

Cover Page

Order ID : Q1308

Project ID : North Point

Client : ENTACT

Lab Sample Number

Q1308-01
Q1308-02
Q1308-03
Q1308-04
Q1308-05
Q1308-06
Q1308-07
Q1308-08
Q1308-09
Q1308-10
Q1308-11
Q1308-12
Q1308-13

Client Sample Number

EX-8-TPH-1
EX-6-TPH-1
EX-6-TPH-2
EX-11-TPH-5
EX-11-TPH-6
EX-11-TPH-7
EX-11-TPH-8
EX-11-TPH-9
EX-11-TPH-10
EX-11-TPH-11
EX-11-TPH-12
EX-11-TPH-13
EX-11-TPH-14

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 2/11/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

ENTACT

Project Name: North Point

Project # N/A

Chemtech Project # Q1308

Test Name: Diesel Range Organics

A. Number of Samples and Date of Receipt:

13 Solid samples were received on 02/05/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Diesel Range Organics, EPH and Gasoline Range Organics. This data package contains results for Diesel Range Organics.

C. Analytical Techniques:

The analysis were performed on instrument FID_G. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 13302. The analysis of Diesel Range Organics was based on method 8015D and extraction was done based on method 3541.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for EX-8-TPH-1 [Tetracosane-d50 - 0%], EX-6-TPH-1 [Tetracosane-d50 - 0%], EX-6-TPH-2 [Tetracosane-d50 - 0%], EX-11-TPH-7 [Tetracosane-d50 - 0%], EX-11-TPH-8 [Tetracosane-d50 - 0%], EX-11-TPH-9 [Tetracosane-d50 - 0%], EX-11-TPH-10 [Tetracosane-d50 - 0%], EX-11-TPH-11 [Tetracosane-d50 - 0%], EX-11-TPH-12 [Tetracosane-d50 - 0%] and EX-11-TPH-13 [Tetracosane-d50 - 0%] Surrogates were diluted out due to the high dilution. No further corrective action was taken.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds .

The MSD recoveries met the acceptable requirements .

The RPD met criteria .

The Blank Spike met requirements for all samples .

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements .

The Continuous Calibration met the requirements .



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

Samples EX-8-TPH-1, EX-6-TPH-1, EX-6-TPH-2, EX-11-TPH-7, EX-11-TPH-8, EX-11-TPH-9, EX-11-TPH-10, EX-11-TPH-11, EX-11-TPH-12, EX-11-TPH-13 and EX-11-TPH-14 were diluted due to bad matrices.

E. Additional Comments:

The soil samples results are based on a dry weight basis.

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1308

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: NILESH PRAJAPATI

Date: 02/11/2025

LAB CHRONICLE

OrderID:	Q1308	OrderDate:	2/5/2025 2:42:00 PM
Client:	ENTACT	Project:	North Point - 4101 Arthur Kill Rd - E9306
Contact:	Wyatt Seel	Location:	N41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1308-01	EX-8-TPH-1	SOIL			02/05/25			02/05/25
			Diesel Range Organics	8015D		02/06/25	02/07/25	
			Gasoline Range Organics	8015D			02/06/25	
			EPH	NJEPH		02/06/25	02/07/25	
Q1308-01DL	EX-8-TPH-1DL	Solid			02/05/25			02/05/25
			EPH	NJEPH		02/06/25	02/07/25	
Q1308-02	EX-6-TPH-1	SOIL			02/05/25			02/05/25
			Diesel Range Organics	8015D		02/06/25	02/07/25	
			Gasoline Range Organics	8015D			02/06/25	
			EPH	NJEPH		02/06/25	02/07/25	
Q1308-02DL	EX-6-TPH-1DL	Solid			02/05/25			02/05/25
			EPH	NJEPH		02/06/25	02/07/25	
Q1308-03	EX-6-TPH-2	SOIL			02/05/25			02/05/25
			Diesel Range Organics	8015D		02/06/25	02/07/25	
			Gasoline Range Organics	8015D			02/06/25	
			EPH	NJEPH		02/06/25	02/07/25	
			EPH	NJEPH		02/06/25	02/08/25	
Q1308-03DL	EX-6-TPH-2DL	Solid			02/05/25			02/05/25
			EPH	NJEPH		02/06/25	02/07/25	
Q1308-03DL 2	EX-6-TPH-2DL2	Solid			02/05/25			02/05/25
			EPH	NJEPH		02/06/25	02/07/25	
Q1308-04	EX-11-TPH-5	SOIL			02/05/25			02/05/25
			Diesel Range Organics	8015D		02/06/25	02/06/25	
			Gasoline Range Organics	8015D			02/06/25	
			EPH	NJEPH		02/06/25	02/07/25	

LAB CHRONICLE

Q1308-05	EX-11-TPH-6	SOIL			02/05/25			02/05/25
			Diesel Range Organics	8015D		02/06/25	02/06/25	
			Gasoline Range Organics	8015D			02/06/25	
			EPH	NJEPH		02/06/25	02/07/25	
Q1308-06	EX-11-TPH-7	SOIL			02/05/25			02/05/25
			Diesel Range Organics	8015D		02/06/25	02/07/25	
			Gasoline Range Organics	8015D			02/06/25	
			EPH	NJEPH		02/06/25	02/07/25	
			EPH	NJEPH		02/06/25	02/08/25	
Q1308-06DL	EX-11-TPH-7DL	Solid			02/05/25			02/05/25
			EPH	NJEPH		02/06/25	02/07/25	
			EPH	NJEPH		02/06/25	02/08/25	
Q1308-06DL 2	EX-11-TPH-7DL2	Solid			02/05/25			02/05/25
			EPH	NJEPH		02/06/25	02/07/25	
			EPH	NJEPH		02/06/25	02/08/25	
Q1308-07	EX-11-TPH-8	SOIL			02/05/25			02/05/25
			Diesel Range Organics	8015D		02/06/25	02/07/25	
			Gasoline Range Organics	8015D			02/07/25	
			EPH	NJEPH		02/06/25	02/07/25	
			EPH	NJEPH		02/06/25	02/08/25	
Q1308-07DL	EX-11-TPH-8DL	Solid			02/05/25			02/05/25
			EPH	NJEPH		02/06/25	02/07/25	
			EPH	NJEPH		02/06/25	02/08/25	
Q1308-08	EX-11-TPH-9	SOIL			02/05/25			02/05/25
			Diesel Range Organics	8015D		02/06/25	02/07/25	
			Gasoline Range Organics	8015D			02/07/25	
			EPH	NJEPH		02/06/25	02/07/25	
			EPH	NJEPH		02/06/25	02/08/25	
Q1308-08DL	EX-11-TPH-9DL	Solid			02/05/25			02/05/25
			EPH	NJEPH		02/06/25	02/07/25	
			EPH	NJEPH		02/06/25	02/08/25	

LAB CHRONICLE

Q1308-08DL 2	EX-11-TPH-9DL2	Solid			02/05/25		02/05/25
			EPH	NJEPH	02/06/25	02/07/25	
			EPH	NJEPH	02/06/25	02/08/25	
Q1308-09	EX-11-TPH-10	SOIL			02/05/25		02/05/25
			Diesel Range Organics	8015D	02/06/25	02/07/25	
			Gasoline Range Organics	8015D		02/07/25	
			EPH	NJEPH	02/06/25	02/07/25	
			EPH	NJEPH	02/06/25	02/08/25	
			EPH	NJEPH	02/06/25	02/10/25	
Q1308-09DL	EX-11-TPH-10DL	Solid			02/05/25		02/05/25
			EPH	NJEPH	02/06/25	02/08/25	
			EPH	NJEPH	02/06/25	02/10/25	
Q1308-09DL 2	EX-11-TPH-10DL2	Solid			02/05/25		02/05/25
			EPH	NJEPH	02/06/25	02/08/25	
			EPH	NJEPH	02/06/25	02/10/25	
Q1308-10	EX-11-TPH-11	SOIL			02/05/25		02/05/25
			Diesel Range Organics	8015D	02/06/25	02/07/25	
			Gasoline Range Organics	8015D		02/07/25	
			EPH	NJEPH	02/06/25	02/07/25	
			EPH	NJEPH	02/06/25	02/10/25	
Q1308-10DL	EX-11-TPH-11DL	Solid			02/05/25		02/05/25
			EPH	NJEPH	02/06/25	02/10/25	
Q1308-11	EX-11-TPH-12	SOIL			02/05/25		02/05/25
			Diesel Range Organics	8015D	02/06/25	02/07/25	
			Gasoline Range Organics	8015D		02/07/25	
			EPH	NJEPH	02/06/25	02/07/25	
			EPH	NJEPH	02/06/25	02/10/25	
Q1308-11DL	EX-11-TPH-12DL	Solid			02/05/25		02/05/25
			EPH	NJEPH	02/06/25	02/10/25	
Q1308-12	EX-11-TPH-13	SOIL			02/05/25		02/05/25
			Diesel Range Organics	8015D	02/06/25	02/07/25	

LAB CHRONICLE

			Gasoline Range Organics	8015D		02/07/25	
			EPH	NJEPH	02/06/25	02/07/25	
			EPH	NJEPH	02/06/25	02/10/25	
Q1308-12DL	EX-11-TPH-13DL	Solid			02/05/25		02/05/25
			EPH	NJEPH	02/06/25	02/10/25	
Q1308-12DL 2	EX-11-TPH-13DL2	Solid			02/05/25		02/05/25
			EPH	NJEPH	02/06/25	02/10/25	
Q1308-12DL 3	EX-11-TPH-13DL3	Solid			02/05/25		02/05/25
			EPH	NJEPH	02/06/25	02/10/25	
Q1308-13	EX-11-TPH-14	SOIL			02/05/25		02/05/25
			Diesel Range Organics	8015D	02/06/25	02/07/25	
			Gasoline Range Organics	8015D		02/07/25	
			EPH	NJEPH	02/06/25	02/07/25	
			EPH	NJEPH	02/06/25	02/10/25	
Q1308-13DL	EX-11-TPH-14DL	Solid			02/05/25		02/05/25
			EPH	NJEPH	02/06/25	02/10/25	



QC SUMMARY

SOIL DIESEL RANGE ORGANICS SURROGATE RECOVERY

Lab Name: Chemtech Client: ENTACT
Lab Code: CHEM Case No.: Q1308 SAS No.: Q1308 SDG No.: Q1308

EPA SAMPLE NO.	S1 TETRACOSANE-d50	S2	S3	S4	TOT OUT
PIBLK-FG015314.D	97				0
PIBLK-FG015322.D	83				0
PIBLK-FG015332.D	85				0
PIBLK-FG015342.D	86				0
PIBLK-FG015345.D	92				0
PIBLK-FG015356.D	81				0
PB166587BL	76				0
PB166587BS	78				0
EX-8-TPH-1	0 *				1
EX-6-TPH-1	0 *				1
EX-6-TPH-2	0 *				1
EX-11-TPH-5	61				0
EX-11-TPH-5MS	51				0
EX-11-TPH-5MSD	52				0
EX-11-TPH-6	39				0
EX-11-TPH-7	0 *				1
EX-11-TPH-8	0 *				1
EX-11-TPH-9	0 *				1
EX-11-TPH-10	0 *				1
EX-11-TPH-11	0 *				1
EX-11-TPH-12	0 *				1
EX-11-TPH-13	0 *				1
EX-11-TPH-14	59				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:** Q1308 **SAS No :** Q1308 **SDG No:** Q1308
Client SampleID : EX-11-TPH-5MS **Datafile:** FG015326.D

COMPOUND	SPIKE ADDED ug/kg	SAMPLE CONCENTRATION ug/kg	MS/MSD CONCENTRATION ug/kg	% REC	Qual	QC LIMITS
DRO	7795	1870	8118	80%		68-131

SOIL DIESEL RANGE ORGANICS MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** ENTACT
Lab Code: CHEM **Cas No:** Q1308 **SAS No :** Q1308 **SDG No:** Q1308
Client SampleID : EX-11-TPH-5MSD **Datafile:** FG015327.D

COMPOUND	SPIKE ADDED ug/kg	SAMPLE CONCENTRATION ug/kg	MS/MSD CONCENTRATION ug/kg	% REC	Qual	QC LIMITS
DRO	7800	1870	8323	83%		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:** Q1308 **SAS No :** Q1308 **SDG No:** Q1308
Matrix Spike - EPA Sample No : PB166587BS **Datafile:** FG015325.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS
DRO	6664	0	6003	90	68-131

4B
METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166587BL

Lab Name: CHEMTECH

Contract: ENTA05

Lab Code: CHEM Case No.: Q1308

SAS No.: Q1308 SDG NO.: Q1308

Lab File ID: FG015324.D

Lab Sample ID: PB166587BL

Instrument ID: FG

Date Extracted: 02/06/2025

Matrix: (soil/water) Soil

Date Analyzed: 02/06/25

Level: (low/med) low

Time Analyzed: 16:55

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-5	Q1308-04	FG015320.D	02/06/25
EX-11-TPH-6	Q1308-05	FG015321.D	02/06/25
PB166587BS	PB166587BS	FG015325.D	02/06/25
EX-11-TPH-5MS	Q1308-04MS	FG015326.D	02/06/25
EX-11-TPH-5MSD	Q1308-04MSD	FG015327.D	02/06/25
EX-8-TPH-1	Q1308-01	FG015338.D	02/07/25
EX-6-TPH-1	Q1308-02	FG015339.D	02/07/25
EX-6-TPH-2	Q1308-03	FG015340.D	02/07/25
EX-11-TPH-7	Q1308-06	FG015348.D	02/07/25
EX-11-TPH-8	Q1308-07	FG015349.D	02/07/25
EX-11-TPH-9	Q1308-08	FG015350.D	02/07/25
EX-11-TPH-10	Q1308-09	FG015351.D	02/07/25
EX-11-TPH-11	Q1308-10	FG015352.D	02/07/25
EX-11-TPH-12	Q1308-11	FG015353.D	02/07/25
EX-11-TPH-13	Q1308-12	FG015354.D	02/07/25
EX-11-TPH-14	Q1308-13	FG015355.D	02/07/25

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	ENTACT		Date Collected:	02/05/25	
Project:	North Point - 4101 Arthur Kill Rd - E9306		Date Received:	02/05/25	
Client Sample ID:	EX-8-TPH-1		SDG No.:	Q1308	
Lab Sample ID:	Q1308-01		Matrix:	SOIL	
Analytical Method:	8015D DRO		% Solid:	88.6	Decanted:
Sample Wt/Vol:	30.05	Units: g	Final Vol:	1	mL
Soil Aliquot Vol:		uL	Test:	Diesel Range Organics	
Extraction Type:			Injection Volume :		
GPC Factor :		PH :			
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG015338.D	100	02/06/25 08:00	02/07/25 0:59	PB166587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	859000		20800	188000	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\FG020625\
Data File : FG015338.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 00:59
Operator : YP\AJ
Sample : Q1308-01 100X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-8-TPH-1

Integration File: autoint1.e
Quant Time: Feb 07 03:17:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Quant Title :
QLast Update : Fri Jan 24 12:51:39 2025
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

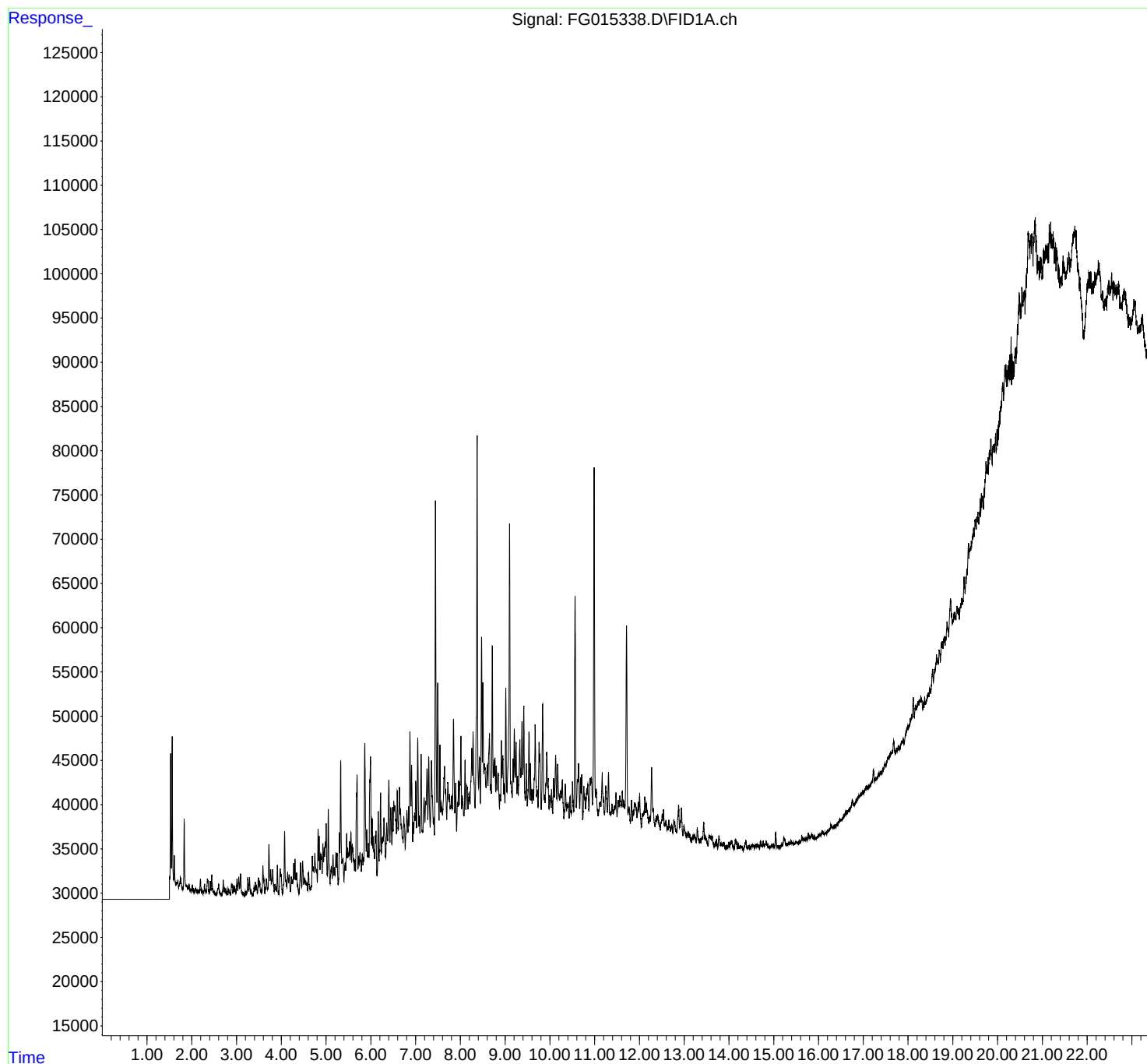
(m)=manual int.

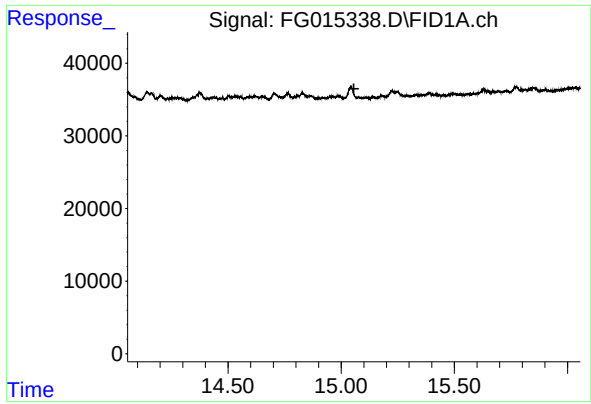
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG020625\
Data File : FG015338.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 00:59
Operator : YP\AJ
Sample : Q1308-01 100X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-8-TPH-1

Integration File: autoint1.e
Quant Time: Feb 07 03:17:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Quant Title :
QLast Update : Fri Jan 24 12:51:39 2025
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.: 15.056 min
Response: 0
Conc: N.D.

Instrument :
FID_G
ClientSampleId :
EX-8-TPH-1

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG020625\
 Data File : FG015338.D
 Signal(s) : FID1A.ch
 Acq On : 07 Feb 2025 00:59
 Sample : Q1308-01 100X
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
 Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.429	4.380	4.456	BV	3138	44550	5.53%	0.139%
2	4.477	4.456	4.502	VV	3312	50489	6.27%	0.157%
3	4.518	4.502	4.560	VV	1321	33107	4.11%	0.103%
4	4.570	4.560	4.586	VV	900	8722	1.08%	0.027%
5	4.608	4.586	4.636	PV	1987	27708	3.44%	0.086%
6	4.641	4.636	4.650	VV	214	1359	0.17%	0.004%
7	4.666	4.650	4.671	VV	478	3277	0.41%	0.010%
8	4.692	4.671	4.706	VV	3829	46188	5.74%	0.144%
9	4.717	4.706	4.734	VV	2622	38429	4.77%	0.120%
10	4.750	4.734	4.781	VV	4043	81180	10.08%	0.253%
11	4.790	4.781	4.805	VV	2323	25936	3.22%	0.081%
12	4.822	4.805	4.835	VV	6849	73773	9.16%	0.230%
13	4.846	4.835	4.866	VV	5999	77163	9.58%	0.241%
14	4.883	4.866	4.891	VV	4011	51139	6.35%	0.159%
15	4.899	4.891	4.913	VV	3705	40053	4.97%	0.125%
16	4.928	4.913	4.944	VV	5114	68612	8.52%	0.214%
17	4.958	4.944	4.969	VV	4689	59221	7.36%	0.185%
18	4.980	4.969	4.989	VV	5285	56555	7.02%	0.176%
19	5.002	4.989	5.030	VV	7407	107506	13.35%	0.335%
20	5.050	5.030	5.090	VV	8966	130889	16.26%	0.408%
21	5.119	5.090	5.137	VV	2444	48325	6.00%	0.151%
22	5.155	5.137	5.173	VV	3798	51850	6.44%	0.162%
23	5.185	5.173	5.199	VV	2297	28509	3.54%	0.089%
24	5.221	5.199	5.234	VV	3905	58446	7.26%	0.182%
25	5.247	5.234	5.272	VV	3918	50311	6.25%	0.157%
26	5.298	5.272	5.309	VV	6186	71660	8.90%	0.223%
27	5.327	5.309	5.354	VV	14266	200487	24.90%	0.625%
28	5.362	5.354	5.371	VV	3056	30977	3.85%	0.097%
29	5.380	5.371	5.399	VV	3273	38537	4.79%	0.120%
30	5.426	5.399	5.440	VV	2640	49345	6.13%	0.154%
31	5.460	5.440	5.474	VV	5979	83730	10.40%	0.261%
32	5.484	5.474	5.496	VV	4416	52502	6.52%	0.164%
33	5.503	5.496	5.510	VV	3750	29465	3.66%	0.092%
34	5.525	5.510	5.538	VV	5012	69668	8.65%	0.217%
35	5.555	5.538	5.571	VV	6134	93489	11.61%	0.292%
36	5.586	5.571	5.613	VV	4827	98513	12.24%	0.307%

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37	5.620	5.613	5.636	VV	3145	35370	4.39%	0.110%
38	5.649	5.636	5.660	VV	2878	34025	4.23%	0.106%
39	5.693	5.660	5.713	VV	12573	242498	30.12%	0.756%
40	5.728	5.713	5.743	VV	3385	48412	6.01%	0.151%
41	5.758	5.743	5.791	VV	3729	81938	10.18%	0.256%
42	5.809	5.791	5.824	VV	3525	56227	6.98%	0.175%
43	5.835	5.824	5.842	VV	3149	29911	3.71%	0.093%
44	5.865	5.842	5.897	VV	16063	280222	34.80%	0.874%
45	5.909	5.897	5.929	VV	6001	87011	10.81%	0.271%
46	5.947	5.929	5.959	VV	4699	68795	8.54%	0.215%
47	5.992	5.959	6.019	VV	14413	326125	40.50%	1.017%
48	6.030	6.019	6.043	VV	7392	84945	10.55%	0.265%
49	6.053	6.043	6.067	VV	5412	66539	8.26%	0.207%
50	6.071	6.067	6.084	VV	3983	35101	4.36%	0.109%
51	6.097	6.084	6.105	VV	5474	60635	7.53%	0.189%
52	6.115	6.105	6.139	VV	6033	75702	9.40%	0.236%
53	6.166	6.139	6.182	VV	8211	109564	13.61%	0.342%
54	6.217	6.182	6.237	VV	10264	184046	22.86%	0.574%
55	6.249	6.237	6.259	VV	5141	61098	7.59%	0.191%
56	6.267	6.259	6.275	VV	5228	47698	5.92%	0.149%
57	6.293	6.275	6.332	VV	7368	177346	22.03%	0.553%
58	6.355	6.332	6.372	VV	6825	127905	15.89%	0.399%
59	6.402	6.372	6.427	VV	11654	243700	30.27%	0.760%
60	6.443	6.427	6.469	VV	8469	165490	20.55%	0.516%
61	6.485	6.469	6.497	VV	8542	114238	14.19%	0.356%
62	6.512	6.497	6.523	VV	9142	121314	15.07%	0.378%
63	6.528	6.523	6.534	VV	8433	57824	7.18%	0.180%
64	6.538	6.534	6.571	VV	8458	159219	19.77%	0.497%
65	6.589	6.571	6.614	VV	10360	195950	24.34%	0.611%
66	6.636	6.614	6.654	VV	10661	203887	25.32%	0.636%
67	6.660	6.654	6.680	VV	8280	115552	14.35%	0.360%
68	6.685	6.680	6.704	VV	6206	81658	10.14%	0.255%
69	6.710	6.704	6.719	VV	5065	46177	5.74%	0.144%
70	6.736	6.719	6.768	VV	7354	171412	21.29%	0.535%
71	6.805	6.768	6.830	VV	7999	225631	28.02%	0.704%
72	6.845	6.830	6.855	VV	8424	106198	13.19%	0.331%
73	6.872	6.855	6.895	VV	16853	279039	34.66%	0.870%
74	6.909	6.895	6.934	VV	13103	222793	27.67%	0.695%
75	6.946	6.934	6.957	VV	6612	77277	9.60%	0.241%
76	6.976	6.957	6.988	VV	7626	127874	15.88%	0.399%
77	7.002	6.988	7.021	VV	11146	169924	21.10%	0.530%
78	7.047	7.021	7.073	VV	16067	318127	39.51%	0.992%
79	7.083	7.073	7.096	VV	7253	87701	10.89%	0.273%
80	7.123	7.096	7.147	VV	14271	282236	35.05%	0.880%
81	7.153	7.147	7.157	VV	5602	34269	4.26%	0.107%
82	7.189	7.157	7.207	VV	9200	220087	27.33%	0.686%
83	7.223	7.207	7.230	VV	8823	110350	13.71%	0.344%
84	7.254	7.230	7.273	VV	12480	256369	31.84%	0.799%
85	7.293	7.273	7.327	VV	13801	306412	38.06%	0.956%
86	7.354	7.327	7.397	VV	13302	393457	48.87%	1.227%
87	7.404	7.397	7.419	VV	6858	79108	9.83%	0.247%
88	7.443	7.419	7.476	VV	42666	667402	82.89%	2.081%
89	7.493	7.476	7.523	VV	22145	387439	48.12%	1.208%

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90	7.543	7.523	7.561	VV	15096	239887	29.79%	0.748%
91	7.571	7.561	7.584	VV	8610	114329	14.20%	0.357%
92	7.589	7.584	7.602	VV	7848	82400	10.23%	0.257%
93	7.719	7.689	7.741	M	10768	280015	34.78%	0.873%
94	7.756	7.746	7.770		9433	129198	16.05%	0.403%
95	7.803	7.789	7.821		9175	162844	20.22%	0.508%
96	7.895	7.876	7.915	VV	10574	195898	24.33%	0.611%
97	7.960	7.944	7.974	VV	10814	164820	20.47%	0.514%
98	8.012	7.996	8.030	VV	15909	250808	31.15%	0.782%
99	8.104	8.076	8.126	VV	13140	275991	34.28%	0.861%
100	8.195	8.170	8.212	VV	9515	220213	27.35%	0.687%
101	8.284	8.271	8.329	VV	16204	396507	49.25%	1.236%
102	8.426	8.406	8.446	VV	13264	262369	32.59%	0.818%
103	8.503	8.490	8.525	VV	21723	336855	41.84%	1.050%
104	8.601	8.577	8.617	VV	12300	264912	32.90%	0.826%
105	8.678	8.669	8.691	VV	9984	126063	15.66%	0.393%
106	8.752	8.734	8.764	VV	12910	214163	26.60%	0.668%
107	8.804	8.789	8.822	VV	12086	213042	26.46%	0.664%
108	8.887	8.874	8.898	VV	8823	119068	14.79%	0.371%
109	8.948	8.930	8.968	VV	13253	264238	32.82%	0.824%
110	9.015	8.994	9.039	VV	20741	360634	44.79%	1.125%
111	9.129	9.124	9.158	VV	10253	190960	23.72%	0.595%
112	9.205	9.189	9.226	VV	16080	282889	35.13%	0.882%
113	9.276	9.263	9.292	VV	10782	174343	21.65%	0.544%
114	9.353	9.344	9.359	VV	11438	101515	12.61%	0.317%
115	9.417	9.395	9.451	VV	18658	411436	51.10%	1.283%
116	9.534	9.497	9.552	VV	15542	357283	44.37%	1.114%
117	9.591	9.581	9.602	VV	9096	109143	13.56%	0.340%
118	9.671	9.635	9.707	VV	16351	476099	59.13%	1.485%
119	9.759	9.734	9.771	VV	14136	245102	30.44%	0.764%
120	9.838	9.806	9.872	VV	18621	465146	57.77%	1.450%
121	9.879	9.872	9.890	VV	8278	84913	10.55%	0.265%
122	9.960	9.950	9.978	VV	10176	147679	18.34%	0.461%
123	10.036	10.022	10.062	VV	8940	181522	22.54%	0.566%
124	10.128	10.102	10.156	VV	12712	323155	40.14%	1.008%
125	10.173	10.156	10.198	VV	11674	246880	30.66%	0.770%
126	10.203	10.198	10.219	VV	8363	103380	12.84%	0.322%
127	10.240	10.219	10.245	VV	8649	128187	15.92%	0.400%
128	10.247	10.245	10.252	VV	8541	39338	4.89%	0.123%
129	10.254	10.252	10.259	VV	8476	33004	4.10%	0.103%
130	10.277	10.259	10.312	VV	9913	250597	31.12%	0.781%
131	10.343	10.312	10.376	VV	9392	279157	34.67%	0.871%
132	10.383	10.376	10.394	VV	7039	75853	9.42%	0.237%
133	10.404	10.394	10.429	VV	7215	135814	16.87%	0.424%
134	10.449	10.429	10.474	VV	7844	183271	22.76%	0.572%
135	10.504	10.474	10.534	VV	9575	260858	32.40%	0.813%
136	10.561	10.534	10.587	VV	30357	538562	66.89%	1.679%
137	10.639	10.587	10.667	VV	11604	428073	53.17%	1.335%
138	10.684	10.667	10.696	VV	9951	147748	18.35%	0.461%
139	10.709	10.696	10.734	VV	10249	183727	22.82%	0.573%
140	10.758	10.734	10.794	VV	8971	264853	32.89%	0.826%
141	10.823	10.794	10.829	VV	8680	159636	19.83%	0.498%

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142	10.846	10.829	10.872	VV	9188	204125	25.35%	0.637%
143	10.894	10.872	10.905	VV	9718	165335	20.53%	0.516%
144	10.916	10.905	10.949	VV	9758	237674	29.52%	0.741%
145	10.987	10.949	11.016	VV	44577	805166	100.00%	2.511%
146	11.031	11.016	11.075	VV	8558	256364	31.84%	0.799%
147	11.120	11.075	11.140	VV	6981	249486	30.99%	0.778%
148	11.167	11.140	11.186	VV	10276	229586	28.51%	0.716%
149	11.190	11.186	11.219	VV	7551	131180	16.29%	0.409%
150	11.247	11.219	11.280	VV	8764	261156	32.44%	0.814%
151	11.308	11.280	11.361	VV	10281	337545	41.92%	1.053%
152	11.386	11.361	11.414	VV	6655	192485	23.91%	0.600%
153	11.476	11.414	11.499	VV	7887	324924	40.35%	1.013%
154	11.517	11.499	11.523	VV	6929	86887	10.79%	0.271%
155	11.528	11.523	11.543	VV	6992	81049	10.07%	0.253%
156	11.562	11.543	11.594	VV	7541	208060	25.84%	0.649%
157	11.617	11.594	11.633	VV	7919	167151	20.76%	0.521%
158	11.642	11.633	11.677	VV	7053	171544	21.31%	0.535%
159	11.711	11.677	11.744	VV	26680	540427	67.12%	1.685%
160	11.767	11.744	11.797	VV	6192	175416	21.79%	0.547%
161	11.822	11.797	11.842	VV	6870	154495	19.19%	0.482%
162	11.862	11.842	11.871	VV	5715	88936	11.05%	0.277%
163	11.892	11.871	11.948	VV	6645	276789	34.38%	0.863%
164	11.973	11.948	11.987	VV	6607	137134	17.03%	0.428%
165	12.005	11.987	12.046	VV	7626	195585	24.29%	0.610%
166	12.068	12.046	12.085	VV	5309	113149	14.05%	0.353%
167	12.094	12.085	12.107	VV	5411	70872	8.80%	0.221%
168	12.120	12.107	12.139	VV	7180	117489	14.59%	0.366%
169	12.154	12.139	12.211	VV	6390	228534	28.38%	0.713%
170	12.231	12.211	12.244	VV	4875	92597	11.50%	0.289%
171	12.272	12.244	12.307	VV	10405	263804	32.76%	0.823%
172	12.312	12.307	12.347	VV	5779	110693	13.75%	0.345%
173	12.377	12.347	12.389	VV	4874	108518	13.48%	0.338%
174	12.409	12.389	12.466	VV	4866	194822	24.20%	0.608%
175	12.481	12.466	12.489	VV	4182	54451	6.76%	0.170%
176	12.513	12.489	12.527	VV	4974	105426	13.09%	0.329%
177	12.540	12.527	12.561	VV	5506	92911	11.54%	0.290%
178	12.564	12.561	12.568	VV	3850	15960	1.98%	0.050%
179	12.571	12.568	12.575	VV	3924	17774	2.21%	0.055%
180	12.593	12.575	12.613	VV	4303	87285	10.84%	0.272%
181	12.627	12.613	12.638	VV	3575	50939	6.33%	0.159%
182	12.656	12.638	12.693	VV	4187	119821	14.88%	0.374%
183	12.713	12.693	12.717	VV	3600	47716	5.93%	0.149%
184	12.722	12.717	12.744	VV	3738	54230	6.74%	0.169%
185	12.768	12.744	12.781	VV	4238	79947	9.93%	0.249%
186	12.787	12.781	12.829	VV	4074	96624	12.00%	0.301%
187	12.876	12.829	12.900	VV	5886	180215	22.38%	0.562%
188	12.939	12.900	12.974	VV	5552	172881	21.47%	0.539%
189	12.995	12.974	13.030	VV	3521	97756	12.14%	0.305%
190	13.033	13.030	13.049	VV	2489	28144	3.50%	0.088%
191	13.053	13.049	13.064	VV	2470	21052	2.61%	0.066%
192	13.089	13.064	13.107	VV	2806	62912	7.81%	0.196%
193	13.120	13.107	13.146	VV	2569	49902	6.20%	0.156%
194	13.154	13.146	13.159	VV	2011	14942	1.86%	0.047%

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195	13.163	13.159	13.169	VV	1869	9763	1.21%	0.030%
196	13.190	13.169	13.197	VV	2270	34441	4.28%	0.107%
197	13.221	13.197	13.227	VV	2307	38049	4.73%	0.119%
198	13.231	13.227	13.251	VV	2207	28988	3.60%	0.090%
199	13.255	13.251	13.270	VV	2032	21109	2.62%	0.066%
200	13.294	13.270	13.323	VV	3131	70554	8.76%	0.220%
201	13.327	13.323	13.344	VV	1901	19981	2.48%	0.062%
202	13.355	13.344	13.361	VV	1815	17077	2.12%	0.053%
203	13.363	13.361	13.374	VV	1832	12988	1.61%	0.041%
204	13.400	13.374	13.413	VV	2030	41541	5.16%	0.130%
205	13.436	13.413	13.466	VV	3639	83283	10.34%	0.260%
206	13.471	13.466	13.491	VV	1936	27568	3.42%	0.086%
207	13.495	13.491	13.534	VV	1834	35785	4.44%	0.112%
208	13.558	13.534	13.581	VV	2147	50648	6.29%	0.158%
209	13.584	13.581	13.588	VV	2024	8784	1.09%	0.027%
210	13.596	13.588	13.612	VV	2010	26053	3.24%	0.081%
211	13.628	13.612	13.672	VV	2025	51354	6.38%	0.160%
212	13.693	13.672	13.704	VV	1353	20453	2.54%	0.064%
213	13.720	13.704	13.742	VV	1630	27040	3.36%	0.084%
214	13.779	13.742	13.812	VV	1966	53454	6.64%	0.167%
215	13.821	13.812	13.859	VV	1083	26682	3.31%	0.083%
216	13.885	13.859	13.907	VV	1204	28308	3.52%	0.088%
217	13.927	13.907	13.942	VV	728	13281	1.65%	0.041%
218	13.962	13.942	13.967	VV	773	9316	1.16%	0.029%
219	13.997	13.967	14.016	VV	1195	25628	3.18%	0.080%
220	14.055	14.016	14.116	VV	1317	52152	6.48%	0.163%
221	14.143	14.116	14.155	VV	1483	22736	2.82%	0.071%
222	14.162	14.155	14.179	VV	1241	13715	1.70%	0.043%
223	14.204	14.179	14.222	VV	882	15871	1.97%	0.049%
224	14.233	14.222	14.246	VV	469	6034	0.75%	0.019%
225	14.253	14.246	14.259	VV	609	4192	0.52%	0.013%
226	14.266	14.259	14.287	VV	659	8713	1.08%	0.027%
227	14.293	14.287	14.314	VV	532	5310	0.66%	0.017%
228	14.319	14.314	14.324	VV	371	1399	0.17%	0.004%
229	14.344	14.324	14.355	VV	591	8157	1.01%	0.025%
230	14.375	14.355	14.404	VV	1170	22823	2.83%	0.071%
231	14.412	14.404	14.423	VV	437	4369	0.54%	0.014%
232	14.439	14.423	14.469	VV	573	11815	1.47%	0.037%
233	14.474	14.469	14.482	VV	417	2827	0.35%	0.009%
234	14.502	14.482	14.522	VV	654	11684	1.45%	0.036%
235	14.532	14.522	14.569	VV	670	14099	1.75%	0.044%
236	14.602	14.569	14.605	VV	544	9380	1.16%	0.029%
237	14.621	14.605	14.641	VV	656	11047	1.37%	0.034%
238	14.652	14.641	14.681	VV	611	9791	1.22%	0.031%
239	14.704	14.681	14.741	PV	1038	19986	2.48%	0.062%
240	14.765	14.741	14.787	VV	996	16458	2.04%	0.051%
241	14.828	14.787	14.857	VV	929	24174	3.00%	0.075%
242	14.862	14.857	14.896	VV	546	7540	0.94%	0.024%
243	14.902	14.896	14.907	VV	188	1139	0.14%	0.004%
244	14.916	14.907	14.924	VV	263	1911	0.24%	0.006%
245	14.931	14.924	14.944	VV	249	2491	0.31%	0.008%
246	14.952	14.944	14.976	VV	400	6198	0.77%	0.019%

					rteres			
247	14.991	14.976	15.016	VV	454	6901	0.86%	0.022%
248	15.043	15.016	15.070	VV	1786	25811	3.21%	0.080%
249	15.078	15.070	15.084	VV	264	1507	0.19%	0.005%
250	15.089	15.084	15.103	VV	215	1446	0.18%	0.005%
251	15.110	15.103	15.115	VV	149	921	0.11%	0.003%
252	15.119	15.115	15.126	VV	173	595	0.07%	0.002%
253	15.137	15.126	15.156	PV	255	2347	0.29%	0.007%
254	15.180	15.156	15.194	VV	355	5174	0.64%	0.016%
255	15.224	15.194	15.237	VV	1027	15125	1.88%	0.047%
256	15.249	15.237	15.282	VV	774	13099	1.63%	0.041%
257	15.293	15.282	15.311	VV	292	3180	0.40%	0.010%
258	15.332	15.311	15.336	VV	311	3302	0.41%	0.010%
259	15.339	15.336	15.342	VV	279	905	0.11%	0.003%
260	15.362	15.342	15.369	VV	267	3329	0.41%	0.010%
261	15.391	15.369	15.406	VV	439	7479	0.93%	0.023%
262	15.411	15.406	15.416	VV	245	1353	0.17%	0.004%
263	15.423	15.416	15.431	VV	205	1528	0.19%	0.005%
264	15.434	15.431	15.447	VV	186	964	0.12%	0.003%
265	15.486	15.447	15.491	VV	297	3306	0.41%	0.010%
266	15.499	15.491	15.524	VV	341	3863	0.48%	0.012%
267	15.534	15.524	15.542	VV	185	1138	0.14%	0.004%
268	15.558	15.542	15.569	PV	234	1753	0.22%	0.005%
269	15.573	15.569	15.579	VV	153	495	0.06%	0.002%
270	15.583	15.579	15.594	VV	241	1259	0.16%	0.004%
271	15.623	15.594	15.662	VV	724	15164	1.88%	0.047%
272	15.670	15.662	15.680	VV	430	3708	0.46%	0.012%
273	15.700	15.680	15.710	VV	344	5398	0.67%	0.017%
274	15.727	15.710	15.743	VV	365	5459	0.68%	0.017%
275	15.773	15.743	15.789	VV	823	14885	1.85%	0.046%
276	15.814	15.789	15.819	VV	500	7507	0.93%	0.023%
277	15.850	15.819	15.882	VV	639	15960	1.98%	0.050%
278	15.903	15.882	15.923	VV	379	5621	0.70%	0.018%
279	15.928	15.923	15.938	VV	191	754	0.09%	0.002%
280	15.944	15.938	15.949	PV	206	793	0.10%	0.002%
281	15.960	15.949	15.974	VV	223	2138	0.27%	0.007%
282	15.994	15.974	16.001	VV	253	3361	0.42%	0.010%
283	16.021	16.001	16.032	VV	356	5652	0.70%	0.018%
284	16.036	16.032	16.046	VV	366	2208	0.27%	0.007%
285	16.057	16.046	16.062	VV	236	1878	0.23%	0.006%
286	16.091	16.062	16.136	VV	530	12144	1.51%	0.038%
287	16.163	16.136	16.177	VV	172	2695	0.33%	0.008%
288	16.188	16.177	16.194	PV	154	1000	0.12%	0.003%
289	16.198	16.194	16.202	VV	136	515	0.06%	0.002%
290	16.277	16.202	16.323	VV	709	20802	2.58%	0.065%
291	16.334	16.323	16.347	VV	189	1753	0.22%	0.005%
292	16.358	16.347	16.374	PV	147	1115	0.14%	0.003%
293	16.402	16.374	16.408	PV	193	1319	0.16%	0.004%
294	16.462	16.408	16.481	PV	351	6262	0.78%	0.020%
295	16.490	16.481	16.511	VV	238	2585	0.32%	0.008%
296	16.571	16.511	16.584	VV	297	6426	0.80%	0.020%
297	16.611	16.584	16.621	VV	316	5986	0.74%	0.019%
298	16.648	16.621	16.653	VV	348	4473	0.56%	0.014%
299	16.669	16.653	16.680	VV	297	3781	0.47%	0.012%

					rteres			
300	16.755	16.680	16.781	PV	973	24928	3.10%	0.078%
301	16.809	16.781	16.814	VV	245	4329	0.54%	0.013%
302	16.881	16.814	16.894	VV	630	15637	1.94%	0.049%
303	16.911	16.894	16.926	VV	461	8033	1.00%	0.025%
304	16.942	16.926	16.949	VV	488	5840	0.73%	0.018%
305	16.987	16.949	17.003	VV	490	11818	1.47%	0.037%
306	17.018	17.003	17.022	VV	348	3336	0.41%	0.010%
307	17.041	17.022	17.046	VV	520	5641	0.70%	0.018%
308	17.063	17.046	17.080	VV	639	9579	1.19%	0.030%
309	17.120	17.080	17.127	VV	393	8128	1.01%	0.025%
310	17.129	17.127	17.133	VV	379	893	0.11%	0.003%
311	17.135	17.133	17.141	VV	292	838	0.10%	0.003%
312	17.185	17.141	17.188	VV	385	7239	0.90%	0.023%
313	17.196	17.188	17.202	VV	450	2917	0.36%	0.009%
314	17.225	17.202	17.263	VV	1507	26942	3.35%	0.084%
315	17.277	17.263	17.297	VV	362	4632	0.58%	0.014%
316	17.318	17.297	17.322	PV	187	2135	0.27%	0.007%
317	17.344	17.322	17.352	VV	375	3898	0.48%	0.012%
318	17.374	17.352	17.378	VV	165	1908	0.24%	0.006%
319	17.386	17.378	17.401	VBA	245	8082	1.00%	0.025%
				Sum of corrected areas:		32068151		

FG011325.M Fri Feb 07 04:25:11 2025

Report of Analysis

Client:	ENTACT		Date Collected:	02/05/25	
Project:	North Point - 4101 Arthur Kill Rd - E9306		Date Received:	02/05/25	
Client Sample ID:	EX-6-TPH-1		SDG No.:	Q1308	
Lab Sample ID:	Q1308-02		Matrix:	SOIL	
Analytical Method:	8015D DRO		% Solid:	83.3	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
FG015339.D	50	02/06/25 08:00	02/07/25 1:28	PB166587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	603000		11100	99800	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\FG020625\
Data File : FG015339.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 01:28
Operator : YP\AJ
Sample : Q1308-02 50X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-6-TPH-1

Integration File: autoint1.e
Quant Time: Feb 07 03:18:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Quant Title :
QLast Update : Fri Jan 24 12:51:39 2025
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

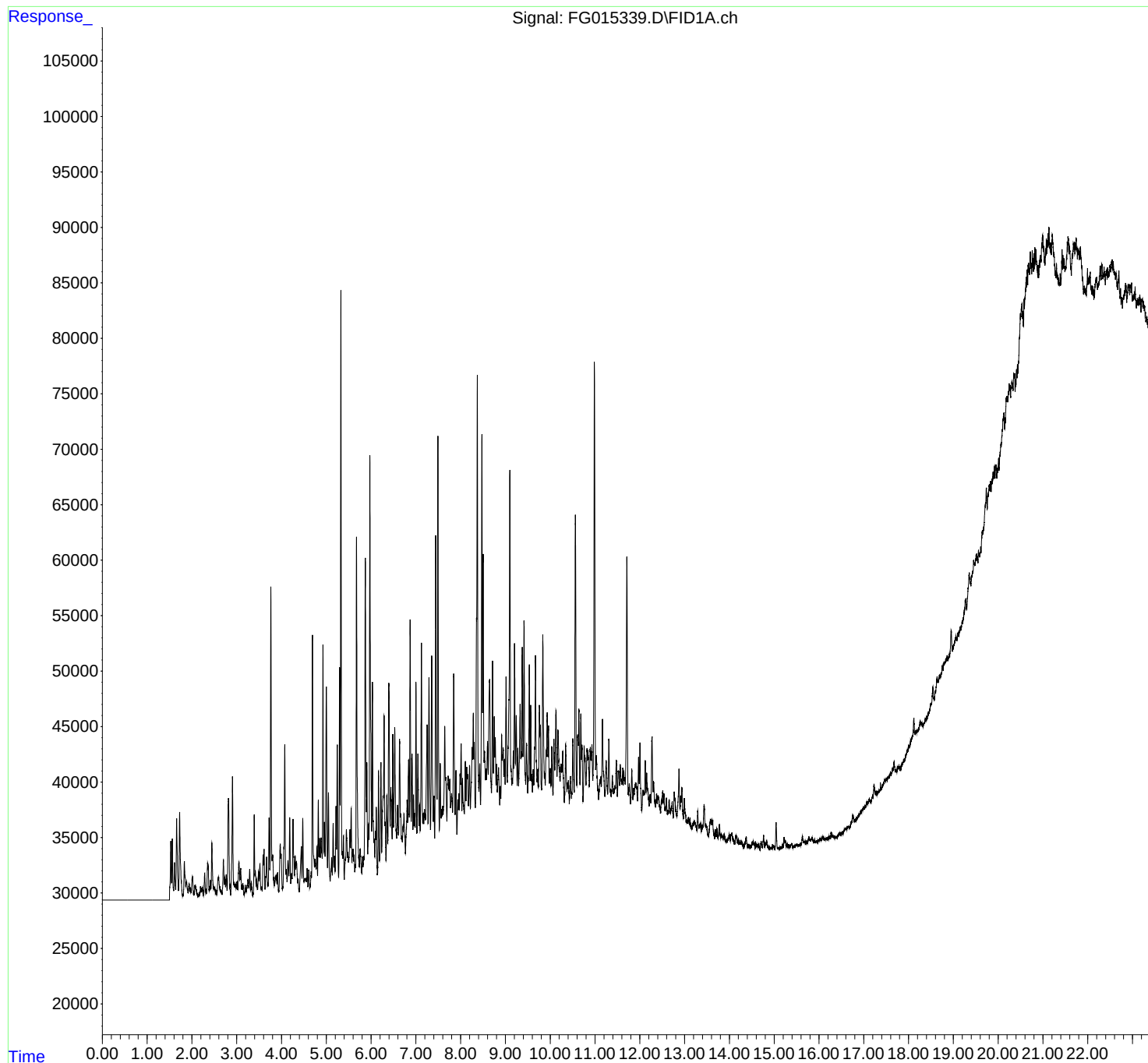
(m)=manual int.

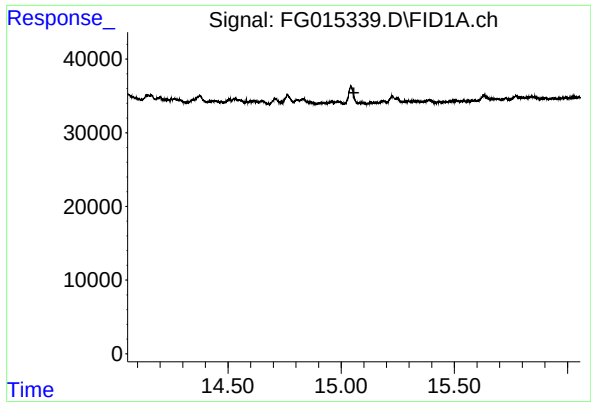
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG020625\
Data File : FG015339.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 01:28
Operator : YP\AJ
Sample : Q1308-02 50X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-6-TPH-1

Integration File: autoint1.e
Quant Time: Feb 07 03:18:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Quant Title :
QLast Update : Fri Jan 24 12:51:39 2025
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.: 15.056 min
Response: 0
Conc: N.D.

Instrument :
FID_G
ClientSampleId :
EX-6-TPH-1

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG020625\
Data File : FG015339.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 01:28
Sample : Q1308-02 50X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.370	4.350	4.397	BV	319	69	0.01%	0.000%
2	4.443	4.397	4.458	PV	4055	75156	8.39%	0.178%
3	4.475	4.458	4.502	VV	6528	83627	9.34%	0.198%
4	4.518	4.502	4.536	VV	1129	20956	2.34%	0.049%
5	4.545	4.536	4.557	VV	1076	12216	1.36%	0.029%
6	4.573	4.557	4.590	VV	1998	24097	2.69%	0.057%
7	4.609	4.590	4.633	VV	1846	26365	2.94%	0.062%
8	4.662	4.633	4.671	VV	1691	21340	2.38%	0.050%
9	4.691	4.671	4.737	VV	22955	290631	32.46%	0.686%
10	4.749	4.737	4.773	VV	2764	51205	5.72%	0.121%
11	4.791	4.773	4.806	VV	3918	52333	5.84%	0.124%
12	4.822	4.806	4.836	VV	8106	88674	9.90%	0.209%
13	4.848	4.836	4.866	VV	4627	67263	7.51%	0.159%
14	4.883	4.866	4.909	VV	4690	94736	10.58%	0.224%
15	4.927	4.909	4.946	VV	22052	241080	26.92%	0.569%
16	4.958	4.946	4.973	VV	6043	74883	8.36%	0.177%
17	5.002	4.973	5.028	VV	18243	292241	32.64%	0.690%
18	5.049	5.028	5.088	VV	8682	129919	14.51%	0.307%
19	5.120	5.088	5.135	VV	2820	50821	5.68%	0.120%
20	5.153	5.135	5.172	VV	5863	75609	8.44%	0.179%
21	5.183	5.172	5.199	VV	2890	37275	4.16%	0.088%
22	5.218	5.199	5.230	VV	7365	87460	9.77%	0.207%
23	5.246	5.230	5.276	VV	12867	171545	19.16%	0.405%
24	5.298	5.276	5.310	VV	19832	205873	22.99%	0.486%
25	5.327	5.310	5.353	VV	53788	580714	64.85%	1.372%
26	5.360	5.353	5.370	VV	3290	31991	3.57%	0.076%
27	5.384	5.370	5.402	VV	4658	57312	6.40%	0.135%
28	5.426	5.402	5.433	VV	2528	37061	4.14%	0.088%
29	5.449	5.433	5.473	VV	5205	93597	10.45%	0.221%
30	5.483	5.473	5.495	VV	3157	36394	4.06%	0.086%
31	5.529	5.495	5.541	VV	5174	98720	11.02%	0.233%
32	5.557	5.541	5.573	VV	7075	94701	10.58%	0.224%
33	5.598	5.573	5.613	VV	3355	68173	7.61%	0.161%
34	5.621	5.613	5.637	VV	2796	31606	3.53%	0.075%
35	5.649	5.637	5.655	VV	1972	18420	2.06%	0.044%
36	5.675	5.655	5.739	VV	31557	469195	52.40%	1.108%

					rteres			
37	5.756	5.739	5.789	VV	3250	71414	7.98%	0.169%
38	5.810	5.789	5.823	VV	2564	40380	4.51%	0.095%
39	5.835	5.823	5.844	VV	2582	29137	3.25%	0.069%
40	5.872	5.844	5.895	VV	29529	422196	47.15%	0.997%
41	5.906	5.895	5.925	VV	11081	132387	14.78%	0.313%
42	5.945	5.925	5.955	VV	5546	76511	8.54%	0.181%
43	5.973	5.955	6.014	VV	38616	603259	67.37%	1.425%
44	6.030	6.014	6.064	VV	18300	262165	29.28%	0.619%
45	6.070	6.064	6.084	VV	4155	43025	4.80%	0.102%
46	6.096	6.084	6.104	VV	4811	48681	5.44%	0.115%
47	6.117	6.104	6.142	VV	6968	92218	10.30%	0.218%
48	6.167	6.142	6.187	VV	10246	129118	14.42%	0.305%
49	6.220	6.187	6.238	VV	11019	173683	19.40%	0.410%
50	6.291	6.238	6.310	VV	15168	353082	39.43%	0.834%
51	6.315	6.310	6.332	VV	5590	54011	6.03%	0.128%
52	6.351	6.332	6.371	VV	7860	121367	13.55%	0.287%
53	6.397	6.371	6.428	VV	18089	346409	38.69%	0.818%
54	6.442	6.428	6.470	VV	8641	171563	19.16%	0.405%
55	6.484	6.470	6.500	VV	13445	153175	17.11%	0.362%
56	6.528	6.500	6.572	VV	13974	328574	36.69%	0.776%
57	6.590	6.572	6.612	VV	6992	131366	14.67%	0.310%
58	6.635	6.612	6.656	VV	12912	222953	24.90%	0.527%
59	6.661	6.656	6.682	VV	6183	78809	8.80%	0.186%
60	6.687	6.682	6.697	VV	4195	37091	4.14%	0.088%
61	6.711	6.697	6.719	VV	5016	58560	6.54%	0.138%
62	6.734	6.719	6.769	VV	6126	137173	15.32%	0.324%
63	6.804	6.769	6.815	VV	7175	142203	15.88%	0.336%
64	6.838	6.815	6.854	VV	10984	194698	21.74%	0.460%
65	6.872	6.854	6.895	VV	23582	321197	35.87%	0.759%
66	6.915	6.895	6.934	VV	11496	199300	22.26%	0.471%
67	6.947	6.934	6.960	VV	7796	95908	10.71%	0.227%
68	6.971	6.960	6.983	VV	6113	78572	8.77%	0.186%
69	7.002	6.983	7.023	VV	17944	238281	26.61%	0.563%
70	7.045	7.023	7.071	VV	11485	219864	24.55%	0.519%
71	7.083	7.071	7.095	VV	6796	84443	9.43%	0.199%
72	7.124	7.095	7.153	VV	21358	362820	40.52%	0.857%
73	7.164	7.153	7.176	VV	6086	78035	8.71%	0.184%
74	7.193	7.176	7.215	VV	6398	133782	14.94%	0.316%
75	7.251	7.215	7.273	VV	14020	325479	36.35%	0.769%
76	7.292	7.273	7.327	VV	18192	332028	37.08%	0.784%
77	7.354	7.327	7.390	VV	20202	409011	45.68%	0.966%
78	7.403	7.390	7.420	VV	7477	106242	11.86%	0.251%
79	7.443	7.420	7.472	VV	30771	475074	53.05%	1.122%
80	7.492	7.472	7.524	VV	39959	546091	60.98%	1.290%
81	7.544	7.524	7.560	VV	10409	158500	17.70%	0.374%
82	7.571	7.560	7.580	VV	6290	71659	8.00%	0.169%
83	7.592	7.580	7.606	VV	6464	94188	10.52%	0.222%
84	7.645	7.606	7.661	VV	13741	297916	33.27%	0.704%
85	7.667	7.661	7.692	VV	9136	144831	16.17%	0.342%
86	7.721	7.692	7.745	VV	9215	253807	28.34%	0.599%
87	7.757	7.745	7.774	VV	8942	137720	15.38%	0.325%
88	7.797	7.774	7.820	VV	7623	190848	21.31%	0.451%
89	7.845	7.820	7.878	VV	18275	372040	41.55%	0.879%

					rteres			
90	7.896	7.878	7.917	VV	9656	168067	18.77%	0.397%
91	7.937	7.917	7.948	VV	7018	111762	12.48%	0.264%
92	7.961	7.948	7.972	VV	7585	95524	10.67%	0.226%
93	7.987	7.972	7.996	VV	9270	116827	13.05%	0.276%
94	8.011	7.996	8.027	VV	12044	183612	20.50%	0.434%
95	8.042	8.027	8.083	VV	8908	230846	25.78%	0.545%
96	8.104	8.083	8.121	VV	10344	183441	20.49%	0.433%
97	8.137	8.121	8.148	VV	9894	145114	16.21%	0.343%
98	8.154	8.148	8.174	VV	9084	123361	13.78%	0.291%
99	8.199	8.174	8.218	VV	9982	212218	23.70%	0.501%
100	8.257	8.218	8.267	VV	11633	266488	29.76%	0.629%
101	8.282	8.267	8.295	VV	14715	213736	23.87%	0.505%
102	8.304	8.295	8.330	VV	12038	186620	20.84%	0.441%
103	8.372	8.330	8.407	VV	45065	895457	100.00%	2.115%
104	8.425	8.407	8.446	VV	10083	195490	21.83%	0.462%
105	8.475	8.446	8.490	VV	39688	559839	62.52%	1.322%
106	8.503	8.490	8.523	VV	28667	384782	42.97%	0.909%
107	8.534	8.523	8.556	VV	11087	194383	21.71%	0.459%
108	8.567	8.556	8.577	VV	9577	114196	12.75%	0.270%
109	8.600	8.577	8.615	VV	12038	239835	26.78%	0.566%
110	8.713	8.690	8.732	VV	19231	326297	36.44%	0.771%
111	8.751	8.732	8.763	VV	14240	224170	25.03%	0.529%
112	8.774	8.763	8.791	VV	12297	174172	19.45%	0.411%
113	8.803	8.791	8.818	VV	9898	146836	16.40%	0.347%
114	8.886	8.873	8.897	VV	7906	104024	11.62%	0.246%
115	8.950	8.931	8.966	VV	11279	221958	24.79%	0.524%
116	9.015	8.994	9.042	VV	17741	340384	38.01%	0.804%
117	9.126	9.122	9.143	VV	9386	109719	12.25%	0.259%
118	9.152	9.143	9.160	VV	8524	84962	9.49%	0.201%
119	9.177	9.160	9.187	VV	10874	151662	16.94%	0.358%
120	9.242	9.224	9.262	VV	14066	261893	29.25%	0.619%
121	9.278	9.262	9.293	VV	11030	178277	19.91%	0.421%
122	9.352	9.344	9.358	VV	10827	86837	9.70%	0.205%
123	9.375	9.358	9.393	VV	20236	306678	34.25%	0.724%
124	9.416	9.393	9.453	VV	22594	473605	52.89%	1.119%
125	9.472	9.453	9.498	VV	11508	247188	27.60%	0.584%
126	9.534	9.498	9.551	VV	18565	370440	41.37%	0.875%
127	9.565	9.551	9.582	VV	14967	215927	24.11%	0.510%
128	9.590	9.582	9.602	VV	8726	95124	10.62%	0.225%
129	9.619	9.602	9.633	VV	9146	151608	16.93%	0.358%
130	9.650	9.633	9.654	VV	11189	121844	13.61%	0.288%
131	9.671	9.654	9.706	VV	19391	395014	44.11%	0.933%
132	9.717	9.706	9.733	VV	9094	135841	15.17%	0.321%
133	9.758	9.733	9.769	VV	14726	244954	27.36%	0.579%
134	9.778	9.769	9.805	VV	13083	220851	24.66%	0.522%
135	9.835	9.805	9.868	VV	21214	484910	54.15%	1.145%
136	9.876	9.868	9.889	VV	8690	105759	11.81%	0.250%
137	9.908	9.889	9.914	VV	10678	142865	15.95%	0.337%
138	9.932	9.914	9.950	VV	13988	259254	28.95%	0.612%
139	9.962	9.950	9.981	VV	12668	195860	21.87%	0.463%
140	9.998	9.981	10.019	VV	9060	190199	21.24%	0.449%
141	10.035	10.019	10.060	VV	10977	215497	24.07%	0.509%

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142	10.082	10.060	10.104	VV	11675	252311	28.18%	0.596%
143	10.128	10.104	10.152	VV	14290	327870	36.61%	0.774%
144	10.173	10.152	10.222	VV	12306	418012	46.68%	0.987%
145	10.241	10.222	10.261	VV	9387	209132	23.35%	0.494%
146	10.278	10.261	10.315	VV	10512	271479	30.32%	0.641%
147	10.345	10.315	10.374	VV	11150	297269	33.20%	0.702%
148	10.381	10.374	10.394	VV	7649	87889	9.82%	0.208%
149	10.405	10.394	10.426	VV	7818	133553	14.91%	0.315%
150	10.449	10.426	10.477	VV	8223	215906	24.11%	0.510%
151	10.504	10.477	10.535	VV	11591	292446	32.66%	0.691%
152	10.561	10.535	10.594	VV	31593	582816	65.09%	1.377%
153	10.612	10.594	10.626	VV	11851	195202	21.80%	0.461%
154	10.640	10.626	10.663	VV	14142	251005	28.03%	0.593%
155	10.683	10.663	10.698	VV	13663	225649	25.20%	0.533%
156	10.709	10.698	10.735	VV	10989	190622	21.29%	0.450%
157	10.757	10.735	10.775	VV	10816	215050	24.02%	0.508%
158	10.778	10.775	10.798	VV	9738	119127	13.30%	0.281%
159	10.821	10.798	10.834	VV	10520	201031	22.45%	0.475%
160	10.843	10.834	10.872	VV	10416	210696	23.53%	0.498%
161	10.895	10.872	10.917	VV	10601	250520	27.98%	0.592%
162	10.931	10.917	10.950	VV	10900	189933	21.21%	0.449%
163	10.986	10.950	11.014	VV	45327	820174	91.59%	1.937%
164	11.032	11.014	11.080	VV	9793	316290	35.32%	0.747%
165	11.127	11.080	11.138	VV	7938	252508	28.20%	0.596%
166	11.166	11.138	11.220	VV	13106	430980	48.13%	1.018%
167	11.249	11.220	11.281	VV	9366	282491	31.55%	0.667%
168	11.309	11.281	11.334	VV	11186	266572	29.77%	0.630%
169	11.340	11.334	11.360	VV	6797	100287	11.20%	0.237%
170	11.388	11.360	11.416	VV	7979	231868	25.89%	0.548%
171	11.427	11.416	11.433	VV	6751	65983	7.37%	0.156%
172	11.443	11.433	11.455	VV	7007	92289	10.31%	0.218%
173	11.476	11.455	11.499	VV	9190	206570	23.07%	0.488%
174	11.522	11.499	11.548	VV	8391	224175	25.03%	0.529%
175	11.563	11.548	11.595	VV	8894	219368	24.50%	0.518%
176	11.619	11.595	11.631	VV	8596	167826	18.74%	0.396%
177	11.644	11.631	11.660	VV	8274	133828	14.95%	0.316%
178	11.664	11.660	11.675	VV	7687	66724	7.45%	0.158%
179	11.711	11.675	11.747	VV	27366	588269	65.69%	1.389%
180	11.765	11.747	11.793	VV	7085	176814	19.75%	0.418%
181	11.820	11.793	11.845	VV	8409	208518	23.29%	0.492%
182	11.860	11.845	11.875	VV	6664	112533	12.57%	0.266%
183	11.904	11.875	11.949	VV	7128	292935	32.71%	0.692%
184	11.972	11.949	11.987	VV	9416	174712	19.51%	0.413%
185	12.004	11.987	12.045	VV	10723	249350	27.85%	0.589%
186	12.069	12.045	12.082	VV	6438	129005	14.41%	0.305%
187	12.094	12.082	12.104	VV	6216	79375	8.86%	0.187%
188	12.122	12.104	12.138	VV	8961	154526	17.26%	0.365%
189	12.155	12.138	12.210	VV	7878	274543	30.66%	0.648%
190	12.228	12.210	12.246	VV	5976	120113	13.41%	0.284%
191	12.274	12.246	12.296	VV	11126	247428	27.63%	0.584%
192	12.309	12.296	12.352	VV	7090	196238	21.91%	0.463%
193	12.378	12.352	12.390	VV	5990	126556	14.13%	0.299%
194	12.413	12.390	12.443	VV	5752	171653	19.17%	0.405%

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195	12.447	12.443	12.461	VV	4953	48904	5.46%	0.116%
196	12.480	12.461	12.493	VV	5382	93844	10.48%	0.222%
197	12.513	12.493	12.526	VV	6220	111563	12.46%	0.263%
198	12.540	12.526	12.559	VV	5946	105587	11.79%	0.249%
199	12.568	12.559	12.575	VV	4677	43397	4.85%	0.102%
200	12.594	12.575	12.617	VV	5549	119343	13.33%	0.282%
201	12.623	12.617	12.631	VV	4373	35828	4.00%	0.085%
202	12.635	12.631	12.642	VV	4321	27706	3.09%	0.065%
203	12.657	12.642	12.688	VV	5266	128550	14.36%	0.304%
204	12.723	12.688	12.744	VV	5064	153814	17.18%	0.363%
205	12.768	12.744	12.827	VV	5987	233931	26.12%	0.553%
206	12.875	12.827	12.897	VV	8049	230915	25.79%	0.545%
207	12.912	12.897	12.926	VV	5571	88770	9.91%	0.210%
208	12.941	12.926	12.975	VV	6305	145160	16.21%	0.343%
209	12.994	12.975	13.042	VV	5357	164659	18.39%	0.389%
210	13.050	13.042	13.072	VV	3366	59791	6.68%	0.141%
211	13.088	13.072	13.108	VV	3638	70390	7.86%	0.166%
212	13.123	13.108	13.144	VV	3584	68474	7.65%	0.162%
213	13.153	13.144	13.164	VV	2787	32294	3.61%	0.076%
214	13.167	13.164	13.171	VV	2625	10375	1.16%	0.025%
215	13.192	13.171	13.201	VV	3197	51735	5.78%	0.122%
216	13.221	13.201	13.274	VV	3253	127743	14.27%	0.302%
217	13.293	13.274	13.319	VV	4073	85922	9.60%	0.203%
218	13.333	13.319	13.344	VV	2849	40525	4.53%	0.096%
219	13.358	13.344	13.376	VV	3022	52762	5.89%	0.125%
220	13.393	13.376	13.402	VV	2755	39027	4.36%	0.092%
221	13.405	13.402	13.411	VV	2720	14567	1.63%	0.034%
222	13.435	13.411	13.467	VV	4594	118979	13.29%	0.281%
223	13.471	13.467	13.480	VV	2765	21435	2.39%	0.051%
224	13.485	13.480	13.534	VV	2709	71848	8.02%	0.170%
225	13.574	13.534	13.578	VV	3065	66060	7.38%	0.156%
226	13.590	13.578	13.608	VV	3274	55209	6.17%	0.130%
227	13.626	13.608	13.672	VV	3145	91029	10.17%	0.215%
228	13.692	13.672	13.707	VV	2327	38985	4.35%	0.092%
229	13.719	13.707	13.747	VV	2362	46976	5.25%	0.111%
230	13.773	13.747	13.807	VV	2722	73293	8.19%	0.173%
231	13.822	13.807	13.848	VV	1788	41176	4.60%	0.097%
232	13.854	13.848	13.864	VV	1616	14975	1.67%	0.035%
233	13.881	13.864	13.911	VV	1872	44457	4.96%	0.105%
234	13.919	13.911	13.933	VV	1317	16633	1.86%	0.039%
235	13.942	13.933	13.951	VV	1274	12430	1.39%	0.029%
236	13.956	13.951	13.968	VV	1340	13326	1.49%	0.031%
237	13.994	13.968	14.022	VV	1758	46933	5.24%	0.111%
238	14.055	14.022	14.087	VV	1858	60671	6.78%	0.143%
239	14.093	14.087	14.122	VV	1233	20980	2.34%	0.050%
240	14.141	14.122	14.154	VV	1612	25424	2.84%	0.060%
241	14.161	14.154	14.182	VV	1567	20934	2.34%	0.049%
242	14.199	14.182	14.246	VV	1281	37575	4.20%	0.089%
243	14.250	14.246	14.256	VV	1099	5624	0.63%	0.013%
244	14.265	14.256	14.280	VV	1056	13117	1.46%	0.031%
245	14.285	14.280	14.307	VV	937	11668	1.30%	0.028%
246	14.311	14.307	14.318	VV	569	3282	0.37%	0.008%

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247	14.347	14.318	14.353	VV	883	13810	1.54%	0.033%
248	14.375	14.353	14.410	VV	1403	32023	3.58%	0.076%
249	14.419	14.410	14.423	VV	567	4162	0.46%	0.010%
250	14.432	14.423	14.439	VV	640	5676	0.63%	0.013%
251	14.443	14.439	14.465	VV	662	8704	0.97%	0.021%
252	14.470	14.465	14.483	VV	592	4903	0.55%	0.012%
253	14.509	14.483	14.515	VV	900	12804	1.43%	0.030%
254	14.527	14.515	14.543	VV	975	13765	1.54%	0.033%
255	14.551	14.543	14.571	VV	784	10272	1.15%	0.024%
256	14.581	14.571	14.588	VV	888	4402	0.49%	0.010%
257	14.595	14.588	14.602	VV	583	4091	0.46%	0.010%
258	14.606	14.602	14.638	VV	553	10918	1.22%	0.026%
259	14.650	14.638	14.675	VV	673	9335	1.04%	0.022%
260	14.680	14.675	14.684	VV	216	1004	0.11%	0.002%
261	14.709	14.684	14.743	VV	885	17345	1.94%	0.041%
262	14.763	14.743	14.789	VV	1437	23329	2.61%	0.055%
263	14.808	14.789	14.815	VV	664	8452	0.94%	0.020%
264	14.828	14.815	14.856	VV	806	14425	1.61%	0.034%
265	14.861	14.856	14.892	VV	459	4936	0.55%	0.012%
266	14.900	14.892	14.930	VV	241	3947	0.44%	0.009%
267	14.936	14.930	14.942	VV	242	1273	0.14%	0.003%
268	14.960	14.942	14.970	VV	540	4676	0.52%	0.011%
269	14.983	14.970	15.015	VV	427	6441	0.72%	0.015%
270	15.043	15.015	15.085	PV	2484	35619	3.98%	0.084%
271	15.091	15.085	15.119	VV	202	1668	0.19%	0.004%
272	15.132	15.119	15.139	VV	213	1356	0.15%	0.003%
273	15.153	15.139	15.168	VV	248	2262	0.25%	0.005%
274	15.185	15.168	15.202	VV	405	5180	0.58%	0.012%
275	15.224	15.202	15.239	VV	1037	14436	1.61%	0.034%
276	15.249	15.239	15.275	VV	726	9732	1.09%	0.023%
277	15.280	15.275	15.288	VV	276	1961	0.22%	0.005%
278	15.295	15.288	15.308	VV	349	2949	0.33%	0.007%
279	15.313	15.308	15.316	VV	309	1233	0.14%	0.003%
280	15.321	15.316	15.333	VV	313	2562	0.29%	0.006%
281	15.336	15.333	15.348	VV	347	2318	0.26%	0.005%
282	15.392	15.348	15.412	VV	418	9353	1.04%	0.022%
283	15.416	15.412	15.422	PV	117	435	0.05%	0.001%
284	15.433	15.422	15.447	VV	140	1240	0.14%	0.003%
285	15.453	15.447	15.468	VV	142	1251	0.14%	0.003%
286	15.508	15.468	15.523	PV	264	5459	0.61%	0.013%
287	15.536	15.523	15.551	VV	168	1883	0.21%	0.004%
288	15.562	15.551	15.567	VV	182	1142	0.13%	0.003%
289	15.573	15.567	15.585	VV	230	1534	0.17%	0.004%
290	15.590	15.585	15.605	VV	264	1725	0.19%	0.004%
291	15.633	15.605	15.653	VV	875	15141	1.69%	0.036%
292	15.658	15.653	15.672	VV	341	3398	0.38%	0.008%
293	15.678	15.672	15.684	VV	354	2217	0.25%	0.005%
294	15.689	15.684	15.711	VV	314	3713	0.41%	0.009%
295	15.729	15.711	15.745	VV	360	4637	0.52%	0.011%
296	15.772	15.745	15.793	VV	687	12047	1.35%	0.028%
297	15.795	15.793	15.830	VV	454	8412	0.94%	0.020%
298	15.844	15.830	15.849	VV	521	4684	0.52%	0.011%
299	15.855	15.849	15.887	VV	520	5989	0.67%	0.014%

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300	15.901	15.887	15.917	VV	261	2822	0.32%	0.007%
301	15.933	15.917	15.939	VV	157	1419	0.16%	0.003%
302	15.946	15.939	15.953	VV	146	999	0.11%	0.002%
303	15.979	15.953	15.985	VV	196	2113	0.24%	0.005%
304	15.995	15.985	16.004	VV	218	1938	0.22%	0.005%
305	16.009	16.004	16.013	VV	180	786	0.09%	0.002%
306	16.023	16.013	16.046	VV	303	3684	0.41%	0.009%
307	16.052	16.046	16.067	VV	247	2424	0.27%	0.006%
308	16.080	16.067	16.095	VV	397	5076	0.57%	0.012%
309	16.098	16.095	16.120	VV	305	2988	0.33%	0.007%
310	16.135	16.120	16.142	VV	180	1908	0.21%	0.005%
311	16.149	16.142	16.165	VV	197	1929	0.22%	0.005%
312	16.170	16.165	16.176	VV	197	908	0.10%	0.002%
313	16.186	16.176	16.201	VV	244	2063	0.23%	0.005%
314	16.236	16.201	16.249	VV	322	5999	0.67%	0.014%
315	16.275	16.249	16.297	VV	642	10680	1.19%	0.025%
316	16.312	16.297	16.356	VV	338	6317	0.71%	0.015%
317	16.364	16.356	16.372	VV	156	943	0.11%	0.002%
318	16.378	16.372	16.402	PV	153	1248	0.14%	0.003%
319	16.408	16.402	16.412	VV	108	565	0.06%	0.001%
320	16.416	16.412	16.422	VV	114	598	0.07%	0.001%
321	16.427	16.422	16.433	VV	173	803	0.09%	0.002%
322	16.464	16.433	16.479	VV	355	6266	0.70%	0.015%
323	16.484	16.479	16.492	VV	278	1597	0.18%	0.004%
324	16.518	16.492	16.529	PV	258	3801	0.42%	0.009%
325	16.577	16.529	16.583	VV	339	6172	0.69%	0.015%
326	16.604	16.583	16.622	VV	281	4247	0.47%	0.010%
327	16.655	16.622	16.686	PV	236	4807	0.54%	0.011%
328	16.723	16.686	16.733	VV	352	4595	0.51%	0.011%
329	16.759	16.733	16.790	VV	774	15896	1.78%	0.038%
330	16.798	16.790	16.803	VV	166	1094	0.12%	0.003%
331	16.834	16.803	16.840	VV	131	2330	0.26%	0.006%
332	16.888	16.840	16.898	PV	212	4190	0.47%	0.010%
333	16.925	16.898	16.931	VV	267	3796	0.42%	0.009%
334	16.934	16.931	16.940	VV	259	1114	0.12%	0.003%
335	16.987	16.940	16.991	VV	331	7679	0.86%	0.018%
336	16.997	16.991	17.007	VV	299	2194	0.25%	0.005%
337	17.024	17.007	17.029	VV	257	2765	0.31%	0.007%
338	17.036	17.029	17.040	VV	317	1616	0.18%	0.004%
339	17.068	17.040	17.087	VV	490	9158	1.02%	0.022%
340	17.100	17.087	17.107	VV	354	3654	0.41%	0.009%
341	17.123	17.107	17.151	VV	481	7910	0.88%	0.019%
342	17.161	17.151	17.167	VV	87	816	0.09%	0.002%
343	17.195	17.167	17.200	VV	305	4284	0.48%	0.010%
344	17.229	17.200	17.260	VV	1285	23394	2.61%	0.055%
345	17.272	17.260	17.297	VV	386	4998	0.56%	0.012%
346	17.314	17.297	17.325	VV	227	2180	0.24%	0.005%
347	17.330	17.325	17.335	VV	115	507	0.06%	0.001%
348	17.346	17.335	17.351	PV	177	879	0.10%	0.002%
349	17.371	17.351	17.378	PV	533	1364	0.15%	0.003%
350	17.390	17.378	17.400	VBA	108	2611	0.29%	0.006%

Sum of corrected areas: 42339268

rteres

FG011325.M Fri Feb 07 04:28:07 2025

Report of Analysis

Client:	ENTACT		Date Collected:	02/05/25	
Project:	North Point - 4101 Arthur Kill Rd - E9306		Date Received:	02/05/25	
Client Sample ID:	EX-6-TPH-2		SDG No.:	Q1308	
Lab Sample ID:	Q1308-03		Matrix:	SOIL	
Analytical Method:	8015D DRO		% Solid:	83.9	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
FG015340.D	50	02/06/25 08:00	02/07/25 1:56	PB166587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	802000		11100	99300	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\FG020625\
Data File : FG015340.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 01:56
Operator : YP\AJ
Sample : Q1308-03 50X
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-6-TPH-2

Integration File: autoint1.e
Quant Time: Feb 07 05:49:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Quant Title :
QLast Update : Fri Jan 24 12:51:39 2025
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

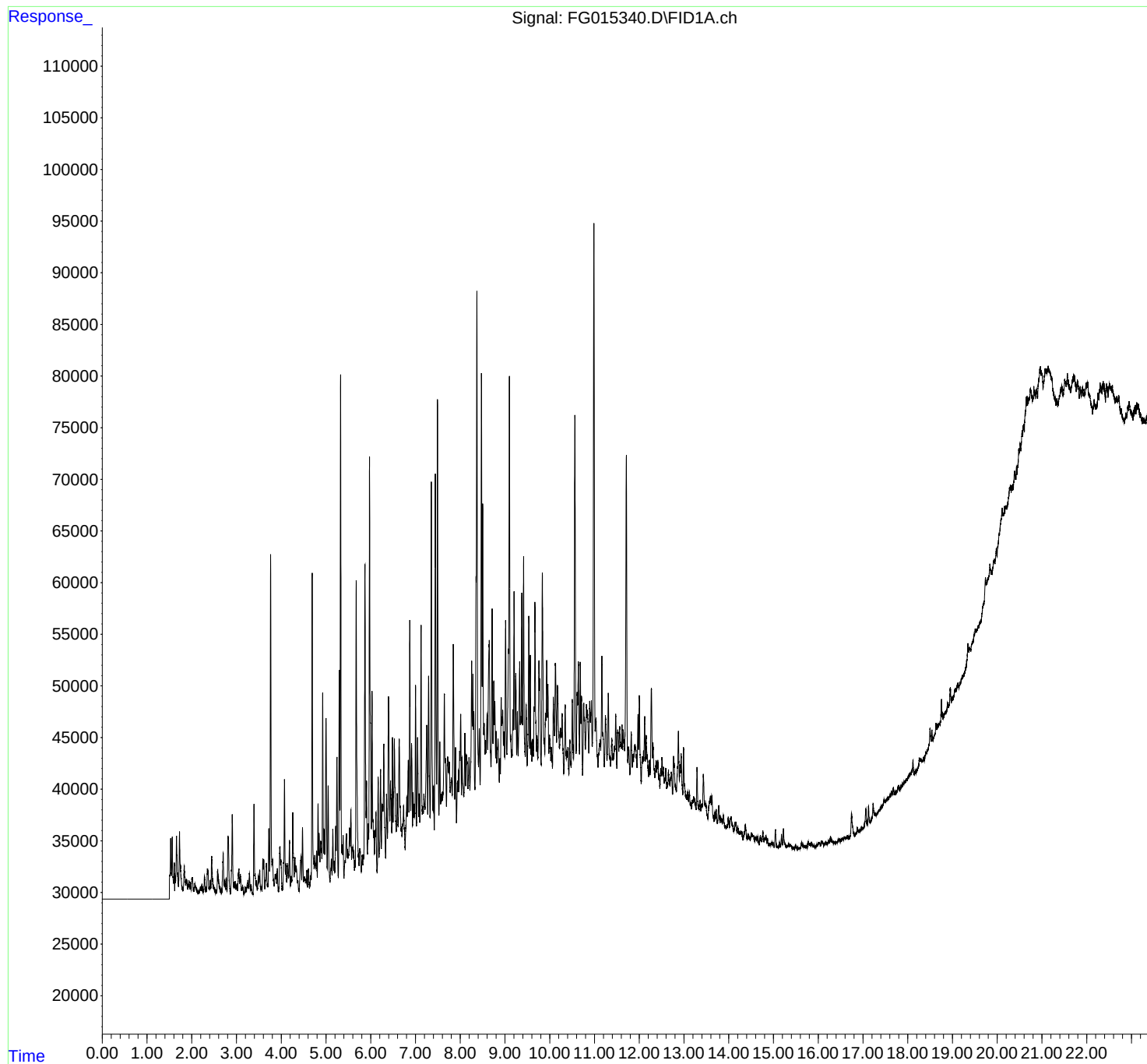
(m)=manual int.

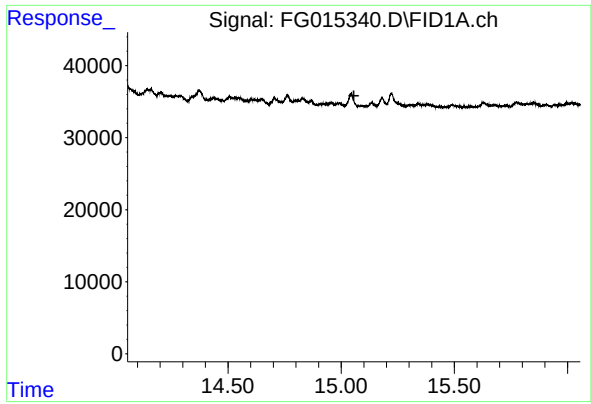
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG020625\
Data File : FG015340.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 01:56
Operator : YP\AJ
Sample : Q1308-03 50X
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-6-TPH-2

Integration File: autoint1.e
Quant Time: Feb 07 05:49:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Quant Title :
QLast Update : Fri Jan 24 12:51:39 2025
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.: 15.056 min
Response: 0
Conc: N.D.

Instrument :
FID_G
ClientSampleId :
EX-6-TPH-2

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG020625\
Data File : FG015340.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 01:56
Sample : Q1308-03 50X
Misc :
ALS Vial : 40 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.370	4.350	4.392	BV	295	1142	0.10%	0.002%
2	4.443	4.392	4.458	PV	3360	69913	5.91%	0.123%
3	4.476	4.458	4.503	VV	6125	80922	6.84%	0.143%
4	4.518	4.503	4.556	VV	1318	33357	2.82%	0.059%
5	4.573	4.556	4.590	VV	1975	24085	2.04%	0.042%
6	4.610	4.590	4.632	VV	2079	27771	2.35%	0.049%
7	4.663	4.632	4.670	VV	1477	20860	1.76%	0.037%
8	4.691	4.670	4.735	VV	30655	366268	30.97%	0.646%
9	4.748	4.735	4.774	VV	3163	60385	5.11%	0.107%
10	4.791	4.774	4.806	VV	3741	49705	4.20%	0.088%
11	4.823	4.806	4.836	VV	8304	91490	7.74%	0.161%
12	4.847	4.836	4.865	VV	5210	69608	5.89%	0.123%
13	4.883	4.865	4.910	VV	4657	99590	8.42%	0.176%
14	4.926	4.910	4.947	VV	18961	216990	18.35%	0.383%
15	4.958	4.947	4.971	VV	5777	69187	5.85%	0.122%
16	5.001	4.971	5.027	VV	16408	276189	23.35%	0.487%
17	5.049	5.027	5.088	VV	9907	151087	12.77%	0.267%
18	5.121	5.088	5.137	VV	2842	53367	4.51%	0.094%
19	5.154	5.137	5.173	VV	5771	75000	6.34%	0.132%
20	5.184	5.173	5.198	VV	2581	32211	2.72%	0.057%
21	5.218	5.198	5.229	VV	5980	73297	6.20%	0.129%
22	5.245	5.229	5.275	VV	12639	173264	14.65%	0.306%
23	5.298	5.275	5.311	VV	21038	224572	18.99%	0.396%
24	5.327	5.311	5.351	VV	49605	534634	45.21%	0.943%
25	5.361	5.351	5.371	VV	4144	45466	3.84%	0.080%
26	5.384	5.371	5.402	VV	5026	60541	5.12%	0.107%
27	5.427	5.402	5.434	VV	2621	39783	3.36%	0.070%
28	5.456	5.434	5.475	VV	5114	98067	8.29%	0.173%
29	5.483	5.475	5.496	VV	3672	41093	3.47%	0.073%
30	5.527	5.496	5.540	VV	5668	108174	9.15%	0.191%
31	5.557	5.540	5.573	VV	7460	104453	8.83%	0.184%
32	5.585	5.573	5.590	VV	3712	34603	2.93%	0.061%
33	5.599	5.590	5.611	VV	3861	42609	3.60%	0.075%
34	5.621	5.611	5.636	VV	3477	41240	3.49%	0.073%
35	5.649	5.636	5.657	VV	2491	25742	2.18%	0.045%
36	5.676	5.657	5.738	VV	29490	471508	39.87%	0.832%

rteres								
37	5.757	5.738	5.791	VV	3612	83255	7.04%	0.147%
38	5.811	5.791	5.825	VV	2985	47573	4.02%	0.084%
39	5.834	5.825	5.844	VV	2957	31062	2.63%	0.055%
40	5.872	5.844	5.896	VV	31095	452186	38.23%	0.798%
41	5.906	5.896	5.927	VV	10123	125598	10.62%	0.222%
42	5.946	5.927	5.955	VV	5989	79488	6.72%	0.140%
43	5.973	5.955	6.016	VV	41429	650798	55.03%	1.148%
44	6.030	6.016	6.063	VV	18759	267857	22.65%	0.473%
45	6.071	6.063	6.084	VV	5258	57376	4.85%	0.101%
46	6.096	6.084	6.106	VV	5293	59407	5.02%	0.105%
47	6.116	6.106	6.143	VV	6957	90721	7.67%	0.160%
48	6.166	6.143	6.185	VV	10408	135658	11.47%	0.239%
49	6.220	6.185	6.237	VV	11147	189436	16.02%	0.334%
50	6.254	6.237	6.260	VV	7680	83741	7.08%	0.148%
51	6.266	6.260	6.274	VV	7739	60652	5.13%	0.107%
52	6.292	6.274	6.332	VV	13574	259402	21.93%	0.458%
53	6.353	6.332	6.374	VV	8654	148199	12.53%	0.262%
54	6.397	6.374	6.428	VV	18015	353792	29.91%	0.624%
55	6.442	6.428	6.470	VV	9969	197804	16.72%	0.349%
56	6.485	6.470	6.499	VV	13986	164665	13.92%	0.291%
57	6.529	6.499	6.572	VV	14021	370279	31.31%	0.653%
58	6.590	6.572	6.613	VV	8602	166521	14.08%	0.294%
59	6.636	6.613	6.680	VV	13912	342301	28.94%	0.604%
60	6.688	6.680	6.701	VV	5336	63270	5.35%	0.112%
61	6.711	6.701	6.718	VV	5695	53161	4.49%	0.094%
62	6.733	6.718	6.769	VV	7446	172631	14.60%	0.305%
63	6.805	6.769	6.817	VV	8259	172895	14.62%	0.305%
64	6.838	6.817	6.854	VV	11771	209977	17.75%	0.371%
65	6.872	6.854	6.895	VV	25270	359441	30.39%	0.634%
66	6.912	6.895	6.934	VV	13385	236720	20.02%	0.418%
67	6.946	6.934	6.961	VV	8520	112628	9.52%	0.199%
68	6.971	6.961	6.983	VV	7458	91633	7.75%	0.162%
69	7.001	6.983	7.021	VV	19013	258129	21.83%	0.455%
70	7.045	7.021	7.071	VV	13943	281062	23.76%	0.496%
71	7.083	7.071	7.096	VV	8399	107246	9.07%	0.189%
72	7.124	7.096	7.152	VV	24660	420517	35.56%	0.742%
73	7.162	7.152	7.176	VV	7187	98463	8.33%	0.174%
74	7.188	7.176	7.209	VV	8061	145926	12.34%	0.257%
75	7.252	7.209	7.272	VV	14924	393092	33.24%	0.694%
76	7.292	7.272	7.328	VV	19622	384982	32.55%	0.679%
77	7.353	7.328	7.392	VV	38552	646934	54.70%	1.142%
78	7.403	7.392	7.420	VV	9075	123538	10.45%	0.218%
79	7.443	7.420	7.473	VV	39275	610033	51.58%	1.076%
80	7.491	7.473	7.523	VV	46467	647568	54.75%	1.143%
81	7.543	7.523	7.560	VV	13258	213133	18.02%	0.376%
82	7.571	7.560	7.582	VV	8195	102896	8.70%	0.182%
83	7.595	7.582	7.605	VV	8353	112468	9.51%	0.198%
84	7.645	7.605	7.662	VV	17870	398847	33.72%	0.704%
85	7.668	7.662	7.692	VV	11656	178715	15.11%	0.315%
86	7.720	7.692	7.733	VV	11797	258814	21.88%	0.457%
87	7.739	7.733	7.747	VV	10479	83045	7.02%	0.147%
88	7.757	7.747	7.780	VV	11205	195665	16.54%	0.345%
89	7.801	7.780	7.821	VV	9739	222026	18.77%	0.392%

					rteres			
90	7.845	7.821	7.876	VV	22544	461565	39.03%	0.814%
91	7.895	7.876	7.916	VV	12599	225736	19.09%	0.398%
92	7.938	7.916	7.947	VV	9344	148668	12.57%	0.262%
93	7.960	7.947	7.971	VV	10317	135338	11.44%	0.239%
94	7.987	7.971	7.994	VV	12273	144760	12.24%	0.255%
95	8.010	7.994	8.028	VV	15792	257975	21.81%	0.455%
96	8.041	8.028	8.079	VV	11599	288187	24.37%	0.509%
97	8.105	8.079	8.124	VV	13883	286397	24.22%	0.505%
98	8.139	8.124	8.173	VV	11808	308511	26.09%	0.544%
99	8.197	8.173	8.216	VV	11562	257619	21.78%	0.455%
100	8.256	8.216	8.270	VV	20749	447726	37.86%	0.790%
101	8.283	8.270	8.296	VV	19543	261881	22.14%	0.462%
102	8.304	8.296	8.328	VV	15925	238721	20.18%	0.421%
103	8.372	8.328	8.408	VV	56643	1174775	99.33%	2.073%
104	8.426	8.408	8.445	VV	14276	260979	22.07%	0.461%
105	8.474	8.445	8.489	VV	48564	705853	59.68%	1.246%
106	8.503	8.489	8.523	VV	36059	495906	41.93%	0.875%
107	8.536	8.523	8.557	VV	14795	271550	22.96%	0.479%
108	8.567	8.557	8.579	VV	13094	167753	14.18%	0.296%
109	8.600	8.579	8.615	VV	15548	296923	25.11%	0.524%
110	8.649	8.615	8.689	VV	22734	732716	61.95%	1.293%
111	8.713	8.689	8.732	VV	25794	451119	38.14%	0.796%
112	8.751	8.732	8.764	VV	18747	305559	25.84%	0.539%
113	8.774	8.764	8.792	VV	16749	245674	20.77%	0.434%
114	8.803	8.792	8.819	VV	13905	204288	17.27%	0.360%
115	8.845	8.819	8.873	VV	13167	373750	31.60%	0.659%
116	8.886	8.873	8.898	VV	11166	152631	12.91%	0.269%
117	8.917	8.898	8.933	VV	17132	295680	25.00%	0.522%
118	8.950	8.933	8.967	VV	15845	304919	25.78%	0.538%
119	8.979	8.967	8.993	VV	13781	195300	16.51%	0.345%
120	9.015	8.993	9.040	VV	24551	478260	40.44%	0.844%
121	9.099	9.040	9.122	VV	48131	1119068	94.62%	1.975%
122	9.129	9.122	9.144	VV	13353	162889	13.77%	0.287%
123	9.152	9.144	9.162	VV	12025	129921	10.99%	0.229%
124	9.177	9.162	9.188	VV	15866	210882	17.83%	0.372%
125	9.204	9.188	9.224	VV	27197	433832	36.68%	0.766%
126	9.242	9.224	9.262	VV	19166	364095	30.79%	0.642%
127	9.277	9.262	9.297	VV	15598	274405	23.20%	0.484%
128	9.329	9.297	9.343	VV	20420	450072	38.05%	0.794%
129	9.352	9.343	9.360	VV	15129	147915	12.51%	0.261%
130	9.376	9.360	9.393	VV	27082	395694	33.46%	0.698%
131	9.417	9.393	9.455	VV	30370	659219	55.74%	1.163%
132	9.473	9.455	9.498	VV	16246	345110	29.18%	0.609%
133	9.533	9.498	9.551	VV	24740	508666	43.01%	0.898%
134	9.566	9.551	9.582	VV	20694	297498	25.15%	0.525%
135	9.590	9.582	9.603	VV	12411	140610	11.89%	0.248%
136	9.670	9.636	9.707	VV	25903	701746	59.33%	1.238%
137	9.717	9.707	9.732	VV	13011	187751	15.87%	0.331%
138	9.759	9.732	9.771	VV	20320	369512	31.24%	0.652%
139	9.777	9.771	9.808	VV	18565	315137	26.65%	0.556%
140	9.836	9.808	9.872	VV	28839	698399	59.05%	1.232%
141	9.876	9.872	9.890	VV	12817	134430	11.37%	0.237%

rteres								
142	9.908	9.890	9.915	VV	15222	208123	17.60%	0.367%
143	9.932	9.915	9.949	VV	20316	354759	30.00%	0.626%
144	9.960	9.949	9.980	VV	18037	280221	23.69%	0.494%
145	9.996	9.980	10.023	VV	13033	305278	25.81%	0.539%
146	10.036	10.023	10.061	VV	11863	255463	21.60%	0.451%
147	10.082	10.061	10.103	VV	16663	341915	28.91%	0.603%
148	10.128	10.103	10.153	VV	19904	493242	41.71%	0.870%
149	10.173	10.153	10.219	VV	17662	575214	48.64%	1.015%
150	10.239	10.219	10.258	VV	13675	306757	25.94%	0.541%
151	10.277	10.258	10.314	VV	14965	415255	35.11%	0.733%
152	10.384	10.373	10.393	VV	11320	129018	10.91%	0.228%
153	10.405	10.393	10.429	VV	11701	231159	19.55%	0.408%
154	10.449	10.429	10.477	VV	12394	307594	26.01%	0.543%
155	10.503	10.477	10.534	VV	16274	426627	36.07%	0.753%
156	10.562	10.534	10.590	VV	43863	813788	68.81%	1.436%
157	10.640	10.625	10.664	VV	19870	369536	31.25%	0.652%
158	10.682	10.664	10.697	VV	19786	317586	26.85%	0.560%
159	10.709	10.697	10.734	VV	16302	295946	25.02%	0.522%
160	10.760	10.734	10.797	VV	15846	499041	42.20%	0.881%
161	10.821	10.797	10.832	VV	15685	289600	24.49%	0.511%
162	10.842	10.832	10.872	VV	15117	326655	27.62%	0.576%
163	10.893	10.872	10.909	VV	15988	310135	26.22%	0.547%
164	10.930	10.909	10.950	VV	16005	351601	29.73%	0.620%
165	10.987	10.950	11.015	VV	62158	1182688	100.00%	2.087%
166	11.111	11.078	11.117	VV	11833	251566	21.27%	0.444%
167	11.124	11.117	11.139	VV	12201	159933	13.52%	0.282%
168	11.165	11.139	11.219	VV	20260	648914	54.87%	1.145%
169	11.245	11.219	11.281	VV	14488	452473	38.26%	0.798%
170	11.309	11.281	11.343	VV	16575	467099	39.49%	0.824%
171	11.346	11.343	11.358	VV	10466	90887	7.68%	0.160%
172	11.387	11.358	11.410	VV	12309	341920	28.91%	0.603%
173	11.416	11.410	11.422	VV	10423	75054	6.35%	0.132%
174	11.426	11.422	11.431	VV	10774	58570	4.95%	0.103%
175	11.445	11.431	11.451	VV	11386	131617	11.13%	0.232%
176	11.475	11.451	11.499	VV	14411	346478	29.30%	0.611%
177	11.520	11.499	11.543	VV	12943	314226	26.57%	0.554%
178	11.595	11.592	11.600	VV	11713	58693	4.96%	0.104%
179	11.615	11.600	11.630	VV	13392	215329	18.21%	0.380%
180	11.644	11.630	11.672	VV	13002	302899	25.61%	0.534%
181	11.712	11.672	11.745	VV	39396	886994	75.00%	1.565%
182	11.761	11.745	11.792	VV	11230	289849	24.51%	0.511%
183	11.862	11.845	11.873	VV	10543	169752	14.35%	0.300%
184	11.905	11.873	11.922	VV	11539	319326	27.00%	0.563%
185	11.927	11.922	11.950	VV	10946	173084	14.63%	0.305%
186	11.973	11.950	11.986	VV	14254	258592	21.86%	0.456%
187	12.003	11.986	12.044	VV	16057	398480	33.69%	0.703%
188	12.070	12.044	12.079	VV	10244	198611	16.79%	0.350%
189	12.096	12.079	12.104	VV	10672	146332	12.37%	0.258%
190	12.122	12.104	12.139	VV	14042	250388	21.17%	0.442%
191	12.229	12.211	12.244	VV	9827	184269	15.58%	0.325%
192	12.272	12.244	12.299	VV	16801	416220	35.19%	0.734%
193	12.309	12.299	12.350	VV	11329	296325	25.06%	0.523%
194	12.375	12.350	12.390	VV	9690	215571	18.23%	0.380%

					rteres			
195	12.445	12.439	12.462	VV	8355	108830	9.20%	0.192%
196	12.478	12.462	12.484	VV	8881	106843	9.03%	0.189%
197	12.510	12.484	12.527	VV	10028	236518	20.00%	0.417%
198	12.569	12.564	12.573	VV	7967	39963	3.38%	0.071%
199	12.626	12.617	12.635	VV	7477	80299	6.79%	0.142%
200	12.654	12.635	12.690	VV	8746	256383	21.68%	0.452%
201	12.706	12.690	12.710	VV	8076	92628	7.83%	0.163%
202	12.721	12.710	12.748	VV	8482	173207	14.65%	0.306%
203	12.875	12.834	12.897	VV	12398	356033	30.10%	0.628%
204	12.913	12.897	12.922	VV	9186	127244	10.76%	0.225%
205	12.937	12.922	12.972	VV	10236	251003	21.22%	0.443%
206	13.047	13.042	13.065	VV	6235	86177	7.29%	0.152%
207	13.082	13.065	13.107	VV	6471	151311	12.79%	0.267%
208	13.121	13.107	13.152	VV	6495	155714	13.17%	0.275%
209	13.154	13.152	13.168	VV	5410	49015	4.14%	0.086%
210	13.214	13.205	13.220	VV	5942	53249	4.50%	0.094%
211	13.223	13.220	13.226	VV	5859	20150	1.70%	0.036%
212	13.230	13.226	13.272	VV	5829	146949	12.43%	0.259%
213	13.330	13.327	13.339	VV	4970	33886	2.87%	0.060%
214	13.386	13.376	13.395	VV	5216	55976	4.73%	0.099%
215	13.402	13.395	13.408	VV	5239	38992	3.30%	0.069%
216	13.477	13.472	13.481	VV	5068	25600	2.16%	0.045%
217	13.595	13.535	13.612	VV	5886	234870	19.86%	0.414%
218	13.624	13.612	13.652	VV	5856	121458	10.27%	0.214%
219	13.656	13.652	13.677	VV	3986	54867	4.64%	0.097%
220	13.692	13.677	13.705	VV	4311	67331	5.69%	0.119%
221	13.779	13.752	13.807	VV	4867	133714	11.31%	0.236%
222	13.827	13.807	13.844	VV	3692	77121	6.52%	0.136%
223	13.848	13.844	13.859	VV	3534	31713	2.68%	0.056%
224	13.920	13.910	13.940	VV	2909	50269	4.25%	0.089%
225	13.960	13.940	13.972	VV	3011	54643	4.62%	0.096%
226	13.991	13.972	14.020	VV	3706	89906	7.60%	0.159%
227	14.111	14.107	14.116	VV	2505	12815	1.08%	0.023%
228	14.143	14.116	14.149	VV	3157	55482	4.69%	0.098%
229	14.153	14.149	14.159	VV	3055	17098	1.45%	0.030%
230	14.161	14.159	14.185	VV	3184	41928	3.55%	0.074%
231	14.204	14.185	14.239	VV	2641	74428	6.29%	0.131%
232	14.241	14.239	14.262	VV	2225	29086	2.46%	0.051%
233	14.285	14.279	14.317	VV	2233	43675	3.69%	0.077%
234	14.341	14.317	14.353	VV	2160	39047	3.30%	0.069%
235	14.374	14.353	14.401	VV	2934	65342	5.52%	0.115%
236	14.405	14.401	14.416	VV	1713	14209	1.20%	0.025%
237	14.439	14.416	14.467	VV	1879	50223	4.25%	0.089%
238	14.473	14.467	14.482	VV	1549	12869	1.09%	0.023%
239	14.507	14.482	14.525	VV	2040	43480	3.68%	0.077%
240	14.575	14.572	14.579	VV	1354	5643	0.48%	0.010%
241	14.602	14.579	14.613	VV	1578	28881	2.44%	0.051%
242	14.617	14.613	14.632	VV	1489	15936	1.35%	0.028%
243	14.706	14.682	14.742	VV	1698	45413	3.84%	0.080%
244	14.763	14.742	14.787	VV	2108	40351	3.41%	0.071%
245	14.802	14.787	14.807	VV	1339	14758	1.25%	0.026%
246	14.811	14.807	14.815	VV	1378	6836	0.58%	0.012%

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247	14.831	14.815	14.855	VV	1628	31404	2.66%	0.055%
248	14.868	14.855	14.895	VV	1334	21968	1.86%	0.039%
249	14.910	14.895	14.925	VV	805	13348	1.13%	0.024%
250	14.955	14.945	14.972	VV	927	13489	1.14%	0.024%
251	14.992	14.972	15.014	VV	848	17869	1.51%	0.032%
252	15.045	15.014	15.083	VV	2145	42397	3.58%	0.075%
253	15.088	15.083	15.119	VV	512	8997	0.76%	0.016%
254	15.134	15.119	15.160	VV	893	15359	1.30%	0.027%
255	15.180	15.160	15.200	VV	1609	24641	2.08%	0.043%
256	15.312	15.285	15.324	VV	501	9970	0.84%	0.018%
257	15.341	15.324	15.369	VV	642	13610	1.15%	0.024%
258	15.379	15.369	15.415	VV	593	12067	1.02%	0.021%
259	15.422	15.415	15.427	VV	235	1362	0.12%	0.002%
260	15.433	15.427	15.447	VV	280	2312	0.20%	0.004%
261	15.456	15.447	15.467	VV	197	1749	0.15%	0.003%
262	15.490	15.467	15.509	VV	494	7369	0.62%	0.013%
263	15.514	15.509	15.537	VV	308	3036	0.26%	0.005%
264	15.543	15.537	15.550	PV	204	1031	0.09%	0.002%
265	15.570	15.550	15.604	VV	187	4262	0.36%	0.008%
266	15.630	15.604	15.655	VV	648	12272	1.04%	0.022%
267	15.661	15.655	15.667	VV	374	2064	0.17%	0.004%
268	15.671	15.667	15.675	VV	356	1355	0.11%	0.002%
269	15.680	15.675	15.692	VV	357	2723	0.23%	0.005%
270	15.703	15.692	15.711	VV	222	2049	0.17%	0.004%
271	15.717	15.711	15.740	VV	221	3190	0.27%	0.006%
272	15.774	15.740	15.812	VV	681	16199	1.37%	0.029%
273	15.819	15.812	15.832	VV	426	4262	0.36%	0.008%
274	15.848	15.832	15.884	VV	536	10797	0.91%	0.019%
275	15.907	15.884	15.928	VV	320	3776	0.32%	0.007%
276	15.944	15.928	15.956	PV	215	2119	0.18%	0.004%
277	15.959	15.956	15.962	VV	192	457	0.04%	0.001%
278	15.966	15.962	15.969	VV	203	527	0.04%	0.001%
279	15.973	15.969	15.980	VV	216	999	0.08%	0.002%
280	15.995	15.980	16.005	VV	392	3986	0.34%	0.007%
281	16.021	16.005	16.050	VV	427	8026	0.68%	0.014%
282	16.078	16.050	16.083	VV	494	5681	0.48%	0.010%
283	16.087	16.083	16.099	VV	427	3546	0.30%	0.006%
284	16.105	16.099	16.121	VV	311	3002	0.25%	0.005%
285	16.127	16.121	16.131	VV	161	790	0.07%	0.001%
286	16.139	16.131	16.143	VV	213	931	0.08%	0.002%
287	16.158	16.143	16.172	VV	302	3713	0.31%	0.007%
288	16.197	16.172	16.204	VV	258	2934	0.25%	0.005%
289	16.211	16.204	16.216	VV	230	1451	0.12%	0.003%
290	16.219	16.216	16.222	VV	200	669	0.06%	0.001%
291	16.234	16.222	16.251	VV	312	4467	0.38%	0.008%
292	16.274	16.251	16.295	VV	767	11957	1.01%	0.021%
293	16.300	16.295	16.325	VV	386	4891	0.41%	0.009%
294	16.331	16.325	16.377	VV	243	3176	0.27%	0.006%
295	16.460	16.377	16.485	PV	289	8095	0.68%	0.014%
296	16.490	16.485	16.498	VV	169	1199	0.10%	0.002%
297	16.505	16.498	16.510	VV	232	992	0.08%	0.002%
298	16.526	16.510	16.567	VV	304	5719	0.48%	0.010%
299	16.587	16.567	16.617	VV	380	7344	0.62%	0.013%

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300	16.622	16.617	16.626	VV	254	1080	0.09%	0.002%	
301	16.630	16.626	16.644	VV	233	2452	0.21%	0.004%	
302	16.656	16.644	16.684	VV	371	5360	0.45%	0.009%	
303	16.689	16.684	16.695	VV	76	286	0.02%	0.001%	
304	16.744	16.695	16.806	PV	2279	52406	4.43%	0.092%	
305	16.846	16.806	16.850	PV	135	897	0.08%	0.002%	
306	16.879	16.850	16.901	PV	531	7599	0.64%	0.013%	
307	16.939	16.901	16.943	VV	108	1574	0.13%	0.003%	
308	16.965	16.943	17.002	PV	303	4304	0.36%	0.008%	
309	17.064	17.002	17.100	PV	1726	31907	2.70%	0.056%	
310	17.124	17.100	17.154	VV	1736	23649	2.00%	0.042%	
311	17.158	17.154	17.165	VV	129	566	0.05%	0.001%	
312	17.228	17.165	17.248	PV	1495	26749	2.26%	0.047%	
313	17.252	17.248	17.258	VV	470	2263	0.19%	0.004%	
314	17.281	17.258	17.286	VV	261	3871	0.33%	0.007%	
315	17.289	17.286	17.297	VV	195	784	0.07%	0.001%	
316	17.304	17.297	17.309	VV	104	456	0.04%	0.001%	
317	17.366	17.309	17.371	PV	142	3360	0.28%	0.006%	
					Sum of corrected areas:		56672144		

FG011325.M Fri Feb 07 06:01:57 2025

Report of Analysis

Client:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-11-TPH-5	SDG No.:	Q1308
Lab Sample ID:	Q1308-04	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	85.3
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Final Vol:	1
GPC Factor :		Test:	Diesel Range Organics
Prep Method :	SW3541	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG015320.D	1	02/06/25 09:15	02/06/25 15:00	PB166587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	1870	J	216	1950	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	12.1		37 - 130	61%	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\FG020625\
Data File : FG015320.D
Signal(s) : FID1A.ch
Acq On : 06 Feb 2025 15:00
Operator : YP\AJ
Sample : Q1308-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-11-TPH-5

Integration File: autoint1.e
Quant Time: Feb 07 03:10:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Quant Title :
QLast Update : Fri Jan 24 12:51:39 2025
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...	15.043	1554920	12.122 ug/ml

Target Compounds

(f)=RT Delta > 1/2 Window

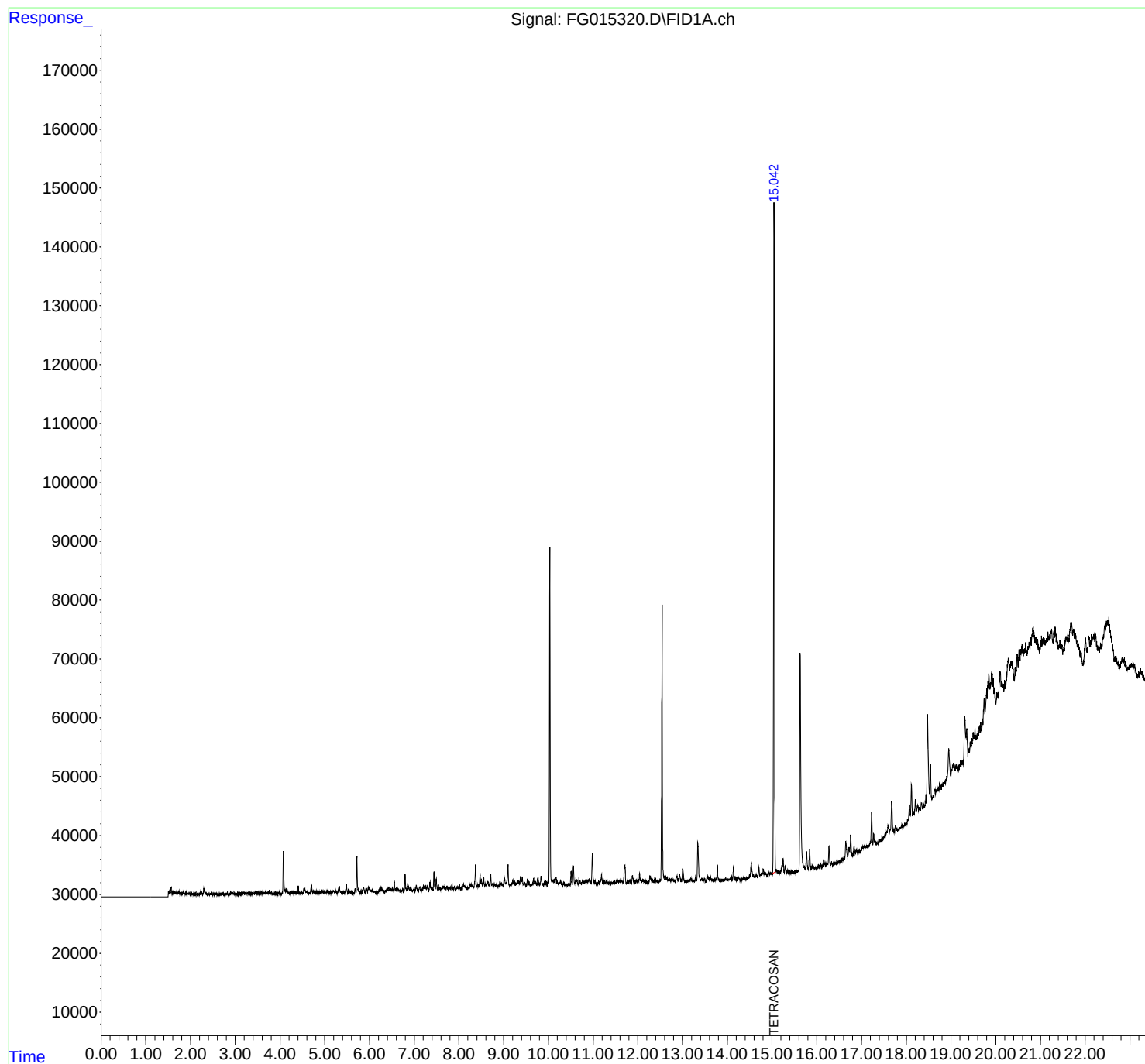
(m)=manual int.

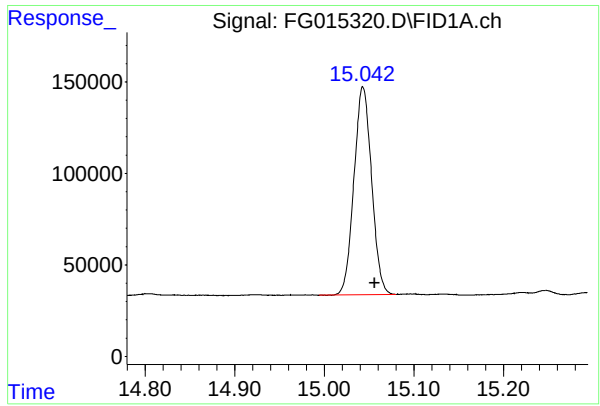
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG020625\
Data File : FG015320.D
Signal(s) : FID1A.ch
Acq On : 06 Feb 2025 15:00
Operator : YP\AJ
Sample : Q1308-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-11-TPH-5

Integration File: autoint1.e
Quant Time: Feb 07 03:10:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Quant Title :
QLast Update : Fri Jan 24 12:51:39 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#9 TETRACOSANE-d50 (SURROGATE)

R.T.: 15.043 min
Delta R.T.: -0.013 min
Response: 1554920
Conc: 12.12 ug/ml

Instrument :
FID_G
ClientSampleId :
EX-11-TPH-5

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG020625\
Data File : FG015320.D
Signal(s) : FID1A.ch
Acq On : 06 Feb 2025 15:00
Sample : Q1308-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.397	4.392	4.400	PV	55	171	0.01%	0.002%
2	4.409	4.400	4.419	PV	1018	1817	0.11%	0.022%
3	4.424	4.419	4.429	VV	147	952	0.06%	0.011%
4	4.433	4.429	4.467	VV	171	2621	0.17%	0.032%
5	4.474	4.467	4.488	VV	222	2288	0.14%	0.028%
6	4.491	4.488	4.501	VV	138	863	0.05%	0.010%
7	4.531	4.501	4.546	VV	516	8134	0.51%	0.098%
8	4.554	4.546	4.596	VV	840	14799	0.94%	0.178%
9	4.600	4.596	4.634	VV	294	4500	0.28%	0.054%
10	4.654	4.634	4.669	VV	165	2425	0.15%	0.029%
11	4.671	4.669	4.675	VV	159	411	0.03%	0.005%
12	4.705	4.675	4.738	VV	1337	25251	1.60%	0.305%
13	4.752	4.738	4.775	VV	388	6393	0.40%	0.077%
14	4.788	4.775	4.807	VV	261	3711	0.23%	0.045%
15	4.826	4.807	4.836	VV	448	5003	0.32%	0.060%
16	4.848	4.836	4.867	VV	433	5488	0.35%	0.066%
17	4.885	4.867	4.905	VV	361	6400	0.40%	0.077%
18	4.928	4.905	4.948	VV	627	10397	0.66%	0.125%
19	4.958	4.948	4.971	VV	412	4625	0.29%	0.056%
20	5.003	4.971	5.033	VV	650	13820	0.87%	0.167%
21	5.051	5.033	5.077	VV	544	8575	0.54%	0.103%
22	5.078	5.077	5.091	VV	171	987	0.06%	0.012%
23	5.096	5.091	5.106	VV	184	1211	0.08%	0.015%
24	5.120	5.106	5.138	VV	332	4026	0.25%	0.049%
25	5.157	5.138	5.169	VV	302	4014	0.25%	0.048%
26	5.186	5.169	5.192	VV	471	5025	0.32%	0.061%
27	5.200	5.192	5.212	VV	531	5092	0.32%	0.061%
28	5.217	5.212	5.233	VV	325	3296	0.21%	0.040%
29	5.249	5.233	5.278	VV	430	7003	0.44%	0.084%
30	5.298	5.278	5.311	VV	605	6654	0.42%	0.080%
31	5.328	5.311	5.352	VV	1231	15098	0.96%	0.182%
32	5.360	5.352	5.398	VV	380	5927	0.37%	0.071%
33	5.427	5.398	5.437	VV	264	3775	0.24%	0.046%
34	5.462	5.437	5.468	VV	361	5258	0.33%	0.063%
35	5.485	5.468	5.512	VV	1626	20547	1.30%	0.248%
36	5.520	5.512	5.542	VV	412	5156	0.33%	0.062%

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37	5.556	5.542	5.572	VV	423	5254	0.33%	0.063%
38	5.576	5.572	5.580	VV	209	968	0.06%	0.012%
39	5.586	5.580	5.591	VV	262	1415	0.09%	0.017%
40	5.596	5.591	5.642	VV	317	4897	0.31%	0.059%
41	5.652	5.642	5.658	VV	145	892	0.06%	0.011%
42	5.678	5.658	5.688	VV	803	9271	0.59%	0.112%
43	5.694	5.688	5.701	VV	662	4643	0.29%	0.056%
44	5.718	5.701	5.780	VV	6353	80090	5.07%	0.966%
45	5.787	5.780	5.794	VV	266	2064	0.13%	0.025%
46	5.810	5.794	5.822	VV	326	4158	0.26%	0.050%
47	5.833	5.822	5.845	VV	316	3083	0.20%	0.037%
48	5.870	5.845	5.901	VV	1133	20610	1.30%	0.249%
49	5.911	5.901	5.917	VV	433	3431	0.22%	0.041%
50	5.940	5.917	5.957	VV	733	12612	0.80%	0.152%
51	5.974	5.957	5.990	VV	1167	16794	1.06%	0.203%
52	5.994	5.990	6.022	VV	923	12577	0.80%	0.152%
53	6.030	6.022	6.042	VV	652	6143	0.39%	0.074%
54	6.058	6.042	6.083	VV	607	10989	0.70%	0.133%
55	6.098	6.083	6.106	VV	355	4261	0.27%	0.051%
56	6.117	6.106	6.140	VV	394	5586	0.35%	0.067%
57	6.166	6.140	6.181	PV	545	7107	0.45%	0.086%
58	6.195	6.181	6.202	VV	281	2783	0.18%	0.034%
59	6.219	6.202	6.235	VV	755	9733	0.62%	0.117%
60	6.266	6.235	6.289	VV	831	19986	1.26%	0.241%
61	6.291	6.289	6.330	VV	605	10192	0.64%	0.123%
62	6.353	6.330	6.378	VV	519	10925	0.69%	0.132%
63	6.403	6.378	6.416	VV	790	13439	0.85%	0.162%
64	6.432	6.416	6.466	VV	1038	19474	1.23%	0.235%
65	6.483	6.466	6.496	VV	686	9891	0.63%	0.119%
66	6.515	6.496	6.535	VV	649	13225	0.84%	0.159%
67	6.556	6.535	6.577	VV	1882	26479	1.68%	0.319%
68	6.589	6.577	6.616	VV	661	12492	0.79%	0.151%
69	6.634	6.616	6.655	VV	681	11607	0.73%	0.140%
70	6.660	6.655	6.675	VV	445	4605	0.29%	0.056%
71	6.683	6.675	6.713	VV	387	6713	0.42%	0.081%
72	6.738	6.713	6.745	VV	465	6133	0.39%	0.074%
73	6.748	6.745	6.769	VV	469	4613	0.29%	0.056%
74	6.797	6.769	6.830	VV	3071	41568	2.63%	0.501%
75	6.838	6.830	6.842	VV	557	3715	0.24%	0.045%
76	6.845	6.842	6.853	VV	544	3210	0.20%	0.039%
77	6.871	6.853	6.896	VV	1159	18336	1.16%	0.221%
78	6.910	6.896	6.932	VV	605	9763	0.62%	0.118%
79	6.947	6.932	6.961	VV	421	5092	0.32%	0.061%
80	7.002	6.961	7.025	VV	820	15991	1.01%	0.193%
81	7.046	7.025	7.077	VV	1110	19475	1.23%	0.235%
82	7.082	7.077	7.098	VV	333	3335	0.21%	0.040%
83	7.124	7.098	7.156	VV	847	16681	1.06%	0.201%
84	7.208	7.156	7.236	VV	1123	29015	1.84%	0.350%
85	7.254	7.236	7.276	VV	938	17056	1.08%	0.206%
86	7.292	7.276	7.327	VV	1000	17927	1.13%	0.216%
87	7.355	7.327	7.380	VV	1647	27274	1.73%	0.329%
88	7.395	7.380	7.421	VV	855	13580	0.86%	0.164%
89	7.443	7.421	7.474	VV	3286	45901	2.90%	0.554%

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90	7.493	7.474	7.522	VV	2123	30803	1.95%	0.371%
91	7.542	7.522	7.561	VV	1058	15219	0.96%	0.184%
92	7.567	7.561	7.587	VV	472	5952	0.38%	0.072%
93	7.591	7.587	7.600	VV	394	2892	0.18%	0.035%
94	7.645	7.600	7.655	VV	764	18561	1.17%	0.224%
95	7.668	7.655	7.695	VV	759	13464	0.85%	0.162%
96	7.727	7.695	7.747	VV	705	16716	1.06%	0.202%
97	7.757	7.747	7.768	VV	535	5723	0.36%	0.069%
98	7.799	7.768	7.805	VV	547	9610	0.61%	0.116%
99	7.809	7.805	7.819	VV	481	3883	0.25%	0.047%
100	7.846	7.819	7.875	VV	1167	21893	1.39%	0.264%
101	7.896	7.875	7.913	VV	694	9977	0.63%	0.120%
102	7.933	7.913	7.939	VV	471	4915	0.31%	0.059%
103	7.958	7.939	7.970	VV	711	9641	0.61%	0.116%
104	7.985	7.970	7.992	VV	629	6417	0.41%	0.077%
105	8.010	7.992	8.029	VV	976	15152	0.96%	0.183%
106	8.038	8.029	8.074	VV	426	8848	0.56%	0.107%
107	8.103	8.074	8.121	VV	1159	20817	1.32%	0.251%
108	8.131	8.121	8.152	VV	709	11422	0.72%	0.138%
109	8.157	8.152	8.182	VV	641	8686	0.55%	0.105%
110	8.198	8.182	8.216	VV	528	8966	0.57%	0.108%
111	8.252	8.216	8.268	VV	1000	20047	1.27%	0.242%
112	8.283	8.268	8.301	VV	1038	15993	1.01%	0.193%
113	8.304	8.301	8.319	VV	754	6147	0.39%	0.074%
114	8.373	8.319	8.411	VV	4338	77569	4.91%	0.935%
115	8.423	8.411	8.442	VV	831	13873	0.88%	0.167%
116	8.475	8.442	8.492	VV	2493	42758	2.70%	0.516%
117	8.502	8.492	8.524	VV	1837	26271	1.66%	0.317%
118	8.554	8.524	8.583	VV	1961	41415	2.62%	0.499%
119	8.603	8.583	8.618	VV	1001	17581	1.11%	0.212%
120	8.649	8.618	8.676	VV	1327	36269	2.29%	0.437%
121	8.679	8.676	8.690	VV	831	6393	0.40%	0.077%
122	8.712	8.690	8.734	VV	2532	36504	2.31%	0.440%
123	8.750	8.734	8.767	VV	985	16166	1.02%	0.195%
124	8.774	8.767	8.794	VV	919	12717	0.80%	0.153%
125	8.802	8.794	8.820	VV	833	11421	0.72%	0.138%
126	8.847	8.820	8.871	VV	889	19363	1.22%	0.234%
127	8.886	8.871	8.898	VV	656	8585	0.54%	0.104%
128	8.916	8.898	8.933	VV	1345	19689	1.25%	0.237%
129	8.950	8.933	8.965	VV	1079	16520	1.05%	0.199%
130	8.981	8.965	8.996	VV	814	13245	0.84%	0.160%
131	9.014	8.996	9.041	VV	2057	37212	2.35%	0.449%
132	9.098	9.041	9.142	VV	4091	92008	5.82%	1.110%
133	9.152	9.142	9.163	VV	726	7990	0.51%	0.096%
134	9.177	9.163	9.187	VV	940	11576	0.73%	0.140%
135	9.206	9.187	9.226	VV	1505	25310	1.60%	0.305%
136	9.243	9.226	9.264	VV	1250	21880	1.38%	0.264%
137	9.277	9.264	9.292	VV	923	13391	0.85%	0.161%
138	9.309	9.292	9.315	VV	1112	13308	0.84%	0.160%
139	9.328	9.315	9.345	VV	1242	18935	1.20%	0.228%
140	9.350	9.345	9.360	VV	959	7797	0.49%	0.094%
141	9.380	9.360	9.401	VV	2043	37350	2.36%	0.450%

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142	9.417	9.401	9.451	VV	1963	34781	2.20%	0.419%
143	9.469	9.451	9.493	VV	1010	17901	1.13%	0.216%
144	9.533	9.493	9.551	VV	1549	28733	1.82%	0.347%
145	9.567	9.551	9.599	VV	1115	21712	1.37%	0.262%
146	9.617	9.599	9.635	VV	701	12167	0.77%	0.147%
147	9.671	9.635	9.702	VV	1635	37615	2.38%	0.454%
148	9.714	9.702	9.732	VV	1052	14930	0.94%	0.180%
149	9.764	9.732	9.807	VV	1706	44952	2.84%	0.542%
150	9.837	9.807	9.874	VV	1961	42493	2.69%	0.512%
151	9.879	9.874	9.892	VV	592	5632	0.36%	0.068%
152	9.926	9.892	9.950	VV	1264	29966	1.90%	0.361%
153	9.960	9.950	9.976	VV	916	10829	0.69%	0.131%
154	10.001	9.976	10.010	VV	1000	14794	0.94%	0.178%
155	10.033	10.010	10.071	VV	57689	634135	40.12%	7.647%
156	10.077	10.071	10.103	VV	1281	22112	1.40%	0.267%
157	10.126	10.103	10.151	VV	1249	30010	1.90%	0.362%
158	10.171	10.151	10.222	VV	1691	42454	2.69%	0.512%
159	10.237	10.222	10.257	VV	725	14031	0.89%	0.169%
160	10.274	10.257	10.311	VV	1113	21438	1.36%	0.259%
161	10.344	10.311	10.378	VV	810	18272	1.16%	0.220%
162	10.390	10.378	10.397	VV	377	3500	0.22%	0.042%
163	10.404	10.397	10.426	VV	418	4799	0.30%	0.058%
164	10.445	10.426	10.465	VV	442	7688	0.49%	0.093%
165	10.475	10.465	10.481	VV	374	3007	0.19%	0.036%
166	10.508	10.481	10.532	VV	2558	36886	2.33%	0.445%
167	10.561	10.532	10.587	VV	3522	55301	3.50%	0.667%
168	10.614	10.587	10.626	VV	1057	18573	1.17%	0.224%
169	10.636	10.626	10.668	VV	1178	20003	1.27%	0.241%
170	10.683	10.668	10.702	VV	1029	15522	0.98%	0.187%
171	10.709	10.702	10.740	VV	933	13158	0.83%	0.159%
172	10.758	10.740	10.765	VV	851	9664	0.61%	0.117%
173	10.773	10.765	10.777	VV	825	5566	0.35%	0.067%
174	10.781	10.777	10.798	VV	827	7819	0.49%	0.094%
175	10.821	10.798	10.827	VV	808	11774	0.74%	0.142%
176	10.842	10.827	10.856	VV	967	14757	0.93%	0.178%
177	10.862	10.856	10.878	VV	955	10402	0.66%	0.125%
178	10.892	10.878	10.900	VV	1014	11302	0.71%	0.136%
179	10.916	10.900	10.951	VV	1152	26846	1.70%	0.324%
180	10.985	10.951	11.016	VV	5538	88668	5.61%	1.069%
181	11.040	11.016	11.084	VV	833	22778	1.44%	0.275%
182	11.092	11.084	11.097	VV	304	2173	0.14%	0.026%
183	11.130	11.097	11.137	VV	574	10955	0.69%	0.132%
184	11.190	11.137	11.224	VV	1921	45973	2.91%	0.554%
185	11.249	11.224	11.273	VV	778	16051	1.02%	0.194%
186	11.307	11.273	11.337	VV	851	21096	1.33%	0.254%
187	11.348	11.337	11.359	VV	436	5405	0.34%	0.065%
188	11.362	11.359	11.370	VV	368	2188	0.14%	0.026%
189	11.385	11.370	11.415	VV	460	9199	0.58%	0.111%
190	11.443	11.415	11.459	VV	479	9707	0.61%	0.117%
191	11.479	11.459	11.496	VV	768	11868	0.75%	0.143%
192	11.519	11.496	11.527	VV	550	7504	0.47%	0.090%
193	11.556	11.527	11.584	VV	747	20286	1.28%	0.245%
194	11.594	11.584	11.602	VV	664	6799	0.43%	0.082%

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195	11.619	11.602	11.654	VV	1083	22278	1.41%	0.269%
196	11.662	11.654	11.675	VV	467	5369	0.34%	0.065%
197	11.709	11.675	11.740	VV	3315	67320	4.26%	0.812%
198	11.775	11.740	11.798	VV	784	16355	1.03%	0.197%
199	11.816	11.798	11.847	VV	762	14128	0.89%	0.170%
200	11.880	11.847	11.919	VV	1490	32317	2.04%	0.390%
201	11.924	11.919	11.947	VV	559	7903	0.50%	0.095%
202	11.970	11.947	11.987	VV	740	12661	0.80%	0.153%
203	12.007	11.987	12.020	VV	835	13057	0.83%	0.157%
204	12.039	12.020	12.085	VV	1812	34332	2.17%	0.414%
205	12.101	12.085	12.112	VV	698	9170	0.58%	0.111%
206	12.119	12.112	12.141	VV	691	9834	0.62%	0.119%
207	12.156	12.141	12.209	VV	589	14326	0.91%	0.173%
208	12.230	12.209	12.246	VV	482	7453	0.47%	0.090%
209	12.274	12.246	12.325	VV	1324	36565	2.31%	0.441%
210	12.341	12.325	12.358	VV	532	8650	0.55%	0.104%
211	12.383	12.358	12.410	VV	1147	20747	1.31%	0.250%
212	12.414	12.410	12.439	VV	454	6661	0.42%	0.080%
213	12.445	12.439	12.465	VV	476	5612	0.36%	0.068%
214	12.470	12.465	12.482	VV	316	2883	0.18%	0.035%
215	12.507	12.482	12.512	VV	645	8503	0.54%	0.103%
216	12.542	12.512	12.604	VV	47012	566972	35.87%	6.837%
217	12.621	12.604	12.635	VV	1140	16858	1.07%	0.203%
218	12.648	12.635	12.679	VV	953	19348	1.22%	0.233%
219	12.683	12.679	12.690	VV	552	3261	0.21%	0.039%
220	12.718	12.690	12.745	VV	700	17203	1.09%	0.207%
221	12.764	12.745	12.775	VV	749	10985	0.69%	0.132%
222	12.783	12.775	12.829	VV	580	12628	0.80%	0.152%
223	12.872	12.829	12.899	VV	1180	28720	1.82%	0.346%
224	12.937	12.899	12.975	VV	1404	31371	1.98%	0.378%
225	13.003	12.975	13.040	VV	2364	46550	2.94%	0.561%
226	13.046	13.040	13.054	VV	236	1335	0.08%	0.016%
227	13.077	13.054	13.106	VV	290	6060	0.38%	0.073%
228	13.131	13.106	13.145	VV	351	5658	0.36%	0.068%
229	13.179	13.145	13.213	VV	629	15473	0.98%	0.187%
230	13.219	13.213	13.223	VV	264	1154	0.07%	0.014%
231	13.245	13.223	13.271	VV	321	6157	0.39%	0.074%
232	13.293	13.271	13.311	VV	873	12054	0.76%	0.145%
233	13.340	13.311	13.413	VV	6765	128430	8.12%	1.549%
234	13.427	13.413	13.459	VV	563	11002	0.70%	0.133%
235	13.464	13.459	13.477	VV	361	3039	0.19%	0.037%
236	13.497	13.477	13.527	VV	516	7742	0.49%	0.093%
237	13.554	13.527	13.597	PV	955	23464	1.48%	0.283%
238	13.621	13.597	13.638	VV	713	12981	0.82%	0.157%
239	13.645	13.638	13.660	VV	339	3615	0.23%	0.044%
240	13.664	13.660	13.709	VV	370	7211	0.46%	0.087%
241	13.776	13.709	13.807	VV	2765	44749	2.83%	0.540%
242	13.810	13.807	13.819	VV	291	1645	0.10%	0.020%
243	13.833	13.819	13.866	VV	206	3726	0.24%	0.045%
244	13.888	13.866	13.905	VV	246	3522	0.22%	0.042%
245	13.910	13.905	13.915	VV	108	396	0.03%	0.005%
246	13.958	13.915	13.987	PV	338	8837	0.56%	0.107%

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247	13.992	13.987	14.014	VV	360	4559	0.29%	0.055%
248	14.031	14.014	14.042	VV	210	3098	0.20%	0.037%
249	14.059	14.042	14.067	VV	315	3913	0.25%	0.047%
250	14.088	14.067	14.114	VV	921	13379	0.85%	0.161%
251	14.137	14.114	14.181	VV	2138	34135	2.16%	0.412%
252	14.200	14.181	14.226	VV	340	4852	0.31%	0.059%
253	14.256	14.226	14.279	VV	493	8973	0.57%	0.108%
254	14.295	14.279	14.313	VV	170	1998	0.13%	0.024%
255	14.370	14.313	14.410	PV	484	12599	0.80%	0.152%
256	14.422	14.410	14.428	VV	214	1530	0.10%	0.018%
257	14.434	14.428	14.450	VV	229	2040	0.13%	0.025%
258	14.455	14.450	14.460	VV	154	813	0.05%	0.010%
259	14.532	14.460	14.594	VV	2789	71106	4.50%	0.858%
260	14.601	14.594	14.607	VV	410	2653	0.17%	0.032%
261	14.620	14.607	14.635	VV	418	6259	0.40%	0.075%
262	14.655	14.635	14.675	VV	505	8075	0.51%	0.097%
263	14.705	14.675	14.727	VV	1807	26854	1.70%	0.324%
264	14.735	14.727	14.751	VV	584	7263	0.46%	0.088%
265	14.767	14.751	14.781	VV	747	10433	0.66%	0.126%
266	14.803	14.781	14.827	VV	1374	24283	1.54%	0.293%
267	14.833	14.827	14.851	VV	646	7544	0.48%	0.091%
268	14.867	14.851	14.888	VV	467	8507	0.54%	0.103%
269	14.921	14.888	14.952	VV	668	16708	1.06%	0.201%
270	14.963	14.952	14.970	VV	497	4522	0.29%	0.055%
271	14.979	14.970	15.003	VV	508	8038	0.51%	0.097%
272	15.043	15.003	15.084	VV	113973	1580735	100.00%	19.063%
273	15.100	15.084	15.116	VV	913	14486	0.92%	0.175%
274	15.135	15.116	15.155	VV	821	14174	0.90%	0.171%
275	15.160	15.155	15.167	VV	285	1793	0.11%	0.022%
276	15.221	15.167	15.232	VV	1564	31860	2.02%	0.384%
277	15.247	15.232	15.273	VV	2687	37050	2.34%	0.447%
278	15.292	15.273	15.323	VV	1414	21285	1.35%	0.257%
279	15.358	15.323	15.376	VV	438	10832	0.69%	0.131%
280	15.383	15.376	15.418	VV	425	5446	0.34%	0.066%
281	15.438	15.418	15.464	VV	402	6193	0.39%	0.075%
282	15.499	15.464	15.519	PV	168	2647	0.17%	0.032%
283	15.522	15.519	15.530	VV	126	428	0.03%	0.005%
284	15.627	15.530	15.741	PV	36953	663826	41.99%	8.006%
285	15.769	15.741	15.805	VV	3240	50742	3.21%	0.612%
286	15.840	15.805	15.872	VV	3523	51108	3.23%	0.616%
287	15.896	15.872	15.937	VV	498	11102	0.70%	0.134%
288	16.023	15.937	16.033	VV	250	7209	0.46%	0.087%
289	16.066	16.033	16.087	VV	366	8816	0.56%	0.106%
290	16.089	16.087	16.120	VV	407	3583	0.23%	0.043%
291	16.155	16.120	16.219	PV	1293	31953	2.02%	0.385%
292	16.236	16.219	16.244	VV	407	5069	0.32%	0.061%
293	16.271	16.244	16.314	VV	3255	47301	2.99%	0.570%
294	16.330	16.314	16.370	VV	403	6437	0.41%	0.078%
295	16.375	16.370	16.392	VV	155	1189	0.08%	0.014%
296	16.409	16.392	16.425	VV	231	2879	0.18%	0.035%
297	16.464	16.425	16.474	PV	269	4942	0.31%	0.060%
298	16.478	16.474	16.487	VV	309	1648	0.10%	0.020%
299	16.491	16.487	16.507	VV	222	1654	0.10%	0.020%

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300	16.512	16.507	16.517	VV	141	633	0.04%	0.008%	
301	16.527	16.517	16.545	VV	147	1299	0.08%	0.016%	
302	16.612	16.545	16.619	PV	362	9880	0.63%	0.119%	
303	16.649	16.619	16.689	VV	3007	60691	3.84%	0.732%	
304	16.719	16.689	16.735	VV	1802	30598	1.94%	0.369%	
305	16.756	16.735	16.784	VV	3758	55696	3.52%	0.672%	
306	16.835	16.784	16.860	VV	1251	25716	1.63%	0.310%	
307	16.886	16.860	16.903	VV	770	12412	0.79%	0.150%	
308	16.955	16.903	16.974	VV	406	11738	0.74%	0.142%	
309	17.022	16.974	17.047	VV	670	18207	1.15%	0.220%	
310	17.065	17.047	17.081	VV	709	12025	0.76%	0.145%	
311	17.087	17.081	17.092	VV	480	2622	0.17%	0.032%	
312	17.128	17.092	17.140	VV	559	12771	0.81%	0.154%	
313	17.147	17.140	17.155	VV	316	2376	0.15%	0.029%	
314	17.226	17.155	17.252	VV	5833	96070	6.08%	1.159%	
315	17.272	17.252	17.289	VV	1914	23922	1.51%	0.288%	
316	17.298	17.289	17.322	VV	778	9091	0.58%	0.110%	
317	17.336	17.322	17.354	PV	174	1780	0.11%	0.021%	
318	17.392	17.354	17.400	PBA	258	6026	0.38%	0.073%	
				Sum of corrected areas:		8292117			

FG011325.M Fri Feb 07 04:12:42 2025

Report of Analysis

Client:	ENTACT		Date Collected:	02/05/25	
Project:	North Point - 4101 Arthur Kill Rd - E9306		Date Received:	02/05/25	
Client Sample ID:	EX-11-TPH-6		SDG No.:	Q1308	
Lab Sample ID:	Q1308-05		Matrix:	SOIL	
Analytical Method:	8015D DRO		% Solid:	83.2	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
FG015321.D	1	02/06/25 09:15	02/06/25 15:29	PB166587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	1550	J	222	2000	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	7.77		37 - 130	39%	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\FG020625\
Data File : FG015321.D
Signal(s) : FID1A.ch
Acq On : 06 Feb 2025 15:29
Operator : YP\AJ
Sample : Q1308-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-11-TPH-6

Integration File: autoint1.e
Quant Time: Feb 07 03:11:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Quant Title :
QLast Update : Fri Jan 24 12:51:39 2025
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...	15.043	996261	7.767 ug/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

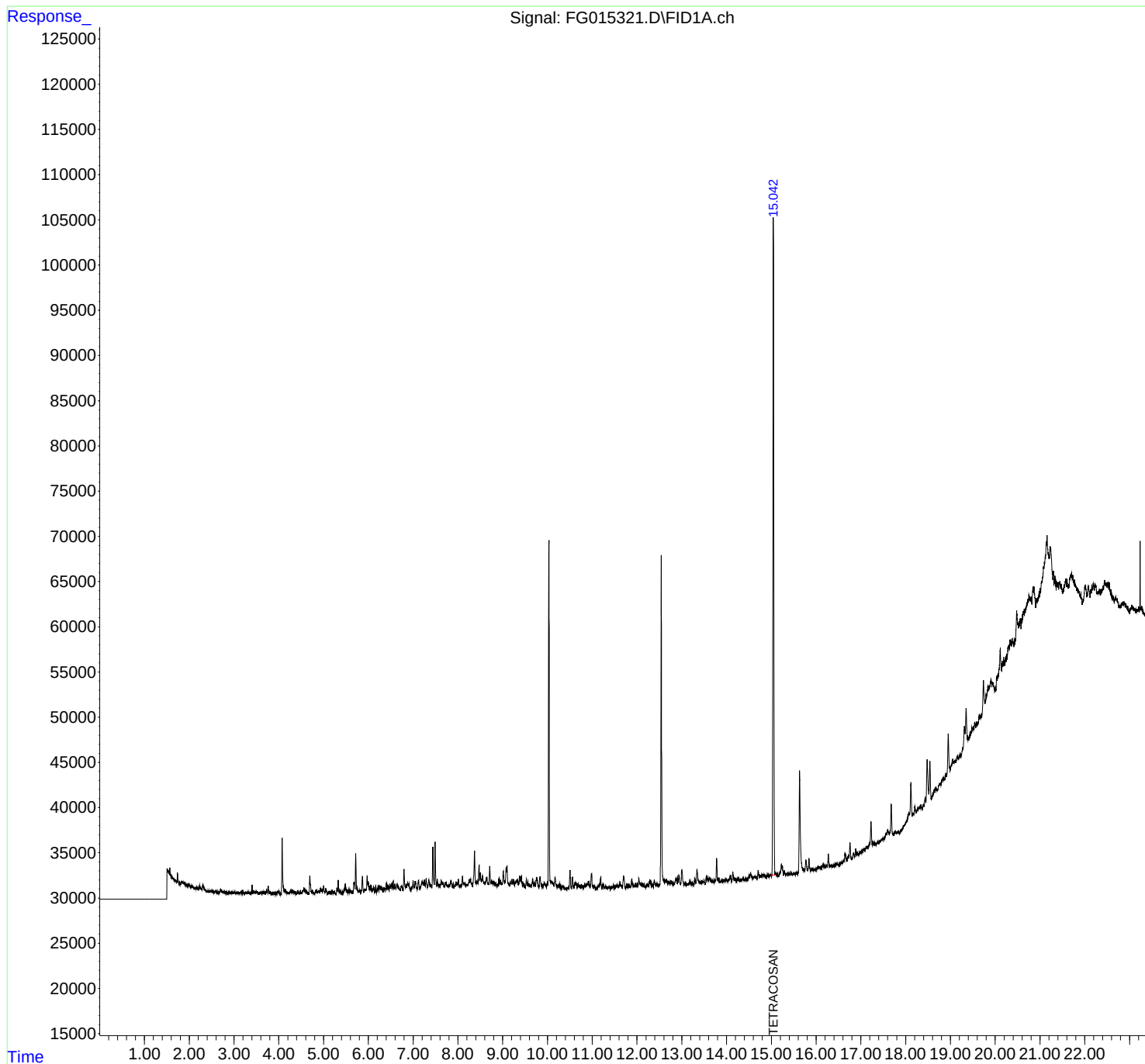
(m)=manual int.

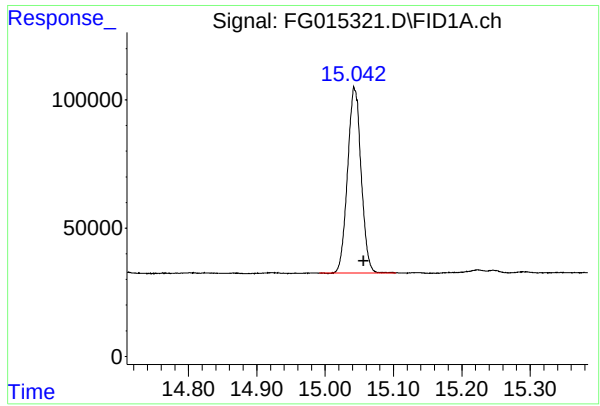
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG020625\
Data File : FG015321.D
Signal(s) : FID1A.ch
Acq On : 06 Feb 2025 15:29
Operator : YP\AJ
Sample : Q1308-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-11-TPH-6

Integration File: autoint1.e
Quant Time: Feb 07 03:11:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Quant Title :
QLast Update : Fri Jan 24 12:51:39 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#9 TETRACOSANE-d50 (SURROGATE)

R.T.: 15.043 min
Delta R.T.: -0.013 min
Response: 996261
Conc: 7.77 ug/ml

Instrument :
FID_G
ClientSampleId :
EX-11-TPH-6

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG020625\
Data File : FG015321.D
Signal(s) : FID1A.ch
Acq On : 06 Feb 2025 15:29
Sample : Q1308-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.373	4.356	4.397	BV	84	718	0.07%	0.011%
2	4.402	4.397	4.408	PV	163	481	0.05%	0.007%
3	4.430	4.408	4.458	VV	357	4533	0.45%	0.071%
4	4.474	4.458	4.509	VV	334	5136	0.51%	0.080%
5	4.538	4.509	4.544	VV	435	5402	0.54%	0.084%
6	4.557	4.544	4.584	VV	743	11868	1.18%	0.185%
7	4.589	4.584	4.595	VV	452	2377	0.24%	0.037%
8	4.601	4.595	4.630	VV	427	6203	0.62%	0.097%
9	4.639	4.630	4.653	VV	287	1921	0.19%	0.030%
10	4.664	4.653	4.670	VV	221	1284	0.13%	0.020%
11	4.693	4.670	4.735	PV	2069	32522	3.23%	0.507%
12	4.749	4.735	4.807	VV	545	11281	1.12%	0.176%
13	4.825	4.807	4.834	VV	507	4981	0.49%	0.078%
14	4.851	4.834	4.864	VV	545	6722	0.67%	0.105%
15	4.884	4.864	4.913	VV	477	10235	1.02%	0.159%
16	4.927	4.913	4.944	VV	739	9176	0.91%	0.143%
17	4.957	4.944	4.973	VV	557	8284	0.82%	0.129%
18	5.001	4.973	5.030	VV	994	19065	1.89%	0.297%
19	5.048	5.030	5.092	VV	743	14244	1.41%	0.222%
20	5.117	5.092	5.136	VV	357	6193	0.61%	0.096%
21	5.155	5.136	5.169	VV	396	5239	0.52%	0.082%
22	5.198	5.169	5.214	VV	534	8946	0.89%	0.139%
23	5.224	5.214	5.230	VV	336	2690	0.27%	0.042%
24	5.245	5.230	5.279	VV	447	6858	0.68%	0.107%
25	5.298	5.279	5.313	PV	794	9194	0.91%	0.143%
26	5.328	5.313	5.354	VV	1613	20975	2.08%	0.327%
27	5.361	5.354	5.400	VV	451	8827	0.88%	0.138%
28	5.427	5.400	5.439	VV	317	5651	0.56%	0.088%
29	5.460	5.439	5.473	VV	689	8651	0.86%	0.135%
30	5.486	5.473	5.514	VV	1238	17581	1.74%	0.274%
31	5.522	5.514	5.540	VV	481	5307	0.53%	0.083%
32	5.557	5.540	5.570	VV	603	6814	0.68%	0.106%
33	5.595	5.570	5.615	VV	542	9748	0.97%	0.152%
34	5.619	5.615	5.638	VV	432	3481	0.35%	0.054%
35	5.646	5.638	5.661	VV	298	2910	0.29%	0.045%
36	5.677	5.661	5.684	VV	1399	12315	1.22%	0.192%

					rteres			
37	5.693	5.684	5.705	VV	1363	13558	1.35%	0.211%
38	5.719	5.705	5.795	VV	4533	66867	6.64%	1.042%
39	5.807	5.795	5.830	VV	534	7688	0.76%	0.120%
40	5.870	5.830	5.897	VV	1968	33054	3.28%	0.515%
41	5.907	5.897	5.915	VV	568	4373	0.43%	0.068%
42	5.919	5.915	5.923	VV	466	2404	0.24%	0.037%
43	5.929	5.923	5.940	VV	505	4876	0.48%	0.076%
44	5.949	5.940	5.957	VV	585	5111	0.51%	0.080%
45	5.973	5.957	5.986	VV	1992	23203	2.30%	0.361%
46	5.994	5.986	6.019	VV	1416	20611	2.05%	0.321%
47	6.027	6.019	6.041	VV	879	9432	0.94%	0.147%
48	6.056	6.041	6.084	VV	1060	17044	1.69%	0.266%
49	6.098	6.084	6.102	VV	519	4856	0.48%	0.076%
50	6.118	6.102	6.145	VV	812	13536	1.34%	0.211%
51	6.164	6.145	6.182	VV	941	11687	1.16%	0.182%
52	6.219	6.182	6.237	VV	955	17251	1.71%	0.269%
53	6.250	6.237	6.284	VV	846	17842	1.77%	0.278%
54	6.291	6.284	6.335	VV	856	15668	1.56%	0.244%
55	6.354	6.335	6.375	VV	751	12472	1.24%	0.194%
56	6.403	6.375	6.422	VV	1169	21306	2.11%	0.332%
57	6.439	6.422	6.465	VV	902	18575	1.84%	0.289%
58	6.485	6.465	6.499	VV	1034	14400	1.43%	0.224%
59	6.524	6.499	6.539	VV	1181	20641	2.05%	0.322%
60	6.556	6.539	6.575	VV	1396	20039	1.99%	0.312%
61	6.592	6.575	6.618	VV	1060	19570	1.94%	0.305%
62	6.636	6.618	6.652	VV	1068	17309	1.72%	0.270%
63	6.661	6.652	6.719	VV	811	23238	2.31%	0.362%
64	6.738	6.719	6.773	VV	858	21353	2.12%	0.333%
65	6.798	6.773	6.834	VV	2709	45538	4.52%	0.709%
66	6.844	6.834	6.855	VV	925	9904	0.98%	0.154%
67	6.884	6.855	6.899	VV	1108	24658	2.45%	0.384%
68	6.907	6.899	6.935	VV	1095	16358	1.62%	0.255%
69	7.001	6.935	7.021	VV	1418	37099	3.68%	0.578%
70	7.048	7.021	7.094	VV	1374	36867	3.66%	0.574%
71	7.123	7.094	7.147	VV	1481	29769	2.95%	0.464%
72	7.190	7.147	7.197	VV	1180	24078	2.39%	0.375%
73	7.208	7.197	7.235	VV	1283	25699	2.55%	0.400%
74	7.254	7.235	7.275	VV	1478	27534	2.73%	0.429%
75	7.292	7.275	7.325	VV	1622	31857	3.16%	0.496%
76	7.354	7.325	7.419	VV	1472	54372	5.40%	0.847%
77	7.443	7.419	7.474	VV	5106	75588	7.50%	1.177%
78	7.492	7.474	7.523	VV	5637	76211	7.56%	1.187%
79	7.541	7.523	7.560	VV	1542	24689	2.45%	0.385%
80	7.571	7.560	7.587	VV	908	13164	1.31%	0.205%
81	7.591	7.587	7.599	VV	731	5245	0.52%	0.082%
82	7.632	7.599	7.659	VV	1266	36632	3.64%	0.571%
83	7.673	7.659	7.700	VV	1083	21125	2.10%	0.329%
84	7.732	7.700	7.773	VV	1160	39811	3.95%	0.620%
85	7.805	7.773	7.820	VV	859	21364	2.12%	0.333%
86	7.849	7.820	7.878	VV	1351	33986	3.37%	0.529%
87	7.893	7.878	7.914	VV	1005	16328	1.62%	0.254%
88	7.933	7.914	7.943	VV	861	12737	1.26%	0.198%
89	7.958	7.943	7.974	VV	1201	18305	1.82%	0.285%

					rteres			
90	7.989	7.974	7.994	VV	1029	11178	1.11%	0.174%
91	8.011	7.994	8.030	VV	1391	23000	2.28%	0.358%
92	8.040	8.030	8.072	VV	786	17346	1.72%	0.270%
93	8.102	8.072	8.122	VV	1801	34646	3.44%	0.540%
94	8.140	8.122	8.174	VV	1048	29143	2.89%	0.454%
95	8.177	8.174	8.182	VV	812	3831	0.38%	0.060%
96	8.186	8.182	8.216	VV	867	16254	1.61%	0.253%
97	8.256	8.216	8.268	VV	1384	34279	3.40%	0.534%
98	8.282	8.268	8.328	VV	1471	37330	3.70%	0.581%
99	8.373	8.328	8.406	VV	4528	90696	9.00%	1.413%
100	8.427	8.406	8.448	VV	1276	27548	2.73%	0.429%
101	8.474	8.448	8.491	VV	2888	48761	4.84%	0.760%
102	8.502	8.491	8.526	VV	2048	33355	3.31%	0.520%
103	8.552	8.526	8.581	VV	1796	44203	4.39%	0.689%
104	8.586	8.581	8.613	VV	1037	18786	1.86%	0.293%
105	8.648	8.613	8.670	VV	1627	43230	4.29%	0.673%
106	8.675	8.670	8.693	VV	1003	12452	1.24%	0.194%
107	8.713	8.693	8.732	VV	2828	41430	4.11%	0.645%
108	8.751	8.732	8.763	VV	1210	19363	1.92%	0.302%
109	8.772	8.763	8.790	VV	1175	16015	1.59%	0.249%
110	8.804	8.790	8.820	VV	1088	16856	1.67%	0.263%
111	8.848	8.820	8.874	VV	987	26580	2.64%	0.414%
112	8.886	8.874	8.896	VV	809	9759	0.97%	0.152%
113	8.915	8.896	8.930	VV	1438	21294	2.11%	0.332%
114	8.948	8.930	8.966	VV	1178	22791	2.26%	0.355%
115	8.970	8.966	8.975	VV	873	4253	0.42%	0.066%
116	8.980	8.975	8.995	VV	927	10473	1.04%	0.163%
117	9.014	8.995	9.044	VV	2254	42958	4.26%	0.669%
118	9.078	9.044	9.087	VV	2631	43118	4.28%	0.672%
119	9.098	9.087	9.141	VV	2913	49718	4.93%	0.774%
120	9.154	9.141	9.162	VV	880	9809	0.97%	0.153%
121	9.174	9.162	9.191	VV	1001	15725	1.56%	0.245%
122	9.207	9.191	9.228	VV	1335	23338	2.32%	0.364%
123	9.245	9.228	9.265	VV	1244	22051	2.19%	0.343%
124	9.279	9.265	9.285	VV	1016	11174	1.11%	0.174%
125	9.304	9.285	9.315	VV	1197	19530	1.94%	0.304%
126	9.328	9.315	9.349	VV	1251	20798	2.06%	0.324%
127	9.352	9.349	9.356	VV	948	3918	0.39%	0.061%
128	9.378	9.356	9.405	VV	1649	36880	3.66%	0.574%
129	9.418	9.405	9.456	VV	1713	34091	3.38%	0.531%
130	9.472	9.456	9.496	VV	861	15004	1.49%	0.234%
131	9.533	9.496	9.550	VV	1323	25561	2.54%	0.398%
132	9.564	9.550	9.603	VV	1062	22446	2.23%	0.350%
133	9.611	9.603	9.634	VV	653	10100	1.00%	0.157%
134	9.671	9.634	9.699	VV	1343	32085	3.18%	0.500%
135	9.713	9.699	9.736	VV	964	16055	1.59%	0.250%
136	9.757	9.736	9.809	VV	1480	40311	4.00%	0.628%
137	9.834	9.809	9.873	VV	1576	34161	3.39%	0.532%
138	9.877	9.873	9.893	VV	635	6621	0.66%	0.103%
139	9.930	9.893	9.953	VV	926	24104	2.39%	0.375%
140	9.958	9.953	9.978	VV	704	8405	0.83%	0.131%
141	9.997	9.978	10.010	VV	964	13959	1.39%	0.217%

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142	10.033	10.010	10.068	VV	38675	425262	42.21%	6.624%
143	10.080	10.068	10.126	VV	1013	30909	3.07%	0.481%
144	10.130	10.126	10.150	VV	811	9522	0.95%	0.148%
145	10.170	10.150	10.221	VV	1440	34739	3.45%	0.541%
146	10.238	10.221	10.256	VV	521	9405	0.93%	0.147%
147	10.274	10.256	10.310	VV	783	14474	1.44%	0.225%
148	10.327	10.310	10.331	VV	406	3906	0.39%	0.061%
149	10.344	10.331	10.367	VV	524	8476	0.84%	0.132%
150	10.381	10.367	10.422	VV	275	6077	0.60%	0.095%
151	10.446	10.422	10.457	VV	276	3635	0.36%	0.057%
152	10.461	10.457	10.464	VV	178	728	0.07%	0.011%
153	10.507	10.464	10.538	VV	2215	35430	3.52%	0.552%
154	10.560	10.538	10.587	VV	1429	22811	2.26%	0.355%
155	10.611	10.587	10.627	VV	752	13537	1.34%	0.211%
156	10.639	10.627	10.664	VV	879	13412	1.33%	0.209%
157	10.681	10.664	10.704	VV	713	11740	1.17%	0.183%
158	10.709	10.704	10.743	VV	521	8641	0.86%	0.135%
159	10.762	10.743	10.795	VV	612	13138	1.30%	0.205%
160	10.841	10.795	10.851	VV	628	15059	1.49%	0.235%
161	10.866	10.851	10.874	VV	621	7111	0.71%	0.111%
162	10.889	10.874	10.900	VV	621	8503	0.84%	0.132%
163	10.914	10.900	10.948	VV	879	18573	1.84%	0.289%
164	10.985	10.948	11.021	VV	1782	35713	3.54%	0.556%
165	11.026	11.021	11.030	VV	327	1724	0.17%	0.027%
166	11.038	11.030	11.041	VV	431	2578	0.26%	0.040%
167	11.045	11.041	11.080	VV	419	5754	0.57%	0.090%
168	11.088	11.080	11.093	PV	156	713	0.07%	0.011%
169	11.135	11.093	11.149	VV	407	8039	0.80%	0.125%
170	11.164	11.149	11.175	VV	703	8160	0.81%	0.127%
171	11.189	11.175	11.220	VV	1269	18335	1.82%	0.286%
172	11.244	11.220	11.279	VV	576	11622	1.15%	0.181%
173	11.304	11.279	11.325	VV	338	6089	0.60%	0.095%
174	11.340	11.325	11.352	VV	238	2750	0.27%	0.043%
175	11.354	11.352	11.362	VV	236	1043	0.10%	0.016%
176	11.367	11.362	11.418	VV	259	5088	0.50%	0.079%
177	11.431	11.418	11.437	VV	207	1689	0.17%	0.026%
178	11.443	11.437	11.446	VV	217	917	0.09%	0.014%
179	11.450	11.446	11.457	VV	202	1194	0.12%	0.019%
180	11.477	11.457	11.501	VV	420	6601	0.66%	0.103%
181	11.555	11.501	11.579	VV	480	13396	1.33%	0.209%
182	11.592	11.579	11.601	VV	369	3823	0.38%	0.060%
183	11.619	11.601	11.669	VV	768	15831	1.57%	0.247%
184	11.701	11.669	11.741	VV	1322	28701	2.85%	0.447%
185	11.774	11.741	11.799	PV	499	7972	0.79%	0.124%
186	11.818	11.799	11.844	VV	513	7842	0.78%	0.122%
187	11.883	11.844	11.919	VV	991	19667	1.95%	0.306%
188	11.924	11.919	11.944	VV	315	3754	0.37%	0.058%
189	11.970	11.944	11.989	VV	506	8736	0.87%	0.136%
190	12.004	11.989	12.022	VV	473	6341	0.63%	0.099%
191	12.042	12.022	12.062	VV	1049	15710	1.56%	0.245%
192	12.065	12.062	12.070	VV	450	1915	0.19%	0.030%
193	12.072	12.070	12.092	VV	411	4490	0.45%	0.070%
194	12.119	12.092	12.138	VV	473	9336	0.93%	0.145%

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195	12.151	12.138	12.187	VV	399	6320	0.63%	0.098%
196	12.196	12.187	12.205	VV	97	812	0.08%	0.013%
197	12.230	12.205	12.249	VV	340	5504	0.55%	0.086%
198	12.296	12.249	12.334	VV	753	21318	2.12%	0.332%
199	12.347	12.334	12.363	VV	282	2835	0.28%	0.044%
200	12.386	12.363	12.409	VV	681	10970	1.09%	0.171%
201	12.453	12.409	12.475	VV	314	8428	0.84%	0.131%
202	12.483	12.475	12.488	VV	258	1494	0.15%	0.023%
203	12.491	12.488	12.499	VV	241	1267	0.13%	0.020%
204	12.540	12.499	12.608	VV	36629	433538	43.03%	6.753%
205	12.628	12.608	12.639	VV	708	11197	1.11%	0.174%
206	12.656	12.639	12.687	VV	753	16536	1.64%	0.258%
207	12.694	12.687	12.705	VV	432	4019	0.40%	0.063%
208	12.718	12.705	12.742	VV	516	9155	0.91%	0.143%
209	12.762	12.742	12.821	VV	587	17184	1.71%	0.268%
210	12.874	12.821	12.902	VV	895	23753	2.36%	0.370%
211	12.937	12.902	12.971	VV	1148	24194	2.40%	0.377%
212	13.001	12.971	13.063	VV	1691	35712	3.54%	0.556%
213	13.067	13.063	13.073	VV	140	620	0.06%	0.010%
214	13.091	13.073	13.107	VV	215	2493	0.25%	0.039%
215	13.129	13.107	13.149	VV	217	2833	0.28%	0.044%
216	13.174	13.149	13.179	VV	415	4193	0.42%	0.065%
217	13.182	13.179	13.186	VV	444	1763	0.17%	0.027%
218	13.189	13.186	13.222	VV	394	4385	0.44%	0.068%
219	13.248	13.222	13.269	VV	238	3653	0.36%	0.057%
220	13.292	13.269	13.314	PV	731	9894	0.98%	0.154%
221	13.341	13.314	13.415	VV	1651	37555	3.73%	0.585%
222	13.437	13.415	13.466	VV	320	7375	0.73%	0.115%
223	13.496	13.466	13.525	VV	449	8379	0.83%	0.131%
224	13.553	13.525	13.597	PV	869	21739	2.16%	0.339%
225	13.623	13.597	13.665	VV	716	18519	1.84%	0.288%
226	13.681	13.665	13.686	VV	279	3137	0.31%	0.049%
227	13.690	13.686	13.703	VV	280	2142	0.21%	0.033%
228	13.735	13.703	13.741	VV	345	5589	0.55%	0.087%
229	13.747	13.741	13.757	VV	372	2792	0.28%	0.043%
230	13.777	13.757	13.807	VV	2755	37853	3.76%	0.590%
231	13.813	13.807	13.829	VV	337	3060	0.30%	0.048%
232	13.832	13.829	13.846	VV	395	1940	0.19%	0.030%
233	13.852	13.846	13.872	VV	197	1861	0.18%	0.029%
234	13.884	13.872	13.909	VV	308	3980	0.40%	0.062%
235	13.957	13.909	13.974	VV	317	7588	0.75%	0.118%
236	13.997	13.974	14.010	VV	321	5454	0.54%	0.085%
237	14.015	14.010	14.021	VV	221	1191	0.12%	0.019%
238	14.028	14.021	14.036	VV	218	1713	0.17%	0.027%
239	14.039	14.036	14.047	VV	208	1265	0.13%	0.020%
240	14.089	14.047	14.111	VV	719	13431	1.33%	0.209%
241	14.140	14.111	14.185	VV	1021	18556	1.84%	0.289%
242	14.202	14.185	14.218	VV	275	3220	0.32%	0.050%
243	14.258	14.218	14.281	VV	380	7045	0.70%	0.110%
244	14.290	14.281	14.295	VV	116	624	0.06%	0.010%
245	14.298	14.295	14.312	VV	78	386	0.04%	0.006%
246	14.342	14.312	14.348	PV	179	1947	0.19%	0.030%

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247	14.365	14.348	14.401	VV	308	5314	0.53%	0.083%
248	14.426	14.401	14.465	PV	173	3302	0.33%	0.051%
249	14.474	14.465	14.481	VV	164	1069	0.11%	0.017%
250	14.500	14.481	14.514	VV	436	5852	0.58%	0.091%
251	14.537	14.514	14.583	VV	748	17402	1.73%	0.271%
252	14.616	14.583	14.640	VV	327	7104	0.71%	0.111%
253	14.648	14.640	14.677	VV	290	4039	0.40%	0.063%
254	14.703	14.677	14.747	VV	972	17328	1.72%	0.270%
255	14.753	14.747	14.757	VV	288	1414	0.14%	0.022%
256	14.765	14.757	14.777	VV	321	3213	0.32%	0.050%
257	14.782	14.777	14.787	VV	301	1527	0.15%	0.024%
258	14.803	14.787	14.817	VV	446	6319	0.63%	0.098%
259	14.823	14.817	14.850	VV	376	5294	0.53%	0.082%
260	14.866	14.850	14.887	VV	262	3970	0.39%	0.062%
261	14.923	14.887	14.951	VV	381	8044	0.80%	0.125%
262	14.982	14.951	15.005	VV	262	5893	0.58%	0.092%
263	15.043	15.005	15.096	VV	72572	1007567	100.00%	15.695%
264	15.098	15.096	15.117	VV	403	2956	0.29%	0.046%
265	15.134	15.117	15.153	VV	296	4090	0.41%	0.064%
266	15.158	15.153	15.162	VV	62	312	0.03%	0.005%
267	15.165	15.162	15.167	VV	88	201	0.02%	0.003%
268	15.223	15.167	15.237	VV	1343	25709	2.55%	0.400%
269	15.246	15.237	15.269	VV	1158	12957	1.29%	0.202%
270	15.290	15.269	15.311	VV	535	7989	0.79%	0.124%
271	15.315	15.311	15.331	VV	168	1522	0.15%	0.024%
272	15.346	15.331	15.360	VV	235	2843	0.28%	0.044%
273	15.365	15.360	15.374	VV	143	966	0.10%	0.015%
274	15.392	15.374	15.413	VV	227	2689	0.27%	0.042%
275	15.446	15.413	15.471	VV	252	4130	0.41%	0.064%
276	15.495	15.471	15.499	PV	142	1366	0.14%	0.021%
277	15.502	15.499	15.511	VV	133	590	0.06%	0.009%
278	15.514	15.511	15.528	VV	73	481	0.05%	0.007%
279	15.545	15.528	15.571	PV	131	1584	0.16%	0.025%
280	15.588	15.571	15.595	VV	114	1286	0.13%	0.020%
281	15.629	15.595	15.711	VV	11214	206246	20.47%	3.213%
282	15.728	15.711	15.742	VV	409	6006	0.60%	0.094%
283	15.771	15.742	15.811	VV	1374	25199	2.50%	0.393%
284	15.839	15.811	15.881	VV	1476	23511	2.33%	0.366%
285	15.901	15.881	15.929	VV	344	5796	0.58%	0.090%
286	15.938	15.929	15.952	VV	177	1647	0.16%	0.026%
287	15.959	15.952	15.984	VV	164	2144	0.21%	0.033%
288	16.004	15.984	16.009	VV	193	1838	0.18%	0.029%
289	16.018	16.009	16.022	VV	267	1514	0.15%	0.024%
290	16.065	16.022	16.109	VV	342	11292	1.12%	0.176%
291	16.157	16.109	16.189	VV	485	13801	1.37%	0.215%
292	16.197	16.189	16.221	VV	254	3489	0.35%	0.054%
293	16.235	16.221	16.252	VV	358	5015	0.50%	0.078%
294	16.273	16.252	16.303	VV	1525	21333	2.12%	0.332%
295	16.333	16.303	16.351	VV	195	4488	0.45%	0.070%
296	16.357	16.351	16.365	VV	104	541	0.05%	0.008%
297	16.376	16.365	16.384	PV	94	571	0.06%	0.009%
298	16.389	16.384	16.393	PV	113	404	0.04%	0.006%
299	16.407	16.393	16.431	VV	163	1795	0.18%	0.028%

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300	16.450	16.431	16.454	VV	229	2085	0.21%	0.032%
301	16.467	16.454	16.499	VV	255	3056	0.30%	0.048%
302	16.526	16.499	16.534	VV	109	672	0.07%	0.010%
303	16.613	16.534	16.624	PV	277	8031	0.80%	0.125%
304	16.651	16.624	16.694	VV	1054	20941	2.08%	0.326%
305	16.721	16.694	16.732	VV	631	9626	0.96%	0.150%
306	16.757	16.732	16.807	VV	1935	31131	3.09%	0.485%
307	16.837	16.807	16.859	PV	636	10693	1.06%	0.167%
308	16.884	16.859	16.909	VV	878	14295	1.42%	0.223%
309	16.923	16.909	16.946	VV	276	4862	0.48%	0.076%
310	16.991	16.946	17.006	VV	268	6586	0.65%	0.103%
311	17.066	17.006	17.087	VV	426	12266	1.22%	0.191%
312	17.121	17.087	17.157	VV	490	13070	1.30%	0.204%
313	17.225	17.157	17.254	VV	2850	54372	5.40%	0.847%
314	17.273	17.254	17.289	VV	546	8389	0.83%	0.131%
315	17.300	17.289	17.341	VV	378	5866	0.58%	0.091%
316	17.377	17.341	17.401	PBA	181	6229	0.62%	0.097%
				Sum of corrected areas:		6419612		

FG011325.M Fri Feb 07 04:13:17 2025

Report of Analysis

Client:	ENTACT		Date Collected:	02/05/25	
Project:	North Point - 4101 Arthur Kill Rd - E9306		Date Received:	02/05/25	
Client Sample ID:	EX-11-TPH-7		SDG No.:	Q1308	
Lab Sample ID:	Q1308-06		Matrix:	SOIL	
Analytical Method:	8015D DRO		% Solid:	84.8	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
FG015348.D	200	02/06/25 09:15	02/07/25 8:45	PB166587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	2650000		43500	392000	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\FG020725\
Data File : FG015348.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 08:45
Operator : YP\AJ
Sample : Q1308-06 200X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-11-TPH-7

Integration File: autoint1.e
Quant Time: Feb 08 05:51:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Quant Title :
QLast Update : Fri Jan 24 12:51:39 2025
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

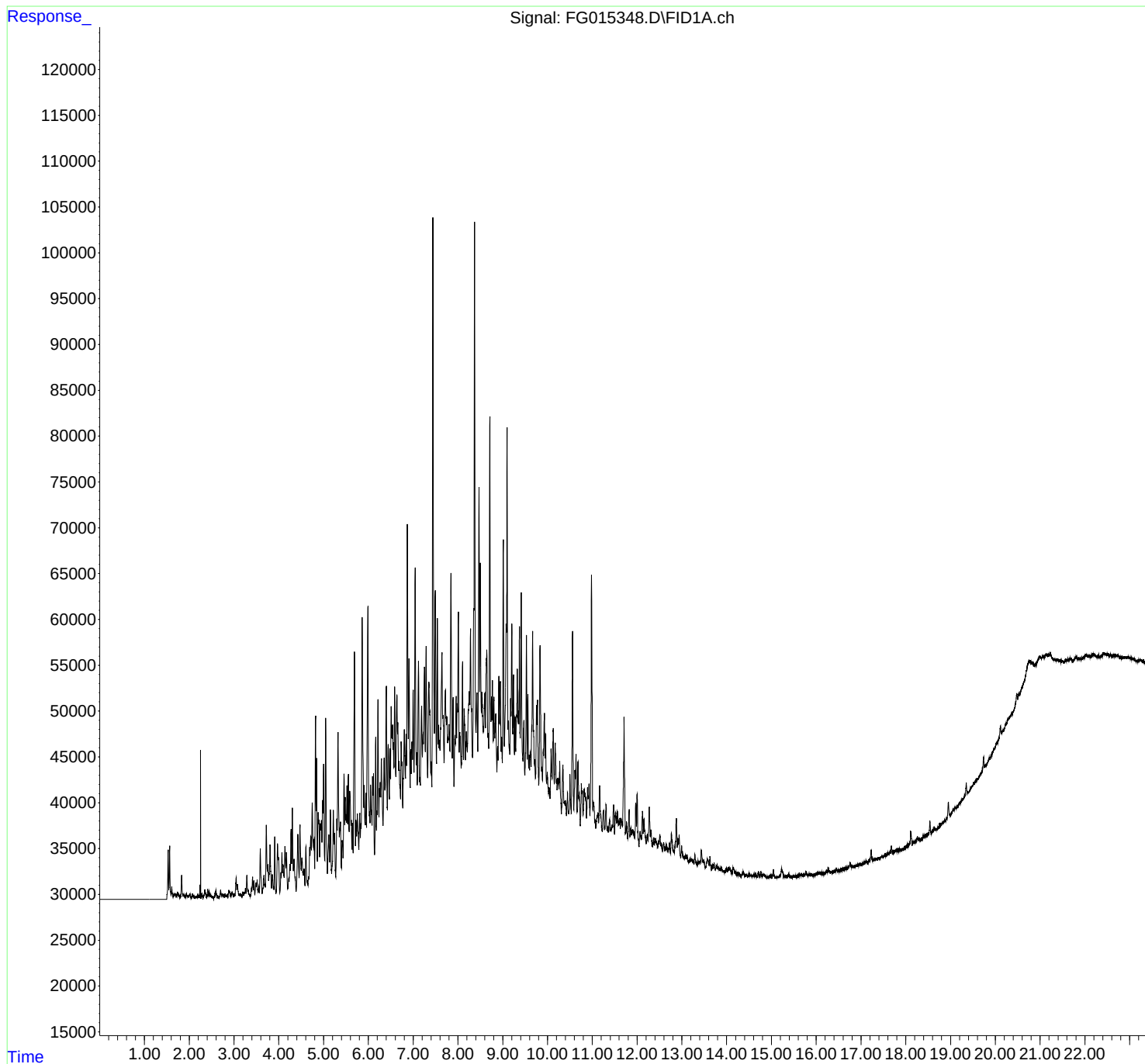
(m)=manual int.

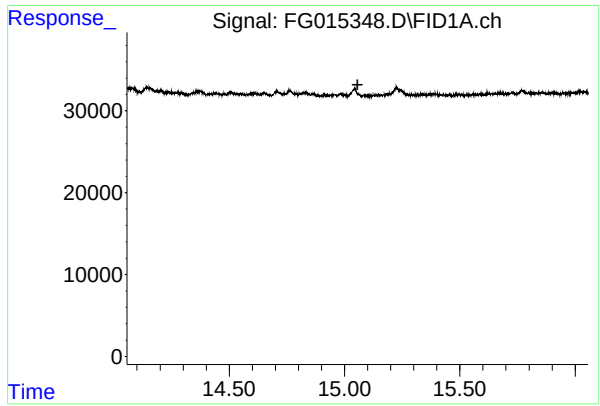
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG020725\
Data File : FG015348.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 08:45
Operator : YP\AJ
Sample : Q1308-06 200X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-11-TPH-7

Integration File: autoint1.e
Quant Time: Feb 08 05:51:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Quant Title :
QLast Update : Fri Jan 24 12:51:39 2025
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.: 15.056 min
Response: 0
Conc: N.D.

Instrument :
FID_G
ClientSampleId :
EX-11-TPH-7

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG020725\
 Data File : FG015348.D
 Signal(s) : FID1A.ch
 Acq On : 07 Feb 2025 08:45
 Sample : Q1308-06 200X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
 Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.369	4.350	4.387	BV	370	934	0.08%	0.002%
2	4.426	4.387	4.455	PV	6168	114133	9.29%	0.241%
3	4.473	4.455	4.500	VV	7241	114292	9.30%	0.241%
4	4.516	4.500	4.542	VV	3576	70281	5.72%	0.148%
5	4.565	4.542	4.583	VV	2293	42769	3.48%	0.090%
6	4.605	4.583	4.650	VV	4837	84102	6.84%	0.177%
7	4.668	4.650	4.672	VV	1478	15416	1.25%	0.033%
8	4.690	4.672	4.699	VV	4771	54178	4.41%	0.114%
9	4.713	4.699	4.729	VV	5851	90642	7.38%	0.191%
10	4.747	4.729	4.777	VV	9589	189229	15.40%	0.399%
11	4.788	4.777	4.803	VV	5581	69058	5.62%	0.146%
12	4.821	4.803	4.833	VV	18943	211196	17.19%	0.446%
13	4.843	4.833	4.861	VV	14456	154526	12.58%	0.326%
14	4.880	4.861	4.892	VV	8447	125420	10.21%	0.265%
15	4.896	4.892	4.913	VV	7699	76166	6.20%	0.161%
16	4.927	4.913	4.938	VV	7269	92843	7.56%	0.196%
17	4.952	4.938	4.964	VV	7633	107661	8.76%	0.227%
18	4.979	4.964	4.988	VV	9820	114375	9.31%	0.241%
19	5.001	4.988	5.026	VV	13775	195649	15.92%	0.413%
20	5.048	5.026	5.086	VV	18752	295206	24.03%	0.623%
21	5.118	5.086	5.134	VV	6030	121503	9.89%	0.256%
22	5.154	5.134	5.180	VV	8640	134028	10.91%	0.283%
23	5.219	5.180	5.233	VV	8730	151856	12.36%	0.320%
24	5.245	5.233	5.270	VV	6220	95586	7.78%	0.202%
25	5.296	5.270	5.304	VV	7756	98826	8.04%	0.209%
26	5.323	5.304	5.354	VV	17085	312037	25.40%	0.658%
27	5.377	5.354	5.397	VV	7327	149308	12.15%	0.315%
28	5.415	5.397	5.436	VV	5402	104323	8.49%	0.220%
29	5.458	5.436	5.471	VV	12624	180800	14.71%	0.381%
30	5.482	5.471	5.493	VV	10073	116151	9.45%	0.245%
31	5.499	5.493	5.508	VV	8091	69421	5.65%	0.146%
32	5.523	5.508	5.537	VV	11354	159258	12.96%	0.336%
33	5.553	5.537	5.569	VV	12622	191337	15.57%	0.404%
34	5.585	5.569	5.613	VV	10658	235594	19.17%	0.497%
35	5.618	5.613	5.633	VV	7364	78708	6.41%	0.166%
36	5.646	5.633	5.659	VV	7232	91365	7.44%	0.193%

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37	5.691	5.659	5.712	VV	25945	447016	36.38%	0.943%
38	5.725	5.712	5.737	VV	7458	96678	7.87%	0.204%
39	5.755	5.737	5.786	VV	8253	191865	15.62%	0.405%
40	5.808	5.786	5.822	VV	8332	142457	11.59%	0.301%
41	5.834	5.822	5.840	VV	7122	72665	5.91%	0.153%
42	5.862	5.840	5.898	VV	29532	568479	46.27%	1.199%
43	5.906	5.898	5.930	VV	11340	174606	14.21%	0.368%
44	5.946	5.930	5.958	VV	10438	144809	11.79%	0.306%
45	5.990	5.958	6.024	VV	30857	652151	53.08%	1.376%
46	6.029	6.024	6.037	VV	8415	64484	5.25%	0.136%
47	6.051	6.037	6.065	VV	11385	155395	12.65%	0.328%
48	6.070	6.065	6.081	VV	8586	79742	6.49%	0.168%
49	6.094	6.081	6.105	VV	12075	145123	11.81%	0.306%
50	6.115	6.105	6.140	VV	12586	178116	14.50%	0.376%
51	6.164	6.140	6.180	VV	16452	232369	18.91%	0.490%
52	6.192	6.180	6.196	VV	8537	73098	5.95%	0.154%
53	6.215	6.196	6.235	VV	20570	318555	25.93%	0.672%
54	6.248	6.235	6.257	VV	10895	129984	10.58%	0.274%
55	6.266	6.257	6.276	VV	11635	125241	10.19%	0.264%
56	6.291	6.276	6.329	VV	14203	339032	27.59%	0.715%
57	6.353	6.329	6.371	VV	14264	283290	23.06%	0.598%
58	6.401	6.371	6.424	VV	22113	467555	38.05%	0.986%
59	6.443	6.424	6.469	VV	15701	347706	28.30%	0.734%
60	6.484	6.469	6.495	VV	15143	200790	16.34%	0.424%
61	6.510	6.495	6.526	VV	19840	315969	25.72%	0.667%
62	6.541	6.526	6.553	VV	17756	265236	21.59%	0.560%
63	6.557	6.553	6.571	VV	15902	158294	12.88%	0.334%
64	6.588	6.571	6.613	VV	21836	417107	33.95%	0.880%
65	6.636	6.613	6.651	VV	20869	407615	33.17%	0.860%
66	6.658	6.651	6.677	VV	18055	245708	20.00%	0.518%
67	6.686	6.677	6.703	VV	13814	197298	16.06%	0.416%
68	6.707	6.703	6.719	VV	11221	107180	8.72%	0.226%
69	6.734	6.719	6.745	VV	15929	212850	17.32%	0.449%
70	6.750	6.745	6.768	VV	13765	158017	12.86%	0.333%
71	6.804	6.768	6.828	VV	17251	488631	39.77%	1.031%
72	6.843	6.828	6.854	VV	16773	225779	18.38%	0.476%
73	6.871	6.854	6.894	VV	39566	637648	51.90%	1.345%
74	6.909	6.894	6.932	VV	25026	433065	35.25%	0.914%
75	6.974	6.955	6.986	VV	15891	272820	22.20%	0.576%
76	7.000	6.986	7.020	VV	21584	349695	28.46%	0.738%
77	7.046	7.020	7.072	VV	34693	669011	54.45%	1.411%
78	7.081	7.072	7.094	VV	14763	175918	14.32%	0.371%
79	7.121	7.094	7.148	VV	24671	563041	45.82%	1.188%
80	7.151	7.148	7.160	VV	12067	85748	6.98%	0.181%
81	7.189	7.160	7.208	VV	19780	456780	37.18%	0.964%
82	7.252	7.228	7.271	VV	24011	510559	41.55%	1.077%
83	7.442	7.417	7.476	VV	72931	1228689	100.00%	2.592%
84	7.542	7.521	7.559	VV	29192	478191	38.92%	1.009%
85	7.569	7.559	7.580	VV	17691	207937	16.92%	0.439%
86	7.590	7.580	7.599	VV	16036	179204	14.58%	0.378%
87	7.720	7.693	7.747	VV	21390	599486	48.79%	1.265%
88	7.757	7.747	7.770	VV	18613	244512	19.90%	0.516%
89	7.894	7.875	7.914	VV	20605	383813	31.24%	0.810%

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90	7.959	7.943	7.974	VV	20787	328900	26.77%	0.694%
91	7.986	7.974	7.994	VV	19932	225081	18.32%	0.475%
92	8.042	8.028	8.074	VV	16880	430672	35.05%	0.909%
93	8.142	8.122	8.168	VV	19149	455140	37.04%	0.960%
94	8.190	8.168	8.209	VV	16930	381719	31.07%	0.805%
95	8.282	8.265	8.326	VV	28139	742895	60.46%	1.567%
96	8.425	8.404	8.444	VV	20988	452117	36.80%	0.954%
97	8.501	8.488	8.524	VV	35037	561464	45.70%	1.185%
98	8.566	8.561	8.573	VV	17407	118761	9.67%	0.251%
99	8.646	8.616	8.669	VV	25734	702261	57.16%	1.482%
100	8.713	8.689	8.738	VV	51164	847873	69.01%	1.789%
101	8.772	8.760	8.789	VV	22335	335854	27.33%	0.709%
102	8.885	8.871	8.899	VV	15139	232059	18.89%	0.490%
103	8.947	8.930	8.966	VV	22229	428359	34.86%	0.904%
104	8.977	8.966	8.992	VV	16175	231920	18.88%	0.489%
105	9.079	9.037	9.083	VV	28403	582930	47.44%	1.230%
106	9.099	9.083	9.121	VV	49819	745658	60.69%	1.573%
107	9.177	9.160	9.188	VV	20326	297132	24.18%	0.627%
108	9.242	9.224	9.262	VV	22985	433233	35.26%	0.914%
109	9.276	9.262	9.290	VV	18282	283606	23.08%	0.598%
110	9.351	9.342	9.359	VV	18983	190379	15.49%	0.402%
111	9.374	9.359	9.390	VV	28157	409993	33.37%	0.865%
112	9.472	9.452	9.497	VV	17777	403672	32.85%	0.852%
113	9.591	9.581	9.604	VV	14130	180372	14.68%	0.381%
114	9.617	9.604	9.634	VV	14542	252575	20.56%	0.533%
115	9.649	9.634	9.653	VV	17416	174640	14.21%	0.368%
116	9.714	9.709	9.731	VV	13595	167216	13.61%	0.353%
117	9.777	9.767	9.804	VV	20133	348079	28.33%	0.734%
118	9.872	9.867	9.888	VV	12797	157836	12.85%	0.333%
119	9.905	9.888	9.912	VV	14756	188880	15.37%	0.399%
120	9.959	9.948	9.983	VV	16361	285254	23.22%	0.602%
121	9.996	9.983	10.024	VV	12208	275261	22.40%	0.581%
122	10.079	10.059	10.103	VV	14641	330142	26.87%	0.697%
123	10.129	10.103	10.152	VV	16991	414830	33.76%	0.875%
124	10.173	10.152	10.201	VV	15386	382113	31.10%	0.806%
125	10.204	10.201	10.214	VV	11213	82062	6.68%	0.173%
126	10.233	10.214	10.247	VV	11566	221766	18.05%	0.468%
127	10.248	10.247	10.255	VV	11299	54520	4.44%	0.115%
128	10.275	10.255	10.311	VV	13372	356616	29.02%	0.752%
129	10.344	10.311	10.377	VV	12978	395726	32.21%	0.835%
130	10.381	10.377	10.394	VV	8908	92300	7.51%	0.195%
131	10.402	10.394	10.425	VV	9033	154104	12.54%	0.325%
132	10.446	10.425	10.477	VV	9929	264393	21.52%	0.558%
133	10.502	10.477	10.530	VV	11769	294575	23.97%	0.621%
134	10.560	10.530	10.587	VV	27409	537296	43.73%	1.134%
135	10.612	10.587	10.623	VV	12309	230404	18.75%	0.486%
136	10.638	10.623	10.662	VV	14111	262590	21.37%	0.554%
137	10.681	10.662	10.699	VV	13295	233429	19.00%	0.492%
138	10.709	10.699	10.733	VV	9920	173190	14.10%	0.365%
139	10.757	10.733	10.769	VV	10945	200447	16.31%	0.423%
140	10.775	10.769	10.795	VV	10041	137517	11.19%	0.290%
141	10.819	10.795	10.833	VV	10336	210979	17.17%	0.445%

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142	10.838	10.833	10.873	VV	9855	212353	17.28%	0.448%
143	10.893	10.873	10.913	VV	10453	219829	17.89%	0.464%
144	10.929	10.913	10.947	VV	10851	195808	15.94%	0.413%
145	10.985	10.947	11.014	VV	33598	673962	54.85%	1.422%
146	11.032	11.014	11.080	VV	8769	299613	24.38%	0.632%
147	11.121	11.080	11.140	VV	7607	255678	20.81%	0.539%
148	11.163	11.140	11.224	VV	10584	376776	30.66%	0.795%
149	11.246	11.224	11.279	VV	7811	227820	18.54%	0.481%
150	11.306	11.279	11.332	VV	8552	218976	17.82%	0.462%
151	11.342	11.332	11.358	VV	6121	90586	7.37%	0.191%
152	11.385	11.358	11.408	VV	6924	186406	15.17%	0.393%
153	11.413	11.408	11.420	VV	5793	41535	3.38%	0.088%
154	11.446	11.420	11.455	VV	6259	126933	10.33%	0.268%
155	11.475	11.455	11.498	VV	8341	179770	14.63%	0.379%
156	11.519	11.498	11.547	VV	7651	201990	16.44%	0.426%
157	11.561	11.547	11.589	VV	7652	173984	14.16%	0.367%
158	11.614	11.589	11.629	VV	6996	155618	12.67%	0.328%
159	11.641	11.629	11.674	VV	7016	177786	14.47%	0.375%
160	11.710	11.674	11.744	VV	17886	426451	34.71%	0.900%
161	11.763	11.744	11.791	VV	6559	162839	13.25%	0.344%
162	11.822	11.791	11.845	VV	7855	198223	16.13%	0.418%
163	11.862	11.845	11.874	VV	5941	93579	7.62%	0.197%
164	11.894	11.874	11.903	VV	5699	97123	7.90%	0.205%
165	11.904	11.903	11.919	VV	5712	54985	4.48%	0.116%
166	11.927	11.919	11.944	VV	5478	78730	6.41%	0.166%
167	11.971	11.944	11.987	VV	8613	169660	13.81%	0.358%
168	12.001	11.987	12.044	VV	9594	209611	17.06%	0.442%
169	12.064	12.044	12.100	VV	5415	165004	13.43%	0.348%
170	12.120	12.100	12.136	VV	7566	133519	10.87%	0.282%
171	12.152	12.136	12.209	VV	6834	234614	19.09%	0.495%
172	12.229	12.209	12.247	VV	5104	107799	8.77%	0.227%
173	12.273	12.247	12.295	VV	8143	184147	14.99%	0.389%
174	12.309	12.295	12.348	VV	5579	148409	12.08%	0.313%
175	12.374	12.348	12.388	VV	4776	104913	8.54%	0.221%
176	12.417	12.388	12.437	VV	4742	129218	10.52%	0.273%
177	12.445	12.437	12.462	VV	4131	57545	4.68%	0.121%
178	12.475	12.462	12.486	VV	4414	59040	4.81%	0.125%
179	12.509	12.486	12.532	VV	5076	122920	10.00%	0.259%
180	12.542	12.532	12.568	VV	4182	83299	6.78%	0.176%
181	12.592	12.568	12.612	VV	4220	98846	8.04%	0.209%
182	12.625	12.612	12.637	VV	3650	52239	4.25%	0.110%
183	12.653	12.637	12.689	VV	4109	112486	9.15%	0.237%
184	12.721	12.689	12.744	VV	4145	118489	9.64%	0.250%
185	12.767	12.744	12.827	VV	5218	194182	15.80%	0.410%
186	12.877	12.827	12.895	VV	6827	185905	15.13%	0.392%
187	12.912	12.895	12.922	VV	4609	66829	5.44%	0.141%
188	12.937	12.922	12.974	VV	4991	116032	9.44%	0.245%
189	12.994	12.974	13.047	VV	3815	128828	10.48%	0.272%
190	13.052	13.047	13.066	VV	2697	28714	2.34%	0.061%
191	13.085	13.066	13.105	VV	2802	60139	4.89%	0.127%
192	13.117	13.105	13.174	VV	2813	93446	7.61%	0.197%
193	13.184	13.174	13.202	VV	2381	37788	3.08%	0.080%
194	13.209	13.202	13.230	VV	2304	37298	3.04%	0.079%

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195	13.233	13.230	13.241	VV	2203	14853	1.21%	0.031%
196	13.249	13.241	13.272	VV	2237	38338	3.12%	0.081%
197	13.289	13.272	13.340	VV	2847	87738	7.14%	0.185%
198	13.358	13.340	13.373	VV	2175	37674	3.07%	0.079%
199	13.387	13.373	13.414	VV	2020	46944	3.82%	0.099%
200	13.434	13.414	13.455	VV	3317	65846	5.36%	0.139%
201	13.459	13.455	13.463	VV	2128	9485	0.77%	0.020%
202	13.466	13.463	13.473	VV	2155	12629	1.03%	0.027%
203	13.476	13.473	13.482	VV	2122	11389	0.93%	0.024%
204	13.488	13.482	13.522	VV	2194	43861	3.57%	0.093%
205	13.564	13.522	13.608	VV	2309	96637	7.87%	0.204%
206	13.627	13.608	13.673	VV	2573	67078	5.46%	0.142%
207	13.689	13.673	13.704	VV	1739	27389	2.23%	0.058%
208	13.719	13.704	13.747	VV	1856	37462	3.05%	0.079%
209	13.776	13.747	13.804	VV	1642	46817	3.81%	0.099%
210	13.817	13.804	13.839	VV	1319	25935	2.11%	0.055%
211	13.846	13.839	13.853	VV	1176	9133	0.74%	0.019%
212	13.856	13.853	13.862	VV	1174	6185	0.50%	0.013%
213	13.883	13.862	13.909	VV	1386	31840	2.59%	0.067%
214	13.926	13.909	13.936	VV	1022	15125	1.23%	0.032%
215	13.941	13.936	13.951	VV	947	8180	0.67%	0.017%
216	13.955	13.951	13.975	VV	956	12107	0.99%	0.026%
217	13.998	13.975	14.019	VV	1221	27039	2.20%	0.057%
218	14.033	14.019	14.046	VV	1304	18728	1.52%	0.040%
219	14.053	14.046	14.070	VV	1196	15811	1.29%	0.033%
220	14.071	14.070	14.075	VV	1172	3783	0.31%	0.008%
221	14.080	14.075	14.119	VV	1174	22459	1.83%	0.047%
222	14.143	14.119	14.151	VV	1297	19706	1.60%	0.042%
223	14.157	14.151	14.193	VV	1225	22289	1.81%	0.047%
224	14.197	14.193	14.229	VV	809	14382	1.17%	0.030%
225	14.234	14.229	14.248	VV	654	6673	0.54%	0.014%
226	14.250	14.248	14.254	VV	748	2149	0.17%	0.005%
227	14.258	14.254	14.263	VV	551	2633	0.21%	0.006%
228	14.269	14.263	14.274	VV	551	3470	0.28%	0.007%
229	14.277	14.274	14.288	VV	578	4276	0.35%	0.009%
230	14.293	14.288	14.312	VV	573	5960	0.49%	0.013%
231	14.359	14.312	14.363	VV	725	14052	1.14%	0.030%
232	14.370	14.363	14.412	VV	740	15455	1.26%	0.033%
233	14.417	14.412	14.429	VV	392	3704	0.30%	0.008%
234	14.432	14.429	14.438	VV	468	2314	0.19%	0.005%
235	14.446	14.438	14.470	VV	481	7328	0.60%	0.015%
236	14.508	14.470	14.544	VV	643	18313	1.49%	0.039%
237	14.550	14.544	14.555	VV	413	2481	0.20%	0.005%
238	14.559	14.555	14.571	VV	358	2748	0.22%	0.006%
239	14.608	14.571	14.639	VV	556	14259	1.16%	0.030%
240	14.649	14.639	14.684	VV	574	8849	0.72%	0.019%
241	14.707	14.684	14.734	VV	792	13758	1.12%	0.029%
242	14.761	14.734	14.799	VV	749	17004	1.38%	0.036%
243	14.811	14.799	14.817	VV	411	3740	0.30%	0.008%
244	14.823	14.817	14.829	VV	465	2979	0.24%	0.006%
245	14.833	14.829	14.851	VV	513	5164	0.42%	0.011%
246	14.864	14.851	14.891	VV	418	5337	0.43%	0.011%

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247	14.899	14.891	14.917	VV	173	1939	0.16%	0.004%
248	14.924	14.917	14.930	VV	161	927	0.08%	0.002%
249	14.945	14.930	14.973	VV	322	4496	0.37%	0.009%
250	14.983	14.973	14.993	VV	348	3277	0.27%	0.007%
251	14.997	14.993	15.011	VV	264	1885	0.15%	0.004%
252	15.043	15.011	15.072	VV	885	14748	1.20%	0.031%
253	15.084	15.072	15.094	VV	121	1325	0.11%	0.003%
254	15.099	15.094	15.117	VV	106	935	0.08%	0.002%
255	15.126	15.117	15.142	VV	129	1524	0.12%	0.003%
256	15.148	15.142	15.157	VV	168	1185	0.10%	0.002%
257	15.171	15.157	15.177	VV	200	1592	0.13%	0.003%
258	15.183	15.177	15.202	VV	281	3889	0.32%	0.008%
259	15.225	15.202	15.286	VV	1037	26820	2.18%	0.057%
260	15.291	15.286	15.306	VV	179	1572	0.13%	0.003%
261	15.330	15.306	15.339	VV	291	3222	0.26%	0.007%
262	15.343	15.339	15.358	VV	273	1805	0.15%	0.004%
263	15.402	15.358	15.425	VV	359	7201	0.59%	0.015%
264	15.431	15.425	15.446	VV	121	1114	0.09%	0.002%
265	15.454	15.446	15.465	VV	121	1032	0.08%	0.002%
266	15.482	15.465	15.490	PV	244	1970	0.16%	0.004%
267	15.498	15.490	15.519	VV	216	2284	0.19%	0.005%
268	15.531	15.519	15.573	VV	223	3084	0.25%	0.007%
269	15.579	15.573	15.605	VV	162	2499	0.20%	0.005%
270	15.611	15.605	15.616	VV	195	909	0.07%	0.002%
271	15.629	15.616	15.660	VV	249	5513	0.45%	0.012%
272	15.667	15.660	15.713	VV	315	6528	0.53%	0.014%
273	15.727	15.713	15.744	VV	291	4072	0.33%	0.009%
274	15.769	15.744	15.823	VV	563	13303	1.08%	0.028%
275	15.858	15.823	15.875	VV	304	6374	0.52%	0.013%
276	15.902	15.875	15.941	VV	221	5240	0.43%	0.011%
277	16.022	15.941	16.034	PV	275	9291	0.76%	0.020%
278	16.041	16.034	16.064	VV	196	3497	0.28%	0.007%
279	16.083	16.064	16.149	VV	283	7943	0.65%	0.017%
280	16.162	16.149	16.170	PV	224	1422	0.12%	0.003%
281	16.273	16.170	16.319	VV	634	19893	1.62%	0.042%
282	16.328	16.319	16.354	VV	105	1922	0.16%	0.004%
283	16.373	16.354	16.382	VV	202	1242	0.10%	0.003%
284	16.413	16.382	16.432	PV	230	2720	0.22%	0.006%
285	16.451	16.432	16.492	VV	267	5717	0.47%	0.012%
286	16.594	16.492	16.632	VV	305	9286	0.76%	0.020%
287	16.663	16.632	16.689	VV	337	4759	0.39%	0.010%
288	16.754	16.689	16.784	PV	694	17153	1.40%	0.036%
289	16.791	16.784	16.827	VV	276	3411	0.28%	0.007%
290	16.892	16.827	16.904	VV	135	4619	0.38%	0.010%
291	16.923	16.904	16.934	VV	166	2145	0.17%	0.005%
292	16.979	16.934	17.004	VV	205	5102	0.42%	0.011%
293	17.038	17.004	17.045	VV	161	2294	0.19%	0.005%
294	17.121	17.045	17.150	VV	268	8891	0.72%	0.019%
295	17.178	17.150	17.200	PV	278	4863	0.40%	0.010%
296	17.226	17.200	17.276	VV	1202	20664	1.68%	0.044%
297	17.343	17.276	17.366	VV	123	3351	0.27%	0.007%
298	17.389	17.366	17.401	PBA	44	1385	0.11%	0.003%

Sum of corrected areas: 47397566

rteres

FG011325.M Sun Feb 09 23:34:57 2025

Report of Analysis

Client:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-11-TPH-8	SDG No.:	Q1308
Lab Sample ID:	Q1308-07	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	93.4
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Diesel Range Organics
GPC Factor :		Injection Volume :	
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG015349.D	50	02/06/25 09:15	02/07/25 9:14	PB166587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	770000		9890	89100	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\FG020725\
Data File : FG015349.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 09:14
Operator : YP\AJ
Sample : Q1308-07 50X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-11-TPH-8

Integration File: autoint1.e
Quant Time: Feb 08 05:51:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Quant Title :
QLast Update : Fri Jan 24 12:51:39 2025
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

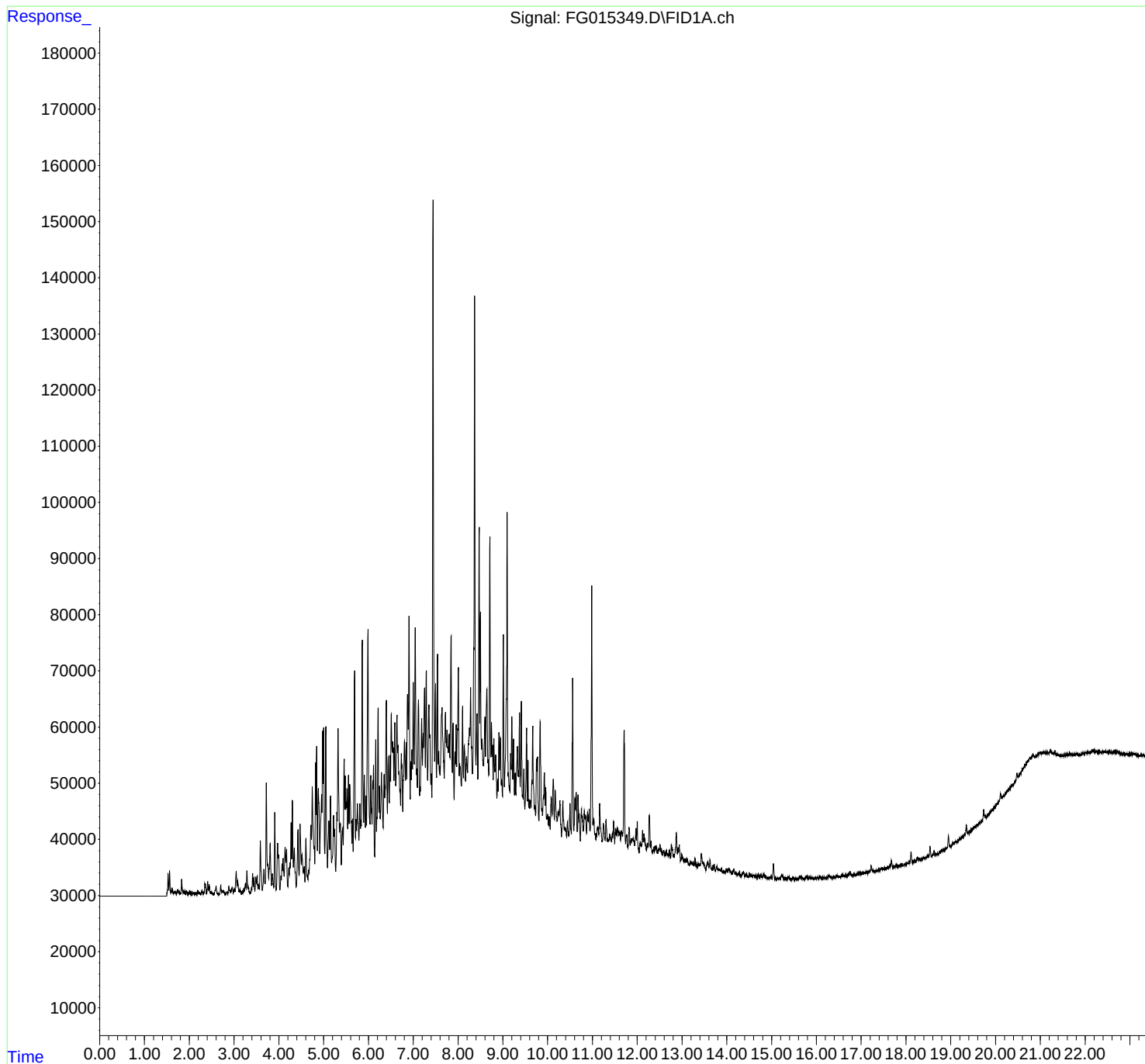
(m)=manual int.

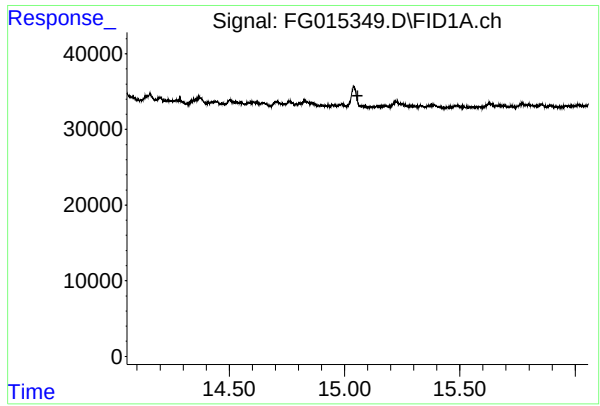
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG020725\
Data File : FG015349.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 09:14
Operator : YP\AJ
Sample : Q1308-07 50X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-11-TPH-8

Integration File: autoint1.e
Quant Time: Feb 08 05:51:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Quant Title :
QLast Update : Fri Jan 24 12:51:39 2025
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.: 15.056 min
Response: 0
Conc: N.D.

Instrument :
FID_G
ClientSampleId :
EX-11-TPH-8

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG020725\
 Data File : FG015349.D
 Signal(s) : FID1A.ch
 Acq On : 07 Feb 2025 09:14
 Sample : Q1308-07 50X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
 Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.369	4.350	4.387	BV	7	-5682	-0.28%	-0.009%
2	4.426	4.387	4.453	PV	10143	169786	8.36%	0.280%
3	4.474	4.453	4.502	VV	11150	200600	9.88%	0.331%
4	4.516	4.502	4.543	VV	5750	109999	5.42%	0.182%
5	4.566	4.543	4.583	VV	3648	65390	3.22%	0.108%
6	4.604	4.583	4.630	VV	8643	124795	6.14%	0.206%
7	4.637	4.630	4.650	VV	1949	20897	1.03%	0.035%
8	4.665	4.650	4.675	VV	2959	34865	1.72%	0.058%
9	4.715	4.675	4.729	VV	10951	222853	10.97%	0.368%
10	4.747	4.729	4.783	VV	17732	376744	18.55%	0.622%
11	4.789	4.783	4.802	VV	7234	72461	3.57%	0.120%
12	4.820	4.802	4.832	VV	22007	248866	12.25%	0.411%
13	4.843	4.832	4.861	VV	24992	285055	14.03%	0.471%
14	4.881	4.861	4.914	VV	17479	401592	19.77%	0.663%
15	4.954	4.914	4.963	VV	16327	349005	17.18%	0.576%
16	4.977	4.963	4.989	VV	27658	338223	16.65%	0.559%
17	5.001	4.989	5.027	VV	28295	375909	18.51%	0.621%
18	5.048	5.027	5.086	VV	28554	472074	23.24%	0.780%
19	5.118	5.086	5.137	VV	11646	246102	12.12%	0.406%
20	5.153	5.137	5.178	VV	16053	248396	12.23%	0.410%
21	5.221	5.178	5.234	VV	12594	249293	12.27%	0.412%
22	5.243	5.234	5.270	VV	10172	150836	7.43%	0.249%
23	5.296	5.270	5.303	VV	13247	164941	8.12%	0.272%
24	5.323	5.303	5.354	VV	28046	545570	26.86%	0.901%
25	5.372	5.354	5.395	VV	11296	224832	11.07%	0.371%
26	5.423	5.395	5.437	VV	10362	206629	10.17%	0.341%
27	5.458	5.437	5.471	VV	22543	318759	15.69%	0.526%
28	5.481	5.471	5.494	VV	19664	236141	11.63%	0.390%
29	5.502	5.494	5.508	VV	14642	114253	5.62%	0.189%
30	5.522	5.508	5.536	VV	17353	249649	12.29%	0.412%
31	5.555	5.536	5.569	VV	19684	296081	14.58%	0.489%
32	5.583	5.569	5.612	VV	18111	382414	18.83%	0.632%
33	5.618	5.612	5.633	VV	11682	129655	6.38%	0.214%
34	5.646	5.633	5.660	VV	11973	153555	7.56%	0.254%
35	5.691	5.660	5.712	VV	38347	653371	32.17%	1.079%
36	5.725	5.712	5.736	VV	11933	150095	7.39%	0.248%

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37	5.755	5.736	5.788	VV	14769	364938	17.97%	0.603%
38	5.809	5.788	5.823	VV	14529	244591	12.04%	0.404%
39	5.832	5.823	5.840	VV	11744	114384	5.63%	0.189%
40	5.862	5.840	5.894	VV	43833	762978	37.56%	1.260%
41	5.908	5.894	5.932	VV	19677	336123	16.55%	0.555%
42	5.946	5.932	5.958	VV	16028	210328	10.35%	0.347%
43	5.989	5.958	6.036	VV	45634	1078218	53.08%	1.781%
44	6.052	6.036	6.081	VV	19620	388557	19.13%	0.642%
45	6.095	6.081	6.103	VV	18680	211435	10.41%	0.349%
46	6.114	6.103	6.139	VV	21443	305150	15.02%	0.504%
47	6.163	6.139	6.180	VV	25997	364208	17.93%	0.602%
48	6.191	6.180	6.195	VV	12196	98988	4.87%	0.163%
49	6.215	6.195	6.234	VV	31686	498797	24.56%	0.824%
50	6.246	6.234	6.262	VV	17700	246964	12.16%	0.408%
51	6.400	6.365	6.424	VV	32976	768712	37.84%	1.270%
52	6.483	6.466	6.494	VV	23176	320120	15.76%	0.529%
53	6.510	6.494	6.534	VV	30593	616648	30.36%	1.018%
54	6.556	6.550	6.571	VV	24628	276942	13.63%	0.457%
55	6.587	6.571	6.612	VV	28927	558281	27.49%	0.922%
56	6.637	6.612	6.651	VV	30324	575251	28.32%	0.950%
57	6.659	6.651	6.679	VV	24872	383724	18.89%	0.634%
58	6.686	6.679	6.700	VV	20289	245585	12.09%	0.406%
59	6.707	6.700	6.719	VV	17197	179202	8.82%	0.296%
60	6.804	6.766	6.828	VV	25641	761319	37.48%	1.257%
61	6.872	6.854	6.892	VV	33985	651944	32.10%	1.077%
62	6.946	6.933	6.957	VV	21998	278709	13.72%	0.460%
63	6.972	6.957	6.985	VV	24101	378057	18.61%	0.624%
64	7.001	6.985	7.020	VV	36067	584576	28.78%	0.966%
65	7.081	7.074	7.093	VV	20763	230468	11.35%	0.381%
66	7.153	7.144	7.158	VV	17296	147872	7.28%	0.244%
67	7.221	7.207	7.230	VV	27021	335788	16.53%	0.555%
68	7.253	7.230	7.271	VV	35093	728753	35.88%	1.204%
69	7.351	7.322	7.367	VV	31933	712240	35.06%	1.176%
70	7.372	7.367	7.394	VV	26637	376936	18.56%	0.623%
71	7.442	7.417	7.479	VV	122069	2031216	100.00%	3.355%
72	7.543	7.520	7.560	VV	41025	688793	33.91%	1.138%
73	7.569	7.560	7.582	VV	23695	294297	14.49%	0.486%
74	7.590	7.582	7.602	VV	21050	245823	12.10%	0.406%
75	7.719	7.694	7.745	VV	30720	801676	39.47%	1.324%
76	7.803	7.784	7.819	VV	26758	517950	25.50%	0.855%
77	7.892	7.873	7.913	VV	28759	546370	26.90%	0.902%
78	7.932	7.913	7.943	VV	23608	368393	18.14%	0.608%
79	7.958	7.943	7.972	VV	28349	428890	21.11%	0.708%
80	8.038	8.028	8.075	VV	21545	563888	27.76%	0.931%
81	8.139	8.122	8.168	VV	24730	604852	29.78%	0.999%
82	8.255	8.213	8.269	VV	27838	836782	41.20%	1.382%
83	8.282	8.269	8.320	VV	34775	828500	40.79%	1.368%
84	8.424	8.401	8.445	VV	30274	661187	32.55%	1.092%
85	8.501	8.488	8.524	VV	48315	756079	37.22%	1.249%
86	8.537	8.524	8.567	VV	25823	605174	29.79%	1.000%
87	8.645	8.615	8.669	VV	34525	935309	46.05%	1.545%
88	8.674	8.669	8.686	VV	22019	215941	10.63%	0.357%
89	8.748	8.734	8.763	VV	28630	444530	21.88%	0.734%

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90	8.802	8.787	8.820	VV	25816	452591	22.28%	0.748%
91	8.885	8.869	8.897	VV	18705	288597	14.21%	0.477%
92	8.913	8.897	8.929	VV	26670	420107	20.68%	0.694%
93	8.975	8.966	8.992	VV	18519	265129	13.05%	0.438%
94	9.123	9.119	9.159	VV	19758	424875	20.92%	0.702%
95	9.176	9.159	9.187	VV	23103	342512	16.86%	0.566%
96	9.241	9.223	9.261	VV	25720	484562	23.86%	0.800%
97	9.275	9.261	9.292	VV	19655	326792	16.09%	0.540%
98	9.349	9.341	9.357	VV	20134	190078	9.36%	0.314%
99	9.373	9.357	9.389	VV	30433	448113	22.06%	0.740%
100	9.469	9.453	9.495	VV	20291	426354	20.99%	0.704%
101	9.562	9.549	9.579	VV	21916	316666	15.59%	0.523%
102	9.621	9.602	9.631	VV	14842	247720	12.20%	0.409%
103	9.714	9.709	9.730	VV	13805	168005	8.27%	0.277%
104	9.756	9.730	9.767	VV	22218	395249	19.46%	0.653%
105	9.874	9.869	9.886	VV	13234	133128	6.55%	0.220%
106	9.907	9.886	9.912	VV	15277	214487	10.56%	0.354%
107	9.958	9.946	9.976	VV	16988	263232	12.96%	0.435%
108	10.000	9.976	10.020	VV	12232	306647	15.10%	0.506%
109	10.034	10.020	10.058	VV	11834	244431	12.03%	0.404%
110	10.080	10.058	10.099	VV	15212	324877	15.99%	0.537%
111	10.125	10.099	10.151	VV	18378	466923	22.99%	0.771%
112	10.173	10.151	10.217	VV	16389	524524	25.82%	0.866%
113	10.232	10.217	10.242	VV	12592	182445	8.98%	0.301%
114	10.248	10.242	10.259	VV	12408	120554	5.94%	0.199%
115	10.274	10.259	10.311	VV	14621	366068	18.02%	0.605%
116	10.342	10.311	10.370	VV	14400	397634	19.58%	0.657%
117	10.376	10.370	10.394	VV	9800	133905	6.59%	0.221%
118	10.400	10.394	10.424	VV	9634	165591	8.15%	0.273%
119	10.445	10.424	10.472	VV	10938	274730	13.53%	0.454%
120	10.501	10.472	10.532	VV	14089	371153	18.27%	0.613%
121	10.559	10.532	10.586	VV	36310	664121	32.70%	1.097%
122	10.609	10.586	10.623	VV	14970	279508	13.76%	0.462%
123	10.637	10.623	10.662	VV	16038	300320	14.79%	0.496%
124	10.680	10.662	10.698	VV	15629	272461	13.41%	0.450%
125	10.706	10.698	10.732	VV	11912	202462	9.97%	0.334%
126	10.756	10.732	10.768	VV	13069	232566	11.45%	0.384%
127	10.772	10.768	10.793	VV	11872	166244	8.18%	0.275%
128	10.820	10.793	10.832	VV	12875	259377	12.77%	0.428%
129	10.842	10.832	10.870	VV	11965	249059	12.26%	0.411%
130	10.892	10.870	10.912	VV	12507	279457	13.76%	0.462%
131	10.928	10.912	10.946	VV	13059	231089	11.38%	0.382%
132	10.984	10.946	11.015	VV	52657	1002220	49.34%	1.655%
133	11.032	11.015	11.077	VV	11218	358787	17.66%	0.593%
134	11.126	11.077	11.140	VV	9831	339922	16.73%	0.561%
135	11.162	11.140	11.220	VV	14060	476025	23.44%	0.786%
136	11.246	11.220	11.282	VV	10461	324471	15.97%	0.536%
137	11.307	11.282	11.334	VV	11239	282202	13.89%	0.466%
138	11.344	11.334	11.363	VV	7658	130129	6.41%	0.215%
139	11.366	11.363	11.369	VV	7562	26947	1.33%	0.045%
140	11.390	11.369	11.417	VV	8348	230434	11.34%	0.381%
141	11.443	11.417	11.455	VV	8715	180480	8.89%	0.298%

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142	11.474	11.455	11.495	VV	10766	220918	10.88%	0.365%
143	11.514	11.495	11.543	VV	9515	248207	12.22%	0.410%
144	11.564	11.543	11.585	VV	9711	229693	11.31%	0.379%
145	11.593	11.585	11.601	VV	8775	79626	3.92%	0.132%
146	11.611	11.601	11.626	VV	8929	125358	6.17%	0.207%
147	11.644	11.626	11.675	VV	9155	253933	12.50%	0.419%
148	11.709	11.675	11.739	VV	26844	576455	28.38%	0.952%
149	11.763	11.739	11.787	VV	8425	219275	10.80%	0.362%
150	11.818	11.787	11.843	VV	9645	256835	12.64%	0.424%
151	11.858	11.843	11.870	VV	7723	114830	5.65%	0.190%
152	11.893	11.870	11.901	VV	7759	140288	6.91%	0.232%
153	11.907	11.901	11.915	VV	7701	63340	3.12%	0.105%
154	11.919	11.915	11.942	VV	7390	116920	5.76%	0.193%
155	11.970	11.942	11.984	VV	9546	199505	9.82%	0.330%
156	12.001	11.984	12.039	VV	10684	253272	12.47%	0.418%
157	12.067	12.039	12.075	VV	7072	135890	6.69%	0.224%
158	12.080	12.075	12.100	VV	6762	96669	4.76%	0.160%
159	12.120	12.100	12.134	VV	9199	165161	8.13%	0.273%
160	12.151	12.134	12.207	VV	8512	310055	15.26%	0.512%
161	12.226	12.207	12.244	VV	6802	140302	6.91%	0.232%
162	12.270	12.244	12.295	VV	11787	269488	13.27%	0.445%
163	12.308	12.295	12.348	VV	7172	190683	9.39%	0.315%
164	12.373	12.348	12.382	VV	6128	116664	5.74%	0.193%
165	12.419	12.382	12.462	VV	6348	275536	13.57%	0.455%
166	12.476	12.462	12.487	VV	5760	83105	4.09%	0.137%
167	12.509	12.487	12.527	VV	6531	143532	7.07%	0.237%
168	12.538	12.527	12.572	VV	5824	141399	6.96%	0.234%
169	12.592	12.572	12.615	VV	5449	133200	6.56%	0.220%
170	12.623	12.615	12.634	VV	5163	53404	2.63%	0.088%
171	12.651	12.634	12.697	VV	5428	187392	9.23%	0.310%
172	12.717	12.697	12.747	VV	5539	145266	7.15%	0.240%
173	12.766	12.747	12.823	VV	6320	239229	11.78%	0.395%
174	12.873	12.823	12.895	VV	8726	262590	12.93%	0.434%
175	12.910	12.895	12.922	VV	5757	89673	4.41%	0.148%
176	12.938	12.922	12.972	VV	6531	150036	7.39%	0.248%
177	12.991	12.972	13.034	VV	4830	154908	7.63%	0.256%
178	13.043	13.034	13.061	VV	3877	59316	2.92%	0.098%
179	13.079	13.061	13.102	VV	3984	90684	4.46%	0.150%
180	13.117	13.102	13.142	VV	3694	83222	4.10%	0.137%
181	13.154	13.142	13.167	VV	3150	44459	2.19%	0.073%
182	13.186	13.167	13.199	VV	3422	60906	3.00%	0.101%
183	13.210	13.199	13.229	VV	3260	57248	2.82%	0.095%
184	13.239	13.229	13.269	VV	3232	73314	3.61%	0.121%
185	13.289	13.269	13.342	VV	3898	135538	6.67%	0.224%
186	13.358	13.342	13.373	VV	2974	52386	2.58%	0.087%
187	13.387	13.373	13.404	VV	2966	53326	2.63%	0.088%
188	13.431	13.404	13.535	VV	4754	249040	12.26%	0.411%
189	13.574	13.535	13.600	VV	3334	111889	5.51%	0.185%
190	13.623	13.600	13.671	VV	3699	111827	5.51%	0.185%
191	13.688	13.671	13.701	VV	2706	42539	2.09%	0.070%
192	13.719	13.701	13.745	VV	2808	60878	3.00%	0.101%
193	13.775	13.745	13.815	VV	2534	90992	4.48%	0.150%
194	13.821	13.815	13.860	VV	2128	51264	2.52%	0.085%

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195	13.877	13.860	13.912	VV	2227	57391	2.83%	0.095%
196	13.927	13.912	13.943	VV	1688	28477	1.40%	0.047%
197	13.954	13.943	13.969	VV	1589	22787	1.12%	0.038%
198	13.991	13.969	14.020	VV	1949	53301	2.62%	0.088%
199	14.050	14.020	14.120	VV	2019	98152	4.83%	0.162%
200	14.156	14.120	14.187	VV	2014	61294	3.02%	0.101%
201	14.201	14.187	14.225	VV	1513	29401	1.45%	0.049%
202	14.237	14.225	14.257	VV	1129	21019	1.03%	0.035%
203	14.286	14.257	14.319	VV	1355	36694	1.81%	0.061%
204	14.372	14.319	14.404	VV	1483	55568	2.74%	0.092%
205	14.438	14.404	14.489	VV	1104	40473	1.99%	0.067%
206	14.502	14.489	14.566	VV	1203	40723	2.00%	0.067%
207	14.603	14.566	14.634	VV	940	30784	1.52%	0.051%
208	14.650	14.634	14.684	VV	731	17411	0.86%	0.029%
209	14.704	14.684	14.741	VV	958	24479	1.21%	0.040%
210	14.762	14.741	14.797	VV	950	23817	1.17%	0.039%
211	14.827	14.797	14.852	VV	1006	26061	1.28%	0.043%
212	14.860	14.852	14.936	VV	735	22175	1.09%	0.037%
213	14.956	14.936	14.968	VV	505	7429	0.37%	0.012%
214	14.988	14.968	15.008	VV	603	10158	0.50%	0.017%
215	15.040	15.008	15.075	VV	2852	48352	2.38%	0.080%
216	15.086	15.075	15.115	VV	362	5164	0.25%	0.009%
217	15.144	15.115	15.167	VV	214	6344	0.31%	0.010%
218	15.179	15.167	15.191	VV	344	4142	0.20%	0.007%
219	15.222	15.191	15.302	VV	1026	29622	1.46%	0.049%
220	15.329	15.302	15.355	VV	380	7346	0.36%	0.012%
221	15.387	15.355	15.433	VV	422	10449	0.51%	0.017%
222	15.487	15.433	15.536	PV	367	8430	0.42%	0.014%
223	15.548	15.536	15.567	VV	123	1289	0.06%	0.002%
224	15.586	15.567	15.600	VV	148	1841	0.09%	0.003%
225	15.627	15.600	15.665	VV	593	13301	0.65%	0.022%
226	15.671	15.665	15.710	VV	325	6127	0.30%	0.010%
227	15.724	15.710	15.742	VV	180	2324	0.11%	0.004%
228	15.771	15.742	15.823	VV	597	15436	0.76%	0.025%
229	15.853	15.823	15.876	VV	411	8138	0.40%	0.013%
230	15.893	15.876	15.924	VV	298	4337	0.21%	0.007%
231	15.986	15.924	15.996	PV	256	5391	0.27%	0.009%
232	16.022	15.996	16.050	VV	350	6237	0.31%	0.010%
233	16.081	16.050	16.117	VV	403	9175	0.45%	0.015%
234	16.125	16.117	16.135	VV	176	1309	0.06%	0.002%
235	16.144	16.135	16.170	VV	210	2446	0.12%	0.004%
236	16.238	16.170	16.249	VV	279	6338	0.31%	0.010%
237	16.270	16.249	16.350	VV	612	14222	0.70%	0.023%
238	16.359	16.350	16.392	PV	119	1513	0.07%	0.002%
239	16.462	16.392	16.497	PV	378	11175	0.55%	0.018%
240	16.501	16.497	16.533	VV	215	3021	0.15%	0.005%
241	16.566	16.533	16.587	VV	286	6540	0.32%	0.011%
242	16.594	16.587	16.639	VV	337	6790	0.33%	0.011%
243	16.661	16.639	16.687	VV	325	5623	0.28%	0.009%
244	16.723	16.687	16.732	PV	307	6160	0.30%	0.010%
245	16.753	16.732	16.788	VV	822	14465	0.71%	0.024%
246	16.802	16.788	16.823	VV	192	2812	0.14%	0.005%

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247	16.851	16.823	16.862	VV	209	2655	0.13%	0.004%
248	16.878	16.862	16.897	PV	272	3865	0.19%	0.006%
249	16.930	16.897	16.942	VV	280	4883	0.24%	0.008%
250	16.966	16.942	16.988	VV	354	6244	0.31%	0.010%
251	17.000	16.988	17.014	VV	224	2613	0.13%	0.004%
252	17.065	17.014	17.085	VV	267	9295	0.46%	0.015%
253	17.120	17.085	17.141	VV	366	6908	0.34%	0.011%
254	17.189	17.141	17.200	PV	296	7374	0.36%	0.012%
255	17.223	17.200	17.259	VV	1292	22557	1.11%	0.037%
256	17.265	17.259	17.299	VV	356	5328	0.26%	0.009%
257	17.309	17.299	17.325	VV	298	2364	0.12%	0.004%
258	17.363	17.325	17.376	VV	216	4407	0.22%	0.007%
Sum of corrected areas:						60545812		

Report of Analysis

Client:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-11-TPH-9	SDG No.:	Q1308
Lab Sample ID:	Q1308-08	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	90.3
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
FG015350.D	200	02/06/25 09:15	02/07/25 9:43	PB166587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	2540000		40900	369000	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\FG020725\
Data File : FG015350.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 09:43
Operator : YP\AJ
Sample : Q1308-08 200X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-11-TPH-9

Integration File: autoint1.e
Quant Time: Feb 08 05:52:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Quant Title :
QLast Update : Fri Jan 24 12:51:39 2025
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

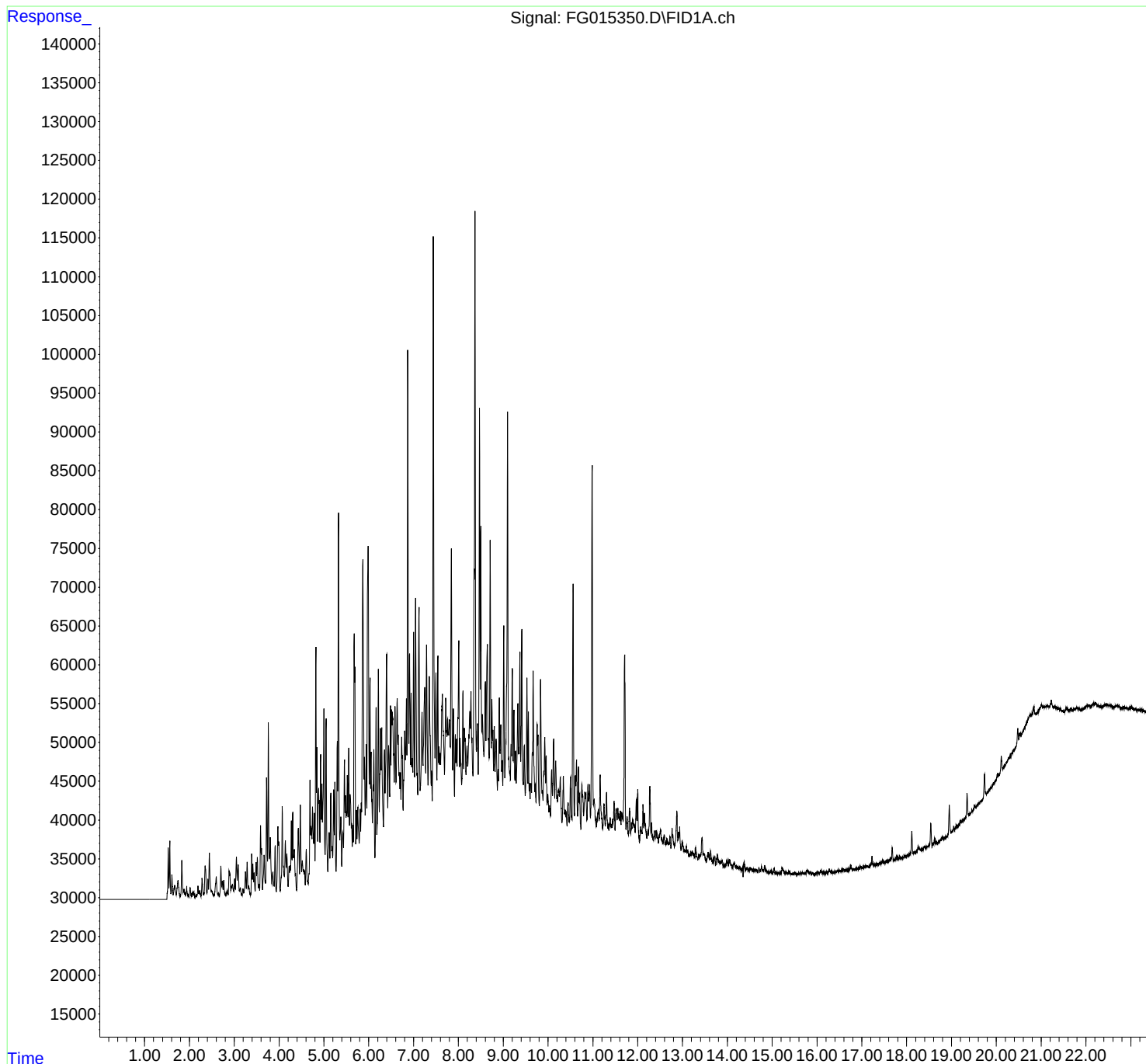
(m)=manual int.

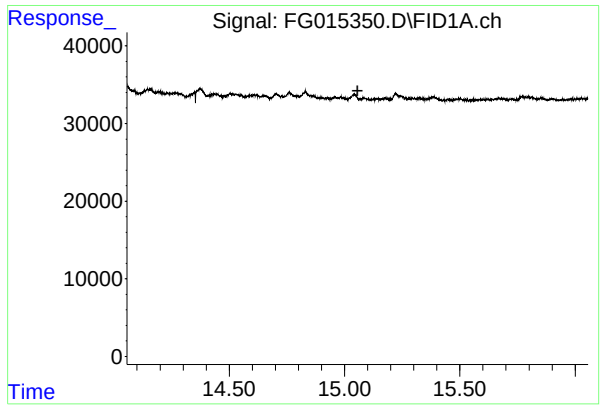
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG020725\
Data File : FG015350.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 09:43
Operator : YP\AJ
Sample : Q1308-08 200X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-11-TPH-9

Integration File: autoint1.e
Quant Time: Feb 08 05:52:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Quant Title :
QLast Update : Fri Jan 24 12:51:39 2025
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.: 15.056 min
Response: 0
Conc: N.D.

Instrument :
FID_G
ClientSampleId :
EX-11-TPH-9

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG020725\
Data File : FG015350.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 09:43
Sample : Q1308-08 200X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.369	4.350	4.389	BV	513	1503	0.15%	0.003%
2	4.428	4.389	4.456	PV	7966	158089	16.28%	0.328%
3	4.474	4.456	4.501	VV	11018	160794	16.56%	0.333%
4	4.518	4.501	4.540	VV	3778	72217	7.44%	0.150%
5	4.545	4.540	4.558	VV	2660	25875	2.66%	0.054%
6	4.567	4.558	4.585	VV	2516	29513	3.04%	0.061%
7	4.606	4.585	4.649	VV	5238	91201	9.39%	0.189%
8	4.690	4.649	4.704	VV	14166	183787	18.93%	0.381%
9	4.715	4.704	4.733	VV	8139	130860	13.48%	0.271%
10	4.747	4.733	4.773	VV	10706	193001	19.88%	0.400%
11	4.788	4.773	4.803	VV	9872	130875	13.48%	0.271%
12	4.821	4.803	4.835	VV	31208	346506	35.69%	0.718%
13	4.844	4.835	4.863	VV	18340	215972	22.24%	0.447%
14	4.882	4.863	4.893	VV	13040	193059	19.88%	0.400%
15	4.897	4.893	4.911	VV	11502	107027	11.02%	0.222%
16	4.926	4.911	4.944	VV	17425	231497	23.84%	0.480%
17	4.956	4.944	4.969	VV	13595	167429	17.24%	0.347%
18	5.002	4.969	5.027	VV	23289	450634	46.41%	0.934%
19	5.048	5.027	5.087	VV	21878	342872	35.31%	0.710%
20	5.118	5.087	5.134	VV	7238	145582	14.99%	0.302%
21	5.153	5.134	5.175	VV	12436	191685	19.74%	0.397%
22	5.183	5.175	5.196	VV	5511	64025	6.59%	0.133%
23	5.217	5.196	5.231	VV	12840	178658	18.40%	0.370%
24	5.246	5.231	5.271	VV	13803	200152	20.61%	0.415%
25	5.297	5.271	5.308	VV	19017	227438	23.42%	0.471%
26	5.325	5.308	5.355	VV	48447	640540	65.97%	1.327%
27	5.379	5.355	5.398	VV	9329	178730	18.41%	0.370%
28	5.423	5.398	5.438	VV	7280	140425	14.46%	0.291%
29	5.459	5.438	5.473	VV	16577	240355	24.75%	0.498%
30	5.482	5.473	5.493	VV	11994	131739	13.57%	0.273%
31	5.501	5.493	5.507	VV	9860	78780	8.11%	0.163%
32	5.524	5.507	5.536	VV	14607	207756	21.40%	0.430%
33	5.555	5.536	5.570	VV	18121	275052	28.33%	0.570%
34	5.584	5.570	5.613	VV	12120	264449	27.24%	0.548%
35	5.619	5.613	5.633	VV	8384	90625	9.33%	0.188%
36	5.647	5.633	5.657	VV	8156	99708	10.27%	0.207%

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37	5.675	5.657	5.685	VV	32684	372246	38.34%	0.771%
38	5.691	5.685	5.712	VV	28523	294303	30.31%	0.610%
39	5.726	5.712	5.740	VV	10099	135179	13.92%	0.280%
40	5.756	5.740	5.790	VV	10481	238861	24.60%	0.495%
41	5.808	5.790	5.821	VV	10218	155226	15.99%	0.322%
42	5.834	5.821	5.842	VV	11012	120833	12.44%	0.250%
43	5.868	5.842	5.899	VV	42400	911231	93.85%	1.888%
44	5.945	5.923	5.957	VV	18549	283429	29.19%	0.587%
45	6.029	6.015	6.042	VV	27077	313688	32.31%	0.650%
46	6.053	6.042	6.082	VV	17518	310395	31.97%	0.643%
47	6.096	6.082	6.102	VV	13316	139374	14.35%	0.289%
48	6.116	6.102	6.139	VV	17867	252626	26.02%	0.523%
49	6.164	6.139	6.182	VV	23232	313545	32.29%	0.650%
50	6.291	6.278	6.328	VV	20597	420089	43.27%	0.870%
51	6.399	6.365	6.427	VV	29979	716178	73.76%	1.484%
52	6.484	6.468	6.495	VV	23431	296741	30.56%	0.615%
53	6.527	6.520	6.570	VV	22592	563009	57.98%	1.166%
54	6.634	6.611	6.651	VV	24268	471103	48.52%	0.976%
55	6.683	6.678	6.697	VV	14688	161749	16.66%	0.335%
56	6.707	6.697	6.719	VV	14783	180523	18.59%	0.374%
57	6.736	6.719	6.767	VV	19339	436025	44.91%	0.903%
58	6.841	6.821	6.853	VV	24256	382087	39.35%	0.792%
59	6.909	6.895	6.933	VV	30010	534227	55.02%	1.107%
60	6.968	6.959	6.984	VV	16506	236868	24.40%	0.491%
61	7.001	6.984	7.023	VV	32791	516046	53.15%	1.069%
62	7.045	7.023	7.079	VV	37112	788754	81.23%	1.634%
63	7.122	7.093	7.148	VV	35989	726665	74.84%	1.505%
64	7.252	7.210	7.271	VV	25573	755321	77.79%	1.565%
65	7.352	7.325	7.394	VV	26964	802856	82.69%	1.663%
66	7.403	7.394	7.418	VV	14821	186868	19.25%	0.387%
67	7.501	7.480	7.521	VV	27448	516582	53.20%	1.070%
68	7.590	7.581	7.604	VV	17077	226614	23.34%	0.469%
69	7.720	7.692	7.749	VV	24081	680782	70.11%	1.410%
70	7.757	7.749	7.771	VV	21485	274886	28.31%	0.570%
71	7.891	7.872	7.914	VV	22542	452365	46.59%	0.937%
72	7.931	7.914	7.945	VV	19279	304045	31.31%	0.630%
73	8.010	7.972	8.027	VV	31368	747977	77.03%	1.550%
74	8.136	8.119	8.169	VV	20111	529564	54.54%	1.097%
75	8.282	8.269	8.324	VV	24903	636845	65.59%	1.319%
76	8.473	8.444	8.488	VV	61307	932681	96.06%	1.932%
77	8.501	8.488	8.524	VV	46150	684638	70.51%	1.418%
78	8.602	8.571	8.616	VV	26153	564235	58.11%	1.169%
79	8.673	8.671	8.686	VV	18896	159130	16.39%	0.330%
80	8.750	8.733	8.763	VV	23841	363428	37.43%	0.753%
81	8.802	8.788	8.818	VV	20275	316191	32.56%	0.655%
82	8.885	8.872	8.897	VV	14755	208198	21.44%	0.431%
83	8.914	8.897	8.930	VV	23749	372560	38.37%	0.772%
84	9.013	8.993	9.038	VV	33234	575455	59.27%	1.192%
85	9.126	9.121	9.161	VV	16181	352490	36.30%	0.730%
86	9.176	9.161	9.184	VV	17905	229163	23.60%	0.475%
87	9.203	9.184	9.222	VV	27523	480858	49.52%	0.996%
88	9.276	9.260	9.292	VV	16995	285915	29.45%	0.592%
89	9.327	9.292	9.342	VV	23200	539925	55.61%	1.119%

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90	9.349	9.342	9.358	VV	17520	162414	16.73%	0.336%
91	9.373	9.358	9.391	VV	29693	441493	45.47%	0.915%
92	9.470	9.453	9.493	VV	17621	351331	36.18%	0.728%
93	9.563	9.549	9.579	VV	22070	303130	31.22%	0.628%
94	9.619	9.601	9.633	VV	12853	235636	24.27%	0.488%
95	9.715	9.705	9.732	VV	12725	192806	19.86%	0.399%
96	9.756	9.732	9.771	VV	20405	385339	39.69%	0.798%
97	9.874	9.869	9.890	VV	11903	141205	14.54%	0.293%
98	9.906	9.890	9.912	VV	14354	168178	17.32%	0.348%
99	9.959	9.947	9.978	VV	16351	254030	26.16%	0.526%
100	9.996	9.978	10.022	VV	11430	276522	28.48%	0.573%
101	10.126	10.101	10.151	VV	18447	436891	45.00%	0.905%
102	10.203	10.199	10.218	VV	11225	118839	12.24%	0.246%
103	10.234	10.218	10.257	VV	11952	268751	27.68%	0.557%
104	10.274	10.257	10.312	VV	13388	356324	36.70%	0.738%
105	10.378	10.373	10.394	VV	9176	109229	11.25%	0.226%
106	10.401	10.394	10.424	VV	9129	154149	15.88%	0.319%
107	10.444	10.424	10.476	VV	10181	268562	27.66%	0.556%
108	10.559	10.535	10.588	VV	38293	670539	69.06%	1.389%
109	10.611	10.588	10.621	VV	13682	232621	23.96%	0.482%
110	10.637	10.621	10.661	VV	15697	297624	30.65%	0.617%
111	10.708	10.698	10.733	VV	11431	193058	19.88%	0.400%
112	10.755	10.733	10.767	VV	12548	209421	21.57%	0.434%
113	10.772	10.767	10.795	VV	11247	169976	17.51%	0.352%
114	10.840	10.832	10.871	VV	11396	236028	24.31%	0.489%
115	10.891	10.871	10.906	VV	12463	223255	22.99%	0.463%
116	10.928	10.906	10.948	VV	12480	269187	27.72%	0.558%
117	10.985	10.948	11.013	VV	53304	970964	100.00%	2.012%
118	11.032	11.013	11.075	VV	10574	336400	34.65%	0.697%
119	11.123	11.075	11.139	VV	9202	312655	32.20%	0.648%
120	11.163	11.139	11.219	VV	13553	449718	46.32%	0.932%
121	11.246	11.219	11.278	VV	9942	293638	30.24%	0.608%
122	11.306	11.278	11.331	VV	11403	279022	28.74%	0.578%
123	11.339	11.331	11.359	VV	7145	115897	11.94%	0.240%
124	11.387	11.359	11.410	VV	8107	228671	23.55%	0.474%
125	11.421	11.410	11.429	VV	7159	77761	8.01%	0.161%
126	11.443	11.429	11.452	VV	8000	102301	10.54%	0.212%
127	11.473	11.452	11.496	VV	10250	227213	23.40%	0.471%
128	11.515	11.496	11.520	VV	9109	116356	11.98%	0.241%
129	11.526	11.520	11.543	VV	9265	115861	11.93%	0.240%
130	11.560	11.543	11.587	VV	9279	226735	23.35%	0.470%
131	11.590	11.587	11.599	VV	8052	57668	5.94%	0.119%
132	11.615	11.599	11.627	VV	8960	137302	14.14%	0.284%
133	11.643	11.627	11.673	VV	8745	223967	23.07%	0.464%
134	11.709	11.673	11.741	VV	28954	614029	63.24%	1.272%
135	11.762	11.741	11.796	VV	8189	229914	23.68%	0.476%
136	11.820	11.796	11.844	VV	9221	213709	22.01%	0.443%
137	11.859	11.844	11.874	VV	7406	121430	12.51%	0.252%
138	11.891	11.874	11.910	VV	7743	159527	16.43%	0.331%
139	11.921	11.910	11.946	VV	7213	147882	15.23%	0.306%
140	11.970	11.946	11.984	VV	10343	186690	19.23%	0.387%
141	12.001	11.984	12.042	VV	11621	265701	27.36%	0.550%

					rteres			
142	12.068	12.042	12.099	VV	6875	209258	21.55%	0.434%
143	12.120	12.099	12.137	VV	9657	176502	18.18%	0.366%
144	12.150	12.137	12.204	VV	8561	282000	29.04%	0.584%
145	12.207	12.204	12.211	VV	5523	20881	2.15%	0.043%
146	12.227	12.211	12.244	VV	6270	119422	12.30%	0.247%
147	12.271	12.244	12.295	VV	11996	267851	27.59%	0.555%
148	12.310	12.295	12.343	VV	7329	172029	17.72%	0.356%
149	12.371	12.343	12.389	VV	6237	156178	16.08%	0.324%
150	12.402	12.389	12.408	VV	6104	64090	6.60%	0.133%
151	12.413	12.408	12.461	VV	6237	176558	18.18%	0.366%
152	12.480	12.461	12.490	VV	5694	93198	9.60%	0.193%
153	12.507	12.490	12.528	VV	6390	133780	13.78%	0.277%
154	12.539	12.528	12.556	VV	5358	83419	8.59%	0.173%
155	12.590	12.556	12.615	VV	5620	176105	18.14%	0.365%
156	12.624	12.615	12.635	VV	4936	56241	5.79%	0.117%
157	12.651	12.635	12.667	VV	5240	94329	9.71%	0.195%
158	12.672	12.667	12.685	VV	4805	49264	5.07%	0.102%
159	12.700	12.685	12.705	VV	4623	53084	5.47%	0.110%
160	12.722	12.705	12.747	VV	5439	119341	12.29%	0.247%
161	12.765	12.747	12.828	VV	6566	245682	25.30%	0.509%
162	12.873	12.828	12.896	VV	8558	253627	26.12%	0.525%
163	12.912	12.896	12.923	VV	6034	88965	9.16%	0.184%
164	12.936	12.923	12.967	VV	6565	138082	14.22%	0.286%
165	12.971	12.967	12.975	VV	3841	18911	1.95%	0.039%
166	12.991	12.975	13.039	VV	4850	156386	16.11%	0.324%
167	13.044	13.039	13.049	VV	3644	23086	2.38%	0.048%
168	13.053	13.049	13.062	VV	3611	26209	2.70%	0.054%
169	13.085	13.062	13.105	VV	4207	95857	9.87%	0.199%
170	13.118	13.105	13.143	VV	3661	73930	7.61%	0.153%
171	13.157	13.143	13.168	VV	3067	44785	4.61%	0.093%
172	13.187	13.168	13.197	VV	3338	55530	5.72%	0.115%
173	13.214	13.197	13.221	VV	3480	46337	4.77%	0.096%
174	13.225	13.221	13.243	VV	3248	41183	4.24%	0.085%
175	13.252	13.243	13.273	VV	3203	52701	5.43%	0.109%
176	13.291	13.273	13.341	VV	3945	123720	12.74%	0.256%
177	13.360	13.341	13.377	VV	3035	58776	6.05%	0.122%
178	13.383	13.377	13.390	VV	2940	22588	2.33%	0.047%
179	13.395	13.390	13.408	VV	2917	29855	3.07%	0.062%
180	13.434	13.408	13.471	VV	5165	144744	14.91%	0.300%
181	13.482	13.471	13.490	VV	3122	34236	3.53%	0.071%
182	13.493	13.490	13.511	VV	3002	34571	3.56%	0.072%
183	13.514	13.511	13.534	VV	2415	30389	3.13%	0.063%
184	13.571	13.534	13.605	VV	3268	117777	12.13%	0.244%
185	13.626	13.605	13.674	VV	3473	102817	10.59%	0.213%
186	13.687	13.674	13.701	VV	2626	37534	3.87%	0.078%
187	13.719	13.701	13.741	VV	2740	54235	5.59%	0.112%
188	13.773	13.741	13.805	VV	3025	88448	9.11%	0.183%
189	13.825	13.805	13.844	VV	2149	46941	4.83%	0.097%
190	13.848	13.844	13.853	VV	1911	9866	1.02%	0.020%
191	13.860	13.853	13.865	VV	1956	13109	1.35%	0.027%
192	13.880	13.865	13.909	VV	2163	49463	5.09%	0.102%
193	13.923	13.909	13.944	VV	1636	31777	3.27%	0.066%
194	13.955	13.944	13.974	VV	1630	28354	2.92%	0.059%

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195	13.994	13.974	14.016	VV	2174	47745	4.92%	0.099%
196	14.047	14.016	14.109	VV	2205	96105	9.90%	0.199%
197	14.145	14.109	14.156	VV	1794	41352	4.26%	0.086%
198	14.159	14.156	14.183	VV	1751	24083	2.48%	0.050%
199	14.191	14.183	14.222	VV	1480	30634	3.16%	0.063%
200	14.229	14.222	14.239	VV	1294	12203	1.26%	0.025%
201	14.259	14.239	14.264	VV	1235	17684	1.82%	0.037%
202	14.269	14.264	14.321	VV	1241	34696	3.57%	0.072%
203	14.349	14.321	14.353	VV	1309	20389	2.10%	0.042%
204	14.372	14.353	14.407	VV	1882	43321	4.46%	0.090%
205	14.435	14.407	14.442	VV	1080	20640	2.13%	0.043%
206	14.447	14.442	14.482	VV	1100	21045	2.17%	0.044%
207	14.502	14.482	14.519	VV	1142	21802	2.25%	0.045%
208	14.528	14.519	14.567	VV	1010	25558	2.63%	0.053%
209	14.590	14.567	14.602	VV	892	17323	1.78%	0.036%
210	14.609	14.602	14.641	VV	955	18969	1.95%	0.039%
211	14.659	14.641	14.676	VV	861	14939	1.54%	0.031%
212	14.703	14.676	14.723	VV	1123	21888	2.25%	0.045%
213	14.728	14.723	14.734	VV	770	4819	0.50%	0.010%
214	14.761	14.734	14.806	VV	1256	37082	3.82%	0.077%
215	14.831	14.806	14.880	VV	1349	37971	3.91%	0.079%
216	14.883	14.880	14.899	VV	478	5402	0.56%	0.011%
217	14.904	14.899	14.912	VV	539	3654	0.38%	0.008%
218	14.918	14.912	14.921	VV	489	2360	0.24%	0.005%
219	14.958	14.921	14.971	VV	636	14626	1.51%	0.030%
220	14.984	14.971	15.014	VV	630	11811	1.22%	0.024%
221	15.041	15.014	15.071	VV	930	19596	2.02%	0.041%
222	15.081	15.071	15.109	VV	433	7683	0.79%	0.016%
223	15.127	15.109	15.130	VV	328	3210	0.33%	0.007%
224	15.143	15.130	15.169	VV	362	7246	0.75%	0.015%
225	15.178	15.169	15.202	VV	455	6919	0.71%	0.014%
226	15.222	15.202	15.241	VV	987	16189	1.67%	0.034%
227	15.243	15.241	15.271	VV	744	9131	0.94%	0.019%
228	15.275	15.271	15.289	VV	404	3372	0.35%	0.007%
229	15.293	15.289	15.299	VV	339	1975	0.20%	0.004%
230	15.304	15.299	15.315	VV	355	3038	0.31%	0.006%
231	15.326	15.315	15.351	VV	394	6623	0.68%	0.014%
232	15.385	15.351	15.424	VV	552	13785	1.42%	0.029%
233	15.430	15.424	15.437	VV	155	844	0.09%	0.002%
234	15.447	15.437	15.461	VV	216	2027	0.21%	0.004%
235	15.465	15.461	15.468	VV	126	446	0.05%	0.001%
236	15.476	15.468	15.481	VV	203	1299	0.13%	0.003%
237	15.502	15.481	15.528	VV	378	5629	0.58%	0.012%
238	15.532	15.528	15.546	VV	191	831	0.09%	0.002%
239	15.552	15.546	15.569	VV	172	1127	0.12%	0.002%
240	15.591	15.569	15.595	VV	210	1931	0.20%	0.004%
241	15.601	15.595	15.606	VV	184	955	0.10%	0.002%
242	15.666	15.606	15.681	VV	326	8254	0.85%	0.017%
243	15.684	15.681	15.707	VV	279	3042	0.31%	0.006%
244	15.725	15.707	15.744	VV	179	3045	0.31%	0.006%
245	15.771	15.744	15.789	VV	536	9471	0.98%	0.020%
246	15.798	15.789	15.837	VV	506	9532	0.98%	0.020%

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247	15.854	15.837	15.887	VV	345	5665	0.58%	0.012%	
248	15.905	15.887	15.927	VV	224	2467	0.25%	0.005%	
249	15.945	15.927	15.959	PV	154	1019	0.10%	0.002%	
250	16.027	15.959	16.057	VV	251	8392	0.86%	0.017%	
251	16.078	16.057	16.144	VV	481	12481	1.29%	0.026%	
252	16.162	16.144	16.177	VV	216	2429	0.25%	0.005%	
253	16.193	16.177	16.204	PV	213	1516	0.16%	0.003%	
254	16.234	16.204	16.244	VV	314	4345	0.45%	0.009%	
255	16.272	16.244	16.296	VV	590	10809	1.11%	0.022%	
256	16.308	16.296	16.362	VV	335	7134	0.73%	0.015%	
257	16.376	16.362	16.384	VV	114	981	0.10%	0.002%	
258	16.459	16.384	16.487	PV	317	10719	1.10%	0.022%	
259	16.491	16.487	16.512	VV	217	2422	0.25%	0.005%	
260	16.519	16.512	16.542	VV	236	2239	0.23%	0.005%	
261	16.587	16.542	16.622	VV	375	12178	1.25%	0.025%	
262	16.635	16.622	16.691	VV	250	6263	0.65%	0.013%	
263	16.715	16.691	16.731	PV	331	4537	0.47%	0.009%	
264	16.754	16.731	16.789	VV	674	13820	1.42%	0.029%	
265	16.795	16.789	16.861	VV	167	4686	0.48%	0.010%	
266	16.883	16.861	16.894	PV	161	2389	0.25%	0.005%	
267	16.903	16.894	16.909	VV	168	1004	0.10%	0.002%	
268	16.938	16.909	16.947	VV	155	2793	0.29%	0.006%	
269	16.969	16.947	17.010	VV	307	6979	0.72%	0.014%	
270	17.024	17.010	17.049	VV	186	2984	0.31%	0.006%	
271	17.069	17.049	17.091	VV	342	4856	0.50%	0.010%	
272	17.123	17.091	17.146	VV	278	5569	0.57%	0.012%	
273	17.224	17.146	17.301	PV	1303	27930	2.88%	0.058%	
274	17.366	17.301	17.377	PV	102	3040	0.31%	0.006%	
275	17.394	17.377	17.401	PBA	20	407	0.04%	0.001%	

Sum of corrected areas: 48267889

FG011325.M Sun Feb 09 23:50:06 2025

Report of Analysis

Client:	ENTACT		Date Collected:	02/05/25	
Project:	North Point - 4101 Arthur Kill Rd - E9306		Date Received:	02/05/25	
Client Sample ID:	EX-11-TPH-10		SDG No.:	Q1308	
Lab Sample ID:	Q1308-09		Matrix:	SOIL	
Analytical Method:	8015D DRO		% Solid:	77.3	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
FG015351.D	50	02/06/25 09:15	02/07/25 10:11	PB166587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	937000		11900	108000	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\FG020725\
Data File : FG015351.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 10:11
Operator : YP\AJ
Sample : Q1308-09 50X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-11-TPH-10

Integration File: autoint1.e
Quant Time: Feb 08 05:52:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Quant Title :
QLast Update : Fri Jan 24 12:51:39 2025
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

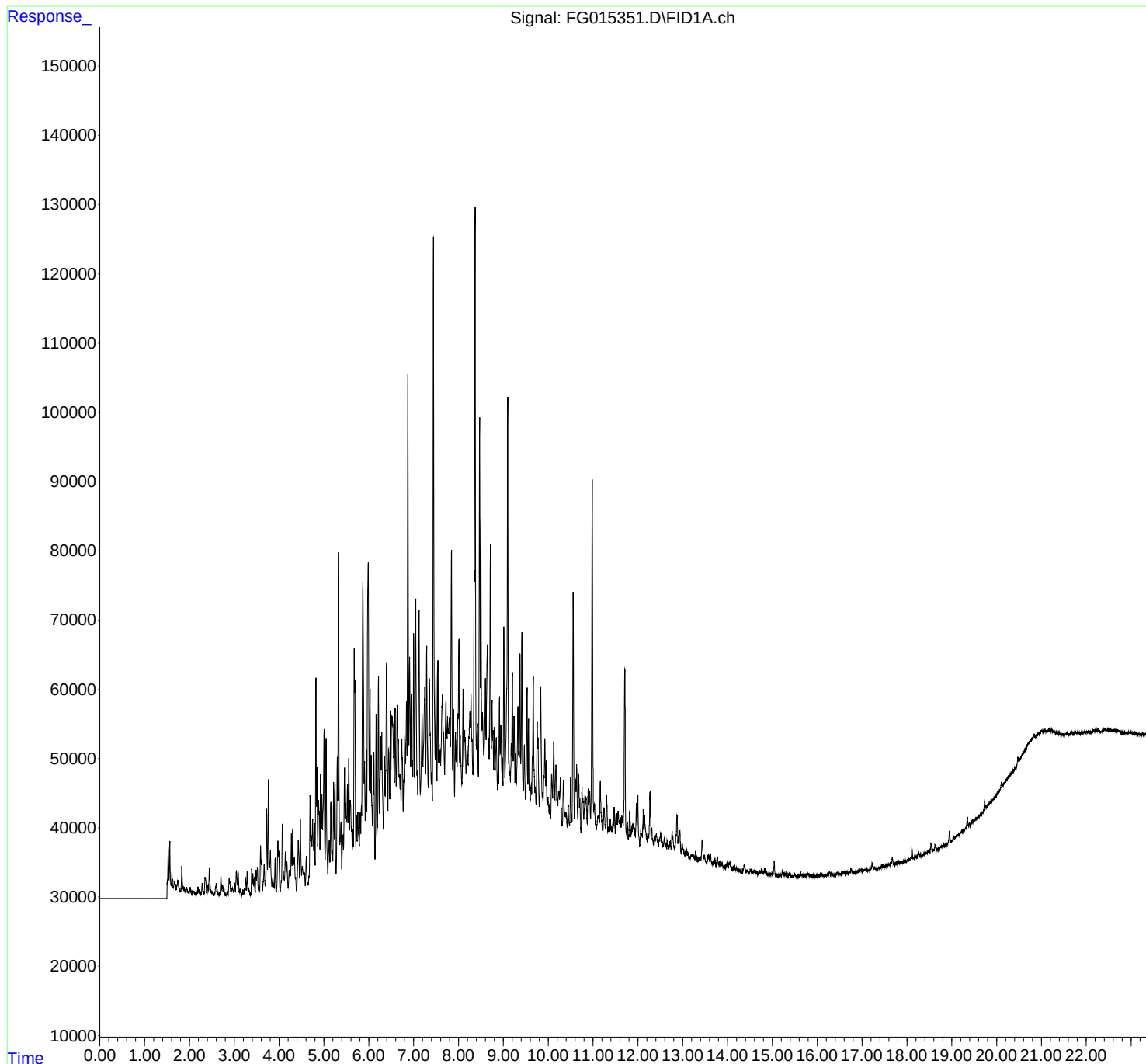
(m)=manual int.

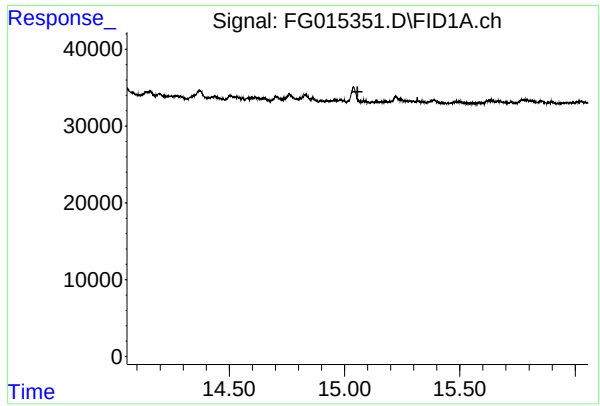
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG020725\
Data File : FG015351.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 10:11
Operator : YP\AJ
Sample : Q1308-09 50X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-11-TPH-10

Integration File: autoint1.e
Quant Time: Feb 08 05:52:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Quant Title :
QLast Update : Fri Jan 24 12:51:39 2025
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.: 15.056 min
Response: 0
Conc: N.D.

Instrument :
FID_G
ClientSampleId :
EX-11-TPH-10

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG020725\
 Data File : FG015351.D
 Signal(s) : FID1A.ch
 Acq On : 07 Feb 2025 10:11
 Sample : Q1308-09 50X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
 Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.369	4.350	4.391	BV	300	-1654	-0.11%	-0.003%
2	4.428	4.391	4.456	PV	7409	149713	9.64%	0.246%
3	4.474	4.456	4.501	VV	10465	152702	9.84%	0.250%
4	4.519	4.501	4.538	VV	3545	65067	4.19%	0.107%
5	4.548	4.538	4.561	VV	2625	32503	2.09%	0.053%
6	4.567	4.561	4.584	VV	2399	24798	1.60%	0.041%
7	4.607	4.584	4.648	VV	5015	88557	5.70%	0.145%
8	4.690	4.648	4.706	VV	13797	191766	12.35%	0.314%
9	4.715	4.706	4.733	VV	7989	121329	7.82%	0.199%
10	4.747	4.733	4.774	VV	10385	191794	12.36%	0.315%
11	4.789	4.774	4.803	VV	9670	126961	8.18%	0.208%
12	4.821	4.803	4.835	VV	30689	337891	21.77%	0.554%
13	4.844	4.835	4.863	VV	17893	212359	13.68%	0.348%
14	4.881	4.863	4.911	VV	12893	300126	19.33%	0.492%
15	4.926	4.911	4.943	VV	16808	225882	14.55%	0.370%
16	4.955	4.943	4.968	VV	13904	170535	10.99%	0.280%
17	5.002	4.968	5.027	VV	23253	453234	29.20%	0.743%
18	5.048	5.027	5.086	VV	21899	340992	21.97%	0.559%
19	5.119	5.086	5.134	VV	7299	147409	9.50%	0.242%
20	5.153	5.134	5.175	VV	12718	198589	12.79%	0.326%
21	5.183	5.175	5.195	VV	5754	61555	3.97%	0.101%
22	5.217	5.195	5.231	VV	15553	210547	13.56%	0.345%
23	5.247	5.231	5.271	VV	15148	216676	13.96%	0.355%
24	5.297	5.271	5.307	VV	19141	231263	14.90%	0.379%
25	5.325	5.307	5.356	VV	48691	660078	42.52%	1.082%
26	5.380	5.356	5.397	VV	9761	179814	11.58%	0.295%
27	5.423	5.397	5.438	VV	7768	151574	9.76%	0.249%
28	5.459	5.438	5.472	VV	17559	247668	15.95%	0.406%
29	5.481	5.472	5.494	VV	12525	146274	9.42%	0.240%
30	5.502	5.494	5.510	VV	10436	96585	6.22%	0.158%
31	5.523	5.510	5.536	VV	15167	197092	12.70%	0.323%
32	5.554	5.536	5.571	VV	18967	291574	18.78%	0.478%
33	5.585	5.571	5.612	VV	12916	277088	17.85%	0.454%
34	5.619	5.612	5.633	VV	9085	98472	6.34%	0.161%
35	5.646	5.633	5.657	VV	8738	107168	6.90%	0.176%
36	5.675	5.657	5.685	VV	34752	378294	24.37%	0.620%

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37	5.691	5.685	5.712	VV	30249	321779	20.73%	0.528%
38	5.726	5.712	5.740	VV	10781	144624	9.32%	0.237%
39	5.756	5.740	5.789	VV	11231	252136	16.24%	0.413%
40	5.809	5.789	5.822	VV	10963	174738	11.26%	0.287%
41	5.834	5.822	5.841	VV	12042	121693	7.84%	0.200%
42	5.869	5.841	5.898	VV	44447	970521	62.52%	1.591%
43	5.906	5.898	5.922	VV	18481	214834	13.84%	0.352%
44	5.945	5.922	5.957	VV	20054	313788	20.21%	0.515%
45	5.988	5.957	6.015	VV	47280	1088766	70.14%	1.785%
46	6.029	6.015	6.042	VV	28844	336197	21.66%	0.551%
47	6.052	6.042	6.082	VV	19331	339618	21.88%	0.557%
48	6.096	6.082	6.103	VV	14376	163260	10.52%	0.268%
49	6.115	6.103	6.139	VV	19812	268095	17.27%	0.440%
50	6.164	6.139	6.182	VV	25278	341508	22.00%	0.560%
51	6.216	6.182	6.235	VV	30730	528525	34.05%	0.867%
52	6.249	6.235	6.252	VV	15948	145477	9.37%	0.239%
53	6.266	6.252	6.277	VV	21973	286411	18.45%	0.470%
54	6.290	6.277	6.330	VV	22669	483620	31.15%	0.793%
55	6.351	6.330	6.365	VV	18965	305814	19.70%	0.501%
56	6.399	6.365	6.426	VV	32341	775573	49.96%	1.272%
57	6.442	6.426	6.468	VV	20214	426154	27.45%	0.699%
58	6.484	6.468	6.496	VV	25659	329286	21.21%	0.540%
59	6.511	6.496	6.519	VV	24969	314553	20.26%	0.516%
60	6.587	6.570	6.612	VV	25954	484632	31.22%	0.795%
61	6.634	6.612	6.651	VV	26327	510877	32.91%	0.838%
62	6.658	6.651	6.677	VV	21458	305535	19.68%	0.501%
63	6.684	6.677	6.697	VV	16376	187447	12.08%	0.307%
64	6.708	6.697	6.719	VV	16520	198437	12.78%	0.325%
65	6.736	6.719	6.767	VV	21503	488895	31.49%	0.802%
66	6.842	6.823	6.853	VV	27067	411024	26.48%	0.674%
67	6.910	6.896	6.932	VV	33249	569981	36.72%	0.935%
68	6.945	6.932	6.960	VV	27941	374824	24.15%	0.615%
69	6.968	6.960	6.984	VV	18336	257594	16.59%	0.422%
70	7.002	6.984	7.022	VV	36624	573598	36.95%	0.941%
71	7.045	7.022	7.076	VV	41627	860647	55.44%	1.411%
72	7.081	7.076	7.093	VV	16809	165983	10.69%	0.272%
73	7.190	7.152	7.207	VV	25089	633590	40.81%	1.039%
74	7.291	7.271	7.324	VV	34875	748267	48.20%	1.227%
75	7.404	7.395	7.417	VV	16510	196036	12.63%	0.321%
76	7.442	7.417	7.480	VV	93766	1552358	100.00%	2.546%
77	7.542	7.521	7.559	VV	32769	542737	34.96%	0.890%
78	7.568	7.559	7.582	VV	20617	258713	16.67%	0.424%
79	7.589	7.582	7.603	VV	19707	234579	15.11%	0.385%
80	7.720	7.692	7.746	VV	26965	729997	47.03%	1.197%
81	7.758	7.746	7.770	VV	24690	329379	21.22%	0.540%
82	7.775	7.770	7.783	VV	22834	174270	11.23%	0.286%
83	7.844	7.820	7.872	VV	48601	976059	62.88%	1.601%
84	7.932	7.913	7.947	VV	22363	373317	24.05%	0.612%
85	7.989	7.970	7.993	VV	24995	301671	19.43%	0.495%
86	8.010	7.993	8.027	VV	35554	572962	36.91%	0.940%
87	8.137	8.119	8.148	VV	22466	359364	23.15%	0.589%
88	8.151	8.148	8.169	VV	21423	240473	15.49%	0.394%
89	8.281	8.268	8.322	VV	27765	716017	46.12%	1.174%

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90	8.371	8.356	8.404	VV	97869	1465634	94.41%	2.403%
91	8.423	8.404	8.444	VV	23352	497178	32.03%	0.815%
92	8.501	8.488	8.523	VV	52834	768211	49.49%	1.260%
93	8.602	8.566	8.616	VV	29970	697354	44.92%	1.144%
94	8.711	8.686	8.733	VV	49331	863942	55.65%	1.417%
95	8.749	8.733	8.763	VV	26757	421453	27.15%	0.691%
96	8.802	8.787	8.820	VV	22822	391202	25.20%	0.642%
97	8.886	8.872	8.896	VV	16988	226794	14.61%	0.372%
98	8.914	8.896	8.930	VV	27291	436685	28.13%	0.716%
99	8.977	8.967	8.994	VV	18395	268454	17.29%	0.440%
100	9.013	8.994	9.038	VV	37263	643406	41.45%	1.055%
101	9.126	9.121	9.158	VV	18129	375263	24.17%	0.615%
102	9.176	9.158	9.187	VV	20423	308156	19.85%	0.505%
103	9.202	9.187	9.223	VV	30491	515580	33.21%	0.845%
104	9.275	9.261	9.293	VV	18895	320295	20.63%	0.525%
105	9.349	9.343	9.358	VV	19392	180673	11.64%	0.296%
106	9.373	9.358	9.390	VV	33250	470831	30.33%	0.772%
107	9.470	9.452	9.492	VV	20063	397963	25.64%	0.653%
108	9.563	9.550	9.581	VV	23653	343065	22.10%	0.563%
109	9.623	9.603	9.634	VV	14381	259603	16.72%	0.426%
110	9.711	9.705	9.731	VV	13973	203290	13.10%	0.333%
111	9.775	9.769	9.805	VV	21135	344089	22.17%	0.564%
112	9.876	9.868	9.888	VV	13194	151705	9.77%	0.249%
113	9.906	9.888	9.912	VV	15665	205419	13.23%	0.337%
114	9.997	9.981	10.021	VV	12612	285840	18.41%	0.469%
115	10.037	10.021	10.060	VV	11504	246390	15.87%	0.404%
116	10.126	10.101	10.150	VV	20502	480321	30.94%	0.788%
117	10.173	10.150	10.201	VV	17231	434354	27.98%	0.712%
118	10.204	10.201	10.218	VV	12465	119864	7.72%	0.197%
119	10.233	10.218	10.241	VV	13485	176439	11.37%	0.289%
120	10.245	10.241	10.254	VV	13311	100380	6.47%	0.165%
121	10.274	10.254	10.313	VV	15303	423232	27.26%	0.694%
122	10.342	10.313	10.374	VV	14980	417261	26.88%	0.684%
123	10.381	10.374	10.394	VV	10341	121094	7.80%	0.199%
124	10.401	10.394	10.423	VV	10174	164332	10.59%	0.269%
125	10.445	10.423	10.478	VV	11387	315169	20.30%	0.517%
126	10.501	10.478	10.532	VV	15112	348492	22.45%	0.571%
127	10.559	10.532	10.587	VV	42008	741368	47.76%	1.216%
128	10.610	10.587	10.623	VV	14856	273906	17.64%	0.449%
129	10.636	10.623	10.662	VV	16993	316714	20.40%	0.519%
130	10.681	10.662	10.697	VV	15867	270444	17.42%	0.443%
131	10.708	10.697	10.732	VV	12280	214944	13.85%	0.352%
132	10.756	10.732	10.769	VV	13329	250225	16.12%	0.410%
133	10.773	10.769	10.794	VV	12149	166242	10.71%	0.273%
134	10.820	10.794	10.830	VV	12843	239581	15.43%	0.393%
135	10.840	10.830	10.870	VV	12434	263487	16.97%	0.432%
136	10.892	10.870	10.905	VV	13481	245108	15.79%	0.402%
137	10.928	10.905	10.948	VV	13346	298526	19.23%	0.490%
138	10.985	10.948	11.015	VV	58251	1066371	68.69%	1.749%
139	11.033	11.015	11.077	VV	11434	360850	23.25%	0.592%
140	11.125	11.077	11.142	VV	9811	351048	22.61%	0.576%
141	11.164	11.142	11.223	VV	14709	492962	31.76%	0.808%

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142	11.246	11.223	11.277	VV	10808	301088	19.40%	0.494%
143	11.306	11.277	11.334	VV	12564	323764	20.86%	0.531%
144	11.345	11.334	11.359	VV	8052	114803	7.40%	0.188%
145	11.387	11.359	11.417	VV	9035	276795	17.83%	0.454%
146	11.423	11.417	11.428	VV	7761	53125	3.42%	0.087%
147	11.443	11.428	11.455	VV	8618	132109	8.51%	0.217%
148	11.473	11.455	11.497	VV	10853	231175	14.89%	0.379%
149	11.520	11.497	11.543	VV	9928	252574	16.27%	0.414%
150	11.559	11.543	11.584	VV	10141	227619	14.66%	0.373%
151	11.613	11.584	11.628	VV	9271	231950	14.94%	0.380%
152	11.643	11.628	11.675	VV	9497	247241	15.93%	0.405%
153	11.710	11.675	11.744	VV	30522	661633	42.62%	1.085%
154	11.764	11.744	11.792	VV	8546	219468	14.14%	0.360%
155	11.822	11.792	11.844	VV	10003	250235	16.12%	0.410%
156	11.862	11.844	11.872	VV	8062	122183	7.87%	0.200%
157	11.893	11.872	11.922	VV	8272	235630	15.18%	0.386%
158	11.924	11.922	11.945	VV	7718	100654	6.48%	0.165%
159	11.970	11.945	11.984	VV	11337	209252	13.48%	0.343%
160	12.000	11.984	12.042	VV	12375	287347	18.51%	0.471%
161	12.068	12.042	12.088	VV	7245	182468	11.75%	0.299%
162	12.091	12.088	12.097	VV	6750	33269	2.14%	0.055%
163	12.119	12.097	12.138	VV	10303	204084	13.15%	0.335%
164	12.152	12.138	12.207	VV	9484	311661	20.08%	0.511%
165	12.225	12.207	12.244	VV	6873	146140	9.41%	0.240%
166	12.271	12.244	12.295	VV	12914	289069	18.62%	0.474%
167	12.309	12.295	12.344	VV	7654	192364	12.39%	0.315%
168	12.374	12.344	12.391	VV	6585	169284	10.90%	0.278%
169	12.413	12.391	12.461	VV	6766	255320	16.45%	0.419%
170	12.476	12.461	12.488	VV	6118	91944	5.92%	0.151%
171	12.510	12.488	12.528	VV	7011	154929	9.98%	0.254%
172	12.535	12.528	12.566	VV	5790	121940	7.86%	0.200%
173	12.588	12.566	12.608	VV	6191	139181	8.97%	0.228%
174	12.624	12.608	12.638	VV	5334	91771	5.91%	0.150%
175	12.652	12.638	12.686	VV	5832	152167	9.80%	0.250%
176	12.717	12.686	12.742	VV	5722	170551	10.99%	0.280%
177	12.765	12.742	12.813	VV	7135	241323	15.55%	0.396%
178	12.817	12.813	12.823	VV	4850	28335	1.83%	0.046%
179	12.873	12.823	12.897	VV	9403	290170	18.69%	0.476%
180	12.911	12.897	12.921	VV	6467	88783	5.72%	0.146%
181	12.936	12.921	12.973	VV	7220	168702	10.87%	0.277%
182	12.988	12.973	13.038	VV	5260	176630	11.38%	0.290%
183	13.044	13.038	13.065	VV	3980	61107	3.94%	0.100%
184	13.082	13.065	13.103	VV	4512	95091	6.13%	0.156%
185	13.114	13.103	13.140	VV	4022	80385	5.18%	0.132%
186	13.147	13.140	13.154	VV	3330	28037	1.81%	0.046%
187	13.159	13.154	13.167	VV	3353	24724	1.59%	0.041%
188	13.182	13.167	13.193	VV	3606	55420	3.57%	0.091%
189	13.215	13.193	13.224	VV	3780	66710	4.30%	0.109%
190	13.229	13.224	13.245	VV	3576	43852	2.82%	0.072%
191	13.249	13.245	13.266	VV	3453	41159	2.65%	0.067%
192	13.287	13.266	13.343	VV	4151	150900	9.72%	0.247%
193	13.357	13.343	13.372	VV	3311	53947	3.48%	0.088%
194	13.387	13.372	13.397	VV	3294	46889	3.02%	0.077%

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195	13.433	13.397	13.470	VV	5705	177684	11.45%	0.291%
196	13.476	13.470	13.517	VV	3458	86346	5.56%	0.142%
197	13.520	13.517	13.535	VV	2603	27067	1.74%	0.044%
198	13.568	13.535	13.603	VV	3585	123857	7.98%	0.203%
199	13.623	13.603	13.673	VV	3641	117218	7.55%	0.192%
200	13.690	13.673	13.699	VV	2731	40049	2.58%	0.066%
201	13.719	13.699	13.747	VV	3097	71002	4.57%	0.116%
202	13.771	13.747	13.813	VV	3335	103251	6.65%	0.169%
203	13.818	13.813	13.838	VV	2387	32358	2.08%	0.053%
204	13.852	13.838	13.862	VV	2157	30516	1.97%	0.050%
205	13.878	13.862	13.903	VV	2386	53661	3.46%	0.088%
206	13.909	13.903	13.916	VV	1721	13609	0.88%	0.022%
207	13.922	13.916	13.928	VV	1777	11526	0.74%	0.019%
208	13.930	13.928	13.938	VV	1721	11133	0.72%	0.018%
209	13.943	13.938	13.946	VV	1772	8074	0.52%	0.013%
210	13.957	13.946	13.973	VV	2186	29743	1.92%	0.049%
211	13.991	13.973	14.013	VV	2336	49922	3.22%	0.082%
212	14.031	14.013	14.035	VV	2282	25878	1.67%	0.042%
213	14.051	14.035	14.114	VV	2493	90457	5.83%	0.148%
214	14.143	14.114	14.149	VV	1892	35090	2.26%	0.058%
215	14.158	14.149	14.183	VV	2008	33798	2.18%	0.055%
216	14.196	14.183	14.222	VV	1721	33983	2.19%	0.056%
217	14.236	14.222	14.254	VV	1358	24500	1.58%	0.040%
218	14.273	14.254	14.286	VV	1344	24606	1.59%	0.040%
219	14.289	14.286	14.314	VV	1329	18097	1.17%	0.030%
220	14.318	14.314	14.323	VV	957	4673	0.30%	0.008%
221	14.372	14.323	14.406	VV	2061	70740	4.56%	0.116%
222	14.423	14.406	14.429	VV	1179	15197	0.98%	0.025%
223	14.441	14.429	14.481	VV	1242	31680	2.04%	0.052%
224	14.502	14.481	14.531	VV	1371	33040	2.13%	0.054%
225	14.537	14.531	14.553	VV	1179	13519	0.87%	0.022%
226	14.557	14.553	14.569	VV	1062	8900	0.57%	0.015%
227	14.598	14.569	14.606	VV	1070	21567	1.39%	0.035%
228	14.613	14.606	14.638	VV	1065	18483	1.19%	0.030%
229	14.654	14.638	14.675	VV	1023	17991	1.16%	0.030%
230	14.701	14.675	14.731	VV	1203	29173	1.88%	0.048%
231	14.761	14.731	14.799	VV	1540	41809	2.69%	0.069%
232	14.806	14.799	14.811	VV	946	6189	0.40%	0.010%
233	14.831	14.811	14.856	VV	1426	28984	1.87%	0.048%
234	14.864	14.856	14.888	VV	935	13705	0.88%	0.022%
235	14.898	14.888	14.915	VV	650	8776	0.57%	0.014%
236	14.928	14.915	14.936	VV	616	6531	0.42%	0.011%
237	14.955	14.936	14.968	VV	697	11109	0.72%	0.018%
238	14.982	14.968	14.991	VV	689	8724	0.56%	0.014%
239	14.995	14.991	15.011	VV	634	6173	0.40%	0.010%
240	15.039	15.011	15.076	VV	2414	42194	2.72%	0.069%
241	15.083	15.076	15.115	VV	649	9865	0.64%	0.016%
242	15.139	15.115	15.150	VV	493	8094	0.52%	0.013%
243	15.160	15.150	15.167	VV	463	4036	0.26%	0.007%
244	15.173	15.167	15.192	VV	483	6160	0.40%	0.010%
245	15.221	15.192	15.268	VV	1057	29777	1.92%	0.049%
246	15.272	15.268	15.277	VV	557	2547	0.16%	0.004%

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247	15.282	15.277	15.293	VV	478	4134	0.27%	0.007%
248	15.297	15.293	15.307	VV	470	3495	0.23%	0.006%
249	15.315	15.307	15.333	VV	684	6513	0.42%	0.011%
250	15.340	15.333	15.352	VV	459	3939	0.25%	0.006%
251	15.388	15.352	15.422	VV	631	15666	1.01%	0.026%
252	15.429	15.422	15.434	VV	249	1292	0.08%	0.002%
253	15.437	15.434	15.457	VV	288	2273	0.15%	0.004%
254	15.487	15.457	15.519	VV	447	10066	0.65%	0.017%
255	15.523	15.519	15.541	VV	235	2147	0.14%	0.004%
256	15.583	15.541	15.595	VV	265	5326	0.34%	0.009%
257	15.602	15.595	15.607	VV	226	1319	0.08%	0.002%
258	15.626	15.607	15.656	VV	608	12033	0.78%	0.020%
259	15.664	15.656	15.709	VV	435	9288	0.60%	0.015%
260	15.722	15.709	15.738	VV	259	3598	0.23%	0.006%
261	15.742	15.738	15.747	VV	136	676	0.04%	0.001%
262	15.769	15.747	15.773	VV	530	5462	0.35%	0.009%
263	15.778	15.773	15.786	VV	553	3861	0.25%	0.006%
264	15.793	15.786	15.799	VV	481	3837	0.25%	0.006%
265	15.803	15.799	15.839	VV	454	8038	0.52%	0.013%
266	15.854	15.839	15.877	VV	379	5906	0.38%	0.010%
267	15.896	15.877	15.923	VV	286	4493	0.29%	0.007%
268	15.966	15.923	15.972	PV	166	2213	0.14%	0.004%
269	15.979	15.972	15.997	VV	188	1593	0.10%	0.003%
270	16.024	15.997	16.039	VV	310	4850	0.31%	0.008%
271	16.045	16.039	16.055	VV	170	1098	0.07%	0.002%
272	16.079	16.055	16.140	VV	492	12375	0.80%	0.020%
273	16.149	16.140	16.176	VV	219	2694	0.17%	0.004%
274	16.184	16.176	16.196	VV	169	1281	0.08%	0.002%
275	16.200	16.196	16.205	VV	124	501	0.03%	0.001%
276	16.228	16.205	16.258	VV	306	6223	0.40%	0.010%
277	16.272	16.258	16.304	VV	595	9947	0.64%	0.016%
278	16.319	16.304	16.344	VV	374	5103	0.33%	0.008%
279	16.365	16.344	16.371	VV	138	1233	0.08%	0.002%
280	16.398	16.371	16.405	VV	118	856	0.06%	0.001%
281	16.412	16.405	16.422	PV	171	1256	0.08%	0.002%
282	16.455	16.422	16.483	VV	331	8216	0.53%	0.013%
283	16.490	16.483	16.501	VV	305	2074	0.13%	0.003%
284	16.505	16.501	16.512	VV	210	1141	0.07%	0.002%
285	16.524	16.512	16.528	VV	237	1291	0.08%	0.002%
286	16.546	16.528	16.551	VV	212	2055	0.13%	0.003%
287	16.562	16.551	16.581	VV	341	5191	0.33%	0.009%
288	16.588	16.581	16.617	VV	361	5947	0.38%	0.010%
289	16.633	16.617	16.638	VV	278	2547	0.16%	0.004%
290	16.654	16.638	16.685	VV	353	5451	0.35%	0.009%
291	16.717	16.685	16.732	PV	327	5182	0.33%	0.008%
292	16.755	16.732	16.801	VV	706	14006	0.90%	0.023%
293	16.805	16.801	16.821	VV	222	1542	0.10%	0.003%
294	16.824	16.821	16.827	VV	111	372	0.02%	0.001%
295	16.832	16.827	16.839	VV	131	636	0.04%	0.001%
296	16.842	16.839	16.847	VV	157	588	0.04%	0.001%
297	16.850	16.847	16.864	VV	126	736	0.05%	0.001%
298	16.877	16.864	16.882	VV	164	1549	0.10%	0.003%
299	16.894	16.882	16.907	VV	209	2162	0.14%	0.004%

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300	16.923	16.907	16.934	VV	252	2539	0.16%	0.004%	
301	16.948	16.934	16.954	VV	217	1891	0.12%	0.003%	
302	16.965	16.954	17.011	VV	326	6925	0.45%	0.011%	
303	17.026	17.011	17.037	VV	216	2382	0.15%	0.004%	
304	17.044	17.037	17.049	VV	260	1126	0.07%	0.002%	
305	17.071	17.049	17.086	VV	245	4617	0.30%	0.008%	
306	17.097	17.086	17.133	VV	248	4804	0.31%	0.008%	
307	17.140	17.133	17.147	VV	80	489	0.03%	0.001%	
308	17.154	17.147	17.169	PV	192	1160	0.07%	0.002%	
309	17.223	17.169	17.262	VV	1003	21485	1.38%	0.035%	
310	17.266	17.262	17.269	VV	344	1287	0.08%	0.002%	
311	17.272	17.269	17.294	VV	354	2682	0.17%	0.004%	
312	17.303	17.294	17.317	VV	128	1191	0.08%	0.002%	
313	17.321	17.317	17.327	VV	116	550	0.04%	0.001%	
314	17.334	17.327	17.342	VV	173	1006	0.06%	0.002%	
315	17.351	17.342	17.377	PV	187	1852	0.12%	0.003%	
316	17.389	17.377	17.400	VBA	187	907	0.06%	0.001%	
				Sum of corrected areas:		60981876			

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Report of Analysis

Client:	ENTACT		Date Collected:	02/05/25	
Project:	North Point - 4101 Arthur Kill Rd - E9306		Date Received:	02/05/25	
Client Sample ID:	EX-11-TPH-11		SDG No.:	Q1308	
Lab Sample ID:	Q1308-10		Matrix:	SOIL	
Analytical Method:	8015D DRO		% Solid:	88.1	Decanted:
Sample Wt/Vol:	30.08	Units: g	Final Vol:	1	mL
Soil Aliquot Vol:		uL	Test:	Diesel Range Organics	
Extraction Type:			Injection Volume :		
GPC Factor :		PH :			
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG015352.D	50	02/06/25 09:15	02/07/25 10:40	PB166587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	832000		10500	94300	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\FG020725\
Data File : FG015352.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 10:40
Operator : YP\AJ
Sample : Q1308-10 50X
Misc :
ALS Vial : 35 Sample Multiplier: 1

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

Integration File: autoint1.e
Quant Time: Feb 08 05:53:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Quant Title :
QLast Update : Fri Jan 24 12:51:39 2025
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

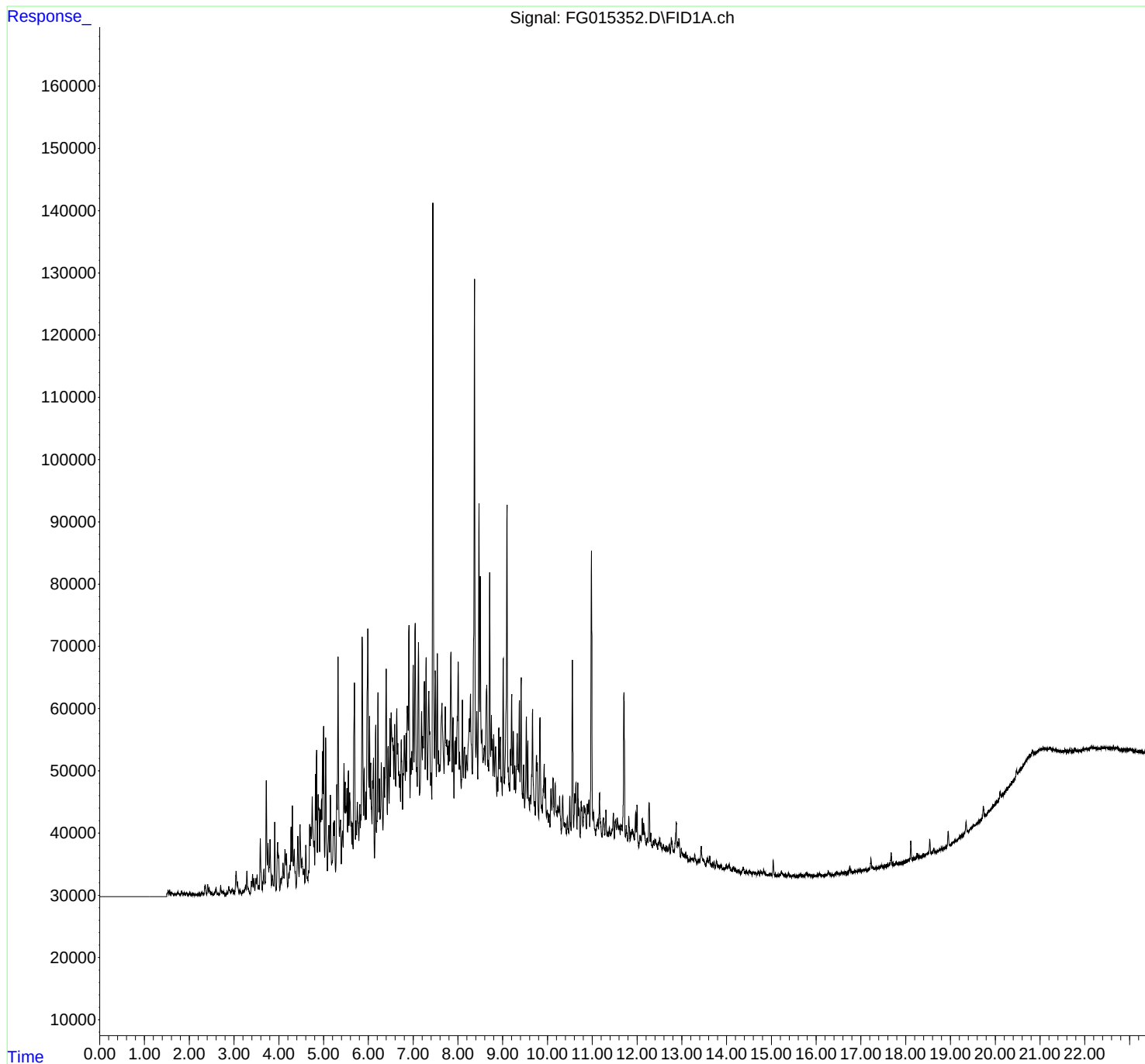
(m)=manual int.

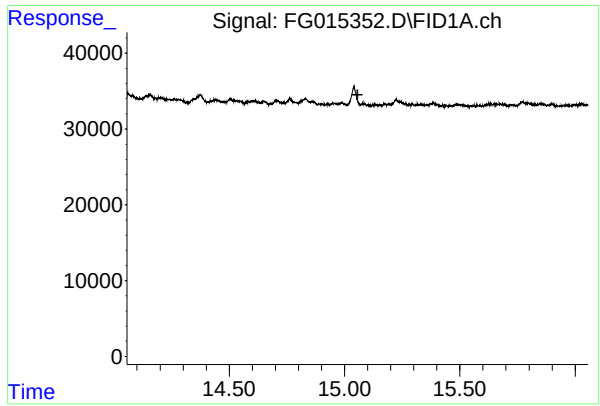
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG020725\
Data File : FG015352.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 10:40
Operator : YP\AJ
Sample : Q1308-10 50X
Misc :
ALS Vial : 35 Sample Multiplier: 1

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

Integration File: autoint1.e
Quant Time: Feb 08 05:53:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Quant Title :
QLast Update : Fri Jan 24 12:51:39 2025
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.: 15.056 min
Response: 0
Conc: N.D.

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG020725\
 Data File : FG015352.D
 Signal(s) : FID1A.ch
 Acq On : 07 Feb 2025 10:40
 Sample : Q1308-10 50X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
 Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.369	4.350	4.387	BV	202	-3216	-0.18%	-0.005%
2	4.427	4.387	4.454	PV	8221	142398	7.85%	0.230%
3	4.474	4.454	4.502	VV	10088	171060	9.43%	0.276%
4	4.517	4.502	4.544	VV	4604	90551	4.99%	0.146%
5	4.551	4.544	4.555	VV	2294	14118	0.78%	0.023%
6	4.566	4.555	4.583	VV	2924	36599	2.02%	0.059%
7	4.604	4.583	4.629	VV	6727	98022	5.40%	0.158%
8	4.637	4.629	4.650	VV	1714	17773	0.98%	0.029%
9	4.665	4.650	4.672	VV	2684	27211	1.50%	0.044%
10	4.690	4.672	4.701	VV	10153	115687	6.38%	0.187%
11	4.716	4.701	4.731	VV	9648	153903	8.49%	0.249%
12	4.747	4.731	4.780	VV	14559	296549	16.35%	0.479%
13	4.790	4.780	4.803	VV	7429	86328	4.76%	0.140%
14	4.821	4.803	4.831	VV	18076	197989	10.92%	0.320%
15	4.844	4.831	4.861	VV	22052	250088	13.79%	0.404%
16	4.880	4.861	4.892	VV	14853	213589	11.78%	0.345%
17	4.896	4.892	4.912	VV	12658	124686	6.87%	0.201%
18	4.927	4.912	4.940	VV	12384	169524	9.35%	0.274%
19	4.954	4.940	4.963	VV	13988	171647	9.46%	0.277%
20	4.977	4.963	4.989	VV	21826	258734	14.27%	0.418%
21	5.001	4.989	5.027	VV	25786	345732	19.06%	0.559%
22	5.048	5.027	5.087	VV	23976	393873	21.72%	0.637%
23	5.119	5.087	5.137	VV	9888	204900	11.30%	0.331%
24	5.153	5.137	5.179	VV	14686	228383	12.59%	0.369%
25	5.242	5.231	5.269	VV	10555	157645	8.69%	0.255%
26	5.296	5.269	5.306	VV	16431	201948	11.13%	0.326%
27	5.324	5.306	5.354	VV	36959	590808	32.58%	0.955%
28	5.378	5.354	5.397	VV	10762	218235	12.03%	0.353%
29	5.457	5.437	5.471	VV	19817	283930	15.66%	0.459%
30	5.482	5.471	5.494	VV	16788	196281	10.82%	0.317%
31	5.502	5.494	5.510	VV	12883	120149	6.62%	0.194%
32	5.522	5.510	5.538	VV	15727	212947	11.74%	0.344%
33	5.555	5.538	5.569	VV	18505	266186	14.68%	0.430%
34	5.583	5.569	5.612	VV	15012	323916	17.86%	0.523%
35	5.619	5.612	5.632	VV	10440	114235	6.30%	0.185%
36	5.691	5.659	5.711	VV	32706	637730	35.16%	1.031%

rteres								
37	5.725	5.711	5.736	VV	10549	137023	7.56%	0.221%
38	5.755	5.736	5.789	VV	13465	329493	18.17%	0.532%
39	5.809	5.789	5.822	VV	13099	208592	11.50%	0.337%
40	5.833	5.822	5.840	VV	11477	117202	6.46%	0.189%
41	5.863	5.840	5.895	VV	39977	770664	42.49%	1.245%
42	5.945	5.928	5.957	VV	15148	214666	11.84%	0.347%
43	5.990	5.957	6.015	VV	41240	935822	51.60%	1.512%
44	6.028	6.015	6.041	VV	27249	324285	17.88%	0.524%
45	6.052	6.041	6.081	VV	19726	347225	19.15%	0.561%
46	6.095	6.081	6.102	VV	16922	181350	10.00%	0.293%
47	6.114	6.102	6.138	VV	20583	289629	15.97%	0.468%
48	6.164	6.138	6.180	VV	25852	350247	19.31%	0.566%
49	6.216	6.180	6.235	VV	31046	560816	30.92%	0.906%
50	6.247	6.235	6.262	VV	17185	228904	12.62%	0.370%
51	6.350	6.327	6.365	VV	19019	333672	18.40%	0.539%
52	6.400	6.365	6.424	VV	34817	778507	42.93%	1.258%
53	6.441	6.424	6.465	VV	22349	423791	23.37%	0.685%
54	6.483	6.465	6.495	VV	26862	368448	20.32%	0.595%
55	6.511	6.495	6.534	VV	27721	567747	31.30%	0.917%
56	6.540	6.534	6.551	VV	23746	224517	12.38%	0.363%
57	6.587	6.570	6.612	VV	25847	508607	28.04%	0.822%
58	6.635	6.612	6.650	VV	28384	522936	28.83%	0.845%
59	6.659	6.650	6.678	VV	22800	351176	19.36%	0.568%
60	6.684	6.678	6.697	VV	18090	190409	10.50%	0.308%
61	6.707	6.697	6.720	VV	17815	224135	12.36%	0.362%
62	6.735	6.720	6.766	VV	23399	507548	27.99%	0.820%
63	6.804	6.766	6.828	VV	23831	703526	38.79%	1.137%
64	6.841	6.828	6.853	VV	24391	322154	17.76%	0.521%
65	6.870	6.853	6.892	VV	28783	592896	32.69%	0.958%
66	6.906	6.892	6.933	VV	41770	716210	39.49%	1.157%
67	6.946	6.933	6.956	VV	20362	247023	13.62%	0.399%
68	7.080	7.074	7.093	VV	18883	210047	11.58%	0.339%
69	7.121	7.093	7.144	VV	38917	801368	44.19%	1.295%
70	7.251	7.228	7.271	VV	32615	684706	37.75%	1.106%
71	7.290	7.271	7.322	VV	36415	778303	42.91%	1.258%
72	7.403	7.392	7.418	VV	17984	248648	13.71%	0.402%
73	7.442	7.418	7.479	VV	109356	1813633	100.00%	2.931%
74	7.499	7.479	7.520	VV	34360	637257	35.14%	1.030%
75	7.568	7.560	7.581	VV	21509	247141	13.63%	0.399%
76	7.589	7.581	7.603	VV	19133	255417	14.08%	0.413%
77	7.719	7.692	7.745	VV	28510	749833	41.34%	1.212%
78	7.756	7.745	7.768	VV	23257	299346	16.51%	0.484%
79	7.774	7.768	7.788	VV	22237	252725	13.93%	0.408%
80	7.806	7.788	7.819	VV	23101	404969	22.33%	0.654%
81	7.892	7.873	7.913	VV	26688	519167	28.63%	0.839%
82	7.932	7.913	7.946	VV	23011	381651	21.04%	0.617%
83	7.958	7.946	7.970	VV	23521	310974	17.15%	0.503%
84	7.988	7.970	7.991	VV	26545	309377	17.06%	0.500%
85	8.149	8.123	8.168	VV	21969	541484	29.86%	0.875%
86	8.282	8.267	8.326	VV	30455	820159	45.22%	1.325%
87	8.424	8.402	8.445	VV	27594	573786	31.64%	0.927%
88	8.472	8.445	8.488	VV	60979	965663	53.24%	1.561%
89	8.537	8.527	8.562	VV	24510	469879	25.91%	0.759%

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90	8.593	8.562	8.612	VV	22183	632006	34.85%	1.021%
91	8.674	8.666	8.689	VV	19827	260437	14.36%	0.421%
92	8.749	8.733	8.763	VV	26988	425719	23.47%	0.688%
93	8.770	8.763	8.787	VV	23063	300997	16.60%	0.486%
94	8.801	8.787	8.818	VV	23925	382786	21.11%	0.619%
95	8.885	8.871	8.895	VV	16717	229991	12.68%	0.372%
96	8.914	8.895	8.928	VV	24963	400990	22.11%	0.648%
97	8.974	8.967	8.993	VV	16873	253548	13.98%	0.410%
98	9.013	8.993	9.042	VV	36107	674010	37.16%	1.089%
99	9.125	9.120	9.158	VV	18199	378746	20.88%	0.612%
100	9.202	9.186	9.222	VV	30334	507103	27.96%	0.819%
101	9.240	9.222	9.262	VV	24317	480706	26.51%	0.777%
102	9.326	9.290	9.341	VV	23981	591838	32.63%	0.956%
103	9.372	9.357	9.388	VV	29079	417444	23.02%	0.675%
104	9.468	9.452	9.492	VV	18963	378904	20.89%	0.612%
105	9.530	9.492	9.548	VV	26617	599371	33.05%	0.969%
106	9.588	9.582	9.601	VV	13679	148626	8.19%	0.240%
107	9.620	9.601	9.632	VV	14009	245331	13.53%	0.396%
108	9.649	9.632	9.652	VV	17426	186996	10.31%	0.302%
109	9.668	9.652	9.706	VV	27805	602605	33.23%	0.974%
110	9.714	9.706	9.731	VV	13070	183844	10.14%	0.297%
111	9.755	9.731	9.765	VV	20381	335045	18.47%	0.541%
112	9.774	9.765	9.807	VV	19170	364677	20.11%	0.589%
113	9.833	9.807	9.867	VV	26423	630869	34.78%	1.019%
114	9.873	9.867	9.889	VV	12318	153160	8.44%	0.248%
115	9.906	9.889	9.913	VV	15120	199466	11.00%	0.322%
116	9.927	9.913	9.946	VV	19014	318746	17.57%	0.515%
117	9.957	9.946	9.979	VV	16734	273595	15.09%	0.442%
118	9.997	9.979	10.021	VV	11616	273209	15.06%	0.442%
119	10.032	10.021	10.055	VV	10956	204179	11.26%	0.330%
120	10.079	10.055	10.098	VV	14986	320981	17.70%	0.519%
121	10.126	10.098	10.150	VV	16543	425683	23.47%	0.688%
122	10.172	10.150	10.198	VV	15818	384793	21.22%	0.622%
123	10.204	10.198	10.218	VV	11404	135293	7.46%	0.219%
124	10.236	10.218	10.256	VV	11977	258839	14.27%	0.418%
125	10.273	10.256	10.313	VV	13662	374247	20.64%	0.605%
126	10.341	10.313	10.372	VV	13838	379960	20.95%	0.614%
127	10.377	10.372	10.392	VV	9485	110261	6.08%	0.178%
128	10.399	10.392	10.423	VV	9270	155840	8.59%	0.252%
129	10.445	10.423	10.473	VV	10333	273412	15.08%	0.442%
130	10.500	10.473	10.530	VV	13727	339297	18.71%	0.548%
131	10.559	10.530	10.588	VV	35602	661480	36.47%	1.069%
132	10.609	10.588	10.620	VV	14057	230990	12.74%	0.373%
133	10.637	10.620	10.661	VV	15833	310716	17.13%	0.502%
134	10.680	10.661	10.698	VV	15823	273154	15.06%	0.441%
135	10.708	10.698	10.731	VV	11696	193373	10.66%	0.312%
136	10.755	10.731	10.769	VV	12938	243216	13.41%	0.393%
137	10.775	10.769	10.797	VV	11674	171917	9.48%	0.278%
138	10.818	10.797	10.831	VV	12211	223056	12.30%	0.360%
139	10.841	10.831	10.871	VV	11712	252580	13.93%	0.408%
140	10.891	10.871	10.906	VV	12312	230377	12.70%	0.372%
141	10.928	10.906	10.945	VV	13122	268384	14.80%	0.434%

rteres								
142	10.984	10.945	11.016	VV	53091	1001743	55.23%	1.619%
143	11.027	11.016	11.076	VV	11019	338451	18.66%	0.547%
144	11.111	11.076	11.117	VV	9190	207386	11.43%	0.335%
145	11.125	11.117	11.138	VV	9866	117774	6.49%	0.190%
146	11.163	11.138	11.218	VV	14143	472956	26.08%	0.764%
147	11.244	11.218	11.278	VV	10174	314888	17.36%	0.509%
148	11.305	11.278	11.330	VV	11338	285032	15.72%	0.461%
149	11.339	11.330	11.347	VV	7812	73496	4.05%	0.119%
150	11.351	11.347	11.362	VV	7658	66268	3.65%	0.107%
151	11.386	11.362	11.414	VV	8478	245423	13.53%	0.397%
152	11.445	11.414	11.452	VV	8306	181227	9.99%	0.293%
153	11.472	11.452	11.496	VV	10758	235843	13.00%	0.381%
154	11.525	11.496	11.544	VV	9814	253885	14.00%	0.410%
155	11.561	11.544	11.584	VV	10064	221711	12.22%	0.358%
156	11.589	11.584	11.610	VV	8623	134068	7.39%	0.217%
157	11.614	11.610	11.626	VV	8832	77526	4.27%	0.125%
158	11.643	11.626	11.670	VV	8957	226172	12.47%	0.365%
159	11.709	11.670	11.740	VV	29920	646824	35.66%	1.045%
160	11.762	11.740	11.795	VV	8858	245815	13.55%	0.397%
161	11.819	11.795	11.844	VV	10153	235284	12.97%	0.380%
162	11.861	11.844	11.870	VV	7658	113963	6.28%	0.184%
163	11.886	11.870	11.919	VV	8170	222252	12.25%	0.359%
164	11.923	11.919	11.942	VV	7449	98418	5.43%	0.159%
165	11.969	11.942	11.984	VV	10818	212251	11.70%	0.343%
166	11.999	11.984	12.042	VV	12143	280918	15.49%	0.454%
167	12.065	12.042	12.092	VV	7198	194949	10.75%	0.315%
168	12.118	12.092	12.135	VV	9888	209450	11.55%	0.338%
169	12.150	12.135	12.207	VV	9069	313410	17.28%	0.506%
170	12.229	12.207	12.244	VV	6791	139246	7.68%	0.225%
171	12.270	12.244	12.295	VV	12303	278392	15.35%	0.450%
172	12.309	12.295	12.342	VV	7481	177953	9.81%	0.288%
173	12.371	12.342	12.385	VV	6334	151744	8.37%	0.245%
174	12.410	12.385	12.417	VV	6441	117233	6.46%	0.189%
175	12.419	12.417	12.462	VV	6382	151868	8.37%	0.245%
176	12.510	12.462	12.526	VV	6734	230158	12.69%	0.372%
177	12.536	12.526	12.557	VV	5761	100298	5.53%	0.162%
178	12.588	12.557	12.614	VV	5608	176612	9.74%	0.285%
179	12.620	12.614	12.638	VV	5155	72301	3.99%	0.117%
180	12.654	12.638	12.694	VV	5401	165542	9.13%	0.268%
181	12.718	12.694	12.742	VV	5576	144636	7.97%	0.234%
182	12.766	12.742	12.814	VV	6721	232313	12.81%	0.375%
183	12.820	12.814	12.830	VV	4684	45680	2.52%	0.074%
184	12.874	12.830	12.895	VV	9193	250368	13.80%	0.405%
185	12.910	12.895	12.923	VV	6128	97401	5.37%	0.157%
186	12.938	12.923	12.972	VV	6577	149654	8.25%	0.242%
187	12.991	12.972	13.007	VV	5040	93862	5.18%	0.152%
188	13.012	13.007	13.035	VV	4326	66811	3.68%	0.108%
189	13.041	13.035	13.062	VV	3920	60612	3.34%	0.098%
190	13.079	13.062	13.102	VV	4045	91427	5.04%	0.148%
191	13.118	13.102	13.142	VV	3801	83120	4.58%	0.134%
192	13.152	13.142	13.165	VV	3084	40555	2.24%	0.066%
193	13.183	13.165	13.189	VV	3365	44753	2.47%	0.072%
194	13.192	13.189	13.202	VV	3410	25550	1.41%	0.041%

					rteres			
195	13.207	13.202	13.214	VV	3314	23424	1.29%	0.038%
196	13.219	13.214	13.227	VV	3308	24642	1.36%	0.040%
197	13.233	13.227	13.239	VV	3244	24488	1.35%	0.040%
198	13.249	13.239	13.270	VV	3293	57805	3.19%	0.093%
199	13.289	13.270	13.340	VV	3933	131871	7.27%	0.213%
200	13.360	13.340	13.373	VV	3062	55997	3.09%	0.090%
201	13.389	13.373	13.396	VV	3023	39134	2.16%	0.063%
202	13.401	13.396	13.408	VV	3016	22589	1.25%	0.037%
203	13.434	13.408	13.465	VV	5227	134141	7.40%	0.217%
204	13.480	13.465	13.490	VV	3194	46368	2.56%	0.075%
205	13.496	13.490	13.531	VV	2994	62883	3.47%	0.102%
206	13.577	13.531	13.607	VV	3344	126489	6.97%	0.204%
207	13.625	13.607	13.671	VV	3659	100289	5.53%	0.162%
208	13.688	13.671	13.702	VV	2629	43086	2.38%	0.070%
209	13.721	13.702	13.746	VV	2753	58948	3.25%	0.095%
210	13.772	13.746	13.809	VV	2864	87812	4.84%	0.142%
211	13.817	13.809	13.839	VV	2060	35175	1.94%	0.057%
212	13.846	13.839	13.859	VV	1989	22981	1.27%	0.037%
213	13.879	13.859	13.912	VV	2177	59275	3.27%	0.096%
214	13.926	13.912	13.938	VV	1627	24152	1.33%	0.039%
215	13.957	13.938	13.969	VV	1721	28789	1.59%	0.047%
216	13.991	13.969	14.019	VV	2171	54382	3.00%	0.088%
217	14.047	14.019	14.108	VV	2223	94689	5.22%	0.153%
218	14.114	14.108	14.118	VV	1345	7929	0.44%	0.013%
219	14.159	14.118	14.174	VV	1843	51034	2.81%	0.082%
220	14.182	14.174	14.187	VV	1399	9906	0.55%	0.016%
221	14.203	14.187	14.222	VV	1481	27644	1.52%	0.045%
222	14.227	14.222	14.235	VV	1221	9348	0.52%	0.015%
223	14.240	14.235	14.255	VV	1184	13394	0.74%	0.022%
224	14.262	14.255	14.279	VV	1291	16112	0.89%	0.026%
225	14.281	14.279	14.328	VV	1156	26568	1.46%	0.043%
226	14.375	14.328	14.403	VV	1743	55562	3.06%	0.090%
227	14.409	14.403	14.412	VV	871	4403	0.24%	0.007%
228	14.442	14.412	14.485	VV	1104	39363	2.17%	0.064%
229	14.504	14.485	14.565	VV	1152	43594	2.40%	0.070%
230	14.602	14.565	14.608	VV	949	20559	1.13%	0.033%
231	14.616	14.608	14.637	VV	937	13144	0.72%	0.021%
232	14.650	14.637	14.675	VV	889	15923	0.88%	0.026%
233	14.679	14.675	14.687	VV	544	3407	0.19%	0.006%
234	14.705	14.687	14.729	VV	946	19566	1.08%	0.032%
235	14.739	14.729	14.743	VV	688	5210	0.29%	0.008%
236	14.761	14.743	14.803	VV	1184	29300	1.62%	0.047%
237	14.831	14.803	14.850	VV	1208	25367	1.40%	0.041%
238	14.863	14.850	14.883	VV	776	12894	0.71%	0.021%
239	14.889	14.883	14.924	VV	518	10225	0.56%	0.017%
240	14.929	14.924	14.942	VV	427	4188	0.23%	0.007%
241	14.949	14.942	14.969	VV	553	7948	0.44%	0.013%
242	14.987	14.969	15.014	VV	589	12335	0.68%	0.020%
243	15.040	15.014	15.069	VV	2667	41979	2.31%	0.068%
244	15.088	15.069	15.099	VV	513	6681	0.37%	0.011%
245	15.102	15.099	15.150	VV	343	8266	0.46%	0.013%
246	15.158	15.150	15.162	VV	307	2000	0.11%	0.003%

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247	15.177	15.162	15.185	VV	422	4509	0.25%	0.007%
248	15.192	15.185	15.198	VV	423	2689	0.15%	0.004%
249	15.223	15.198	15.239	VV	1034	16394	0.90%	0.026%
250	15.244	15.239	15.277	VV	709	10735	0.59%	0.017%
251	15.294	15.277	15.308	VV	427	5616	0.31%	0.009%
252	15.320	15.308	15.324	VV	355	2740	0.15%	0.004%
253	15.329	15.324	15.354	VV	370	4787	0.26%	0.008%
254	15.363	15.354	15.366	VV	304	1964	0.11%	0.003%
255	15.384	15.366	15.420	VV	561	10312	0.57%	0.017%
256	15.438	15.420	15.460	VV	206	2987	0.16%	0.005%
257	15.494	15.460	15.542	VV	339	9029	0.50%	0.015%
258	15.546	15.542	15.553	VV	133	585	0.03%	0.001%
259	15.564	15.553	15.570	VV	152	878	0.05%	0.001%
260	15.586	15.570	15.595	VV	165	1593	0.09%	0.003%
261	15.599	15.595	15.602	VV	147	375	0.02%	0.001%
262	15.635	15.602	15.655	VV	352	8305	0.46%	0.013%
263	15.664	15.655	15.672	VV	333	2987	0.16%	0.005%
264	15.687	15.672	15.711	VV	362	5224	0.29%	0.008%
265	15.719	15.711	15.749	VV	264	3509	0.19%	0.006%
266	15.771	15.749	15.825	VV	591	17041	0.94%	0.028%
267	15.831	15.825	15.839	VV	265	1870	0.10%	0.003%
268	15.855	15.839	15.876	VV	336	5520	0.30%	0.009%
269	15.897	15.876	15.921	VV	274	4208	0.23%	0.007%
270	15.924	15.921	15.935	VV	81	234	0.01%	0.000%
271	15.961	15.935	15.985	PV	180	2283	0.13%	0.004%
272	15.990	15.985	16.000	VV	162	984	0.05%	0.002%
273	16.028	16.000	16.052	VV	291	5174	0.29%	0.008%
274	16.080	16.052	16.111	VV	475	9122	0.50%	0.015%
275	16.123	16.111	16.131	VV	181	1524	0.08%	0.002%
276	16.139	16.131	16.149	VV	138	1136	0.06%	0.002%
277	16.155	16.149	16.163	VV	196	1051	0.06%	0.002%
278	16.166	16.163	16.180	VV	119	765	0.04%	0.001%
279	16.186	16.180	16.198	VV	183	1086	0.06%	0.002%
280	16.231	16.198	16.239	VV	270	3574	0.20%	0.006%
281	16.269	16.239	16.312	VV	842	16535	0.91%	0.027%
282	16.317	16.312	16.347	VV	278	3402	0.19%	0.005%
283	16.354	16.347	16.357	VV	131	547	0.03%	0.001%
284	16.368	16.357	16.374	VV	156	1049	0.06%	0.002%
285	16.380	16.374	16.389	VV	139	596	0.03%	0.001%
286	16.399	16.389	16.421	PV	159	2103	0.12%	0.003%
287	16.425	16.421	16.439	VV	302	1787	0.10%	0.003%
288	16.459	16.439	16.465	VV	436	4880	0.27%	0.008%
289	16.469	16.465	16.475	VV	351	1725	0.10%	0.003%
290	16.477	16.475	16.485	VV	290	1280	0.07%	0.002%
291	16.502	16.485	16.520	VV	240	3748	0.21%	0.006%
292	16.527	16.520	16.535	VV	247	1637	0.09%	0.003%
293	16.588	16.535	16.597	VV	424	10062	0.55%	0.016%
294	16.602	16.597	16.623	VV	355	4257	0.23%	0.007%
295	16.630	16.623	16.638	VV	319	2308	0.13%	0.004%
296	16.643	16.638	16.647	VV	284	1406	0.08%	0.002%
297	16.653	16.647	16.681	VV	295	4104	0.23%	0.007%
298	16.713	16.681	16.722	PV	459	5299	0.29%	0.009%
299	16.726	16.722	16.734	VV	342	1968	0.11%	0.003%

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300	16.754	16.734	16.781	VV	1241	18561	1.02%	0.030%
301	16.793	16.781	16.810	VV	293	3360	0.19%	0.005%
302	16.815	16.810	16.864	VV	260	4060	0.22%	0.007%
303	16.872	16.864	16.879	VV	258	1401	0.08%	0.002%
304	16.884	16.879	16.904	VV	303	2675	0.15%	0.004%
305	16.909	16.904	16.913	VV	208	929	0.05%	0.002%
306	16.918	16.913	16.921	VV	218	765	0.04%	0.001%
307	16.926	16.921	16.933	VV	187	1283	0.07%	0.002%
308	16.941	16.933	16.950	VV	236	1602	0.09%	0.003%
309	16.967	16.950	16.987	VV	326	5541	0.31%	0.009%
310	16.990	16.987	17.009	VV	311	2190	0.12%	0.004%
311	17.022	17.009	17.027	VV	220	1746	0.10%	0.003%
312	17.029	17.027	17.052	VV	250	2136	0.12%	0.003%
313	17.070	17.052	17.091	VV	300	5346	0.29%	0.009%
314	17.099	17.091	17.103	VV	201	1422	0.08%	0.002%
315	17.109	17.103	17.154	VV	317	4650	0.26%	0.008%
316	17.181	17.154	17.197	PV	297	4692	0.26%	0.008%
317	17.222	17.197	17.256	VV	1857	30982	1.71%	0.050%
318	17.261	17.256	17.264	VV	353	1482	0.08%	0.002%
319	17.268	17.264	17.308	VV	363	4842	0.27%	0.008%
320	17.318	17.308	17.329	VV	310	1832	0.10%	0.003%
321	17.349	17.329	17.377	VV	178	2964	0.16%	0.005%
322	17.392	17.377	17.400	VBA	239	522	0.03%	0.001%
					Sum of corrected areas:		61880879	

FG011325.M Sun Feb 09 23:56:38 2025

Report of Analysis

Client:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-11-TPH-12	SDG No.:	Q1308
Lab Sample ID:	Q1308-11	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	88.8
Sample Wt/Vol:	30.02	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
FG015353.D	50	02/06/25 09:15	02/07/25 11:08	PB166587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	660000		10400	93800	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\FG020725\
Data File : FG015353.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 11:08
Operator : YP\AJ
Sample : Q1308-11 50X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-11-TPH-12

Integration File: autoint1.e
Quant Time: Feb 08 05:53:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Quant Title :
QLast Update : Fri Jan 24 12:51:39 2025
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

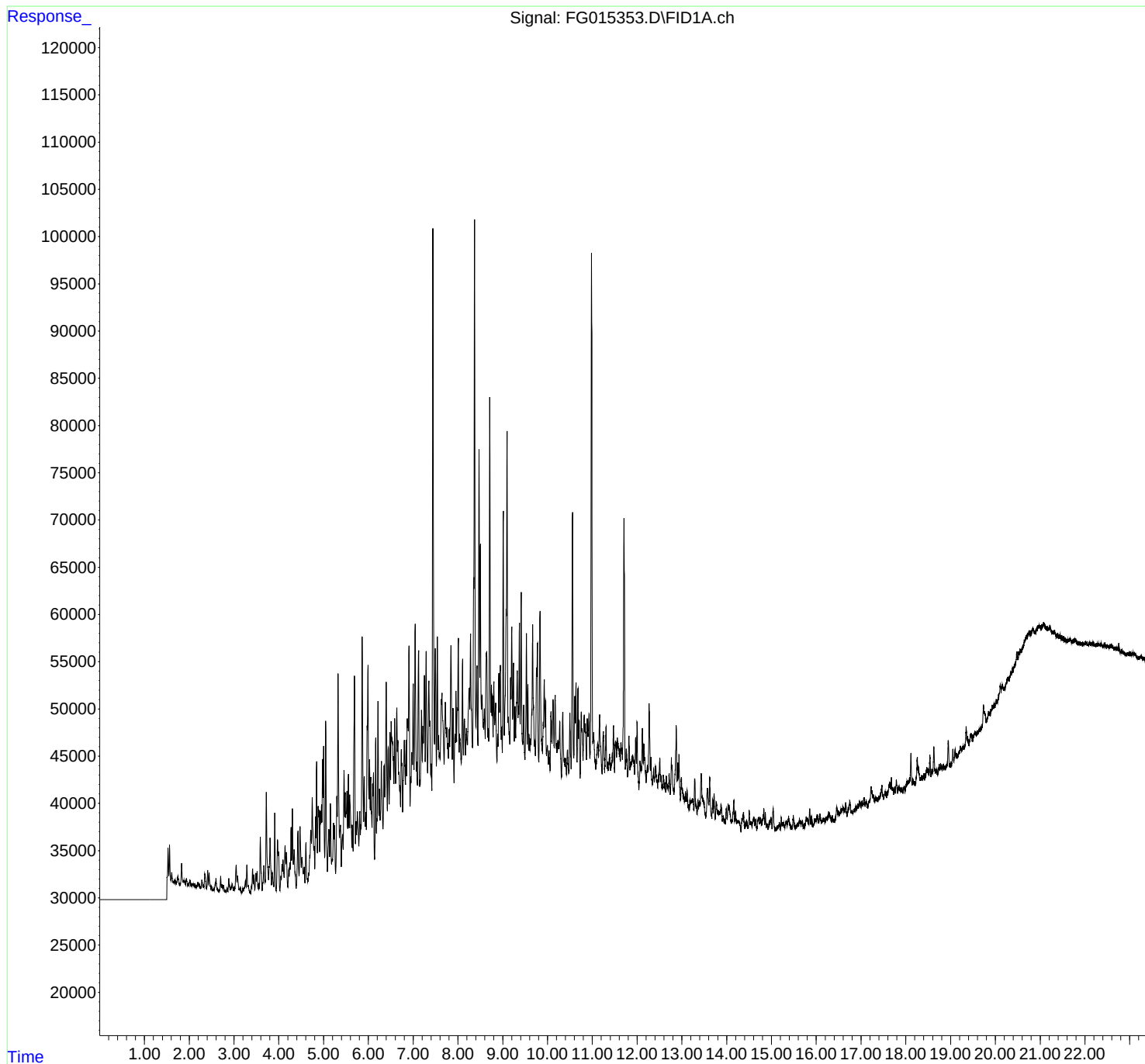
(m)=manual int.

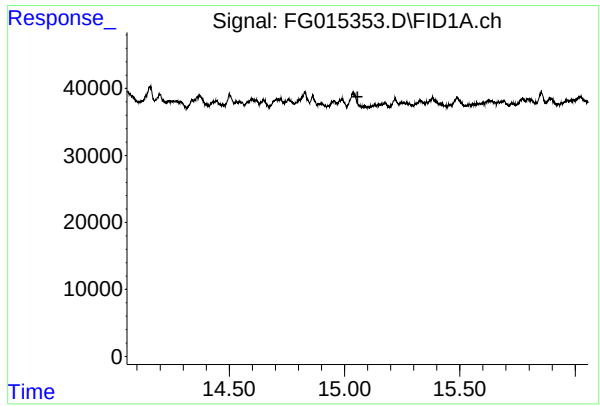
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG020725\
Data File : FG015353.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 11:08
Operator : YP\AJ
Sample : Q1308-11 50X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-11-TPH-12

Integration File: autoint1.e
Quant Time: Feb 08 05:53:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Quant Title :
QLast Update : Fri Jan 24 12:51:39 2025
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.: 15.056 min
Response: 0
Conc: N.D.

Instrument :
FID_G
ClientSampleId :
EX-11-TPH-12

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG020725\
Data File : FG015353.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 11:08
Sample : Q1308-11 50X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.427	4.374	4.455	BV	5115	59422	5.30%	0.120%
2	4.474	4.455	4.502	VV	5712	90750	8.09%	0.184%
3	4.518	4.502	4.544	VV	2538	47076	4.20%	0.095%
4	4.551	4.544	4.555	VV	1134	7144	0.64%	0.014%
5	4.567	4.555	4.585	VV	1654	17022	1.52%	0.034%
6	4.605	4.585	4.632	PV	4264	56351	5.02%	0.114%
7	4.636	4.632	4.649	VV	454	3380	0.30%	0.007%
8	4.665	4.649	4.674	VV	1019	9742	0.87%	0.020%
9	4.691	4.674	4.697	VV	2896	29159	2.60%	0.059%
10	4.715	4.697	4.730	VV	5563	90209	8.04%	0.183%
11	4.747	4.730	4.781	VV	8954	177490	15.83%	0.359%
12	4.790	4.781	4.804	VV	3781	41648	3.71%	0.084%
13	4.820	4.804	4.829	VV	6933	71659	6.39%	0.145%
14	4.844	4.829	4.861	VV	12726	149369	13.32%	0.302%
15	4.880	4.861	4.890	VV	7904	105671	9.42%	0.214%
16	4.898	4.890	4.913	VV	7570	84396	7.53%	0.171%
17	4.927	4.913	4.939	VV	7459	96065	8.57%	0.195%
18	4.954	4.939	4.963	VV	8111	100899	9.00%	0.204%
19	4.977	4.963	4.990	VV	12906	159386	14.21%	0.323%
20	5.001	4.990	5.026	VV	14267	183805	16.39%	0.372%
21	5.048	5.026	5.086	VV	16900	250835	22.37%	0.508%
22	5.119	5.086	5.136	VV	5401	105542	9.41%	0.214%
23	5.153	5.136	5.177	VV	8142	116660	10.40%	0.236%
24	5.222	5.177	5.234	VV	6063	112868	10.06%	0.229%
25	5.243	5.234	5.269	VV	5752	73561	6.56%	0.149%
26	5.297	5.269	5.305	VV	8808	101864	9.08%	0.206%
27	5.324	5.305	5.354	VV	21760	348786	31.10%	0.706%
28	5.377	5.354	5.397	VV	5737	112638	10.04%	0.228%
29	5.424	5.397	5.438	VV	4697	89593	7.99%	0.181%
30	5.458	5.438	5.472	VV	11511	160740	14.33%	0.325%
31	5.482	5.472	5.493	VV	9134	100679	8.98%	0.204%
32	5.501	5.493	5.507	VV	6950	55324	4.93%	0.112%
33	5.522	5.507	5.536	VV	9246	133907	11.94%	0.271%
34	5.554	5.536	5.569	VV	11035	164085	14.63%	0.332%
35	5.582	5.569	5.612	VV	8831	184276	16.43%	0.373%
36	5.618	5.612	5.633	VV	5644	59491	5.30%	0.120%

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37	5.646	5.633	5.659	VV	5593	67804	6.05%	0.137%
38	5.691	5.659	5.712	VV	21364	379731	33.86%	0.769%
39	5.726	5.712	5.738	VV	5961	77323	6.90%	0.157%
40	5.756	5.738	5.788	VV	6984	160510	14.31%	0.325%
41	5.809	5.788	5.822	VV	6908	111170	9.91%	0.225%
42	5.833	5.822	5.840	VV	5548	54281	4.84%	0.110%
43	5.862	5.840	5.894	VV	25409	437247	38.99%	0.885%
44	5.907	5.894	5.931	VV	10588	171517	15.29%	0.347%
45	5.946	5.931	5.957	VV	6799	91145	8.13%	0.185%
46	5.973	5.957	5.977	VV	15901	144004	12.84%	0.292%
47	5.991	5.977	6.016	VV	22337	350450	31.25%	0.710%
48	6.028	6.016	6.040	VV	12283	141345	12.60%	0.286%
49	6.052	6.040	6.065	VV	10426	127963	11.41%	0.259%
50	6.069	6.065	6.081	VV	6786	59054	5.27%	0.120%
51	6.095	6.081	6.103	VV	9691	104693	9.34%	0.212%
52	6.114	6.103	6.140	VV	10919	145788	13.00%	0.295%
53	6.164	6.140	6.180	VV	14580	187440	16.71%	0.380%
54	6.191	6.180	6.195	VV	5903	47754	4.26%	0.097%
55	6.215	6.195	6.235	VV	18410	272178	24.27%	0.551%
56	6.246	6.235	6.265	VV	9116	130709	11.66%	0.265%
57	6.291	6.265	6.328	VV	11982	302695	26.99%	0.613%
58	6.399	6.365	6.424	VV	20311	445138	39.69%	0.901%
59	6.441	6.424	6.465	VV	13336	254149	22.66%	0.515%
60	6.483	6.465	6.495	VV	14897	207133	18.47%	0.419%
61	6.510	6.495	6.553	VV	16127	473558	42.23%	0.959%
62	6.556	6.553	6.569	VV	12286	109329	9.75%	0.221%
63	6.588	6.569	6.610	VV	16372	297210	26.50%	0.602%
64	6.658	6.651	6.678	VV	14016	199051	17.75%	0.403%
65	6.683	6.678	6.699	VV	10601	125448	11.19%	0.254%
66	6.706	6.699	6.720	VV	9237	103479	9.23%	0.210%
67	6.735	6.720	6.745	VV	12966	168246	15.00%	0.341%
68	6.749	6.745	6.768	VV	11584	125870	11.22%	0.255%
69	6.803	6.768	6.828	VV	13989	389581	34.74%	0.789%
70	6.842	6.828	6.854	VV	13945	181363	16.17%	0.367%
71	6.868	6.854	6.877	VV	16098	198996	17.74%	0.403%
72	6.884	6.877	6.891	VV	15792	131769	11.75%	0.267%
73	6.947	6.933	6.954	VV	10014	111049	9.90%	0.225%
74	6.971	6.954	6.985	VV	12526	216561	19.31%	0.439%
75	7.001	6.985	7.019	VV	19828	303823	27.09%	0.615%
76	7.045	7.019	7.073	VV	26011	552626	49.28%	1.119%
77	7.081	7.073	7.094	VV	11546	134677	12.01%	0.273%
78	7.152	7.144	7.159	VV	9554	83534	7.45%	0.169%
79	7.188	7.159	7.205	VV	16930	360969	32.19%	0.731%
80	7.220	7.205	7.230	VV	15223	205785	18.35%	0.417%
81	7.252	7.230	7.271	VV	20593	410348	36.59%	0.831%
82	7.350	7.324	7.368	VV	19872	421889	37.62%	0.854%
83	7.403	7.393	7.418	VV	11157	150754	13.44%	0.305%
84	7.442	7.418	7.476	VV	67808	1121436	100.00%	2.271%
85	7.541	7.520	7.559	VV	24549	395775	35.29%	0.801%
86	7.569	7.559	7.582	VV	14074	180389	16.09%	0.365%
87	7.630	7.600	7.635	VV	17872	307570	27.43%	0.623%
88	7.644	7.635	7.693	VV	18416	526908	46.99%	1.067%
89	7.754	7.745	7.768	VV	14797	198905	17.74%	0.403%

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90	7.774	7.768	7.787	VV	13156	139028	12.40%	0.282%
91	7.845	7.819	7.874	VV	23324	576588	51.42%	1.168%
92	7.892	7.874	7.913	VV	16644	308669	27.52%	0.625%
93	7.934	7.913	7.944	VV	13984	227547	20.29%	0.461%
94	7.957	7.944	7.971	VV	18492	261166	23.29%	0.529%
95	7.987	7.971	7.992	VV	16717	190346	16.97%	0.385%
96	8.009	7.992	8.027	VV	24072	401616	35.81%	0.813%
97	8.143	8.122	8.167	VV	15512	375864	33.52%	0.761%
98	8.191	8.167	8.208	VV	14490	325325	29.01%	0.659%
99	8.282	8.267	8.324	VV	24433	609080	54.31%	1.233%
100	8.425	8.402	8.445	VV	20974	440053	39.24%	0.891%
101	8.472	8.445	8.488	VV	43757	698015	62.24%	1.413%
102	8.590	8.574	8.611	VV	16249	326056	29.07%	0.660%
103	8.676	8.666	8.686	VV	14205	163057	14.54%	0.330%
104	8.712	8.686	8.737	VV	49251	816075	72.77%	1.653%
105	8.749	8.737	8.760	VV	18805	234348	20.90%	0.475%
106	8.771	8.760	8.786	VV	17590	246962	22.02%	0.500%
107	8.802	8.786	8.822	VV	19090	357370	31.87%	0.724%
108	8.842	8.822	8.871	VV	16826	417932	37.27%	0.846%
109	8.887	8.871	8.896	VV	13539	191539	17.08%	0.388%
110	8.914	8.896	8.926	VV	19962	297604	26.54%	0.603%
111	8.946	8.926	8.966	VV	20816	423238	37.74%	0.857%
112	8.977	8.966	8.991	VV	13985	198632	17.71%	0.402%
113	9.077	9.036	9.082	VV	26534	534760	47.69%	1.083%
114	9.098	9.082	9.120	VV	45213	684527	61.04%	1.386%
115	9.125	9.120	9.159	VV	15217	322782	28.78%	0.654%
116	9.176	9.159	9.187	VV	19354	280258	24.99%	0.568%
117	9.241	9.222	9.260	VV	20810	387586	34.56%	0.785%
118	9.275	9.260	9.289	VV	16221	255919	22.82%	0.518%
119	9.373	9.356	9.389	VV	24939	378811	33.78%	0.767%
120	9.414	9.389	9.450	VV	28237	639011	56.98%	1.294%
121	9.531	9.495	9.548	VV	23707	497989	44.41%	1.008%
122	9.588	9.578	9.604	VV	13019	189759	16.92%	0.384%
123	9.621	9.604	9.632	VV	12646	205117	18.29%	0.415%
124	9.648	9.632	9.652	VV	15418	165040	14.72%	0.334%
125	9.755	9.731	9.763	VV	20073	303430	27.06%	0.614%
126	9.775	9.763	9.806	VV	22547	417852	37.26%	0.846%
127	9.929	9.889	9.946	VV	18743	508218	45.32%	1.029%
128	9.958	9.946	9.978	VV	16488	269558	24.04%	0.546%
129	10.035	10.024	10.056	VV	10978	199201	17.76%	0.403%
130	10.079	10.056	10.102	VV	15287	351406	31.34%	0.712%
131	10.171	10.150	10.197	VV	16822	400463	35.71%	0.811%
132	10.201	10.197	10.213	VV	11819	104020	9.28%	0.211%
133	10.232	10.213	10.239	VV	12150	185008	16.50%	0.375%
134	10.274	10.259	10.312	VV	14005	358013	31.92%	0.725%
135	10.378	10.369	10.390	VV	10110	119417	10.65%	0.242%
136	10.402	10.390	10.424	VV	10111	192507	17.17%	0.390%
137	10.501	10.476	10.529	VV	14891	356827	31.82%	0.723%
138	10.609	10.585	10.622	VV	16503	298059	26.58%	0.604%
139	10.680	10.660	10.699	VV	17430	318446	28.40%	0.645%
140	10.707	10.699	10.728	VV	13919	198027	17.66%	0.401%
141	10.754	10.728	10.771	VV	14824	302501	26.97%	0.613%

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142	10.776	10.771	10.793	VV	12883	154106	13.74%	0.312%
143	10.819	10.793	10.830	VV	14450	280299	24.99%	0.568%
144	10.844	10.830	10.869	VV	13538	285545	25.46%	0.578%
145	10.890	10.869	10.905	VV	14048	266609	23.77%	0.540%
146	11.033	11.016	11.079	VV	12512	401375	35.79%	0.813%
147	11.164	11.138	11.219	VV	14378	535703	47.77%	1.085%
148	11.246	11.219	11.277	VV	12510	358980	32.01%	0.727%
149	11.307	11.277	11.331	VV	12993	339740	30.30%	0.688%
150	11.340	11.331	11.361	VV	9207	156983	14.00%	0.318%
151	11.385	11.361	11.408	VV	10102	263635	23.51%	0.534%
152	11.418	11.408	11.424	VV	9051	83203	7.42%	0.168%
153	11.446	11.424	11.453	VV	10116	166578	14.85%	0.337%
154	11.475	11.453	11.495	VV	12877	269450	24.03%	0.546%
155	11.517	11.495	11.543	VV	11405	298172	26.59%	0.604%
156	11.560	11.543	11.603	VV	11649	388222	34.62%	0.786%
157	11.614	11.603	11.624	VV	10596	128178	11.43%	0.260%
158	11.644	11.624	11.652	VV	11145	177678	15.84%	0.360%
159	11.657	11.652	11.673	VV	10563	128620	11.47%	0.260%
160	11.710	11.673	11.739	VV	34858	723169	64.49%	1.464%
161	11.759	11.739	11.793	VV	10441	289134	25.78%	0.585%
162	11.820	11.793	11.844	VV	11774	289234	25.79%	0.586%
163	11.860	11.844	11.867	VV	9036	120094	10.71%	0.243%
164	11.888	11.867	11.894	VV	9448	146631	13.08%	0.297%
165	11.902	11.894	11.942	VV	9642	259879	23.17%	0.526%
166	11.968	11.942	11.984	VV	11528	238443	21.26%	0.483%
167	11.999	11.984	12.042	VV	13151	325013	28.98%	0.658%
168	12.066	12.042	12.082	VV	9017	187905	16.76%	0.380%
169	12.087	12.082	12.097	VV	8425	71234	6.35%	0.144%
170	12.118	12.097	12.137	VV	12461	244167	21.77%	0.494%
171	12.152	12.137	12.204	VV	10779	356151	31.76%	0.721%
172	12.229	12.204	12.243	VV	8500	182677	16.29%	0.370%
173	12.270	12.243	12.299	VV	14921	361823	32.26%	0.733%
174	12.309	12.299	12.341	VV	9188	194892	17.38%	0.395%
175	12.369	12.341	12.385	VV	7923	190168	16.96%	0.385%
176	12.404	12.385	12.409	VV	8196	107167	9.56%	0.217%
177	12.414	12.409	12.459	VV	8273	211898	18.90%	0.429%
178	12.478	12.459	12.485	VV	7242	102261	9.12%	0.207%
179	12.507	12.485	12.529	VV	8951	206473	18.41%	0.418%
180	12.536	12.529	12.562	VV	7164	131265	11.71%	0.266%
181	12.586	12.562	12.607	VV	7223	170438	15.20%	0.345%
182	12.622	12.607	12.637	VV	6403	108396	9.67%	0.219%
183	12.652	12.637	12.696	VV	7083	221645	19.76%	0.449%
184	12.718	12.696	12.741	VV	7329	170165	15.17%	0.345%
185	12.764	12.741	12.824	VV	8994	336203	29.98%	0.681%
186	12.872	12.824	12.895	VV	12299	345742	30.83%	0.700%
187	12.908	12.895	12.921	VV	8321	116696	10.41%	0.236%
188	12.937	12.921	12.967	VV	9225	190492	16.99%	0.386%
189	12.989	12.967	13.032	VV	6789	211780	18.88%	0.429%
190	13.042	13.032	13.066	VV	4898	92843	8.28%	0.188%
191	13.083	13.066	13.105	VV	5199	109312	9.75%	0.221%
192	13.116	13.105	13.144	VV	5307	104020	9.28%	0.211%
193	13.149	13.144	13.161	VV	3841	34880	3.11%	0.071%
194	13.184	13.161	13.190	VV	4323	66437	5.92%	0.135%

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195	13.213	13.190	13.223	VV	4278	81848	7.30%	0.166%
196	13.234	13.223	13.269	VV	4400	109362	9.75%	0.221%
197	13.287	13.269	13.336	VV	6350	171410	15.28%	0.347%
198	13.358	13.336	13.372	VV	4116	74500	6.64%	0.151%
199	13.388	13.372	13.404	VV	4102	71969	6.42%	0.146%
200	13.432	13.404	13.532	VV	6864	325533	29.03%	0.659%
201	13.571	13.532	13.577	VV	5334	101626	9.06%	0.206%
202	13.579	13.577	13.602	VV	5220	64300	5.73%	0.130%
203	13.622	13.602	13.669	VV	6487	155044	13.83%	0.314%
204	13.687	13.669	13.701	VV	3887	62012	5.53%	0.126%
205	13.719	13.701	13.749	VV	4608	92756	8.27%	0.188%
206	13.768	13.749	13.808	VV	3779	104778	9.34%	0.212%
207	13.822	13.808	13.829	VV	2724	33232	2.96%	0.067%
208	13.834	13.829	13.850	VV	2676	32236	2.87%	0.065%
209	13.878	13.850	13.904	VV	3432	87683	7.82%	0.178%
210	13.923	13.904	13.941	VV	2233	42253	3.77%	0.086%
211	13.948	13.941	13.969	VV	1851	27656	2.47%	0.056%
212	13.991	13.969	14.013	VV	2972	60451	5.39%	0.122%
213	14.029	14.013	14.046	VV	3443	55828	4.98%	0.113%
214	14.055	14.046	14.105	VV	3205	84207	7.51%	0.171%
215	14.155	14.105	14.176	VV	3720	97122	8.66%	0.197%
216	14.199	14.176	14.231	VV	2525	60011	5.35%	0.122%
217	14.242	14.231	14.256	VV	1581	22042	1.97%	0.045%
218	14.259	14.256	14.266	VV	1492	8732	0.78%	0.018%
219	14.271	14.266	14.286	VV	1540	16960	1.51%	0.034%
220	14.289	14.286	14.317	VV	1451	17796	1.59%	0.036%
221	14.338	14.317	14.344	VV	1715	17582	1.57%	0.036%
222	14.371	14.344	14.412	VV	2368	63347	5.65%	0.128%
223	14.447	14.412	14.467	VV	1511	36299	3.24%	0.074%
224	14.470	14.467	14.482	VV	853	7047	0.63%	0.014%
225	14.500	14.482	14.521	VV	2422	36717	3.27%	0.074%
226	14.532	14.521	14.538	VV	1289	11976	1.07%	0.024%
227	14.544	14.538	14.567	VV	1271	18652	1.66%	0.038%
228	14.598	14.567	14.607	VV	1726	30793	2.75%	0.062%
229	14.613	14.607	14.616	VV	1495	7367	0.66%	0.015%
230	14.620	14.616	14.641	VV	1483	17116	1.53%	0.035%
231	14.648	14.641	14.674	VV	1489	19723	1.76%	0.040%
232	14.704	14.674	14.718	VV	1592	31401	2.80%	0.064%
233	14.725	14.718	14.741	VV	1726	17027	1.52%	0.034%
234	14.758	14.741	14.782	VV	1542	30002	2.68%	0.061%
235	14.827	14.782	14.848	VV	2480	60082	5.36%	0.122%
236	14.863	14.848	14.882	VV	2034	26179	2.33%	0.053%
237	14.898	14.882	14.903	VV	872	9263	0.83%	0.019%
238	14.906	14.903	14.921	VV	732	5778	0.52%	0.012%
239	14.955	14.921	14.969	VV	1222	21164	1.89%	0.043%
240	14.989	14.969	15.010	VV	1518	24339	2.17%	0.049%
241	15.038	15.010	15.073	VV	2477	43525	3.88%	0.088%
242	15.084	15.073	15.097	VV	367	3462	0.31%	0.007%
243	15.131	15.097	15.140	VV	484	7081	0.63%	0.014%
244	15.174	15.140	15.197	VV	871	16068	1.43%	0.033%
245	15.219	15.197	15.237	VV	1376	18325	1.63%	0.037%
246	15.248	15.237	15.265	VV	846	11380	1.01%	0.023%

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247	15.270	15.265	15.299	VV	710	9971	0.89%	0.020%
248	15.329	15.299	15.349	VV	964	20219	1.80%	0.041%
249	15.382	15.349	15.447	VV	1470	38594	3.44%	0.078%
250	15.453	15.447	15.466	VV	248	2586	0.23%	0.005%
251	15.488	15.466	15.535	VV	1430	26113	2.33%	0.053%
252	15.541	15.535	15.549	VV	350	1797	0.16%	0.004%
253	15.574	15.549	15.581	VV	485	6274	0.56%	0.013%
254	15.603	15.581	15.608	VV	568	7183	0.64%	0.015%
255	15.628	15.608	15.658	VV	847	20190	1.80%	0.041%
256	15.667	15.658	15.672	VV	698	4587	0.41%	0.009%
257	15.692	15.672	15.713	VV	853	12250	1.09%	0.025%
258	15.726	15.713	15.739	PV	377	3923	0.35%	0.008%
259	15.772	15.739	15.785	VV	1074	16855	1.50%	0.034%
260	15.794	15.785	15.830	VV	1001	19689	1.76%	0.040%
261	15.853	15.830	15.874	VV	1865	26430	2.36%	0.054%
262	15.890	15.874	15.922	VV	1035	16314	1.45%	0.033%
263	15.960	15.922	15.973	PV	738	9770	0.87%	0.020%
264	15.983	15.973	15.989	VV	673	5549	0.49%	0.011%
265	15.999	15.989	16.002	VV	675	4800	0.43%	0.010%
266	16.019	16.002	16.056	VV	1107	23463	2.09%	0.048%
267	16.082	16.056	16.105	VV	1065	20880	1.86%	0.042%
268	16.107	16.105	16.124	VV	524	4057	0.36%	0.008%
269	16.130	16.124	16.141	VV	388	3213	0.29%	0.007%
270	16.187	16.141	16.194	VV	565	12522	1.12%	0.025%
271	16.216	16.194	16.251	VV	573	14297	1.27%	0.029%
272	16.274	16.251	16.282	VV	1164	13941	1.24%	0.028%
273	16.296	16.282	16.347	VV	1060	22463	2.00%	0.045%
274	16.360	16.347	16.386	VV	643	6533	0.58%	0.013%
275	16.389	16.386	16.415	PV	228	1694	0.15%	0.003%
276	16.459	16.415	16.481	VV	1409	29691	2.65%	0.060%
277	16.492	16.481	16.507	VV	802	10823	0.97%	0.022%
278	16.559	16.507	16.576	VV	1008	30949	2.76%	0.063%
279	16.595	16.576	16.620	VV	1174	24565	2.19%	0.050%
280	16.656	16.620	16.686	VV	1479	30572	2.73%	0.062%
281	16.751	16.686	16.823	VV	1476	48285	4.31%	0.098%
282	16.839	16.823	16.854	VV	506	5784	0.52%	0.012%
283	16.886	16.854	16.901	VV	754	13916	1.24%	0.028%
284	16.969	16.901	17.001	VV	1034	38794	3.46%	0.079%
285	17.026	17.001	17.044	VV	1021	18681	1.67%	0.038%
286	17.062	17.044	17.097	VV	1205	24557	2.19%	0.050%
287	17.115	17.097	17.152	VV	894	16440	1.47%	0.033%
288	17.183	17.152	17.190	PV	749	11383	1.02%	0.023%
289	17.223	17.190	17.264	VV	1970	55524	4.95%	0.112%
290	17.274	17.264	17.301	VV	1059	15144	1.35%	0.031%
291	17.308	17.301	17.319	VV	580	5112	0.46%	0.010%
292	17.325	17.319	17.349	VV	626	7559	0.67%	0.015%
293	17.358	17.349	17.377	VV	435	5201	0.46%	0.011%
Sum of corrected areas:					49384211			

Report of Analysis

Client:	ENTACT		Date Collected:	02/05/25	
Project:	North Point - 4101 Arthur Kill Rd - E9306		Date Received:	02/05/25	
Client Sample ID:	EX-11-TPH-13		SDG No.:	Q1308	
Lab Sample ID:	Q1308-12		Matrix:	SOIL	
Analytical Method:	8015D DRO		% Solid:	86.3	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
FG015354.D	100	02/06/25 09:15	02/07/25 11:37	PB166587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	1780000		21400	193000	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\FG020725\
Data File : FG015354.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 11:37
Operator : YP\AJ
Sample : Q1308-12 100X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-11-TPH-13

Integration File: autoint1.e
Quant Time: Feb 08 05:53:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Quant Title :
QLast Update : Fri Jan 24 12:51:39 2025
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

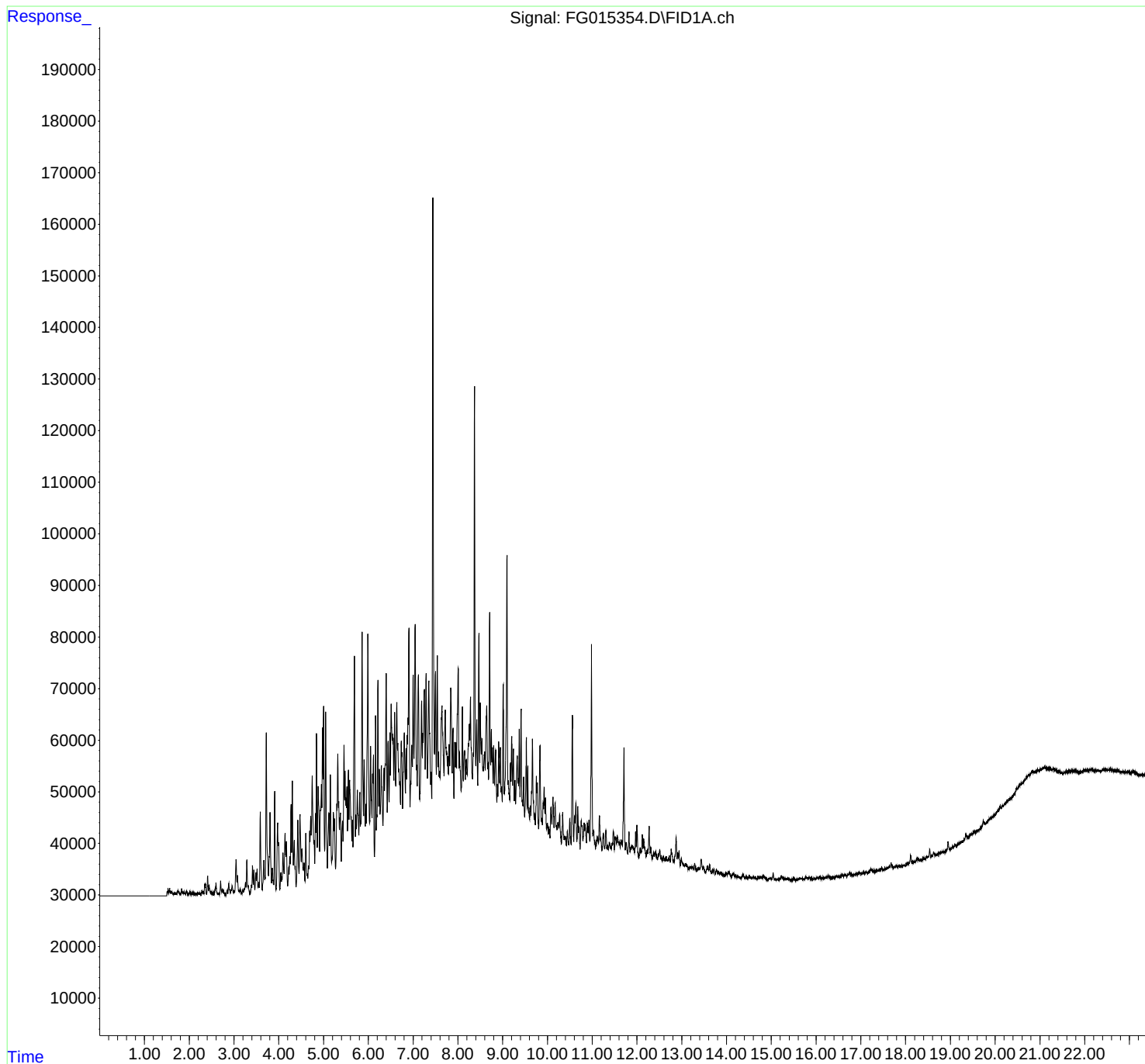
(m)=manual int.

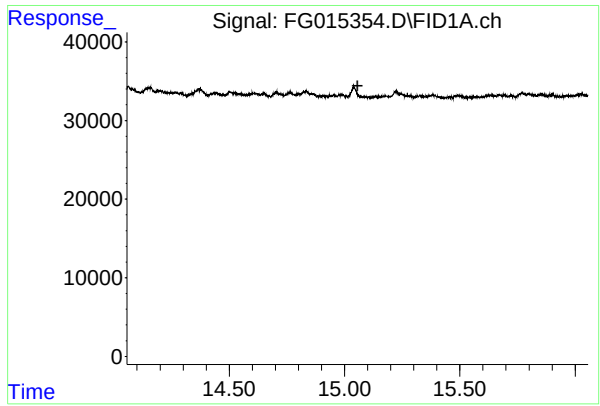
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG020725\
Data File : FG015354.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 11:37
Operator : YP\AJ
Sample : Q1308-12 100X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-11-TPH-13

Integration File: autoint1.e
Quant Time: Feb 08 05:53:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Quant Title :
QLast Update : Fri Jan 24 12:51:39 2025
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.: 15.056 min
Response: 0
Conc: N.D.

Instrument :
FID_G
ClientSampleId :
EX-11-TPH-13

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG020725\
Data File : FG015354.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 11:37
Sample : Q1308-12 100X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.369	4.350	4.386	BV	320	-4484	-0.20%	-0.007%
2	4.426	4.386	4.453	PV	12948	216068	9.79%	0.333%
3	4.474	4.453	4.502	VV	14051	252475	11.44%	0.390%
4	4.518	4.502	4.543	VV	7320	138968	6.30%	0.214%
5	4.567	4.543	4.584	VV	4668	82946	3.76%	0.128%
6	4.604	4.584	4.631	VV	10384	153985	6.98%	0.238%
7	4.637	4.631	4.648	VV	2462	22735	1.03%	0.035%
8	4.665	4.648	4.674	VV	4071	47005	2.13%	0.073%
9	4.690	4.674	4.699	VV	10874	117562	5.33%	0.181%
10	4.714	4.699	4.728	VV	13617	202145	9.16%	0.312%
11	4.747	4.728	4.784	VV	21424	480096	21.76%	0.741%
12	4.791	4.784	4.804	VV	8805	86713	3.93%	0.134%
13	4.820	4.804	4.829	VV	14220	154397	7.00%	0.238%
14	4.844	4.829	4.861	VV	29718	347889	15.77%	0.537%
15	4.881	4.861	4.913	VV	19403	429910	19.49%	0.664%
16	4.954	4.913	4.963	VV	19804	448920	20.35%	0.693%
17	4.977	4.963	4.989	VV	30724	371718	16.85%	0.574%
18	5.001	4.989	5.026	VV	34939	464774	21.07%	0.717%
19	5.048	5.026	5.087	VV	33871	562703	25.51%	0.868%
20	5.119	5.087	5.136	VV	14216	288477	13.08%	0.445%
21	5.153	5.136	5.180	VV	21679	336156	15.24%	0.519%
22	5.222	5.180	5.233	VV	14320	273264	12.39%	0.422%
23	5.243	5.233	5.270	VV	13149	194525	8.82%	0.300%
24	5.297	5.270	5.303	VV	16049	199470	9.04%	0.308%
25	5.319	5.303	5.334	VV	25648	367041	16.64%	0.566%
26	5.340	5.334	5.355	VV	16382	181344	8.22%	0.280%
27	5.377	5.355	5.397	VV	14164	281022	12.74%	0.434%
28	5.424	5.397	5.437	VV	12633	241039	10.93%	0.372%
29	5.458	5.437	5.471	VV	27318	389689	17.66%	0.601%
30	5.481	5.471	5.495	VV	22318	273841	12.41%	0.423%
31	5.501	5.495	5.511	VV	17053	158913	7.20%	0.245%
32	5.522	5.511	5.537	VV	19304	248880	11.28%	0.384%
33	5.556	5.537	5.570	VV	22561	331124	15.01%	0.511%
34	5.582	5.570	5.613	VV	20537	442639	20.06%	0.683%
35	5.618	5.613	5.635	VV	13494	151416	6.86%	0.234%
36	5.647	5.635	5.660	VV	12893	160013	7.25%	0.247%

rteres								
37	5.691	5.660	5.712	VV	44626	789391	35.78%	1.218%
38	5.725	5.712	5.736	VV	13848	177485	8.05%	0.274%
39	5.809	5.789	5.824	VV	18149	303704	13.77%	0.469%
40	5.833	5.824	5.840	VV	12658	110429	5.01%	0.170%
41	5.862	5.840	5.894	VV	49125	886390	40.18%	1.368%
42	5.908	5.894	5.932	VV	24482	409915	18.58%	0.633%
43	6.052	6.027	6.082	VV	27009	583846	26.47%	0.901%
44	6.095	6.082	6.104	VV	21635	244294	11.07%	0.377%
45	6.164	6.138	6.180	VV	32922	452927	20.53%	0.699%
46	6.247	6.234	6.263	VV	22604	312493	14.17%	0.482%
47	6.351	6.328	6.363	VV	22753	381167	17.28%	0.588%
48	6.442	6.424	6.465	VV	28017	528394	23.95%	0.816%
49	6.483	6.465	6.495	VV	29637	426752	19.34%	0.659%
50	6.539	6.533	6.549	VV	29448	274076	12.42%	0.423%
51	6.555	6.549	6.571	VV	28609	331422	15.02%	0.512%
52	6.588	6.571	6.613	VV	33586	634999	28.78%	0.980%
53	6.637	6.613	6.652	VV	35490	666762	30.22%	1.029%
54	6.659	6.652	6.679	VV	27565	403073	18.27%	0.622%
55	6.685	6.679	6.700	VV	22642	277665	12.59%	0.429%
56	6.705	6.700	6.719	VV	20139	205200	9.30%	0.317%
57	6.803	6.766	6.829	VV	29571	856979	38.85%	1.323%
58	6.843	6.829	6.854	VV	26569	349833	15.86%	0.540%
59	6.868	6.854	6.874	VV	29000	304679	13.81%	0.470%
60	6.886	6.874	6.891	VV	32363	317629	14.40%	0.490%
61	6.948	6.934	6.953	VV	19728	209649	9.50%	0.324%
62	6.969	6.953	6.985	VV	27177	474556	21.51%	0.732%
63	7.002	6.985	7.020	VV	40779	652935	29.60%	1.008%
64	7.046	7.020	7.075	VV	50527	1180860	53.53%	1.823%
65	7.081	7.075	7.095	VV	23242	247218	11.21%	0.382%
66	7.118	7.095	7.145	VV	40731	900323	40.81%	1.390%
67	7.220	7.207	7.228	VV	29510	337001	15.28%	0.520%
68	7.291	7.271	7.322	VV	40807	918190	41.62%	1.417%
69	7.442	7.417	7.479	VV	132297	2206032	100.00%	3.405%
70	7.542	7.520	7.559	VV	44268	737941	33.45%	1.139%
71	7.568	7.559	7.582	VV	25853	325363	14.75%	0.502%
72	7.591	7.582	7.604	VV	22048	280882	12.73%	0.434%
73	7.720	7.692	7.767	VV	34010	1213421	55.00%	1.873%
74	7.775	7.767	7.789	VV	24814	306188	13.88%	0.473%
75	7.805	7.789	7.818	VV	27223	434097	19.68%	0.670%
76	7.892	7.874	7.913	VV	30163	576138	26.12%	0.889%
77	7.933	7.913	7.945	VV	27604	448037	20.31%	0.691%
78	8.008	7.970	8.026	VV	41799	1091140	49.46%	1.684%
79	8.143	8.122	8.147	VV	25861	361167	16.37%	0.557%
80	8.152	8.147	8.168	VV	25582	285607	12.95%	0.441%
81	8.257	8.211	8.269	VV	31047	929410	42.13%	1.434%
82	8.373	8.352	8.401	VV	95864	1441560	65.35%	2.225%
83	8.470	8.445	8.487	VV	48525	842769	38.20%	1.301%
84	8.537	8.524	8.559	VV	27980	531360	24.09%	0.820%
85	8.646	8.614	8.665	VV	34492	894087	40.53%	1.380%
86	8.675	8.665	8.688	VV	23317	306066	13.87%	0.472%
87	8.749	8.732	8.762	VV	29986	477570	21.65%	0.737%
88	8.802	8.787	8.819	VV	26743	438044	19.86%	0.676%
89	8.913	8.896	8.931	VV	27600	464841	21.07%	0.717%

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90	8.977	8.967	8.992	VV	18892	265790	12.05%	0.410%
91	9.013	8.992	9.037	VV	38450	682457	30.94%	1.053%
92	9.126	9.119	9.158	VV	20065	428654	19.43%	0.662%
93	9.175	9.158	9.187	VV	23334	352035	15.96%	0.543%
94	9.241	9.223	9.260	VV	26144	489255	22.18%	0.755%
95	9.275	9.260	9.291	VV	20014	330285	14.97%	0.510%
96	9.347	9.341	9.357	VV	20412	184897	8.38%	0.285%
97	9.372	9.357	9.388	VV	29860	433367	19.64%	0.669%
98	9.440	9.437	9.454	VV	16216	156122	7.08%	0.241%
99	9.469	9.454	9.492	VV	20654	388050	17.59%	0.599%
100	9.531	9.492	9.548	VV	28261	643919	29.19%	0.994%
101	9.563	9.548	9.579	VV	22770	331789	15.04%	0.512%
102	9.587	9.579	9.602	VV	14742	189391	8.59%	0.292%
103	9.621	9.602	9.634	VV	14906	268676	12.18%	0.415%
104	9.668	9.634	9.706	VV	28122	786551	35.65%	1.214%
105	9.716	9.706	9.734	VV	13568	213005	9.66%	0.329%
106	9.755	9.734	9.766	VV	20642	318211	14.42%	0.491%
107	9.775	9.766	9.804	VV	19508	348095	15.78%	0.537%
108	9.833	9.804	9.867	VV	26671	653551	29.63%	1.009%
109	9.875	9.867	9.886	VV	12604	137632	6.24%	0.212%
110	9.905	9.886	9.913	VV	15542	226637	10.27%	0.350%
111	9.928	9.913	9.946	VV	18506	317383	14.39%	0.490%
112	9.957	9.946	9.981	VV	16596	287085	13.01%	0.443%
113	9.999	9.981	10.021	VV	11653	263047	11.92%	0.406%
114	10.034	10.021	10.058	VV	10890	223760	10.14%	0.345%
115	10.079	10.058	10.102	VV	14790	328627	14.90%	0.507%
116	10.127	10.102	10.150	VV	16796	393860	17.85%	0.608%
117	10.173	10.150	10.217	VV	15612	507784	23.02%	0.784%
118	10.235	10.217	10.255	VV	11807	250931	11.37%	0.387%
119	10.274	10.255	10.312	VV	13268	368480	16.70%	0.569%
120	10.341	10.312	10.370	VV	13714	356904	16.18%	0.551%
121	10.379	10.370	10.393	VV	8956	119692	5.43%	0.185%
122	10.399	10.393	10.424	VV	8929	155404	7.04%	0.240%
123	10.444	10.424	10.470	VV	10087	235425	10.67%	0.363%
124	10.500	10.470	10.529	VV	12475	330627	14.99%	0.510%
125	10.558	10.529	10.587	VV	32455	609359	27.62%	0.940%
126	10.608	10.587	10.619	VV	13018	215768	9.78%	0.333%
127	10.636	10.619	10.660	VV	15529	295342	13.39%	0.456%
128	10.679	10.660	10.698	VV	14824	261781	11.87%	0.404%
129	10.708	10.698	10.730	VV	10763	178396	8.09%	0.275%
130	10.755	10.730	10.793	VV	12085	373673	16.94%	0.577%
131	10.819	10.793	10.830	VV	11604	224375	10.17%	0.346%
132	10.841	10.830	10.869	VV	11315	230411	10.44%	0.356%
133	10.891	10.869	10.904	VV	11552	211468	9.59%	0.326%
134	10.927	10.904	10.947	VV	11977	263412	11.94%	0.407%
135	10.984	10.947	11.014	VV	45707	865631	39.24%	1.336%
136	11.027	11.014	11.076	VV	10153	320078	14.51%	0.494%
137	11.115	11.076	11.124	VV	8679	230063	10.43%	0.355%
138	11.127	11.124	11.138	VV	8783	70223	3.18%	0.108%
139	11.163	11.138	11.219	VV	12952	434851	19.71%	0.671%
140	11.247	11.219	11.279	VV	9624	284597	12.90%	0.439%
141	11.306	11.279	11.332	VV	10146	256667	11.63%	0.396%

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142	11.338	11.332	11.359	VV	7079	110570	5.01%	0.171%
143	11.384	11.359	11.411	VV	7787	222558	10.09%	0.343%
144	11.442	11.411	11.452	VV	7541	174519	7.91%	0.269%
145	11.474	11.452	11.497	VV	9960	221305	10.03%	0.342%
146	11.516	11.497	11.544	VV	8850	228445	10.36%	0.353%
147	11.561	11.544	11.603	VV	8942	286665	12.99%	0.442%
148	11.612	11.603	11.626	VV	7787	100778	4.57%	0.156%
149	11.642	11.626	11.672	VV	8146	213105	9.66%	0.329%
150	11.709	11.672	11.742	VV	25778	569719	25.83%	0.879%
151	11.762	11.742	11.791	VV	7655	199794	9.06%	0.308%
152	11.820	11.791	11.844	VV	9779	233149	10.57%	0.360%
153	11.858	11.844	11.872	VV	6809	110288	5.00%	0.170%
154	11.884	11.872	11.892	VV	7097	79445	3.60%	0.123%
155	11.899	11.892	11.943	VV	6982	200734	9.10%	0.310%
156	11.970	11.943	11.984	VV	9754	193170	8.76%	0.298%
157	12.000	11.984	12.039	VV	11077	247283	11.21%	0.382%
158	12.068	12.039	12.099	VV	6574	207312	9.40%	0.320%
159	12.118	12.099	12.135	VV	9104	164117	7.44%	0.253%
160	12.151	12.135	12.206	VV	8234	280831	12.73%	0.433%
161	12.226	12.206	12.244	VV	6139	129668	5.88%	0.200%
162	12.271	12.244	12.294	VV	10832	241568	10.95%	0.373%
163	12.310	12.294	12.343	VV	6702	164532	7.46%	0.254%
164	12.372	12.343	12.387	VV	5831	134906	6.12%	0.208%
165	12.412	12.387	12.459	VV	5824	226535	10.27%	0.350%
166	12.474	12.459	12.489	VV	5374	91028	4.13%	0.140%
167	12.508	12.489	12.529	VV	6233	132013	5.98%	0.204%
168	12.539	12.529	12.559	VV	5060	82250	3.73%	0.127%
169	12.585	12.559	12.608	VV	4905	133994	6.07%	0.207%
170	12.620	12.608	12.636	VV	4522	72024	3.26%	0.111%
171	12.653	12.636	12.669	VV	4929	88728	4.02%	0.137%
172	12.674	12.669	12.692	VV	4383	59127	2.68%	0.091%
173	12.719	12.692	12.742	VV	5035	133142	6.04%	0.205%
174	12.763	12.742	12.827	VV	6328	242008	10.97%	0.374%
175	12.874	12.827	12.893	VV	8624	226478	10.27%	0.350%
176	12.910	12.893	12.921	VV	5555	86456	3.92%	0.133%
177	12.938	12.921	12.972	VV	5951	136659	6.19%	0.211%
178	12.991	12.972	13.034	VV	4557	138442	6.28%	0.214%
179	13.040	13.034	13.047	VV	3303	24122	1.09%	0.037%
180	13.051	13.047	13.062	VV	3178	29463	1.34%	0.045%
181	13.081	13.062	13.102	VV	3450	76827	3.48%	0.119%
182	13.117	13.102	13.167	VV	3318	107016	4.85%	0.165%
183	13.186	13.167	13.199	VV	2920	51735	2.35%	0.080%
184	13.208	13.199	13.224	VV	2834	41606	1.89%	0.064%
185	13.241	13.224	13.269	VV	2838	71780	3.25%	0.111%
186	13.289	13.269	13.341	VV	3477	113338	5.14%	0.175%
187	13.361	13.341	13.376	VV	2725	51070	2.32%	0.079%
188	13.385	13.376	13.399	VV	2598	34071	1.54%	0.053%
189	13.406	13.399	13.411	VV	2525	17669	0.80%	0.027%
190	13.434	13.411	13.532	VV	4302	201538	9.14%	0.311%
191	13.572	13.532	13.604	VV	2919	102516	4.65%	0.158%
192	13.624	13.604	13.672	VV	3230	91182	4.13%	0.141%
193	13.690	13.672	13.702	VV	2292	34347	1.56%	0.053%
194	13.720	13.702	13.742	VV	2405	46920	2.13%	0.072%

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195	13.771	13.742	13.806	VV	2300	70085	3.18%	0.108%
196	13.814	13.806	13.841	VV	1716	33202	1.51%	0.051%
197	13.847	13.841	13.852	VV	1551	10407	0.47%	0.016%
198	13.882	13.852	13.906	VV	1785	48763	2.21%	0.075%
199	13.924	13.906	13.932	VV	1273	19118	0.87%	0.030%
200	13.935	13.932	13.949	VV	1256	11420	0.52%	0.018%
201	13.957	13.949	13.969	VV	1150	13324	0.60%	0.021%
202	13.994	13.969	14.010	VV	1686	34709	1.57%	0.054%
203	14.047	14.010	14.052	VV	1752	38395	1.74%	0.059%
204	14.054	14.052	14.113	VV	1721	45331	2.05%	0.070%
205	14.152	14.113	14.182	VV	1495	48037	2.18%	0.074%
206	14.196	14.182	14.229	VV	1110	26645	1.21%	0.041%
207	14.234	14.229	14.241	VV	822	5457	0.25%	0.008%
208	14.246	14.241	14.256	VV	786	7000	0.32%	0.011%
209	14.262	14.256	14.266	VV	843	4880	0.22%	0.008%
210	14.270	14.266	14.284	VV	867	8372	0.38%	0.013%
211	14.290	14.284	14.321	VV	743	12543	0.57%	0.019%
212	14.375	14.321	14.405	VV	1315	42691	1.94%	0.066%
213	14.432	14.405	14.439	VV	754	12559	0.57%	0.019%
214	14.443	14.439	14.463	VV	774	9383	0.43%	0.014%
215	14.468	14.463	14.470	VV	508	2182	0.10%	0.003%
216	14.474	14.470	14.483	VV	528	3646	0.17%	0.006%
217	14.499	14.483	14.535	VV	889	21797	0.99%	0.034%
218	14.540	14.535	14.547	VV	645	4646	0.21%	0.007%
219	14.552	14.547	14.567	VV	664	6381	0.29%	0.010%
220	14.609	14.567	14.614	VV	728	16563	0.75%	0.026%
221	14.618	14.614	14.636	VV	674	7675	0.35%	0.012%
222	14.652	14.636	14.681	VV	681	12599	0.57%	0.019%
223	14.706	14.681	14.739	VV	850	19689	0.89%	0.030%
224	14.757	14.739	14.787	VV	742	17215	0.78%	0.027%
225	14.834	14.787	14.849	VV	944	25364	1.15%	0.039%
226	14.863	14.849	14.887	VV	646	10297	0.47%	0.016%
227	14.892	14.887	14.901	VV	344	2258	0.10%	0.003%
228	14.905	14.901	14.915	VV	315	2380	0.11%	0.004%
229	14.921	14.915	14.930	VV	302	2155	0.10%	0.003%
230	14.952	14.930	14.967	VV	413	7007	0.32%	0.011%
231	14.992	14.967	15.016	VV	474	10155	0.46%	0.016%
232	15.039	15.016	15.079	VV	1423	24850	1.13%	0.038%
233	15.087	15.079	15.110	VV	196	2616	0.12%	0.004%
234	15.128	15.110	15.156	VV	236	4727	0.21%	0.007%
235	15.159	15.156	15.163	VV	234	864	0.04%	0.001%
236	15.178	15.163	15.189	VV	341	3651	0.17%	0.006%
237	15.223	15.189	15.237	VV	938	14339	0.65%	0.022%
238	15.245	15.237	15.271	VV	620	8471	0.38%	0.013%
239	15.273	15.271	15.302	VV	515	4421	0.20%	0.007%
240	15.308	15.302	15.321	VV	201	2038	0.09%	0.003%
241	15.325	15.321	15.343	VV	307	3240	0.15%	0.005%
242	15.349	15.343	15.357	VV	211	1519	0.07%	0.002%
243	15.384	15.357	15.413	VV	428	8488	0.38%	0.013%
244	15.417	15.413	15.432	VV	91	598	0.03%	0.001%
245	15.438	15.432	15.459	VV	87	956	0.04%	0.001%
246	15.464	15.459	15.470	VV	161	550	0.02%	0.001%

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247	15.494	15.470	15.547	PV	322	7049	0.32%	0.011%
248	15.558	15.547	15.564	VV	75	522	0.02%	0.001%
249	15.576	15.564	15.585	VV	138	1185	0.05%	0.002%
250	15.600	15.585	15.604	VV	146	1002	0.05%	0.002%
251	15.624	15.604	15.646	VV	333	5576	0.25%	0.009%
252	15.650	15.646	15.657	VV	276	1589	0.07%	0.002%
253	15.666	15.657	15.686	VV	338	4455	0.20%	0.007%
254	15.693	15.686	15.709	VV	296	2996	0.14%	0.005%
255	15.721	15.709	15.745	VV	246	3270	0.15%	0.005%
256	15.771	15.745	15.790	VV	661	10403	0.47%	0.016%
257	15.796	15.790	15.833	VV	402	7530	0.34%	0.012%
258	15.855	15.833	15.880	VV	455	7184	0.33%	0.011%
259	15.907	15.880	15.928	VV	320	4565	0.21%	0.007%
260	15.933	15.928	15.937	PV	126	290	0.01%	0.000%
261	15.964	15.937	15.972	VV	212	2267	0.10%	0.003%
262	16.032	15.972	16.047	VV	370	8531	0.39%	0.013%
263	16.081	16.047	16.122	VV	438	10583	0.48%	0.016%
264	16.158	16.122	16.169	VV	291	4806	0.22%	0.007%
265	16.177	16.169	16.193	VV	220	2264	0.10%	0.003%
266	16.217	16.193	16.224	VV	258	3419	0.15%	0.005%
267	16.234	16.224	16.239	VV	314	2257	0.10%	0.003%
268	16.273	16.239	16.296	VV	523	12067	0.55%	0.019%
269	16.299	16.296	16.318	VV	336	3909	0.18%	0.006%
270	16.325	16.318	16.346	VV	307	2762	0.13%	0.004%
271	16.360	16.346	16.364	PV	156	1057	0.05%	0.002%
272	16.372	16.364	16.391	VV	179	1971	0.09%	0.003%
273	16.400	16.391	16.409	VV	161	1082	0.05%	0.002%
274	16.416	16.409	16.420	VV	171	624	0.03%	0.001%
275	16.425	16.420	16.429	VV	195	565	0.03%	0.001%
276	16.458	16.429	16.463	VV	465	5784	0.26%	0.009%
277	16.467	16.463	16.485	VV	435	3672	0.17%	0.006%
278	16.513	16.485	16.527	VV	256	4791	0.22%	0.007%
279	16.576	16.527	16.581	VV	346	6971	0.32%	0.011%
280	16.598	16.581	16.621	VV	404	6853	0.31%	0.011%
281	16.658	16.621	16.685	VV	345	8469	0.38%	0.013%
282	16.751	16.685	16.780	VV	712	18642	0.85%	0.029%
283	16.785	16.780	16.820	VV	229	4537	0.21%	0.007%
284	16.851	16.820	16.859	VV	234	3634	0.16%	0.006%
285	16.879	16.859	16.895	VV	243	3491	0.16%	0.005%
286	16.979	16.895	17.004	VV	399	14476	0.66%	0.022%
287	17.024	17.004	17.044	VV	264	4709	0.21%	0.007%
288	17.065	17.044	17.096	VV	281	6900	0.31%	0.011%
289	17.121	17.096	17.157	VV	292	6336	0.29%	0.010%
290	17.223	17.157	17.264	PV	956	23421	1.06%	0.036%
291	17.271	17.264	17.306	VV	291	4180	0.19%	0.006%
292	17.317	17.306	17.326	VV	240	1405	0.06%	0.002%
293	17.348	17.326	17.384	PV	179	3034	0.14%	0.005%
Sum of corrected areas:						64792101		

FG011325.M Mon Feb 10 00:01:47 2025

Report of Analysis

Client:	ENTACT		Date Collected:	02/05/25	
Project:	North Point - 4101 Arthur Kill Rd - E9306		Date Received:	02/05/25	
Client Sample ID:	EX-11-TPH-14		SDG No.:	Q1308	
Lab Sample ID:	Q1308-13		Matrix:	SOIL	
Analytical Method:	8015D DRO		% Solid:	82.1	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
FG015355.D	20	02/06/25 09:15	02/07/25 12:05	PB166587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	284000		4490	40500	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	0.59		37 - 130	59%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG020725\
Data File : FG015355.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 12:05
Operator : YP\AJ
Sample : Q1308-13 20X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-11-TPH-14

Integration File: autoint1.e
Quant Time: Feb 08 05:54:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Quant Title :
QLast Update : Fri Jan 24 12:51:39 2025
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...	15.040	75863	0.591 ug/ml

Target Compounds

(f)=RT Delta > 1/2 Window

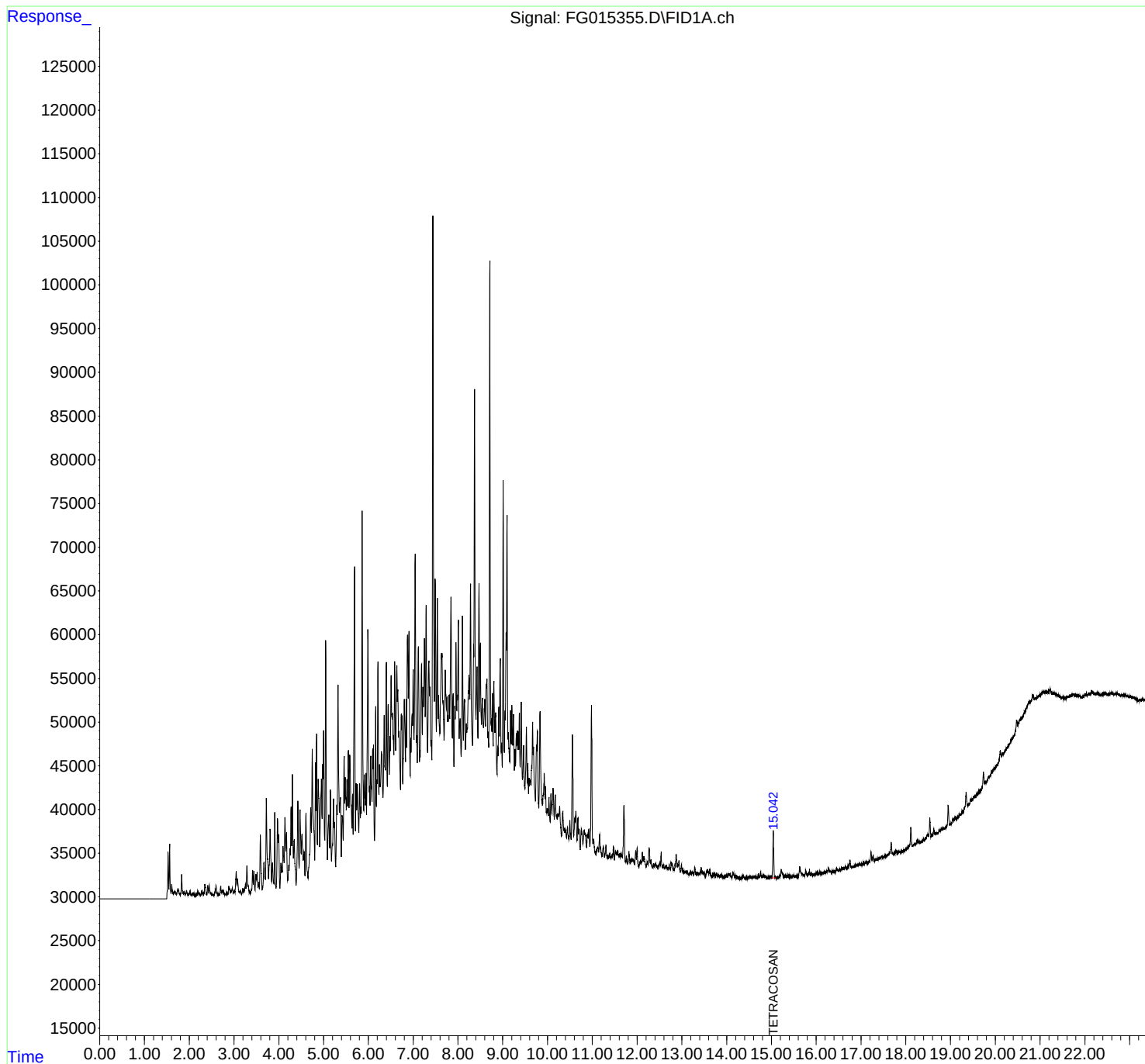
(m)=manual int.

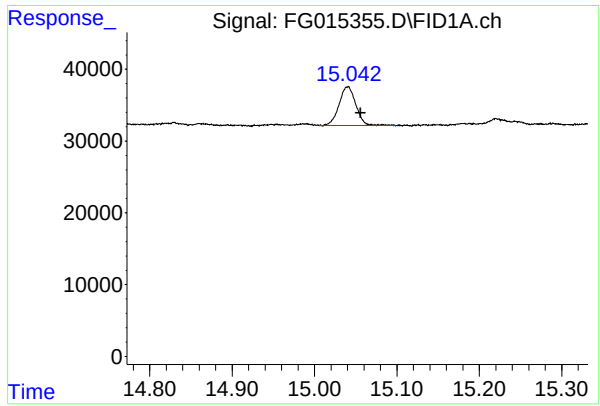
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG020725\
Data File : FG015355.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 12:05
Operator : YP\AJ
Sample : Q1308-13 20X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-11-TPH-14

Integration File: autoint1.e
Quant Time: Feb 08 05:54:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Quant Title :
QLast Update : Fri Jan 24 12:51:39 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#9 TETRACOSANE-d50 (SURROGATE)

R.T.: 15.040 min
Delta R.T.: -0.016 min
Response: 75863
Conc: 0.59 ug/ml

Instrument :
FID_G
ClientSampleId :
EX-11-TPH-14

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG020725\
Data File : FG015355.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 12:05
Sample : Q1308-13 20X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.427	4.373	4.454	BV	8431	110819	8.34%	0.225%
2	4.474	4.454	4.501	VV	7471	121056	9.11%	0.246%
3	4.517	4.501	4.541	VV	4794	85014	6.40%	0.172%
4	4.550	4.541	4.556	VV	2216	18278	1.38%	0.037%
5	4.567	4.556	4.585	VV	2847	30591	2.30%	0.062%
6	4.605	4.585	4.650	VV	7293	105055	7.91%	0.213%
7	4.713	4.650	4.728	PV	7965	157316	11.84%	0.319%
8	4.747	4.728	4.802	VV	14696	334519	25.18%	0.679%
9	4.820	4.802	4.831	VV	13155	143652	10.81%	0.291%
10	4.844	4.831	4.861	VV	16482	184831	13.91%	0.375%
11	4.880	4.861	4.914	VV	11287	248585	18.71%	0.504%
12	4.953	4.914	4.965	VV	11282	249975	18.82%	0.507%
13	4.980	4.965	4.989	VV	12964	150774	11.35%	0.306%
14	5.001	4.989	5.026	VV	16857	235706	17.74%	0.478%
15	5.048	5.026	5.087	VV	27131	410374	30.89%	0.833%
16	5.117	5.087	5.137	VV	7197	152356	11.47%	0.309%
17	5.153	5.137	5.176	VV	10085	142002	10.69%	0.288%
18	5.221	5.176	5.235	VV	9048	176988	13.32%	0.359%
19	5.244	5.235	5.271	VV	6375	91303	6.87%	0.185%
20	5.296	5.271	5.304	VV	8336	108069	8.14%	0.219%
21	5.323	5.304	5.354	VV	22036	398325	29.98%	0.808%
22	5.376	5.354	5.396	VV	9173	178369	13.43%	0.362%
23	5.415	5.396	5.438	VV	7111	142781	10.75%	0.290%
24	5.459	5.438	5.472	VV	13899	198936	14.98%	0.404%
25	5.482	5.472	5.509	VV	11503	211611	15.93%	0.429%
26	5.523	5.509	5.533	VV	11229	140435	10.57%	0.285%
27	5.554	5.533	5.569	VV	14484	252755	19.03%	0.513%
28	5.586	5.569	5.633	VV	14065	385788	29.04%	0.783%
29	5.647	5.633	5.660	VV	9586	120445	9.07%	0.244%
30	5.691	5.660	5.712	VV	35569	561447	42.26%	1.139%
31	5.726	5.712	5.740	VV	10783	145917	10.98%	0.296%
32	5.756	5.740	5.787	VV	10729	226549	17.05%	0.460%
33	5.807	5.787	5.823	VV	10750	183078	13.78%	0.371%
34	5.832	5.823	5.841	VV	8102	79809	6.01%	0.162%
35	5.861	5.841	5.896	VV	41951	651084	49.01%	1.321%
36	5.909	5.896	5.932	VV	11802	211629	15.93%	0.429%

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37	5.946	5.932	5.959	VV	11996	161310	12.14%	0.327%
38	5.991	5.959	6.022	VV	28445	614620	46.27%	1.247%
39	6.028	6.022	6.038	VV	10458	91149	6.86%	0.185%
40	6.052	6.038	6.067	VV	13945	198259	14.92%	0.402%
41	6.070	6.067	6.080	VV	10444	78475	5.91%	0.159%
42	6.095	6.080	6.104	VV	14759	179069	13.48%	0.363%
43	6.114	6.104	6.137	VV	15227	204143	15.37%	0.414%
44	6.164	6.137	6.179	VV	19617	281373	21.18%	0.571%
45	6.192	6.179	6.197	VV	11214	106141	7.99%	0.215%
46	6.214	6.197	6.234	VV	24749	379672	28.58%	0.770%
47	6.247	6.234	6.271	VV	12962	246078	18.52%	0.499%
48	6.292	6.271	6.328	VV	14397	411165	30.95%	0.834%
49	6.354	6.328	6.380	VV	18582	426295	32.09%	0.865%
50	6.401	6.380	6.423	VV	24630	440248	33.14%	0.893%
51	6.441	6.423	6.466	VV	19771	403430	30.37%	0.819%
52	6.483	6.466	6.492	VV	16172	222146	16.72%	0.451%
53	6.508	6.492	6.532	VV	23178	466429	35.11%	0.946%
54	6.538	6.532	6.551	VV	18815	203822	15.34%	0.414%
55	6.555	6.551	6.568	VV	16306	163392	12.30%	0.332%
56	6.589	6.568	6.612	VV	24733	486068	36.59%	0.986%
57	6.638	6.612	6.649	VV	24256	457414	34.43%	0.928%
58	6.657	6.649	6.679	VV	21525	346107	26.05%	0.702%
59	6.685	6.679	6.718	VV	16738	324056	24.39%	0.658%
60	6.735	6.718	6.743	VV	18740	235905	17.76%	0.479%
61	6.752	6.743	6.768	VV	18399	233177	17.55%	0.473%
62	6.843	6.830	6.855	VV	20327	258278	19.44%	0.524%
63	6.873	6.855	6.894	VV	27644	555460	41.81%	1.127%
64	6.946	6.933	6.954	VV	15921	184206	13.87%	0.374%
65	6.977	6.954	6.987	VV	18788	338297	25.47%	0.686%
66	7.001	6.987	7.019	VV	23858	385243	29.00%	0.782%
67	7.080	7.075	7.093	VV	16279	164773	12.40%	0.334%
68	7.116	7.093	7.143	VV	26328	593190	44.65%	1.204%
69	7.187	7.158	7.205	VV	24424	554584	41.75%	1.125%
70	7.220	7.205	7.231	VV	21782	303561	22.85%	0.616%
71	7.351	7.323	7.368	VV	24836	566837	42.67%	1.150%
72	7.374	7.368	7.397	VV	21865	338099	25.45%	0.686%
73	7.442	7.417	7.476	VV	75301	1328415	100.00%	2.695%
74	7.569	7.558	7.596	VV	20862	416693	31.37%	0.845%
75	7.631	7.596	7.637	VV	25716	526221	39.61%	1.068%
76	7.645	7.637	7.662	VV	25711	358294	26.97%	0.727%
77	7.719	7.692	7.744	VV	23811	641679	48.30%	1.302%
78	7.756	7.744	7.769	VV	20756	286726	21.58%	0.582%
79	7.779	7.769	7.787	VV	18594	198005	14.91%	0.402%
80	7.892	7.877	7.912	VV	21139	379311	28.55%	0.770%
81	7.930	7.912	7.941	VV	19616	293848	22.12%	0.596%
82	7.958	7.941	7.975	VV	26916	455470	34.29%	0.924%
83	8.010	7.992	8.028	VV	29496	515866	38.83%	1.047%
84	8.102	8.072	8.122	VV	29873	616570	46.41%	1.251%
85	8.189	8.168	8.199	VV	17528	300090	22.59%	0.609%
86	8.282	8.264	8.328	VV	33631	855145	64.37%	1.735%
87	8.427	8.404	8.449	VV	24062	540686	40.70%	1.097%
88	8.472	8.449	8.488	VV	33737	587925	44.26%	1.193%
89	8.546	8.528	8.571	VV	20634	484850	36.50%	0.984%

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90	8.599	8.571	8.614	VV	20429	490769	36.94%	0.996%
91	8.648	8.614	8.667	VV	22862	649253	48.87%	1.317%
92	8.675	8.667	8.688	VV	16683	195526	14.72%	0.397%
93	8.712	8.688	8.741	VV	70289	1103821	83.09%	2.240%
94	8.748	8.741	8.757	VV	18178	172204	12.96%	0.349%
95	8.770	8.757	8.787	VV	21045	331136	24.93%	0.672%
96	8.803	8.787	8.825	VV	22495	434710	32.72%	0.882%
97	8.841	8.825	8.872	VV	18893	455980	34.33%	0.925%
98	8.888	8.872	8.897	VV	14941	207847	15.65%	0.422%
99	8.914	8.897	8.925	VV	19558	285369	21.48%	0.579%
100	8.945	8.925	8.967	VV	25127	501985	37.79%	1.019%
101	8.975	8.967	8.991	VV	15469	209883	15.80%	0.426%
102	9.012	8.991	9.036	VV	45420	710940	53.52%	1.442%
103	9.054	9.036	9.060	VV	18992	253547	19.09%	0.514%
104	9.077	9.060	9.083	VV	28057	336792	25.35%	0.683%
105	9.098	9.083	9.119	VV	41369	619043	46.60%	1.256%
106	9.125	9.119	9.156	VV	16678	338633	25.49%	0.687%
107	9.176	9.156	9.191	VV	19045	345968	26.04%	0.702%
108	9.206	9.191	9.224	VV	19779	339173	25.53%	0.688%
109	9.242	9.224	9.261	VV	18698	362522	27.29%	0.736%
110	9.277	9.261	9.289	VV	14775	231063	17.39%	0.469%
111	9.305	9.289	9.315	VV	16577	236943	17.84%	0.481%
112	9.327	9.315	9.338	VV	16774	217130	16.35%	0.441%
113	9.349	9.338	9.359	VV	16691	197585	14.87%	0.401%
114	9.372	9.359	9.388	VV	18916	277751	20.91%	0.564%
115	9.415	9.388	9.445	VV	20199	513677	38.67%	1.042%
116	9.469	9.445	9.496	VV	15189	383896	28.90%	0.779%
117	9.531	9.496	9.552	VV	17211	440118	33.13%	0.893%
118	9.563	9.552	9.577	VV	13205	172264	12.97%	0.350%
119	9.590	9.577	9.601	VV	11395	158531	11.93%	0.322%
120	9.621	9.601	9.632	VV	11298	207489	15.62%	0.421%
121	9.648	9.632	9.653	VV	12896	151607	11.41%	0.308%
122	9.669	9.653	9.682	VV	17852	269746	20.31%	0.547%
123	9.689	9.682	9.730	VV	14978	335151	25.23%	0.680%
124	9.755	9.730	9.764	VV	15269	250744	18.88%	0.509%
125	9.775	9.764	9.805	VV	16780	316058	23.79%	0.641%
126	9.834	9.805	9.889	VV	19015	597578	44.98%	1.212%
127	9.926	9.889	9.947	VV	11958	349253	26.29%	0.709%
128	9.958	9.947	9.978	VV	10425	169100	12.73%	0.343%
129	9.998	9.978	10.017	VV	8025	182016	13.70%	0.369%
130	10.034	10.017	10.060	VV	9265	203405	15.31%	0.413%
131	10.078	10.060	10.098	VV	9709	188588	14.20%	0.383%
132	10.125	10.098	10.154	VV	10312	289356	21.78%	0.587%
133	10.173	10.154	10.197	VV	9567	215238	16.20%	0.437%
134	10.206	10.197	10.221	VV	7306	99364	7.48%	0.202%
135	10.233	10.221	10.256	VV	7392	152890	11.51%	0.310%
136	10.273	10.256	10.312	VV	8265	225419	16.97%	0.457%
137	10.341	10.312	10.371	VV	7653	218916	16.48%	0.444%
138	10.378	10.371	10.393	VV	5712	74869	5.64%	0.152%
139	10.400	10.393	10.425	VV	5570	98884	7.44%	0.201%
140	10.445	10.425	10.478	VV	5887	161227	12.14%	0.327%
141	10.500	10.478	10.530	VV	6674	167914	12.64%	0.341%

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142	10.559	10.530	10.584	VV	16386	317826	23.93%	0.645%
143	10.610	10.584	10.621	VV	6824	130863	9.85%	0.266%
144	10.636	10.621	10.664	VV	7705	161425	12.15%	0.328%
145	10.680	10.664	10.697	VV	6943	116342	8.76%	0.236%
146	10.707	10.697	10.732	VV	5660	95973	7.22%	0.195%
147	10.756	10.732	10.770	VV	5684	111971	8.43%	0.227%
148	10.773	10.770	10.791	VV	5184	59082	4.45%	0.120%
149	10.820	10.791	10.835	VV	5564	126965	9.56%	0.258%
150	10.841	10.835	10.869	VV	5183	96293	7.25%	0.195%
151	10.890	10.869	10.904	VV	5004	93571	7.04%	0.190%
152	10.927	10.904	10.948	VV	5686	129032	9.71%	0.262%
153	10.984	10.948	11.012	VV	19757	369560	27.82%	0.750%
154	11.030	11.012	11.080	VV	4492	148683	11.19%	0.302%
155	11.115	11.080	11.141	VV	3553	120953	9.11%	0.245%
156	11.163	11.141	11.220	VV	5032	166937	12.57%	0.339%
157	11.245	11.220	11.279	VV	3626	107610	8.10%	0.218%
158	11.307	11.279	11.334	VV	3830	100448	7.56%	0.204%
159	11.345	11.334	11.364	VV	2571	43911	3.31%	0.089%
160	11.386	11.364	11.414	VV	2863	77375	5.82%	0.157%
161	11.438	11.414	11.453	VV	2714	60911	4.59%	0.124%
162	11.473	11.453	11.495	VV	3733	74920	5.64%	0.152%
163	11.515	11.495	11.539	VV	3125	72481	5.46%	0.147%
164	11.543	11.539	11.545	VV	2790	11077	0.83%	0.022%
165	11.563	11.545	11.581	VV	3204	63621	4.79%	0.129%
166	11.585	11.581	11.588	VV	2720	11828	0.89%	0.024%
167	11.592	11.588	11.603	VV	2792	23777	1.79%	0.048%
168	11.615	11.603	11.627	VV	2891	38792	2.92%	0.079%
169	11.642	11.627	11.675	VV	2959	76413	5.75%	0.155%
170	11.709	11.675	11.737	VV	8412	179765	13.53%	0.365%
171	11.761	11.737	11.799	VV	2602	77744	5.85%	0.158%
172	11.820	11.799	11.843	VV	3118	64115	4.83%	0.130%
173	11.858	11.843	11.873	VV	2185	36605	2.76%	0.074%
174	11.888	11.873	11.899	VV	2170	32357	2.44%	0.066%
175	11.909	11.899	11.915	VV	2260	20534	1.55%	0.042%
176	11.919	11.915	11.942	VV	2209	32538	2.45%	0.066%
177	11.971	11.942	11.985	VV	3163	63086	4.75%	0.128%
178	12.000	11.985	12.043	VV	3506	77920	5.87%	0.158%
179	12.069	12.043	12.079	VV	1967	37065	2.79%	0.075%
180	12.119	12.079	12.137	VV	3019	77276	5.82%	0.157%
181	12.148	12.137	12.209	VV	2536	85009	6.40%	0.172%
182	12.230	12.209	12.246	VV	2045	39869	3.00%	0.081%
183	12.270	12.246	12.295	VV	3522	77160	5.81%	0.157%
184	12.312	12.295	12.345	VV	2182	50516	3.80%	0.102%
185	12.374	12.345	12.386	VV	1741	36894	2.78%	0.075%
186	12.413	12.386	12.459	VV	1787	66270	4.99%	0.134%
187	12.476	12.459	12.487	VV	1550	24119	1.82%	0.049%
188	12.491	12.487	12.495	VV	1513	6852	0.52%	0.014%
189	12.506	12.495	12.520	VV	1892	27031	2.03%	0.055%
190	12.538	12.520	12.575	VV	3070	64050	4.82%	0.130%
191	12.591	12.575	12.612	VV	1611	31780	2.39%	0.064%
192	12.623	12.612	12.634	VV	1439	17197	1.29%	0.035%
193	12.651	12.634	12.667	VV	1556	27522	2.07%	0.056%
194	12.673	12.667	12.694	VV	1336	19051	1.43%	0.039%

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195	12.718	12.694	12.745	VV	1608	39180	2.95%	0.079%
196	12.765	12.745	12.822	VV	1923	65705	4.95%	0.133%
197	12.874	12.822	12.896	VV	2772	76004	5.72%	0.154%
198	12.909	12.896	12.923	VV	1703	24877	1.87%	0.050%
199	12.937	12.923	12.969	VV	2063	40519	3.05%	0.082%
200	12.993	12.969	13.029	VV	1669	41516	3.13%	0.084%
201	13.048	13.029	13.064	VV	935	17960	1.35%	0.036%
202	13.087	13.064	13.109	VV	910	20905	1.57%	0.042%
203	13.120	13.109	13.136	VV	924	12890	0.97%	0.026%
204	13.140	13.136	13.149	VV	632	4239	0.32%	0.009%
205	13.154	13.149	13.161	VV	564	4038	0.30%	0.008%
206	13.182	13.161	13.197	VV	754	14088	1.06%	0.029%
207	13.212	13.197	13.217	VV	786	8552	0.64%	0.017%
208	13.221	13.217	13.242	VV	778	10538	0.79%	0.021%
209	13.252	13.242	13.273	VV	708	11405	0.86%	0.023%
210	13.289	13.273	13.322	VV	1321	25613	1.93%	0.052%
211	13.327	13.322	13.333	VV	606	3739	0.28%	0.008%
212	13.357	13.333	13.375	VV	743	15059	1.13%	0.031%
213	13.389	13.375	13.396	VV	643	8121	0.61%	0.016%
214	13.402	13.396	13.410	VV	711	5239	0.39%	0.011%
215	13.432	13.410	13.457	VV	1284	27494	2.07%	0.056%
216	13.466	13.457	13.474	VV	797	7197	0.54%	0.015%
217	13.493	13.474	13.534	VV	824	20326	1.53%	0.041%
218	13.578	13.534	13.599	VV	1012	31193	2.35%	0.063%
219	13.623	13.599	13.654	VV	1071	23370	1.76%	0.047%
220	13.660	13.654	13.669	VV	441	3263	0.25%	0.007%
221	13.688	13.669	13.704	VV	729	9348	0.70%	0.019%
222	13.718	13.704	13.744	VV	727	12790	0.96%	0.026%
223	13.773	13.744	13.807	VV	722	18111	1.36%	0.037%
224	13.812	13.807	13.820	VV	434	2727	0.21%	0.006%
225	13.828	13.820	13.835	VV	392	3282	0.25%	0.007%
226	13.840	13.835	13.859	VV	381	4649	0.35%	0.009%
227	13.880	13.859	13.909	VV	509	11549	0.87%	0.023%
228	13.921	13.909	13.950	VV	345	6632	0.50%	0.013%
229	13.956	13.950	13.972	VV	370	3425	0.26%	0.007%
230	13.995	13.972	14.018	VV	547	10036	0.76%	0.020%
231	14.031	14.018	14.049	VV	575	9145	0.69%	0.019%
232	14.056	14.049	14.072	VV	566	7152	0.54%	0.015%
233	14.078	14.072	14.115	VV	554	9125	0.69%	0.019%
234	14.141	14.115	14.182	VV	775	19482	1.47%	0.040%
235	14.200	14.182	14.224	VV	435	7228	0.54%	0.015%
236	14.236	14.224	14.242	VV	299	2523	0.19%	0.005%
237	14.247	14.242	14.255	VV	242	1549	0.12%	0.003%
238	14.259	14.255	14.267	VV	247	1308	0.10%	0.003%
239	14.273	14.267	14.281	VV	227	1518	0.11%	0.003%
240	14.286	14.281	14.310	VV	206	2263	0.17%	0.005%
241	14.317	14.310	14.328	PV	75	412	0.03%	0.001%
242	14.349	14.328	14.355	VV	295	3147	0.24%	0.006%
243	14.372	14.355	14.412	VV	466	8384	0.63%	0.017%
244	14.445	14.412	14.480	VV	218	4832	0.36%	0.010%
245	14.501	14.480	14.521	VV	394	5382	0.41%	0.011%
246	14.535	14.521	14.541	VV	242	2437	0.18%	0.005%

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247	14.547	14.541	14.561	VV	315	2343	0.18%	0.005%
248	14.565	14.561	14.575	VV	190	1046	0.08%	0.002%
249	14.583	14.575	14.603	VV	284	3621	0.27%	0.007%
250	14.610	14.603	14.614	VV	284	1489	0.11%	0.003%
251	14.620	14.614	14.633	VV	254	2232	0.17%	0.005%
252	14.650	14.633	14.676	VV	361	5957	0.45%	0.012%
253	14.706	14.676	14.740	VV	607	11200	0.84%	0.023%
254	14.760	14.740	14.797	VV	685	13091	0.99%	0.027%
255	14.829	14.797	14.852	VV	540	10609	0.80%	0.022%
256	14.860	14.852	14.889	VV	367	5081	0.38%	0.010%
257	14.894	14.889	14.934	VV	180	2605	0.20%	0.005%
258	14.954	14.934	14.971	VV	252	3896	0.29%	0.008%
259	14.986	14.971	15.010	VV	335	4672	0.35%	0.009%
260	15.040	15.010	15.075	VV	5451	78624	5.92%	0.160%
261	15.082	15.075	15.118	VV	176	2737	0.21%	0.006%
262	15.126	15.118	15.129	PV	158	623	0.05%	0.001%
263	15.134	15.129	15.140	VV	150	875	0.07%	0.002%
264	15.146	15.140	15.162	VV	168	1657	0.12%	0.003%
265	15.180	15.162	15.199	VV	319	5335	0.40%	0.011%
266	15.221	15.199	15.239	VV	1003	15494	1.17%	0.031%
267	15.243	15.239	15.263	VV	625	6157	0.46%	0.012%
268	15.274	15.263	15.279	VV	265	2096	0.16%	0.004%
269	15.289	15.279	15.314	VV	303	3999	0.30%	0.008%
270	15.317	15.314	15.321	VV	192	631	0.05%	0.001%
271	15.333	15.321	15.350	VV	300	3596	0.27%	0.007%
272	15.389	15.350	15.448	VV	296	8805	0.66%	0.018%
273	15.460	15.448	15.465	VV	90	652	0.05%	0.001%
274	15.491	15.465	15.507	PV	241	3829	0.29%	0.008%
275	15.514	15.507	15.524	VV	115	615	0.05%	0.001%
276	15.551	15.524	15.561	VV	123	1715	0.13%	0.003%
277	15.568	15.561	15.592	VV	120	1192	0.09%	0.002%
278	15.627	15.592	15.680	VV	1091	26699	2.01%	0.054%
279	15.687	15.680	15.715	VV	293	4472	0.34%	0.009%
280	15.721	15.715	15.740	VV	210	2317	0.17%	0.005%
281	15.768	15.740	15.797	VV	635	10243	0.77%	0.021%
282	15.804	15.797	15.808	VV	226	1266	0.10%	0.003%
283	15.811	15.808	15.817	VV	213	1010	0.08%	0.002%
284	15.852	15.817	15.872	VV	641	8467	0.64%	0.017%
285	15.900	15.872	15.935	VV	271	4240	0.32%	0.009%
286	15.968	15.935	15.980	PV	165	2787	0.21%	0.006%
287	16.003	15.980	16.007	VV	261	2884	0.22%	0.006%
288	16.015	16.007	16.037	VV	314	4294	0.32%	0.009%
289	16.045	16.037	16.059	VV	211	2172	0.16%	0.004%
290	16.079	16.059	16.108	VV	377	5871	0.44%	0.012%
291	16.147	16.108	16.172	PV	225	5067	0.38%	0.010%
292	16.190	16.172	16.214	VV	194	3868	0.29%	0.008%
293	16.227	16.214	16.248	VV	263	4493	0.34%	0.009%
294	16.272	16.248	16.312	VV	648	12826	0.97%	0.026%
295	16.320	16.312	16.350	VV	174	2975	0.22%	0.006%
296	16.362	16.350	16.387	VV	200	2303	0.17%	0.005%
297	16.402	16.387	16.412	PV	179	1384	0.10%	0.003%
298	16.461	16.412	16.501	VV	321	9404	0.71%	0.019%
299	16.516	16.501	16.529	VV	166	1605	0.12%	0.003%

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300	16.602	16.529	16.608	VV	244	7989	0.60%	0.016%	
301	16.614	16.608	16.626	VV	229	1689	0.13%	0.003%	
302	16.660	16.626	16.680	VV	365	7069	0.53%	0.014%	
303	16.684	16.680	16.692	VV	101	325	0.02%	0.001%	
304	16.720	16.692	16.730	PV	379	5371	0.40%	0.011%	
305	16.749	16.730	16.788	VV	892	15538	1.17%	0.032%	
306	16.794	16.788	16.818	VV	138	1396	0.11%	0.003%	
307	16.834	16.818	16.844	VV	140	1103	0.08%	0.002%	
308	16.851	16.844	16.860	VV	161	892	0.07%	0.002%	
309	16.887	16.860	16.902	VV	247	4074	0.31%	0.008%	
310	16.909	16.902	16.913	VV	156	700	0.05%	0.001%	
311	16.919	16.913	16.935	VV	209	1775	0.13%	0.004%	
312	16.963	16.935	16.976	VV	251	3712	0.28%	0.008%	
313	16.981	16.976	17.001	VV	172	1440	0.11%	0.003%	
314	17.024	17.001	17.042	PV	169	2658	0.20%	0.005%	
315	17.062	17.042	17.104	VV	345	6592	0.50%	0.013%	
316	17.119	17.104	17.137	VV	350	4536	0.34%	0.009%	
317	17.141	17.137	17.155	VV	161	1123	0.08%	0.002%	
318	17.159	17.155	17.164	PV	106	364	0.03%	0.001%	
319	17.182	17.164	17.189	VV	300	2557	0.19%	0.005%	
320	17.194	17.189	17.199	VV	275	1403	0.11%	0.003%	
321	17.224	17.199	17.253	VV	1282	22655	1.71%	0.046%	
322	17.273	17.253	17.292	VV	741	11088	0.83%	0.022%	
323	17.297	17.292	17.304	VV	185	936	0.07%	0.002%	
324	17.316	17.304	17.349	VV	202	3764	0.28%	0.008%	
325	17.355	17.349	17.362	PV	96	638	0.05%	0.001%	
326	17.380	17.362	17.394	VV	118	1048	0.08%	0.002%	
			Sum of corrected areas:			49285346			

FG011325.M Mon Feb 10 00:04:46 2025



CALIBRATION SUMMARY

DIESEL RANGE ORGANICS INITIAL CALIBRATION SUMMARY

Lab Name: Chemtech Contract: ENTA05
 ProjectID: North Point - 4101 Arthur Kill Rd - E9306
 Lab Code: CHEM Case No.: Q1308 SAS No.: Q1308 SDG No.: Q1308

Calibration Sequence : FG011325		Test : Diesel Range Organics	
Concentration (PPM)	Area Count	Reference Factor	File ID
500	78963406	157927	FG015057.D
200	26178445	130892	FG015058.D
100	14314421	143144	FG015059.D
50	7127024	142540	FG015060.D
1000	126807043	126807	FG015061.D
AVG RF : 140262		% RSD : 8.691	AVG RT : 15.0514

DIESEL RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Chemtech Contract: ENTA05
ProjectID: North Point - 4101 Arthur Kill Rd - E9306
Lab Code: CHEM Case No.: Q1308 SAS No.: Q1308 SDG No.: Q1308
DataFile: FG015315.D Analyst Name: YP\AJ Analyst Date: 02-06-2025

Conc. (PPM)	Area Count	RF	Average RF	%D
500	61088055	122176	140262	12.894

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG020625\
 Data File : FG015315.D
 Signal(s) : FID1A.ch
 Acq On : 06 Feb 2025 11:56
 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: Feb 07 03:09:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
 Quant Title :
 QLast Update : Fri Jan 24 12:51:39 2025
 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	5655322	44.088 ug/ml
Target Compounds			
2) N-DECANE	4.537	5680493	43.976 ug/ml
3) N-DODECANE	6.722	5971885	43.835 ug/ml
4) N-TETRADECANE	8.559	5936337	43.373 ug/ml
5) N-HEXADECANE	10.175	6143752	43.538 ug/ml
6) N-OCTADECANE	11.625	6415898	43.739 ug/ml
7) N-EICOSANE	12.940	6317066	43.450 ug/ml
8) N-DOCOSANE	14.144	6253291	43.588 ug/ml
10) N-TETRACOSANE	15.253	6224860	43.584 ug/ml
11) N-HEXACOSANE	16.277	6117436	43.435 ug/ml
12) N-OCTACOSANE	17.230	6027037	43.040 ug/ml

(f)=RT Delta > 1/2 Window

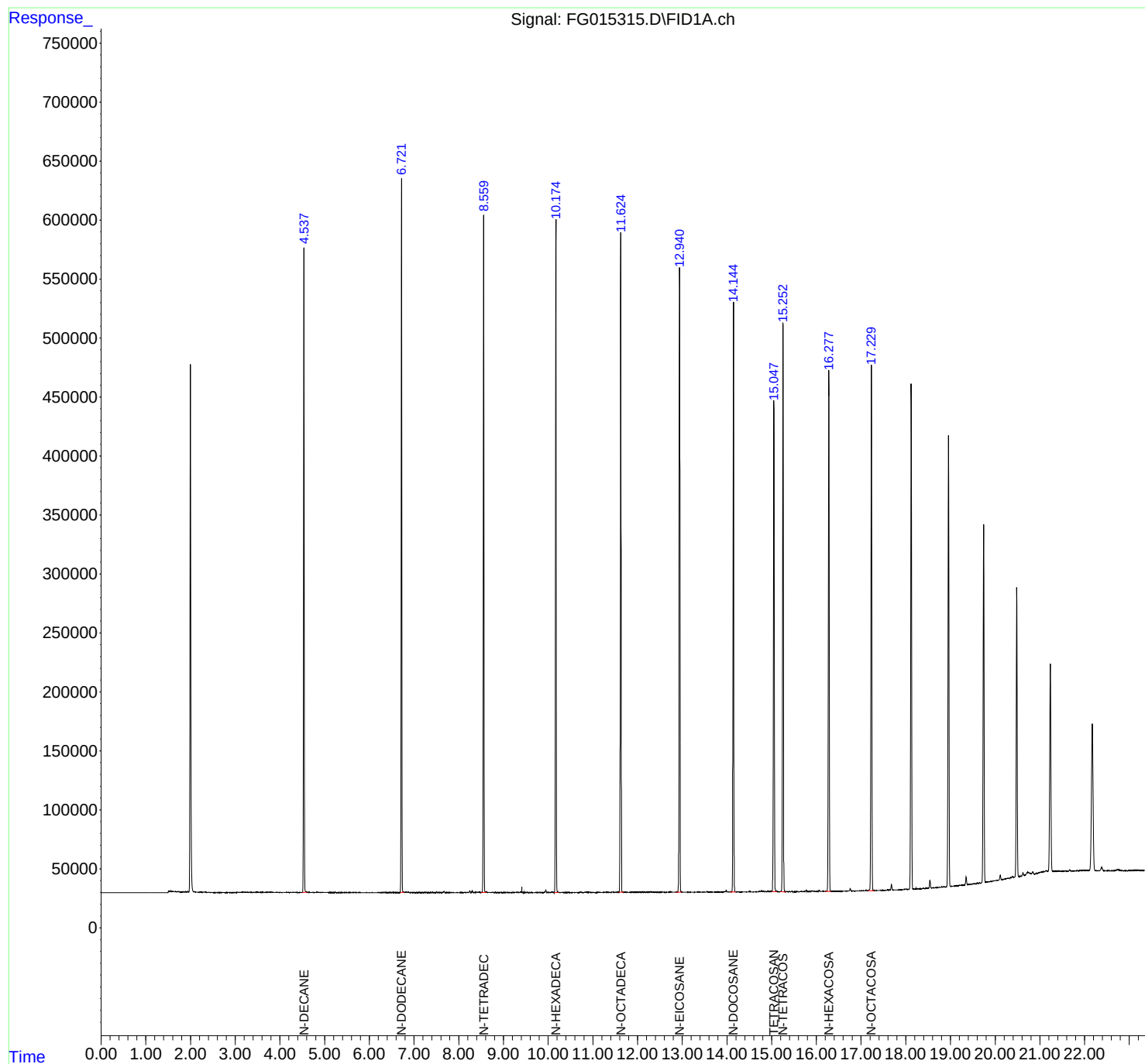
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG020625\
Data File : FG015315.D
Signal(s) : FID1A.ch
Acq On : 06 Feb 2025 11:56
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: Feb 07 03:09:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Quant Title :
QLast Update : Fri Jan 24 12:51:39 2025
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\FG020625\
Data File : FG015315.D
Signal(s) : FID1A.ch
Acq On : 06 Feb 2025 11:56
Sample : 50 PPM TRPH STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.537	4.501	4.608	BB	546860	5680493	88.54%	8.511%
2	6.722	6.688	6.782	BB	605343	5971885	93.08%	8.948%
3	8.559	8.493	8.619	BB	572884	5936337	92.53%	8.894%
4	10.175	10.134	10.239	BB	569537	6143752	95.76%	9.205%
5	11.625	11.579	11.688	BB	559080	6415898	100.00%	9.613%
6	12.940	12.855	12.986	BB	529549	6317066	98.46%	9.465%
7	14.144	14.068	14.196	BB	496057	6253291	97.47%	9.369%
8	15.048	14.999	15.118	BV	415657	5655322	88.15%	8.473%
9	15.253	15.193	15.309	BB	481475	6224860	97.02%	9.327%
10	16.277	16.193	16.336	BB	440933	6117436	95.35%	9.166%
11	17.230	17.154	17.292	BB	445714	6027037	93.94%	9.030%
Sum of corrected areas:							66743376	

FG011325.M Fri Feb 07 04:01:35 2025

DIESEL RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Chemtech Contract: ENTA05
ProjectID: North Point - 4101 Arthur Kill Rd - E9306
Lab Code: CHEM Case No.: Q1308 SAS No.: Q1308 SDG No.: Q1308
DataFile: FG015323.D Analyst Name: YP\AJ Analyst Date: 02-06-2025

Conc. (PPM)	Area Count	RF	Average RF	%D
500	73234615	146469	140262	4.425

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG020625\
 Data File : FG015323.D
 Signal(s) : FID1A.ch
 Acq On : 06 Feb 2025 16:26
 Operator : YP\AJ
 Sample : 50 PPM TRPH STD
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 50 PPM TRPH STD

Integration File: autoint1.e
 Quant Time: Feb 07 03:11:58 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
 Quant Title :
 QLast Update : Fri Jan 24 12:51:39 2025
 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	6878344	53.622 ug/ml
Target Compounds			
2) N-DECANE	4.538	6565027	50.824 ug/ml
3) N-DODECANE	6.721	7010557	51.459 ug/ml
4) N-TETRADECANE	8.559	7038358	51.425 ug/ml
5) N-HEXADECANE	10.175	7344065	52.044 ug/ml
6) N-OCTADECANE	11.625	7725515	52.667 ug/ml
7) N-EICOSANE	12.941	7639381	52.546 ug/ml
8) N-DOCOSANE	14.144	7577591	52.819 ug/ml
10) N-TETRACOSANE	15.252	7557425	52.914 ug/ml
11) N-HEXACOSANE	16.277	7421984	52.698 ug/ml
12) N-OCTACOSANE	17.230	7354712	52.521 ug/ml

(f)=RT Delta > 1/2 Window

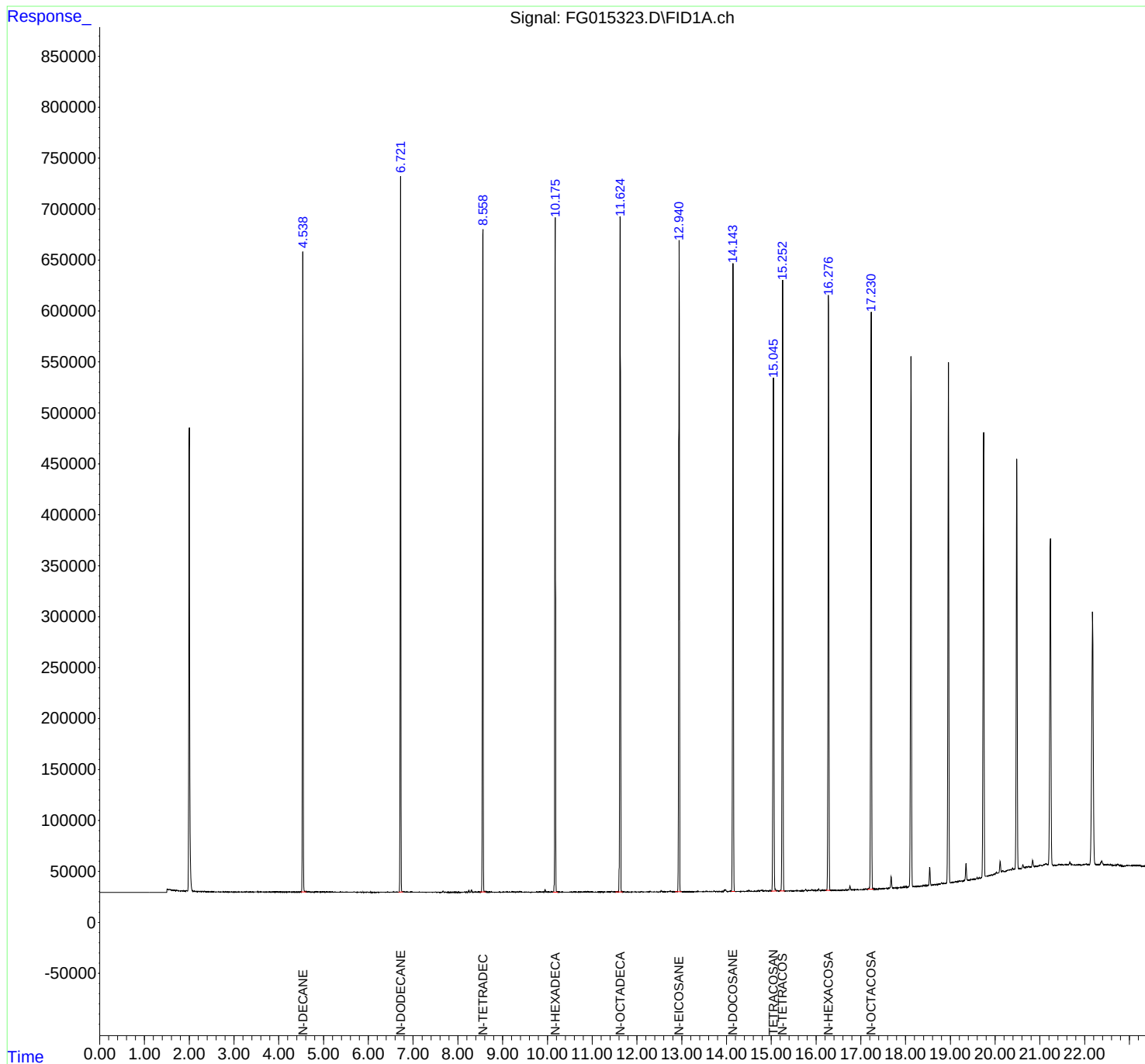
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG020625\
Data File : FG015323.D
Signal(s) : FID1A.ch
Acq On : 06 Feb 2025 16:26
Operator : YP\AJ
Sample : 50 PPM TRPH STD
Misc :
ALS Vial : 55 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
50 PPM TRPH STD

Integration File: autoint1.e
Quant Time: Feb 07 03:11:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Quant Title :
QLast Update : Fri Jan 24 12:51:39 2025
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\FG020625\
Data File : FG015323.D
Signal(s) : FID1A.ch
Acq On : 06 Feb 2025 16:26
Sample : 50 PPM TRPH STD
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.538	4.493	4.619	BB	628802	6565027	84.98%	8.195%
2	6.721	6.678	6.778	BB	702643	7010557	90.75%	8.751%
3	8.559	8.499	8.620	BB	650686	7038358	91.11%	8.786%
4	10.175	10.123	10.234	BB	660025	7344065	95.06%	9.167%
5	11.625	11.517	11.682	BB	660081	7725515	100.00%	9.643%
6	12.941	12.850	12.999	BB	638386	7639381	98.89%	9.536%
7	14.144	14.106	14.188	VB	615265	7577591	98.09%	9.459%
8	15.047	15.005	15.118	BV	490750	6878344	89.03%	8.586%
9	15.252	15.180	15.305	BB	598024	7557425	97.82%	9.433%
10	16.277	16.215	16.320	BB	580565	7421984	96.07%	9.264%
11	17.230	17.147	17.283	BV	563796	7354712	95.20%	9.180%
Sum of corrected areas:						80112958		

FG011325.M Fri Feb 07 04:03:28 2025

DIESEL RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Chemtech Contract: ENTA05
ProjectID: North Point - 4101 Arthur Kill Rd - E9306
Lab Code: CHEM Case No.: Q1308 SAS No.: Q1308 SDG No.: Q1308
DataFile: FG015333.D Analyst Name: YP\AJ Analyst Date: 02-06-2025

Conc. (PPM)	Area Count	RF	Average RF	%D
500	62064204	124128	140262	11.503

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG020625\
 Data File : FG015333.D
 Signal(s) : FID1A.ch
 Acq On : 06 Feb 2025 21:40
 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 02/07/2025
 Supervised By :Ankita Jodhani 02/07/2025

Integration File: autoint1.e
 Quant Time: Feb 07 03:15:51 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
 Quant Title :
 QLast Update : Fri Jan 24 12:51:39 2025
 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	5816956	45.348 ug/ml
Target Compounds			
2) N-DECANE	4.537	5588577	43.264 ug/ml
3) N-DODECANE	6.721	5944923	43.637 ug/ml
4) N-TETRADECANE	8.558	5973010	43.641 ug/ml
5) N-HEXADECANE	10.174	6227919	44.135 ug/ml
6) N-OCTADECANE	11.624	6544532	44.616 ug/ml
7) N-EICOSANE	12.940	6469830	44.501 ug/ml
8) N-DOCOSANE	14.144	6426161	44.793 ug/ml
10) N-TETRACOSANE	15.254	6410239	44.882 ug/ml
11) N-HEXACOSANE	16.277	6289237	44.655 ug/ml
12) N-OCTACOSANE	17.230	6189776	44.202 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG020625\
Data File : FG015333.D
Signal(s) : FID1A.ch
Acq On : 06 Feb 2025 21:40
Operator : YP\AJ
Sample : 50 PPM TRPH STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

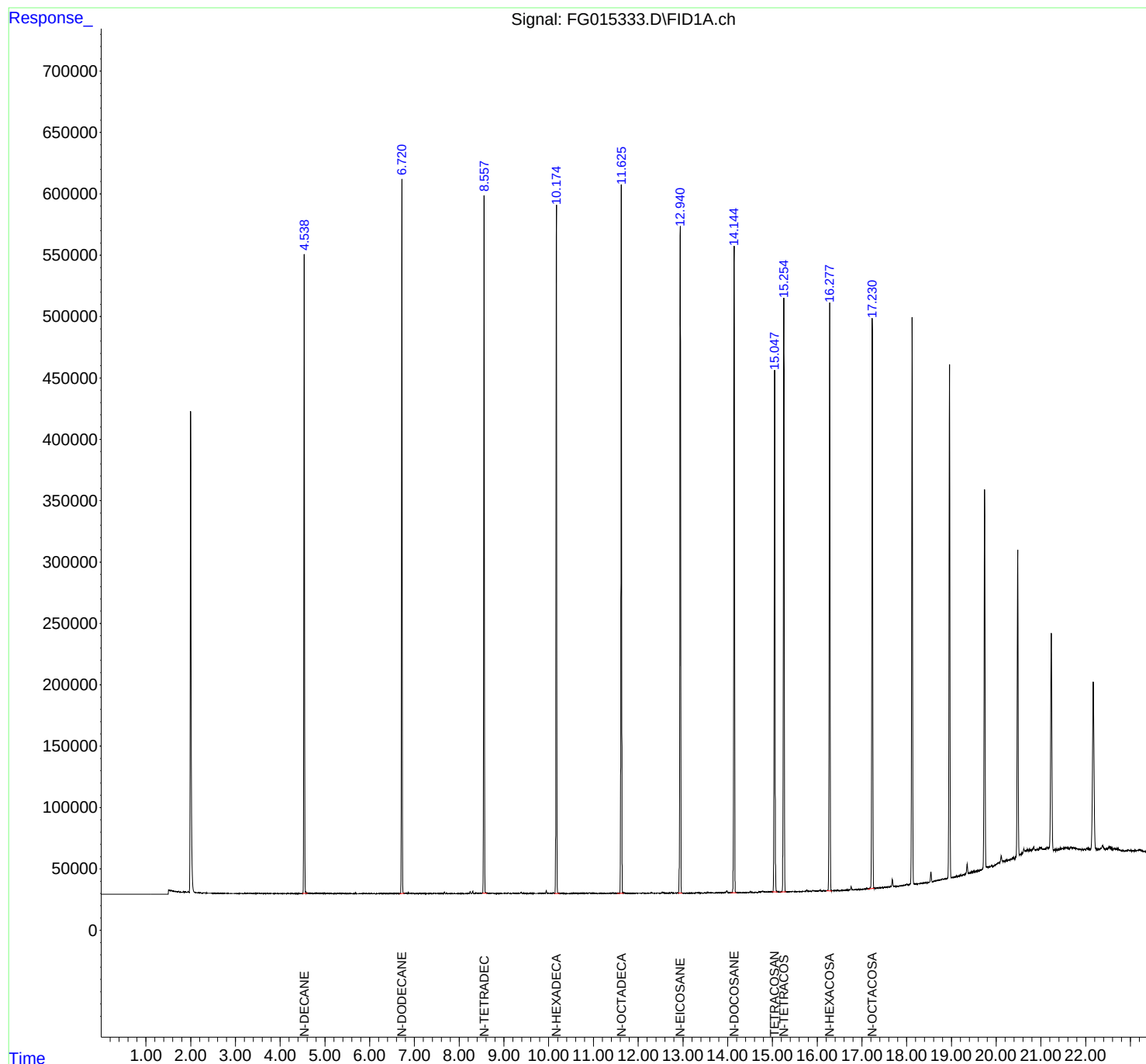
Instrument :
FID_G
ClientSampleId :
50 PPM TRPH STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/07/2025
Supervised By :Ankita Jodhani 02/07/2025

Integration File: autoint1.e
Quant Time: Feb 07 03:15:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Quant Title :
QLast Update : Fri Jan 24 12:51:39 2025
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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/07/2025
Supervised By :Ankita Jodhani 02/07/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG02062
Data File : FG015333.D
Signal(s) : FID1A.ch
Acq On : 06 Feb 2025 21:40
Sample : 50 PPM TRPH STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.537	4.493	4.616	BB	520851	5588577	85.39%	8.231%
2	6.721	6.678	6.782	BB	582123	5944923	90.84%	8.756%
3	8.558	8.518	8.622	BB	567655	5973010	91.27%	8.797%
4	10.174	10.125	10.239	BB	558204	6227919	95.16%	9.172%
5	11.624	11.521	11.676	BB	574829	6544532	100.00%	9.639%
6	12.940	12.894	12.985	BB	542166	6469830	98.86%	9.529%
7	14.144	14.061	14.198	BB	524260	6426161	98.19%	9.464%
8	15.048	14.990	15.114	BV	422832	5816956	88.88%	8.567%
9	15.254	15.175	15.307	BB	481459	6410239	97.95%	9.441%
10	16.277	16.208	16.324	BB	478896	6289237	96.10%	9.263%
11	17.231	17.015	17.294	BB	463390	6206880	94.84%	9.141%
Sum of corrected areas:						67898265		

FG011325.M Fri Feb 07 04:06:00 2025

DIESEL RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Chemtech Contract: ENTA05
ProjectID: North Point - 4101 Arthur Kill Rd - E9306
Lab Code: CHEM Case No.: Q1308 SAS No.: Q1308 SDG No.: Q1308
DataFile: FG015343.D Analyst Name: YP\AJ Analyst Date: 02-07-2025

Conc. (PPM)	Area Count	RF	Average RF	%D
500	76122699	152245	140262	8.543

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG020625\
 Data File : FG015343.D
 Signal(s) : FID1A.ch
 Acq On : 07 Feb 2025 03:50
 Operator : YP\AJ
 Sample : 50 PPM TRPH STD
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 50 PPM TRPH STD

Integration File: autoint1.e
 Quant Time: Feb 07 03:58:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
 Quant Title :
 QLast Update : Fri Jan 24 12:51:39 2025
 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	7158381	55.806 ug/ml
Target Compounds			
2) N-DECANE	4.537	6824139	52.830 ug/ml
3) N-DODECANE	6.721	7277999	53.422 ug/ml
4) N-TETRADECANE	8.559	7327491	53.538 ug/ml
5) N-HEXADECANE	10.175	7659685	54.281 ug/ml
6) N-OCTADECANE	11.625	8062908	54.967 ug/ml
7) N-EICOSANE	12.941	7968867	54.812 ug/ml
8) N-DOCOSANE	14.145	7891100	55.004 ug/ml
10) N-TETRACOSANE	15.253	7854203	54.992 ug/ml
11) N-HEXACOSANE	16.278	7685356	54.568 ug/ml
12) N-OCTACOSANE	17.231	7570951	54.066 ug/ml

(f)=RT Delta > 1/2 Window

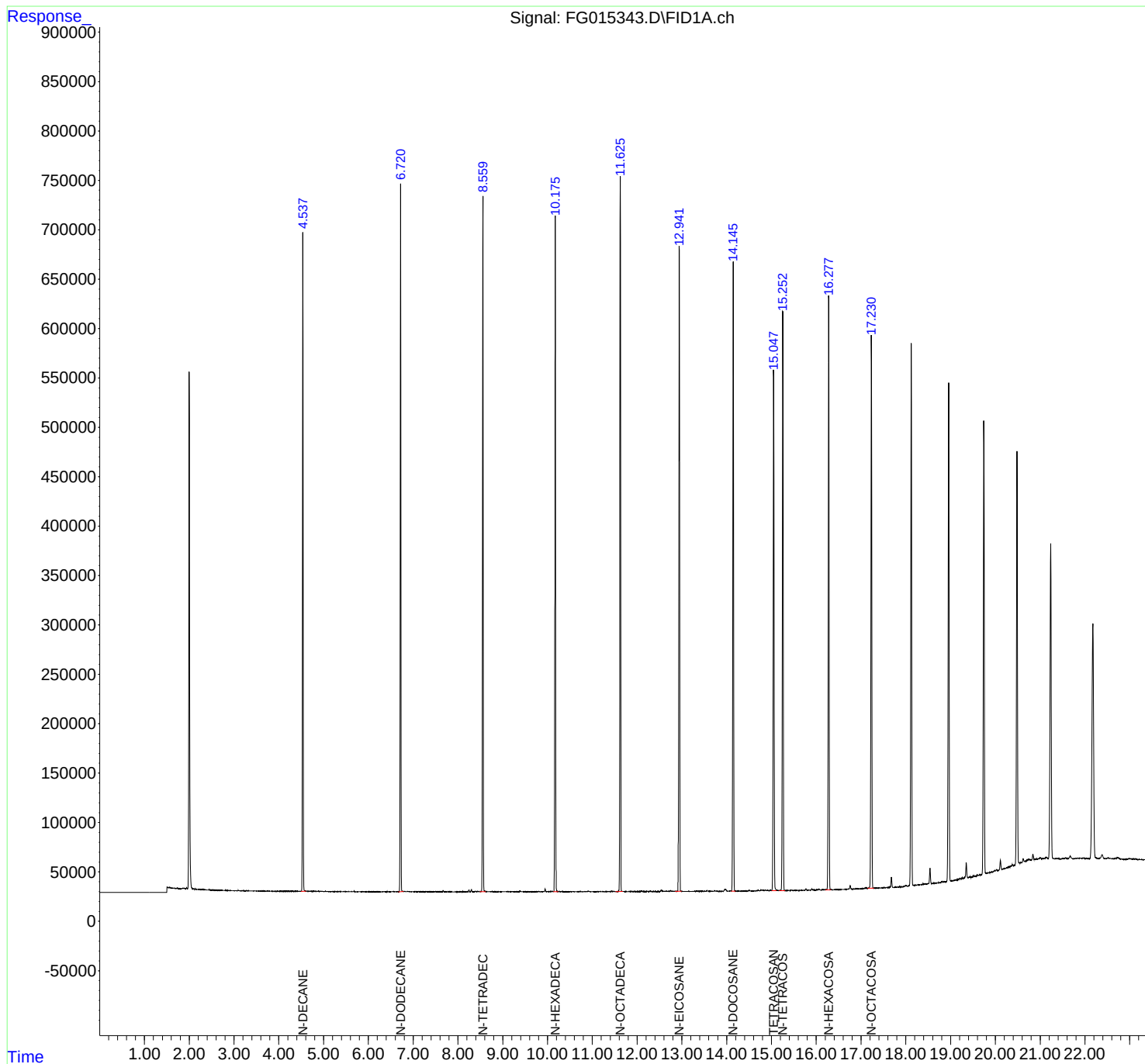
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG020625\
Data File : FG015343.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 03:50
Operator : YP\AJ
Sample : 50 PPM TRPH STD
Misc :
ALS Vial : 55 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
50 PPM TRPH STD

Integration File: autoint1.e
Quant Time: Feb 07 03:58:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Quant Title :
QLast Update : Fri Jan 24 12:51:39 2025
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\FG020625\
Data File : FG015343.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 03:50
Sample : 50 PPM TRPH STD
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.537	4.494	4.606	BB	666089	6824139	84.64%	8.194%
2	6.721	6.666	6.784	BB	713730	7277999	90.27%	8.739%
3	8.559	8.485	8.623	BB	704024	7327491	90.88%	8.799%
4	10.175	10.128	10.240	BB	682984	7659685	95.00%	9.197%
5	11.625	11.521	11.682	BB	720105	8062908	100.00%	9.682%
6	12.941	12.852	12.996	BB	649030	7968867	98.83%	9.569%
7	14.145	14.105	14.198	VB	636957	7891100	97.87%	9.475%
8	15.048	15.005	15.115	PV	522563	7158381	88.78%	8.595%
9	15.253	15.173	15.307	BB	583946	7854203	97.41%	9.431%
10	16.278	16.201	16.329	BB	598371	7685356	95.32%	9.228%
11	17.231	17.145	17.290	BB	556698	7570951	93.90%	9.091%
Sum of corrected areas:						83281080		

FG011325.M Fri Feb 07 04:07:23 2025

DIESEL RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Chemtech Contract: ENTA05
ProjectID: North Point - 4101 Arthur Kill Rd - E9306
Lab Code: CHEM Case No.: Q1308 SAS No.: Q1308 SDG No.: Q1308
DataFile: FG015346.D Analyst Name: YP\AJ Analyst Date: 02-07-2025

Conc. (PPM)	Area Count	RF	Average RF	%D
500	71645067	143290	140262	2.159

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG020725\
 Data File : FG015346.D
 Signal(s) : FID1A.ch
 Acq On : 07 Feb 2025 07:24
 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: Feb 08 05:50:50 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
 Quant Title :
 QLast Update : Fri Jan 24 12:51:39 2025
 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	6663315	51.946 ug/ml
Target Compounds			
2) N-DECANE	4.537	6572521	50.882 ug/ml
3) N-DODECANE	6.720	6957052	51.066 ug/ml
4) N-TETRADECANE	8.557	6970879	50.932 ug/ml
5) N-HEXADECANE	10.173	7256620	51.425 ug/ml
6) N-OCTADECANE	11.623	7596559	51.787 ug/ml
7) N-EICOSANE	12.940	7478364	51.438 ug/ml
8) N-DOCOSANE	14.143	7382113	51.456 ug/ml
10) N-TETRACOSANE	15.251	7317689	51.235 ug/ml
11) N-HEXACOSANE	16.276	7126843	50.602 ug/ml
12) N-OCTACOSANE	17.229	6986427	49.891 ug/ml

(f)=RT Delta > 1/2 Window

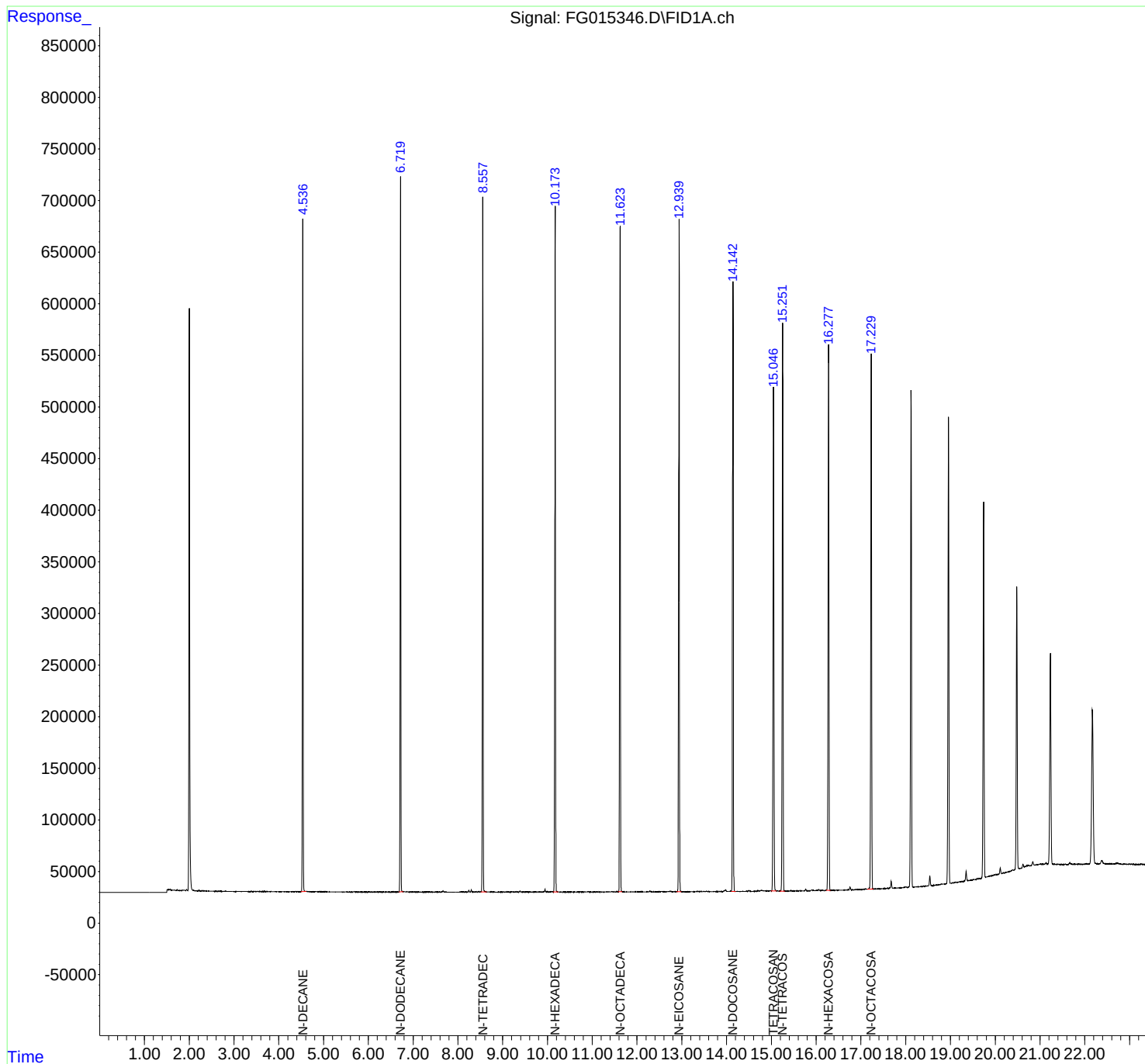
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG020725\
Data File : FG015346.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 07:24
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: Feb 08 05:50:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Quant Title :
QLast Update : Fri Jan 24 12:51:39 2025
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\FG020725\
Data File : FG015346.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 07:24
Sample : 50 PPM TRPH STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.537	4.490	4.611	BB	651387	6572521	86.52%	8.393%
2	6.720	6.678	6.780	BB	692575	6957052	91.58%	8.884%
3	8.557	8.511	8.644	BB	672939	6970879	91.76%	8.902%
4	10.173	10.127	10.240	BB	663684	7256620	95.53%	9.267%
5	11.623	11.577	11.669	BB	643980	7596559	100.00%	9.701%
6	12.940	12.889	12.989	BB	648305	7478364	98.44%	9.550%
7	14.143	14.104	14.201	BB	591084	7382113	97.18%	9.427%
8	15.046	14.993	15.115	BV	486652	6663315	87.71%	8.509%
9	15.251	15.178	15.295	BB	550928	7317689	96.33%	9.345%
10	16.276	16.221	16.322	BB	522378	7126843	93.82%	9.101%
11	17.229	17.142	17.283	BB	518481	6986427	91.97%	8.922%
Sum of corrected areas:						78308382		

FG011325.M Sun Feb 09 23:17:06 2025

DIESEL RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Chemtech Contract: ENTA05
ProjectID: North Point - 4101 Arthur Kill Rd - E9306
Lab Code: CHEM Case No.: Q1308 SAS No.: Q1308 SDG No.: Q1308
DataFile: FG015357.D Analyst Name: YP\AJ Analyst Date: 02-07-2025

Conc. (PPM)	Area Count	RF	Average RF	%D
500	72141271	144283	140262	2.867

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG020725\
 Data File : FG015357.D
 Signal(s) : FID1A.ch
 Acq On : 07 Feb 2025 13:02
 Operator : YP\AJ
 Sample : 50 PPM TRPH STD
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 50 PPM TRPH STD

Integration File: autoint1.e
 Quant Time: Feb 08 05:54:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
 Quant Title :
 QLast Update : Fri Jan 24 12:51:39 2025
 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...	15.045	6672206	52.015 ug/ml
Target Compounds			
2) N-DECANE	4.536	6752034	52.272 ug/ml
3) N-DODECANE	6.720	7068476	51.884 ug/ml
4) N-TETRADECANE	8.557	6994172	51.102 ug/ml
5) N-HEXADECANE	10.172	7218154	51.152 ug/ml
6) N-OCTADECANE	11.623	7539386	51.398 ug/ml
7) N-EICOSANE	12.938	7431760	51.117 ug/ml
8) N-DOCOSANE	14.142	7366511	51.348 ug/ml
10) N-TETRACOSANE	15.250	7354945	51.496 ug/ml
11) N-HEXACOSANE	16.276	7240576	51.410 ug/ml
12) N-OCTACOSANE	17.229	7175257	51.240 ug/ml

(f)=RT Delta > 1/2 Window

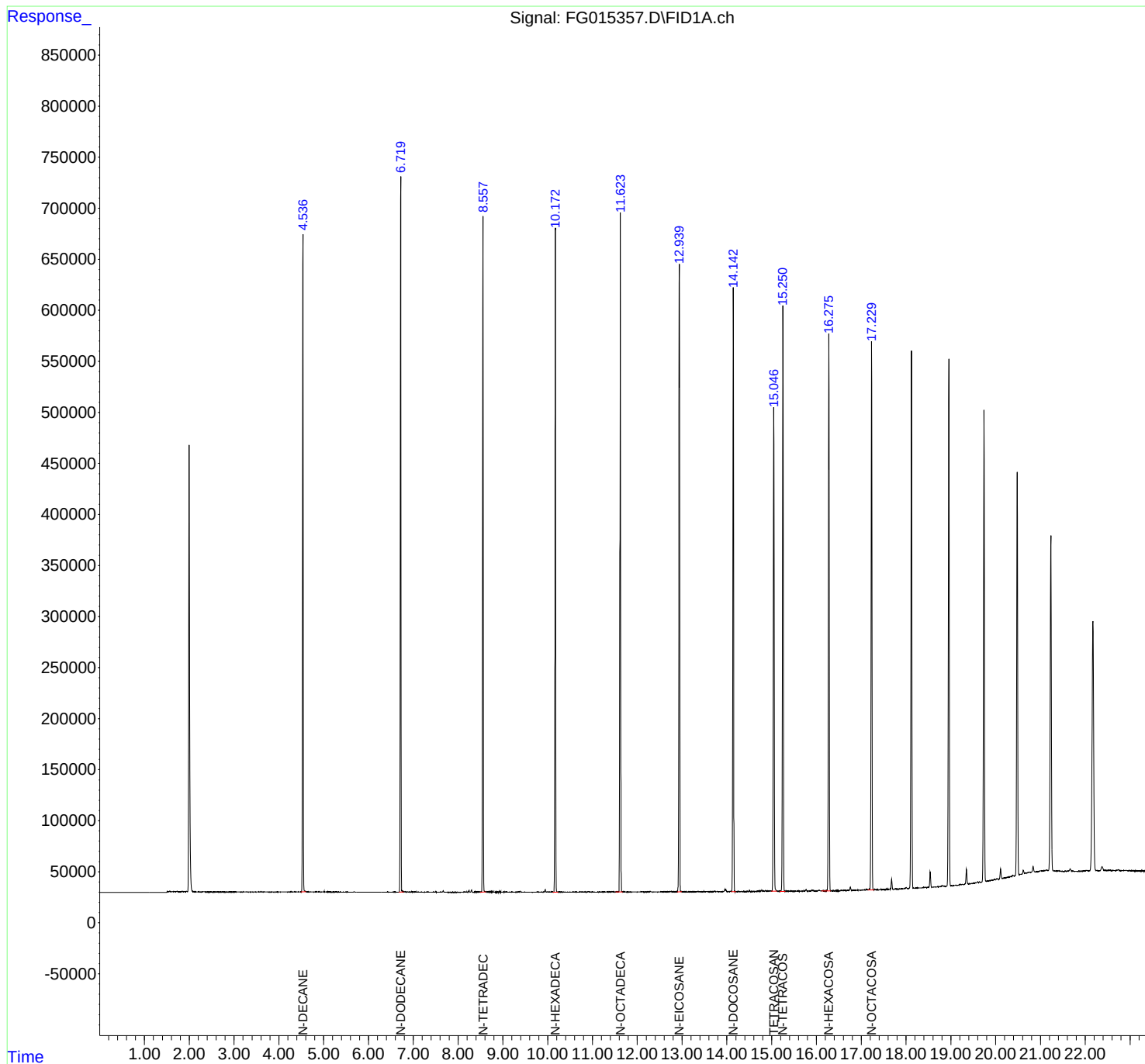
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG020725\
Data File : FG015357.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 13:02
Operator : YP\AJ
Sample : 50 PPM TRPH STD
Misc :
ALS Vial : 55 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
50 PPM TRPH STD

Integration File: autoint1.e
Quant Time: Feb 08 05:54:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Quant Title :
QLast Update : Fri Jan 24 12:51:39 2025
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\FG020725\
Data File : FG015357.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 13:02
Sample : 50 PPM TRPH STD
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.536	4.491	4.607	BB	643148	6752034	89.56%	8.567%
2	6.720	6.680	6.787	BB	700100	7068476	93.75%	8.969%
3	8.557	8.491	8.623	BB	661429	6994172	92.77%	8.874%
4	10.172	10.120	10.237	BB	650585	7218154	95.74%	9.159%
5	11.623	11.521	11.675	BB	664379	7539386	100.00%	9.566%
6	12.938	12.892	12.996	BB	612028	7431760	98.57%	9.430%
7	14.142	14.100	14.201	VB	591271	7366511	97.71%	9.347%
8	15.045	14.991	15.115	BV	465391	6672206	88.50%	8.466%
9	15.250	15.175	15.305	BB	573658	7354945	97.55%	9.332%
10	16.276	16.110	16.320	BB	545172	7240576	96.04%	9.187%
11	17.229	17.148	17.292	BB	534202	7175257	95.17%	9.104%
Sum of corrected areas:						78813477		

FG011325.M Sun Feb 09 23:19:15 2025

DIESEL RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Chemtech Contract: ENTA05
ProjectID: North Point - 4101 Arthur Kill Rd - E9306
Lab Code: CHEM Case No.: Q1308 SAS No.: Q1308 SDG No.: Q1308
DataFile: FG015359.D Analyst Name: YP\AJ Analyst Date: 02-07-2025

Conc. (PPM)	Area Count	RF	Average RF	%D
850	93941977	110520	131220	15.775

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG020725\
 Data File : FG015359.D
 Signal(s) : FID1A.ch
 Acq On : 07 Feb 2025 14:28
 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: Feb 08 05:55:19 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
 Quant Title :
 QLast Update : Fri Jan 24 12:51:39 2025
 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...	15.044	5691564	44.370 ug/ml
Target Compounds			
1) N-OCTANE	1.997	5655668	46.350 ug/ml
2) N-DECANE	4.535	5821377	45.067 ug/ml
3) N-DODECANE	6.719	6088369	44.690 ug/ml
4) N-TETRADECANE	8.556	6031842	44.071 ug/ml
5) N-HEXADECANE	10.172	6219003	44.071 ug/ml
6) N-OCTADECANE	11.622	6477134	44.156 ug/ml
7) N-EICOSANE	12.938	6363102	43.767 ug/ml
8) N-DOCOSANE	14.142	6284303	43.804 ug/ml
10) N-TETRACOSANE	15.249	6265438	43.868 ug/ml
11) N-HEXACOSANE	16.274	6152884	43.687 ug/ml
12) N-OCTACOSANE	17.227	6098188	43.548 ug/ml
13) N-TRIACONTANE	18.118	6031154	42.393 ug/ml
14) N-DOTRIACONTANE	18.954	5682418	40.885 ug/ml
15) N-TETRATRIACONTANE	19.737	4634185	36.986 ug/ml
16) N-HEXATRIACONTANE	20.478	3652656	33.801 ug/ml
17) N-OCTATRIACONTANE	21.228	3272379	33.175 ug/ml
18) N-TETRACONTANE	22.165	3211877	34.593 ug/ml

(f)=RT Delta > 1/2 Window

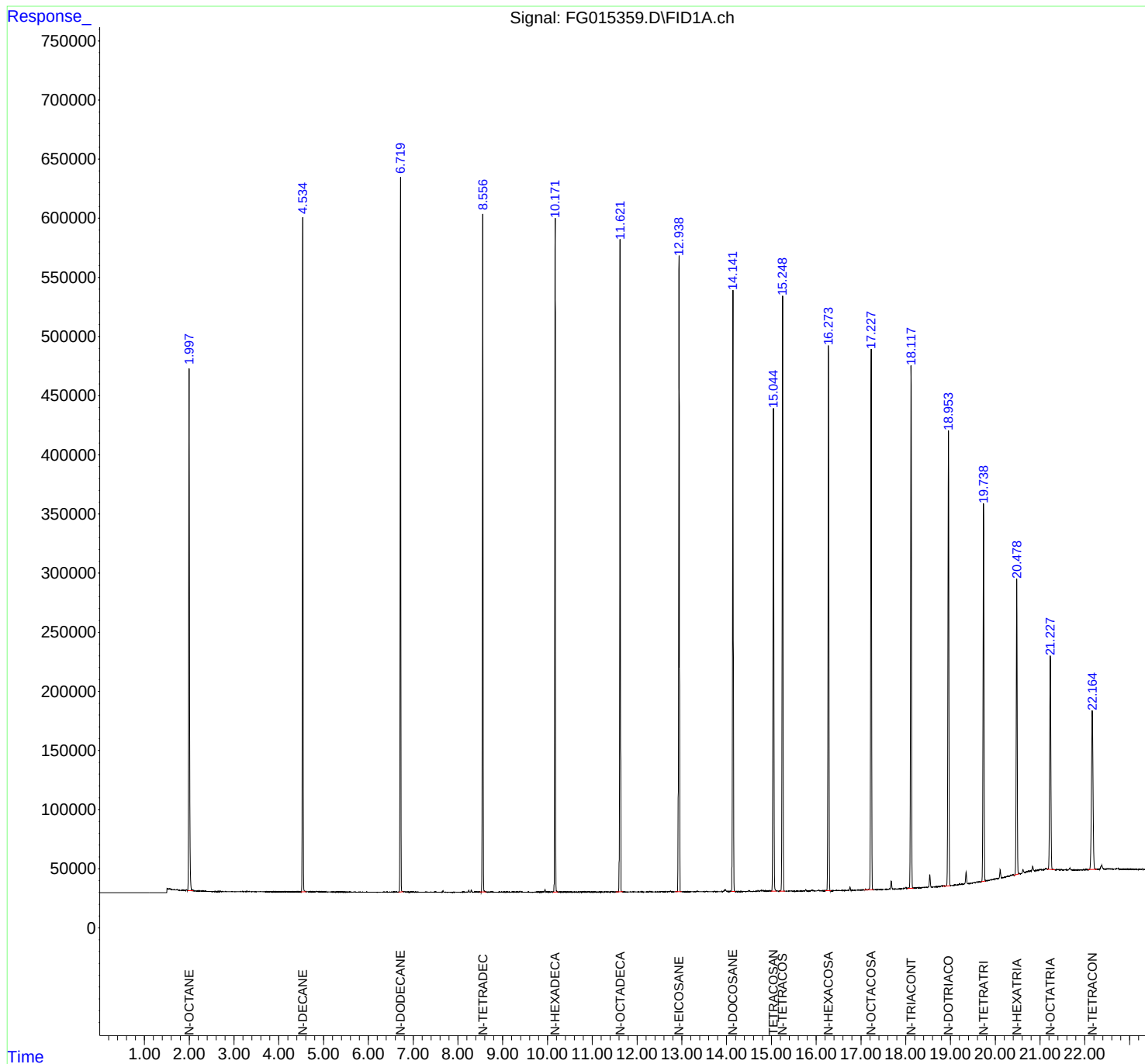
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG020725\
Data File : FG015359.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 14:28
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: Feb 08 05:55:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Quant Title :
QLast Update : Fri Jan 24 12:51:39 2025
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\FG020725\
Data File : FG015359.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 14:28
Sample : 50 PPM TRPH STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	1.997	1.961	2.087	BB	441931	5655668	87.32%	5.676%
2	4.535	4.490	4.611	BB	569411	5821377	89.88%	5.843%
3	6.719	6.675	6.780	BB	603480	6088369	94.00%	6.111%
4	8.556	8.495	8.630	BB	572115	6031842	93.13%	6.054%
5	10.172	10.125	10.231	BB	565300	6219003	96.01%	6.242%
6	11.622	11.525	11.679	BB	551318	6477134	100.00%	6.501%
7	12.938	12.850	12.993	BB	533701	6363102	98.24%	6.387%
8	14.142	14.102	14.193	BB	501281	6284303	97.02%	6.307%
9	15.044	14.993	15.115	BV	405358	5691564	87.87%	5.712%
10	15.249	15.173	15.305	BB	503445	6265438	96.73%	6.288%
11	16.274	16.205	16.334	BB	453620	6152884	94.99%	6.176%
12	17.227	17.072	17.287	BB	456103	6098188	94.15%	6.121%
13	18.118	18.045	18.164	BB	440282	6031154	93.11%	6.053%
14	18.954	18.822	18.999	BB	384714	5682418	87.73%	5.703%
15	19.737	19.678	19.778	BB	318575	4634185	71.55%	4.651%
16	20.478	20.418	20.526	BV	249595	3652656	56.39%	3.666%
17	21.228	21.156	21.334	BB	179783	3272379	50.52%	3.284%
18	22.165	22.069	22.271	BB	134074	3211877	49.59%	3.224%
Sum of corrected areas:							99633542	

FG011325.M Sun Feb 09 23:20:31 2025

DIESEL RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Chemtech Contract: ENTA05
ProjectID: North Point - 4101 Arthur Kill Rd - E9306
Lab Code: CHEM Case No.: Q1308 SAS No.: Q1308 SDG No.: Q1308
DataFile: FG015368.D Analyst Name: YP\AJ Analyst Date: 02-08-2025

Conc. (PPM)	Area Count	RF	Average RF	%D
850	127156042	149595	131220	14.003

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG020725\
 Data File : FG015368.D
 Signal(s) : FID1A.ch
 Acq On : 08 Feb 2025 00:29
 Operator : YP\AJ
 Sample : 50 PPM TRPH STD
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 50 PPM TRPH STD

Integration File: autoint1.e
 Quant Time: Feb 08 05:58:52 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
 Quant Title :
 QLast Update : Fri Jan 24 12:51:39 2025
 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	7126822	55.559 ug/ml
Target Compounds			
1) N-OCTANE	1.996	6883282	56.410 ug/ml
2) N-DECANE	4.535	7631055	59.077 ug/ml
3) N-DODECANE	6.719	7964362	58.460 ug/ml
4) N-TETRADECANE	8.557	7820005	57.136 ug/ml
5) N-HEXADECANE	10.174	7986710	56.598 ug/ml
6) N-OCTADECANE	11.624	8235898	56.146 ug/ml
7) N-EICOSANE	12.939	8029195	55.227 ug/ml
8) N-DOCOSANE	14.145	7887247	54.977 ug/ml
10) N-TETRACOSANE	15.253	7831371	54.832 ug/ml
11) N-HEXACOSANE	16.277	7694191	54.631 ug/ml
12) N-OCTACOSANE	17.231	7636156	54.531 ug/ml
13) N-TRIACONTANE	18.122	7664336	53.872 ug/ml
14) N-DOTRIACONTANE	18.957	7561200	54.403 ug/ml
15) N-TETRATRIACONTANE	19.743	7077463	56.485 ug/ml
16) N-HEXATRIACONTANE	20.484	6620623	61.267 ug/ml
17) N-OCTATRIACONTANE	21.236	6282948	63.695 ug/ml
18) N-TETRACONTANE	22.176	6350000	68.391 ug/ml

(f)=RT Delta > 1/2 Window

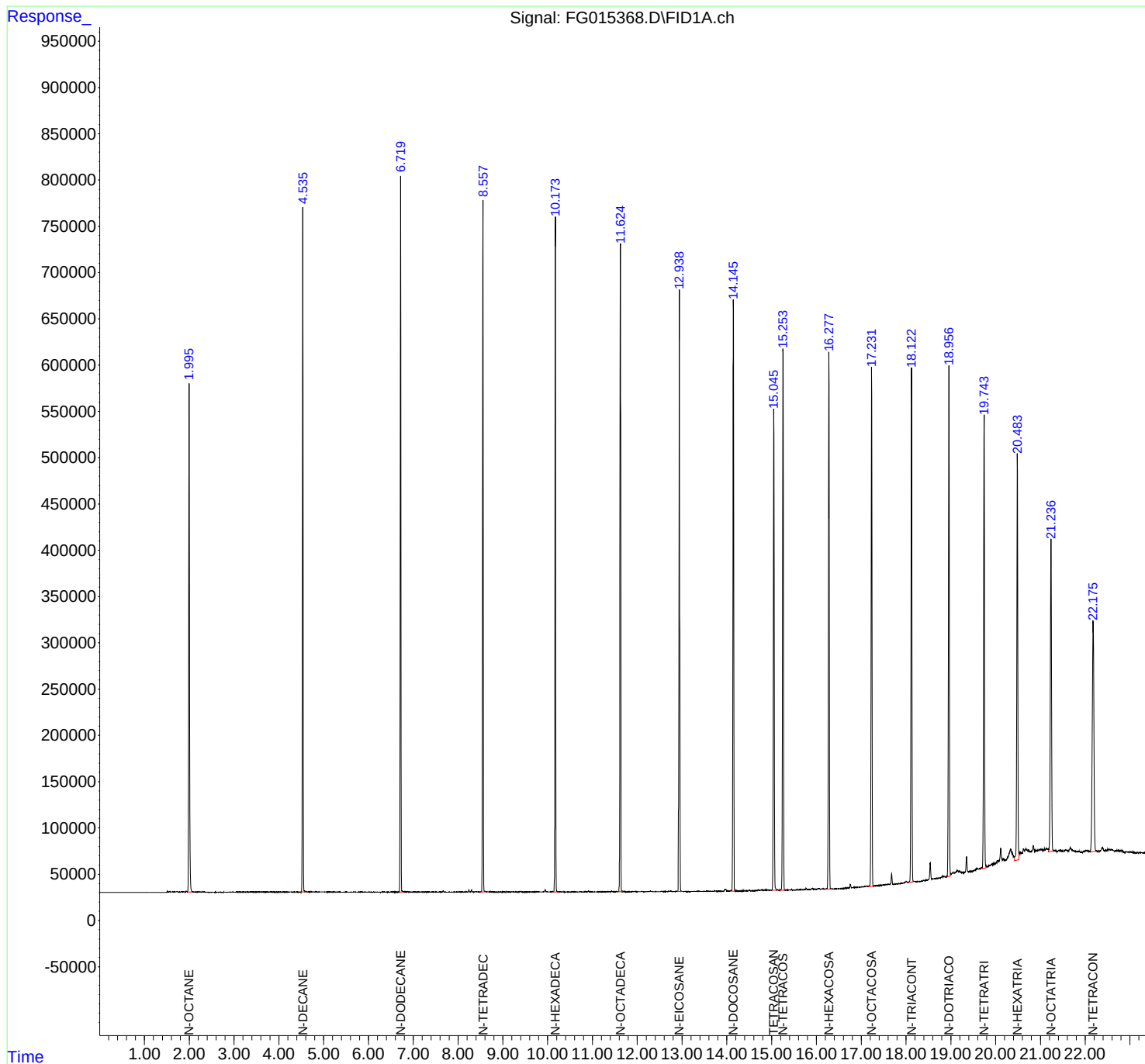
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG020725\
Data File : FG015368.D
Signal(s) : FID1A.ch
Acq On : 08 Feb 2025 00:29
Operator : YP\AJ
Sample : 50 PPM TRPH STD
Misc :
ALS Vial : 55 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
50 PPM TRPH STD

Integration File: autoint1.e
Quant Time: Feb 08 05:58:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Quant Title :
QLast Update : Fri Jan 24 12:51:39 2025
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\FG020725\
 Data File : FG015368.D
 Signal(s) : FID1A.ch
 Acq On : 08 Feb 2025 00:29
 Sample : 50 PPM TRPH STD
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
 Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	1.996	1.962	2.075	PB	548003	6883282	83.58%	5.126%
2	4.535	4.489	4.613	BB	740907	7631055	92.66%	5.683%
3	6.719	6.682	6.785	BB	772670	7964362	96.70%	5.931%
4	8.557	8.486	8.620	BB	745080	7820005	94.95%	5.824%
5	10.174	10.136	10.241	BB	726142	7986710	96.97%	5.948%
6	11.624	11.569	11.684	BV	698501	8235898	100.00%	6.133%
7	12.939	12.896	13.009	PB	647549	8029195	97.49%	5.979%
8	14.145	14.102	14.186	VV	631981	7887247	95.77%	5.874%
9	15.047	15.004	15.117	PV	520917	7126822	86.53%	5.307%
10	15.253	15.156	15.314	BV	583069	7831371	95.09%	5.832%
11	16.277	16.179	16.344	BV	577200	7694191	93.42%	5.730%
12	17.231	17.134	17.279	VV	560711	7636156	92.72%	5.687%
13	18.122	18.041	18.163	VV	555889	7664336	93.06%	5.708%
14	18.957	18.904	18.994	BV	546100	7561200	91.81%	5.631%
15	19.743	19.699	19.782	VV	490796	7077463	85.93%	5.271%
16	20.484	20.420	20.519	VV	437233	6620623	80.39%	4.930%
17	21.236	21.182	21.291	VV	337541	6282948	76.29%	4.679%
18	22.176	22.112	22.256	PV	248947	6350000	77.10%	4.729%
Sum of corrected areas:						134282863		

FG011325.M Sun Feb 09 23:25:06 2025

Analytical Sequence

Client: ENTACT

SDG No.: Q1308

Project: North Point - 4101 Arthur Kill Rd - E9306

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 15.0514					
EPA SAMPLE NO.	LAB SAMPLE ID	DATE AND TIME ANALYZED	DATAFILE	RT	#
PIBLK01	LBLK01	06 Feb 2025 10:27	FG015314.D	15.044	
50 PPM TRPH STD	50 PPM TRPH STD	06 Feb 2025 11:56	FG015315.D	15.048	
EX-11-TPH-5	Q1308-04	06 Feb 2025 15:00	FG015320.D	15.043	
EX-11-TPH-6	Q1308-05	06 Feb 2025 15:29	FG015321.D	15.043	
PIBLK02	LBLK02	06 Feb 2025 15:58	FG015322.D	15.045	
50 PPM TRPH STD	50 PPM TRPH STD	06 Feb 2025 16:26	FG015323.D	15.047	
PB166587BL	PB166587BL	06 Feb 2025 16:55	FG015324.D	15.042	
PB166587BS	PB166587BS	06 Feb 2025 17:23	FG015325.D	15.043	
EX-11-TPH-5MS	Q1308-04MS	06 Feb 2025 17:52	FG015326.D	15.042	
EX-11-TPH-5MSD	Q1308-04MSD	06 Feb 2025 18:20	FG015327.D	15.043	
PIBLK03	LBLK03	06 Feb 2025 20:43	FG015332.D	15.043	
50 PPM TRPH STD	50 PPM TRPH STD	06 Feb 2025 21:40	FG015333.D	15.048	
EX-8-TPH-1	Q1308-01	07 Feb 2025 00:59	FG015338.D	15.043	
EX-6-TPH-1	Q1308-02	07 Feb 2025 01:28	FG015339.D	15.043	
EX-6-TPH-2	Q1308-03	07 Feb 2025 01:56	FG015340.D	15.045	
PIBLK04	LBLK04	07 Feb 2025 02:53	FG015342.D	15.043	
50 PPM TRPH STD	50 PPM TRPH STD	07 Feb 2025 03:50	FG015343.D	15.048	
PIBLK05	LBLK05	07 Feb 2025 06:55	FG015345.D	15.043	
50 PPM TRPH STD	50 PPM TRPH STD	07 Feb 2025 07:24	FG015346.D	15.046	
EX-11-TPH-7	Q1308-06	07 Feb 2025 08:45	FG015348.D	14.997	
EX-11-TPH-8	Q1308-07	07 Feb 2025 09:14	FG015349.D	15.040	
EX-11-TPH-9	Q1308-08	07 Feb 2025 09:43	FG015350.D	15.041	
EX-11-TPH-10	Q1308-09	07 Feb 2025 10:11	FG015351.D	14.995	
EX-11-TPH-11	Q1308-10	07 Feb 2025 10:40	FG015352.D	15.040	
EX-11-TPH-12	Q1308-11	07 Feb 2025 11:08	FG015353.D	15.038	
EX-11-TPH-13	Q1308-12	07 Feb 2025 11:37	FG015354.D	14.992	
EX-11-TPH-14	Q1308-13	07 Feb 2025 12:05	FG015355.D	15.040	
PIBLK06	LBLK06	07 Feb 2025 12:34	FG015356.D	15.042	
50 PPM TRPH STD	50 PPM TRPH STD	07 Feb 2025 13:02	FG015357.D	15.045	



QC SAMPLE DATA

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	
Client Sample ID:	PB166587BL	SDG No.:	Q1308
Lab Sample ID:	PB166587BL	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	100
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Final Vol:	1
GPC Factor :		Test:	Diesel Range Organics
Prep Method :	SW3541	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG015324.D	1	02/06/25 09:15	02/06/25 16:55	PB166587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	185	U	185	1670	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	15.2		37 - 130	76%	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\FG020625\
Data File : FG015324.D
Signal(s) : FID1A.ch
Acq On : 06 Feb 2025 16:55
Operator : YP\AJ
Sample : PB166587BL
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PB166587BL

Integration File: autoint1.e
Quant Time: Feb 07 03:12:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Quant Title :
QLast Update : Fri Jan 24 12:51:39 2025
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...	15.042	1945866	15.170 ug/ml

Target Compounds

(f)=RT Delta > 1/2 Window

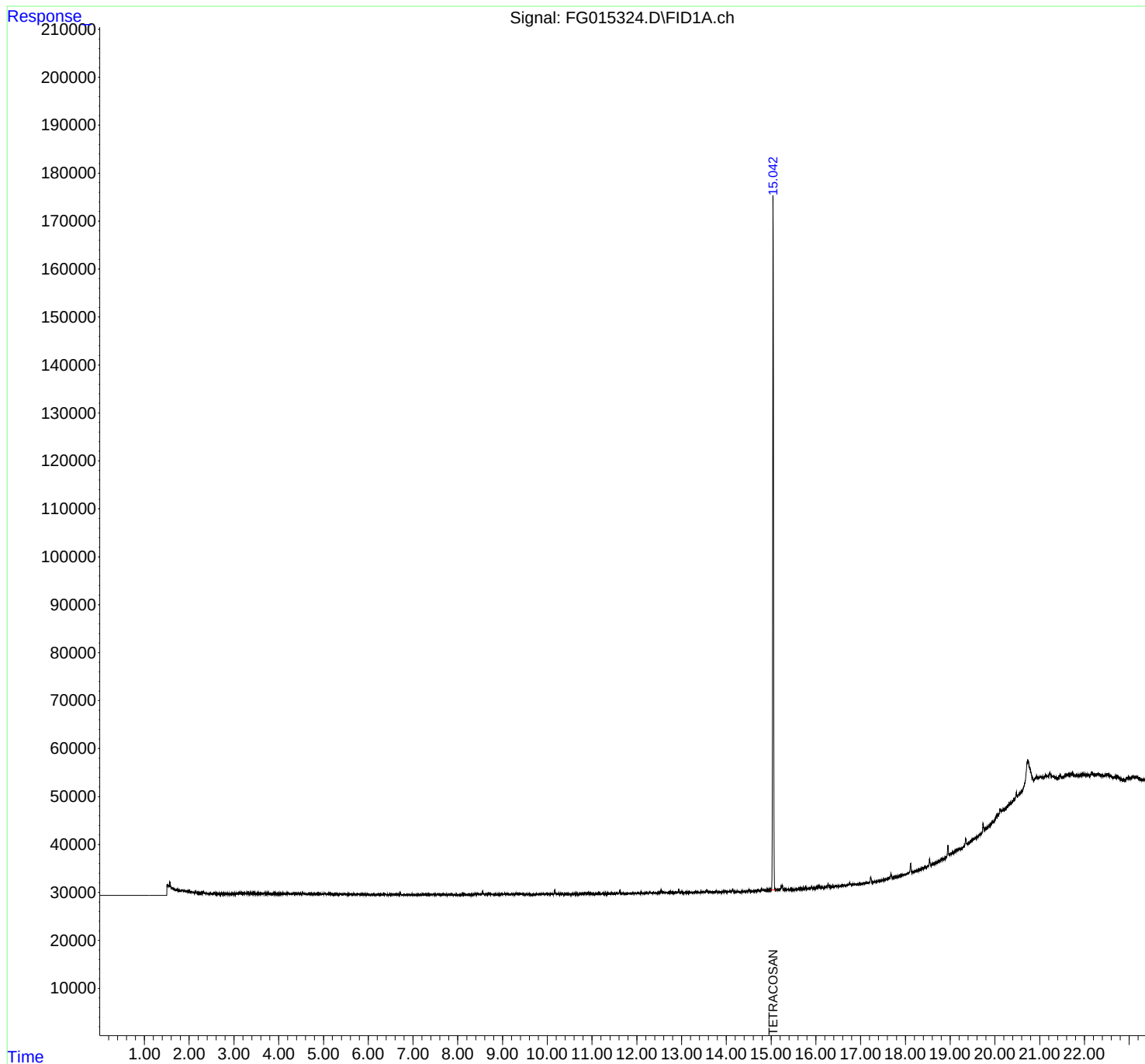
(m)=manual int.

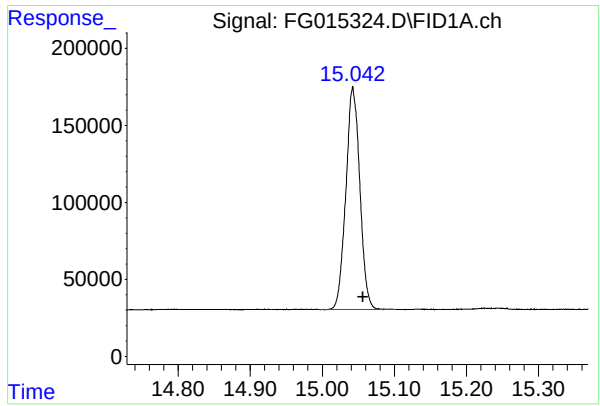
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG020625\
Data File : FG015324.D
Signal(s) : FID1A.ch
Acq On : 06 Feb 2025 16:55
Operator : YP\AJ
Sample : PB166587BL
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PB166587BL

Integration File: autoint1.e
Quant Time: Feb 07 03:12:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Quant Title :
QLast Update : Fri Jan 24 12:51:39 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#9 TETRACOSANE-d50 (SURROGATE)

R.T.: 15.042 min
Delta R.T.: -0.014 min
Response: 1945866
Conc: 15.17 ug/ml

Instrument :
FID_G
ClientSampleId :
PB166587BL

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG020625\
Data File : FG015324.D
Signal(s) : FID1A.ch
Acq On : 06 Feb 2025 16:55
Sample : PB166587BL
Misc :
ALS Vial : 26 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	15.042	14.995	15.102	BB	144276	1945866	100.00%	100.000%
Sum of corrected areas:						1945866		

FG011325.M Fri Feb 07 04:03:57 2025

Report of Analysis

Client:	ENTACT	Date Collected:	02/06/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/06/25
Client Sample ID:	PIBLK-FG015314.D	SDG No.:	Q1308
Lab Sample ID:	I.BLK-FG015314.D	Matrix:	Water
Analytical Method:	8015D DRO	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	1 mL
Extraction Type:		Test:	Diesel Range Organics
GPC Factor :	PH :	Injection Volume :	
Prep Method :	SW3510		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG015314.D	1		02/06/25	FG020625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
DRO	DRO	10.0	U	10.0	50.0	ug/L
SURROGATES						
16416-32-3	Tetracosane-d50	19.3		29 - 130	97%	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\FG020625\
Data File : FG015314.D
Signal(s) : FID1A.ch
Acq On : 06 Feb 2025 10:27
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: Feb 07 03:08:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Quant Title :
QLast Update : Fri Jan 24 12:51:39 2025
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...	15.044	2477838	19.317 ug/ml

Target Compounds

(f)=RT Delta > 1/2 Window

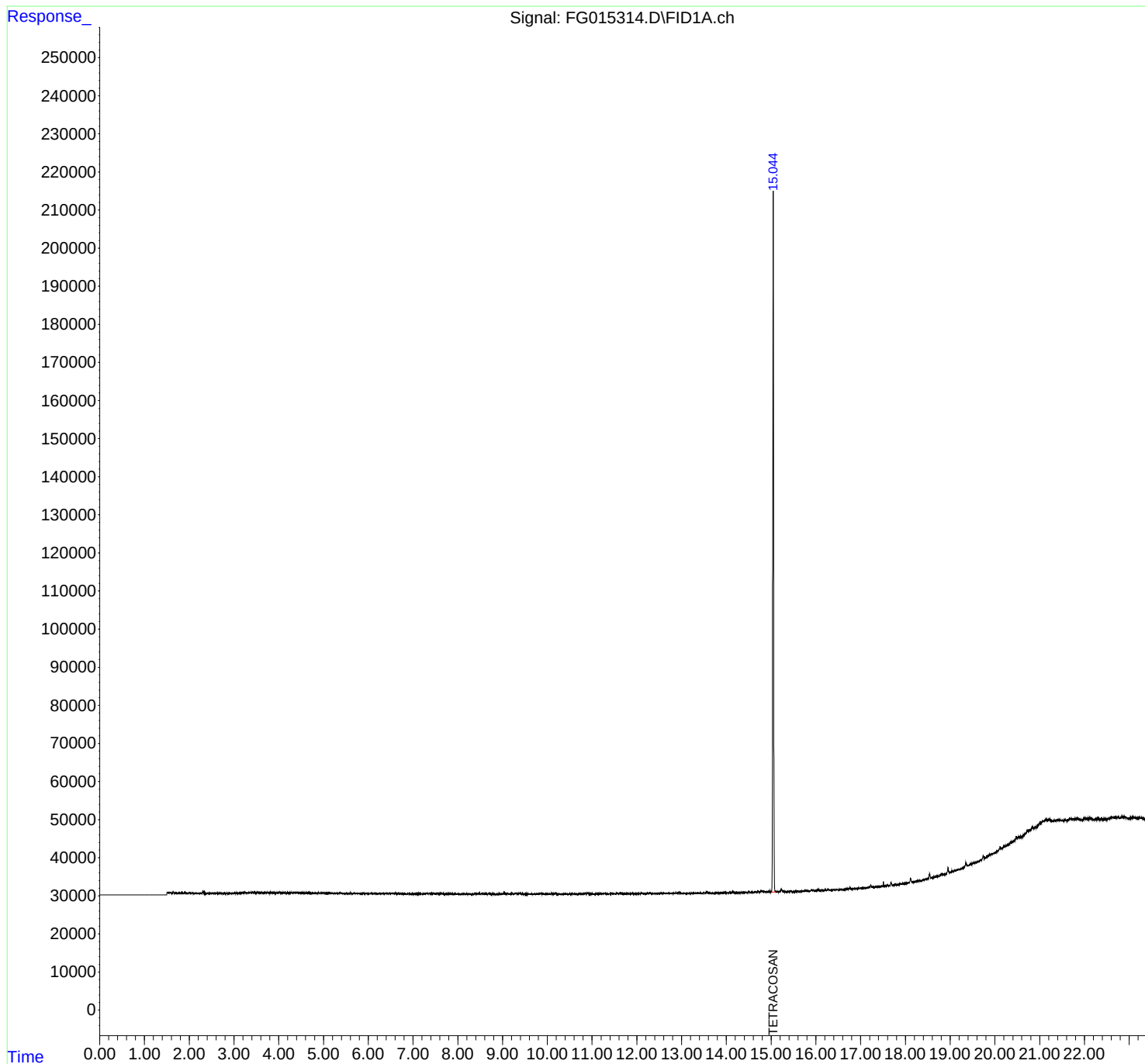
(m)=manual int.

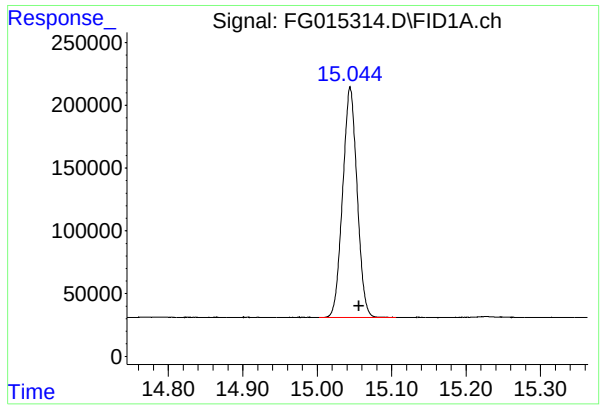
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG020625\
Data File : FG015314.D
Signal(s) : FID1A.ch
Acq On : 06 Feb 2025 10:27
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
I.BLK

Integration File: autoint1.e
Quant Time: Feb 07 03:08:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Quant Title :
QLast Update : Fri Jan 24 12:51:39 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#9 TETRACOSANE-d50 (SURROGATE)

R.T.: 15.044 min

Delta R.T.: -0.012 min

Response: 2477838

Conc: 19.32 ug/ml

Instrument :

FID_G

ClientSampleId :

I.BLK

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG020625\
Data File : FG015314.D
Signal(s) : FID1A.ch
Acq On : 06 Feb 2025 10:27
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	15.044	15.003	15.106	BB	183631	2477838	100.00%	100.000%
Sum of corrected areas:						2477838		

FG011325.M Fri Feb 07 04:00:40 2025

Report of Analysis

Client:	ENTACT	Date Collected:	02/06/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/06/25
Client Sample ID:	PIBLK-FG015322.D	SDG No.:	Q1308
Lab Sample ID:	I.BLK-FG015322.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
FG015322.D	1		02/06/25	FG020625

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

Comments:

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 P = Indicates >25% difference for detected concentrations between the two GC columns
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
 () = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG020625\
Data File : FG015322.D
Signal(s) : FID1A.ch
Acq On : 06 Feb 2025 15:58
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
I.BLK

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/07/2025
Supervised By :Ankita Jodhani 02/07/2025

Integration File: autoint1.e
Quant Time: Feb 07 03:11:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Quant Title :
QLast Update : Fri Jan 24 12:51:39 2025
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...	15.045	2133212	16.630 ug/mlm
Target Compounds			

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG020625\
Data File : FG015322.D
Signal(s) : FID1A.ch
Acq On : 06 Feb 2025 15:58
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

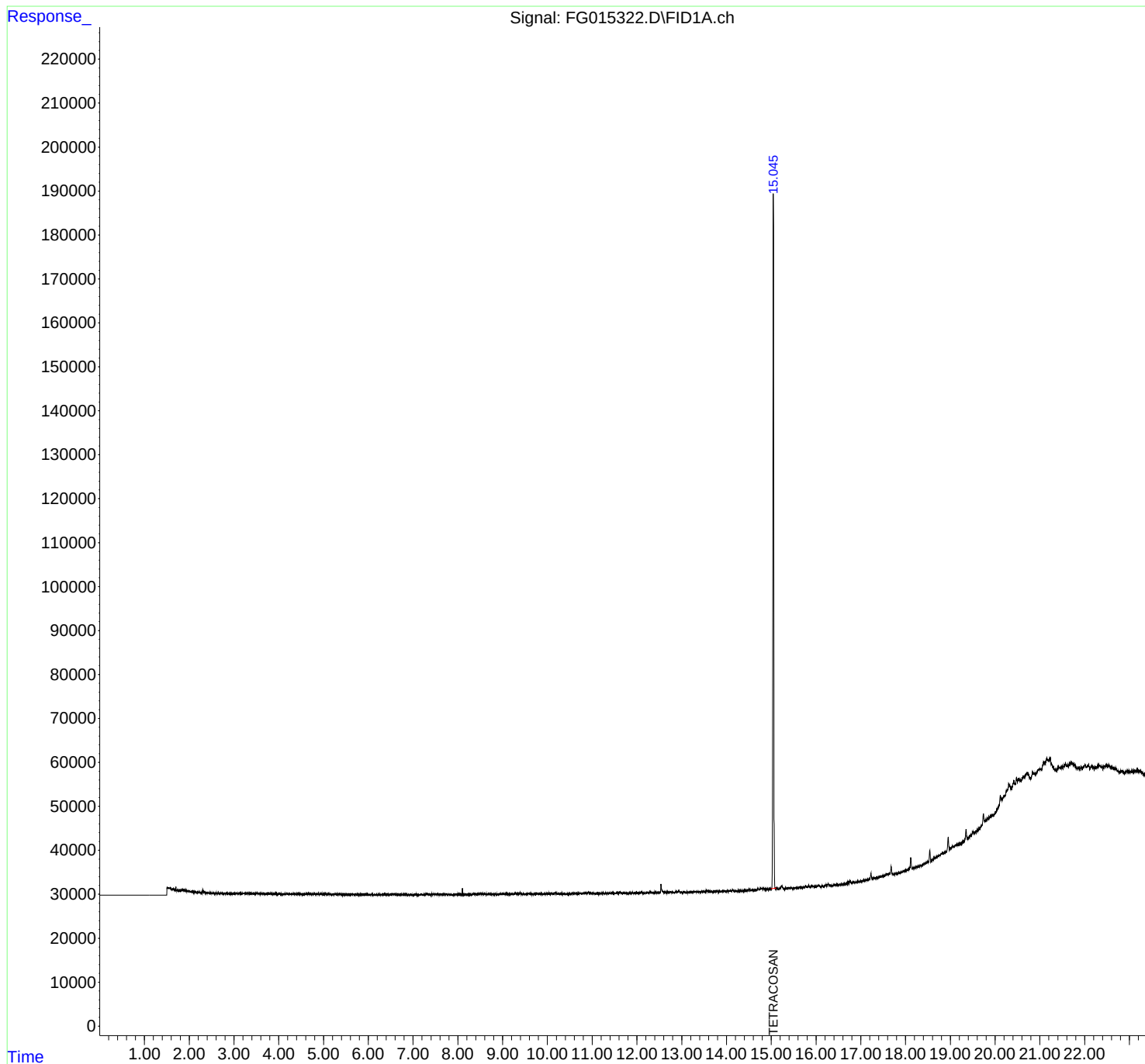
Instrument :
FID_G
ClientSampleId :
I.BLK

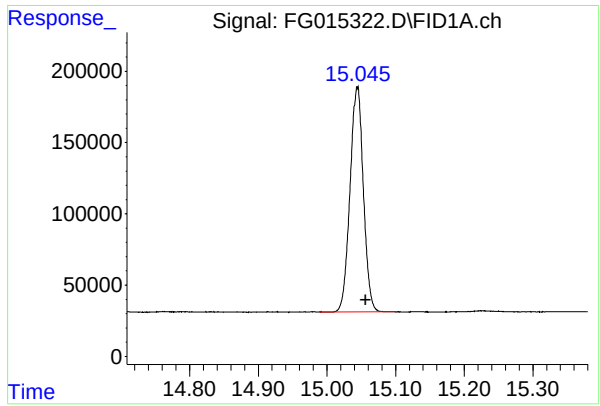
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/07/2025
Supervised By :Ankita Jodhani 02/07/2025

Integration File: autoint1.e
Quant Time: Feb 07 03:11:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Quant Title :
QLast Update : Fri Jan 24 12:51:39 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#9 TETRACOSANE-d50 (SURROGATE)

R.T.: 15.045 min
Delta R.T.: -0.011 min
Response: 2133212
Conc: 16.63 ug/ml

Instrument :

FID_G

ClientSampleId :

I.BLK

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/07/2025

Supervised By :Ankita Jodhani 02/07/2025

rteres

Instrument :
FID_G
LabSampleId :
I.BLK

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/07/2025
Supervised By :Ankita Jodhani 02/07/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG02062
Data File : FG015322.D
Signal(s) : FID1A.ch
Acq On : 06 Feb 2025 15:58
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	15.045	14.950	15.105	BB	156772	2144055	100.00%	100.000%
Sum of corrected areas:						2144055		

FG011325.M Fri Feb 07 04:02:39 2025

Report of Analysis

Client:	ENTACT	Date Collected:	02/06/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/06/25
Client Sample ID:	PIBLK-FG015332.D	SDG No.:	Q1308
Lab Sample ID:	I.BLK-FG015332.D	Matrix:	Water
Analytical Method:	8015D DRO	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	1 mL
Extraction Type:		Test:	Diesel Range Organics
GPC Factor :	PH :	Injection Volume :	
Prep Method :	SW3510		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG015332.D	1		02/06/25	FG020625

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	17.0		29 - 130	85%	SPK: 20

Comments:

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 P = Indicates >25% difference for detected concentrations between the two GC columns
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
 () = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG020625\
Data File : FG015332.D
Signal(s) : FID1A.ch
Acq On : 06 Feb 2025 20:43
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: Feb 07 03:15:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Quant Title :
QLast Update : Fri Jan 24 12:51:39 2025
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...	15.043	2179847	16.994 ug/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

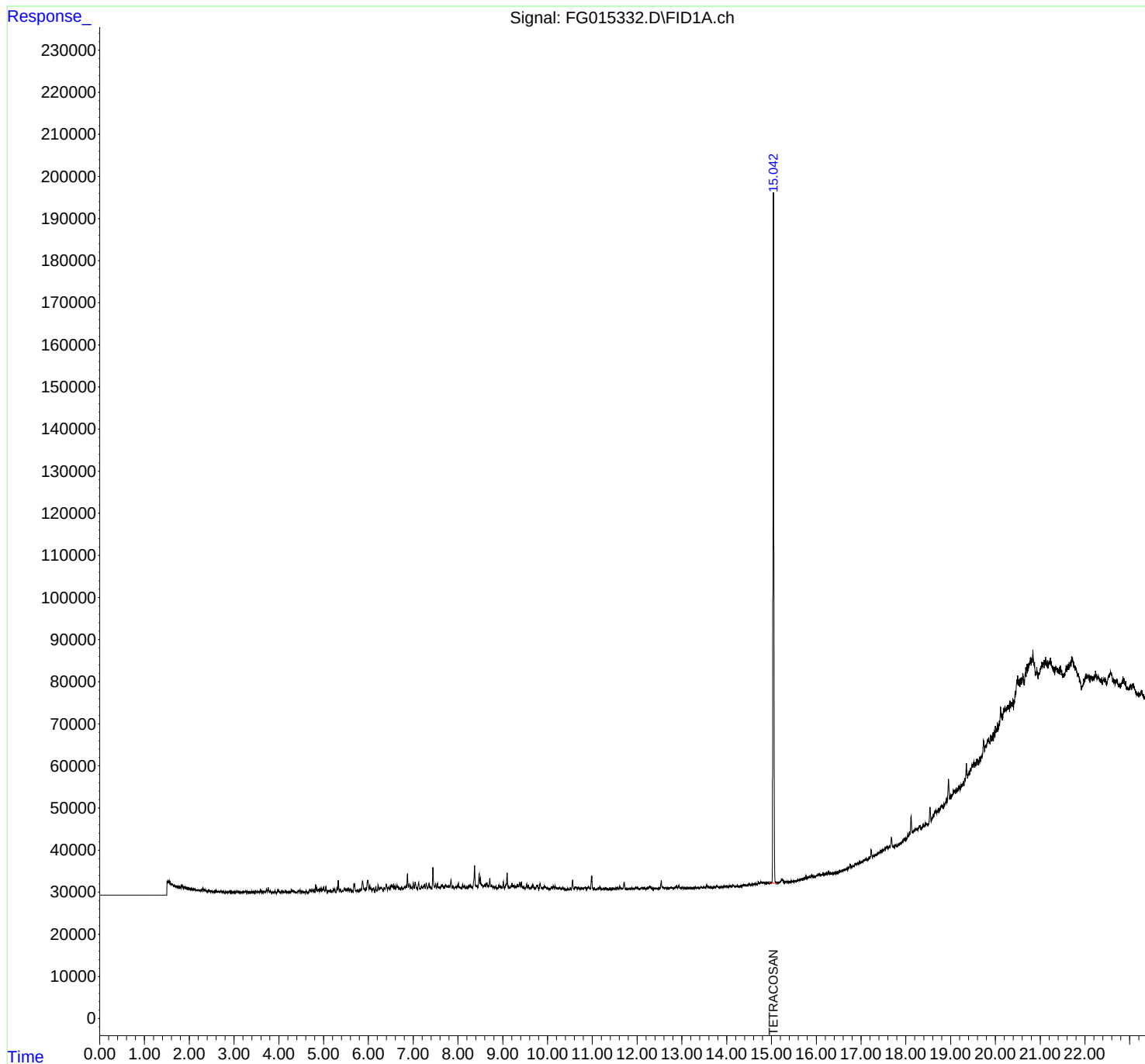
(m)=manual int.

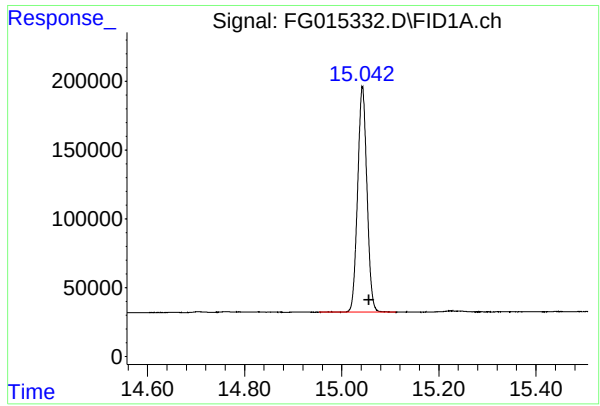
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG020625\
Data File : FG015332.D
Signal(s) : FID1A.ch
Acq On : 06 Feb 2025 20:43
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
I.BLK

Integration File: autoint1.e
Quant Time: Feb 07 03:15:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Quant Title :
QLast Update : Fri Jan 24 12:51:39 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#9 TETRACOSANE-d50 (SURROGATE)

R.T.: 15.043 min
Delta R.T.: -0.013 min
Response: 2179847
Conc: 16.99 ug/ml

Instrument :

FID_G

ClientSampleId :

I.BLK

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG020625\
Data File : FG015332.D
Signal(s) : FID1A.ch
Acq On : 06 Feb 2025 20:43
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	15.043	14.953	15.112	BB	163559	2179847	100.00%	100.000%
Sum of corrected areas:						2179847		

FG011325.M Fri Feb 07 04:05:28 2025

Report of Analysis

Client:	ENTACT	Date Collected:	02/07/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/07/25
Client Sample ID:	PIBLK-FG015342.D	SDG No.:	Q1308
Lab Sample ID:	I.BLK-FG015342.D	Matrix:	Water
Analytical Method:	8015D DRO	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	1 mL
Extraction Type:		Test:	Diesel Range Organics
GPC Factor :	PH :	Injection Volume :	
Prep Method :	SW3510		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG015342.D	1		02/07/25	FG020625

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	17.3		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\FG020625\
Data File : FG015342.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 02:53
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: Feb 07 03:19:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Quant Title :
QLast Update : Fri Jan 24 12:51:39 2025
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...	15.043	2217876	17.290 ug/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

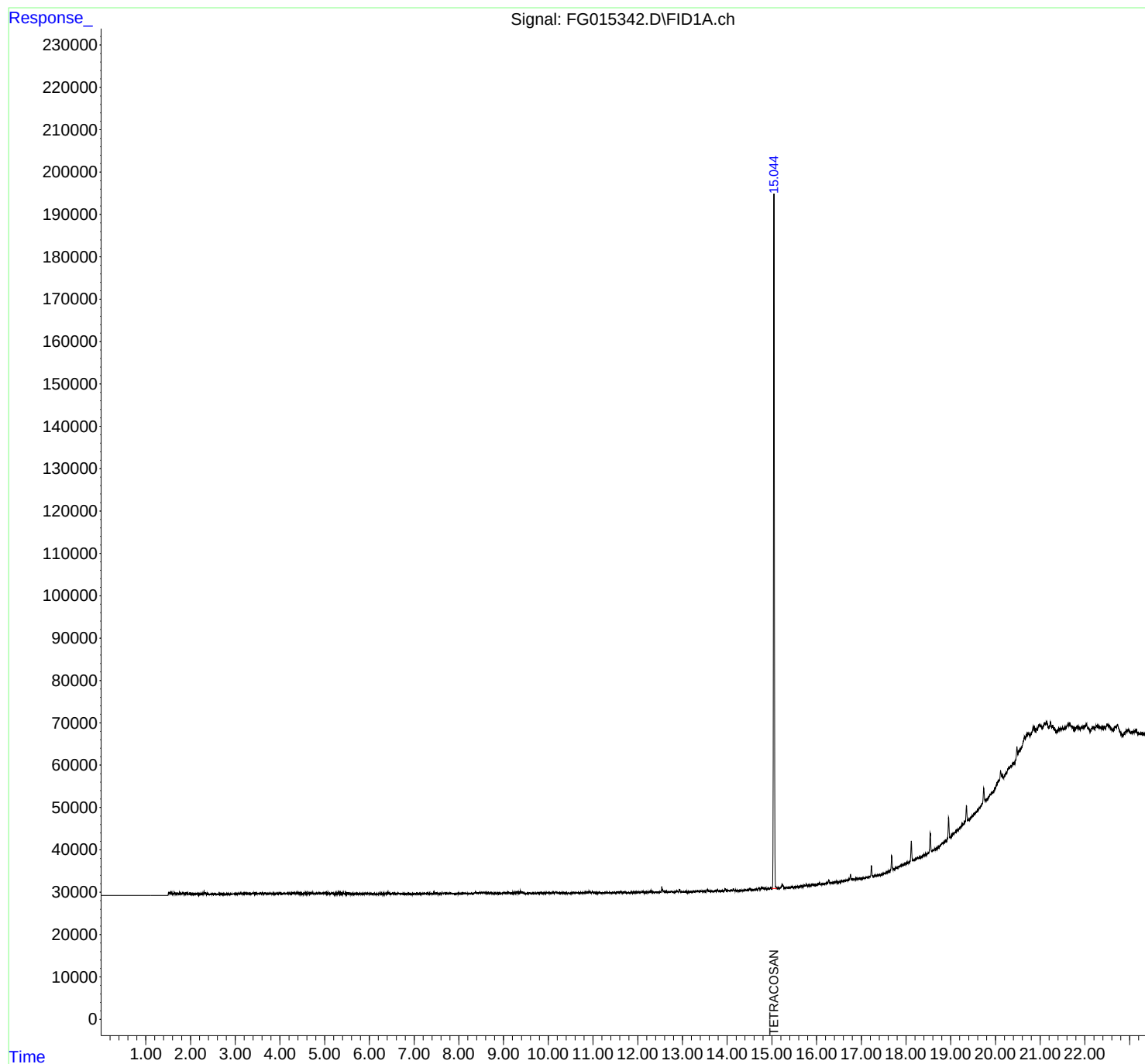
(m)=manual int.

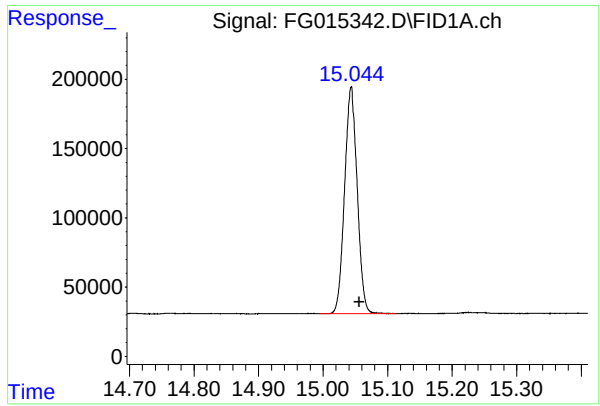
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG020625\
Data File : FG015342.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 02:53
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
I.BLK

Integration File: autoint1.e
Quant Time: Feb 07 03:19:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Quant Title :
QLast Update : Fri Jan 24 12:51:39 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#9 TETRACOSANE-d50 (SURROGATE)

R.T.: 15.043 min
Delta R.T.: -0.013 min
Response: 2217876
Conc: 17.29 ug/ml

Instrument :
FID_G
ClientSampleId :
I.BLK

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG020625\
Data File : FG015342.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 02:53
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	15.043	14.994	15.113	BB	163296	2217876	100.00%	100.000%
Sum of corrected areas:						2217876		

FG011325.M Fri Feb 07 04:06:47 2025

Report of Analysis

Client:	ENTACT	Date Collected:	02/07/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/07/25
Client Sample ID:	PIBLK-FG015345.D	SDG No.:	Q1308
Lab Sample ID:	I.BLK-FG015345.D	Matrix:	Water
Analytical Method:	8015D DRO	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	1 mL
Extraction Type:		Test:	Diesel Range Organics
GPC Factor :	PH :	Injection Volume :	
Prep Method :	SW3510		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG015345.D	1		02/07/25	FG020725

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	18.3		29 - 130	92%	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\FG020725\
Data File : FG015345.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 06:55
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: Feb 08 05:50:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Quant Title :
QLast Update : Fri Jan 24 12:51:39 2025
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...	15.043	2349126	18.313 ug/ml

Target Compounds

(f)=RT Delta > 1/2 Window

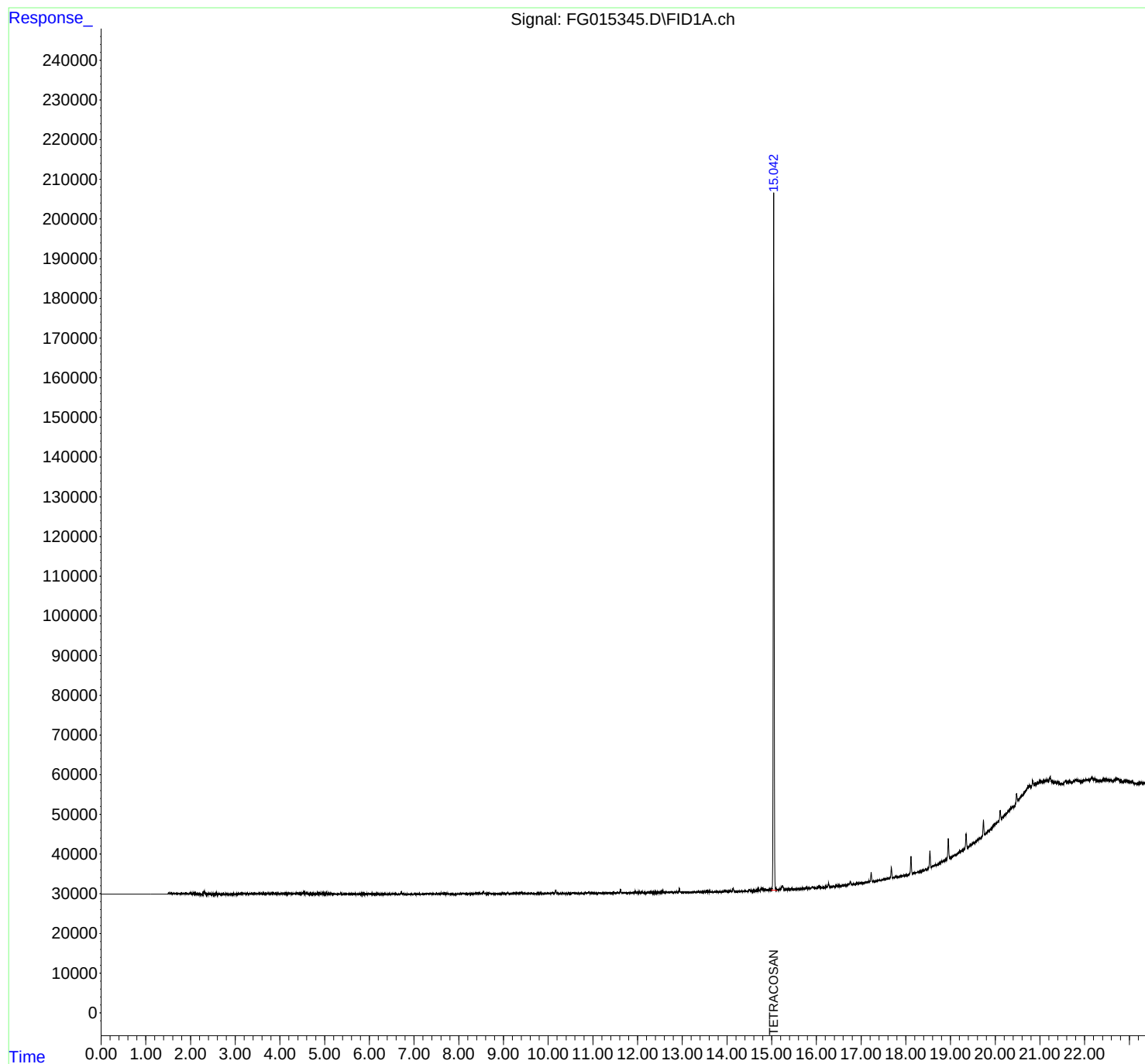
(m)=manual int.

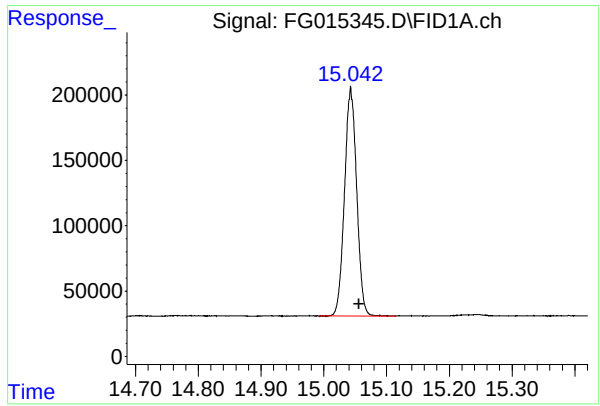
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG020725\
Data File : FG015345.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 06:55
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
I.BLK

Integration File: autoint1.e
Quant Time: Feb 08 05:50:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Quant Title :
QLast Update : Fri Jan 24 12:51:39 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#9 TETRACOSANE-d50 (SURROGATE)

R.T.: 15.043 min

Delta R.T.: -0.013 min

Response: 2349126

Conc: 18.31 ug/ml

Instrument :

FID_G

ClientSampleId :

I.BLK

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG020725\
Data File : FG015345.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 06:55
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	15.043	14.993	15.115	BB	175154	2349126	100.00%	100.000%
Sum of corrected areas:						2349126		

FG011325.M Sun Feb 09 23:16:10 2025

Report of Analysis

Client:	ENTACT	Date Collected:	02/07/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/07/25
Client Sample ID:	PIBLK-FG015356.D	SDG No.:	Q1308
Lab Sample ID:	I.BLK-FG015356.D	Matrix:	Water
Analytical Method:	8015D DRO	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	1 mL
Extraction Type:		Test:	Diesel Range Organics
GPC Factor :	PH :	Injection Volume :	
Prep Method :	SW3510		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG015356.D	1		02/07/25	FG020725

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	16.2		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\FG020725\
Data File : FG015356.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 12:34
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: Feb 08 05:54:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Quant Title :
QLast Update : Fri Jan 24 12:51:39 2025
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...	15.042	2073899	16.168 ug/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

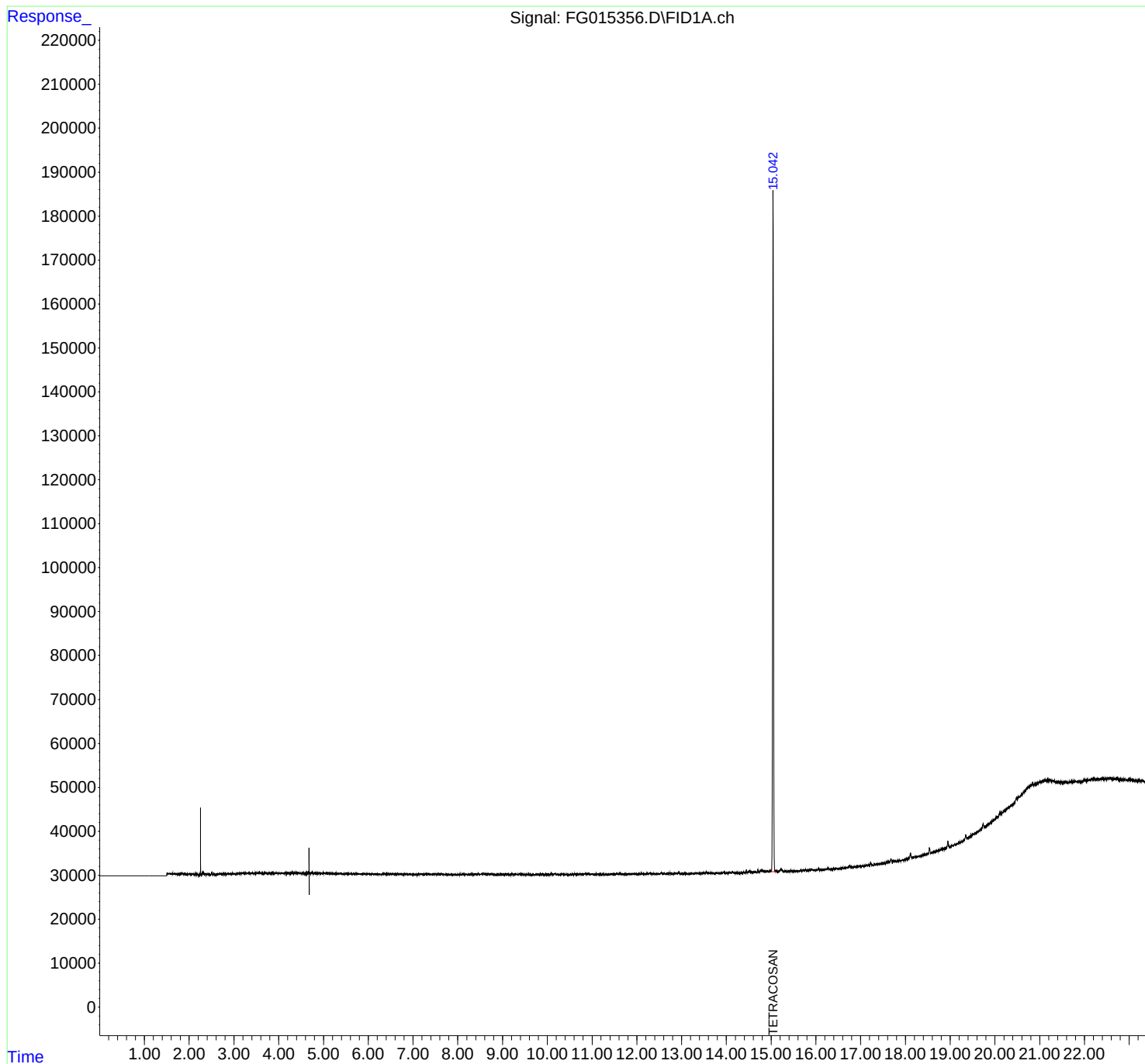
(m)=manual int.

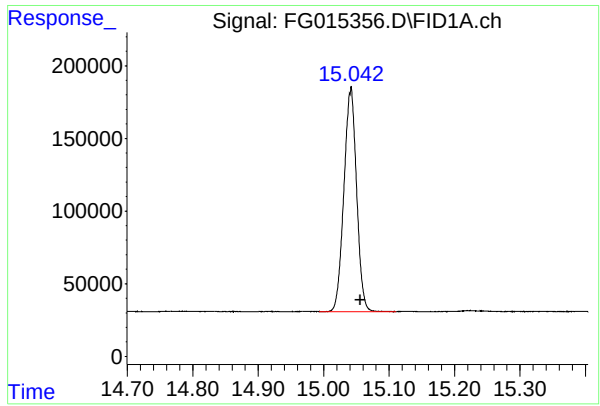
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG020725\
Data File : FG015356.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 12:34
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
I.BLK

Integration File: autoint1.e
Quant Time: Feb 08 05:54:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Quant Title :
QLast Update : Fri Jan 24 12:51:39 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#9 TETRACOSANE-d50 (SURROGATE)

R.T.: 15.042 min
Delta R.T.: -0.015 min
Response: 2073899
Conc: 16.17 ug/ml

Instrument :
FID_G
ClientSampleId :
I.BLK

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG020725\
Data File : FG015356.D
Signal(s) : FID1A.ch
Acq On : 07 Feb 2025 12:34
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	15.042	14.993	15.110	BB	155080	2073899	100.00%	100.000%
Sum of corrected areas:						2073899		

FG011325.M Sun Feb 09 23:18:33 2025

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	
Client Sample ID:	PB166587BS	SDG No.:	Q1308
Lab Sample ID:	PB166587BS	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
FG015325.D	1	02/06/25 09:15	02/06/25 17:23	PB166587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	6000		185	1670	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	15.6		37 - 130	78%	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\FG020625\
 Data File : FG015325.D
 Signal(s) : FID1A.ch
 Acq On : 06 Feb 2025 17:23
 Operator : YP\AJ
 Sample : PB166587BS
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 PB166587BS

Integration File: autoint1.e
 Quant Time: Feb 07 03:12:43 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
 Quant Title :
 QLast Update : Fri Jan 24 12:51:39 2025
 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...	15.043	1995576	15.557 ug/ml
Target Compounds			
2) N-DECANE	4.536	2173088	16.823 ug/ml
3) N-DODECANE	6.719	2323990	17.058 ug/ml
4) N-TETRADECANE	8.556	2434910	17.790 ug/ml
5) N-HEXADECANE	10.171	2541708	18.012 ug/ml
6) N-OCTADECANE	11.621	2657883	18.119 ug/ml
7) N-EICOSANE	12.937	2718754	18.700 ug/ml
8) N-DOCOSANE	14.140	2646103	18.444 ug/ml
10) N-TETRACOSANE	15.248	2636949	18.463 ug/ml
11) N-HEXACOSANE	16.273	2593918	18.417 ug/ml
12) N-OCTACOSANE	17.226	2538881	18.131 ug/ml

(f)=RT Delta > 1/2 Window

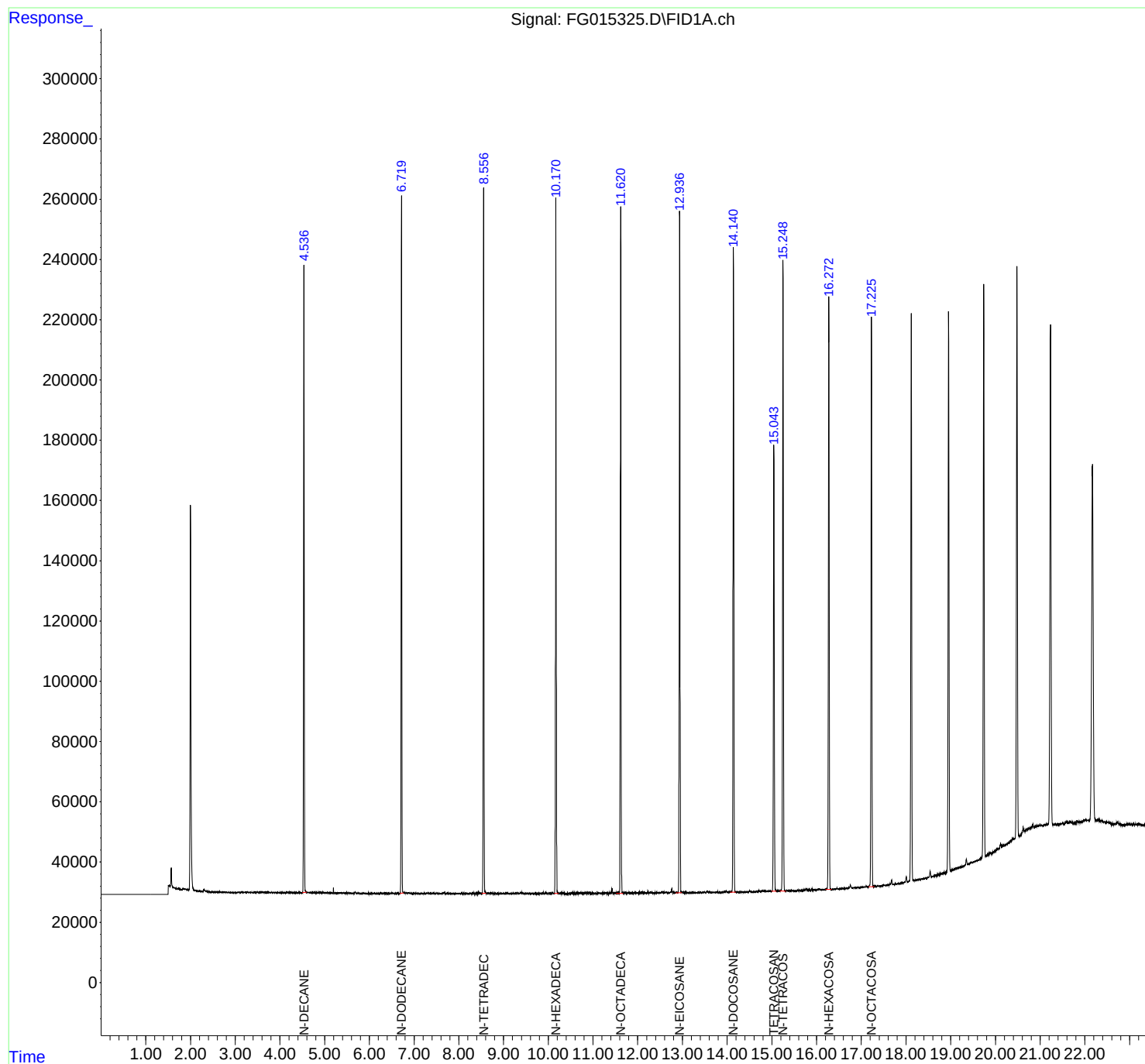
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG020625\
Data File : FG015325.D
Signal(s) : FID1A.ch
Acq On : 06 Feb 2025 17:23
Operator : YP\AJ
Sample : PB166587BS
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PB166587BS

Integration File: autoint1.e
Quant Time: Feb 07 03:12:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Quant Title :
QLast Update : Fri Jan 24 12:51:39 2025
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\FG020625\
Data File : FG015325.D
Signal(s) : FID1A.ch
Acq On : 06 Feb 2025 17:23
Sample : PB166587BS
Misc :
ALS Vial : 27 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.536	4.495	4.593	BB	208122	2173088	79.93%	7.971%
2	6.719	6.676	6.772	BB	231324	2323990	85.48%	8.525%
3	8.556	8.515	8.610	BB	234189	2434910	89.56%	8.932%
4	10.171	10.130	10.229	BB	230487	2541708	93.49%	9.323%
5	11.621	11.526	11.674	BB	227786	2657883	97.76%	9.749%
6	12.937	12.844	12.980	BB	225322	2718754	100.00%	9.973%
7	14.140	14.067	14.190	BB	213680	2646103	97.33%	9.706%
8	15.043	14.995	15.100	BB	148006	1995576	73.40%	7.320%
9	15.248	15.179	15.307	BB	208599	2636949	96.99%	9.673%
10	16.273	16.205	16.326	BB	196067	2593918	95.41%	9.515%
11	17.226	17.158	17.289	BB	188353	2538881	93.38%	9.313%
Sum of corrected areas:						27261759		

FG011325.M Fri Feb 07 04:04:25 2025

Report of Analysis

Client:	ENTACT		Date Collected:	02/05/25	
Project:	North Point - 4101 Arthur Kill Rd - E9306		Date Received:	02/05/25	
Client Sample ID:	EX-11-TPH-5MS		SDG No.:	Q1308	
Lab Sample ID:	Q1308-04MS		Matrix:	SOIL	
Analytical Method:	8015D DRO		% Solid:	85.3	Decanted:
Sample Wt/Vol:	30.08	Units: g	Final Vol:	1	mL
Soil Aliquot Vol:		uL	Test:	Diesel Range Organics	
Extraction Type:			Injection Volume :		
GPC Factor :		PH :			
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG015326.D	1	02/06/25 09:15	02/06/25 17:52	PB166587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	8120		216	1950	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	10.2		37 - 130	51%	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\FG020625\
 Data File : FG015326.D
 Signal(s) : FID1A.ch
 Acq On : 06 Feb 2025 17:52
 Operator : YP\AJ
 Sample : Q1308-04MS
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 EX-11-TPH-5MS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/07/2025
 Supervised By :Ankita Jodhani 02/07/2025

Integration File: autoint1.e
 Quant Time: Feb 07 03:13:08 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
 Quant Title :
 QLast Update : Fri Jan 24 12:51:39 2025
 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...	15.042	1313862	10.243 ug/ml
Target Compounds			
2) N-DECANE	4.537	2100273	16.259 ug/ml
3) N-DODECANE	6.718	2223996	16.324 ug/ml
4) N-TETRADECANE	8.555	2342009	17.112 ug/ml
5) N-HEXADECANE	10.170	2427098	17.200 ug/ml
6) N-OCTADECANE	11.620	2528481	17.237 ug/ml
7) N-EICOSANE	12.936	2577442	17.728 ug/ml
8) N-DOCOSANE	14.140	2520224	17.567 ug/ml
10) N-TETRACOSANE	15.248	2482109	17.379 ug/ml
11) N-HEXACOSANE	16.273	2463962	17.495 ug/ml
12) N-OCTACOSANE	17.224	2425501	17.321 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG020625\
Data File : FG015326.D
Signal(s) : FID1A.ch
Acq On : 06 Feb 2025 17:52
Operator : YP\AJ
Sample : Q1308-04MS
Misc :
ALS Vial : 28 Sample Multiplier: 1

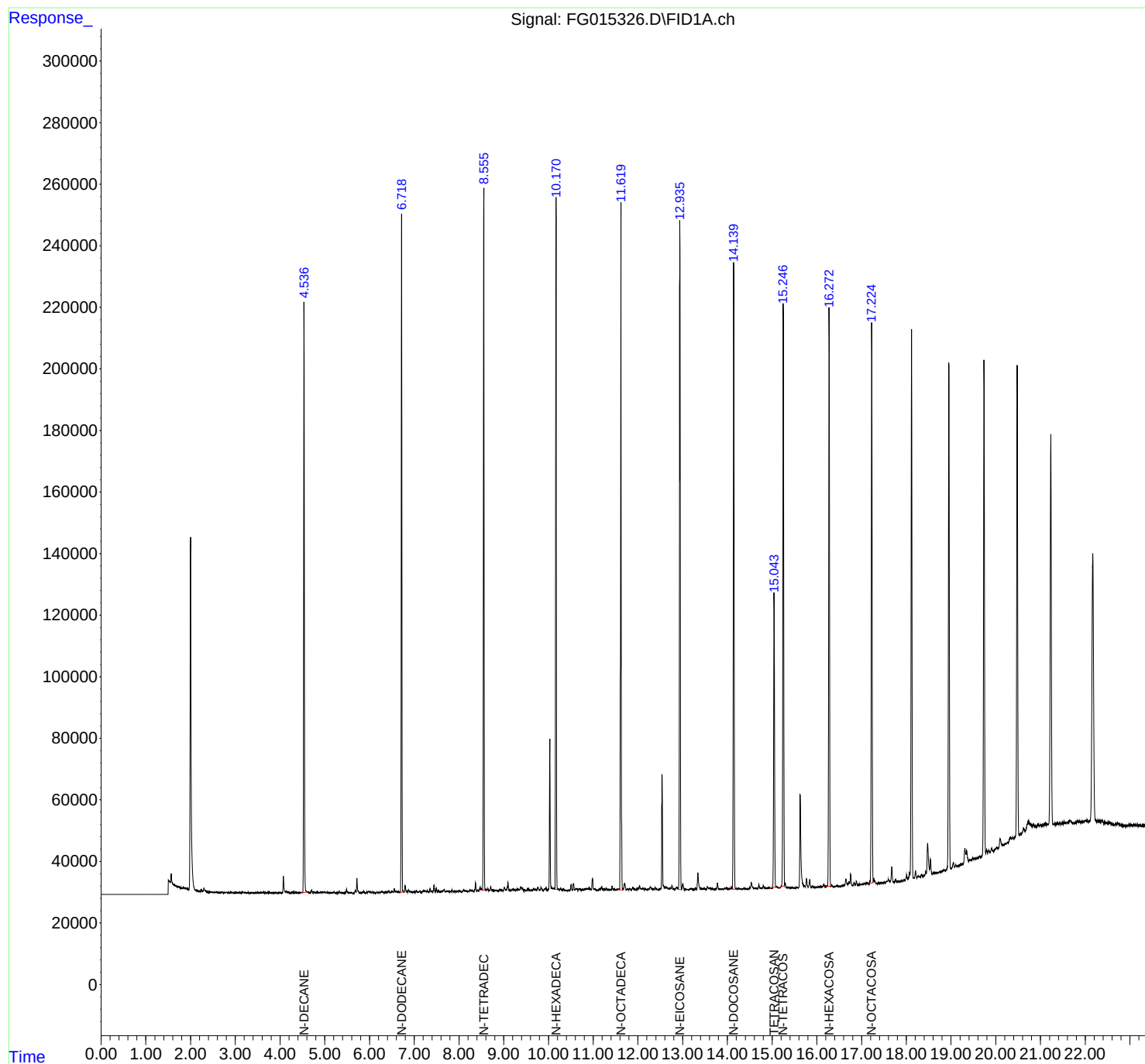
Instrument :
FID_G
ClientSampleId :
EX-11-TPH-5MS

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/07/2025
Supervised By :Ankita Jodhani 02/07/2025

Integration File: autoint1.e
Quant Time: Feb 07 03:13:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Quant Title :
QLast Update : Fri Jan 24 12:51:39 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Instrument :

FID_G

ClientSampleId :

EX-11-TPH-5MS

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/07/2025

Supervised By :Ankita Jodhani 02/07/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG02062
Data File : FG015326.D
Signal(s) : FID1A.ch
Acq On : 06 Feb 2025 17:52
Sample : Q1308-04MS
Misc :
ALS Vial : 28 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.378	4.356	4.395	BV	177	1042	0.04%	0.003%
2	4.415	4.395	4.421	PV	139	952	0.04%	0.003%
3	4.429	4.421	4.462	VV	169	2061	0.08%	0.007%
4	4.473	4.462	4.478	VV	157	1019	0.04%	0.003%
5	4.481	4.478	4.505	VV	166	1935	0.07%	0.006%
6	4.537	4.505	4.635	VV	191975	2120129	81.92%	6.944%
7	4.639	4.635	4.675	VV	234	3958	0.15%	0.013%
8	4.707	4.675	4.744	VV	1073	19291	0.75%	0.063%
9	4.748	4.744	4.772	VV	233	3767	0.15%	0.012%
10	4.777	4.772	4.785	VV	271	1531	0.06%	0.005%
11	4.789	4.785	4.806	VV	260	1878	0.07%	0.006%
12	4.825	4.806	4.838	VV	362	4116	0.16%	0.013%
13	4.846	4.838	4.870	VV	334	4414	0.17%	0.014%
14	4.878	4.870	4.882	VV	220	1363	0.05%	0.004%
15	4.888	4.882	4.895	VV	279	1675	0.06%	0.005%
16	4.902	4.895	4.915	VV	279	2779	0.11%	0.009%
17	4.931	4.915	4.950	VV	366	5794	0.22%	0.019%
18	4.954	4.950	4.973	VV	299	3326	0.13%	0.011%
19	4.981	4.973	4.985	VV	298	1766	0.07%	0.006%
20	5.007	4.985	5.033	VV	412	7082	0.27%	0.023%
21	5.049	5.033	5.072	VV	391	5695	0.22%	0.019%
22	5.079	5.072	5.085	VV	152	818	0.03%	0.003%
23	5.092	5.085	5.103	VV	225	1292	0.05%	0.004%
24	5.123	5.103	5.141	VV	226	3225	0.12%	0.011%
25	5.154	5.141	5.168	VV	278	2888	0.11%	0.009%
26	5.192	5.168	5.234	VV	388	10697	0.41%	0.035%
27	5.247	5.234	5.254	VV	219	2083	0.08%	0.007%
28	5.257	5.254	5.273	VV	237	1749	0.07%	0.006%
29	5.299	5.273	5.313	VV	334	4441	0.17%	0.015%
30	5.327	5.313	5.355	VV	562	8659	0.33%	0.028%
31	5.361	5.355	5.394	VV	324	4500	0.17%	0.015%
32	5.424	5.394	5.441	PV	192	2896	0.11%	0.009%
33	5.456	5.441	5.467	VV	278	2920	0.11%	0.010%
34	5.486	5.467	5.542	VV	1388	21017	0.81%	0.069%
35	5.556	5.542	5.575	VV	265	3743	0.14%	0.012%
36	5.579	5.575	5.602	VV	201	2400	0.09%	0.008%

					retention			
37	5.605	5.602	5.618	VV	191	1167	0.05%	0.004%
38	5.619	5.618	5.643	VV	117	1130		
39	5.648	5.643	5.653	VV	68	439		
40	5.681	5.653	5.704	PV	947	14435		
41	5.719	5.704	5.787	VV	4860	64378		
42	5.799	5.787	5.805	VV	228	2026		
43	5.808	5.805	5.823	VV	276	1904	0.07%	0.006%
44	5.833	5.823	5.840	VV	263	1669	0.06%	0.005%
45	5.865	5.840	5.896	VV	677	12061	0.47%	0.040%
46	5.911	5.896	5.922	VV	196	2334	0.09%	0.008%
47	5.947	5.922	5.959	VV	421	6307	0.24%	0.021%
48	5.977	5.959	5.985	VV	640	7419	0.29%	0.024%
49	5.990	5.985	6.025	VV	585	10330	0.40%	0.034%
50	6.030	6.025	6.043	VV	330	2904	0.11%	0.010%
51	6.055	6.043	6.086	VV	415	7370	0.28%	0.024%
52	6.098	6.086	6.105	VV	230	1928	0.07%	0.006%
53	6.116	6.105	6.143	VV	279	3269	0.13%	0.011%
54	6.162	6.143	6.179	PV	373	4427	0.17%	0.015%
55	6.216	6.179	6.234	VV	498	7502	0.29%	0.025%
56	6.270	6.234	6.289	VV	556	12869	0.50%	0.042%
57	6.292	6.289	6.329	VV	409	6683	0.26%	0.022%
58	6.355	6.329	6.369	VV	371	6328	0.24%	0.021%
59	6.374	6.369	6.385	VV	316	2488	0.10%	0.008%
60	6.405	6.385	6.414	VV	530	7076	0.27%	0.023%
61	6.433	6.414	6.465	VV	873	14509	0.56%	0.048%
62	6.483	6.465	6.498	VV	462	6416	0.25%	0.021%
63	6.509	6.498	6.534	VV	502	8708	0.34%	0.029%
64	6.556	6.534	6.574	VV	1434	19381	0.75%	0.063%
65	6.585	6.574	6.600	VV	502	7205	0.28%	0.024%
66	6.603	6.600	6.625	VV	444	4820	0.19%	0.016%
67	6.633	6.625	6.651	VV	468	5528	0.21%	0.018%
68	6.658	6.651	6.688	VV	320	5623	0.22%	0.018%
69	6.718	6.688	6.772	VV	220635	2237514	86.45%	7.329%
70	6.797	6.772	6.836	VV	2401	37484	1.45%	0.123%
71	6.842	6.836	6.856	VV	469	4728	0.18%	0.015%
72	6.873	6.856	6.895	VV	888	13428	0.52%	0.044%
73	6.909	6.895	6.936	VV	492	8261	0.32%	0.027%
74	6.948	6.936	6.969	VV	328	4706	0.18%	0.015%
75	6.976	6.969	6.980	VV	234	1262	0.05%	0.004%
76	7.000	6.980	7.024	VV	558	9049	0.35%	0.030%
77	7.045	7.024	7.078	VV	806	14045	0.54%	0.046%
78	7.083	7.078	7.092	VV	266	1683	0.07%	0.006%
79	7.122	7.092	7.158	VV	581	11172	0.43%	0.037%
80	7.160	7.158	7.164	VV	140	437	0.02%	0.001%
81	7.191	7.164	7.197	VV	449	6211	0.24%	0.020%
82	7.209	7.197	7.235	VV	823	13940	0.54%	0.046%
83	7.256	7.235	7.277	VV	702	12763	0.49%	0.042%
84	7.293	7.277	7.325	VV	658	11480	0.44%	0.038%
85	7.354	7.325	7.384	VV	1030	18277	0.71%	0.060%
86	7.397	7.384	7.419	VV	609	8813	0.34%	0.029%
87	7.442	7.419	7.475	VV	2461	33826	1.31%	0.111%
88	7.492	7.475	7.519	VV	1308	19317	0.75%	0.063%
89	7.540	7.519	7.562	VV	736	11629	0.45%	0.038%

Instrument :

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ClientSampleId :

EX-11-TPH-5MS

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90	7.568	7.562	7.582	VV	344	3454	0.13%	0.011%
91	7.588	7.582	7.598	VV	318	2499		
92	7.611	7.598	7.616	VV	363	3268		
93	7.669	7.616	7.692	VV	1039	24140		
94	7.729	7.692	7.751	VV	560	12618		
95	7.756	7.751	7.775	VV	341	3923		
96	7.798	7.775	7.822	VV	397	8362	0.32%	0.027%
97	7.846	7.822	7.874	VV	744	14153	0.55%	0.046%
98	7.892	7.874	7.916	VV	425	6222	0.24%	0.020%
99	7.930	7.916	7.941	VV	292	3415	0.13%	0.011%
100	7.956	7.941	7.973	VV	501	7184	0.28%	0.024%
101	8.011	7.973	8.029	VV	700	14344	0.55%	0.047%
102	8.037	8.029	8.074	VV	295	5720	0.22%	0.019%
103	8.100	8.074	8.118	VV	903	14485	0.56%	0.047%
104	8.127	8.118	8.146	VV	549	7787	0.30%	0.026%
105	8.155	8.146	8.184	VV	489	8362	0.32%	0.027%
106	8.192	8.184	8.218	VV	405	6638	0.26%	0.022%
107	8.249	8.218	8.266	VV	769	14897	0.58%	0.049%
108	8.282	8.266	8.301	VV	785	12456	0.48%	0.041%
109	8.303	8.301	8.317	VV	623	4362	0.17%	0.014%
110	8.324	8.317	8.330	VV	314	2104	0.08%	0.007%
111	8.372	8.330	8.399	VV	3028	48535	1.88%	0.159%
112	8.419	8.399	8.435	VV	613	11602	0.45%	0.038%
113	8.473	8.435	8.491	VV	1719	32925	1.27%	0.108%
114	8.503	8.491	8.524	VV	1171	18214	0.70%	0.060%
115	8.555	8.524	8.617	VV	228392	2380951	91.99%	7.799%
116	8.648	8.617	8.668	VV	1007	23165	0.90%	0.076%
117	8.680	8.668	8.688	VV	588	6261	0.24%	0.021%
118	8.711	8.688	8.738	VV	1925	29676	1.15%	0.097%
119	8.746	8.738	8.765	VV	747	10037	0.39%	0.033%
120	8.771	8.765	8.787	VV	674	7254	0.28%	0.024%
121	8.800	8.787	8.818	VV	693	9904	0.38%	0.032%
122	8.840	8.818	8.846	VV	581	7942	0.31%	0.026%
123	8.850	8.846	8.872	VV	521	6132	0.24%	0.020%
124	8.888	8.872	8.899	VV	469	6113	0.24%	0.020%
125	8.915	8.899	8.932	VV	907	13293	0.51%	0.044%
126	8.949	8.932	8.963	VV	743	11794	0.46%	0.039%
127	8.979	8.963	8.994	VV	593	9729	0.38%	0.032%
128	9.014	8.994	9.041	VV	1517	28671	1.11%	0.094%
129	9.058	9.041	9.062	VV	809	9174	0.35%	0.030%
130	9.097	9.062	9.124	VV	3145	55051	2.13%	0.180%
131	9.131	9.124	9.137	VV	611	3993	0.15%	0.013%
132	9.144	9.137	9.160	VV	551	6326	0.24%	0.021%
133	9.178	9.160	9.188	VV	662	9400	0.36%	0.031%
134	9.205	9.188	9.226	VV	1036	17321	0.67%	0.057%
135	9.244	9.226	9.260	VV	912	13868	0.54%	0.045%
136	9.277	9.260	9.287	VV	653	8394	0.32%	0.027%
137	9.304	9.287	9.317	VV	876	13459	0.52%	0.044%
138	9.326	9.317	9.345	VV	921	12632	0.49%	0.041%
139	9.351	9.345	9.358	VV	707	5167	0.20%	0.017%
140	9.382	9.358	9.399	VV	1595	29689	1.15%	0.097%
141	9.415	9.399	9.449	VV	1389	24547	0.95%	0.080%

Instrument :

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EX-11-TPH-5MS

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142	9.468	9.449	9.495	VV	722	12919	0.50%	0.042%
143	9.531	9.495	9.550	VV	1040	19307	0.41%	0.035%
144	9.566	9.550	9.578	VV	775	10118	0.41%	0.035%
145	9.590	9.578	9.601	VV	476	5634	0.41%	0.035%
146	9.619	9.601	9.631	VV	496	7521	0.41%	0.035%
147	9.670	9.631	9.703	VV	1085	28088	0.41%	0.035%
148	9.714	9.703	9.735	VV	694	10632	0.41%	0.035%
149	9.763	9.735	9.799	VV	1397	32414	1.25%	0.106%
150	9.837	9.799	9.890	VV	1445	37711	1.46%	0.124%
151	9.930	9.890	9.936	VV	969	19168	0.74%	0.063%
152	9.948	9.936	9.975	VV	1017	17370	0.67%	0.057%
153	10.000	9.975	10.009	VV	818	12237	0.47%	0.040%
154	10.032	10.009	10.067	VV	49385	529012	20.44%	1.733%
155	10.078	10.067	10.095	VV	1083	16494	0.64%	0.054%
156	10.098	10.095	10.118	VV	953	12699	0.49%	0.042%
157	10.124	10.118	10.140	VV	1039	11208	0.43%	0.037%
158	10.171	10.140	10.228	VV	224954	2459948	95.04%	8.057%
159	10.232	10.228	10.252	VV	712	9023	0.35%	0.030%
160	10.273	10.252	10.310	VV	1012	20101	0.78%	0.066%
161	10.319	10.310	10.323	VV	890	3072	0.12%	0.010%
162	10.342	10.323	10.375	VV	648	12990	0.50%	0.043%
163	10.382	10.375	10.392	VV	286	2615	0.10%	0.009%
164	10.404	10.392	10.423	VV	318	4547	0.18%	0.015%
165	10.445	10.423	10.457	VV	422	5444	0.21%	0.018%
166	10.467	10.457	10.480	VV	277	3712	0.14%	0.012%
167	10.507	10.480	10.529	VV	2116	29840	1.15%	0.098%
168	10.558	10.529	10.583	VV	2496	40362	1.56%	0.132%
169	10.611	10.583	10.624	VV	795	14889	0.58%	0.049%
170	10.637	10.624	10.666	VV	840	15202	0.59%	0.050%
171	10.683	10.666	10.695	VV	770	10319	0.40%	0.034%
172	10.707	10.695	10.733	VV	687	10815	0.42%	0.035%
173	10.763	10.733	10.769	VV	582	9438	0.36%	0.031%
174	10.775	10.769	10.795	VV	566	7469	0.29%	0.024%
175	10.820	10.795	10.824	VV	665	9038	0.35%	0.030%
176	10.835	10.824	10.857	VV	794	13274	0.51%	0.043%
177	10.862	10.857	10.875	VV	762	7363	0.28%	0.024%
178	10.911	10.875	10.948	VV	1016	30802	1.19%	0.101%
179	10.983	10.948	11.022	VV	3966	68556	2.65%	0.225%
180	11.028	11.022	11.031	VV	602	3112	0.12%	0.010%
181	11.040	11.031	11.084	VV	625	12146	0.47%	0.040%
182	11.127	11.084	11.141	VV	470	10822	0.42%	0.035%
183	11.168	11.141	11.175	VV	681	10936	0.42%	0.036%
184	11.189	11.175	11.215	VV	1291	19531	0.75%	0.064%
185	11.246	11.215	11.268	VV	639	14633	0.57%	0.048%
186	11.302	11.268	11.330	VV	696	17438	0.67%	0.057%
187	11.344	11.330	11.368	VV	403	7359	0.28%	0.024%
188	11.375	11.368	11.398	VV	350	5433	0.21%	0.018%
189	11.422	11.398	11.457	VV	1619	25619	0.99%	0.084%
190	11.475	11.457	11.497	VV	605	9270	0.36%	0.030%
191	11.517	11.497	11.525	VV	369	4813	0.19%	0.016%
192	11.529	11.525	11.537	VV	438	2966	0.11%	0.010%
193	11.553	11.537	11.572	VV	594	10926	0.42%	0.036%
194	11.620	11.572	11.670	VV	222088	2542515	98.24%	8.328%

195	11.706	11.670	11.743	VV	2532	53825	2.08%	0.176%
196	11.774	11.743	11.794	VV	657	13141		
197	11.817	11.794	11.849	VV	663	12114		
198	11.881	11.849	11.908	VV	1062	21468		
199	11.917	11.908	11.945	VV	594	10494		
200	11.971	11.945	11.988	VV	602	11388		
201	12.004	11.988	12.018	VV	747	9833	0.38%	0.032%
202	12.037	12.018	12.082	VV	1547	30588	1.18%	0.100%
203	12.101	12.082	12.113	VV	736	11028	0.43%	0.036%
204	12.120	12.113	12.140	VV	619	7533	0.29%	0.025%
205	12.154	12.140	12.168	VV	451	6825	0.26%	0.022%
206	12.171	12.168	12.207	VV	418	6959	0.27%	0.023%
207	12.227	12.207	12.247	VV	477	8461	0.33%	0.028%
208	12.275	12.247	12.326	VV	1082	31401	1.21%	0.103%
209	12.341	12.326	12.362	VV	595	9260	0.36%	0.030%
210	12.383	12.362	12.440	VV	889	22287	0.86%	0.073%
211	12.444	12.440	12.465	VV	322	3837	0.15%	0.013%
212	12.472	12.465	12.477	VV	367	1661	0.06%	0.005%
213	12.503	12.477	12.511	VV	483	7465	0.29%	0.024%
214	12.539	12.511	12.609	VV	37313	448999	17.35%	1.471%
215	12.620	12.609	12.637	VV	1117	15660	0.61%	0.051%
216	12.649	12.637	12.694	VV	880	22248	0.86%	0.073%
217	12.723	12.694	12.739	VV	692	14545	0.56%	0.048%
218	12.759	12.739	12.837	VV	1561	34987	1.35%	0.115%
219	12.874	12.837	12.895	VV	941	22360	0.86%	0.073%
220	12.936	12.895	12.975	VV	217421	2588194	100.00%	8.478%
221	13.002	12.975	13.054	VV	2091	40912	1.58%	0.134%
222	13.059	13.054	13.100	VV	266	4882	0.19%	0.016%
223	13.106	13.100	13.111	VV	172	995	0.04%	0.003%
224	13.115	13.111	13.122	VV	183	936	0.04%	0.003%
225	13.127	13.122	13.151	VV	173	1747	0.07%	0.006%
226	13.183	13.151	13.212	VV	510	10079	0.39%	0.033%
227	13.258	13.212	13.268	VV	254	4766	0.18%	0.016%
228	13.291	13.268	13.313	VV	670	8765	0.34%	0.029%
229	13.338	13.313	13.403	VV	5573	102498	3.96%	0.336%
230	13.407	13.403	13.413	VV	390	2002	0.08%	0.007%
231	13.418	13.413	13.423	VV	399	2009	0.08%	0.007%
232	13.433	13.423	13.461	VV	450	7620	0.29%	0.025%
233	13.464	13.461	13.468	VV	339	1286	0.05%	0.004%
234	13.475	13.468	13.482	VV	329	2058	0.08%	0.007%
235	13.497	13.482	13.527	VV	484	6490	0.25%	0.021%
236	13.552	13.527	13.584	VV	1058	19254	0.74%	0.063%
237	13.595	13.584	13.602	VV	492	4140	0.16%	0.014%
238	13.620	13.602	13.650	VV	504	9903	0.38%	0.032%
239	13.656	13.650	13.662	VV	240	1409	0.05%	0.005%
240	13.673	13.662	13.678	VV	322	2566	0.10%	0.008%
241	13.685	13.678	13.707	VV	237	2517	0.10%	0.008%
242	13.725	13.707	13.753	VV	265	5616	0.22%	0.018%
243	13.776	13.753	13.813	VV	2108	31210	1.21%	0.102%
244	13.819	13.813	13.848	VV	266	3621	0.14%	0.012%
245	13.854	13.848	13.866	VV	123	1091	0.04%	0.004%
246	13.881	13.866	13.906	VV	230	2956	0.11%	0.010%

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EX-11-TPH-5MS

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					retention			
247	13.934	13.906	13.945	VV	390	5180	0.20%	0.017%
248	13.956	13.945	13.967	VV	410	4461		
249	13.980	13.967	14.019	VV	574	10722		
250	14.029	14.019	14.039	VV	220	1982		
251	14.042	14.039	14.049	VV	246	1232		
252	14.088	14.049	14.105	VV	852	13956		
253	14.140	14.105	14.190	VV	203088	2522710	97.47%	8.263%
254	14.197	14.190	14.216	VV	338	3202	0.12%	0.010%
255	14.255	14.216	14.287	VV	378	9060	0.35%	0.030%
256	14.293	14.287	14.315	VV	140	941	0.04%	0.003%
257	14.368	14.315	14.399	PV	310	8285	0.32%	0.027%
258	14.433	14.399	14.440	VV	159	2713	0.10%	0.009%
259	14.467	14.440	14.474	VV	160	2327	0.09%	0.008%
260	14.498	14.474	14.514	VV	562	8171	0.32%	0.027%
261	14.533	14.514	14.606	VV	2033	45514	1.76%	0.149%
262	14.625	14.606	14.630	VV	316	4092	0.16%	0.013%
263	14.635	14.630	14.649	VV	338	3233	0.12%	0.011%
264	14.655	14.649	14.678	VV	371	3626	0.14%	0.012%
265	14.703	14.678	14.729	VV	1518	20777	0.80%	0.068%
266	14.736	14.729	14.751	VV	385	4100	0.16%	0.013%
267	14.764	14.751	14.781	VV	461	6303	0.24%	0.021%
268	14.802	14.781	14.821	VV	1044	14955	0.58%	0.049%
269	14.827	14.821	14.853	VV	523	6359	0.25%	0.021%
270	14.867	14.853	14.895	VV	248	3894	0.15%	0.013%
271	14.922	14.895	14.928	VV	378	5052	0.20%	0.017%
272	14.930	14.928	14.950	VV	393	3268	0.13%	0.011%
273	14.965	14.950	14.972	VV	247	2474	0.10%	0.008%
274	14.980	14.972	15.007	VV	288	4161	0.16%	0.014%
275	15.042	15.007	15.084	VV	95131	1336341	51.63%	4.377%
276	15.094	15.084	15.125	VV	667	12205	0.47%	0.040%
277	15.131	15.125	15.164	VV	414	6064	0.23%	0.020%
278	15.248	15.164	15.279	VV	188435	2523153	97.49%	8.265%
279	15.290	15.279	15.319	VV	1816	23453	0.91%	0.077%
280	15.325	15.319	15.335	VV	199	1665	0.06%	0.005%
281	15.340	15.335	15.345	VV	213	1066	0.04%	0.003%
282	15.357	15.345	15.363	VV	197	1621	0.06%	0.005%
283	15.388	15.363	15.414	VV	295	4619	0.18%	0.015%
284	15.448	15.414	15.470	VV	377	5095	0.20%	0.017%
285	15.476	15.470	15.479	VV	88	292	0.01%	0.001%
286	15.484	15.479	15.489	VV	96	458	0.02%	0.002%
287	15.494	15.489	15.509	VV	158	1438	0.06%	0.005%
288	15.512	15.509	15.520	VV	135	588	0.02%	0.002%
289	15.529	15.520	15.541	VV	95	1073	0.04%	0.004%
290	15.546	15.541	15.570	VV	157	1895	0.07%	0.006%
291	15.626	15.570	15.713	VV	30264	522144	20.17%	1.710%
292	15.724	15.713	15.742	VV	648	9209	0.36%	0.030%
293	15.768	15.742	15.806	VV	3023	47806	1.85%	0.157%
294	15.839	15.806	15.877	VV	2734	42270	1.63%	0.138%
295	15.897	15.877	15.948	VV	517	9850	0.38%	0.032%
296	15.954	15.948	16.000	VV	132	2057	0.08%	0.007%
297	16.039	16.000	16.046	PV	272	4053	0.16%	0.013%
298	16.080	16.046	16.085	VV	286	5360	0.21%	0.018%
299	16.090	16.085	16.117	VV	252	2868	0.11%	0.009%

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FID_G

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EX-11-TPH-5MS

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300	16.153	16.117	16.186	VV	833	17945	0.69%	0.059%
301	16.190	16.186	16.209	VV	272	2994		
302	16.273	16.209	16.313	VV	186308	2474303	95	
303	16.334	16.313	16.379	VV	563	9222		
304	16.407	16.379	16.415	VV	149	1999		
305	16.460	16.415	16.499	VV	299	6880		
306	16.508	16.499	16.527	PV	129	950	0.04%	0.003%
307	16.578	16.527	16.602	PV	261	7165	0.28%	0.023%
308	16.649	16.602	16.689	VV	2292	50689	1.96%	0.166%
309	16.718	16.689	16.736	VV	1393	26022	1.01%	0.085%
310	16.756	16.736	16.789	VV	3787	50582	1.95%	0.166%
311	16.832	16.789	16.859	VV	959	16195	0.63%	0.053%
312	16.883	16.859	16.939	VV	1301	20250	0.78%	0.066%
313	16.952	16.939	16.964	VV	249	1970	0.08%	0.006%
314	16.969	16.964	16.972	VV	85	338	0.01%	0.001%
315	17.026	16.972	17.041	VV	280	6054	0.23%	0.020%
316	17.064	17.041	17.085	VV	435	7894	0.30%	0.026%
317	17.110	17.085	17.129	VV	475	8631	0.33%	0.028%
318	17.156	17.129	17.162	VV	318	5302	0.20%	0.017%
319	17.225	17.162	17.259	VV	181295	2444628	94.45%	8.007%
320	17.274	17.259	17.292	VV	1844	25146	0.97%	0.082%
321	17.301	17.292	17.357	VV	864	12702	0.49%	0.042%
322	17.376	17.357	17.400	PBA	255	4792	0.19%	0.016%
Sum of corrected areas:						30529975		

Instrument :
FID_G
ClientSampleId :
EX-11-TPH-5MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/07/2025
Supervised By :Ankita Jodhani 02/07/2025

FG011325.M Fri Feb 07 04:14:21 2025

Report of Analysis

Client:	ENTACT	Date Collected:	02/05/25
Project:	North Point - 4101 Arthur Kill Rd - E9306	Date Received:	02/05/25
Client Sample ID:	EX-11-TPH-5MSD	SDG No.:	Q1308
Lab Sample ID:	Q1308-04MSD	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	85.3
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Diesel Range Organics
GPC Factor :		Injection Volume :	
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG015327.D	1	02/06/25 09:15	02/06/25 18:20	PB166587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	8320		216	1950	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	10.4		37 - 130	52%	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\FG020625\
 Data File : FG015327.D
 Signal(s) : FID1A.ch
 Acq On : 06 Feb 2025 18:20
 Operator : YP\AJ
 Sample : Q1308-04MSD
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 EX-11-TPH-5MSD

Integration File: autoint1.e
 Quant Time: Feb 07 03:13:36 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
 Quant Title :
 QLast Update : Fri Jan 24 12:51:39 2025
 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...	15.043	1332810	10.390 ug/ml
Target Compounds			
2) N-DECANE	4.536	2139831	16.566 ug/ml
3) N-DODECANE	6.718	2259937	16.588 ug/ml
4) N-TETRADECANE	8.555	2380784	17.395 ug/ml
5) N-HEXADECANE	10.171	2459184	17.427 ug/ml
6) N-OCTADECANE	11.620	2585365	17.625 ug/ml
7) N-EICOSANE	12.936	2607593	17.936 ug/ml
8) N-DOCOSANE	14.140	2541492	17.715 ug/ml
10) N-TETRACOSANE	15.248	2518426	17.633 ug/ml
11) N-HEXACOSANE	16.273	2496855	17.728 ug/ml
12) N-OCTACOSANE	17.226	2457080	17.546 ug/ml

(f)=RT Delta > 1/2 Window

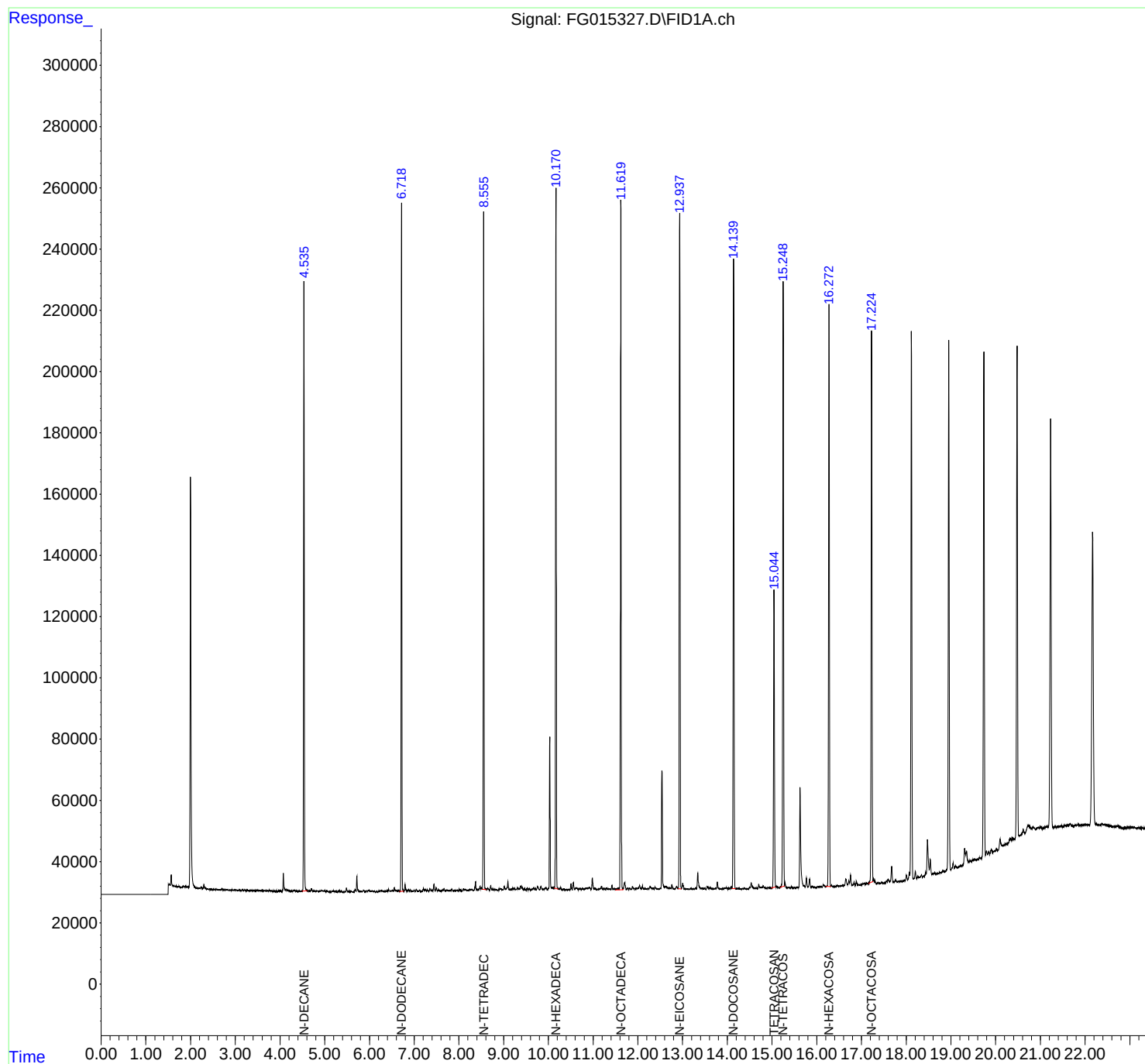
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG020625\
Data File : FG015327.D
Signal(s) : FID1A.ch
Acq On : 06 Feb 2025 18:20
Operator : YP\AJ
Sample : Q1308-04MSD
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
EX-11-TPH-5MSD

Integration File: autoint1.e
Quant Time: Feb 07 03:13:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
Quant Title :
QLast Update : Fri Jan 24 12:51:39 2025
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\FG020625\
 Data File : FG015327.D
 Signal(s) : FID1A.ch
 Acq On : 06 Feb 2025 18:20
 Sample : Q1308-04MSD
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG011325.M
 Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.368	4.350	4.400	BV	36	212	0.01%	0.001%
2	4.401	4.400	4.408	VV	37	118	0.00%	0.000%
3	4.428	4.408	4.457	PV	133	1873	0.07%	0.006%
4	4.460	4.457	4.466	PV	34	124	0.00%	0.000%
5	4.474	4.466	4.489	PV	162	1462	0.06%	0.005%
6	4.493	4.489	4.507	VV	103	833	0.03%	0.003%
7	4.536	4.507	4.631	VV	199270	2153554	82.05%	6.888%
8	4.637	4.631	4.652	VV	190	1845	0.07%	0.006%
9	4.661	4.652	4.676	VV	176	2045	0.08%	0.007%
10	4.706	4.676	4.742	VV	1073	19117	0.73%	0.061%
11	4.760	4.742	4.806	VV	290	6850	0.26%	0.022%
12	4.821	4.806	4.838	VV	357	4467	0.17%	0.014%
13	4.845	4.838	4.867	VV	279	4015	0.15%	0.013%
14	4.882	4.867	4.892	VV	248	3013	0.11%	0.010%
15	4.906	4.892	4.915	VV	281	3274	0.12%	0.010%
16	4.926	4.915	4.944	VV	403	5332	0.20%	0.017%
17	4.953	4.944	4.968	VV	326	3874	0.15%	0.012%
18	4.970	4.968	4.974	VV	268	822	0.03%	0.003%
19	4.988	4.974	4.993	VV	314	3177	0.12%	0.010%
20	5.003	4.993	5.032	VV	388	5501	0.21%	0.018%
21	5.047	5.032	5.076	VV	385	5698	0.22%	0.018%
22	5.078	5.076	5.084	VV	100	372	0.01%	0.001%
23	5.108	5.084	5.113	PV	137	1437	0.05%	0.005%
24	5.122	5.113	5.141	VV	224	1993	0.08%	0.006%
25	5.150	5.141	5.167	VV	198	2107	0.08%	0.007%
26	5.200	5.167	5.213	VV	429	7649	0.29%	0.024%
27	5.218	5.213	5.237	VV	191	2102	0.08%	0.007%
28	5.248	5.237	5.278	VV	231	3420	0.13%	0.011%
29	5.299	5.278	5.313	VV	291	3709	0.14%	0.012%
30	5.326	5.313	5.348	VV	583	6726	0.26%	0.022%
31	5.365	5.348	5.378	VV	278	3220	0.12%	0.010%
32	5.381	5.378	5.403	VV	169	1056	0.04%	0.003%
33	5.409	5.403	5.413	VV	73	317	0.01%	0.001%
34	5.418	5.413	5.438	PV	124	1142	0.04%	0.004%
35	5.456	5.438	5.468	VV	243	2771	0.11%	0.009%
36	5.485	5.468	5.512	VV	1374	17442	0.66%	0.056%

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37	5.516	5.512	5.540	VV	302	3214	0.12%	0.010%
38	5.557	5.540	5.577	VV	379	3505	0.13%	0.011%
39	5.581	5.577	5.639	VV	218	4201	0.16%	0.013%
40	5.650	5.639	5.661	PV	130	799	0.03%	0.003%
41	5.680	5.661	5.702	VV	954	13779	0.53%	0.044%
42	5.719	5.702	5.793	VV	5152	66714	2.54%	0.213%
43	5.800	5.793	5.827	VV	212	3757	0.14%	0.012%
44	5.867	5.827	5.900	VV	672	14385	0.55%	0.046%
45	5.910	5.900	5.921	VV	220	2020	0.08%	0.006%
46	5.942	5.921	5.959	VV	454	7100	0.27%	0.023%
47	5.975	5.959	5.983	VV	632	7023	0.27%	0.022%
48	5.986	5.983	6.024	VV	617	10955	0.42%	0.035%
49	6.029	6.024	6.041	VV	352	2750	0.10%	0.009%
50	6.056	6.041	6.082	VV	419	7513	0.29%	0.024%
51	6.092	6.082	6.097	VV	252	1715	0.07%	0.005%
52	6.116	6.097	6.143	VV	317	4880	0.19%	0.016%
53	6.163	6.143	6.181	PV	380	4595	0.18%	0.015%
54	6.217	6.181	6.237	VV	507	7940	0.30%	0.025%
55	6.253	6.237	6.259	VV	551	5063	0.19%	0.016%
56	6.264	6.259	6.300	VV	587	10580	0.40%	0.034%
57	6.303	6.300	6.328	VV	286	4386	0.17%	0.014%
58	6.356	6.328	6.370	VV	350	6469	0.25%	0.021%
59	6.373	6.370	6.385	VV	338	2594	0.10%	0.008%
60	6.403	6.385	6.415	VV	540	7543	0.29%	0.024%
61	6.432	6.415	6.463	VV	881	15089	0.57%	0.048%
62	6.484	6.463	6.497	VV	486	6853	0.26%	0.022%
63	6.507	6.497	6.538	VV	532	10136	0.39%	0.032%
64	6.556	6.538	6.576	VV	1513	19651	0.75%	0.063%
65	6.591	6.576	6.618	VV	534	10466	0.40%	0.033%
66	6.639	6.618	6.656	VV	482	7918	0.30%	0.025%
67	6.660	6.656	6.690	VV	348	5124	0.20%	0.016%
68	6.718	6.690	6.769	VV	224973	2270891	86.52%	7.263%
69	6.798	6.769	6.835	VV	2498	38183	1.45%	0.122%
70	6.844	6.835	6.854	VV	450	4416	0.17%	0.014%
71	6.872	6.854	6.900	VV	897	14653	0.56%	0.047%
72	6.910	6.900	6.933	VV	509	7224	0.28%	0.023%
73	6.945	6.933	6.961	VV	319	3775	0.14%	0.012%
74	6.998	6.961	7.024	VV	543	11520	0.44%	0.037%
75	7.047	7.024	7.092	VV	956	15767	0.60%	0.050%
76	7.124	7.092	7.155	VV	568	11124	0.42%	0.036%
77	7.158	7.155	7.163	VV	152	654	0.02%	0.002%
78	7.208	7.163	7.232	VV	1068	21678	0.83%	0.069%
79	7.254	7.232	7.277	VV	716	14559	0.55%	0.047%
80	7.293	7.277	7.322	VV	707	11874	0.45%	0.038%
81	7.352	7.322	7.382	VV	1020	19004	0.72%	0.061%
82	7.393	7.382	7.420	VV	614	8910	0.34%	0.028%
83	7.442	7.420	7.473	VV	2507	33663	1.28%	0.108%
84	7.493	7.473	7.524	VV	1317	20411	0.78%	0.065%
85	7.540	7.524	7.567	VV	782	11383	0.43%	0.036%
86	7.570	7.567	7.585	VV	380	2943	0.11%	0.009%
87	7.668	7.585	7.695	VV	1053	28872	1.10%	0.092%
88	7.730	7.695	7.750	VV	507	12449	0.47%	0.040%
89	7.754	7.750	7.775	VV	392	4242	0.16%	0.014%

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90	7.801	7.775	7.807	VV	387	5971	0.23%	0.019%
91	7.814	7.807	7.819	VV	335	2153	0.08%	0.007%
92	7.845	7.819	7.875	VV	778	14706	0.56%	0.047%
93	7.892	7.875	7.910	VV	445	6159	0.23%	0.020%
94	7.931	7.910	7.937	VV	392	3639	0.14%	0.012%
95	7.956	7.937	7.975	VV	561	8479	0.32%	0.027%
96	7.986	7.975	7.993	VV	466	4089	0.16%	0.013%
97	8.011	7.993	8.034	VV	723	11321	0.43%	0.036%
98	8.038	8.034	8.072	VV	313	5414	0.21%	0.017%
99	8.102	8.072	8.117	VV	939	14924	0.57%	0.048%
100	8.124	8.117	8.144	VV	575	8811	0.34%	0.028%
101	8.150	8.144	8.169	VV	505	6689	0.25%	0.021%
102	8.174	8.169	8.181	VV	355	2501	0.10%	0.008%
103	8.198	8.181	8.218	VV	441	8144	0.31%	0.026%
104	8.248	8.218	8.268	VV	812	16731	0.64%	0.054%
105	8.282	8.268	8.295	VV	783	10397	0.40%	0.033%
106	8.302	8.295	8.323	VV	695	8273	0.32%	0.026%
107	8.373	8.323	8.399	VV	3225	52092	1.98%	0.167%
108	8.400	8.399	8.407	VV	449	2253	0.09%	0.007%
109	8.422	8.407	8.433	VV	604	8515	0.32%	0.027%
110	8.438	8.433	8.442	VV	635	3165	0.12%	0.010%
111	8.474	8.442	8.491	VV	1733	30610	1.17%	0.098%
112	8.502	8.491	8.524	VV	1256	19128	0.73%	0.061%
113	8.555	8.524	8.595	VV	221808	2406361	91.68%	7.696%
114	8.601	8.595	8.619	VV	896	11002	0.42%	0.035%
115	8.649	8.619	8.676	VV	985	26359	1.00%	0.084%
116	8.677	8.676	8.689	VV	603	4165	0.16%	0.013%
117	8.712	8.689	8.738	VV	1937	31070	1.18%	0.099%
118	8.748	8.738	8.760	VV	774	8575	0.33%	0.027%
119	8.782	8.760	8.789	VV	694	10486	0.40%	0.034%
120	8.802	8.789	8.822	VV	694	10768	0.41%	0.034%
121	8.844	8.822	8.868	VV	642	12938	0.49%	0.041%
122	8.886	8.868	8.899	VV	512	7013	0.27%	0.022%
123	8.914	8.899	8.932	VV	1008	14358	0.55%	0.046%
124	8.950	8.932	8.970	VV	845	14581	0.56%	0.047%
125	8.978	8.970	8.984	VV	612	4655	0.18%	0.015%
126	8.986	8.984	8.991	VV	623	2201	0.08%	0.007%
127	9.013	8.991	9.044	VV	1553	31650	1.21%	0.101%
128	9.098	9.044	9.135	VV	3137	67074	2.56%	0.215%
129	9.147	9.135	9.160	VV	540	7240	0.28%	0.023%
130	9.177	9.160	9.190	VV	747	10512	0.40%	0.034%
131	9.204	9.190	9.226	VV	1056	17200	0.66%	0.055%
132	9.244	9.226	9.263	VV	987	16263	0.62%	0.052%
133	9.281	9.263	9.288	VV	683	8837	0.34%	0.028%
134	9.308	9.288	9.319	VV	924	15049	0.57%	0.048%
135	9.326	9.319	9.342	VV	963	11308	0.43%	0.036%
136	9.347	9.342	9.358	VV	738	6676	0.25%	0.021%
137	9.384	9.358	9.401	VV	1727	31891	1.22%	0.102%
138	9.415	9.401	9.454	VV	1385	25701	0.98%	0.082%
139	9.467	9.454	9.494	VV	759	12289	0.47%	0.039%
140	9.531	9.494	9.552	VV	1063	20852	0.79%	0.067%
141	9.567	9.552	9.577	VV	856	10019	0.38%	0.032%

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142	9.586	9.577	9.602	VV	545	6764	0.26%	0.022%
143	9.606	9.602	9.610	VV	426	1827	0.07%	0.006%
144	9.622	9.610	9.635	VV	550	6795	0.26%	0.022%
145	9.651	9.635	9.657	VV	684	7109	0.27%	0.023%
146	9.670	9.657	9.701	VV	1138	21420	0.82%	0.069%
147	9.718	9.701	9.736	VV	723	11811	0.45%	0.038%
148	9.764	9.736	9.795	VV	1402	32507	1.24%	0.104%
149	9.836	9.795	9.870	VV	1498	35037	1.33%	0.112%
150	9.875	9.870	9.891	VV	490	5396	0.21%	0.017%
151	9.925	9.891	9.935	VV	1011	19527	0.74%	0.062%
152	9.943	9.935	9.976	VV	986	17833	0.68%	0.057%
153	9.999	9.976	10.007	VV	885	11782	0.45%	0.038%
154	10.032	10.007	10.073	VV	50233	543812	20.72%	1.739%
155	10.079	10.073	10.121	VV	1131	28374	1.08%	0.091%
156	10.126	10.121	10.141	VV	1019	10608	0.40%	0.034%
157	10.171	10.141	10.221	VV	229042	2493232	94.99%	7.974%
158	10.231	10.221	10.258	VV	694	14260	0.54%	0.046%
159	10.275	10.258	10.290	VV	1041	14832	0.57%	0.047%
160	10.294	10.290	10.310	VV	470	4642	0.18%	0.015%
161	10.343	10.310	10.368	VV	659	15551	0.59%	0.050%
162	10.384	10.368	10.396	VV	368	5081	0.19%	0.016%
163	10.402	10.396	10.427	VV	381	5392	0.21%	0.017%
164	10.448	10.427	10.469	VV	403	8190	0.31%	0.026%
165	10.472	10.469	10.480	VV	319	2176	0.08%	0.007%
166	10.507	10.480	10.535	VV	2241	32469	1.24%	0.104%
167	10.560	10.535	10.590	VV	2654	43032	1.64%	0.138%
168	10.610	10.590	10.626	VV	884	14931	0.57%	0.048%
169	10.638	10.626	10.668	VV	926	16298	0.62%	0.052%
170	10.684	10.668	10.701	VV	822	12427	0.47%	0.040%
171	10.708	10.701	10.743	VV	662	12313	0.47%	0.039%
172	10.757	10.743	10.792	VV	687	16377	0.62%	0.052%
173	10.801	10.792	10.805	VV	512	3816	0.15%	0.012%
174	10.820	10.805	10.827	VV	739	8496	0.32%	0.027%
175	10.837	10.827	10.854	VV	859	12092	0.46%	0.039%
176	10.863	10.854	10.877	VV	883	9813	0.37%	0.031%
177	10.890	10.877	10.900	VV	860	10682	0.41%	0.034%
178	10.913	10.900	10.951	VV	1063	23617	0.90%	0.076%
179	10.984	10.951	11.027	VV	4079	73123	2.79%	0.234%
180	11.040	11.027	11.081	VV	731	15977	0.61%	0.051%
181	11.087	11.081	11.093	VV	317	2126	0.08%	0.007%
182	11.107	11.093	11.112	VV	400	4157	0.16%	0.013%
183	11.124	11.112	11.136	VV	474	6238	0.24%	0.020%
184	11.137	11.136	11.142	VV	505	1939	0.07%	0.006%
185	11.169	11.142	11.174	VV	720	11363	0.43%	0.036%
186	11.190	11.174	11.216	VV	1412	22688	0.86%	0.073%
187	11.244	11.216	11.268	VV	703	16314	0.62%	0.052%
188	11.304	11.268	11.327	VV	705	19565	0.75%	0.063%
189	11.338	11.327	11.362	VV	456	8398	0.32%	0.027%
190	11.372	11.362	11.377	VV	401	3345	0.13%	0.011%
191	11.383	11.377	11.402	VV	461	5710	0.22%	0.018%
192	11.423	11.402	11.456	VV	1754	26315	1.00%	0.084%
193	11.476	11.456	11.497	VV	649	11863	0.45%	0.038%
194	11.515	11.497	11.522	VV	589	5505	0.21%	0.018%

					rteres			
195	11.527	11.522	11.536	VV	518	4018	0.15%	0.013%
196	11.556	11.536	11.579	VV	708	14914	0.57%	0.048%
197	11.620	11.579	11.674	VV	223142	2582550	98.40%	8.260%
198	11.706	11.674	11.745	VV	2574	56982	2.17%	0.182%
199	11.775	11.745	11.801	VV	850	16704	0.64%	0.053%
200	11.815	11.801	11.842	VV	772	12479	0.48%	0.040%
201	11.880	11.842	11.910	VV	1222	27015	1.03%	0.086%
202	11.915	11.910	11.949	VV	664	11375	0.43%	0.036%
203	11.974	11.949	11.989	VV	676	12137	0.46%	0.039%
204	12.005	11.989	12.019	VV	771	10990	0.42%	0.035%
205	12.038	12.019	12.080	VV	1556	32055	1.22%	0.103%
206	12.103	12.080	12.142	VV	1271	26878	1.02%	0.086%
207	12.156	12.142	12.167	VV	592	7271	0.28%	0.023%
208	12.171	12.167	12.204	VV	500	8444	0.32%	0.027%
209	12.208	12.204	12.211	VV	315	1231	0.05%	0.004%
210	12.222	12.211	12.246	VV	563	9201	0.35%	0.029%
211	12.274	12.246	12.319	VV	1235	33255	1.27%	0.106%
212	12.325	12.319	12.329	VV	453	2577	0.10%	0.008%
213	12.342	12.329	12.361	VV	616	9542	0.36%	0.031%
214	12.383	12.361	12.443	VV	1030	26960	1.03%	0.086%
215	12.451	12.443	12.468	VV	376	4713	0.18%	0.015%
216	12.479	12.468	12.484	VV	389	3066	0.12%	0.010%
217	12.496	12.484	12.510	VV	560	7471	0.28%	0.024%
218	12.540	12.510	12.602	VV	38955	486861	18.55%	1.557%
219	12.620	12.602	12.635	VV	1193	20387	0.78%	0.065%
220	12.643	12.635	12.679	VV	1009	20997	0.80%	0.067%
221	12.681	12.679	12.696	VV	642	5631	0.21%	0.018%
222	12.720	12.696	12.737	VV	709	15282	0.58%	0.049%
223	12.759	12.737	12.814	VV	1741	35877	1.37%	0.115%
224	12.817	12.814	12.833	VV	406	4008	0.15%	0.013%
225	12.871	12.833	12.898	VV	1018	27067	1.03%	0.087%
226	12.936	12.898	12.975	VV	220601	2624652	100.00%	8.394%
227	13.001	12.975	13.040	VV	2165	43654	1.66%	0.140%
228	13.049	13.040	13.053	VV	305	2283	0.09%	0.007%
229	13.061	13.053	13.066	VV	290	2025	0.08%	0.006%
230	13.070	13.066	13.080	VV	238	2046	0.08%	0.007%
231	13.085	13.080	13.095	VV	304	2177	0.08%	0.007%
232	13.099	13.095	13.107	VV	276	1576	0.06%	0.005%
233	13.115	13.107	13.149	VV	314	5426	0.21%	0.017%
234	13.182	13.149	13.189	VV	553	8511	0.32%	0.027%
235	13.193	13.189	13.225	VV	465	6224	0.24%	0.020%
236	13.234	13.225	13.239	VV	256	1637	0.06%	0.005%
237	13.249	13.239	13.272	VV	281	4595	0.18%	0.015%
238	13.291	13.272	13.313	VV	795	11209	0.43%	0.036%
239	13.339	13.313	13.413	VV	5448	111390	4.24%	0.356%
240	13.434	13.413	13.448	VV	569	9067	0.35%	0.029%
241	13.460	13.448	13.480	VV	438	6664	0.25%	0.021%
242	13.493	13.480	13.528	VV	527	9246	0.35%	0.030%
243	13.553	13.528	13.596	VV	1066	25165	0.96%	0.080%
244	13.615	13.596	13.643	VV	649	13386	0.51%	0.043%
245	13.673	13.643	13.706	VV	474	12504	0.48%	0.040%
246	13.733	13.706	13.737	VV	419	5665	0.22%	0.018%

					rteres			
247	13.743	13.737	13.758	VV	482	5198	0.20%	0.017%
248	13.776	13.758	13.817	VV	2499	37605	1.43%	0.120%
249	13.823	13.817	13.848	VV	340	4666	0.18%	0.015%
250	13.856	13.848	13.862	VV	241	1673	0.06%	0.005%
251	13.881	13.862	13.896	VV	312	4996	0.19%	0.016%
252	13.901	13.896	13.916	VV	270	2545	0.10%	0.008%
253	13.929	13.916	13.940	VV	425	5228	0.20%	0.017%
254	13.943	13.940	13.947	VV	489	1694	0.06%	0.005%
255	13.955	13.947	13.963	VV	443	3966	0.15%	0.013%
256	13.978	13.963	14.020	VV	690	14718	0.56%	0.047%
257	14.033	14.020	14.039	VV	315	3138	0.12%	0.010%
258	14.057	14.039	14.062	VV	379	4373	0.17%	0.014%
259	14.090	14.062	14.106	VV	1046	15928	0.61%	0.051%
260	14.140	14.106	14.184	VV	205427	2555426	97.36%	8.173%
261	14.190	14.184	14.217	VV	393	6020	0.23%	0.019%
262	14.239	14.217	14.246	VV	361	4734	0.18%	0.015%
263	14.256	14.246	14.311	VV	448	8670	0.33%	0.028%
264	14.377	14.311	14.401	PV	377	12505	0.48%	0.040%
265	14.404	14.401	14.409	VV	189	823	0.03%	0.003%
266	14.431	14.409	14.463	VV	300	5447	0.21%	0.017%
267	14.472	14.463	14.481	VV	273	2334	0.09%	0.007%
268	14.501	14.481	14.512	VV	620	8107	0.31%	0.026%
269	14.534	14.512	14.595	VV	2065	49317	1.88%	0.158%
270	14.601	14.595	14.604	VV	295	1471	0.06%	0.005%
271	14.612	14.604	14.630	VV	387	4791	0.18%	0.015%
272	14.633	14.630	14.644	VV	393	2720	0.10%	0.009%
273	14.650	14.644	14.682	VV	386	5705	0.22%	0.018%
274	14.703	14.682	14.728	VV	1582	22026	0.84%	0.070%
275	14.737	14.728	14.753	VV	470	6075	0.23%	0.019%
276	14.764	14.753	14.784	VV	538	8120	0.31%	0.026%
277	14.801	14.784	14.822	VV	1127	16928	0.64%	0.054%
278	14.828	14.822	14.857	VV	540	8191	0.31%	0.026%
279	14.862	14.857	14.893	VV	335	4484	0.17%	0.014%
280	14.926	14.893	14.949	VV	525	10972	0.42%	0.035%
281	14.982	14.949	15.002	VV	323	8582	0.33%	0.027%
282	15.043	15.002	15.081	VV	96765	1353224	51.56%	4.328%
283	15.096	15.081	15.116	VV	733	12203	0.46%	0.039%
284	15.132	15.116	15.160	VV	467	9068	0.35%	0.029%
285	15.248	15.160	15.278	VV	197653	2556936	97.42%	8.178%
286	15.290	15.278	15.335	VV	1807	26060	0.99%	0.083%
287	15.345	15.335	15.352	VV	243	2014	0.08%	0.006%
288	15.357	15.352	15.364	VV	222	1357	0.05%	0.004%
289	15.371	15.364	15.388	VV	294	3431	0.13%	0.011%
290	15.392	15.388	15.411	VV	247	1952	0.07%	0.006%
291	15.439	15.411	15.470	PV	394	6467	0.25%	0.021%
292	15.500	15.470	15.522	VV	251	4116	0.16%	0.013%
293	15.535	15.522	15.552	VV	186	2349	0.09%	0.008%
294	15.558	15.552	15.572	VV	182	1684	0.06%	0.005%
295	15.576	15.572	15.587	VV	139	1357	0.05%	0.004%
296	15.626	15.587	15.742	VV	32763	554630	21.13%	1.774%
297	15.768	15.742	15.805	VV	3263	49454	1.88%	0.158%
298	15.839	15.805	15.877	VV	2915	47253	1.80%	0.151%
299	15.893	15.877	15.937	VV	497	10249	0.39%	0.033%

					rteres			
300	15.948	15.937	15.960	VV	235	2102	0.08%	0.007%
301	15.966	15.960	15.974	VV	93	536	0.02%	0.002%
302	16.019	15.974	16.033	PV	213	4076	0.16%	0.013%
303	16.064	16.033	16.079	VV	305	6302	0.24%	0.020%
304	16.085	16.079	16.119	VV	250	3851	0.15%	0.012%
305	16.154	16.119	16.204	VV	847	21457	0.82%	0.069%
306	16.273	16.204	16.316	VV	189073	2508598	95.58%	8.023%
307	16.333	16.316	16.384	VV	536	8864	0.34%	0.028%
308	16.405	16.384	16.430	VV	258	3171	0.12%	0.010%
309	16.464	16.430	16.496	PV	354	6695	0.26%	0.021%
310	16.511	16.496	16.527	VV	138	1323	0.05%	0.004%
311	16.566	16.527	16.570	PV	275	4280	0.16%	0.014%
312	16.577	16.570	16.587	VV	278	2260	0.09%	0.007%
313	16.614	16.587	16.621	VV	345	5200	0.20%	0.017%
314	16.647	16.621	16.690	VV	2364	49862	1.90%	0.159%
315	16.717	16.690	16.734	VV	1662	27127	1.03%	0.087%
316	16.755	16.734	16.785	VV	3531	51227	1.95%	0.164%
317	16.796	16.785	16.803	VV	213	1312	0.05%	0.004%
318	16.832	16.803	16.857	VV	1007	15309	0.58%	0.049%
319	16.884	16.857	16.918	PV	1353	19379	0.74%	0.062%
320	16.922	16.918	16.935	VV	196	1226	0.05%	0.004%
321	16.946	16.935	16.951	VV	162	1036	0.04%	0.003%
322	16.954	16.951	16.970	VV	165	872	0.03%	0.003%
323	16.978	16.970	16.995	PV	110	1038	0.04%	0.003%
324	17.001	16.995	17.006	VV	148	751	0.03%	0.002%
325	17.031	17.006	17.042	VV	300	4968	0.19%	0.016%
326	17.056	17.042	17.085	VV	438	7678	0.29%	0.025%
327	17.109	17.085	17.124	VV	396	6624	0.25%	0.021%
328	17.129	17.124	17.137	VV	339	2309	0.09%	0.007%
329	17.142	17.137	17.157	VV	295	3135	0.12%	0.010%
330	17.159	17.157	17.162	VV	360	917	0.03%	0.003%
331	17.226	17.162	17.258	VV	180446	2488977	94.83%	7.960%
332	17.272	17.258	17.292	VV	1787	25053	0.95%	0.080%
333	17.301	17.292	17.339	VV	921	10508	0.40%	0.034%
334	17.373	17.339	17.400	VBA	195	3146	0.12%	0.010%
				Sum of corrected areas:		31266969		

FG011325.M Fri Feb 07 04:15:05 2025

Manual Integration Report

Sample ID	ClientID ID	File ID	Sequence ID	Parameter	Supervised By	Supervised On	Reason
Q1308-01		FG015317.D	FG020625	TETRACOSANE-d50 (SURROGA	Ankita	2/7/2025 8:55:00 AM	Peak Integrated by Software incorrectly
Q1308-02		FG015318.D	FG020625	TETRACOSANE-d50 (SURROGA	Ankita	2/7/2025 8:55:02 AM	Peak Integrated by Software incorrectly
Q1308-03		FG015319.D	FG020625	TETRACOSANE-d50 (SURROGA	Ankita	2/7/2025 8:55:03 AM	Peak Integrated by Software incorrectly
.BLK		FG015322.D	FG020625	TETRACOSANE-d50 (SURROGA	Ankita	2/7/2025 8:55:05 AM	Peak Integrated by Software incorrectly
Q1308-04MS		FG015326.D	FG020625	N-OCTACOSANE	Ankita	2/7/2025 8:55:06 AM	Peak Integrated by Software incorrectly
Q1308-06		FG015328.D	FG020625	TETRACOSANE-d50 (SURROGA	Ankita	2/7/2025 8:55:08 AM	Peak Integrated by Software incorrectly
Q1308-07		FG015329.D	FG020625	TETRACOSANE-d50 (SURROGA	Ankita	2/7/2025 8:55:10 AM	Peak Integrated by Software incorrectly
Q1308-08		FG015330.D	FG020625	TETRACOSANE-d50 (SURROGA	Ankita	2/7/2025 8:55:11 AM	Peak Integrated by Software incorrectly
Q1308-09		FG015331.D	FG020625	TETRACOSANE-d50 (SURROGA	Ankita	2/7/2025 8:55:13 AM	Peak Integrated by Software incorrectly
50 PPM TRPH STD		FG015333.D	FG020625	N-OCTACOSANE	Ankita	2/7/2025 8:55:14 AM	Peak Integrated by Software incorrectly
Q1308-10		FG015334.D	FG020625	TETRACOSANE-d50 (SURROGA	Ankita	2/7/2025 8:55:16 AM	Peak Integrated by Software incorrectly
Q1308-11		FG015335.D	FG020625	TETRACOSANE-d50 (SURROGA	Ankita	2/7/2025 8:55:17 AM	Peak Integrated by Software incorrectly
Q1308-12		FG015336.D	FG020625	TETRACOSANE-d50 (SURROGA	Ankita	2/7/2025 8:55:19 AM	Peak Integrated by Software incorrectly

Manual Integration Report

Sample ID	ClientID ID	File ID	Sequence ID	Parameter	Supervised By	Supervised On	Reason
PB166607BS		FG015362.D	FG020725	N-HEXATRIACONTANE	Ankita	2/10/2025 8:58:26 AM	Peak Integrated by Software incorrectly
PB166607BS		FG015362.D	FG020725	N-OCTATRIACONTANE	Ankita	2/10/2025 8:58:26 AM	Peak Integrated by Software incorrectly
PB166607BS		FG015362.D	FG020725	N-TETRATRIACONTANE	Ankita	2/10/2025 8:58:26 AM	Peak Integrated by Software incorrectly
Q1290-01		FG015363.D	FG020725	TETRACOSANE-d50 (SURROGA	Ankita	2/10/2025 8:58:28 AM	Peak Integrated by Software incorrectly
Q1290-01MS		FG015364.D	FG020725	N-DOTRIACONTANE	Ankita	2/10/2025 8:58:29 AM	Peak Integrated by Software incorrectly
Q1290-01MS		FG015364.D	FG020725	N-HEXACOSANE	Ankita	2/10/2025 8:58:29 AM	Peak Integrated by Software incorrectly
Q1290-01MS		FG015364.D	FG020725	N-HEXATRIACONTANE	Ankita	2/10/2025 8:58:29 AM	Peak Integrated by Software incorrectly
Q1290-01MS		FG015364.D	FG020725	N-OCTACOSANE	Ankita	2/10/2025 8:58:29 AM	Peak Integrated by Software incorrectly
Q1290-01MS		FG015364.D	FG020725	N-OCTATRIACONTANE	Ankita	2/10/2025 8:58:29 AM	Peak Integrated by Software incorrectly
Q1290-01MS		FG015364.D	FG020725	N-TETRACONTANE	Ankita	2/10/2025 8:58:29 AM	Peak Integrated by Software incorrectly
Q1290-01MS		FG015364.D	FG020725	N-TETRACOSANE	Ankita	2/10/2025 8:58:29 AM	Peak Integrated by Software incorrectly
Q1290-01MS		FG015364.D	FG020725	N-TETRATRIACONTANE	Ankita	2/10/2025 8:58:29 AM	Peak Integrated by Software incorrectly
Q1290-01MS		FG015364.D	FG020725	N-TRIACONTANE	Ankita	2/10/2025 8:58:29 AM	Peak Integrated by Software incorrectly
Q1290-01MS		FG015364.D	FG020725	TETRACOSANE-d50 (SURROGA	Ankita	2/10/2025 8:58:29 AM	Peak Integrated by Software incorrectly
Q1290-01MSD		FG015365.D	FG020725	N-HEXATRIACONTANE	Ankita	2/10/2025 8:58:31 AM	Peak Integrated by Software incorrectly
Q1290-01MSD		FG015365.D	FG020725	N-OCTATRIACONTANE	Ankita	2/10/2025 8:58:31 AM	Peak Integrated by Software incorrectly
Q1290-01MSD		FG015365.D	FG020725	N-TRIACONTANE	Ankita	2/10/2025 8:58:31 AM	Peak Integrated by Software incorrectly

Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QC Batch ID # FG011325

Review By	yogesh	Review On	1/13/2025 12:01:44 PM
Supervise By	Ankita	Supervise On	1/14/2025 8:47:57 AM
SubDirectory	FG011325	HP Acquire Method	HP Processing Method FG011325
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23961,PP23963,PP23964,PP23965,PP23966		
CCC Internal Standard/PEM	PP23963		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP23962,PP23967		

Sr#	SampleID	Data File Name	Date-Time	Operator	Status
1	MECL2	FG015054.D	13 Jan 2025 08:20	YP\AJ	Ok
2	I.BLK	FG015055.D	13 Jan 2025 08:49	YP\AJ	Ok
3	100 TRPH STD	FG015056.D	13 Jan 2025 09:17	YP\AJ	Not Ok
4	50 TRPH STD	FG015057.D	13 Jan 2025 09:45	YP\AJ	Ok
5	20 TRPH STD	FG015058.D	13 Jan 2025 10:14	YP\AJ	Ok
6	10 TRPH STD	FG015059.D	13 Jan 2025 10:42	YP\AJ	Ok
7	5 TRPH STD	FG015060.D	13 Jan 2025 11:11	YP\AJ	Ok
8	100 TRPH STD	FG015061.D	13 Jan 2025 11:39	YP\AJ	Ok
9	FG011325ICV	FG015062.D	13 Jan 2025 12:07	YP\AJ	Ok

M : Manual Integration

Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QC Batch ID # FG020625

Review By	yogesh	Review On	2/6/2025 12:23:58 PM
Supervise By	Ankita	Supervise On	2/7/2025 8:55:42 AM
SubDirectory	FG020625	HP Acquire Method	HP Processing Method FG011325
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23961,PP23963,PP23964,PP23965,PP23966		
CCC Internal Standard/PEM	PP23963		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP23962,PP23967		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FG015313.D	06 Feb 2025 09:58	YP\AJ	Ok
2	I.BLK	FG015314.D	06 Feb 2025 10:27	YP\AJ	Ok
3	50 PPM TRPH STD	FG015315.D	06 Feb 2025 11:56	YP\AJ	Ok
4	RT MARKER	FG015316.D	06 Feb 2025 12:24	YP\AJ	Ok
5	Q1308-01	FG015317.D	06 Feb 2025 13:35	YP\AJ	Dilution
6	Q1308-02	FG015318.D	06 Feb 2025 14:03	YP\AJ	Dilution
7	Q1308-03	FG015319.D	06 Feb 2025 14:32	YP\AJ	Dilution
8	Q1308-04	FG015320.D	06 Feb 2025 15:00	YP\AJ	Ok
9	Q1308-05	FG015321.D	06 Feb 2025 15:29	YP\AJ	Ok
10	I.BLK	FG015322.D	06 Feb 2025 15:58	YP\AJ	Ok,M
11	50 PPM TRPH STD	FG015323.D	06 Feb 2025 16:26	YP\AJ	Ok
12	PB166587BL	FG015324.D	06 Feb 2025 16:55	YP\AJ	Ok
13	PB166587BS	FG015325.D	06 Feb 2025 17:23	YP\AJ	Ok
14	Q1308-04MS	FG015326.D	06 Feb 2025 17:52	YP\AJ	Ok,M
15	Q1308-04MSD	FG015327.D	06 Feb 2025 18:20	YP\AJ	Ok
16	Q1308-06	FG015328.D	06 Feb 2025 18:49	YP\AJ	Dilution
17	Q1308-07	FG015329.D	06 Feb 2025 19:17	YP\AJ	Dilution
18	Q1308-08	FG015330.D	06 Feb 2025 19:46	YP\AJ	Dilution
19	Q1308-09	FG015331.D	06 Feb 2025 20:14	YP\AJ	Dilution
20	I.BLK	FG015332.D	06 Feb 2025 20:43	YP\AJ	Ok
21	50 PPM TRPH STD	FG015333.D	06 Feb 2025 21:40	YP\AJ	Ok,M

Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QC Batch ID # FG020625

Review By	yogesh	Review On	2/6/2025 12:23:58 PM
Supervise By	Ankita	Supervise On	2/7/2025 8:55:42 AM
SubDirectory	FG020625	HP Acquire Method	HP Processing Method FG011325
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23961,PP23963,PP23964,PP23965,PP23966		
CCC	PP23963		
Internal Standard/PEM			
ICV/I.BLK	PP23962,PP23967		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q1308-10	FG015334.D	06 Feb 2025 23:05	YP\AJ	Dilution
23	Q1308-11	FG015335.D	06 Feb 2025 23:34	YP\AJ	Dilution
24	Q1308-12	FG015336.D	07 Feb 2025 00:02	YP\AJ	Dilution
25	Q1308-13	FG015337.D	07 Feb 2025 00:31	YP\AJ	Dilution
26	Q1308-01	FG015338.D	07 Feb 2025 00:59	YP\AJ	Ok
27	Q1308-02	FG015339.D	07 Feb 2025 01:28	YP\AJ	Ok
28	Q1308-03	FG015340.D	07 Feb 2025 01:56	YP\AJ	Ok
29	Q1308-05RE	FG015341.D	07 Feb 2025 02:25	YP\AJ	Not Ok
30	I.BLK	FG015342.D	07 Feb 2025 02:53	YP\AJ	Ok
31	50 PPM TRPH STD	FG015343.D	07 Feb 2025 03:50	YP\AJ	Ok

M : Manual Integration

Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QC Batch ID # FG020725

Review By	yogesh	Review On	2/7/2025 9:12:03 AM
Supervise By	Ankita	Supervise On	2/10/2025 8:58:37 AM
SubDirectory	FG020725	HP Acquire Method	HP Processing Method FG011325
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23961,PP23963,PP23964,PP23965,PP23966		
CCC Internal Standard/PEM	PP23963		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP23962,PP23967		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FG015344.D	07 Feb 2025 06:27	YP\AJ	Ok
2	I.BLK	FG015345.D	07 Feb 2025 06:55	YP\AJ	Ok
3	50 PPM TRPH STD	FG015346.D	07 Feb 2025 07:24	YP\AJ	Ok
4	RT MARKER	FG015347.D	07 Feb 2025 08:12	YP\AJ	Ok
5	Q1308-06	FG015348.D	07 Feb 2025 08:45	YP\AJ	Ok
6	Q1308-07	FG015349.D	07 Feb 2025 09:14	YP\AJ	Ok
7	Q1308-08	FG015350.D	07 Feb 2025 09:43	YP\AJ	Ok
8	Q1308-09	FG015351.D	07 Feb 2025 10:11	YP\AJ	Ok
9	Q1308-10	FG015352.D	07 Feb 2025 10:40	YP\AJ	Ok
10	Q1308-11	FG015353.D	07 Feb 2025 11:08	YP\AJ	Ok
11	Q1308-12	FG015354.D	07 Feb 2025 11:37	YP\AJ	Ok
12	Q1308-13	FG015355.D	07 Feb 2025 12:05	YP\AJ	Ok
13	I.BLK	FG015356.D	07 Feb 2025 12:34	YP\AJ	Ok
14	50 PPM TRPH STD	FG015357.D	07 Feb 2025 13:02	YP\AJ	Ok
15	I.BLK	FG015358.D	07 Feb 2025 13:59	YP\AJ	Ok
16	50 PPM TRPH STD	FG015359.D	07 Feb 2025 14:28	YP\AJ	Ok
17	RT MARKER	FG015360.D	07 Feb 2025 15:53	YP\AJ	Ok
18	PB166607BL	FG015361.D	07 Feb 2025 16:21	YP\AJ	Ok
19	PB166607BS	FG015362.D	07 Feb 2025 16:50	YP\AJ	Ok,M
20	Q1290-01	FG015363.D	07 Feb 2025 17:18	YP\AJ	Dilution
21	Q1290-01MS	FG015364.D	07 Feb 2025 17:47	YP\AJ	Ok,M

Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QC Batch ID # FG020725

Review By	yogesh	Review On	2/7/2025 9:12:03 AM
Supervise By	Ankita	Supervise On	2/10/2025 8:58:37 AM
SubDirectory	FG020725	HP Acquire Method	HP Processing Method FG011325
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23961,PP23963,PP23964,PP23965,PP23966		
CCC Internal Standard/PEM	PP23963		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP23962,PP23967		

22	Q1290-01MSD	FG015365.D	07 Feb 2025 18:15	YP\AJ	Ok,M
23	Q1290-01	FG015366.D	07 Feb 2025 18:43	YP\AJ	Ok
24	I.BLK	FG015367.D	07 Feb 2025 19:12	YP\AJ	Ok
25	50 PPM TRPH STD	FG015368.D	08 Feb 2025 00:29	YP\AJ	Ok

M : Manual Integration

Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QC Batch ID # FG011325

Review By	yogesh	Review On	1/13/2025 12:01:44 PM
Supervise By	Ankita	Supervise On	1/14/2025 8:47:57 AM
SubDirectory	FG011325	HP Acquire Method	HP Processing Method FG011325

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP23961,PP23963,PP23964,PP23965,PP23966
CCC	PP23963
Internal Standard/PEM	
ICV/I.BLK	PP23962,PP23967
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2		FG015054.D	13 Jan 2025 08:20		YP\AJ	Ok
2	I.BLK		FG015055.D	13 Jan 2025 08:49		YP\AJ	Ok
3	100 TRPH STD		FG015056.D	13 Jan 2025 09:17	NOT USE	YP\AJ	Not Ok
4	50 TRPH STD		FG015057.D	13 Jan 2025 09:45		YP\AJ	Ok
5	20 TRPH STD		FG015058.D	13 Jan 2025 10:14		YP\AJ	Ok
6	10 TRPH STD		FG015059.D	13 Jan 2025 10:42		YP\AJ	Ok
7	5 TRPH STD		FG015060.D	13 Jan 2025 11:11		YP\AJ	Ok
8	100 TRPH STD		FG015061.D	13 Jan 2025 11:39		YP\AJ	Ok
9	FG011325ICV		FG015062.D	13 Jan 2025 12:07		YP\AJ	Ok

M : Manual Integration

Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QC Batch ID # FG020625

Review By	yogesh	Review On	2/6/2025 12:23:58 PM
Supervise By	Ankita	Supervise On	2/7/2025 8:55:42 AM
SubDirectory	FG020625	HP Acquire Method	HP Processing Method FG011325

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP23961,PP23963,PP23964,PP23965,PP23966
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP23963 PP23962,PP23967

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2		FG015313.D	06 Feb 2025 09:58		YPIAJ	Ok
2	I.BLK		FG015314.D	06 Feb 2025 10:27		YPIAJ	Ok
3	50 PPM TRPH STD		FG015315.D	06 Feb 2025 11:56		YPIAJ	Ok
4	RT MARKER		FG015316.D	06 Feb 2025 12:24		YPIAJ	Ok
5	Q1308-01		FG015317.D	06 Feb 2025 13:35	need 100x dilution	YPIAJ	Dilution
6	Q1308-02		FG015318.D	06 Feb 2025 14:03	need 50x dilution	YPIAJ	Dilution
7	Q1308-03		FG015319.D	06 Feb 2025 14:32	need 50x dilution	YPIAJ	Dilution
8	Q1308-04		FG015320.D	06 Feb 2025 15:00		YPIAJ	Ok
9	Q1308-05		FG015321.D	06 Feb 2025 15:29		YPIAJ	Ok
10	I.BLK		FG015322.D	06 Feb 2025 15:58		YPIAJ	Ok,M
11	50 PPM TRPH STD		FG015323.D	06 Feb 2025 16:26		YPIAJ	Ok
12	PB166587BL		FG015324.D	06 Feb 2025 16:55		YPIAJ	Ok
13	PB166587BS		FG015325.D	06 Feb 2025 17:23		YPIAJ	Ok
14	Q1308-04MS		FG015326.D	06 Feb 2025 17:52		YPIAJ	Ok,M
15	Q1308-04MSD		FG015327.D	06 Feb 2025 18:20		YPIAJ	Ok
16	Q1308-06		FG015328.D	06 Feb 2025 18:49	need 200x dilution	YPIAJ	Dilution
17	Q1308-07		FG015329.D	06 Feb 2025 19:17	need 50x dilution	YPIAJ	Dilution
18	Q1308-08		FG015330.D	06 Feb 2025 19:46	need 200x dilution	YPIAJ	Dilution

Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QC Batch ID # FG020625

Review By	yogesh	Review On	2/6/2025 12:23:58 PM
Supervise By	Ankita	Supervise On	2/7/2025 8:55:42 AM
SubDirectory	FG020625	HP Acquire Method	HP Processing Method FG011325
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23961,PP23963,PP23964,PP23965,PP23966		
CCC	PP23963		
Internal Standard/PEM	PP23962,PP23967		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	Q1308-09		FG015331.D	06 Feb 2025 20:14	need 50x dilution	YP\AJ	Dilution
20	I.BLK		FG015332.D	06 Feb 2025 20:43		YP\AJ	Ok
21	50 PPM TRPH STD		FG015333.D	06 Feb 2025 21:40		YP\AJ	Ok,M
22	Q1308-10		FG015334.D	06 Feb 2025 23:05	need 50x dilution	YP\AJ	Dilution
23	Q1308-11		FG015335.D	06 Feb 2025 23:34	need 50x dilution	YP\AJ	Dilution
24	Q1308-12		FG015336.D	07 Feb 2025 00:02	need 100x dilution	YP\AJ	Dilution
25	Q1308-13		FG015337.D	07 Feb 2025 00:31	need 20x dilution	YP\AJ	Dilution
26	Q1308-01		FG015338.D	07 Feb 2025 00:59		YP\AJ	Ok
27	Q1308-02		FG015339.D	07 Feb 2025 01:28		YP\AJ	Ok
28	Q1308-03		FG015340.D	07 Feb 2025 01:56		YP\AJ	Ok
29	Q1308-05RE		FG015341.D	07 Feb 2025 02:25	not required	YP\AJ	Not Ok
30	I.BLK		FG015342.D	07 Feb 2025 02:53		YP\AJ	Ok
31	50 PPM TRPH STD		FG015343.D	07 Feb 2025 03:50		YP\AJ	Ok

M : Manual Integration

Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QC Batch ID # FG020725

Review By	yogesh	Review On	2/7/2025 9:12:03 AM
Supervise By	Ankita	Supervise On	2/10/2025 8:58:37 AM
SubDirectory	FG020725	HP Acquire Method	HP Processing Method FG011325

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP23961,PP23963,PP23964,PP23965,PP23966
CCC	PP23963
Internal Standard/PEM	
ICV/I.BLK	PP23962,PP23967
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2		FG015344.D	07 Feb 2025 06:27		YPIAJ	Ok
2	I.BLK		FG015345.D	07 Feb 2025 06:55		YPIAJ	Ok
3	50 PPM TRPH STD		FG015346.D	07 Feb 2025 07:24		YPIAJ	Ok
4	RT MARKER		FG015347.D	07 Feb 2025 08:12		YPIAJ	Ok
5	Q1308-06		FG015348.D	07 Feb 2025 08:45		YPIAJ	Ok
6	Q1308-07		FG015349.D	07 Feb 2025 09:14		YPIAJ	Ok
7	Q1308-08		FG015350.D	07 Feb 2025 09:43		YPIAJ	Ok
8	Q1308-09		FG015351.D	07 Feb 2025 10:11		YPIAJ	Ok
9	Q1308-10		FG015352.D	07 Feb 2025 10:40		YPIAJ	Ok
10	Q1308-11		FG015353.D	07 Feb 2025 11:08		YPIAJ	Ok
11	Q1308-12		FG015354.D	07 Feb 2025 11:37		YPIAJ	Ok
12	Q1308-13		FG015355.D	07 Feb 2025 12:05		YPIAJ	Ok
13	I.BLK		FG015356.D	07 Feb 2025 12:34		YPIAJ	Ok
14	50 PPM TRPH STD		FG015357.D	07 Feb 2025 13:02		YPIAJ	Ok
15	I.BLK		FG015358.D	07 Feb 2025 13:59		YPIAJ	Ok
16	50 PPM TRPH STD		FG015359.D	07 Feb 2025 14:28		YPIAJ	Ok
17	RT MARKER		FG015360.D	07 Feb 2025 15:53		YPIAJ	Ok
18	PB166607BL		FG015361.D	07 Feb 2025 16:21		YPIAJ	Ok

Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QC Batch ID # FG020725

Review By	yogesh	Review On	2/7/2025 9:12:03 AM
Supervise By	Ankita	Supervise On	2/10/2025 8:58:37 AM
SubDirectory	FG020725	HP Acquire Method	HP Processing Method FG011325
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23961,PP23963,PP23964,PP23965,PP23966		
CCC	PP23963		
Internal Standard/PEM	PP23962,PP23967		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	PB166607BS		FG015362.D	07 Feb 2025 16:50		YP\AJ	Ok,M
20	Q1290-01		FG015363.D	07 Feb 2025 17:18	need 10x dilution	YP\AJ	Dilution
21	Q1290-01MS		FG015364.D	07 Feb 2025 17:47		YP\AJ	Ok,M
22	Q1290-01MSD		FG015365.D	07 Feb 2025 18:15		YP\AJ	Ok,M
23	Q1290-01		FG015366.D	07 Feb 2025 18:43		YP\AJ	Ok
24	I.BLK		FG015367.D	07 Feb 2025 19:12		YP\AJ	Ok
25	50 PPM TRPH STD		FG015368.D	08 Feb 2025 00:29		YP\AJ	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 2/6/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:30
In Date: 02/05/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:27
Out Date: 02/06/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB134582

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
Q1295-01	TAPFTA-SB01D-020425-00-T1	1	1.15	8.75	9.9	9.1	90.9	
Q1299-01	WC-1	2	1.18	8.42	9.6	8.63	88.5	
Q1299-02	WC-1-EPH	3	1.14	8.40	9.54	8.72	90.2	
Q1299-03	WC-1-VOC	4	1.15	8.82	9.97	9.44	94.0	
Q1299-05	WC-2	5	1.14	8.76	9.9	8.93	88.9	
Q1299-06	WC-2-EPH	6	1.15	8.76	9.91	8.98	89.4	
Q1299-07	WC-2-VOC	7	1.19	8.77	9.96	9.00	89.1	
Q1304-01	RB21140	8	1.14	8.82	9.96	7.81	75.6	
Q1304-02	RB21140-E2	9	1.12	8.51	9.63	7.78	78.3	
Q1305-01	BC258874-1-1	10	1.00	1.00	2.00	2.00	100.0	oilc
Q1305-02	BC258874-1-2	11	1.00	1.00	2.00	2.00	100.0	oilc
Q1305-03	BC258874-2-1	12	1.00	1.00	2.00	2.00	100.0	oilc
Q1305-04	BC258874-2-2	13	1.00	1.00	2.00	2.00	100.0	oilc
Q1305-05	Y2308-0040-1-1	14	1.00	1.00	2.00	2.00	100.0	oilc
Q1305-06	Y2308-0040-1-2	15	1.00	1.00	2.00	2.00	100.0	oilc
Q1305-07	BC216351-1-1	16	1.00	1.00	2.00	2.00	100.0	oilc
Q1305-08	BC216351-1-2	17	1.00	1.00	2.00	2.00	100.0	oilc
Q1306-01	KMH840Y-1-1	18	1.00	1.00	2.00	2.00	100.0	oilc
Q1306-02	KMH840Y-1-2	19	1.00	1.00	2.00	2.00	100.0	oilc
Q1306-03	KMH840Y-2-1	20	1.00	1.00	2.00	2.00	100.0	oilc
Q1306-04	KMH840Y-2-2	21	1.00	1.00	2.00	2.00	100.0	oilc
Q1307-01	434	22	1.16	8.40	9.56	8.77	90.6	
Q1308-01	EX-8-TPH-1	23	1.15	8.81	9.96	8.96	88.6	
Q1308-02	EX-6-TPH-1	24	1.13	8.72	9.85	8.39	83.3	
Q1308-03	EX-6-TPH-2	25	1.15	8.81	9.96	8.54	83.9	
Q1308-04	EX-11-TPH-5	26	1.13	8.65	9.78	8.51	85.3	
Q1308-05	EX-11-TPH-6	27	1.13	8.86	9.99	8.5	83.2	
Q1308-06	EX-11-TPH-7	28	1.19	8.40	9.59	8.31	84.8	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 2/6/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:30
In Date: 02/05/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:27
Out Date: 02/06/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB134582

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
Q1308-07	EX-11-TPH-8	29	1.13	8.85	9.98	9.4	93.4	
Q1308-08	EX-11-TPH-9	30	1.15	8.80	9.95	9.1	90.3	
Q1308-09	EX-11-TPH-10	31	1.16	8.41	9.57	7.66	77.3	
Q1308-10	EX-11-TPH-11	32	1.14	8.83	9.97	8.92	88.1	
Q1308-11	EX-11-TPH-12	33	1.17	8.76	9.93	8.95	88.8	
Q1308-12	EX-11-TPH-13	34	1.15	8.49	9.64	8.48	86.3	
Q1308-13	EX-11-TPH-14	35	1.13	8.85	9.98	8.4	82.1	
Q1308-14	EX-11-TPH-14	36	1.00	1.00	2.00	2.00	100.0	
Q1309-01	WC-2	37	1.18	8.38	9.56	8.19	83.7	
Q1309-02	WC-2-EPH	38	1.16	8.58	9.74	8.32	83.4	
Q1309-03	WC-2-VOC	39	1.13	8.79	9.92	8.51	84.0	
Q1309-05	WC-3	40	1.16	8.48	9.64	8.28	84.0	
Q1309-06	WC-3-EPH	41	1.13	8.86	9.99	8.84	87.0	
Q1309-07	WC-3-VOC	42	1.14	8.62	9.76	8.26	82.6	
Q1309-09	WC-4	43	1.13	8.79	9.92	8.76	86.8	
Q1309-10	WC-4-EPH	44	1.16	8.74	9.9	8.45	83.4	
Q1309-11	WC-4-VOC	45	1.15	8.80	9.95	8.3	81.3	
Q1309-13	WC-5	46	1.17	8.48	9.65	8.36	84.8	
Q1309-14	WC-5-EPH	47	1.13	8.81	9.94	8.47	83.3	
Q1309-15	WC-5-VOC	48	1.17	8.82	9.99	8.94	88.1	
Q1309-17	WC-6	49	1.12	8.55	9.67	8.55	86.9	
Q1309-18	WC-6-EPH	50	1.15	8.83	9.98	9.03	89.2	
Q1309-19	WC-6-VOC	51	1.13	8.84	9.97	8.56	84.0	
Q1309-21	WC-8	52	1.12	8.61	9.73	8.57	86.5	
Q1309-22	WC-8-EPH	53	1.13	8.62	9.75	8.45	84.9	
Q1309-23	WC-8-VOC	54	1.16	8.83	9.99	9.12	90.1	

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

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: N/A

Extraction Start Date : 02/06/2025

Matrix : Solid

Extraction Start Time : 09:15

Weigh By: EH

Extraction By: RJ

Extraction End Date : 02/06/2025

Balance check: RJ

Filter By: RJ

Extraction End Time : 12:15

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

☐ Continious Liquid/Liquid

☐ Sonication

☐ Waste Dilution

☒ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	20 PPM	PP23913
Surrogate	1.0ML	20 PPM	PP23935
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	EP2582
Baked Na2SO4	N/A	EP2581
Sand	N/A	E2865
Methylene Chloride	N/A	E3874
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 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
02/06/25	RP (Eph Lab)	Y-P-PEAPU2
12:20	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 01/06/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB166587BL	PB166587BL	Diesel Range Organics	30.02	N/A	ritesh	Evelyn	1			U4-1
PB166587BS	PB166587BS	Diesel Range Organics	30.01	N/A	ritesh	Evelyn	1			2
Q1308-01	EX-8-TPH-1	Diesel Range Organics	30.05	N/A	ritesh	Evelyn	1	E		3
Q1308-02	EX-6-TPH-1	Diesel Range Organics	30.06	N/A	ritesh	Evelyn	1	E		4
Q1308-03	EX-6-TPH-2	Diesel Range Organics	30.02	N/A	ritesh	Evelyn	1	E		5
Q1308-04	EX-11-TPH-5	Diesel Range Organics	30.10	N/A	ritesh	Evelyn	1	E		6
Q1308-04MS	EX-11-TPH-5MS	Diesel Range Organics	30.08	N/A	ritesh	Evelyn	1	E		U2-1
Q1308-04MS D	EX-11-TPH-5MSD	Diesel Range Organics	30.06	N/A	ritesh	Evelyn	1	E		2
Q1308-05	EX-11-TPH-6	Diesel Range Organics	30.04	N/A	ritesh	Evelyn	1	E		3
Q1308-06	EX-11-TPH-7	Diesel Range Organics	30.07	N/A	ritesh	Evelyn	1	E		4
Q1308-07	EX-11-TPH-8	Diesel Range Organics	30.03	N/A	ritesh	Evelyn	1	E		5
Q1308-08	EX-11-TPH-9	Diesel Range Organics	30.05	N/A	ritesh	Evelyn	1	E		6
Q1308-09	EX-11-TPH-10	Diesel Range Organics	30.02	N/A	ritesh	Evelyn	1	E		U3-1
Q1308-10	EX-11-TPH-11	Diesel Range Organics	30.08	N/A	ritesh	Evelyn	1	E		2
Q1308-11	EX-11-TPH-12	Diesel Range Organics	30.02	N/A	ritesh	Evelyn	1	E		3
Q1308-12	EX-11-TPH-13	Diesel Range Organics	30.04	N/A	ritesh	Evelyn	1	E		4
Q1308-13	EX-11-TPH-14	Diesel Range Organics	30.06	N/A	ritesh	Evelyn	1	E		5

* Extracts relinquished on the same date as received.

2/16/25

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1308 WorkList ID : 187514 Department : Extraction Date : 02-06-2025 08:25:14

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1308-01	EX-8-TPH-1	Solid	Diesel Range Organics	Cool 4 deg C	ENTA05	N41	02/05/2025	8015D
Q1308-02	EX-6-TPH-1	Solid	Diesel Range Organics	Cool 4 deg C	ENTA05	N41	02/05/2025	8015D
Q1308-03	EX-6-TPH-2	Solid	Diesel Range Organics	Cool 4 deg C	ENTA05	N41	02/05/2025	8015D
Q1308-04	EX-11-TPH-5	Solid	Diesel Range Organics	Cool 4 deg C	ENTA05	N41	02/05/2025	8015D
Q1308-05	EX-11-TPH-6	Solid	Diesel Range Organics	Cool 4 deg C	ENTA05	N41	02/05/2025	8015D
Q1308-06	EX-11-TPH-7	Solid	Diesel Range Organics	Cool 4 deg C	ENTA05	N41	02/05/2025	8015D
Q1308-07	EX-11-TPH-8	Solid	Diesel Range Organics	Cool 4 deg C	ENTA05	N41	02/05/2025	8015D
Q1308-08	EX-11-TPH-9	Solid	Diesel Range Organics	Cool 4 deg C	ENTA05	N41	02/05/2025	8015D
Q1308-09	EX-11-TPH-10	Solid	Diesel Range Organics	Cool 4 deg C	ENTA05	N41	02/05/2025	8015D
Q1308-10	EX-11-TPH-11	Solid	Diesel Range Organics	Cool 4 deg C	ENTA05	N41	02/05/2025	8015D
Q1308-11	EX-11-TPH-12	Solid	Diesel Range Organics	Cool 4 deg C	ENTA05	N41	02/05/2025	8015D
Q1308-12	EX-11-TPH-13	Solid	Diesel Range Organics	Cool 4 deg C	ENTA05	N41	02/05/2025	8015D
Q1308-13	EX-11-TPH-14	Solid	Diesel Range Organics	Cool 4 deg C	ENTA05	N41	02/05/2025	8015D

Date/Time 02/06/25 9:10
 Raw Sample Received by: RJ (Sep 1042)
 Raw Sample Relinquished by: RJ (Sep 1042)

Date/Time 02/06/25 9:40
 Raw Sample Received by: RJ (Sep 1042)
 Raw Sample Relinquished by: RJ (Sep 1042)

Prep Standard - Chemical Standard Summary

Order ID : Q1308

Test : Diesel Range Organics

Prepbatch ID : PB166587,

Sequence ID/Qc Batch ID: FG020625,FG020725,

Standard ID :

EP2581,EP2582,PP23913,PP23935,PP23961,PP23962,PP23963,PP23964,PP23965,PP23966,PP23967,

Chemical ID :

E2865,E3551,E3822,E3828,E3873,E3874,P11958,P11959,P13104,P13109,P13213,P13218,P13219,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>
3923	Baked Sodium Sulfate	EP2581	02/03/2025	07/01/2025	RUPESHKUMAR SHAH	Extraction_SC ALE_2 (EX-SC-2)	None	Rajesh Parikh 02/03/2025

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2017	1:1 ACETONE/METHYLENE CHLORIDE	EP2582	02/04/2025	07/29/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 02/04/2025

FROM 8000.00000ml of E3873 + 8000.00000ml of E3874 = Final Quantity: 16000.000 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>
3609	20 PPM DRO SPIKE SOLUTION (RESTEK)	PP23913	10/25/2024	04/23/2025	Yogesh Patel	None	None	Ankita Jodhani
								10/25/2024

FROM 1.00000ml of P13104 + 1.00000ml of P13109 + 48.00000ml of E3822 = 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>
147	20 PPM DRO Surrogate Spike Solution	PP23935	11/01/2024	04/23/2025	Yogesh Patel	None	None	Ankita Jodhani
								11/04/2024

FROM 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



<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)	PP23961	11/13/2024	05/09/2025	Yogesh Patel	None	None	Ankita Jodhani 11/13/2024
<u>FROM</u>	1.00000ml of P11958 + 1.00000ml of P11959 + 1.00000ml of P13213 + 7.00000ml of E3828 = 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>
3796	100/100 PPM DRO STD (CPI)	PP23962	11/13/2024	02/14/2025	Yogesh Patel	None	None	Ankita Jodhani 11/13/2024
<u>FROM</u>	1.00000ml of P13213 + 1.00000ml of P13218 + 1.00000ml of P13219 + 7.00000ml of E3828 = 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>
435	50 PPM ICC DRO STD (Restek)	PP23963	11/13/2024	05/09/2025	Yogesh Patel	None	None	Ankita Jodhani
								11/13/2024

FROM 0.50000ml of E3828 + 0.50000ml of PP23961 = 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>
437	20 PPM ICC DRO STD (Restek)	PP23964	11/13/2024	05/09/2025	Yogesh Patel	None	None	Ankita Jodhani
								11/13/2024

FROM 0.80000ml of E3828 + 0.20000ml of PP23961 = 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>
438	10 PPM ICC DRO STD (Restek)	PP23965	11/13/2024	05/09/2025	Yogesh Patel	None	None	Ankita Jodhani
								11/13/2024

FROM 0.90000ml of E3828 + 0.10000ml of PP23961 = 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>
439	5 PPM ICC DRO STD (Restek)	PP23966	11/13/2024	05/09/2025	Yogesh Patel	None	None	Ankita Jodhani
								11/13/2024

FROM 0.90000ml of E3828 + 0.10000ml of PP23963 = 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)	PP23967	11/13/2024	02/14/2025	Yogesh Patel	None	None	Ankita Jodhani 11/13/2024
<u>FROM</u>	0.80000ml of E3828 + 0.50000ml of PP23962 = Final Quantity: 1.000 ml							

CHEMICAL RECEIPT LOG BOOK

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

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-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)	24G0862003	05/09/2025	11/09/2024 / Rajesh	11/04/2024 / Rajesh	E3828

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	07/29/2025	01/29/2025 / Rajesh	01/29/2025 / Rajesh	E3873

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31266 / Florida TRPH Standard	A0186840	05/13/2025	11/13/2024 / yogesh	07/11/2022 / Yogesh	P11958

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31266 / Florida TRPH Standard	A0186840	05/13/2025	11/13/2024 / yogesh	07/11/2022 / Yogesh	P11959

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31266 / Florida TRPH Standard	A0204859	04/25/2025	10/25/2024 / yogesh	01/12/2024 / Yogesh	P13104

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31266 / Florida TRPH Standard	A0204859	04/25/2025	10/25/2024 / yogesh	01/12/2024 / Yogesh	P13109

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	05/13/2025	11/13/2024 / yogesh	01/17/2024 / Ankita	P13213

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

CHEMICAL RECEIPT LOG BOOK

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	05/13/2025	11/13/2024 / yogesh	01/31/2024 / Ankita	P13219

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

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

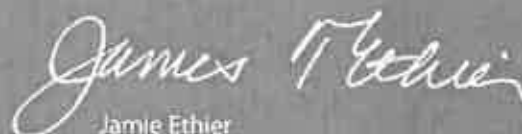
Certificate of Analysis

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



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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)

 **avantors**



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 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)

avantor™



Material No.: 9266-A4

Batch No.: 24J0862003

Manufactured Date: 2024-09-12

Expiration Date: 2025-12-12

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 HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	1
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8\%$	100.0 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.2 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 3828

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

Acetone

BAKER RESI-ANALYZED® Reagent

For Organic Residue Analysis

avantor™



Material No.: 9254-03

Batch No.: 24H2762008

Manufactured Date: 2024-04-18

Expiration Date: 2027-04-18

Revision No.: 0

Certificate of Analysis

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

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 1/29/25

E 3873

Jamie Croak
Director Quality Operations, Bioscience Production

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

Avantor Performance Materials LLC

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



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

Certificate of Analysis

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

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

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

E 3874

Jamie Croak
Director Quality Operations, Bioscience Production

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

Avantor Performance Materials, LLC

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



CERTIFIED REFERENCE MATERIAL

110 Benner Circle

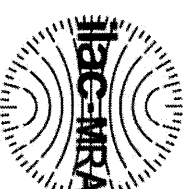
Bellefonte, PA 16823-8812

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 +/- 12.5465 +/- 15.0390	µg/mL Gravimetric Unstressed Stressed
2	n-Decane (C10) CAS # 124-18-5 Purity 99%	503.0 µg/mL	+/- 2.9877 +/- 12.4968 +/- 14.9795	µg/mL Gravimetric Unstressed Stressed
3	n-Dodecane (C12) CAS # 112-40-3 Purity 99%	503.5 µg/mL	+/- 2.9906 +/- 12.5092 +/- 14.9944	µg/mL Gravimetric Unstressed Stressed
4	n-Tetradecane (C14) CAS # 629-59-4 Purity 99%	505.0 µg/mL	+/- 2.9995 +/- 12.5465 +/- 15.0390	µg/mL Gravimetric Unstressed Stressed
5	n-Hexadecane (C16) CAS # 544-76-3 Purity 98%	504.7 µg/mL	+/- 2.9978 +/- 12.5390 +/- 15.0301	µg/mL Gravimetric Unstressed Stressed
6	n-Octadecane (C18) CAS # 593-45-3 Purity 97%	504.4 µg/mL	+/- 2.9960 +/- 12.5316 +/- 15.0212	µg/mL Gravimetric Unstressed Stressed
7	n-Eicosane (C20) CAS # 112-95-8 Purity 99%	503.5 µg/mL	+/- 2.9906 +/- 12.5092 +/- 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:

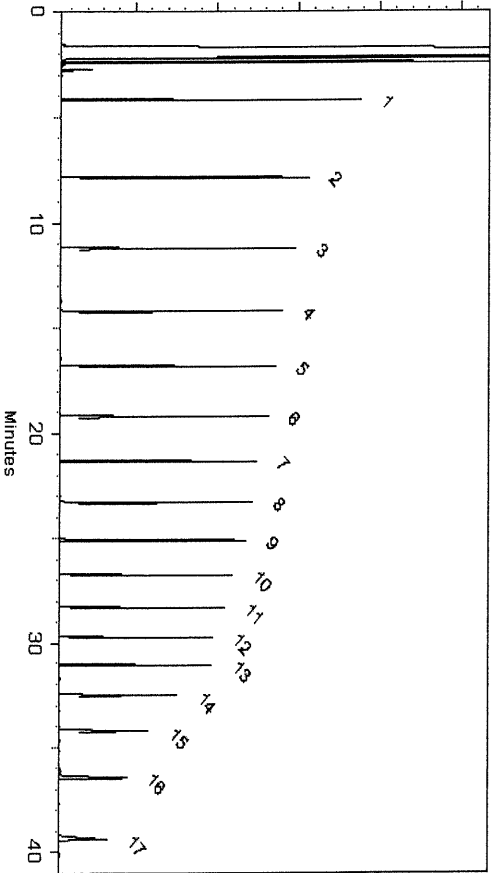
250°C

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

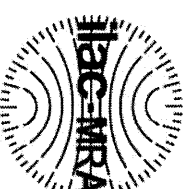
Bellefonte, PA 16823-8812

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:

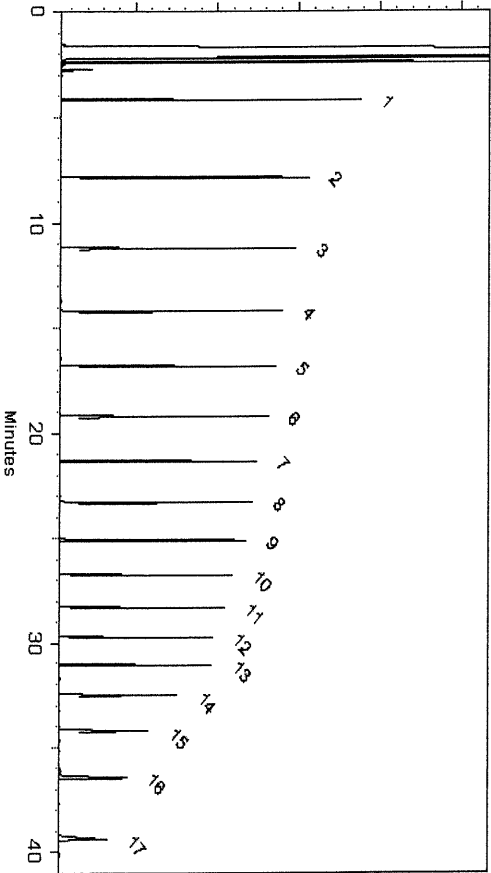
250°C

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.
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- 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.

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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	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.)

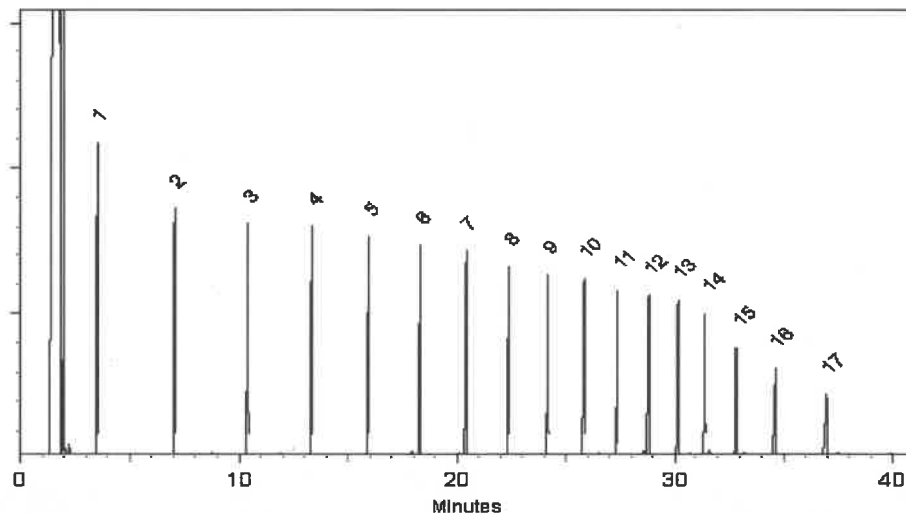
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl

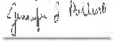


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


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.
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- 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.



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.

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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)
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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.)

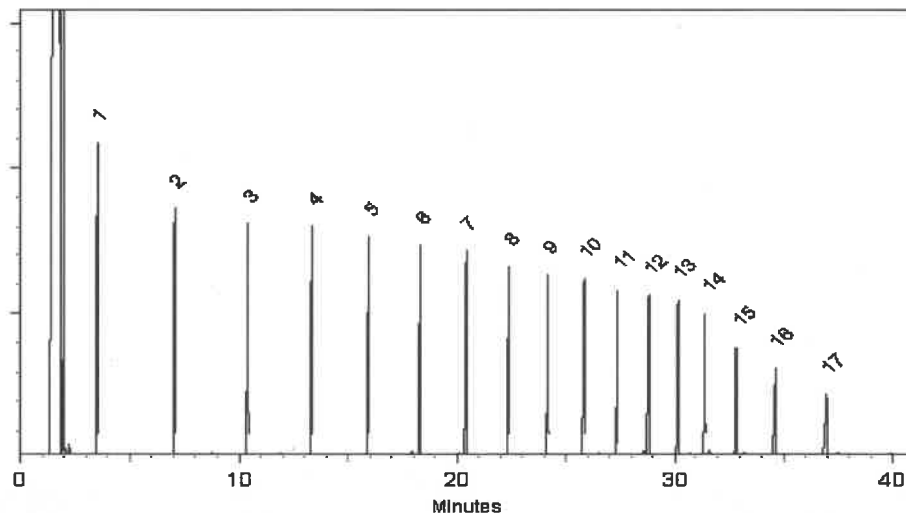
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl

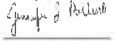


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


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 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

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

SDS Information

Expanded
Uncertainty
(+/-) (µg/mL)

Actual
Conc (µg/mL)

Actual
Weight(g)

Target
Weight(g)

Assay
(%D)

Purity
(%)

Nominal
Conc (µg/mL)

Lot
Number

RM#

Compound

Expanded
Uncertainty
(+/-) (µg/mL)

Actual
Conc (µg/mL)

Actual
Weight(g)

Target
Weight(g)

Assay
(%D)

Purity
(%)

Nominal
Conc (µg/mL)

Lot
Number

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Compound

Expanded
Uncertainty
(+/-) (µg/mL)

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Actual
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Target
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Assay
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Lot
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RM#

Compound

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Uncertainty
(+/-) (µg/mL)

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Conc (µg/mL)

Actual
Weight(g)

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Assay
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Lot
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RM#

Compound

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(+/-) (µg/mL)

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Conc (µg/mL)

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Actual
Weight(g)

Target
Weight(g)

Assay
(%D)

Purity
(%)

Nominal
Conc (µg/mL)

Lot
Number

RM#



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

tetatriacontane (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

Certified By: _____
Andrea Schaible
Chemist

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

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

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

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

tetatriacontane (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.

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/MS2", Method "GC-MS2".
Analyzed using Method "GC-MS2".

Comments:
GC-MS2 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

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

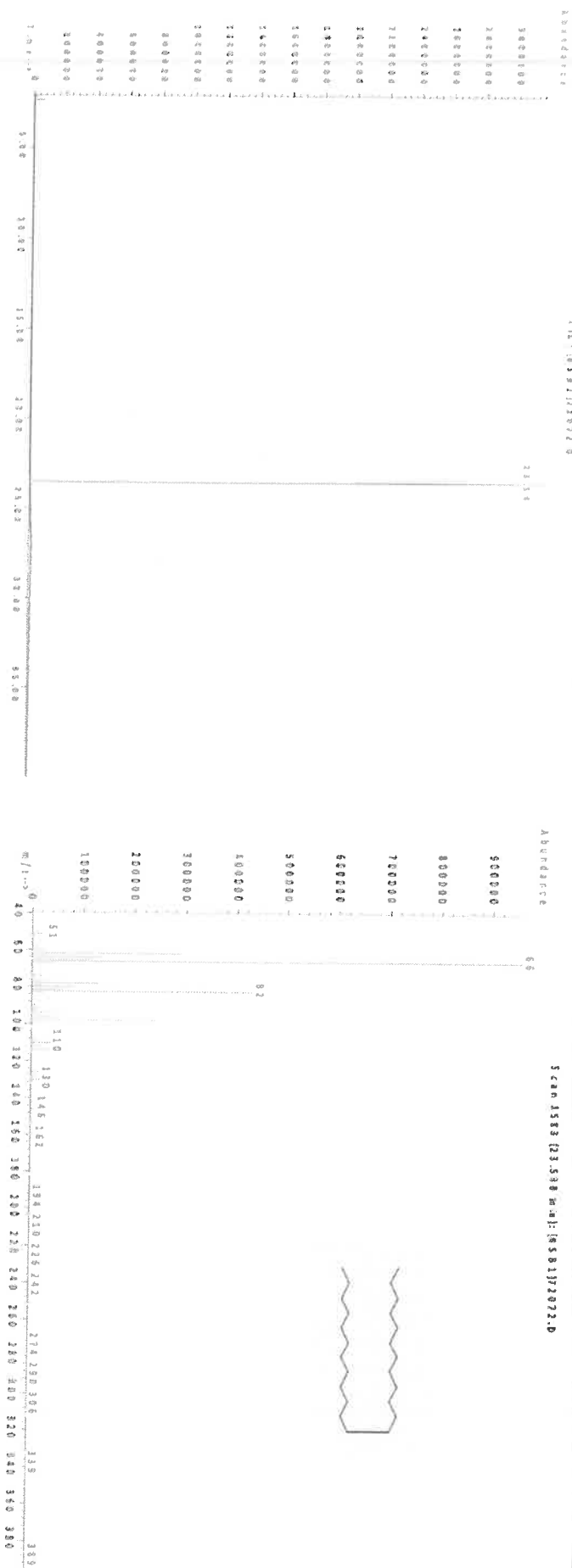
Expiration Date: **101132**
Recommended Storage: **Ambient (20 °C)**
Nominal Concentration (µg/mL): **1000**
NIST Test ID#: **6UB3**
Weight(s) shown below were combined and diluted to (mL): **200.0**
5E-05 Balance Uncertainty
0.058 Flask Uncertainty

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).

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	en-ra 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)	en-ra 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	en-ra 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	
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	
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	

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 = aDaq 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

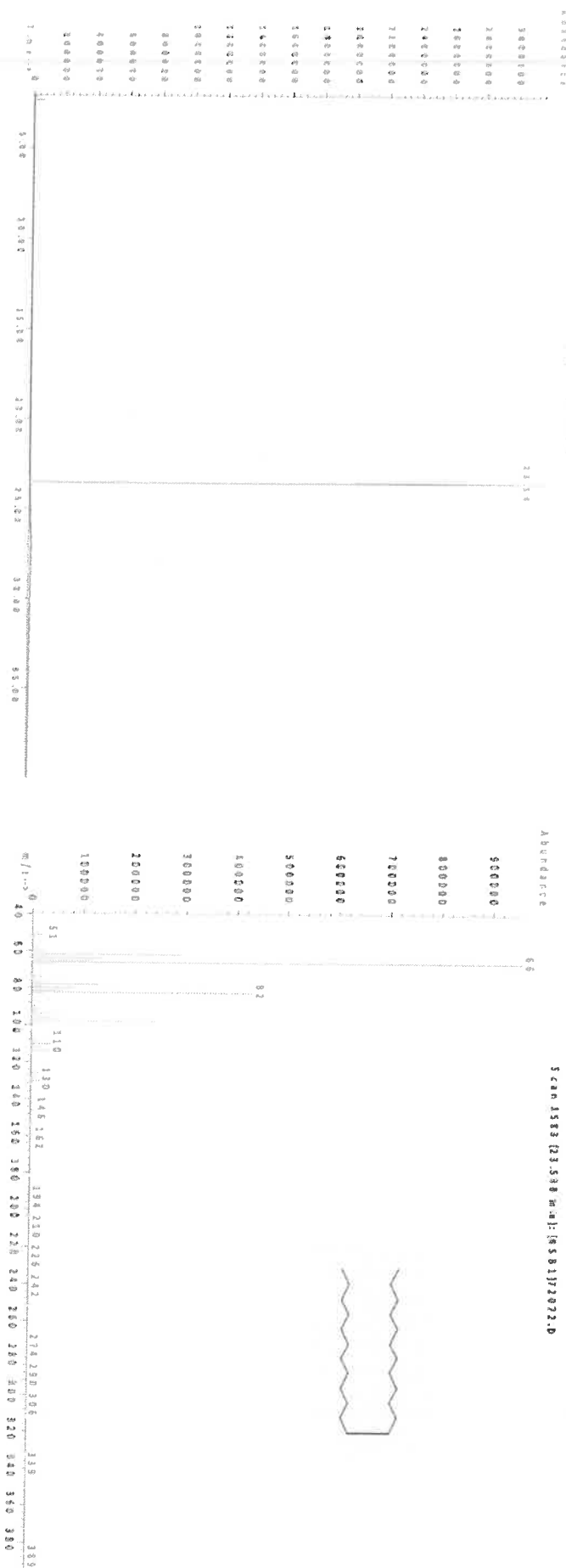
Expiration Date: **101132**
Recommended Storage: **Ambient (20 °C)**
Nominal Concentration (µg/mL): **1000**
NIST Test ID#: **6UB3**
Weight(s) shown below were combined and diluted to (mL): **200.0**
5E-05 Balance Uncertainty
0.058 Flask Uncertainty

P13437
13496
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).

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	en-ra 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)	en-ra 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	en-ra 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	
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	
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	

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 = aDaq 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

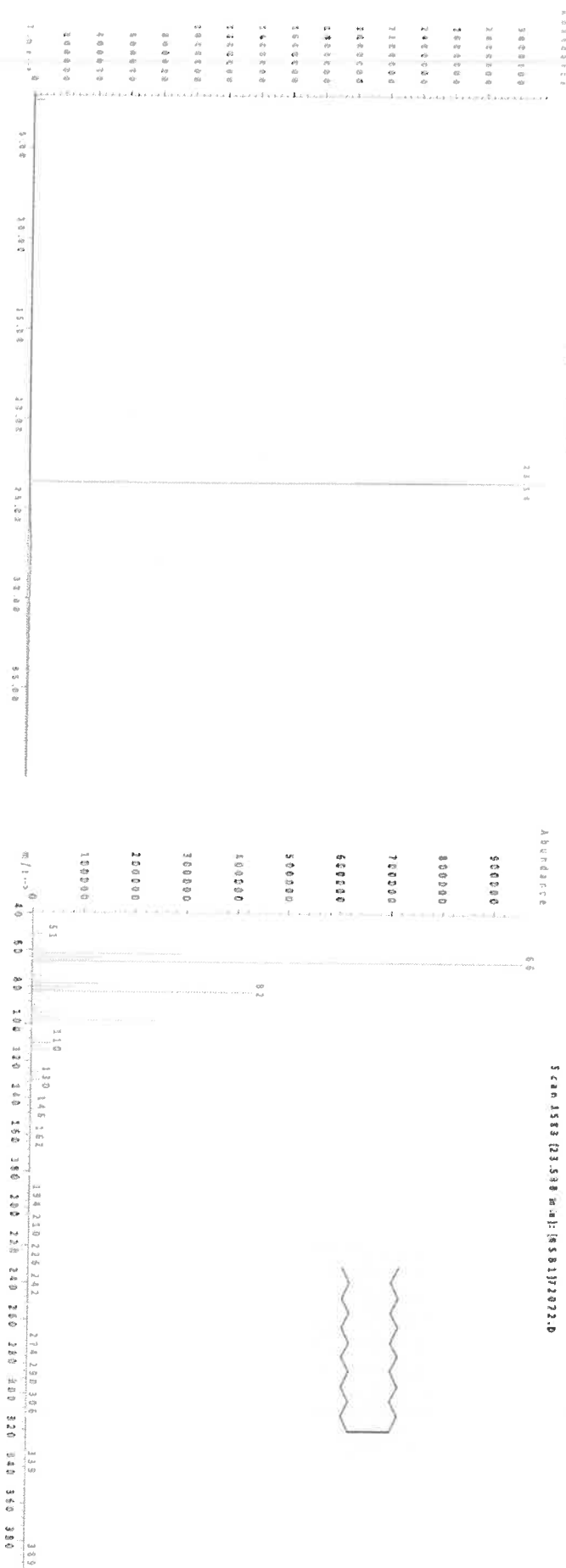
Expiration Date: **101132**
Recommended Storage: **Ambient (20 °C)**
Nominal Concentration (µg/mL): **1000**
NIST Test ID#: **6UB3**
Weight(s) shown below were combined and diluted to (mL): **200.0**
5E-05 Balance Uncertainty
0.058 Flask Uncertainty

P13437
13496
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 (%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).

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



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Document Identification: Certificate of Analysis Rev 14, Date Issued: 05/30/2019



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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
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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

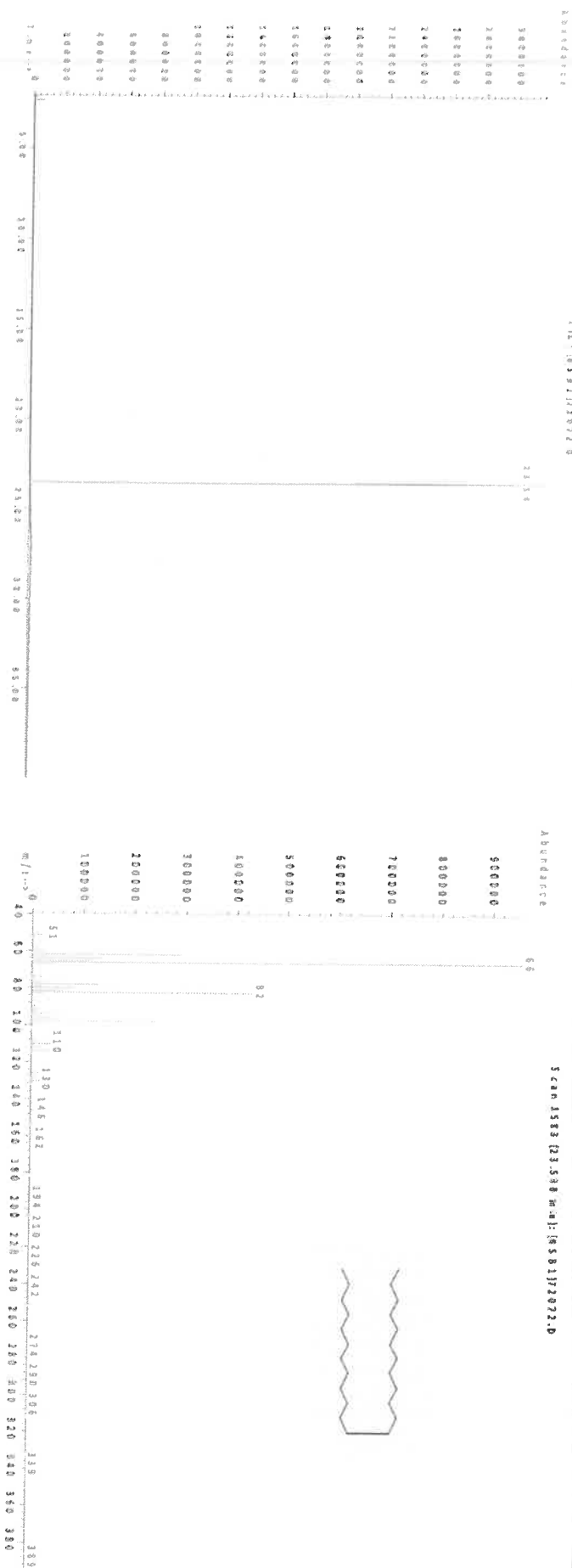
Expiration Date: **101132**
Recommended Storage: **Ambient (20 °C)**
Nominal Concentration (µg/mL): **1000**
NIST Test ID#: **6UB3**
Weight(s) shown below were combined and diluted to (mL): **200.0**
5E-05 Balance Uncertainty
0.058 Flask Uncertainty

P13437
13496
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 (%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, (1996).



SHIPPING DOCUMENTS



Q1308

NO. 2 OF 2

[illegible]



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