%	0.276%
138	9.925	9.904	9.934	VV	2025	30604	1.14%	0.077%
139	9.952	9.934	9.957	VV	2499	29679	1.11%	0.075%
140	9.969	9.957	9.995	VV	2739	50840	1.89%	0.128%
141	10.022	9.995	10.027	VV	1669	28150	1.05%	0.071%

					rteres			
142	10.052	10.027	10.081	VV	51317	544224	20.27%	1.369%
143	10.099	10.081	10.117	VV	2010	38138	1.42%	0.096%
144	10.147	10.117	10.159	VV	2483	52112	1.94%	0.131%
145	10.189	10.159	10.240	VV	230791	2620674	97.59%	6.592%
146	10.255	10.240	10.278	VV	1607	33096	1.23%	0.083%
147	10.293	10.278	10.335	VV	1956	45731	1.70%	0.115%
148	10.360	10.335	10.386	VV	1847	39812	1.48%	0.100%
149	10.399	10.386	10.439	VV	1013	29753	1.11%	0.075%
150	10.462	10.439	10.480	VV	1227	24592	0.92%	0.062%
151	10.486	10.480	10.493	VV	947	7069	0.26%	0.018%
152	10.523	10.493	10.550	VV	2362	51932	1.93%	0.131%
153	10.577	10.550	10.607	VV	5034	91184	3.40%	0.229%
154	10.628	10.607	10.640	VV	2328	36286	1.35%	0.091%
155	10.655	10.640	10.680	VV	2219	40908	1.52%	0.103%
156	10.699	10.680	10.715	VV	2477	38910	1.45%	0.098%
157	10.726	10.715	10.750	VV	1606	27601	1.03%	0.069%
158	10.774	10.750	10.787	VV	1834	32905	1.23%	0.083%
159	10.795	10.787	10.820	VV	1741	31026	1.16%	0.078%
160	10.837	10.820	10.848	VV	1766	25844	0.96%	0.065%
161	10.852	10.848	10.862	VV	1528	13232	0.49%	0.033%
162	10.875	10.862	10.896	VV	1705	30445	1.13%	0.077%
163	10.930	10.896	10.964	VV	2162	69401	2.58%	0.175%
164	11.002	10.964	11.032	VV	7195	134904	5.02%	0.339%
165	11.050	11.032	11.096	VV	1608	49277	1.84%	0.124%
166	11.123	11.096	11.130	VV	1093	19603	0.73%	0.049%
167	11.143	11.130	11.156	VV	1213	17450	0.65%	0.044%
168	11.178	11.156	11.190	VV	2432	36035	1.34%	0.091%
169	11.201	11.190	11.234	VV	2379	42949	1.60%	0.108%
170	11.256	11.234	11.290	VV	1864	46650	1.74%	0.117%
171	11.324	11.290	11.344	VV	1783	42260	1.57%	0.106%
172	11.357	11.344	11.374	VV	1180	19346	0.72%	0.049%
173	11.393	11.374	11.422	VV	1184	31128	1.16%	0.078%
174	11.450	11.422	11.469	VV	1139	29498	1.10%	0.074%
175	11.491	11.469	11.510	VV	1641	32093	1.20%	0.081%
176	11.533	11.510	11.555	VV	1389	31385	1.17%	0.079%
177	11.573	11.555	11.586	VV	1483	24747	0.92%	0.062%
178	11.635	11.586	11.675	VV	228916	2685367	100.00%	6.754%
179	11.680	11.675	11.685	VV	1236	7301	0.27%	0.018%
180	11.724	11.685	11.760	VV	3918	94409	3.52%	0.237%
181	11.787	11.760	11.807	VV	1299	30560	1.14%	0.077%
182	11.831	11.807	11.854	VV	1549	32041	1.19%	0.081%
183	11.890	11.854	11.930	VV	2337	63710	2.37%	0.160%
184	11.946	11.930	11.966	VV	1493	27437	1.02%	0.069%
185	11.983	11.966	11.997	VV	1800	25694	0.96%	0.065%
186	12.015	11.997	12.032	VV	2157	32337	1.20%	0.081%
187	12.050	12.032	12.074	VV	3042	48375	1.80%	0.122%
188	12.080	12.074	12.097	VV	1238	15824	0.59%	0.040%
189	12.126	12.097	12.148	VV	1840	44279	1.65%	0.111%
190	12.163	12.148	12.218	VV	1448	44248	1.65%	0.111%
191	12.245	12.218	12.255	VV	923	18748	0.70%	0.047%
192	12.287	12.255	12.335	VV	2037	67409	2.51%	0.170%
193	12.355	12.335	12.371	VV	1506	25252	0.94%	0.064%
194	12.394	12.371	12.472	VV	2360	74086	2.76%	0.186%

					rteres			
195	12.482	12.472	12.488	VV	861	7418	0.28%	0.019%
196	12.491	12.488	12.495	VV	836	3761	0.14%	0.009%
197	12.516	12.495	12.520	VV	1275	15358	0.57%	0.039%
198	12.556	12.520	12.621	VV	118414	1557850	58.01%	3.918%
199	12.633	12.621	12.653	VV	2127	35275	1.31%	0.089%
200	12.662	12.653	12.698	VV	1623	37004	1.38%	0.093%
201	12.727	12.698	12.754	VV	1429	40919	1.52%	0.103%
202	12.774	12.754	12.811	VV	1675	42391	1.58%	0.107%
203	12.816	12.811	12.838	VV	1136	14140	0.53%	0.036%
204	12.885	12.838	12.906	VV	2109	52337	1.95%	0.132%
205	12.948	12.906	12.985	VV	216936	2604492	96.99%	6.551%
206	13.008	12.985	13.050	VV	3670	70080	2.61%	0.176%
207	13.058	13.050	13.069	VV	669	7168	0.27%	0.018%
208	13.075	13.069	13.080	VV	610	4172	0.16%	0.010%
209	13.100	13.080	13.111	VV	701	11507	0.43%	0.029%
210	13.127	13.111	13.147	VV	668	12384	0.46%	0.031%
211	13.184	13.147	13.272	VV	1798	64526	2.40%	0.162%
212	13.298	13.272	13.323	VV	1458	24637	0.92%	0.062%
213	13.342	13.323	13.374	VV	1365	28507	1.06%	0.072%
214	13.391	13.374	13.417	VV	949	18613	0.69%	0.047%
215	13.444	13.417	13.477	VV	879	22930	0.85%	0.058%
216	13.483	13.477	13.492	VV	524	4549	0.17%	0.011%
217	13.506	13.492	13.528	VV	686	10566	0.39%	0.027%
218	13.570	13.528	13.602	VV	4758	88876	3.31%	0.224%
219	13.624	13.602	13.649	VV	3188	60714	2.26%	0.153%
220	13.653	13.649	13.688	VV	1390	25109	0.94%	0.063%
221	13.700	13.688	13.717	VV	935	14281	0.53%	0.036%
222	13.732	13.717	13.738	VV	792	8994	0.33%	0.023%
223	13.751	13.738	13.758	VV	1006	10983	0.41%	0.028%
224	13.784	13.758	13.869	VV	26441	362816	13.51%	0.913%
225	13.885	13.869	13.909	VV	755	15537	0.58%	0.039%
226	13.915	13.909	13.922	VV	516	3810	0.14%	0.010%
227	13.929	13.922	13.938	VV	495	4401	0.16%	0.011%
228	13.944	13.938	13.949	VV	493	2905	0.11%	0.007%
229	13.989	13.949	14.024	VV	1014	27764	1.03%	0.070%
230	14.036	14.024	14.054	VV	502	7790	0.29%	0.020%
231	14.098	14.054	14.115	VV	1925	35414	1.32%	0.089%
232	14.148	14.115	14.190	VV	208645	2538073	94.51%	6.384%
233	14.206	14.190	14.224	VV	497	6708	0.25%	0.017%
234	14.234	14.224	14.250	VV	330	4213	0.16%	0.011%
235	14.269	14.250	14.288	VV	360	6254	0.23%	0.016%
236	14.293	14.288	14.317	VV	294	3189	0.12%	0.008%
237	14.376	14.317	14.380	VV	428	8806	0.33%	0.022%
238	14.384	14.380	14.413	VV	351	4750	0.18%	0.012%
239	14.445	14.413	14.489	VV	244	7833	0.29%	0.020%
240	14.536	14.489	14.571	VV	1933	38806	1.45%	0.098%
241	14.577	14.571	14.611	VV	502	8917	0.33%	0.022%
242	14.616	14.611	14.650	VV	368	5175	0.19%	0.013%
243	14.659	14.650	14.682	VV	238	2651	0.10%	0.007%
244	14.711	14.682	14.741	VV	3250	47273	1.76%	0.119%
245	14.770	14.741	14.797	VV	801	17000	0.63%	0.043%
246	14.809	14.797	14.827	VV	577	8103	0.30%	0.020%

					rteres			
247	14.833	14.827	14.847	VV	358	3519	0.13%	0.009%
248	14.866	14.847	14.892	VV	347	5720	0.21%	0.014%
249	14.929	14.892	14.954	VV	1188	19437	0.72%	0.049%
250	14.960	14.954	14.980	VV	266	3711	0.14%	0.009%
251	14.985	14.980	15.010	VV	316	3791	0.14%	0.010%
252	15.049	15.010	15.083	VV	102414	1411329	52.56%	3.550%
253	15.090	15.083	15.131	VV	851	14363	0.53%	0.036%
254	15.140	15.131	15.159	VV	264	2955	0.11%	0.007%
255	15.177	15.159	15.193	VV	525	6227	0.23%	0.016%
256	15.252	15.193	15.284	VV	203093	2547725	94.87%	6.408%
257	15.295	15.284	15.322	VV	795	10187	0.38%	0.026%
258	15.331	15.322	15.348	VV	179	2085	0.08%	0.005%
259	15.360	15.348	15.371	VV	144	1505	0.06%	0.004%
260	15.386	15.371	15.418	VV	151	2267	0.08%	0.006%
261	15.445	15.418	15.464	PV	329	4388	0.16%	0.011%
262	15.467	15.464	15.474	VV	179	863	0.03%	0.002%
263	15.482	15.474	15.502	VV	157	1955	0.07%	0.005%
264	15.507	15.502	15.518	VV	1217	2653	0.10%	0.007%
265	15.526	15.518	15.535	VV	127	952	0.04%	0.002%
266	15.547	15.535	15.551	VV	137	940	0.03%	0.002%
267	15.589	15.551	15.595	VV	261	4077	0.15%	0.010%
268	15.627	15.595	15.722	VV	42653	659314	24.55%	1.658%
269	15.727	15.722	15.744	VV	536	6061	0.23%	0.015%
270	15.772	15.744	15.810	VV	4665	80718	3.01%	0.203%
271	15.847	15.810	15.877	VV	4706	72025	2.68%	0.181%
272	15.904	15.877	15.931	VV	498	10490	0.39%	0.026%
273	15.939	15.931	15.951	VV	209	2040	0.08%	0.005%
274	15.959	15.951	15.967	VV	197	1424	0.05%	0.004%
275	15.985	15.967	16.005	VV	539	9072	0.34%	0.023%
276	16.015	16.005	16.050	VV	417	8564	0.32%	0.022%
277	16.064	16.050	16.074	VV	385	4841	0.18%	0.012%
278	16.089	16.074	16.109	VV	431	6865	0.26%	0.017%
279	16.146	16.109	16.182	VV	1334	26709	0.99%	0.067%
280	16.186	16.182	16.219	VV	295	4781	0.18%	0.012%
281	16.226	16.219	16.236	VV	252	2316	0.09%	0.006%
282	16.275	16.236	16.318	VV	192439	2477582	92.26%	6.232%
283	16.336	16.318	16.342	VV	263	3069	0.11%	0.008%
284	16.345	16.342	16.380	VV	278	3163	0.12%	0.008%
285	16.418	16.380	16.435	PV	145	2958	0.11%	0.007%
286	16.464	16.435	16.509	VV	340	8150	0.30%	0.020%
287	16.517	16.509	16.535	VV	107	1338	0.05%	0.003%
288	16.573	16.535	16.615	VV	514	13232	0.49%	0.033%
289	16.641	16.615	16.690	VV	3604	64784	2.41%	0.163%
290	16.756	16.690	16.794	VV	4235	82005	3.05%	0.206%
291	16.836	16.794	16.860	PV	1225	18680	0.70%	0.047%
292	16.884	16.860	16.910	VV	733	10044	0.37%	0.025%
293	16.921	16.910	16.935	VV	125	1428	0.05%	0.004%
294	16.955	16.935	16.980	VV	200	2340	0.09%	0.006%
295	17.011	16.980	17.051	VV	1049	28030	1.04%	0.071%
296	17.060	17.051	17.088	VV	658	10010	0.37%	0.025%
297	17.113	17.088	17.140	VV	859	16562	0.62%	0.042%
298	17.225	17.140	17.258	VV	169210	2413413	89.87%	6.070%
299	17.273	17.258	17.293	VV	1798	24490	0.91%	0.062%

300 17.300 17.293 17.333 VV rteres
664 7036 0.26% 0.018%

Sum of corrected areas: 39757125

FG102124.M Fri Nov 08 07:04:09 2024

Manual Integration Report

Sample ID	ClientID ID	File ID	Sequence ID	Parameter	Supervised By	Supervised On	Reason
P4721-01		FG014671.D	FG110724	TETRACOSANE-d50 (SURROGA	Ankita	11/8/2024 10:00:24 AM	Peak Integrated by Software incorrectly
P4721-02		FG014672.D	FG110724	TETRACOSANE-d50 (SURROGA	Ankita	11/8/2024 10:00:25 AM	Peak Integrated by Software incorrectly
P4721-03		FG014673.D	FG110724	TETRACOSANE-d50 (SURROGA	Ankita	11/8/2024 10:00:27 AM	Peak Integrated by Software incorrectly
P4721-04		FG014674.D	FG110724	TETRACOSANE-d50 (SURROGA	Ankita	11/8/2024 10:00:29 AM	Peak Integrated by Software incorrectly
P4721-05		FG014675.D	FG110724	TETRACOSANE-d50 (SURROGA	Ankita	11/8/2024 10:00:30 AM	Peak Integrated by Software incorrectly
P4721-07		FG014677.D	FG110724	TETRACOSANE-d50 (SURROGA	Ankita	11/8/2024 10:00:31 AM	Peak Integrated by Software incorrectly
P4721-09MS		FG014684.D	FG110724	N-OCTACOSANE	Ankita	11/8/2024 10:00:33 AM	Peak Integrated by Software incorrectly
P4721-15		FG014693.D	FG110724	TETRACOSANE-d50 (SURROGA	Ankita	11/8/2024 10:00:35 AM	Peak Integrated by Software incorrectly
50 PPM TRPH STD		FG014701.D	FG110724	N-OCTACOSANE	Ankita	11/8/2024 10:00:37 AM	Peak Integrated by Software incorrectly
P4721-15		FG014705.D	FG110724	TETRACOSANE-d50 (SURROGA	Ankita	11/11/2024 10:41:17 AM	Peak Integrated by Software incorrectly

Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QC Batch ID # FG102124

Review By	yogesh	Review On	10/21/2024 1:42:42 PM
Supervise By	Ankita	Supervise On	10/22/2024 8:58:41 AM
SubDirectory	FG102124	HP Acquire Method	HP Processing Method FG102124
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	FG014451.D	21 Oct 2024 13:52	YP\AJ	Ok
2	I.BLK	FG014452.D	21 Oct 2024 14:21	YP\AJ	Ok
3	100 TRPH STD	FG014453.D	21 Oct 2024 14:50	YP\AJ	Ok
4	50 TRPH STD	FG014454.D	21 Oct 2024 15:19	YP\AJ	Ok
5	20 TRPH STD	FG014455.D	21 Oct 2024 15:48	YP\AJ	Ok
6	10 TRPH STD	FG014456.D	21 Oct 2024 16:17	YP\AJ	Ok
7	5 TRPH STD	FG014457.D	21 Oct 2024 16:46	YP\AJ	Ok
8	FG102124ICV	FG014458.D	21 Oct 2024 17:15	YP\AJ	Ok

M : Manual Integration

Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QC Batch ID # FG110724

Review By	yogesh	Review On	11/7/2024 12:25:25 PM
Supervise By	Ankita	Supervise On	11/8/2024 10:00:43 AM
SubDirectory	FG110724	HP Acquire Method	HP Processing Method FG102124
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	FG014667.D	07 Nov 2024 10:41	YP\AJ	Ok
2	I.BLK	FG014668.D	07 Nov 2024 11:09	YP\AJ	Ok
3	50 PPM TRPH STD	FG014669.D	07 Nov 2024 12:09	YP\AJ	Ok
4	RT MARKER	FG014670.D	07 Nov 2024 12:37	YP\AJ	Ok
5	P4721-01	FG014671.D	07 Nov 2024 13:34	YP\AJ	Dilution
6	P4721-02	FG014672.D	07 Nov 2024 14:02	YP\AJ	Dilution
7	P4721-03	FG014673.D	07 Nov 2024 14:31	YP\AJ	Dilution
8	P4721-04	FG014674.D	07 Nov 2024 14:59	YP\AJ	Dilution
9	P4721-05	FG014675.D	07 Nov 2024 15:27	YP\AJ	Dilution
10	P4721-06	FG014676.D	07 Nov 2024 15:56	YP\AJ	Ok
11	P4721-07	FG014677.D	07 Nov 2024 16:24	YP\AJ	Dilution
12	P4721-08	FG014678.D	07 Nov 2024 16:53	YP\AJ	Not Ok
13	I.BLK	FG014679.D	07 Nov 2024 17:21	YP\AJ	Ok
14	50 PPM TRPH STD	FG014680.D	07 Nov 2024 18:18	YP\AJ	Ok
15	PB164744BL	FG014681.D	07 Nov 2024 19:43	YP\AJ	Ok
16	PB164744BS	FG014682.D	07 Nov 2024 20:11	YP\AJ	Ok
17	P4721-09	FG014683.D	07 Nov 2024 20:39	YP\AJ	Ok
18	P4721-09MS	FG014684.D	07 Nov 2024 21:08	YP\AJ	Ok,M
19	P4721-09MSD	FG014685.D	07 Nov 2024 21:36	YP\AJ	Ok
20	P4721-10	FG014686.D	07 Nov 2024 22:05	YP\AJ	Ok
21	P4721-11	FG014687.D	07 Nov 2024 22:33	YP\AJ	Ok

Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QC Batch ID # FG110724

Review By	yogesh	Review On	11/7/2024 12:25:25 PM
Supervise By	Ankita	Supervise On	11/8/2024 10:00:43 AM
SubDirectory	FG110724	HP Acquire Method	HP Processing Method FG102124
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	P4721-12	FG014688.D	07 Nov 2024 23:01	YP\AJ	Not Ok
23	P4721-13	FG014689.D	07 Nov 2024 23:30	YP\AJ	Not Ok
24	I.BLK	FG014690.D	07 Nov 2024 23:58	YP\AJ	Ok
25	50 PPM TRPH STD	FG014691.D	08 Nov 2024 00:54	YP\AJ	Ok
26	P4721-14	FG014692.D	08 Nov 2024 02:19	YP\AJ	Dilution
27	P4721-15	FG014693.D	08 Nov 2024 02:48	YP\AJ	Not Ok
28	P4721-01	FG014694.D	08 Nov 2024 03:16	YP\AJ	Ok
29	P4721-02	FG014695.D	08 Nov 2024 03:44	YP\AJ	Ok
30	P4721-03	FG014696.D	08 Nov 2024 04:12	YP\AJ	Ok
31	P4721-04	FG014697.D	08 Nov 2024 04:41	YP\AJ	Ok
32	P4721-05	FG014698.D	08 Nov 2024 05:09	YP\AJ	Ok
33	P4721-06	FG014699.D	08 Nov 2024 05:37	YP\AJ	Dilution
34	I.BLK	FG014700.D	08 Nov 2024 06:06	YP\AJ	Ok
35	50 PPM TRPH STD	FG014701.D	08 Nov 2024 07:02	YP\AJ	Ok,M
36	P4721-08	FG014702.D	08 Nov 2024 08:31	YP\AJ	Ok
37	P4721-12	FG014703.D	08 Nov 2024 08:59	YP\AJ	Ok
38	P4721-13	FG014704.D	08 Nov 2024 09:27	YP\AJ	Ok
39	P4721-15	FG014705.D	08 Nov 2024 09:56	YP\AJ	Ok,M
40	P4721-07	FG014706.D	08 Nov 2024 10:24	YP\AJ	Ok
41	P4721-14	FG014707.D	08 Nov 2024 10:52	YP\AJ	Ok
42	I.BLK	FG014708.D	08 Nov 2024 11:21	YP\AJ	Ok
43	50 PPM TRPH STD	FG014709.D	08 Nov 2024 11:49	YP\AJ	Ok

M : Manual Integration

Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QC Batch ID # FG102124

Review By	yogesh	Review On	10/21/2024 1:42:42 PM
Supervise By	Ankita	Supervise On	10/22/2024 8:58:41 AM
SubDirectory	FG102124	HP Acquire Method	HP Processing Method FG102124

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

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2		FG014451.D	21 Oct 2024 13:52		YP\AJ	Ok
2	I.BLK		FG014452.D	21 Oct 2024 14:21		YP\AJ	Ok
3	100 TRPH STD		FG014453.D	21 Oct 2024 14:50		YP\AJ	Ok
4	50 TRPH STD		FG014454.D	21 Oct 2024 15:19		YP\AJ	Ok
5	20 TRPH STD		FG014455.D	21 Oct 2024 15:48		YP\AJ	Ok
6	10 TRPH STD		FG014456.D	21 Oct 2024 16:17		YP\AJ	Ok
7	5 TRPH STD		FG014457.D	21 Oct 2024 16:46		YP\AJ	Ok
8	FG102124ICV		FG014458.D	21 Oct 2024 17:15		YP\AJ	Ok

M : Manual Integration

Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QC Batch ID # FG110724

Review By	yogesh	Review On	11/7/2024 12:25:25 PM
Supervise By	Ankita	Supervise On	11/8/2024 10:00:43 AM
SubDirectory	FG110724	HP Acquire Method	HP Processing Method FG102124

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	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2		FG014667.D	07 Nov 2024 10:41		YP\AJ	Ok
2	I.BLK		FG014668.D	07 Nov 2024 11:09		YP\AJ	Ok
3	50 PPM TRPH STD		FG014669.D	07 Nov 2024 12:09		YP\AJ	Ok
4	RT MARKER		FG014670.D	07 Nov 2024 12:37		YP\AJ	Ok
5	P4721-01		FG014671.D	07 Nov 2024 13:34	need dilution 100x	YP\AJ	Dilution
6	P4721-02		FG014672.D	07 Nov 2024 14:02	need dilution 100x	YP\AJ	Dilution
7	P4721-03		FG014673.D	07 Nov 2024 14:31	need dilution further 5x	YP\AJ	Dilution
8	P4721-04		FG014674.D	07 Nov 2024 14:59	need dilution further 25x	YP\AJ	Dilution
9	P4721-05		FG014675.D	07 Nov 2024 15:27	need dilution further 250x	YP\AJ	Dilution
10	P4721-06		FG014676.D	07 Nov 2024 15:56		YP\AJ	Ok
11	P4721-07		FG014677.D	07 Nov 2024 16:24	need dilution further 10x	YP\AJ	Dilution
12	P4721-08		FG014678.D	07 Nov 2024 16:53	need straight run	YP\AJ	Not Ok
13	I.BLK		FG014679.D	07 Nov 2024 17:21		YP\AJ	Ok
14	50 PPM TRPH STD		FG014680.D	07 Nov 2024 18:18		YP\AJ	Ok
15	PB164744BL		FG014681.D	07 Nov 2024 19:43		YP\AJ	Ok
16	PB164744BS		FG014682.D	07 Nov 2024 20:11		YP\AJ	Ok
17	P4721-09		FG014683.D	07 Nov 2024 20:39		YP\AJ	Ok
18	P4721-09MS		FG014684.D	07 Nov 2024 21:08		YP\AJ	Ok,M

Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QC Batch ID # FG110724

Review By	yogesh	Review On	11/7/2024 12:25:25 PM
Supervise By	Ankita	Supervise On	11/8/2024 10:00:43 AM
SubDirectory	FG110724	HP Acquire Method	HP Processing Method FG102124
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	P4721-09MSD		FG014685.D	07 Nov 2024 21:36		YPIAJ	Ok
20	P4721-10		FG014686.D	07 Nov 2024 22:05		YPIAJ	Ok
21	P4721-11		FG014687.D	07 Nov 2024 22:33		YPIAJ	Ok
22	P4721-12		FG014688.D	07 Nov 2024 23:01	need straight run	YPIAJ	Not Ok
23	P4721-13		FG014689.D	07 Nov 2024 23:30	need straight run	YPIAJ	Not Ok
24	I.BLK		FG014690.D	07 Nov 2024 23:58		YPIAJ	Ok
25	50 PPM TRPH STD		FG014691.D	08 Nov 2024 00:54		YPIAJ	Ok
26	P4721-14		FG014692.D	08 Nov 2024 02:19	need dilution further 20 x	YPIAJ	Dilution
27	P4721-15		FG014693.D	08 Nov 2024 02:48	need straight run	YPIAJ	Not Ok
28	P4721-01		FG014694.D	08 Nov 2024 03:16		YPIAJ	Ok
29	P4721-02		FG014695.D	08 Nov 2024 03:44		YPIAJ	Ok
30	P4721-03		FG014696.D	08 Nov 2024 04:12		YPIAJ	Ok
31	P4721-04		FG014697.D	08 Nov 2024 04:41		YPIAJ	Ok
32	P4721-05		FG014698.D	08 Nov 2024 05:09		YPIAJ	Ok
33	P4721-06		FG014699.D	08 Nov 2024 05:37	need 10x dilution	YPIAJ	Dilution
34	I.BLK		FG014700.D	08 Nov 2024 06:06		YPIAJ	Ok
35	50 PPM TRPH STD		FG014701.D	08 Nov 2024 07:02		YPIAJ	Ok,M
36	P4721-08		FG014702.D	08 Nov 2024 08:31		YPIAJ	Ok
37	P4721-12		FG014703.D	08 Nov 2024 08:59		YPIAJ	Ok

Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QC Batch ID # FG110724

Review By	yogesh	Review On	11/7/2024 12:25:25 PM
Supervise By	Ankita	Supervise On	11/8/2024 10:00:43 AM
SubDirectory	FG110724	HP Acquire Method	HP Processing Method FG102124
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			

38	P4721-13		FG014704.D	08 Nov 2024 09:27		YP\AJ	Ok
39	P4721-15		FG014705.D	08 Nov 2024 09:56		YP\AJ	Ok,M
40	P4721-07		FG014706.D	08 Nov 2024 10:24		YP\AJ	Ok
41	P4721-14		FG014707.D	08 Nov 2024 10:52		YP\AJ	Ok
42	I.BLK		FG014708.D	08 Nov 2024 11:21		YP\AJ	Ok
43	50 PPM TRPH STD		FG014709.D	08 Nov 2024 11:49		YP\AJ	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: sohil
Analyst: jignesh
Date: 11/7/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 11/06/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:15
Out Date: 11/07/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB133313

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
P4659-01	MH-2	39	1.13	8.64	9.77	8.64	86.9	
P4662-06	102524-D	29	1.00	1.00	2.00	2.00	100.0	oil sample
P4720-01	JC-701-COMP-01	1	1.16	8.49	9.65	8.85	90.6	
P4720-02	JC-701-VOC-01	2	1.16	8.49	9.65	8.85	90.6	
P4720-03	JC-701-01	3	1.15	8.58	9.73	8.99	91.4	
P4720-04	JC-701-02	4	1.13	8.65	9.78	8.73	87.9	
P4721-01	EX-2-TPH-1	5	1.15	8.82	9.97	8.8	86.7	
P4721-02	EX-2-TPH-2	6	1.18	8.47	9.65	8.21	83.0	
P4721-03	EX-2-TPH-3	7	1.16	8.82	9.98	8.95	88.3	
P4721-04	EX-11-TPH-1	8	1.15	8.53	9.68	7.95	79.7	
P4721-05	EX-11-TPH-2	9	1.12	8.56	9.68	8.95	91.5	
P4721-06	EX-11-TPH-3	10	1.15	8.80	9.95	8.14	79.4	
P4721-07	EX-11-TPH-4	11	1.14	8.83	9.97	8.7	85.6	
P4721-08	EX-9-TPH-1	12	1.16	8.53	9.69	8.3	83.7	
P4721-09	EX-9-TPH-2	13	1.12	8.47	9.59	8.36	85.5	
P4721-10	EX-9-TPH-3	14	1.15	8.42	9.57	8.32	85.2	
P4721-11	EX-9-TPH-4	15	1.12	8.81	9.93	9.00	89.4	
P4721-12	EX-9-TPH-5	16	1.17	8.81	9.98	8.83	86.9	
P4721-13	EX-9-TPH-6	17	1.19	8.79	9.98	8.54	83.6	
P4721-14	EX-9-TPH-7	18	1.19	8.42	9.61	8.5	86.8	
P4721-15	EX-9-TPH-8	19	1.15	8.83	9.98	8.85	87.2	
P4722-01	WC-1 (5.5)	20	1.18	8.44	9.62	8.64	88.4	
P4722-03	WC-1 (0-6)	21	1.15	8.81	9.96	9.41	93.8	
P4722-06	WC-2 (2)	22	1.14	8.61	9.75	8.87	89.8	
P4722-08	WC-2 (0-6)	23	1.13	8.79	9.92	9.05	90.1	
P4722-11	WC-3 (5)	24	1.14	8.40	9.54	7.17	71.8	
P4722-13	WC-3 (0-6)	25	1.17	8.61	9.78	8.63	86.6	
P4722-17	WC-1 (3.5)	26	1.19	8.47	9.66	7.95	79.8	

PERCENT SOLID

Supervisor: sohil
Analyst: jignesh
Date: 11/7/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 11/06/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:15
Out Date: 11/07/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB133313

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
P4722-19	WC-2 (4)	27	1.18	8.78	9.96	9.03	89.4	
P4722-21	WC-3 (3)	28	1.17	8.69	9.86	8.79	87.7	
P4731-01	NASSAU-ST-CO	30	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4731-02	S.JEFFERSON-CO-1	31	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4731-03	S.JEFFERSON-CO-2	32	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4732-01	PPE-COMP	33	1.00	1.00	2.00	2.00	100.0	PPE- PLASTIC
P4732-02	PPE-COMP	34	1.00	1.00	2.00	2.00	100.0	PPE- PLASTIC
P4732-04	PPE-Grab	35	1.00	1.00	2.00	2.00	100.0	PPE- PLASTIC
P4732-05	PPE-Grab	36	1.00	1.00	2.00	2.00	100.0	PPE- PLASTIC
P4734-01	EO-03-11062024	37	1.16	8.48	9.64	9.11	93.7	
P4734-02	EO-03-11062024-E2	38	1.19	8.67	9.86	9.26	93.1	
P4737-01	TP2	40	1.15	8.35	9.5	8.78	91.4	
P4737-02	TP2-E2	41	1.16	8.67	9.83	8.94	89.7	
P4738-01	72-12018	42	1.14	8.70	9.84	2.66	17.5	GEL MARTIX
P4739-01	TP-14	43	1.14	8.71	9.85	8.87	88.7	
P4739-02	TP-14-EPH	44	1.18	8.52	9.7	8.71	88.4	
P4739-03	TP-14-VOC	45	1.13	8.73	9.86	8.75	87.3	
P4739-05	BP-G2	46	1.16	8.71	9.87	8.74	87.0	
P4739-06	BP-G2-EPH	47	1.13	8.52	9.65	8.5	86.5	
P4739-07	BP-G2-VOC	48	1.13	8.85	9.98	8.93	88.1	
P4739-09	BP-B2	49	1.15	8.62	9.77	8.68	87.4	
P4739-10	BP-B2-EPH	50	1.15	8.38	9.53	8.4	86.5	
P4739-11	BP-B2-VOC	51	1.15	8.73	9.88	8.66	86.0	
P4739-13	TP-11	52	1.16	8.37	9.53	8.85	91.9	
P4739-14	TP-11-EPH	53	1.16	8.75	9.91	9.17	91.5	
P4739-15	TP-11-VOC	54	1.12	8.74	9.86	9.11	91.4	

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

WORKLIST(Hardcopy Internal Chain)

133313

WorkList Name : %1-110624

WorkList ID : 185146

Department : Wet-Chemistry

Date : 11-06-2024 07:38:45

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4659-01	MH-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/31/2024	Chemtech -SO
P4662-06	102524-D	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/31/2024	Chemtech -SO
P4720-01	JC-701-COMP-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	K31	11/05/2024	Chemtech -SO
P4720-02	JC-701-VOC-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	K31	11/05/2024	Chemtech -SO
P4720-03	JC-701-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	K31	11/05/2024	Chemtech -SO
P4720-04	JC-701-02	Solid	Percent Solids	Cool 4 deg C	PSEG03	K31	11/05/2024	Chemtech -SO
P4721-01	EX-2-TPH-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K31	11/05/2024	Chemtech -SO
P4721-02	EX-2-TPH-2	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-03	EX-2-TPH-3	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-04	EX-11-TPH-1	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-05	EX-11-TPH-2	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-06	EX-11-TPH-3	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-07	EX-11-TPH-4	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-08	EX-9-TPH-1	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-09	EX-9-TPH-2	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-10	EX-9-TPH-3	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-11	EX-9-TPH-4	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-12	EX-9-TPH-5	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-13	EX-9-TPH-6	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-14	EX-9-TPH-7	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-15	EX-9-TPH-8	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO

Date/Time 11/06/24 15:40
 Raw Sample Received by: JWC
 Raw Sample Relinquished by: JWC

Date/Time 11/06/24 17:45
 Raw Sample Received by: JWC
 Raw Sample Relinquished by: JWC

WORKLIST(Hardcopy Internal Chain)

133313

WorkList Name : %1-110624

WorkList ID : 185146

Department : Wet-Chemistry

Date : 11-06-2024 07:38:45

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4722-01	WC-1(5.5)	Solid	Percent Solids	Cool 4 deg C	WALS01	L23	11/05/2024	Chemtech -SO
P4722-03	WC-1(0-6)	Solid	Percent Solids	Cool 4 deg C	WALS01	L23	11/05/2024	Chemtech -SO
P4722-06	WC-2(2)	Solid	Percent Solids	Cool 4 deg C	WALS01	L23	11/05/2024	Chemtech -SO
P4722-08	WC-2(0-6)	Solid	Percent Solids	Cool 4 deg C	WALS01	L23	11/05/2024	Chemtech -SO
P4722-11	WC-3(5)	Solid	Percent Solids	Cool 4 deg C	WALS01	L23	11/05/2024	Chemtech -SO
P4722-13	WC-3(0-6)	Solid	Percent Solids	Cool 4 deg C	WALS01	L23	11/05/2024	Chemtech -SO
P4722-17	WC-1(3.5)	Solid	Percent Solids	Cool 4 deg C	WALS01	L23	11/05/2024	Chemtech -SO
P4722-19	WC-2(4)	Solid	Percent Solids	Cool 4 deg C	WALS01	L23	11/05/2024	Chemtech -SO
P4722-21	WC-3(3)	Solid	Percent Solids	Cool 4 deg C	WALS01	L23	11/05/2024	Chemtech -SO
P4731-01	NASSAU-ST-CO	Solid	Percent Solids	Cool 4 deg C	PSEG03	L23	10/23/2024	Chemtech -SO
P4731-02	S.JEFFERSON-CO-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L23	10/23/2024	Chemtech -SO
P4731-03	S.JEFFERSON-CO-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L23	10/23/2024	Chemtech -SO
P4732-01	PPE-COMP	Solid	Percent Solids	Cool 4 deg C	FUR101	L11	11/06/2024	Chemtech -SO
P4732-02	PPE-COMP	Solid	Percent Solids	Cool 4 deg C	FUR101	L11	11/06/2024	Chemtech -SO
P4732-04	PPE-Grab	Solid	Percent Solids	Cool 4 deg C	FUR101	L11	11/06/2024	Chemtech -SO
P4732-05	PPE-Grab	Solid	Percent Solids	Cool 4 deg C	FUR101	L11	11/06/2024	Chemtech -SO
P4734-01	EO-03-11062024	Solid	Percent Solids	Cool 4 deg C	PSEG05	L23	11/06/2024	Chemtech -SO
P4734-02	EO-03-11062024-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	L23	11/06/2024	Chemtech -SO
P4737-01	TP2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L23	11/05/2024	Chemtech -SO
P4737-02	TP2-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L23	11/05/2024	Chemtech -SO
P4738-01	72-12018	Solid	Percent Solids	Cool 4 deg C	PSEG03	L23	11/06/2024	Chemtech -SO

Date/Time 11/06/24 15:40
Raw Sample Received by: SO (WC)
Raw Sample Relinquished by: SO (WC)

Date/Time 11/06/24
Raw Sample Received by: SO (WC)
Raw Sample Relinquished by: SO (WC)

WORKLIST(Hardcopy Internal Chain)

133313

WorkList Name : %1-110624

WorkList ID : 185146

Department : Wet-Chemistry

Date : 11-06-2024 07:38:45

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4739-01	TP-14	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO
P4739-02	TP-14-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO
P4739-03	TP-14-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO
P4739-05	BP-G2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO
P4739-06	BP-G2-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO
P4739-07	BP-G2-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO
P4739-09	BP-B2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO
P4739-10	BP-B2-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO
P4739-11	BP-B2-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO
P4739-13	TP-11	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO
P4739-14	TP-11-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO
P4739-15	TP-11-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO

Date/Time 11/06/24 15:50

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Date/Time 11/06/24

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: N/A

Extraction Start Date : 11/07/2024

Matrix : Solid

Extraction Start Time : 08:30

Weigh By: EH

Extraction By: RS

Extraction End Date : 11/07/2024

Balance check: RJ

Filter By: RJ

Extraction End Time : 11:30

Balance ID: EX-SC-2

pH Meter ID: N/A

Concentration By: EH

pH Strip Lot#: N/A

Hood ID: 3,7

Supervisor By : rajesh

Extraction Method: ☐ Separatory Funnel

☐ Continous Liquid/Liquid

☐ Sonication

☐ Waste Dilution

☒ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Surrogate	1.0ML	20 PPM	PP23935
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	E3823
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

Envap ID: NEVAP-02

KD Bath Temperature: N/A

Envap Temperature: 40 °C

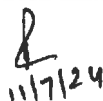
Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/7/24	RP (Ext. Lab)	Y.P. Pest/PCB
11:35	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 11/07/2024

Sample ID	Client Sample ID	Test	g/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB164744BL	PB164744BL	Diesel Range Organics	30.01	N/A	ritesh	Evelyn	1			U5-1
PB164744BS	PB164744BS	Diesel Range Organics	30.03	N/A	ritesh	Evelyn	1			2
P4721-01	EX-2-TPH-1	Diesel Range Organics	30.06	N/A	ritesh	Evelyn	1	E		3
P4721-02	EX-2-TPH-2	Diesel Range Organics	30.09	N/A	ritesh	Evelyn	1	E		4
P4721-03	EX-2-TPH-3	Diesel Range Organics	30.07	N/A	ritesh	Evelyn	1	E		5
P4721-04	EX-11-TPH-1	Diesel Range Organics	30.03	N/A	ritesh	Evelyn	1	E		6
P4721-05	EX-11-TPH-2	Diesel Range Organics	30.01	N/A	ritesh	Evelyn	1	E		U1-1
P4721-06	EX-11-TPH-3	Diesel Range Organics	30.10	N/A	ritesh	Evelyn	1	E		2
P4721-07	EX-11-TPH-4	Diesel Range Organics	30.03	N/A	ritesh	Evelyn	1	E		3
P4721-08	EX-9-TPH-1	Diesel Range Organics	30.06	N/A	ritesh	Evelyn	1	E		4
P4721-09	EX-9-TPH-2	Diesel Range Organics	30.03	N/A	ritesh	Evelyn	1	E		5
P4721-09MS	EX-9-TPH-2MS	Diesel Range Organics	30.02	N/A	ritesh	Evelyn	1	E		6
P4721-09MS D	EX-9-TPH-2MSD	Diesel Range Organics	30.07	N/A	ritesh	Evelyn	1	E		U1-1
P4721-10	EX-9-TPH-3	Diesel Range Organics	30.05	N/A	ritesh	Evelyn	1	E		2
P4721-11	EX-9-TPH-4	Diesel Range Organics	30.08	N/A	ritesh	Evelyn	1	E		3
P4721-12	EX-9-TPH-5	Diesel Range Organics	30.03	N/A	ritesh	Evelyn	1	E		4
P4721-13	EX-9-TPH-6	Diesel Range Organics	30.06	N/A	ritesh	Evelyn	1	E		5
P4721-14	EX-9-TPH-7	Diesel Range Organics	30.01	N/A	ritesh	Evelyn	1	E		6
P4721-15	EX-9-TPH-8	Diesel Range Organics	30.04	N/A	ritesh	Evelyn	1	E		U7-1

* Extracts relinquished on the same date as received.



160719
9:30

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P4721

WorkList ID : 185191

Department : Extraction

Date : 11-07-2024 08:26:18

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4721-01	EX-2-TPH-1	Solid	Diesel Range Organics	Cool 4 deg C	ENTA05	L23	11/05/2024	8015D
P4721-02	EX-2-TPH-2	Solid	Diesel Range Organics	Cool 4 deg C	ENTA05	L23	11/05/2024	8015D
P4721-03	EX-2-TPH-3	Solid	Diesel Range Organics	Cool 4 deg C	ENTA05	L23	11/05/2024	8015D
P4721-04	EX-11-TPH-1	Solid	Diesel Range Organics	Cool 4 deg C	ENTA05	L23	11/05/2024	8015D
P4721-05	EX-11-TPH-2	Solid	Diesel Range Organics	Cool 4 deg C	ENTA05	L23	11/05/2024	8015D
P4721-06	EX-11-TPH-3	Solid	Diesel Range Organics	Cool 4 deg C	ENTA05	L23	11/05/2024	8015D
P4721-07	EX-11-TPH-4	Solid	Diesel Range Organics	Cool 4 deg C	ENTA05	L23	11/05/2024	8015D
P4721-08	EX-9-TPH-1	Solid	Diesel Range Organics	Cool 4 deg C	ENTA05	L23	11/05/2024	8015D
P4721-09	EX-9-TPH-2	Solid	Diesel Range Organics	Cool 4 deg C	ENTA05	L23	11/05/2024	8015D
P4721-10	EX-9-TPH-3	Solid	Diesel Range Organics	Cool 4 deg C	ENTA05	L23	11/05/2024	8015D
P4721-11	EX-9-TPH-4	Solid	Diesel Range Organics	Cool 4 deg C	ENTA05	L23	11/05/2024	8015D
P4721-12	EX-9-TPH-5	Solid	Diesel Range Organics	Cool 4 deg C	ENTA05	L23	11/05/2024	8015D
P4721-13	EX-9-TPH-6	Solid	Diesel Range Organics	Cool 4 deg C	ENTA05	L23	11/05/2024	8015D
P4721-14	EX-9-TPH-7	Solid	Diesel Range Organics	Cool 4 deg C	ENTA05	L23	11/05/2024	8015D
P4721-15	EX-9-TPH-8	Solid	Diesel Range Organics	Cool 4 deg C	ENTA05	L23	11/05/2024	8015D

Date/Time 11/7/24 8:21
Raw Sample Received by: RJ (Ser 164)
Raw Sample Relinquished by: JDCSM

Date/Time 11/7/24 9:00
Raw Sample Received by: JDCSM
Raw Sample Relinquished by: RJ (Ser 164)

Prep Standard - Chemical Standard Summary

Order ID : P4721

Test : Diesel Range Organics

Prepbatch ID : PB164744,

Sequence ID/Qc Batch ID: FG110724,

Standard ID :

EP2538,EP2551,PP23454,PP23611,PP23612,PP23613,PP23614,PP23615,PP23616,PP23617,PP23935,

Chemical ID :

E2865,E3551,E3759,E3787,E3793,E3794,E3822,E3823,P11950,P11960,P13103,P13107,P13210,P13211,P13217,P13218,P13492,P13493,P13494,P13495,

Extractions STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3868	METHELENE CHLORIDE+ACETONE	EP2538	09/17/2024	03/11/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 09/17/2024

FROM 8000.00000ml of E3793 + 8000.00000ml of E3794 = Final Quantity: 1600.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3923	Baked Sodium Sulfate	EP2551	10/18/2024	01/03/2025	Rajesh Parikh	Extraction_SC ALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 10/18/2024

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3609	20 PPM DRO SPIKE SOLUTION (RESTEK)	PP23454	06/10/2024	12/08/2024	Yogesh Patel	None	None	Ankita Jodhani
								06/12/2024

FROM 1.00000ml of P11950 + 1.00000ml of P11960 + 48.00000ml of E3759 = Final Quantity: 50.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
433	100/100 PPM DRO (Restek)	PP23611	08/14/2024	02/13/2025	Yogesh Patel	None	None	Ankita Jodhani
								08/19/2024

FROM 1.00000ml of P13103 + 1.00000ml of P13107 + 1.00000ml of P13210 + 7.00000ml of E3787 = Final Quantity: 10.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3796	100/100 PPM DRO STD (CPI)	PP23612	08/14/2024	02/13/2025	Yogesh Patel	None	None	Ankita Jodhani
								08/19/2024

FROM 1.00000ml of P13211 + 1.00000ml of P13217 + 1.00000ml of P13218 + 7.00000ml of E3787 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
435	50 PPM ICC DRO STD (Restek)	PP23613	08/15/2024	02/13/2025	Yogesh Patel	None	None	Ankita Jodhani
								08/19/2024

FROM 0.50000ml of E3787 + 0.50000ml of PP23611 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
437	20 PPM ICC DRO STD (Restek)	PP23614	08/15/2024	02/13/2025	Yogesh Patel	None	None	Ankita Jodhani
								08/19/2024

FROM 0.80000ml of E3787 + 0.20000ml of PP23611 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
438	10 PPM ICC DRO STD (Restek)	PP23615	08/15/2024	02/13/2025	Yogesh Patel	None	None	Ankita Jodhani
								08/19/2024

FROM 0.90000ml of E3787 + 0.10000ml of PP23611 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
439	5 PPM ICC DRO STD (Restek)	PP23616	08/15/2024	02/13/2025	Yogesh Patel	None	None	Ankita Jodhani
								08/19/2024

FROM 0.90000ml of E3787 + 0.10000ml of PP23613 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3797	50 PPM DRO ICV STD (CPI)	PP23617	08/15/2024	02/13/2025	Yogesh Patel	None	None	Ankita Jodhani
								08/19/2024

FROM 0.50000ml of E3787 + 0.50000ml of PP23612 = Final Quantity: 1.000 ml



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
147	20 PPM DRO Surrogate Spike Solution	PP23935	11/01/2024	04/23/2025	Yogesh Patel	None	None	Ankita Jodhani 11/04/2024
<u>FROM</u> 1.00000ml of P13492 + 1.00000ml of P13493 + 1.00000ml of P13494 + 1.00000ml of P13495 + 196.00000ml of E3822 = Final Quantity: 200.000 ml								

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	0000243821	12/31/2024	04/30/2020 / RAJESH	04/28/2020 / RAJESH	E2865

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24D1962005	12/08/2024	06/08/2024 / Rajesh	05/31/2024 / Rajesh	E3759

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24G0862022	02/13/2025	08/13/2024 / Rajesh	08/07/2024 / Rajesh	E3787

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	9005-05 / Acetone Ultra (cs/4x4L)	24E0761004	03/11/2025	09/12/2024 / Rajesh	09/11/2024 / Rajesh	E3793

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24G2362009	03/17/2025	09/17/2024 / Rajesh	09/03/2024 / Rajesh	E3794

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24I2662006	04/23/2025	10/24/2024 / Rajesh	10/24/2024 / Rajesh	E3822

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24I2662006	05/03/2025	11/03/2024 / Rajesh	10/24/2024 / Rajesh	E3823

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31266 / Florida TRPH Standard	A0186840	12/10/2024	06/10/2024 / yogesh	07/11/2022 / Yogesh	P11950

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31266 / Florida TRPH Standard	A0186840	12/10/2024	06/10/2024 / yogesh	07/11/2022 / Yogesh	P11960

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31266 / Florida TRPH Standard	A0204859	02/14/2025	08/14/2024 / yogesh	01/12/2024 / Yogesh	P13103

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31266 / Florida TRPH Standard	A0204859	02/14/2025	08/14/2024 / yogesh	01/12/2024 / Yogesh	P13107

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	72072 / n-Tetracosane-d50, 1000 ug/ml	101122	02/14/2025	08/14/2024 / yogesh	01/17/2024 / Ankita	P13210

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	72072 / n-Tetracosane-d50, 1000 ug/ml	101122	02/14/2025	08/14/2024 / yogesh	01/17/2024 / Ankita	P13211

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110400-05-01 / TRPH Standard (C8-C40), 500 mg/L, 1 ml	514983	02/14/2025	08/14/2024 / yogesh	01/31/2024 / Ankita	P13217

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110400-05-01 / TRPH Standard (C8-C40), 500 mg/L, 1 ml	514983	02/14/2025	08/14/2024 / yogesh	01/31/2024 / Ankita	P13218

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	72072 / n-Tetracosane-d50, 1000 ug/ml	101122	05/01/2025	11/01/2024 / yogesh	07/24/2024 / yogesh	P13492

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	72072 / n-Tetracosane-d50, 1000 ug/ml	101122	05/01/2025	11/01/2024 / yogesh	07/24/2024 / yogesh	P13493

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	72072 / n-Tetracosane-d50, 1000 ug/ml	101122	05/01/2025	11/01/2024 / yogesh	07/24/2024 / yogesh	P13494

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	72072 / n-Tetracosane-d50, 1000 ug/ml	101122	05/01/2025	11/01/2024 / yogesh	07/24/2024 / yogesh	P13495

Sand
Purified
Washed and Ignited



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

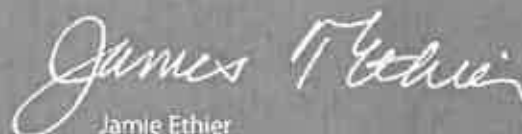
Certificate of Analysis

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

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

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

E 2865


Jamie Ethier
Vice President Global Quality

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

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



**PRODUCTOS
QUÍMICOS
MONTERREY, S.A. DE C.V.**

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

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

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

COMMENTS

QC: PhC Irma Belmares

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

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

RC-02-01, Ed. 3

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



Material No.: 9266-A4
Batch No.: 24D1962005
Manufactured Date: 2024-03-16
Expiration Date: 2025-06-15
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	8
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8 \%$	99.9 %
Color (APHA)	≤ 10	5
Residue after Evaporation	$\leq 1.0 \text{ ppm}$	0.1 ppm
Titration Acid ($\mu\text{eq/g}$)	≤ 0.3	< 0.1
Chloride (Cl)	$\leq 10 \text{ ppm}$	< 5 ppm
Water (by KF, coulometric)	$\leq 0.02 \%$	< 0.01 %

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

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC
Manufacturer source batch: MG24C16563

E 3759

Jamie Croak
Director Quality Operations, Bioscience Production

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



Material No.: 9266-A4
Batch No.: 24G0862022
Manufactured Date: 2024-06-05
Expiration Date: 2025-09-04
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	4
Assay (CH ₂ Cl ₂) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8 \%$	100.0 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Titration Acid (μ eq/g)	≤ 0.3	< 0.1
Chloride (Cl)	≤ 10 ppm	< 5 ppm
Water (by KF, coulometric)	$\leq 0.02 \%$	< 0.01 %

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

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC
Manufacturer source batch: MG24F05012

E 3787

Jamie Croak
Director Quality Operations, Bioscience Production

Acetone
CMOS

avantor™



Material No.: 9005-05
Batch No.: 24E0761004
Manufactured Date: 2024-05-02
Retest Date: 2029-05-01
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	≥ 99.5 %	99.8 %
Color (APHA)	≤ 10	< 5
Residue after Evaporation	≤ 5 ppm	< 1 ppm
Titration Acid (μeq/g)	≤ 0.3	0.1
Titration Base (μeq/g)	≤ 0.5	0.1
Water (H ₂ O)	≤ 0.5 %	0.1 %
Solubility in H ₂ O	Passes Test	Passes Test
Chloride (Cl)	≤ 0.2 ppm	< 0.2 ppm
Phosphate (PO ₄)	≤ 0.05 ppm	< 0.05 ppm
Trace Impurities – Aluminum (Al)	≤ 50.0 ppb	< 5.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 5.0 ppb
Trace Impurities – Barium (Ba)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Beryllium (Be)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Bismuth (Bi)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Boron (B)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Cadmium (Cd)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Calcium (Ca)	≤ 25.0 ppb	3.6 ppb
Trace Impurities – Chromium (Cr)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Cobalt (Co)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Copper (Cu)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Gallium (Ga)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Germanium (Ge)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Gold (Au)	≤ 20 ppb	< 5 ppb
Trace Impurities – Iron (Fe)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Lead (Pb)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Lithium (Li)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Magnesium (Mg)	≤ 20 ppb	< 1 ppb
Trace Impurities – Manganese (Mn)	≤ 10.0 ppb	< 1.0 ppb

>>> Continued on page 2 >>>

Recd. by RP on 9/11/24

E3793

Acetone
CMOS



Material No.: 9005-05
Batch No.: 24E0761004

Test	Specification	Result
Trace Impurities – Molybdenum (Mo)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Nickel (Ni)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Niobium (Nb)	≤ 50.0 ppb	< 1.0 ppb
Trace Impurities – Potassium (K)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Silicon (Si)	≤ 50 ppb	< 10 ppb
Trace Impurities – Silver (Ag)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Sodium (Na)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Strontium (Sr)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Tantalum (Ta)	≤ 50.0 ppb	< 5.0 ppb
Trace Impurities – Thallium (Tl)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Tin (Sn)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Titanium (Ti)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Vanadium (V)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Zinc (Zn)	≤ 20.0 ppb	7.9 ppb
Trace Impurities – Zirconium (Zr)	≤ 10.0 ppb	< 1.0 ppb
Particle Count – 0.5 µm and greater (Rion KS42AF)	≤ 100 par/ml	8 par/ml
Particle Count – 1.0 µm and greater (Rion KS42AF)	≤ 8 par/ml	2 par/ml

>>> Continued on page 3 >>>

Acetone
CMOS



Material No.: 9005-05
Batch No.: 24E0761004

Test	Specification	Result
------	---------------	--------

For Microelectronic Use
Country of Origin: USA
Packaging Site: Paris Mfg Ctr & DC

Michelle Bales
Sr. Manager, Quality Assurance

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



Material No.: 9266-A4

Batch No.: 24I2662006

Manufactured Date: 2024-08-29

Expiration Date: 2025-11-28

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	2
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	3
Assay (CH ₂ Cl ₂) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8 \%$	99.9 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titration Acid (μ eq/g)	≤ 0.3	<0.1
Chloride (Cl)	≤ 10 ppm	<5 ppm
Water (by KF, coulometric)	$\leq 0.02 \%$	<0.01 %

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

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

E 3822

Jamie Croak
Director Quality Operations, Bioscience Production

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

Avantor Performance Materials LLC

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

 **avantorsTM**



Material No.: 9266-A4

Batch No.: 24I2662006

Manufactured Date: 2024-08-29

Expiration Date: 2025-11-28

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	2
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	3
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8\%$	99.9%
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titration Acid ($\mu\text{eq/g}$)	≤ 0.3	< 0.1
Chloride (Cl)	≤ 10 ppm	< 5 ppm
Water (by KF, coulometric)	$\leq 0.02\%$	$< 0.01\%$

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

E 3823



Jamie Croak
Director Quality Operations, Bioscience Production

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

Avantor Performance Materials LLC



CERTIFIED REFERENCE MATERIAL

110 Benner Circle

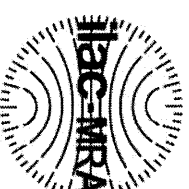
Bellefonte, PA 16823-8812

Tel: (800)356-1688

Fax: (814)353-1309

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 31266

Lot No.: A0186840

Description :

Florida TRPH Standard

Florida TRPH Standard 500µg/mL, Hexane, 1mL/ampul

Container Size :

2 mL

Pkg Amt: > 1 mL

Expiration Date :

July 31, 2029

Storage: 25°C nominal

Handling:

Sonicate prior to use.

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	n-Octane (C8) CAS # 111-65-9 Purity 99%	505.0 µg/mL	+/- 2.9995 µg/mL +/- 12.5465 µg/mL +/- 15.0390 µg/mL	Gravimetric Unstressed Stressed
2	n-Decane (C10) CAS # 124-18-5 Purity 99%	503.0 µg/mL	+/- 2.9877 µg/mL +/- 12.4968 µg/mL +/- 14.9795 µg/mL	Gravimetric Unstressed Stressed
3	n-Dodecane (C12) CAS # 112-40-3 Purity 99%	503.5 µg/mL	+/- 2.9906 µg/mL +/- 12.5092 µg/mL +/- 14.9944 µg/mL	Gravimetric Unstressed Stressed
4	n-Tetradecane (C14) CAS # 629-59-4 Purity 99%	505.0 µg/mL	+/- 2.9995 µg/mL +/- 12.5465 µg/mL +/- 15.0390 µg/mL	Gravimetric Unstressed Stressed
5	n-Hexadecane (C16) CAS # 544-76-3 Purity 98%	504.7 µg/mL	+/- 2.9978 µg/mL +/- 12.5390 µg/mL +/- 15.0301 µg/mL	Gravimetric Unstressed Stressed
6	n-Octadecane (C18) CAS # 593-45-3 Purity 97%	504.4 µg/mL	+/- 2.9960 µg/mL +/- 12.5316 µg/mL +/- 15.0212 µg/mL	Gravimetric Unstressed Stressed
7	n-Eicosane (C20) CAS # 112-95-8 Purity 99%	503.5 µg/mL	+/- 2.9906 µg/mL +/- 12.5092 µg/mL +/- 14.9944 µg/mL	Gravimetric Unstressed Stressed

P11948 } 7.8
P11962 } 07/11/16

8	n-Docosane (C22) CAS # 629-97-0 Purity 99%	(Lot MKCL8918)	504.5 µg/mL	+/- 2.9966 +/- 12.5340 +/- 15.0241	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
9	n-Tetracosane (C24) CAS # 646-31-1 Purity 99%	(Lot MKCN2863)	503.5 µg/mL	+/- 2.9906 +/- 12.5092 +/- 14.9944	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
10	n-Hexacosane (C26) CAS # 630-01-3 Purity 99%	(Lot MKCD4540)	504.0 µg/mL	+/- 2.9936 +/- 12.5216 +/- 15.0093	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
11	n-Octacosane (C28) CAS # 630-02-4 Purity 99%	(Lot BCCG0084)	504.5 µg/mL	+/- 2.9966 +/- 12.5340 +/- 15.0241	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
12	n-Triacontane (C30) CAS # 638-68-6 Purity 99%	(Lot MKCN9321)	505.0 µg/mL	+/- 2.9995 +/- 12.5465 +/- 15.0390	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
13	n-Dotriacontane (C32) CAS # 544-85-4 Purity 99%	(Lot BCBW0661)	505.0 µg/mL	+/- 2.9995 +/- 12.5465 +/- 15.0390	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
14	n-Tetratriacontane (C34) CAS # 14167-59-0 Purity 99%	(Lot OML4N)	504.5 µg/mL	+/- 2.9966 +/- 12.5340 +/- 15.0241	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
15	n-Hexatriacontane (C36) CAS # 630-06-8 Purity 99%	(Lot U25B014)	504.0 µg/mL	+/- 2.9936 +/- 12.5216 +/- 15.0093	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
16	n-Octatriacontane (C38) CAS # 7194-85-6 Purity 97%	(Lot 0000127235)	504.4 µg/mL	+/- 2.9960 +/- 12.5316 +/- 15.0212	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
17	n-Tetracontane (C40) CAS # 4181-95-7 Purity 98%	(Lot PADGI)	504.7 µg/mL	+/- 2.9978 +/- 12.5390 +/- 15.0301	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Column:

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

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

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

Inj. Temp:

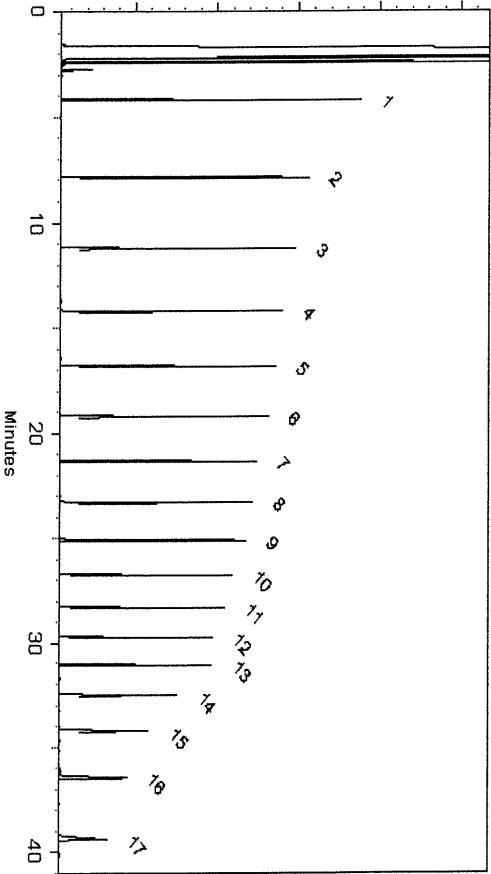
250°C

Det. Temp:

330°C

Det. Type:

FID



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

Brittany Federinko
Brittany Federinko - Operations Tech I

Date Mixed: 29-Jun-2022

Balance: 1128360905

Christie Mills
Christie Mills - Operations Tech II - ARM QC

Date Passed: 01-Jul-2022

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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



CERTIFIED REFERENCE MATERIAL

110 Benner Circle

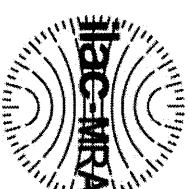
Bellefonte, PA 16823-8812

Tel: (800)356-1688

Fax: (814)353-1309

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 31266

Lot No.: A0186840

Description : Florida TRPH Standard

Florida TRPH Standard 500µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL

Pkg Amt: > 1 mL

Expiration Date : July 31, 2029

Storage: 25°C nominal

Handling: Sonicate prior to use.

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	n-Octane (C8) CAS # 111-65-9 Purity 99%	505.0 µg/mL	+/- 2.9995 µg/mL +/- 12.5465 µg/mL +/- 15.0390 µg/mL	Gravimetric Unstressed Stressed
2	n-Decane (C10) CAS # 124-18-5 Purity 99%	503.0 µg/mL	+/- 2.9877 µg/mL +/- 12.4968 µg/mL +/- 14.9795 µg/mL	Gravimetric Unstressed Stressed
3	n-Dodecane (C12) CAS # 112-40-3 Purity 99%	503.5 µg/mL	+/- 2.9906 µg/mL +/- 12.5092 µg/mL +/- 14.9944 µg/mL	Gravimetric Unstressed Stressed
4	n-Tetradecane (C14) CAS # 629-59-4 Purity 99%	505.0 µg/mL	+/- 2.9995 µg/mL +/- 12.5465 µg/mL +/- 15.0390 µg/mL	Gravimetric Unstressed Stressed
5	n-Hexadecane (C16) CAS # 544-76-3 Purity 98%	504.7 µg/mL	+/- 2.9978 µg/mL +/- 12.5390 µg/mL +/- 15.0301 µg/mL	Gravimetric Unstressed Stressed
6	n-Octadecane (C18) CAS # 593-45-3 Purity 97%	504.4 µg/mL	+/- 2.9960 µg/mL +/- 12.5316 µg/mL +/- 15.0212 µg/mL	Gravimetric Unstressed Stressed
7	n-Eicosane (C20) CAS # 112-95-8 Purity 99%	503.5 µg/mL	+/- 2.9906 µg/mL +/- 12.5092 µg/mL +/- 14.9944 µg/mL	Gravimetric Unstressed Stressed

P11948 } 7.8
P11962 } 07/11/16

8	n-Docosane (C22) CAS # 629-97-0 Purity 99%	(Lot MKCL8918)	504.5 µg/mL	+/- 2.9966 +/- 12.5340 +/- 15.0241	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
9	n-Tetracosane (C24) CAS # 646-31-1 Purity 99%	(Lot MKCN2863)	503.5 µg/mL	+/- 2.9906 +/- 12.5092 +/- 14.9944	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
10	n-Hexacosane (C26) CAS # 630-01-3 Purity 99%	(Lot MKCD4540)	504.0 µg/mL	+/- 2.9936 +/- 12.5216 +/- 15.0093	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
11	n-Octacosane (C28) CAS # 630-02-4 Purity 99%	(Lot BCCG0084)	504.5 µg/mL	+/- 2.9966 +/- 12.5340 +/- 15.0241	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
12	n-Triacontane (C30) CAS # 638-68-6 Purity 99%	(Lot MKCN9321)	505.0 µg/mL	+/- 2.9995 +/- 12.5465 +/- 15.0390	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
13	n-Dotriacontane (C32) CAS # 544-85-4 Purity 99%	(Lot BCBW0661)	505.0 µg/mL	+/- 2.9995 +/- 12.5465 +/- 15.0390	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
14	n-Tetratriacontane (C34) CAS # 14167-59-0 Purity 99%	(Lot OML4N)	504.5 µg/mL	+/- 2.9966 +/- 12.5340 +/- 15.0241	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
15	n-Hexatriacontane (C36) CAS # 630-06-8 Purity 99%	(Lot U25B014)	504.0 µg/mL	+/- 2.9936 +/- 12.5216 +/- 15.0093	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
16	n-Octatriacontane (C38) CAS # 7194-85-6 Purity 97%	(Lot 0000127235)	504.4 µg/mL	+/- 2.9960 +/- 12.5316 +/- 15.0212	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
17	n-Tetracontane (C40) CAS # 4181-95-7 Purity 98%	(Lot PADGI)	504.7 µg/mL	+/- 2.9978 +/- 12.5390 +/- 15.0301	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Column:

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

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

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

Inj. Temp:

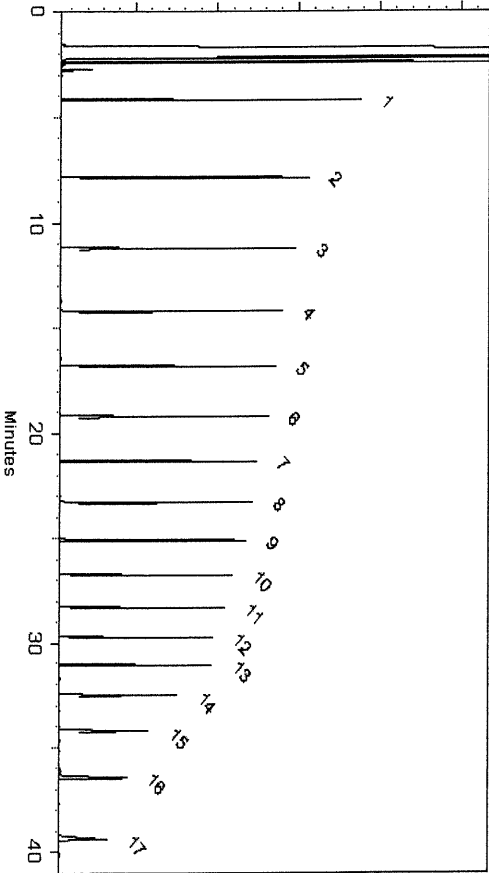
250°C

Det. Temp:

330°C

Det. Type:

FID



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

Brittany Federinko

Brittany Federinko - Operations Tech I

Date Mixed: 29-Jun-2022

Balance: 1128360905

Christie Mills

Christie Mills - Operations Tech II - ARM QC

Date Passed: 01-Jul-2022

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 31266 **Lot No.:** A0204859

Description : Florida TRPH Standard

Florida TRPH Standard 500µg/mL, Hexane, 1mL/ampul

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

Expiration Date : December 31, 2030 **Storage:** 25°C nominal

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

P13103 } Y.P.
↓
P13112 } 01/12/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	n-Octane (C8)	111-65-9	SHBP9758	99%	504.4 µg/mL	+/- 13.0305
2	n-Decane (C10)	124-18-5	SHBQ1342	99%	503.6 µg/mL	+/- 13.0098
3	n-Dodecane (C12)	112-40-3	SHBP7054	99%	503.6 µg/mL	+/- 13.0098
4	n-Tetradecane (C14)	629-59-4	STBK5437	99%	504.0 µg/mL	+/- 13.0201
5	n-Hexadecane (C16)	544-76-3	SHBP8192	99%	504.0 µg/mL	+/- 13.0201
6	n-Octadecane (C18)	593-45-3	UE5NG	98%	504.1 µg/mL	+/- 13.0230
7	n-Eicosane (C20)	112-95-8	MKCN8767	97%	504.0 µg/mL	+/- 13.0204
8	n-Docosane (C22)	629-97-0	MKQC3882	99%	503.6 µg/mL	+/- 13.0098
9	n-Tetracosane (C24)	646-31-1	MKQC8345	99%	504.0 µg/mL	+/- 13.0201
10	n-Hexacosane (C26)	630-01-3	MKQC4814	99%	504.0 µg/mL	+/- 13.0201
11	n-Octacosane (C28)	630-02-4	BCCG0084	99%	504.0 µg/mL	+/- 13.0201
12	n-Triacontane (C30)	638-68-6	MKQC9436	97%	504.0 µg/mL	+/- 13.0204
13	n-Dotriacontane (C32)	544-85-4	BCBW0661	99%	504.0 µg/mL	+/- 13.0201
14	n-Tetratriacontane (C34)	14167-59-0	OML4N	99%	504.4 µg/mL	+/- 13.0305
15	n-Hexatriacontane (C36)	630-06-8	Z27H018	99%	504.0 µg/mL	+/- 13.0201
16	n-Octatriacontane (C38)	7194-85-6	0000145137	96%	503.8 µg/mL	+/- 13.0152
17	n-Tetracontane (C40)	4181-95-7	OKEGA	99%	503.6 µg/mL	+/- 13.0098

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

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

Carrier Gas:
hydrogen-constant pressure 10 psi.

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

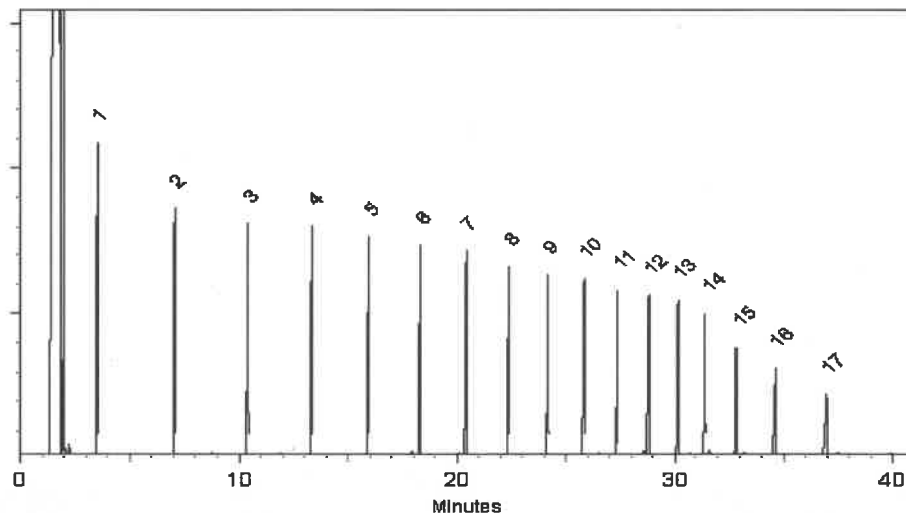
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl

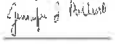


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Dakota Parson - Operations Technician I

Date Mixed: 29-Nov-2023

Balance Serial # B442140311


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Dec-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 31266 **Lot No.:** A0204859

Description : Florida TRPH Standard

Florida TRPH Standard 500µg/mL, Hexane, 1mL/ampul

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

Expiration Date : December 31, 2030 **Storage:** 25°C nominal

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

P13103 } Y.P.
↓
P13112 } 01/12/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	n-Octane (C8)	111-65-9	SHBP9758	99%	504.4 µg/mL	+/- 13.0305
2	n-Decane (C10)	124-18-5	SHBQ1342	99%	503.6 µg/mL	+/- 13.0098
3	n-Dodecane (C12)	112-40-3	SHBP7054	99%	503.6 µg/mL	+/- 13.0098
4	n-Tetradecane (C14)	629-59-4	STBK5437	99%	504.0 µg/mL	+/- 13.0201
5	n-Hexadecane (C16)	544-76-3	SHBP8192	99%	504.0 µg/mL	+/- 13.0201
6	n-Octadecane (C18)	593-45-3	UE5NG	98%	504.1 µg/mL	+/- 13.0230
7	n-Eicosane (C20)	112-95-8	MKCN8767	97%	504.0 µg/mL	+/- 13.0204
8	n-Docosane (C22)	629-97-0	MKCQ3882	99%	503.6 µg/mL	+/- 13.0098
9	n-Tetracosane (C24)	646-31-1	MKCQ8345	99%	504.0 µg/mL	+/- 13.0201
10	n-Hexacosane (C26)	630-01-3	MKCQ4814	99%	504.0 µg/mL	+/- 13.0201
11	n-Octacosane (C28)	630-02-4	BCCG0084	99%	504.0 µg/mL	+/- 13.0201
12	n-Triacontane (C30)	638-68-6	MKCQ9436	97%	504.0 µg/mL	+/- 13.0204
13	n-Dotriacontane (C32)	544-85-4	BCBW0661	99%	504.0 µg/mL	+/- 13.0201
14	n-Tetratriacontane (C34)	14167-59-0	OML4N	99%	504.4 µg/mL	+/- 13.0305
15	n-Hexatriacontane (C36)	630-06-8	Z27H018	99%	504.0 µg/mL	+/- 13.0201
16	n-Octatriacontane (C38)	7194-85-6	0000145137	96%	503.8 µg/mL	+/- 13.0152
17	n-Tetracontane (C40)	4181-95-7	OKEGA	99%	503.6 µg/mL	+/- 13.0098

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

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

Carrier Gas:
hydrogen-constant pressure 10 psi.

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

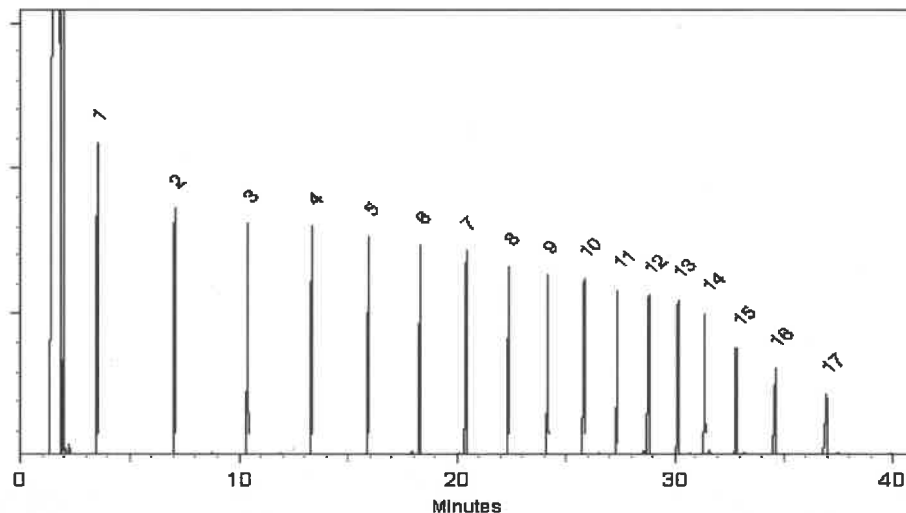
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl

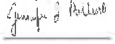


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Dakota Parson - Operations Technician I

Date Mixed: 29-Nov-2023

Balance Serial # B442140311


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Dec-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

CERTIFIED WEIGHT REPORT

Part Number:
Lot Number:
Description:

72072
101122
n-Tetracosane-d50

Solvent(s):
Methylene chloride

Lot#
105345

Expiration Date:
Recommended Storage:
Nominal Concentration (µg/mL):
NIST Test ID#:

101132
Ambient (20 °C)
1000
6UTB

5E-05 Balance Uncertainty
0.058 Flask Uncertainty

Weight(s) shown below were combined and diluted to (mL): 200.0

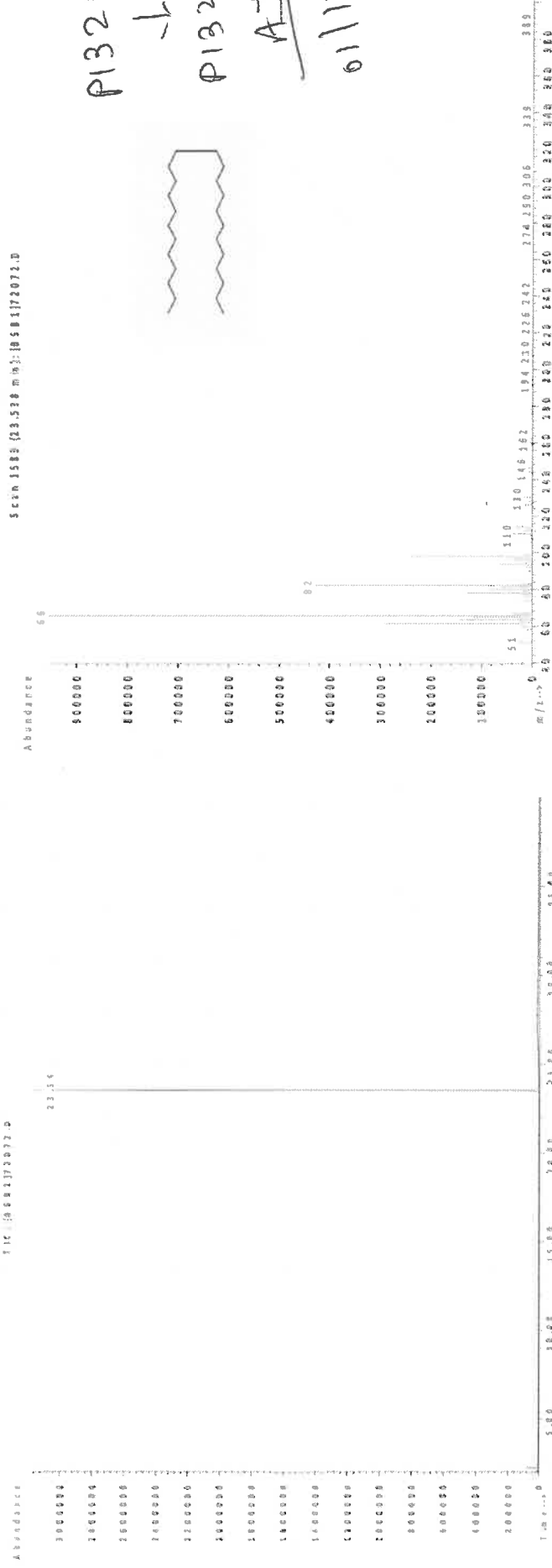
Formulated By:	Prashant Chauhan	101122	DATE
Reviewed By:	Pedro L. Renteria	101122	DATE

SDS Information

Expanded Uncertainty (Solvent Safety Info. On Attached pg.)
Actual Conc (µg/mL) (+/-) (µg/mL) CAS# OSHA PEL (TWA) LD50

Compound	1. n-Tetracosane-d50	2072	PR-26606	1000	98.7	0.2	99.0	0.20471	0.20482	1000.6	4.1	16416-32-3	N/A	N/A
----------	----------------------	------	----------	------	------	-----	------	---------	---------	--------	-----	------------	-----	-----

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 250°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Candice Warren.



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



Certified Reference Material CRM



CERTIFIED WEIGHT REPORT

Part Number:
Lot Number:
Description:

72072
101122
n-Tetracosane-d50

Solvent(s):
Methylene chloride

Lot#
105345

Expiration Date:
Recommended Storage:
Nominal Concentration (µg/mL):
NIST Test ID#:

101132
Ambient (20 °C)
1000
6UTB

5E-05 Balance Uncertainty
0.058 Flask Uncertainty

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

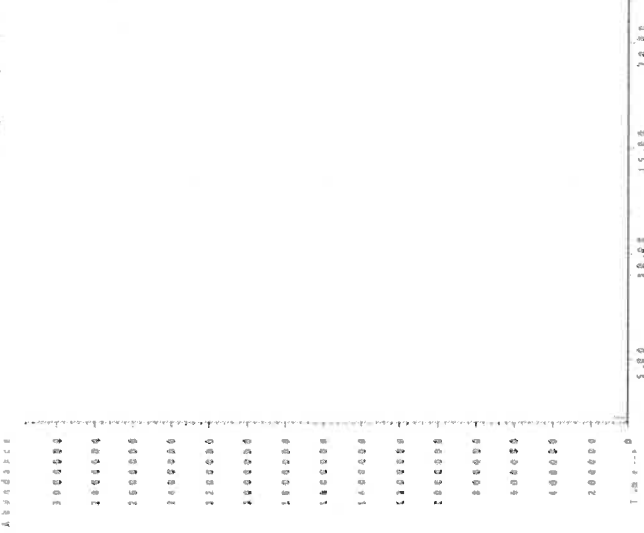
200.0

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty	Assay (%D)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	CAS#	OSHA PEL (TWA)	LD50
----------	-----	------------	----------------------	------------	-------------	------------	------------------	------------------	---------------------	------------------------------------	------	----------------	------

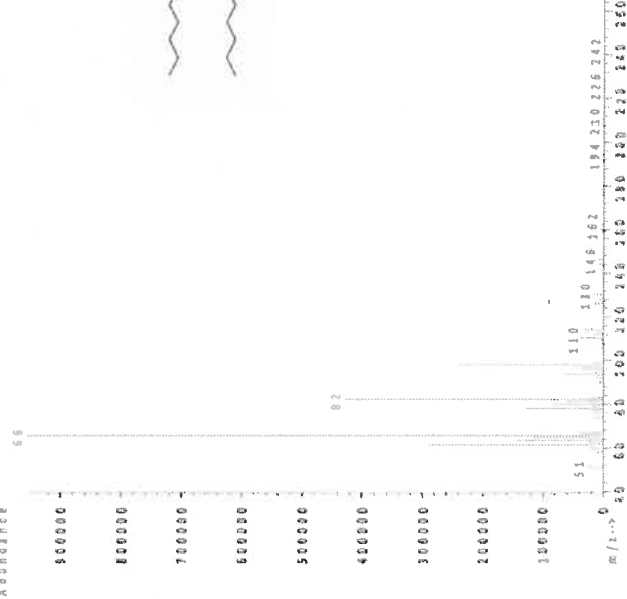
1. n-Tetracosane-d50 2072 PR-26606 1000 98.7 0.2 99.0 0.20471 0.20482 1000.6 4.1 16416-32-3 N/A

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 250°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Candice Warren.

FIGURE 1: 72072.D



Scan 1589 (3.538 min): 1053172072.D



P13205
↓
P13214
A3
61/17/24

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



5580 Skylane Blvd
Santa Rosa, CA 95403
(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Page 1 of 1

Catalog No.: Lot No.: Storage:

Z-110400-05 514983 ≤-10 Degrees C

Solvent:

Hexane

Exp. Date:

11/20/2028

Description:

TRPH Standard (C8-C40), 500 mg/L, 1 ml

-01

Compound

CAS No.

Purity (%)

Compound Lot No.

Concentration, mg/L

decane (C10)

124-18-5

99.7

415.7.2P

498.5 ± 6.92

docosane (C22)

629-97-0

98.8

420.9.1P

499.4 ± 6.93

dodecane (C12)

112-40-3

99.7

416.9.3P

502 ± 6.97

dotriacontane (C32)

544-85-4

97

425.9.2.2P

499.6 ± 8.53

eicosane (C20)

112-95-8

99.8

419.7.1P

501 ± 6.95

hexacosane (C26)

630-01-3

99.3

422.7.2.1P

501 ± 6.95

hexatriacontane (C36)

630-06-8

98

427.29.1.1P

499.3 ± 8.53

n-hexadecane (C16)

544-76-3

99.45

368.27.1.1P

498.7 ± 6.91

octacosane (C28)

630-02-4

99.1

423.24.1P

500.5 ± 6.95

n-octadecane (C18)

593-45-3

99.5

418.29.1P

499.5 ± 6.92

octane (C8)

111-65-9

99.4

385.7.2.1P

498.5 ± 6.92

octatriacontane (C38)

7194-85-6

95

428.1.2P

500.2 ± 6.94

tetracontane (C40)

4181-95-7

97

429.7.2P

499.6 ± 6.93

n-tetracosane (C24)

646-31-1

99.5

421.7.1P

499.5 ± 6.93

n-tetradecane (C14)

629-59-4

99.3

417.9.1P

500 ± 6.94

tetratriacontane (C34)

14167-59-0

96.1

426.7.2.2P

499.7 ± 8.53

triacontane (C30)

638-68-6

99.5

424.7.1.1P

500 ± 6.94

Let the standard warm to room temperature and sonicate before opening.

P13215

↓

P13224

AJ
01131124

*Not a certified value

Andrea Schaible

Andrea Schaible
Chemist

Certified By: _____

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values
listed are determined gravimetrically.



5580 Skylane Blvd
Santa Rosa, CA 95403
(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Page 1 of 1

Catalog No.: Lot No.: Storage:

Z-110400-05 514983 ≤-10 Degrees C

Solvent:

Hexane

Exp. Date:

11/20/2028

Description:

TRPH Standard (C8-C40), 500 mg/L, 1 ml

-01

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
decane (C10)	124-18-5	99.7	415.7.2P	498.5 ± 6.92
docosane (C22)	629-97-0	98.8	420.9.1P	499.4 ± 6.93
dodecane (C12)	112-40-3	99.7	416.9.3P	502 ± 6.97
dotriacontane (C32)	544-85-4	97	425.9.2.2P	499.6 ± 8.53
eicosane (C20)	112-95-8	99.8	419.7.1P	501 ± 6.95
hexacosane (C26)	630-01-3	99.3	422.7.2.1P	501 ± 6.95
hexatriacontane (C36)	630-06-8	98	427.29.1.1P	499.3 ± 8.53
n-hexadecane (C16)	544-76-3	99.45	368.27.1.1P	498.7 ± 6.91
octacosane (C28)	630-02-4	99.1	423.24.1P	500.5 ± 6.95
n-octadecane (C18)	593-45-3	99.5	418.29.1P	499.5 ± 6.92
octane (C8)	111-65-9	99.4	385.7.2.1P	498.5 ± 6.92
octatriacontane (C38)	7194-85-6	95	428.1.2P	500.2 ± 6.94
tetracontane (C40)	4181-95-7	97	429.7.2P	499.6 ± 6.93
n-tetracosane (C24)	646-31-1	99.5	421.7.1P	499.5 ± 6.93
n-tetradecane (C14)	629-59-4	99.3	417.9.1P	500 ± 6.94
tetratriacontane (C34)	14167-59-0	96.1	426.7.2.2P	499.7 ± 8.53
triacontane (C30)	638-68-6	99.5	424.7.1.1P	500 ± 6.94

P 13215

↓

P 13224

AJ
01131124

*Not a certified value

Let the standard warm to room temperature and sonicate before opening.

Andrea Schaible

Andrea Schaible
Chemist

Certified By: _____

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values
listed are determined gravimetrically.

ABSOLUTE STANDARDS, INC.

ISO - 17034



Certificate of Analysis



Certified Reference Material (CRM)

Conformance: The "Certificate of Analysis" is applicable for CRM's, fulfilling the requirements in the current version of: ISO 17034.

Health & Safety: See the attached SDS & Certified Weight Report before use.

Intended Use: This Certified Reference Material (CRM) is intended primarily for use in the characterization of unknowns and the establishment of analyzer or instrument response factors by qualified personnel. Typical instrumental organic assays include: GC & LC, and inorganic assays include: ICP & AA. This product is for laboratory use only.

Characterization Values: In production, gravimetric/volumetric readings are certified to be within $\pm 0.5\%$ of the stated value & are valid between 18 °C & 30 °C. The measured characterization of uncertainty can be found on the Certified Weight Report. All product weighings are performed on an analytical balance that is calibrated to NIST Traceable standard weights & certified by the manufacturer. The volumetric glassware used is Class "A" type & conforms to ASTM E-288 unless otherwise stated. The solvents & compounds used are of the highest practical purity & typically meet or exceed ACS Reagent Grade & ACS Standards Grade specifications. The expanded uncertainty field on Certified Wt. Report represents CRM uncertainty as described in ISO 17034.

Homogeneity: Uncertainties that are due to the analytical procedure(s) are within $\pm 5\%$ unless specifically stated on the Certified Wt. Report.

Verification: Uncertainties that are due to the analytical procedure(s) are within $\pm 5\%$ unless specifically stated on the Certified Wt. Report.

Stability: Uncertainties for short-term stability are determined in accordance with ISO 17034. Long-term stability is determined in accordance with ISO 17034. The shelf life is limited by the stated expiration for each product. Expiration dates and additional technical information can be found on the Certified Weight Report and on the product label.

Uncertainty: UCRM is the expanded uncertainty which utilizes a $K = 2$ (coverage factor of 2), in accordance with ISO 17034 as listed above (Characterization, Homogeneity, Verification, and Stability).

Purity & Identity: Organic solutions are typically formulated from neat materials whose purity & identity have been characterized by GC-MSD & LC-PDA techniques with comparison to a NIST Traceable library of mass spectra when available. Additional characterization techniques may include but are not limited to: refractive index measurements of liquids, melting point measurements of solids, & GC-FID, ECD, PID, ELCD, LC-PDA measurements for purity. Inorganic solutions & neats are typically formulated from materials whose purity & identity have been characterized by ICPMS with comparison to a NIST SRM® when available. Additional characterization techniques may include but are not limited to: titrimetry, and densitometry.

Storage: Sealed ampules and other containers should be stored in the dark and at temperatures indicated on the Certified Weight Report or product label. Certification by Absolute Standards, Inc. is typically valid for 3 years from the date of manufacture. Each product will show its own expiration date as the limit of certification. Certified values are not applicable to opened ampules or for any materials stored in re-sealable containers. Please see the "Certified Weight Report" for specific values and any exceptions.

Usage: Ampules & bottles should be brought to room temperature (18 to 30 °C) before opening. Sonication may be required for high concentration solutions or solutions that may precipitate during storage. After opening, care should be exercised to avoid concentration changes owing to evaporation of the solvent or essential components. We recommend that a suitable re-sealable container be available before opening an ampule to decant the standard for short-term storage and use.

Minimum Sample Size: 0.5 uL for analytical applications.

Legal Notice: Warranty of products are as described when shipped. No warranty as to fitness for any particular application is expressed or implied. Errant shipments and/or quality claims must be made within 10 days of receipt. Liability is limited solely to the replacement of the product or refund of purchase price.

Certifying Officer: Stephen J. Arpie, M.S., Director General

Page 1 of 2



Absolute Standards, Inc. • 44 Rossotto Drive • Hamden, CT 06514
Voice: 800-368-1131 • Fax: 800-410-2577 • eMail: StephenArpie@AbsoluteStandards.com
Document Identification: Certificate of Analysis Rev 14, Date Issued: 05/30/2019



ABSOLUTE STANDARDS, INC.

ISO - 17034

Understanding the Certified Weight Report

Each Certified Reference Material (CRM) is supported by a Certified Weight Report. Assigned values for concentrations and associated uncertainties are based upon NIST traceable masses & volumes used in production.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ISO 17034 Accredited
Scope: http://AbsoluteStandards.com

CERTIFIED WEIGHT REPORT

Part # 10009R
Lot # 070716
Shelf Life Description: CLP Priority Pollutant Internal Standards
GC/MS Calibration - 6 components
070721
Expiration Date: Ambient (20 °C)
Recommended Storage: 4000
Nominal Concentration (µg/mL): 822-275872-11
NIST Test ID#: 5E-05 Balance Uncertainty
0.058 Mass Uncertainty

Solvent(s): Methylene chloride
Lot# 78782

Formulated By: Paul Barron
Reviewed By: Pedro L. Rentes

070716
070716

Weight(s) shown below were combined and diluted to (mL): 500.0

Compound	SMW	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (µg)	Actual Weight (µg)	Actual Conc (µg/mL)	Expanded Uncertainty (µg/mL)	CAS#	MSDS Information (Solvent Safety Info. On Attached pg.)	OSHA PEL (TWA)	LD50
1. 1,4-Dichlorobenzene-d4	118	PR-1845M07287CB1	4000	98	0.2	2.04093	2.04335	4004.7	15.4	2055-02-1	N/A	N/A	or-rat 500mg/kg
2. Naphthalene-d8	223	PR-2339M031612HP1	4000	99	0.2	2.02032	2.02084	4001.0	15.2	1146-85-2	10 ppm (50mg/m3/8h)	N/A	or-rat 400mg/kg
3. Acenaphthene-d10	2	PR-25444	4000	99	0.2	2.02032	2.02245	4004.2	15.2	15067-28-2	N/A	N/A	or-rat 500mg/kg
4. Phenanthrene-d10	248	PR-2305M081711PM1	4000	98	0.2	2.04093	2.04135	4000.8	15.4	1517-25-2	N/A	N/A	N/A
5. Chrysene-d12	92	I-19290	4000	98	0.2	2.04093	2.04150	4001.3	15.4	1719-03-5	N/A	N/A	N/A
6. Perylene-d12	247	PR-24113	4000	98	0.2	2.04093	2.04155	4001.2	15.4	1503-58-3	N/A	N/A	N/A

Run 35, "P10009R L070716 [4000µg/mL in MeCl2]"
Run Length: 40.00 min, 23900 points at 10 points/second.
Created: Sat, Jul 9, 2016 at 1:54:53 PM.
Sampled: Sequence "070716-GC/MS", Method "GC-MS".
Analyzed using Method "GC-MS".

Comments:
GC-MS Analysis by Melissa Siciric
Column ID SPB-5 30 meter x 0.53mm x 1.5um Film Thickness.
Flow rates: Total Flow = 300 mL/min, Helium (carrier) = 0.5 mL, Helium (make-up) = 25 mL.
Hydrogen (detector) = 30 mL, Air (detector) = 300 mL, Oven Temp 1 = 50°C (1 min).
Rise = 10°C/min, Oven Temp 2 = 300°C (14 min). Total Run Time = 40 Minutes. Injector Temp = 250°C.
FID Temp = 300°C, FID Signal = sData Channel 1.
Gas Chromatograph = HP 5890, Auto Sampler = HP 7673, Standard Injection = 0.5 µL, Range = 4

Peak No. Name FID RT (min)

1	1,4-Dichlorobenzene-d4	6.34
2	Naphthalene-d8	8.98
3	Acenaphthene-d10	12.97
4	Phenanthrene-d10	16.37
5	Chrysene-d12	22.62
6	Perylene-d12	25.75

Printed: 5/8/2019, 12:55:50 PM

Part # 10009R Lot # 041219 1 of 2

Formulator
Reviewer

Actual
Concentration

Uncertainty
Values

Health &
Safety

3rd Party
Comparison

For More Information, Contact:

StephenArpie@AbsoluteStandards.com

Page 2 of 2



CERTIFIED WEIGHT REPORT

Part Number: **72072**
Lot Number: **101122**
Description: **n-Tetracosane-d50**

Solvent(s):
Methylene chloride
Lot#
105345

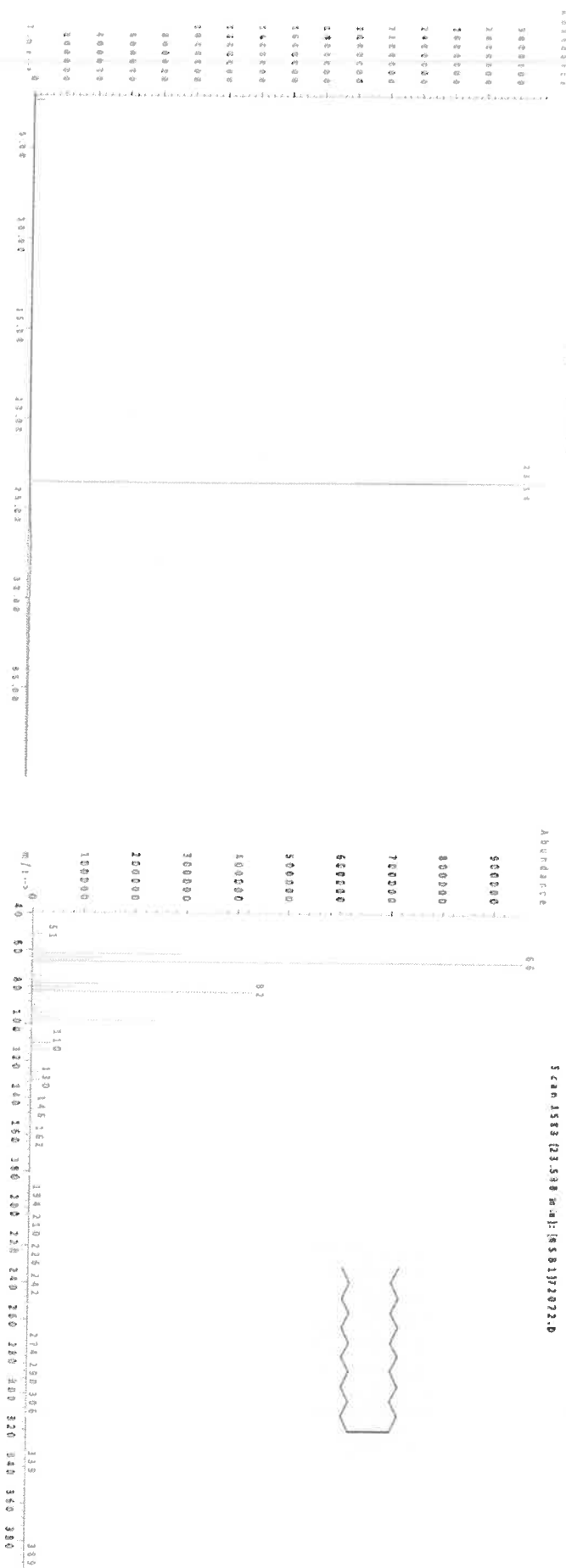
Expiration Date: **101132**
Recommended Storage: **Ambient (20 °C)**
Nominal Concentration (µg/mL): **1000**
NIST Test ID#: **6UB3**
Weight(s) shown below were combined and diluted to (mL): **200.0**
5E-05 Balance Uncertainty
0.058 Flask Uncertainty

P13437
13436
07/24/24
X.F.

Formulated By:	<i>Prashant Chauhan</i>	101122
Reviewed By:	<i>Pedro L. Rentas</i>	101122
DATE		

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)	LD50
1. n-Tetracosane-d50	2072	PR-26606	1000	98.7	0.2	99.0	0.20471	0.20482	1000.6	4.1	16416-32-3	N/A

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B = 250°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Candice Warren.



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

ABSOLUTE STANDARDS, INC.

ISO - 17034



Certificate of Analysis



Certified Reference Material (CRM)

Conformance: The "Certificate of Analysis" is applicable for CRM's, fulfilling the requirements in the current version of: ISO 17034.

Health & Safety: See the attached SDS & Certified Weight Report before use.

Intended Use: This Certified Reference Material (CRM) is intended primarily for use in the characterization of unknowns and the establishment of analyzer or instrument response factors by qualified personnel. Typical instrumental organic assays include: GC & LC, and inorganic assays include: ICP & AA. This product is for laboratory use only.

Characterization Values: In production, gravimetric/volumetric readings are certified to be within $\pm 0.5\%$ of the stated value & are valid between 18 °C & 30 °C. The measured characterization of uncertainty can be found on the Certified Weight Report. All product weighings are performed on an analytical balance that is calibrated to NIST Traceable standard weights & certified by the manufacturer. The volumetric glassware used is Class "A" type & conforms to ASTM E-288 unless otherwise stated. The solvents & compounds used are of the highest practical purity & typically meet or exceed ACS Reagent Grade & ACS Standards Grade specifications. The expanded uncertainty field on Certified Wt. Report represents CRM uncertainty as described in ISO 17034.

Homogeneity: Uncertainties that are due to the analytical procedure(s) are within $\pm 5\%$ unless specifically stated on the Certified Wt. Report.

Verification: Uncertainties that are due to the analytical procedure(s) are within $\pm 5\%$ unless specifically stated on the Certified Wt. Report.

Stability: Uncertainties for short-term stability are determined in accordance with ISO 17034. Long-term stability is determined in accordance with ISO 17034. The shelf life is limited by the stated expiration for each product. Expiration dates and additional technical information can be found on the Certified Weight Report and on the product label.

Uncertainty: UCRM is the expanded uncertainty which utilizes a $K = 2$ (coverage factor of 2), in accordance with ISO 17034 as listed above (Characterization, Homogeneity, Verification, and Stability).

Purity & Identity: Organic solutions are typically formulated from neat materials whose purity & identity have been characterized by GC-MSD & LC-PDA techniques with comparison to a NIST Traceable library of mass spectra when available. Additional characterization techniques may include but are not limited to: refractive index measurements of liquids, melting point measurements of solids, & GC-FID, ECD, PID, ELCD, LC-PDA measurements for purity. Inorganic solutions & neats are typically formulated from materials whose purity & identity have been characterized by ICPMS with comparison to a NIST SRM® when available. Additional characterization techniques may include but are not limited to: titrimetry, and densitometry.

Storage: Sealed ampules and other containers should be stored in the dark and at temperatures indicated on the Certified Weight Report or product label. Certification by Absolute Standards, Inc. is typically valid for 3 years from the date of manufacture. Each product will show its own expiration date as the limit of certification. Certified values are not applicable to opened ampules or for any materials stored in re-sealable containers. Please see the "Certified Weight Report" for specific values and any exceptions.

Usage: Ampules & bottles should be brought to room temperature (18 to 30 °C) before opening. Sonication may be required for high concentration solutions or solutions that may precipitate during storage. After opening, care should be exercised to avoid concentration changes owing to evaporation of the solvent or essential components. We recommend that a suitable re-sealable container be available before opening an ampule to decant the standard for short-term storage and use.

Minimum Sample Size: 0.5 uL for analytical applications.

Legal Notice: Warranty of products are as described when shipped. No warranty as to fitness for any particular application is expressed or implied. Errant shipments and/or quality claims must be made within 10 days of receipt. Liability is limited solely to the replacement of the product or refund of purchase price.

Certifying Officer: Stephen J. Arpie, M.S., Director General

Page 1 of 2



Absolute Standards, Inc. • 44 Rossotto Drive • Hamden, CT 06514
Voice: 800-368-1131 • Fax: 800-410-2577 • eMail: StephenArpie@AbsoluteStandards.com
Document Identification: Certificate of Analysis Rev 14, Date Issued: 05/30/2019



ABSOLUTE STANDARDS, INC.

ISO - 17034

Understanding the Certified Weight Report

Each Certified Reference Material (CRM) is supported by a Certified Weight Report. Assigned values for concentrations and associated uncertainties are based upon NIST traceable masses & volumes used in production.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ISO 17034 Accredited
Scope: http://AbsoluteStandards.com

CERTIFIED WEIGHT REPORT

Part # 10009R
Lot # 070716
Shelf Life Description: CLP Priority Pollutant Internal Standards
GC/MS Calibration - 6 components
070721
Expiration Date: Ambient (20 °C)
Recommended Storage: 4000
Nominal Concentration (µg/mL): 822-275872-11
NIST Test ID#: 5E-05 Balance Uncertainty
0.058 Mass Uncertainty

Solvent(s): Methylene chloride
Lot# 78782

Formulated By: Paul Barron
Reviewed By: Pedro L. Rentes

070716
070716

Weight(s) shown below were combined and diluted to (mL): 500.0

Compound	SMW	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (µg)	Actual Weight (µg)	Actual Conc (µg/mL)	Expanded Uncertainty (µg/mL)	CAS#	MSDS Information (Solvent Safety Info. On Attached pg.)	OSHA PEL (TWA)	LD50
1. 1,4-Dichlorobenzene-d4	118	PR-1845M07287CB1	4000	98	0.2	2.04093	2.04335	4004.7	15.4	2055-02-1	N/A	N/A	or-rat 500mg/kg
2. Naphthalene-d8	223	PR-2339M031612HP1	4000	99	0.2	2.02032	2.02084	4001.0	15.2	1146-85-2	10 ppm (50mg/m3/8h)	N/A	or-rat 400mg/kg
3. Acenaphthene-d10	2	PR-25444	4000	99	0.2	2.02032	2.02245	4004.2	15.2	15067-28-2	N/A	N/A	or-rat 500mg/kg
4. Phenanthrene-d10	248	PR-2305M081711PM1	4000	98	0.2	2.04093	2.04135	4000.8	15.4	1517-25-2	N/A	N/A	N/A
5. Chrysene-d12	92	I-19290	4000	98	0.2	2.04093	2.04150	4001.3	15.4	1719-03-5	N/A	N/A	N/A
6. Perylene-d12	247	PR-24113	4000	98	0.2	2.04093	2.04155	4001.2	15.4	1503-58-3	N/A	N/A	N/A

Run 35, "P10009R L070716 [4000µg/mL in MeCl2]"

Run Length: 40.00 min, 23900 points at 10 points/second.
Created: Sat, Jul 9, 2016 at 1:54:53 PM.
Sampled: Sequence "070716-GC/MS", Method "GC-MS".
Analyzed using Method "GC-MS".

Comments:
GC-MS Analysis by Melissa Siciric
Column ID SPB-5 30 meter x 0.53mm x 1.5um Film Thickness.
Flow rates: Total Flow = 300 mL/min, Helium (carrier) = 0.5 mL, Helium (make-up) = 25 mL.
Hydrogen (detector) = 30 mL, Air (detector) = 300 mL, Oven Temp 1 = 50°C (1 min).
Rise = 10°C/min, Oven Temp 2 = 300°C (14 min), Total Run Time = 40 Minutes, Injector Temp = 250°C.
FID Temp = 300°C, FID Signal = sData Channel 1.
Gas Chromatograph = HP 5890, Auto Sampler = HP 7673, Standard Injection = 0.5 µL, Range = 4

Peak No. Name FID RT (min)

1	1,4-Dichlorobenzene-d4	8.34
2	Naphthalene-d8	8.98
3	Acenaphthene-d10	12.97
4	Phenanthrene-d10	16.37
5	Chrysene-d12	22.62
6	Perylene-d12	25.75

Printed: 5/8/2019, 12:55:50 PM

Part # 10009R Lot # 041219 1 of 2

Formulator
Reviewer

Actual
Concentration

Uncertainty
Values

Health &
Safety

3rd Party
Comparison

For More Information, Contact:

StephenArpie@AbsoluteStandards.com

Page 2 of 2



CERTIFIED WEIGHT REPORT

Part Number: **72072**
Lot Number: **101122**
Description: **n-Tetracosane-d50**

Solvent(s):
Methylene chloride
Lot#
105345

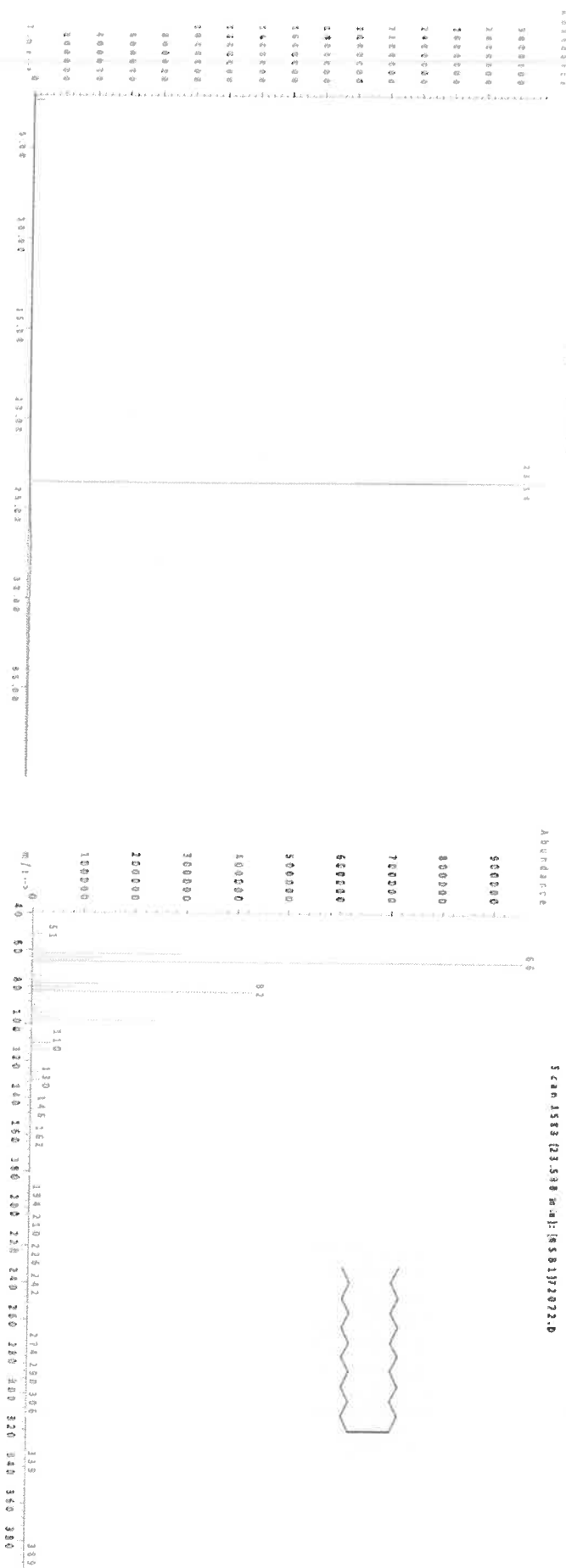
Expiration Date: **101132**
Recommended Storage: **Ambient (20 °C)**
Nominal Concentration (µg/mL): **1000**
NIST Test ID#: **6UB3**
Weight(s) shown below were combined and diluted to (mL): **200.0**
5E-05 Balance Uncertainty
0.058 Flask Uncertainty

P13437
13436
07/24/24
X.F.

Formulated By:	<i>Prashant Chauhan</i>	101122
Reviewed By:	<i>Pedro L. Rentas</i>	101122
	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)	LD50
1. n-Tetracosane-d50	2072	PR-26606	1000	98.7	0.2	99.0	0.20471	0.20482	1000.6	4.1	16416-32-3	N/A

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B = 250°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Candice Warren.



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

ABSOLUTE STANDARDS, INC.

ISO - 17034



Certificate of Analysis



Certified Reference Material (CRM)

Conformance: The "Certificate of Analysis" is applicable for CRM's, fulfilling the requirements in the current version of: ISO 17034.

Health & Safety: See the attached SDS & Certified Weight Report before use.

Intended Use: This Certified Reference Material (CRM) is intended primarily for use in the characterization of unknowns and the establishment of analyzer or instrument response factors by qualified personnel. Typical instrumental organic assays include: GC & LC, and inorganic assays include: ICP & AA. This product is for laboratory use only.

Characterization Values: In production, gravimetric/volumetric readings are certified to be within $\pm 0.5\%$ of the stated value & are valid between 18 °C & 30 °C. The measured characterization of uncertainty can be found on the Certified Weight Report. All product weighings are performed on an analytical balance that is calibrated to NIST Traceable standard weights & certified by the manufacturer. The volumetric glassware used is Class "A" type & conforms to ASTM E-288 unless otherwise stated. The solvents & compounds used are of the highest practical purity & typically meet or exceed ACS Reagent Grade & ACS Standards Grade specifications. The expanded uncertainty field on Certified Wt. Report represents CRM uncertainty as described in ISO 17034.

Homogeneity: Uncertainties that are due to the analytical procedure(s) are within $\pm 5\%$ unless specifically stated on the Certified Wt. Report.

Verification: Uncertainties that are due to the analytical procedure(s) are within $\pm 5\%$ unless specifically stated on the Certified Wt. Report.

Stability: Uncertainties for short-term stability are determined in accordance with ISO 17034. Long-term stability is determined in accordance with ISO 17034. The shelf life is limited by the stated expiration for each product. Expiration dates and additional technical information can be found on the Certified Weight Report and on the product label.

Uncertainty: UCRM is the expanded uncertainty which utilizes a $K = 2$ (coverage factor of 2), in accordance with ISO 17034 as listed above (Characterization, Homogeneity, Verification, and Stability).

Purity & Identity: Organic solutions are typically formulated from neat materials whose purity & identity have been characterized by GC-MSD & LC-PDA techniques with comparison to a NIST Traceable library of mass spectra when available. Additional characterization techniques may include but are not limited to: refractive index measurements of liquids, melting point measurements of solids, & GC-FID, ECD, PID, ELCD, LC-PDA measurements for purity. Inorganic solutions & neats are typically formulated from materials whose purity & identity have been characterized by ICPMS with comparison to a NIST SRM® when available. Additional characterization techniques may include but are not limited to: titrimetry, and densitometry.

Storage: Sealed ampules and other containers should be stored in the dark and at temperatures indicated on the Certified Weight Report or product label. Certification by Absolute Standards, Inc. is typically valid for 3 years from the date of manufacture. Each product will show its own expiration date as the limit of certification. Certified values are not applicable to opened ampules or for any materials stored in re-sealable containers. Please see the "Certified Weight Report" for specific values and any exceptions.

Usage: Ampules & bottles should be brought to room temperature (18 to 30 °C) before opening. Sonication may be required for high concentration solutions or solutions that may precipitate during storage. After opening, care should be exercised to avoid concentration changes owing to evaporation of the solvent or essential components. We recommend that a suitable re-sealable container be available before opening an ampule to decant the standard for short-term storage and use.

Minimum Sample Size: 0.5 uL for analytical applications.

Legal Notice: Warranty of products are as described when shipped. No warranty as to fitness for any particular application is expressed or implied. Errant shipments and/or quality claims must be made within 10 days of receipt. Liability is limited solely to the replacement of the product or refund of purchase price.

Certifying Officer: Stephen J. Arpie, M.S., Director General

Page 1 of 2



Absolute Standards, Inc. • 44 Rossotto Drive • Hamden, CT 06514
Voice: 800-368-1131 • Fax: 800-410-2577 • eMail: StephenArpie@AbsoluteStandards.com
Document Identification: Certificate of Analysis Rev 14, Date Issued: 05/30/2019



ABSOLUTE STANDARDS, INC.

ISO - 17034

Understanding the Certified Weight Report

Each Certified Reference Material (CRM) is supported by a Certified Weight Report. Assigned values for concentrations and associated uncertainties are based upon NIST traceable masses & volumes used in production.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ISO 17034 Accredited
Scope: http://AbsoluteStandards.com

CERTIFIED WEIGHT REPORT

Part # 10009R
Lot # 070716
Shelf Life Description: CLP Priority Pollutant Internal Standards
GC/MS Calibration - 6 components
070721
Expiration Date: Ambient (20 °C)
Recommended Storage: 4000
Nominal Concentration (µg/mL): 822-275872-11
NIST Test ID#: 5E-05 Balance Uncertainty
0.058 Mass Uncertainty

Solvent(s): Methylene chloride
Lot# 78782

Formulated By: Paul Barron
Reviewed By: Pedro L. Rentes

070716
070716

Weight(s) shown below were combined and diluted to (mL): 500.0

Compound	SMW	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (µg)	Actual Weight (µg)	Actual Conc (µg/mL)	Expanded Uncertainty (µg/mL)	CAS#	MSDS Information (Solvent Safety Info. On Attached pg.)	OSHA PEL (TWA)	LD50
1. 1,4-Dichlorobenzene-d4	118	PR-1845M07287CB1	4000	98	0.2	2.04093	2.04335	4004.7	15.4	2055-02-1	N/A	N/A	or-nr 500mg/kg
2. Naphthalene-d8	223	PR-2339M031612HP1	4000	99	0.2	2.02032	2.02084	4001.0	15.2	1146-85-2	10 ppm (50mg/m3/8h)	N/A	or-nr 400mg/kg
3. Acenaphthene-d10	2	PR-25444	4000	99	0.2	2.02032	2.02245	4004.2	15.2	15067-28-2	N/A	N/A	or-nr 500mg/kg
4. Phenanthrene-d10	248	PR-2305M081711PM1	4000	98	0.2	2.04093	2.04135	4000.8	15.4	1517-25-2	N/A	N/A	N/A
5. Chrysene-d12	92	I-19290	4000	98	0.2	2.04093	2.04150	4001.3	15.4	1719-03-5	N/A	N/A	N/A
6. Perylene-d12	247	PR-24113	4000	98	0.2	2.04093	2.04155	4001.2	15.4	1503-58-3	N/A	N/A	N/A

Run 35, "P10009R L070716 [4000µg/mL in MeCl2]"

Run Length: 40.00 min, 23900 points at 10 points/second.
Created: Sat, Jul 9, 2016 at 1:54:53 PM.
Sampled: Sequence "070716-GC/MS", Method "GC-MS".
Analyzed using Method "GC-MS".

Comments:
GC-MS Analysis by Melissa Siciric
Column ID SPB-5 30 meter x 0.53mm x 1.5um Film Thickness.
Flow rates: Total Flow = 300 mL/min, Helium (carrier) = 0.5 mL, Helium (make-up) = 25 mL.
Hydrogen (detector) = 30 mL, Air (detector) = 300 mL, Oven Temp 1 = 50°C (1 min).
Rise = 10°C/min, Oven Temp 2 = 300°C (14 min), Total Run Time = 40 Minutes, Injector Temp = 250°C.
FID Temp = 300°C, FID Signal = sData Channel 1.
Gas Chromatograph = HP 5890, Auto Sampler = HP 7673, Standard Injection = 0.5 µL, Range = 4

Peak No. Name FID RT (min)

1	1,4-Dichlorobenzene-d4	6.34
2	Naphthalene-d8	8.98
3	Acenaphthene-d10	12.97
4	Phenanthrene-d10	16.37
5	Chrysene-d12	22.62
6	Perylene-d12	25.75

Printed: 5/8/2019, 12:55:50 PM

Part # 10009R Lot # 041219

Formulator
Reviewer

Actual
Concentration

Uncertainty
Values

Health &
Safety

3rd Party
Comparison

For More Information, Contact:

StephenArpie@AbsoluteStandards.com

Page 2 of 2



CERTIFIED WEIGHT REPORT

Part Number: **72072**
Lot Number: **101122**
Description: **n-Tetracosane-d50**

Solvent(s):
Methylene chloride
Lot#
105345

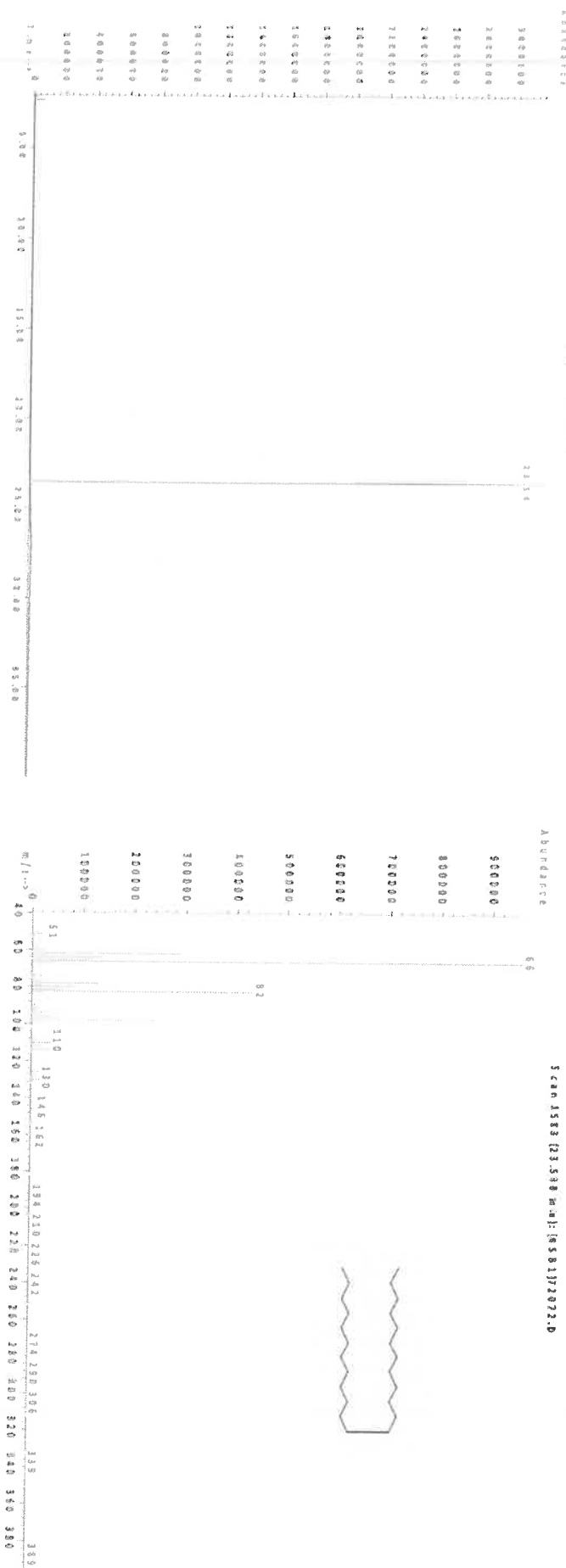
Expiration Date: **101132**
Recommended Storage: **Ambient (20 °C)**
Nominal Concentration (µg/mL): **1000**
NIST Test ID#: **6UB3**
Weight(s) shown below were combined and diluted to (mL): **200.0**
5E-05 Balance Uncertainty
0.058 Flask Uncertainty

P13437
13496
07/24/24
X.F.

Formulated By:	<i>Prashant Chauhan</i>	101122
Reviewed By:	<i>Pedro L. Rentas</i>	101122
DATE		DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)	LD50
1. n-Tetracosane-d50	2072	PR-26606	1000	98.7	0.2	99.0	0.20471	0.20482	1000.6	4.1	16416-32-3	N/A

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B = 250°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Candice Warren.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N., and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Results," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1996).

ABSOLUTE STANDARDS, INC.

ISO - 17034



Certificate of Analysis



Certified Reference Material (CRM)

Conformance: The "Certificate of Analysis" is applicable for CRM's, fulfilling the requirements in the current version of: ISO 17034.

Health & Safety: See the attached SDS & Certified Weight Report before use.

Intended Use: This Certified Reference Material (CRM) is intended primarily for use in the characterization of unknowns and the establishment of analyzer or instrument response factors by qualified personnel. Typical instrumental organic assays include: GC & LC, and inorganic assays include: ICP & AA. This product is for laboratory use only.

Characterization Values: In production, gravimetric/volumetric readings are certified to be within $\pm 0.5\%$ of the stated value & are valid between 18 °C & 30 °C. The measured characterization of uncertainty can be found on the Certified Weight Report. All product weighings are performed on an analytical balance that is calibrated to NIST Traceable standard weights & certified by the manufacturer. The volumetric glassware used is Class "A" type & conforms to ASTM E-288 unless otherwise stated. The solvents & compounds used are of the highest practical purity & typically meet or exceed ACS Reagent Grade & ACS Standards Grade specifications. The expanded uncertainty field on Certified Wt. Report represents CRM uncertainty as described in ISO 17034.

Homogeneity: Uncertainties that are due to the analytical procedure(s) are within $\pm 5\%$ unless specifically stated on the Certified Wt. Report.

Verification: Uncertainties that are due to the analytical procedure(s) are within $\pm 5\%$ unless specifically stated on the Certified Wt. Report.

Stability: Uncertainties for short-term stability are determined in accordance with ISO 17034. Long-term stability is determined in accordance with ISO 17034. The shelf life is limited by the stated expiration for each product. Expiration dates and additional technical information can be found on the Certified Weight Report and on the product label.

Uncertainty: UCRM is the expanded uncertainty which utilizes a $K = 2$ (coverage factor of 2), in accordance with ISO 17034 as listed above (Characterization, Homogeneity, Verification, and Stability).

Purity & Identity: Organic solutions are typically formulated from neat materials whose purity & identity have been characterized by GC-MSD & LC-PDA techniques with comparison to a NIST Traceable library of mass spectra when available. Additional characterization techniques may include but are not limited to: refractive index measurements of liquids, melting point measurements of solids, & GC-FID, ECD, PID, ELCD, LC-PDA measurements for purity. Inorganic solutions & neats are typically formulated from materials whose purity & identity have been characterized by ICPMS with comparison to a NIST SRM® when available. Additional characterization techniques may include but are not limited to: titrimetry, and densitometry.

Storage: Sealed ampules and other containers should be stored in the dark and at temperatures indicated on the Certified Weight Report or product label. Certification by Absolute Standards, Inc. is typically valid for 3 years from the date of manufacture. Each product will show its own expiration date as the limit of certification. Certified values are not applicable to opened ampules or for any materials stored in re-sealable containers. Please see the "Certified Weight Report" for specific values and any exceptions.

Usage: Ampules & bottles should be brought to room temperature (18 to 30 °C) before opening. Sonication may be required for high concentration solutions or solutions that may precipitate during storage. After opening, care should be exercised to avoid concentration changes owing to evaporation of the solvent or essential components. We recommend that a suitable re-sealable container be available before opening an ampule to decant the standard for short-term storage and use.

Minimum Sample Size: 0.5 uL for analytical applications.

Legal Notice: Warranty of products are as described when shipped. No warranty as to fitness for any particular application is expressed or implied. Errant shipments and/or quality claims must be made within 10 days of receipt. Liability is limited solely to the replacement of the product or refund of purchase price.

Certifying Officer: Stephen J. Arpie, M.S., Director General

Page 1 of 2



Absolute Standards, Inc. • 44 Rossotto Drive • Hamden, CT 06514
Voice: 800-368-1131 • Fax: 800-410-2577 • eMail: StephenArpie@AbsoluteStandards.com
Document Identification: Certificate of Analysis Rev 14, Date Issued: 05/30/2019



ABSOLUTE STANDARDS, INC.

ISO - 17034

Understanding the Certified Weight Report

Each Certified Reference Material (CRM) is supported by a Certified Weight Report. Assigned values for concentrations and associated uncertainties are based upon NIST traceable masses & volumes used in production.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ISO 17034 Accredited
Scope: http://AbsoluteStandards.com

CERTIFIED WEIGHT REPORT

Part # 10009R
Lot # 070716
Shelf Life Description: CLP Priority Pollutant Internal Standards
GC/MS Calibration - 6 components
070721
Expiration Date: Ambient (20 °C)
Recommended Storage: 4000
Nominal Concentration (µg/mL): 822-275872-11
NIST Test ID#: 5E-05 Balance Uncertainty
0.058 Mass Uncertainty

Solvent(s): Methylene chloride
Lot# 78782

Formulated By: Paul Barron
Reviewed By: Pedro L. Rentes

070716
070716

Weight(s) shown below were combined and diluted to (mL): 500.0

Compound	SMW	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (µg)	Actual Weight (µg)	Actual Conc (µg/mL)	Expanded Uncertainty (µg/mL)	CAS#	MSDS Information (Solvent Safety Info. On Attached pg.)	OSHA PEL (TWA)	LD50
1. 1,4-Dichlorobenzene-d4	118	PR-1845M07287CB1	4000	98	0.2	2.04093	2.04335	4004.7	15.4	2055-02-1	N/A	N/A	or-rat 500mg/kg
2. Naphthalene-d8	223	PR-2339M031612HP1	4000	99	0.2	2.02032	2.02084	4001.0	15.2	1146-85-2	10 ppm (50mg/m3/8h)	N/A	or-rat 400mg/kg
3. Acenaphthene-d10	2	PR-25444	4000	99	0.2	2.02032	2.02245	4004.2	15.2	15067-28-2	N/A	N/A	or-rat 500mg/kg
4. Phenanthrene-d10	248	PR-2305M081711PM1	4000	98	0.2	2.04093	2.04135	4000.8	15.4	1517-25-2	N/A	N/A	N/A
5. Chrysene-d12	92	I-19290	4000	98	0.2	2.04093	2.04159	4001.3	15.4	1719-03-5	N/A	N/A	N/A
6. Perylene-d12	247	PR-24113	4000	98	0.2	2.04093	2.04158	4001.2	15.4	1503-58-3	N/A	N/A	N/A

Run 35, "P10009R L070716 [4000µg/mL in MeCl2]"
Run Length: 40.00 min, 23900 points at 10 points/second.
Created: Sat, Jul 9, 2016 at 1:54:53 PM.
Sampled: Sequence "070716-GC/MS", Method "GC-MS".
Analyzed using Method "GC-MS".

Comments:
GC-MS Analysis by Melissa Siciric
Column ID SPB-5 30 meter x 0.53mm x 1.5um Film Thickness.
Flow rates: Total Flow = 300 mL/min, Helium (carrier) = 0.5 mL, Helium (make-up) = 25 mL.
Hydrogen (detector) = 30 mL, Air (detector) = 300 mL, Oven Temp 1 = 50°C (1 min).
Rise = 10°C/min, Oven Temp 2 = 300°C (14 min). Total Run Time = 40 Minutes. Injector Temp = 250°C.
FID Temp = 300°C, FID Signal = sData Channel 1.
Gas Chromatograph = HP 5890, Auto Sampler = HP 7673, Standard Injection = 0.5 µL, Range = 4

Peak No. Name FID RT (min)

1	1,4-Dichlorobenzene-d4	8.34
2	Naphthalene-d8	8.98
3	Acenaphthene-d10	12.97
4	Phenanthrene-d10	16.37
5	Chrysene-d12	22.62
6	Perylene-d12	25.75

Printed: 5/8/2019, 12:55:50 PM

Part # 10009R Lot # 041219 1 of 2

Formulator
Reviewer

Actual
Concentration

Uncertainty
Values

Health &
Safety

3rd Party
Comparison

For More Information, Contact:

StephenArpie@AbsoluteStandards.com

Page 2 of 2



CERTIFIED WEIGHT REPORT

Part Number: **72072**
Lot Number: **101122**
Description: **n-Tetracosane-d50**

Solvent(s):
Methylene chloride
Lot#
105345

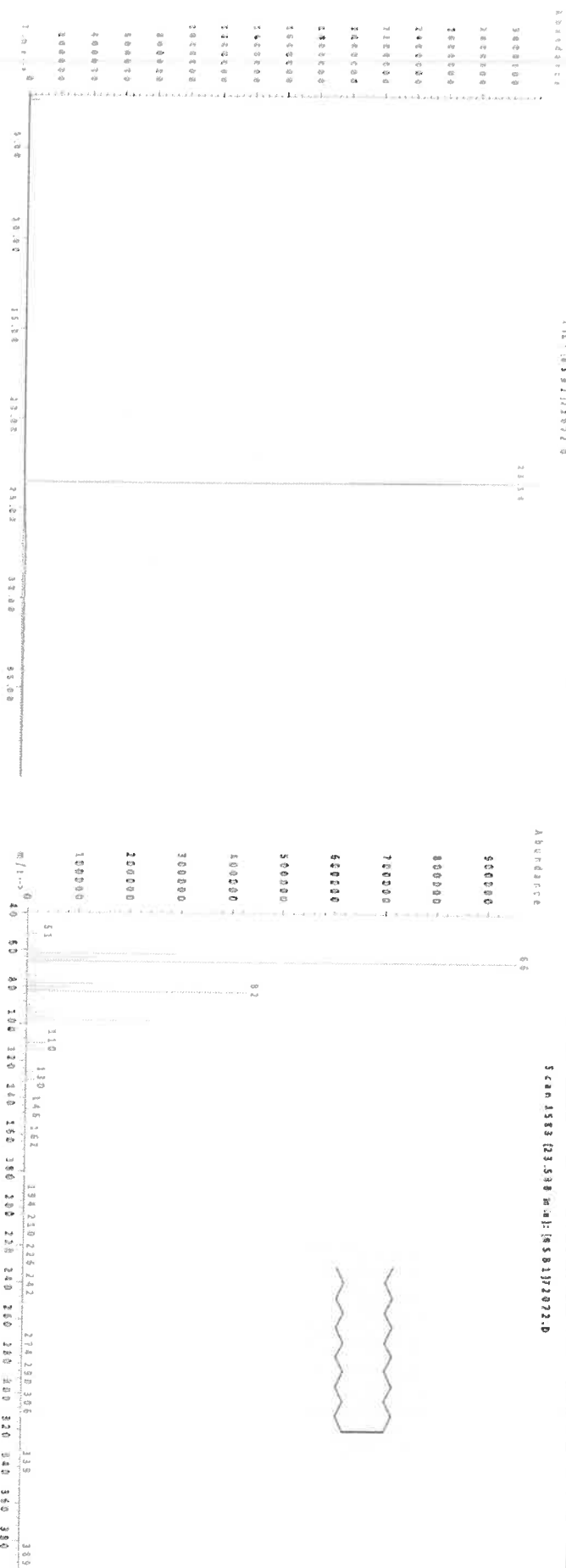
Expiration Date: **101132**
Recommended Storage: **Ambient (20 °C)**
Nominal Concentration (µg/mL): **1000**
NIST Test ID#: **6UB3**
Weight(s) shown below were combined and diluted to (mL): **200.0**
5E-05 Balance Uncertainty
0.058 Flask Uncertainty

P13437
13436
07/24/24
X.F.

Formulated By:	<i>Prashant Chauhan</i>	101122
Reviewed By:	<i>Pedro L. Rentas</i>	101122
DATE		

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%D)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)	LD50
1. n-Tetracosane-d50	2072	PR-26606	1000	98.7	0.2	99.0	0.20471	0.20482	1000.6	4.1	16416-32-3	N/A

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B = 250°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Candice Warren.



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



SHIPPING DOCUMENTS



CHAIN OF CUSTODY RECORD

NO. 2 OF 2

P4721

COMPANY INFORMATION						PROJECT INFORMATION							REQUESTED ANALYSIS/METHOD									
LOCATION ENTACT LLC						PROJECT North Point							NUMBER OF CONTAINERS TPH analysis(EPH Cat2, DRO & GRO) (80'x5)									
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																
						Westmont, IL 60559																
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															COMMENTS
EX-9-TPH-3	TPH		11/5	11:00	Soil	G	Teracore / 8oz	2	X													
EX-9-TPH-4	TPH		11/5	11:00	Soil	G		2	X													
EX-9-TPH-5	TPH		11/5	11:00	Soil	G		2	X													
EX-9-TPH-6	TPH		11/5	11:00	Soil	G		2	X													
EX-9-TPH-7	TPH		11/5	11:00	Soil	G		2	X													
EX-9-TPH-8	TPH		11/5	11:00	Soil	G		2	X													
EX-9-TPH-9	TPH		11/5	11:00	Soil	G		2	X													
SAMPLER		A. Farmerie			SHIPMENT		courier					AIRBILL										
REQUIRED TURNAROUND		☐ SAME DAY ☐ 24 HOURS ☐ 48 HOURS ☐ 72 HOURS ☒ 5 DAYS ☐ 10 DAYS ☐ ROUTINE ☐ OTHER: 3.4 ^c																				
1. RELINQUISHED BY			DATE	2. RELINQUISHED BY			DATE	3. RELINQUISHED BY			DATE											
SIGNATURE:				SIGNATURE:				SIGNATURE:														
PRINTED NAME/COMPANY:				PRINTED NAME/COMPANY:				PRINTED NAME/COMPANY:														
1. RECEIVED BY			DATE	2. RECEIVED BY			DATE	3. RECEIVED BY			DATE											
SIGNATURE:				SIGNATURE:				SIGNATURE:														
PRINTED NAME/COMPANY:				PRINTED NAME/COMPANY:				PRINTED NAME/COMPANY:														



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488