

Cover Page

Order ID : Q3011

Project ID : 4 Hampton Place, Nutley

Client : Sciacca General Contractors, LLC

Lab Sample Number

Q3011-01
Q3011-02
Q3011-03
Q3011-04
Q3011-05
Q3011-06
Q3011-07
Q3011-08

Client Sample Number

WASTE
VOC
1
2
3
4
5
6

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: 9/6/2025

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 #: Q3011

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: MAHESH PATEL

Date: 09/06/2025

LAB CHRONICLE

OrderID: Q3011	OrderDate: 9/3/2025 3:51:00 PM
Client: Sciacca General Contractors, LLC	Project: 4 Hampton Place, Nutley
Contact: Rosanne Scirica	Location: J33,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3011-01	WASTE	SOIL	TPH GC	8015D	09/03/25	09/04/25	09/04/25	09/03/25
Q3011-03	1	Solid	EPH_F2	NJEPH	09/03/25	09/04/25	09/04/25	09/03/25
Q3011-04	2	Solid	EPH_F2	NJEPH	09/03/25	09/04/25	09/04/25	09/03/25
Q3011-05	3	Solid	EPH_F2	NJEPH	09/03/25	09/04/25	09/04/25	09/03/25
Q3011-06	4	Solid	EPH_F2	NJEPH	09/03/25	09/04/25	09/04/25	09/03/25
Q3011-07	5	Solid	EPH_F2	NJEPH	09/03/25	09/04/25	09/04/25	09/03/25
Q3011-08	6	Solid	EPH_F2	NJEPH	09/03/25	09/04/25	09/04/25	09/03/25



QC SUMMARY



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

SOIL TPH GC SURROGATE RECOVERY

Lab Name: Alliance

Client: Sciacca General Contractors, LLC

Lab Code: ACE

SDG No.: Q3011

CLIENT ID	S1	S2	S3	S4	TOT
	TETRACOSANE-d50				OUT
PIBLK-FG016538.D	104				0
PIBLK-FG016545.D	103				0
PIBLK-FG016551.D	97				0
PB169544BL	101				0
PB169544BS	85				0
AU-05-082925MS	57				0
AU-05-082925MSD	65				0
WASTE	66				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 TPH GC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>Sciacca General Contractors, LLC</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q3011</u>
Client Sample ID :	<u>AU-05-082925MS</u>	Datafile:	<u>FG016549.D</u>

COMPOUND	SPIKE ADDED ug/kg	SAMPLE CONCENTRATION ug/kg	MS/MSD CONCENTRATION ug/kg	% REC	Qual	QC LIMITS(%)
Petroleum Hydrocarbons	11965	146000	128000	-149%	*	68-131

SOIL TPH GC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>Sciacca General Contractors, LLC</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q3011</u>
Client Sample ID :	<u>AU-05-082925MSD</u>	Datafile:	<u>FG016550.D</u>

COMPOUND	SPIKE ADDED ug/kg	SAMPLE CONCENTRATION ug/kg	MS/MSD CONCENTRATION ug/kg	% REC	Qual	QC LIMITS(%)
Petroleum Hydrocarbons	11981	146000	134000	-99%	*	68-131

MS/MSD % Recovery RPD : 40.6

SOIL TPH GC LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Alliance

Client: Sciacca General Contractors, LLC

Lab Code: ACE

SDG No: Q3011

Client Sample ID : PB169544BS

Datafile: FG016548.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS (%)
Petroleum Hydrocarbons	11326	0	9716	86	68-131

4B
METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

PB169544BL

Lab Name: Alliance

Contract: SCIA01

Lab Code: ACE

SDG NO.: Q3011

Lab File ID: FG016547.D

Lab Sample ID: PB169544BL

Instrument ID: FG

Date Extracted: 09/04/2025

Matrix: (soil/water) Soil

Date Analyzed: 09/04/25

Level: (low/med) low

Time Analyzed: 15:16

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

CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
WASTE	Q3011-01	FG016542.D	09/04/25
PB169544BS	PB169544BS	FG016548.D	09/04/25
AU-05-082925MS	Q2998-01MS	FG016549.D	09/04/25
AU-05-082925MSD	Q2998-01MSD	FG016550.D	09/04/25

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	Sciacca General Contractors, LLC		Date Collected:	09/03/25	
Project:	4 Hampton Place, Nutley		Date Received:	09/03/25	
Client Sample ID:	WASTE		SDG No.:	Q3011	
Lab Sample ID:	Q3011-01		Matrix:	SOIL	
Analytical Method:	8015D TPH		% Solid:	93.9	Decanted:
Sample Wt/Vol:	30.08	Units: g	Final Vol:	1	mL
Soil Aliquot Vol:		uL	Test:	TPH GC	
Extraction Type:			Injection Volume :		
GPC Factor :		PH :			
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG016542.D	1	09/04/25 08:45	09/04/25 12:18	PB169544

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
PHC	Petroleum Hydrocarbons	46700		408	3010	ug/kg
SURROGATES						
16416-32-3	TETRACOSANE-d50	13.1		37 - 130	66%	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\FG090425\
Data File : FG016542.D
Signal(s) : FID1A.ch
Acq On : 04 Sep 2025 12:18
Operator : YP\AJ
Sample : Q3011-01
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
WASTE

Integration File: Sample.e
Quant Time: Sep 05 03:45:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG080525.M
Quant Title :
QLast Update : Thu Sep 04 10:24:25 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...	15.181	1247937	13.098 ug/ml

Target Compounds

(f)=RT Delta > 1/2 Window

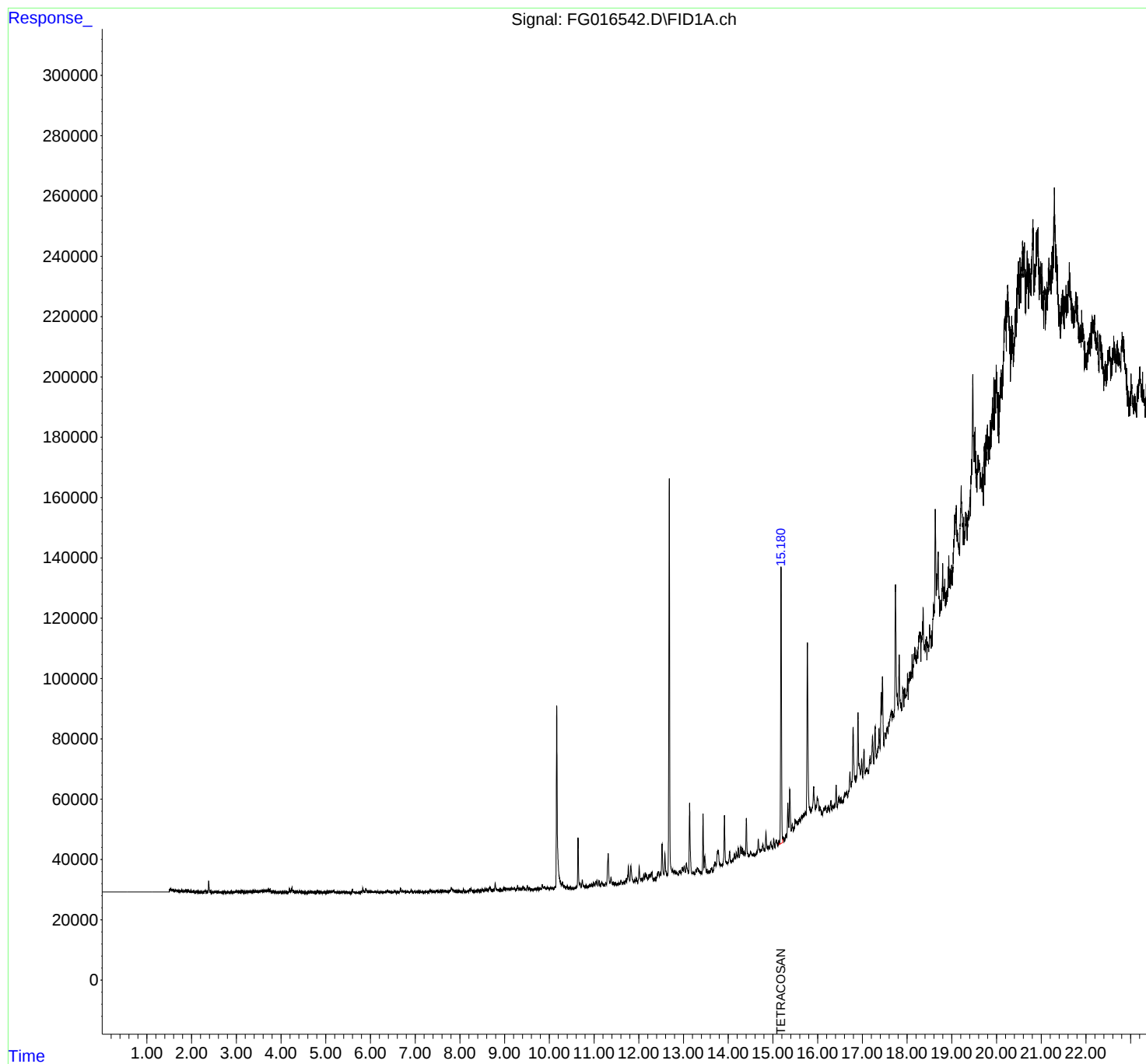
(m)=manual int.

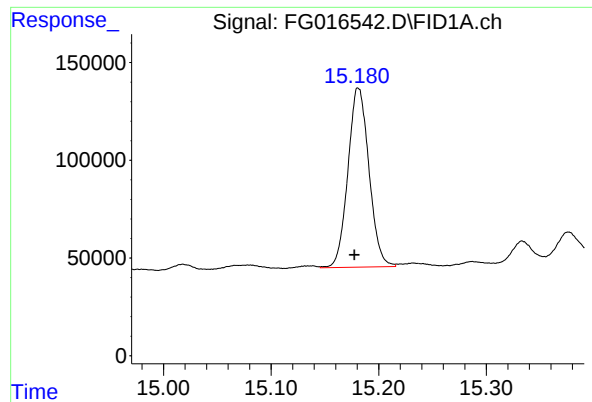
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG090425\
Data File : FG016542.D
Signal(s) : FID1A.ch
Acq On : 04 Sep 2025 12:18
Operator : YP\AJ
Sample : Q3011-01
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
WASTE

Integration File: Sample.e
Quant Time: Sep 05 03:45:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG080525.M
Quant Title :
QLast Update : Thu Sep 04 10:24:25 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.: 15.181 min
Delta R.T.: 0.003 min
Response: 1247937
Conc: 13.10 ug/ml

Instrument :
FID_G
ClientSampleId :
WASTE

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG090425\
 Data File : FG016542.D
 Signal(s) : FID1A.ch
 Acq On : 04 Sep 2025 12:18
 Sample : Q3011-01
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG080525.M
 Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.030	2.000	2.058	BV	237	3069	0.04%	0.002%
2	2.064	2.058	2.075	PV	125	383	0.00%	0.000%
3	2.103	2.075	2.138	PV	276	4252	0.05%	0.003%
4	2.146	2.138	2.160	VV	100	1075	0.01%	0.001%
5	2.177	2.160	2.201	VV	205	3029	0.04%	0.002%
6	2.213	2.201	2.229	VV	168	1562	0.02%	0.001%
7	2.235	2.229	2.254	VV	110	981	0.01%	0.001%
8	2.261	2.254	2.267	PV	105	506	0.01%	0.000%
9	2.296	2.267	2.355	VV	602	13654	0.17%	0.010%
10	2.382	2.355	2.424	VV	3797	44408	0.56%	0.034%
11	2.431	2.424	2.444	VV	237	2025	0.03%	0.002%
12	2.445	2.444	2.454	VV	167	900	0.01%	0.001%
13	2.461	2.454	2.483	VV	227	3052	0.04%	0.002%
14	2.488	2.483	2.504	VV	152	1249	0.02%	0.001%
15	2.514	2.504	2.536	VV	245	3483	0.04%	0.003%
16	2.539	2.536	2.546	VV	177	818	0.01%	0.001%
17	2.549	2.546	2.569	VV	161	1759	0.02%	0.001%
18	2.574	2.569	2.580	VV	108	607	0.01%	0.000%
19	2.585	2.580	2.594	VV	143	635	0.01%	0.000%
20	2.622	2.594	2.633	VV	232	2298	0.03%	0.002%
21	2.638	2.633	2.665	VV	141	1785	0.02%	0.001%
22	2.689	2.665	2.712	VV	184	3418	0.04%	0.003%
23	2.715	2.712	2.722	VV	156	667	0.01%	0.001%
24	2.725	2.722	2.759	VV	72	1921	0.02%	0.001%
25	2.763	2.759	2.768	VV	106	427	0.01%	0.000%
26	2.801	2.768	2.852	VV	249	6473	0.08%	0.005%
27	2.869	2.852	2.879	VV	192	2167	0.03%	0.002%
28	2.890	2.879	2.934	VV	217	4552	0.06%	0.003%
29	2.940	2.934	2.964	VV	184	2177	0.03%	0.002%
30	2.996	2.964	3.009	VV	450	6767	0.08%	0.005%
31	3.015	3.009	3.058	VV	414	9099	0.11%	0.007%

					rteres			
32	3.066	3.058	3.094	VV	258	4483	0.06%	0.003%
33	3.118	3.094	3.204	VV	506	16787	0.21%	0.013%
34	3.234	3.204	3.274	VV	323	9778	0.12%	0.007%
35	3.297	3.274	3.336	VV	443	12381	0.15%	0.009%
36	3.386	3.336	3.394	VV	477	11914	0.15%	0.009%
37	3.402	3.394	3.426	VV	486	7877	0.10%	0.006%
38	3.436	3.426	3.459	VV	448	7595	0.09%	0.006%
39	3.556	3.459	3.564	VV	591	28825	0.36%	0.022%
40	3.605	3.564	3.623	VV	676	20689	0.26%	0.016%
41	3.636	3.623	3.671	VV	677	17974	0.22%	0.014%
42	3.755	3.671	3.817	VV	876	54369	0.68%	0.041%
43	3.832	3.817	3.896	VV	415	12781	0.16%	0.010%
44	3.920	3.896	3.962	VV	254	7620	0.10%	0.006%
45	3.971	3.962	3.996	VV	208	3604	0.05%	0.003%
46	4.002	3.996	4.059	VV	192	6300	0.08%	0.005%
47	4.077	4.059	4.101	VV	237	4525	0.06%	0.003%
48	4.106	4.101	4.152	VV	233	4800	0.06%	0.004%
49	4.188	4.152	4.222	VV	1351	23516	0.29%	0.018%
50	4.243	4.222	4.334	VV	1534	36449	0.46%	0.028%
51	4.352	4.334	4.361	VV	312	4253	0.05%	0.003%
52	4.371	4.361	4.393	VV	370	5445	0.07%	0.004%
53	4.414	4.393	4.447	VV	671	12212	0.15%	0.009%
54	4.461	4.447	4.526	VV	354	8588	0.11%	0.007%
55	4.529	4.526	4.566	VV	178	2808	0.04%	0.002%
56	4.609	4.566	4.628	VV	259	6378	0.08%	0.005%
57	4.651	4.628	4.678	VV	414	7296	0.09%	0.006%
58	4.689	4.678	4.715	VV	297	4546	0.06%	0.003%
59	4.725	4.715	4.761	VV	189	3751	0.05%	0.003%
60	4.776	4.761	4.795	VV	211	3221	0.04%	0.002%
61	4.815	4.795	4.862	VV	856	13131	0.16%	0.010%
62	4.884	4.862	4.921	VV	315	7978	0.10%	0.006%
63	4.939	4.921	4.956	VV	236	3707	0.05%	0.003%
64	4.967	4.956	4.981	VV	218	2476	0.03%	0.002%
65	5.023	4.981	5.044	VV	373	7500	0.09%	0.006%
66	5.063	5.044	5.092	VV	272	7070	0.09%	0.005%
67	5.175	5.092	5.256	VV	618	34359	0.43%	0.026%
68	5.285	5.256	5.297	VV	209	4197	0.05%	0.003%
69	5.310	5.297	5.347	VV	318	6204	0.08%	0.005%
70	5.366	5.347	5.396	VV	486	8474	0.11%	0.006%
71	5.408	5.396	5.430	VV	309	4457	0.06%	0.003%
72	5.453	5.430	5.460	VV	322	4021	0.05%	0.003%
73	5.474	5.460	5.524	VV	369	6531	0.08%	0.005%
74	5.539	5.524	5.573	PV	147	2292	0.03%	0.002%
75	5.599	5.573	5.622	VV	1321	16218	0.20%	0.012%
76	5.634	5.622	5.713	VV	301	7322	0.09%	0.006%
77	5.734	5.713	5.745	PV	114	1668	0.02%	0.001%
78	5.757	5.745	5.773	VV	98	1401	0.02%	0.001%
79	5.795	5.773	5.809	VV	366	4750	0.06%	0.004%

80	5.829	5.809	5.853	VV	1653	22093	0.28%	0.017%
81	5.866	5.853	5.879	VV	539	6753	0.08%	0.005%
82	5.896	5.879	5.969	VV	1506	35055	0.44%	0.027%
83	5.984	5.969	6.018	VV	510	10897	0.14%	0.008%
84	6.054	6.018	6.077	VV	458	12079	0.15%	0.009%
85	6.108	6.077	6.133	VV	413	9765	0.12%	0.007%
86	6.158	6.133	6.200	VV	352	9100	0.11%	0.007%
87	6.228	6.200	6.250	VV	242	5061	0.06%	0.004%
88	6.277	6.250	6.299	VV	253	4745	0.06%	0.004%
89	6.310	6.299	6.322	VV	270	3120	0.04%	0.002%
90	6.332	6.322	6.350	VV	315	4583	0.06%	0.003%
91	6.378	6.350	6.437	VV	847	22135	0.28%	0.017%
92	6.443	6.437	6.506	VV	251	7941	0.10%	0.006%
93	6.542	6.506	6.591	VV	631	13897	0.17%	0.011%
94	6.613	6.591	6.639	VV	194	3960	0.05%	0.003%
95	6.671	6.639	6.706	VV	1510	22848	0.29%	0.017%
96	6.718	6.706	6.744	VV	386	7629	0.10%	0.006%
97	6.762	6.744	6.808	VV	444	10302	0.13%	0.008%
98	6.833	6.808	6.878	VV	418	7733	0.10%	0.006%
99	6.910	6.878	6.948	PV	1104	16376	0.20%	0.012%
100	6.958	6.948	6.970	VV	216	2602	0.03%	0.002%
101	6.987	6.970	7.019	VV	360	6399	0.08%	0.005%
102	7.039	7.019	7.054	VV	264	4089	0.05%	0.003%
103	7.064	7.054	7.077	VV	196	2212	0.03%	0.002%
104	7.116	7.077	7.148	VV	278	6631	0.08%	0.005%
105	7.166	7.148	7.201	VV	144	2727	0.03%	0.002%
106	7.244	7.201	7.270	PV	305	4600	0.06%	0.003%
107	7.293	7.270	7.307	VV	128	1951	0.02%	0.001%
108	7.330	7.307	7.357	VV	636	11856	0.15%	0.009%
109	7.375	7.357	7.396	VV	461	8013	0.10%	0.006%
110	7.409	7.396	7.443	VV	326	6418	0.08%	0.005%
111	7.479	7.443	7.537	VV	513	14452	0.18%	0.011%
112	7.560	7.537	7.587	VV	549	9153	0.11%	0.007%
113	7.618	7.587	7.642	VV	561	11445	0.14%	0.009%
114	7.656	7.642	7.704	VV	470	11245	0.14%	0.009%
115	7.811	7.704	7.899	VV	1347	53723	0.67%	0.041%
116	7.910	7.899	7.932	VV	301	3869	0.05%	0.003%
117	7.964	7.932	7.997	VV	344	7806	0.10%	0.006%
118	8.018	7.997	8.045	VV	257	3636	0.05%	0.003%
119	8.078	8.045	8.117	PV	835	11016	0.14%	0.008%
120	8.135	8.117	8.153	VV	187	1898	0.02%	0.001%
121	8.175	8.153	8.188	PV	158	1797	0.02%	0.001%
122	8.221	8.188	8.232	VV	658	11164	0.14%	0.008%
123	8.249	8.232	8.296	VV	1173	19558	0.24%	0.015%
124	8.312	8.296	8.346	VV	232	4338	0.05%	0.003%
125	8.365	8.346	8.383	PV	231	3676	0.05%	0.003%
126	8.404	8.383	8.466	VV	583	12583	0.16%	0.010%

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127	8.495	8.466	8.536	VV	693	14504	0.18%	0.011%
128	8.567	8.536	8.587	VV	643	12450	0.16%	0.009%
129	8.602	8.587	8.622	VV	568	8762	0.11%	0.007%
130	8.673	8.622	8.732	VV	1185	40040	0.50%	0.030%
131	8.790	8.732	8.831	VV	2732	49290	0.62%	0.037%
132	8.839	8.831	8.855	VV	554	6548	0.08%	0.005%
133	8.867	8.855	8.884	VV	394	5176	0.06%	0.004%
134	8.905	8.884	8.941	VV	603	11867	0.15%	0.009%
135	8.975	8.941	9.028	VV	826	30268	0.38%	0.023%
136	9.046	9.028	9.067	VV	837	15286	0.19%	0.012%
137	9.089	9.067	9.107	VV	648	14225	0.18%	0.011%
138	9.114	9.107	9.132	VV	577	8048	0.10%	0.006%
139	9.153	9.132	9.194	VV	908	25005	0.31%	0.019%
140	9.217	9.194	9.242	VV	1156	20504	0.26%	0.016%
141	9.291	9.242	9.317	VV	1457	29145	0.36%	0.022%
142	9.330	9.317	9.352	VV	582	9840	0.12%	0.007%
143	9.368	9.352	9.386	VV	551	8946	0.11%	0.007%
144	9.408	9.386	9.473	VV	1206	35171	0.44%	0.027%
145	9.507	9.473	9.532	VV	1620	27136	0.34%	0.021%
146	9.545	9.532	9.586	VV	673	14456	0.18%	0.011%
147	9.603	9.586	9.627	VV	346	6192	0.08%	0.005%
148	9.662	9.627	9.677	PV	525	7952	0.10%	0.006%
149	9.695	9.677	9.727	VV	475	9050	0.11%	0.007%
150	9.747	9.727	9.774	VV	645	9699	0.12%	0.007%
151	9.798	9.774	9.818	VV	549	9066	0.11%	0.007%
152	9.842	9.818	9.869	VV	1810	29455	0.37%	0.022%
153	9.890	9.869	9.923	VV	1086	23837	0.30%	0.018%
154	9.964	9.923	9.996	VV	763	21534	0.27%	0.016%
155	10.031	9.996	10.059	VV	556	15696	0.20%	0.012%
156	10.070	10.059	10.097	VV	355	6871	0.09%	0.005%
157	10.128	10.097	10.139	VV	896	13642	0.17%	0.010%
158	10.165	10.139	10.274	VV	60737	977875	12.23%	0.740%
159	10.293	10.274	10.322	VV	2439	46018	0.58%	0.035%
160	10.334	10.322	10.366	VV	1051	19865	0.25%	0.015%
161	10.399	10.366	10.435	VV	775	19515	0.24%	0.015%
162	10.471	10.435	10.515	VV	394	9825	0.12%	0.007%
163	10.521	10.515	10.556	VV	160	2216	0.03%	0.002%
164	10.600	10.556	10.613	PV	530	8914	0.11%	0.007%
165	10.642	10.613	10.672	VV	16570	202621	2.53%	0.153%
166	10.684	10.672	10.711	VV	1658	26275	0.33%	0.020%
167	10.737	10.711	10.764	VV	2721	43120	0.54%	0.033%
168	10.776	10.764	10.802	VV	683	9763	0.12%	0.007%
169	10.821	10.802	10.866	PV	654	11385	0.14%	0.009%
170	10.902	10.866	10.929	VV	741	15037	0.19%	0.011%
171	10.948	10.929	10.974	VV	881	16071	0.20%	0.012%
172	10.994	10.974	11.022	VV	1356	23514	0.29%	0.018%
173	11.038	11.022	11.051	VV	1912	23315	0.29%	0.018%
174	11.065	11.051	11.087	VV	1878	26710	0.33%	0.020%

175	11.111	11.087	11.152	VV	1797	35350	0.44%	0.027%
176	11.171	11.152	11.204	VV	1399	25360	0.32%	0.019%
177	11.220	11.204	11.246	VV	448	8697	0.11%	0.007%
178	11.264	11.246	11.278	VV	951	12351	0.15%	0.009%
179	11.316	11.278	11.355	VV	10660	206480	2.58%	0.156%
180	11.378	11.355	11.452	VV	2688	59865	0.75%	0.045%
181	11.472	11.452	11.534	VV	478	13031	0.16%	0.010%
182	11.552	11.534	11.571	PV	447	5689	0.07%	0.004%
183	11.604	11.571	11.639	VV	1133	19342	0.24%	0.015%
184	11.717	11.639	11.731	VV	1218	32973	0.41%	0.025%
185	11.767	11.731	11.797	VV	5790	100669	1.26%	0.076%
186	11.823	11.797	11.886	VV	5655	117467	1.47%	0.089%
187	11.909	11.886	11.925	VV	899	13897	0.17%	0.011%
188	11.943	11.925	11.976	VV	1597	21180	0.26%	0.016%
189	12.009	11.976	12.048	VV	5163	79310	0.99%	0.060%
190	12.070	12.048	12.088	VV	766	15225	0.19%	0.012%
191	12.111	12.088	12.126	VV	2317	29299	0.37%	0.022%
192	12.144	12.126	12.161	VV	2871	38974	0.49%	0.030%
193	12.170	12.161	12.196	VV	2064	28647	0.36%	0.022%
194	12.230	12.196	12.245	VV	2092	37105	0.46%	0.028%
195	12.261	12.245	12.274	VV	2023	26836	0.34%	0.020%
196	12.294	12.274	12.336	VV	2605	45805	0.57%	0.035%
197	12.365	12.336	12.382	VV	481	7148	0.09%	0.005%
198	12.440	12.382	12.461	VV	2729	69113	0.86%	0.052%
199	12.478	12.461	12.496	VV	2177	33925	0.42%	0.026%
200	12.521	12.496	12.563	VV	11582	200976	2.51%	0.152%
201	12.585	12.563	12.626	VV	8376	141116	1.76%	0.107%
202	12.636	12.626	12.651	VV	1352	18913	0.24%	0.014%
203	12.683	12.651	12.746	VV	131368	1731477	21.65%	1.311%
204	12.757	12.746	12.776	VV	2816	40989	0.51%	0.031%
205	12.790	12.776	12.826	VV	2077	51127	0.64%	0.039%
206	12.840	12.826	12.881	VV	1518	38945	0.49%	0.029%
207	12.926	12.881	12.944	VV	1921	52517	0.66%	0.040%
208	12.972	12.944	12.996	VV	2819	62828	0.79%	0.048%
209	13.018	12.996	13.041	VV	3422	64597	0.81%	0.049%
210	13.067	13.041	13.111	VV	4270	95231	1.19%	0.072%
211	13.137	13.111	13.193	VV	23982	356948	4.46%	0.270%
212	13.212	13.193	13.254	VV	826	21535	0.27%	0.016%
213	13.278	13.254	13.296	VV	1711	23969	0.30%	0.018%
214	13.313	13.296	13.340	VV	2127	43936	0.55%	0.033%
215	13.347	13.340	13.369	VV	1173	15467	0.19%	0.012%
216	13.382	13.369	13.407	VV	561	8033	0.10%	0.006%
217	13.438	13.407	13.459	VV	19756	226668	2.83%	0.172%
218	13.475	13.459	13.512	VV	5649	97617	1.22%	0.074%
219	13.526	13.512	13.547	VV	1402	14993	0.19%	0.011%
220	13.574	13.547	13.585	PV	474	6603	0.08%	0.005%
221	13.629	13.585	13.659	VV	1298	33022	0.41%	0.025%

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222	13.706	13.659	13.732	PV	3158	82028	1.03%	0.062%
223	13.760	13.732	13.771	VV	6291	107220	1.34%	0.081%
224	13.779	13.771	13.824	VV	6553	111988	1.40%	0.085%
225	13.860	13.824	13.871	VV	1266	34390	0.43%	0.026%
226	13.916	13.871	13.994	VV	17295	301952	3.78%	0.229%
227	14.032	13.994	14.061	VV	4562	97569	1.22%	0.074%
228	14.106	14.061	14.113	VV	1431	38859	0.49%	0.029%
229	14.140	14.113	14.162	VV	3122	61993	0.78%	0.047%
230	14.180	14.162	14.202	VV	3555	60924	0.76%	0.046%
231	14.226	14.202	14.249	VV	4671	81821	1.02%	0.062%
232	14.275	14.249	14.292	VV	4816	82390	1.03%	0.062%
233	14.312	14.292	14.337	VV	4091	81600	1.02%	0.062%
234	14.352	14.337	14.370	VV	2926	45272	0.57%	0.034%
235	14.405	14.370	14.456	VV	13573	217197	2.72%	0.164%
236	14.503	14.456	14.551	VV	1822	58249	0.73%	0.044%
237	14.574	14.551	14.594	VV	519	11096	0.14%	0.008%
238	14.672	14.594	14.727	VV	4776	112043	1.40%	0.085%
239	14.774	14.727	14.817	VV	2815	65682	0.82%	0.050%
240	14.843	14.817	14.891	VV	6375	100428	1.26%	0.076%
241	14.906	14.891	14.925	VV	1252	17405	0.22%	0.013%
242	14.951	14.925	14.996	VV	2307	43808	0.55%	0.033%
243	15.018	14.996	15.044	PV	2960	37173	0.46%	0.028%
244	15.079	15.044	15.114	VV	2011	44775	0.56%	0.034%
245	15.136	15.114	15.149	PV	1034	14591	0.18%	0.011%
246	15.181	15.149	15.218	VV	91713	1248588	15.61%	0.945%
247	15.233	15.218	15.261	VV	1641	24875	0.31%	0.019%
248	15.287	15.261	15.309	PV	1937	29176	0.36%	0.022%
249	15.334	15.309	15.356	VV	11870	174023	2.18%	0.132%
250	15.376	15.356	15.409	VV	16133	277452	3.47%	0.210%
251	15.432	15.409	15.457	VV	3732	78382	0.98%	0.059%
252	15.496	15.457	15.516	VV	4941	114763	1.43%	0.087%
253	15.528	15.516	15.564	VV	3838	98501	1.23%	0.075%
254	15.586	15.564	15.619	VV	4072	119739	1.50%	0.091%
255	15.643	15.619	15.664	VV	5050	115331	1.44%	0.087%
256	15.723	15.664	15.739	VV	4993	208145	2.60%	0.158%
257	15.771	15.739	15.853	VV	60330	1183392	14.80%	0.896%
258	15.911	15.853	15.952	VV	11703	389746	4.87%	0.295%
259	15.991	15.952	16.036	VV	7641	269133	3.37%	0.204%
260	16.050	16.036	16.084	VV	3852	85075	1.06%	0.064%
261	16.091	16.084	16.107	VV	1800	19534	0.24%	0.015%
262	16.143	16.107	16.158	VV	2452	56254	0.70%	0.043%
263	16.179	16.158	16.209	VV	2760	54574	0.68%	0.041%
264	16.234	16.209	16.265	VV	2145	45892	0.57%	0.035%
265	16.293	16.265	16.319	VV	3431	54338	0.68%	0.041%
266	16.338	16.319	16.362	VV	1459	24787	0.31%	0.019%
267	16.382	16.362	16.392	VV	1547	20037	0.25%	0.015%
268	16.414	16.392	16.441	VV	7555	100065	1.25%	0.076%
269	16.479	16.441	16.499	PV	3028	58562	0.73%	0.044%

270	16.517	16.499	16.537	VV	1784	29447	0.37%	0.022%
271	16.562	16.537	16.574	VV	717	11225	0.14%	0.008%
272	16.608	16.574	16.620	PV	2452	43131	0.54%	0.033%
273	16.651	16.620	16.671	VV	2010	46753	0.58%	0.035%
274	16.722	16.671	16.745	VV	7611	138299	1.73%	0.105%
275	16.794	16.745	16.829	VV	21017	437750	5.47%	0.331%
276	16.838	16.829	16.851	VV	4208	43451	0.54%	0.033%
277	16.903	16.851	16.958	VV	24247	510872	6.39%	0.387%
278	16.984	16.958	17.007	VV	7345	129527	1.62%	0.098%
279	17.037	17.007	17.062	VV	9738	157136	1.96%	0.119%
280	17.103	17.062	17.139	VV	2260	69403	0.87%	0.053%
281	17.173	17.139	17.194	PV	4902	95225	1.19%	0.072%
282	17.226	17.194	17.255	VV	10249	185085	2.31%	0.140%
283	17.285	17.255	17.317	VV	12059	200965	2.51%	0.152%
284	17.373	17.317	17.396	VV	9135	175981	2.20%	0.133%
285	17.421	17.396	17.433	VV	19807	276969	3.46%	0.210%
286	17.449	17.433	17.481	VV	24133	365337	4.57%	0.277%
287	17.503	17.481	17.527	VV	4350	88807	1.11%	0.067%
288	17.559	17.527	17.574	VV	5083	112780	1.41%	0.085%
289	17.590	17.574	17.597	VV	6121	67300	0.84%	0.051%
290	17.648	17.597	17.663	VV	8397	271787	3.40%	0.206%
291	17.673	17.663	17.693	VV	7604	111268	1.39%	0.084%
292	17.740	17.693	17.800	VV	48200	1059352	13.25%	0.802%
293	17.823	17.800	17.856	VV	22747	396385	4.96%	0.300%
294	17.866	17.856	17.881	VV	5757	65648	0.82%	0.050%
295	17.903	17.881	17.929	VV	9651	192124	2.40%	0.145%
296	17.948	17.929	17.977	VV	8657	171406	2.14%	0.130%
297	18.009	17.977	18.024	VV	11884	197386	2.47%	0.149%
298	18.056	18.024	18.071	VV	11340	238281	2.98%	0.180%
299	18.083	18.071	18.091	VV	10160	119814	1.50%	0.091%
300	18.112	18.091	18.125	VV	15760	225886	2.82%	0.171%
301	18.175	18.125	18.196	VV	16571	554078	6.93%	0.420%
302	18.221	18.196	18.241	VV	14455	347788	4.35%	0.263%
303	18.275	18.241	18.282	VV	19389	406649	5.08%	0.308%
304	18.294	18.282	18.308	VV	18248	252288	3.15%	0.191%
305	18.359	18.308	18.408	VV	25096	921026	11.52%	0.697%
306	18.432	18.408	18.443	VV	13610	237561	2.97%	0.180%
307	18.456	18.443	18.483	VV	11518	235110	2.94%	0.178%
308	18.503	18.483	18.537	VV	15898	376174	4.70%	0.285%
309	18.549	18.537	18.559	VV	13127	133046	1.66%	0.101%
310	18.591	18.559	18.601	VV	20840	394149	4.93%	0.298%
311	18.630	18.601	18.651	VV	51203	977811	12.23%	0.740%
312	18.661	18.651	18.672	VV	29264	338813	4.24%	0.257%
313	18.694	18.672	18.742	VV	35493	991587	12.40%	0.751%
314	18.755	18.742	18.766	VV	17415	241026	3.01%	0.183%
315	18.796	18.766	18.831	VV	29297	796658	9.96%	0.603%
316	18.842	18.831	18.854	VV	22852	258381	3.23%	0.196%

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317	18.868	18.854	18.876	VV	18073	211604	2.65%	0.160%
318	18.933	18.876	18.951	VV	28302	888255	11.11%	0.673%
319	18.999	18.951	19.010	VV	22867	725328	9.07%	0.549%
320	19.065	19.010	19.073	VV	39008	1073649	13.42%	0.813%
321	19.099	19.073	19.117	VV	40082	961768	12.03%	0.728%
322	19.125	19.117	19.176	VV	31972	961331	12.02%	0.728%
323	19.209	19.176	19.256	VV	44834	1666290	20.83%	1.262%
324	19.267	19.256	19.280	VV	33514	404861	5.06%	0.307%
325	19.310	19.280	19.342	VV	33085	1067737	13.35%	0.809%
326	19.470	19.342	19.509	VV	75157	4302856	53.80%	3.258%
327	19.520	19.509	19.546	VV	55044	1041141	13.02%	0.788%
328	19.581	19.546	19.601	VV	44605	1360222	17.01%	1.030%
329	19.609	19.601	19.647	VV	43190	1101979	13.78%	0.834%
330	19.652	19.647	19.706	VV	36416	1210236	15.13%	0.916%
331	19.728	19.706	19.740	VV	44318	818934	10.24%	0.620%
332	19.760	19.740	19.769	VV	45229	734573	9.18%	0.556%
333	19.796	19.769	19.819	VV	50136	1327003	16.59%	1.005%
334	19.828	19.819	19.843	VV	46276	626666	7.84%	0.475%
335	19.908	19.843	19.929	VV	57624	2486016	31.08%	1.883%
336	19.939	19.929	19.952	VV	62842	762648	9.54%	0.578%
337	19.968	19.952	19.981	VV	61148	950140	11.88%	0.719%
338	19.994	19.981	20.029	VV	65509	1666639	20.84%	1.262%
339	20.040	20.029	20.052	VV	56022	687392	8.59%	0.521%
340	20.102	20.052	20.122	VV	61796	2257326	28.22%	1.709%
341	20.136	20.122	20.147	VV	62159	868193	10.86%	0.657%
342	20.168	20.147	20.196	VV	74356	2048297	25.61%	1.551%
343	20.202	20.196	20.221	VV	82472	1109544	13.87%	0.840%
344	20.250	20.221	20.312	VV	85569	4126600	51.60%	3.125%
345	20.339	20.312	20.352	VV	72630	1533569	19.17%	1.161%
346	20.360	20.352	20.376	VV	67836	913735	11.42%	0.692%
347	20.429	20.376	20.437	VV	74424	2472774	30.92%	1.872%
348	20.489	20.437	20.507	VV	87857	3247409	40.60%	2.459%
349	20.527	20.507	20.547	VV	87146	1963725	24.55%	1.487%
350	20.582	20.547	20.594	VV	92652	2388468	29.86%	1.809%
351	20.601	20.594	20.609	VV	86772	760350	9.51%	0.576%
352	20.623	20.609	20.656	VV	90477	2285902	28.58%	1.731%
353	20.685	20.656	20.717	VV	86677	2852210	35.66%	2.160%
354	20.734	20.717	20.771	VV	79739	2418741	30.24%	1.832%
355	20.812	20.771	20.832	VV	92562	3031800	37.91%	2.296%
356	20.887	20.832	20.909	VV	88274	3558355	44.49%	2.695%
357	20.918	20.909	20.954	VV	84264	2149287	26.87%	1.628%
358	20.988	20.954	21.011	VV	75424	2372976	29.67%	1.797%
359	21.017	21.011	21.055	VV	73761	1688420	21.11%	1.279%
360	21.076	21.055	21.091	VV	64598	1313276	16.42%	0.994%
361	21.126	21.091	21.142	VV	65714	1838467	22.99%	1.392%
362	21.173	21.142	21.192	VV	70469	1969016	24.62%	1.491%
363	21.215	21.192	21.222	VV	69609	1172761	14.66%	0.888%
364	21.293	21.222	21.429	VV	92510	7997909	100.00%	6.056%

365	21.478	21.429	21.494	VV	rteres 54036	1879505	23.50%	1.423%
366	21.506	21.494	21.515	VV	48900	590003	7.38%	0.447%
367	21.554	21.515	21.567	VV	54448	1497141	18.72%	1.134%
368	21.576	21.567	21.597	VV	50572	893375	11.17%	0.677%
369	21.627	21.597	21.717	VV	60453	3449079	43.12%	2.612%
370	21.728	21.717	21.737	VV	42392	461675	5.77%	0.350%
371	21.746	21.737	21.753	VV	41109	383962	4.80%	0.291%
372	21.771	21.753	21.779	VV	47125	686718	8.59%	0.520%
373	21.785	21.779	21.796	VV	45838	403582	5.05%	0.306%
374	21.806	21.796	21.864	VV	43478	1456950	18.22%	1.103%
375	21.877	21.864	21.890	VV	33672	472045	5.90%	0.357%
376	21.903	21.890	21.917	VV	37464	491058	6.14%	0.372%
377	21.928	21.917	21.967	VV	33231	832226	10.41%	0.630%
378	21.977	21.967	21.993	VV	25680	308560	3.86%	0.234%
379	22.006	21.993	22.018	VV	19810	282187	3.53%	0.214%
380	22.041	22.018	22.049	VV	23726	382887	4.79%	0.290%
381	22.066	22.049	22.076	VV	24657	362957	4.54%	0.275%
382	22.087	22.076	22.098	VV	25358	301399	3.77%	0.228%
383	22.110	22.098	22.129	VV	28527	443529	5.55%	0.336%
384	22.140	22.129	22.151	VV	29337	345188	4.32%	0.261%
385	22.161	22.151	22.174	VV	28630	363108	4.54%	0.275%
386	22.190	22.174	22.233	VV	26592	802631	10.04%	0.608%
387	22.259	22.233	22.292	VV	22381	555156	6.94%	0.420%
388	22.308	22.292	22.337	VV	20229	420153	5.25%	0.318%
389	22.343	22.337	22.379	VV	15709	268507	3.36%	0.203%
390	22.386	22.379	22.397	VV	7434	52886	0.66%	0.040%
391	22.432	22.397	22.475	PV	7672	156795	1.96%	0.119%
392	22.490	22.475	22.501	PBA	5672	128859	1.61%	0.098%
Sum of corrected areas:						132057831		

FG080525.M Fri Sep 05 04:56:04 2025



CALIBRATION SUMMARY

TPH GC INITIAL CALIBRATION SUMMARY

Lab Name: Alliance

Contract: SCIA01

ProjectID: 4 Hampton Place, Nutley

Lab Code: ACE

SDG No.: Q3011

Calibration Sequence : FG080525		Test : TPH GC	
Concentration (PPM)	Area Count	Reference Factor	File ID
1700	159549953	93853	FG016345.D
850	82027875	96503	FG016346.D
340	33685502	99075	FG016347.D
170	17686270	104037	FG016348.D
85	8678686	102102	FG016349.D
AVG RF : 99114		% RSD : 4.15	AVG RT : 15.2092

TPH GC CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Alliane Contract: SCIA01
ProjectID: 4 Hampton Place, Nutley
Lab Code: ACE SDG No.: Q3011
DataFile: FG016539.D Analyst Name: YP\AJ Analyst Date: 09-04-2025

Conc. (PPM)	Area Count	RF	Average RF	%D
850	90021922	105908	99114	6.855

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG090425\
 Data File : FG016539.D
 Signal(s) : FID1A.ch
 Acq On : 04 Sep 2025 10:08
 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: Sample.e
 Quant Time: Sep 05 03:44:13 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG080525.M
 Quant Title :
 QLast Update : Thu Sep 04 10:24:25 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...	15.178	5538478	58.132 ug/mlm
Target Compounds			
1) N-OCTANE	2.103	5899087	55.589 ug/ml
2) N-DECANE	4.649	6218955	57.548 ug/ml
3) N-DODECANE	6.832	6295179	57.925 ug/ml
4) N-TETRADECANE	8.672	6382528	58.373 ug/ml
5) N-HEXADECANE	10.291	6345025	58.373 ug/ml
6) N-OCTADECANE	11.745	6468112	58.474 ug/ml
7) N-EICOSANE	13.064	6597392	58.371 ug/ml
8) N-DOCOSANE	14.272	6389370	58.159 ug/ml
10) N-TETRACOSANE	15.383	6372084	58.154 ug/ml
11) N-HEXACOSANE	16.411	6170163	57.693 ug/ml
12) N-OCTACOSANE	17.368	6207306	57.618 ug/ml
13) N-TRIACONTANE	18.261	6226567	57.146 ug/ml
14) N-DOTRIACONTANE	19.099	6027378	57.223 ug/ml
15) N-TETRATRIACONTANE	19.887	5391143	56.578 ug/ml
16) N-HEXATRIACONTANE	20.631	4392947	58.792 ug/mlm
17) N-OCTATRIACONTANE	21.413	3590038	59.876 ug/mlm
18) N-TETRACONTANE	22.408	3031633	72.127 ug/ml

(f)=RT Delta > 1/2 Window

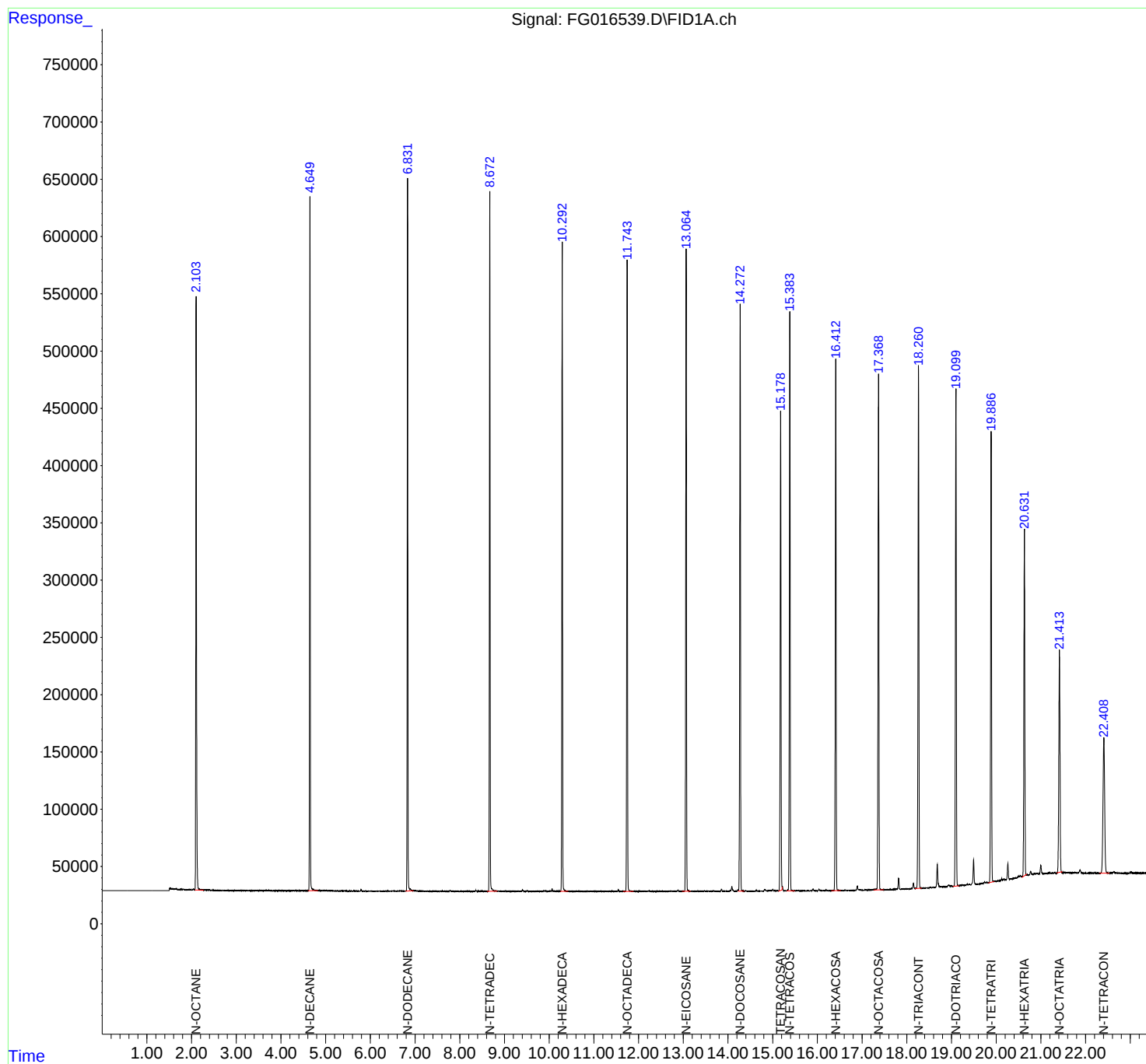
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG090425\
Data File : FG016539.D
Signal(s) : FID1A.ch
Acq On : 04 Sep 2025 10:08
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: Sample.e
Quant Time: Sep 05 03:44:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG080525.M
Quant Title :
QLast Update : Thu Sep 04 10:24:25 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\FG090425\
Data File : FG016539.D
Signal(s) : FID1A.ch
Acq On : 04 Sep 2025 10:08
Sample : 50 PPM TRPH STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG080525.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.103	2.072	2.275	PB	515833	5899087	89.42%	5.692%
2	4.649	4.608	4.828	BB	603761	6218955	94.26%	6.001%
3	6.832	6.788	6.965	BV	620616	6295179	95.42%	6.074%
4	8.672	8.608	8.842	BB	604784	6382528	96.74%	6.159%
5	10.291	10.245	10.425	PB	568945	6345025	96.17%	6.122%
6	11.745	11.652	11.888	BB	554410	6468112	98.04%	6.241%
7	13.064	12.972	13.165	BB	558363	6597392	100.00%	6.366%
8	14.272	14.233	14.365	VV	510039	6389370	96.85%	6.165%
9	15.178	15.135	15.252	PV	418279	5596449	84.83%	5.400%
10	15.383	15.312	15.495	BB	502417	6372084	96.58%	6.148%
11	16.411	16.312	16.525	BB	463382	6170163	93.52%	5.954%
12	17.368	17.265	17.482	VB	450450	6207306	94.09%	5.989%
13	18.261	18.178	18.335	PV	456139	6226567	94.38%	6.008%
14	19.099	19.032	19.172	BV	428559	6027378	91.36%	5.816%
15	19.887	19.828	19.952	BV	388005	5391143	81.72%	5.202%
16	20.631	20.588	20.672	M	302892	4390977	66.56%	4.237%
17	21.413	21.357	21.486	M	195014	3627691	54.99%	3.500%
18	22.408	22.308	22.535	BV	118450	3031633	45.95%	2.925%
Sum of corrected areas:						103637038		

FG080525.M Fri Sep 05 04:25:46 2025

TPH GC CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Alliane Contract: SCIA01
ProjectID: 4 Hampton Place, Nutley
Lab Code: ACE SDG No.: Q3011
DataFile: FG016546.D Analyst Name: YP\AJ Analyst Date: 09-04-2025

Conc. (PPM)	Area Count	RF	Average RF	%D
850	77067593	90668	99114	8.522

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG090425\
 Data File : FG016546.D
 Signal(s) : FID1A.ch
 Acq On : 04 Sep 2025 14:46
 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: Sample.e
 Quant Time: Sep 05 03:46:51 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG080525.M
 Quant Title :
 QLast Update : Thu Sep 04 10:24:25 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...	15.183	4546058	47.716 ug/ml
Target Compounds			
1) N-OCTANE	2.104	4846312	45.669 ug/ml
2) N-DECANE	4.651	5109337	47.280 ug/ml
3) N-DODECANE	6.834	5193604	47.789 ug/ml
4) N-TETRADECANE	8.676	5252447	48.038 ug/ml
5) N-HEXADECANE	10.295	5235118	48.162 ug/ml
6) N-OCTADECANE	11.749	5328505	48.171 ug/ml
7) N-EICOSANE	13.069	5434403	48.081 ug/ml
8) N-DOCOSANE	14.277	5252949	47.815 ug/ml
10) N-TETRACOSANE	15.389	5213020	47.576 ug/ml
11) N-HEXACOSANE	16.417	5029372	47.026 ug/ml
12) N-OCTACOSANE	17.373	5106454	47.399 ug/ml
13) N-TRIACONTANE	18.268	5025986	46.127 ug/ml
14) N-DOTRIACONTANE	19.106	4999363	47.463 ug/ml
15) N-TETRATRIACONTANE	19.896	4408221	46.263 ug/ml
16) N-HEXATRIACONTANE	20.638	3622873	48.486 ug/mlm
17) N-OCTATRIACONTANE	21.424	3028338	50.508 ug/mlm
18) N-TETRACONTANE	22.424	2765538	65.796 ug/mlm

(f)=RT Delta > 1/2 Window

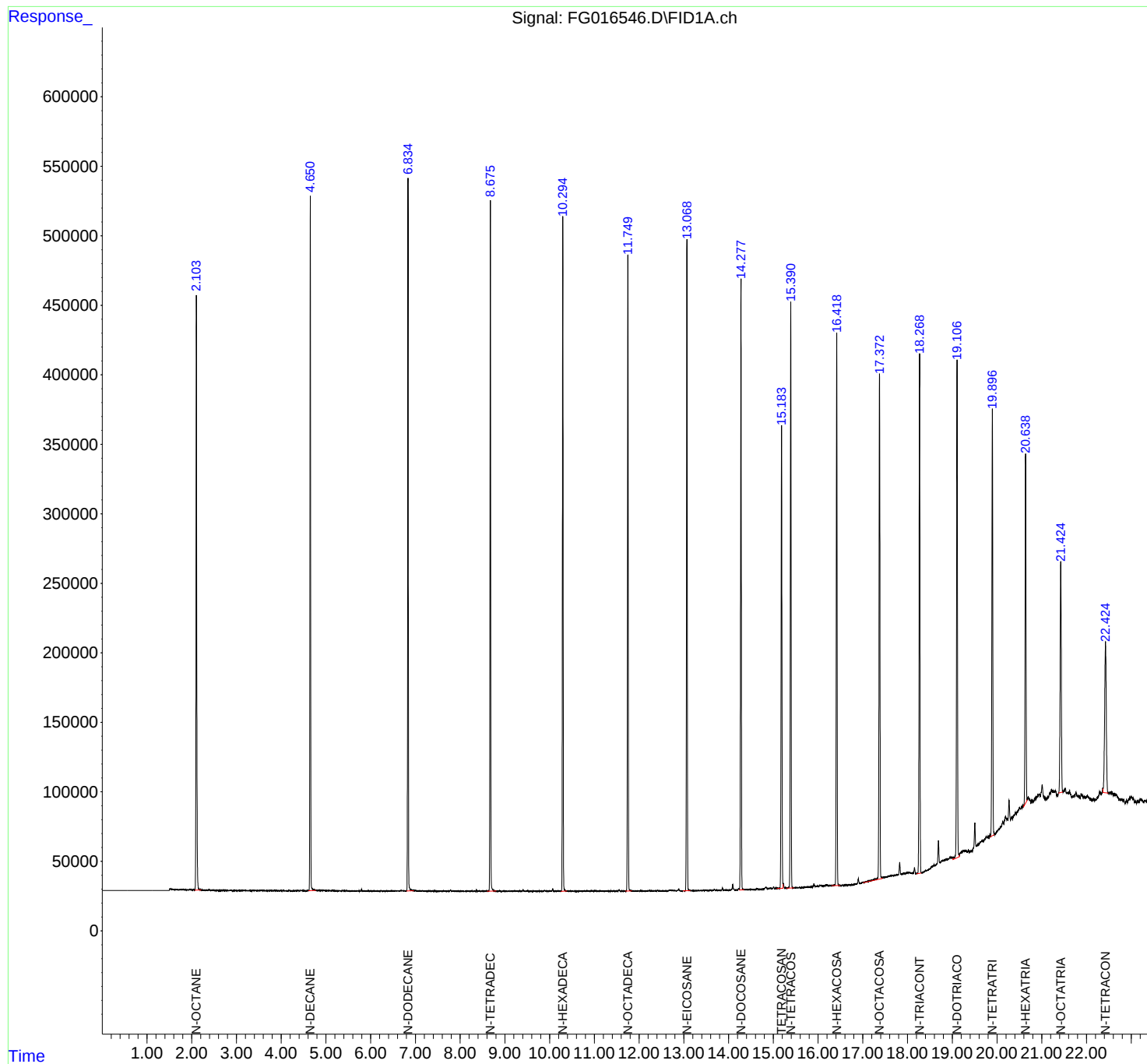
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG090425\
Data File : FG016546.D
Signal(s) : FID1A.ch
Acq On : 04 Sep 2025 14:46
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: Sample.e
Quant Time: Sep 05 03:46:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG080525.M
Quant Title :
QLast Update : Thu Sep 04 10:24:25 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\FG090425\
Data File : FG016546.D
Signal(s) : FID1A.ch
Acq On : 04 Sep 2025 14:46
Sample : 50 PPM TRPH STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG080525.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.104	2.063	2.214	PB	427939	4846312	89.18%	5.656%
2	4.651	4.607	4.779	BB	499201	5109337	94.02%	5.963%
3	6.834	6.799	6.969	BB	511496	5193604	95.57%	6.062%
4	8.676	8.599	8.804	BB	496979	5252447	96.65%	6.130%
5	10.295	10.257	10.389	BB	483874	5235118	96.33%	6.110%
6	11.749	11.696	11.839	BB	457334	5328505	98.05%	6.219%
7	13.069	12.981	13.149	BB	468378	5434403	100.00%	6.343%
8	14.277	14.241	14.351	VB	438458	5252949	96.66%	6.131%
9	15.183	15.079	15.216	BV	332166	4546058	83.65%	5.306%
10	15.389	15.291	15.459	BV	418290	5213020	95.93%	6.084%
11	16.417	16.297	16.497	BB	394088	5029372	92.55%	5.870%
12	17.373	17.002	17.432	PV	360419	5106454	93.97%	5.960%
13	18.268	18.206	18.309	BV	371172	5025986	92.48%	5.866%
14	19.106	19.014	19.159	VV	356257	4999363	91.99%	5.835%
15	19.896	19.853	19.943	VV	306447	4408221	81.12%	5.145%
16	20.638	20.600	20.669	M	250608	3590452	66.07%	4.191%
17	21.424	21.377	21.463	M	166077	3018488	55.54%	3.523%
18	22.425	22.333	22.482	VV	111810	3088929	56.84%	3.605%
Sum of corrected areas:							85679018	

FG080525.M Fri Sep 05 04:29:34 2025

TPH GC CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Alliane Contract: SCIA01
ProjectID: 4 Hampton Place, Nutley
Lab Code: ACE SDG No.: Q3011
DataFile: FG016552.D Analyst Name: YP\AJ Analyst Date: 09-04-2025

Conc. (PPM)	Area Count	RF	Average RF	%D
850	77066757	90667	99114	8.523

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG090425\
 Data File : FG016552.D
 Signal(s) : FID1A.ch
 Acq On : 04 Sep 2025 18:14
 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: Sample.e
 Quant Time: Sep 05 03:49:10 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG080525.M
 Quant Title :
 QLast Update : Thu Sep 04 10:24:25 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...	15.191	4219857	44.292 ug/ml
Target Compounds			
1) N-OCTANE	2.106	4640132	43.726 ug/ml
2) N-DECANE	4.655	4905086	45.390 ug/ml
3) N-DODECANE	6.839	4981228	45.835 ug/ml
4) N-TETRADECANE	8.681	5035221	46.051 ug/ml
5) N-HEXADECANE	10.300	4986931	45.879 ug/ml
6) N-OCTADECANE	11.755	5046456	45.622 ug/ml
7) N-EICOSANE	13.075	5108284	45.196 ug/ml
8) N-DOCOSANE	14.284	4899413	44.597 ug/ml
10) N-TETRACOSANE	15.396	4830620	44.086 ug/ml
11) N-HEXACOSANE	16.426	4624981	43.245 ug/mlm
12) N-OCTACOSANE	17.382	4627541	42.954 ug/mlm
13) N-TRIACONTANE	18.276	4725021	43.365 ug/ml
14) N-DOTRIACONTANE	19.113	4572631	43.412 ug/mlm
15) N-TETRATRIACONTANE	19.904	4315532	45.290 ug/ml
16) N-HEXATRIACONTANE	20.648	3495408	46.780 ug/mlm
17) N-OCTATRIACONTANE	21.436	3326952	55.488 ug/mlm
18) N-TETRACONTANE	22.441	2945320	70.073 ug/mlm

(f)=RT Delta > 1/2 Window

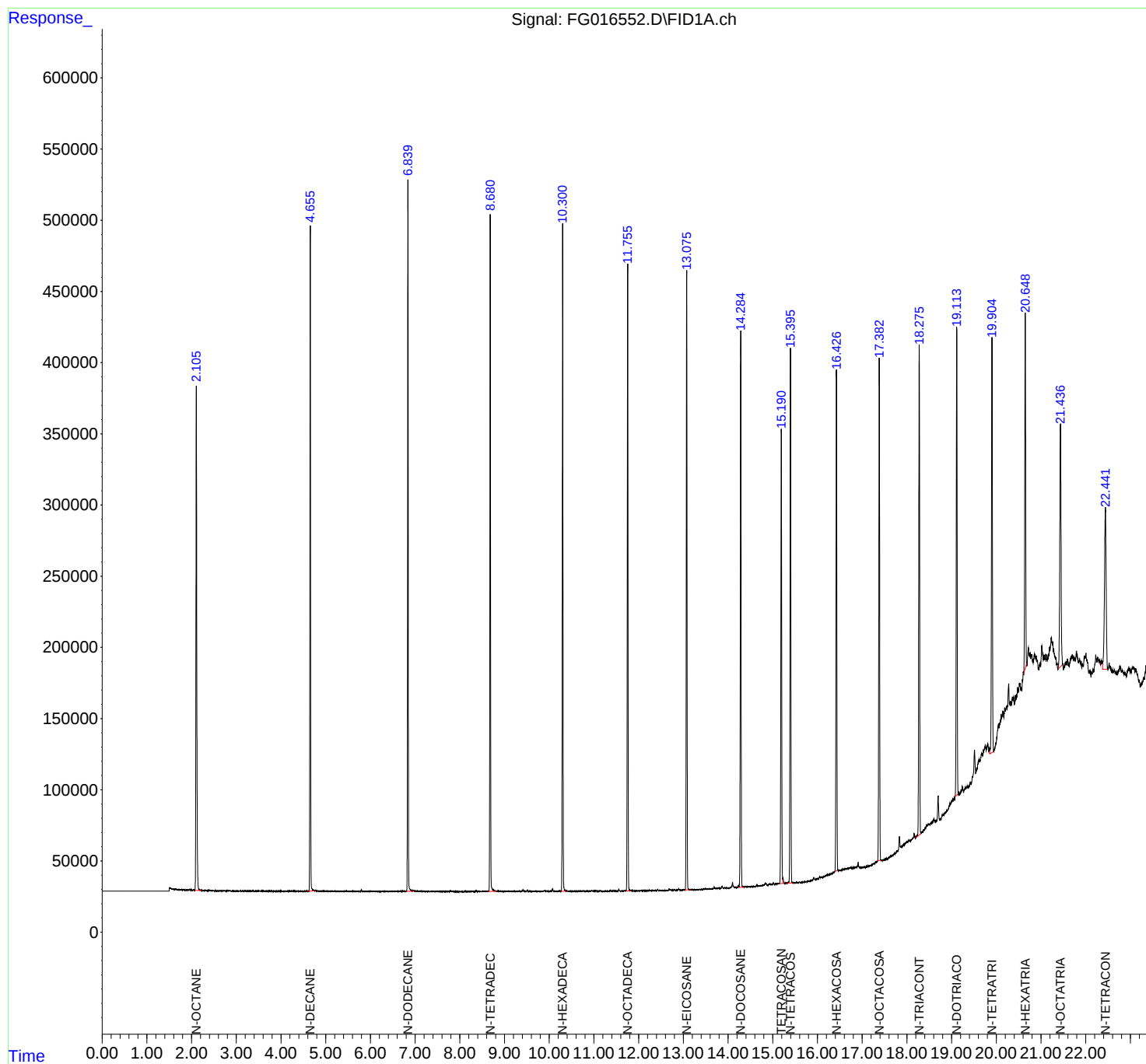
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG090425\
Data File : FG016552.D
Signal(s) : FID1A.ch
Acq On : 04 Sep 2025 18:14
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: Sample.e
Quant Time: Sep 05 03:49:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG080525.M
Quant Title :
QLast Update : Thu Sep 04 10:24:25 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\FG090425\
Data File : FG016552.D
Signal(s) : FID1A.ch
Acq On : 04 Sep 2025 18:14
Sample : 50 PPM TRPH STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG080525.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.106	2.069	2.227	PB	354381	4640132	90.84%	5.654%
2	4.655	4.577	4.770	BB	468171	4905086	96.02%	5.977%
3	6.839	6.794	6.979	BB	498916	4981228	97.51%	6.070%
4	8.681	8.619	8.829	BB	474033	5035221	98.57%	6.135%
5	10.300	10.262	10.400	BB	466409	4986931	97.62%	6.077%
6	11.755	11.717	11.829	BV	441201	5046456	98.79%	6.149%
7	13.075	13.029	13.159	BB	435047	5108284	100.00%	6.225%
8	14.284	14.248	14.369	VB	390206	4899413	95.91%	5.970%
9	15.191	15.143	15.222	PV	319129	4219857	82.61%	5.142%
10	15.396	15.302	15.455	BB	375092	4830620	94.56%	5.886%
11	16.425	16.234	16.484	VV	351174	4879301	95.52%	5.946%
12	17.382	17.015	17.435	PV	349250	4619722	90.44%	5.629%
13	18.276	18.187	18.309	PV	342690	4725021	92.50%	5.758%
14	19.115	19.066	19.160	VV	332139	4825347	94.46%	5.880%
15	19.904	19.854	19.942	VV	291112	4315532	84.48%	5.259%
16	20.648	20.614	20.676	M	250420	3508963	68.69%	4.276%
17	21.436	21.379	21.494	M	170858	3350558	65.59%	4.083%
18	22.440	22.375	22.489	VV	116887	3189359	62.44%	3.886%
Sum of corrected areas:						82067032		

FG080525.M Fri Sep 05 04:49:02 2025

Analytical Sequence

Client: Sciacca General Contractors, LLC

SDG No.: Q3011

Project: 4 Hampton Place, Nutley

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 15.2092					
CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE AND TIME ANALYZED	DATAFILE	RT	#
PIBLK01	LBLK01	04 Sep 2025 09:39	FG016538.D	15.176	
50 PPM TRPH STD	50 PPM TRPH STD	04 Sep 2025 10:08	FG016539.D	15.178	
WASTE	Q3011-01	04 Sep 2025 12:18	FG016542.D	15.136	
PIBLK02	LBLK02	04 Sep 2025 14:16	FG016545.D	15.182	
50 PPM TRPH STD	50 PPM TRPH STD	04 Sep 2025 14:46	FG016546.D	15.183	
PB169544BL	PB169544BL	04 Sep 2025 15:16	FG016547.D	15.181	
PB169544BS	PB169544BS	04 Sep 2025 15:45	FG016548.D	15.180	
AU-05-082925MS	Q2998-01MS	04 Sep 2025 16:15	FG016549.D	15.136	
AU-05-082925MSD	Q2998-01MSD	04 Sep 2025 16:45	FG016550.D	15.156	
PIBLK03	LBLK03	04 Sep 2025 17:15	FG016551.D	15.191	
50 PPM TRPH STD	50 PPM TRPH STD	04 Sep 2025 18:14	FG016552.D	15.191	



QC SAMPLE DATA

Report of Analysis

Client:	Sciaccia General Contractors, LLC	Date Collected:	
Project:	4 Hampton Place, Nutley	Date Received:	
Client Sample ID:	PB169544BL	SDG No.:	Q3011
Lab Sample ID:	PB169544BL	Matrix:	SOIL
Analytical Method:	8015D TPH	% Solid:	100
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Final Vol:	1
GPC Factor :		Test:	TPH GC
Prep Method :	SW3541	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG016547.D	1	09/04/25 08:45	09/04/25 15:16	PB169544

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
PHC	Petroleum Hydrocarbons	384	U	384	2830	ug/kg
SURROGATES						
16416-32-3	TETRACOSANE-d50	20.2		37 - 130	101%	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\FG090425\
Data File : FG016547.D
Signal(s) : FID1A.ch
Acq On : 04 Sep 2025 15:16
Operator : YP\AJ
Sample : PB169544BL
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PB169544BL

Integration File: Sample.e
Quant Time: Sep 05 03:47:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG080525.M
Quant Title :
QLast Update : Thu Sep 04 10:24:25 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...	15.181	1921104	20.164 ug/ml

Target Compounds

(f)=RT Delta > 1/2 Window

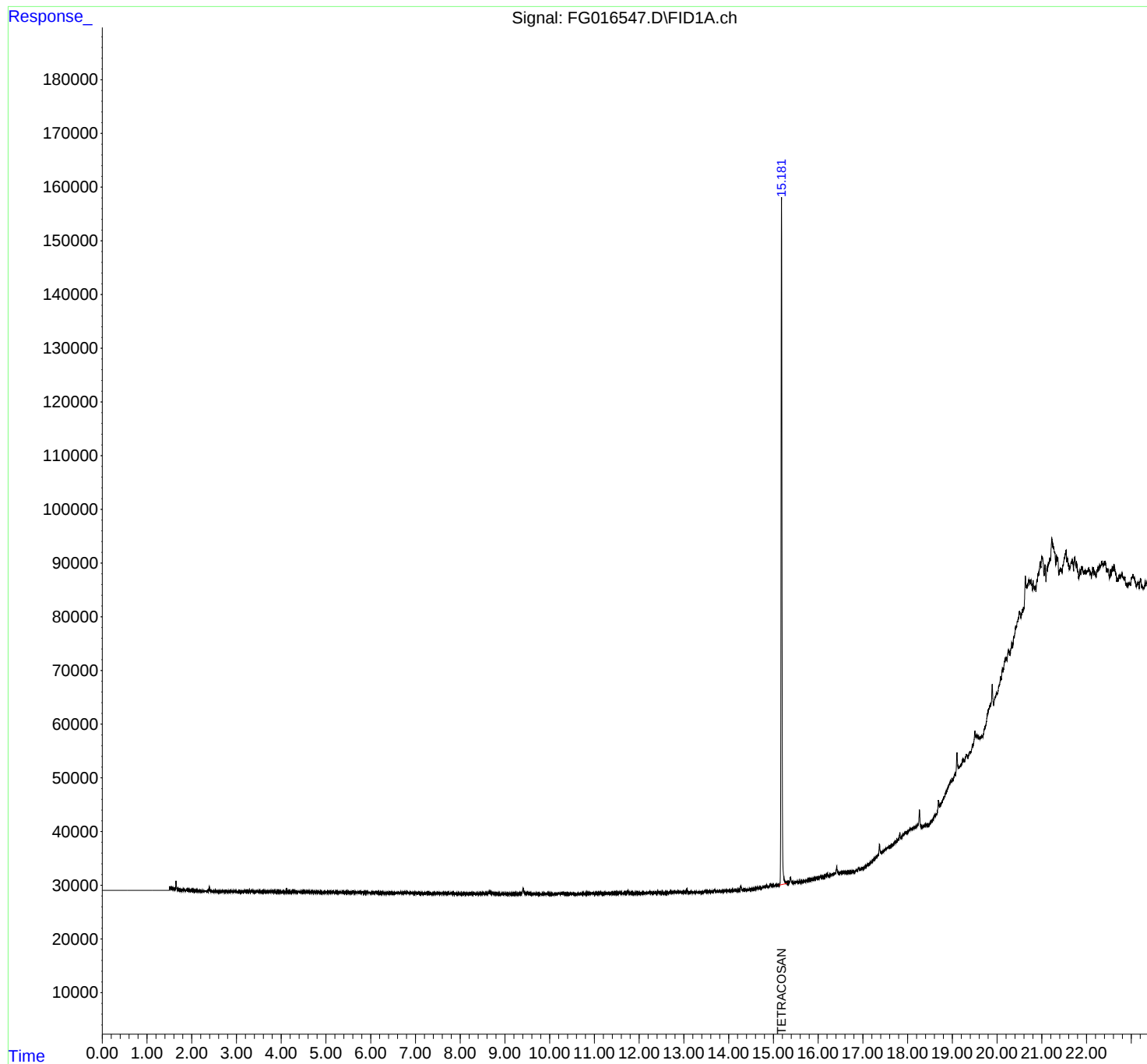
(m)=manual int.

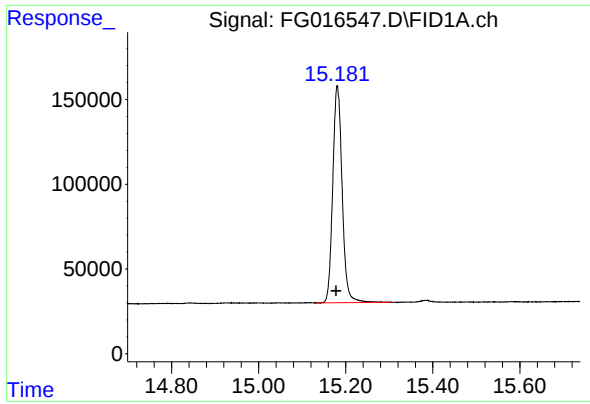
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG090425\
Data File : FG016547.D
Signal(s) : FID1A.ch
Acq On : 04 Sep 2025 15:16
Operator : YP\AJ
Sample : PB169544BL
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PB169544BL

Integration File: Sample.e
Quant Time: Sep 05 03:47:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG080525.M
Quant Title :
QLast Update : Thu Sep 04 10:24:25 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.: 15.181 min
Delta R.T.: 0.003 min
Response: 1921104
Conc: 20.16 ug/ml

Instrument :
FID_G
ClientSampleId :
PB169544BL

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG090425\
Data File : FG016547.D
Signal(s) : FID1A.ch
Acq On : 04 Sep 2025 15:16
Sample : PB169544BL
Misc :
ALS Vial : 45 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG080525.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	15.181	15.132	15.305	BB	128001	1921104	100.00%	100.000%
Sum of corrected areas:						1921104		

FG080525.M Fri Sep 05 04:37:58 2025

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	09/04/25
Project:	4 Hampton Place, Nutley	Date Received:	09/04/25
Client Sample ID:	PIBLK-FG016538.D	SDG No.:	Q3011
Lab Sample ID:	I.BLK-FG016538.D	Matrix:	Water
Analytical Method:	8015D TPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	1 mL
Extraction Type:		Test:	TPH GC
GPC Factor :	PH :	Injection Volume :	
Prep Method :	SW3510		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG016538.D	1		09/04/25	FG090425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
PHC	Petroleum Hydrocarbons	12.0	U	12.0	85.0	ug/L
SURROGATES						
16416-32-3	TETRACOSANE-d50	20.9		29 - 130	104%	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\FG090425\
Data File : FG016538.D
Signal(s) : FID1A.ch
Acq On : 04 Sep 2025 09:39
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
I.BLK

Integration File: Sample.e
Quant Time: Sep 05 03:43:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG080525.M
Quant Title :
QLast Update : Thu Sep 04 10:24:25 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...	15.176	1943348	20.397 ug/mlm

Target Compounds

(f)=RT Delta > 1/2 Window

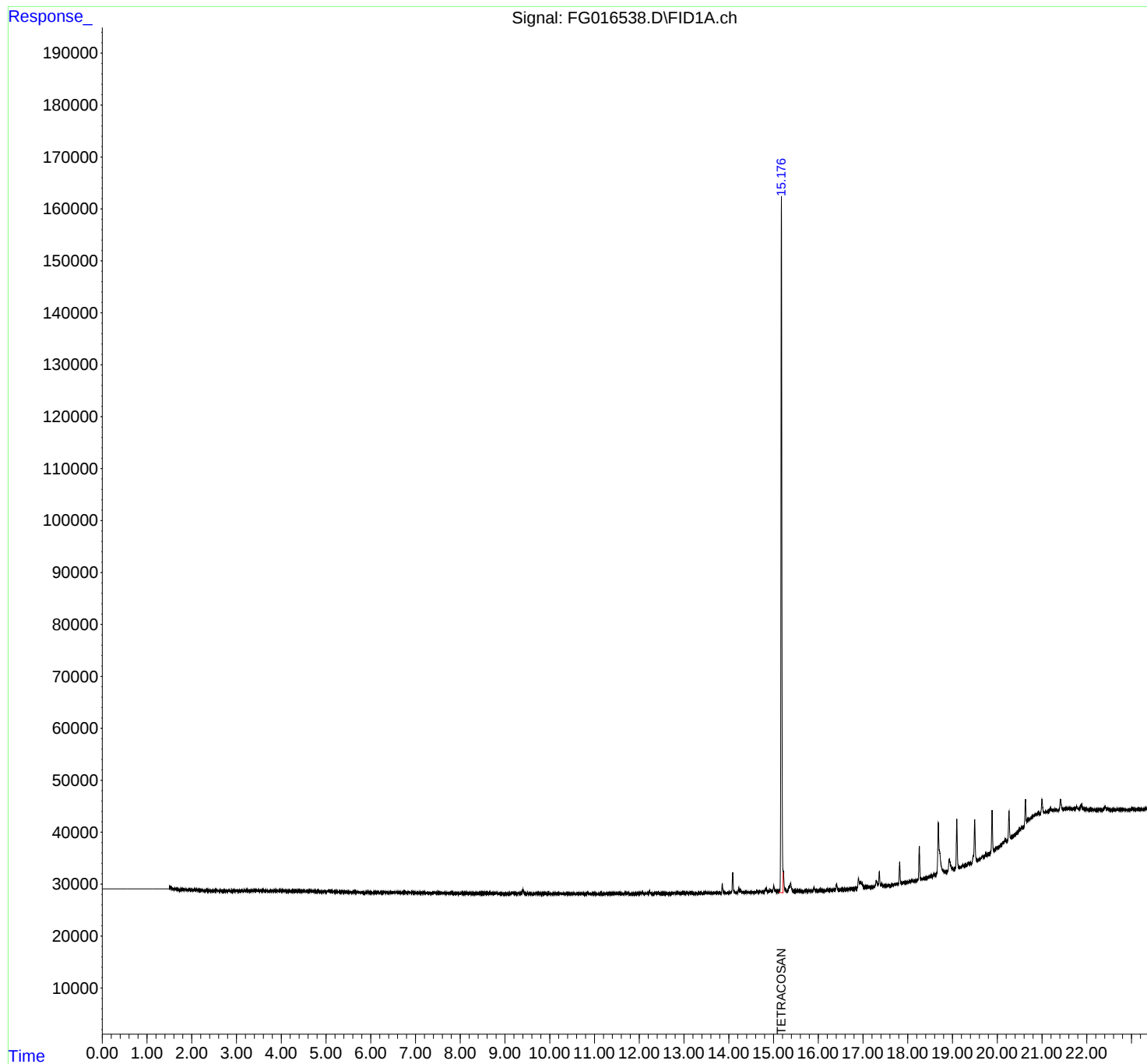
(m)=manual int.

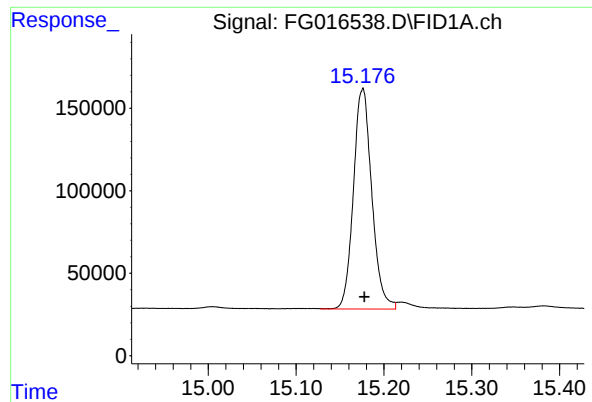
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG090425\
Data File : FG016538.D
Signal(s) : FID1A.ch
Acq On : 04 Sep 2025 09:39
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
I.BLK

Integration File: Sample.e
Quant Time: Sep 05 03:43:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG080525.M
Quant Title :
QLast Update : Thu Sep 04 10:24:25 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.: 15.176 min
Delta R.T.: -0.002 min
Response: 1943348
Conc: 20.40 ug/ml

Instrument :
FID_G
ClientSampleId :
I.BLK

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG090425\
Data File : FG016538.D
Signal(s) : FID1A.ch
Acq On : 04 Sep 2025 09:39
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG080525.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	15.176	15.070	15.290	BB	132967	1986741	100.00%	100.000%
Sum of corrected areas:						1986741		

FG080525.M Fri Sep 05 04:23:51 2025

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	09/04/25
Project:	4 Hampton Place, Nutley	Date Received:	09/04/25
Client Sample ID:	PIBLK-FG016545.D	SDG No.:	Q3011
Lab Sample ID:	I.BLK-FG016545.D	Matrix:	Water
Analytical Method:	8015D TPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	1 mL
Extraction Type:		Test:	TPH GC
GPC Factor :	PH :	Injection Volume :	
Prep Method :	SW3510		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG016545.D	1		09/04/25	FG090425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
PHC	Petroleum Hydrocarbons	12.0	U	12.0	85.0	ug/L
SURROGATES						
16416-32-3	TETRACOSANE-d50	20.7		29 - 130	103%	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\FG090425\
Data File : FG016545.D
Signal(s) : FID1A.ch
Acq On : 04 Sep 2025 14:16
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
I.BLK

Integration File: Sample.e
Quant Time: Sep 05 03:46:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG080525.M
Quant Title :
QLast Update : Thu Sep 04 10:24:25 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...	15.182	1971186	20.690 ug/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

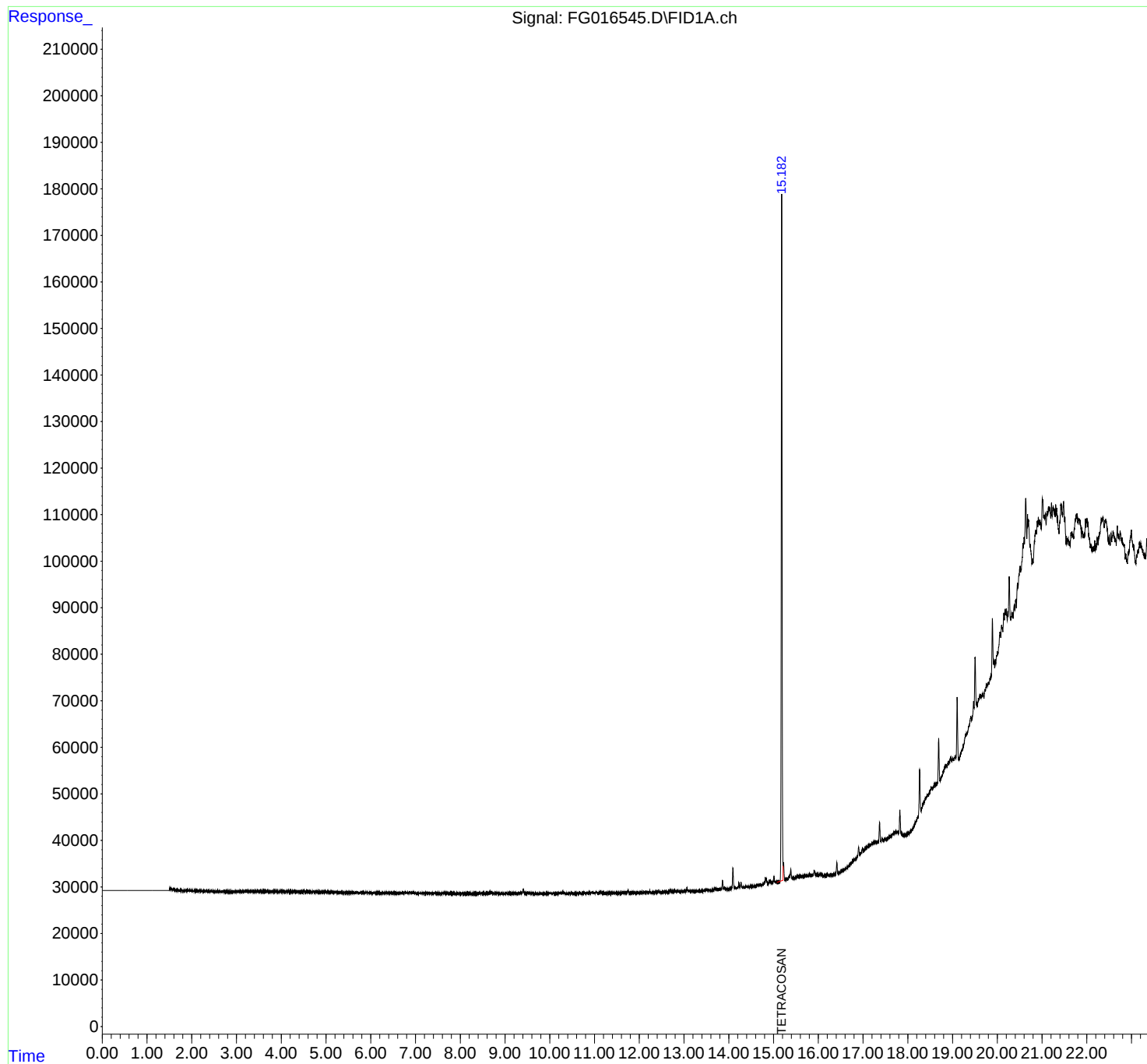
(m)=manual int.

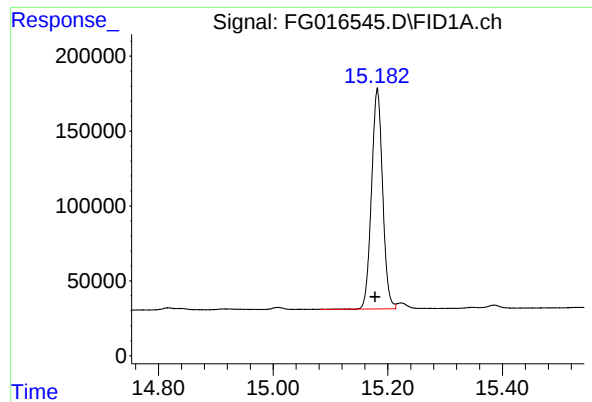
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG090425\
Data File : FG016545.D
Signal(s) : FID1A.ch
Acq On : 04 Sep 2025 14:16
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
I.BLK

Integration File: Sample.e
Quant Time: Sep 05 03:46:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG080525.M
Quant Title :
QLast Update : Thu Sep 04 10:24:25 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.: 15.182 min
Delta R.T.: 0.004 min
Response: 1971186
Conc: 20.69 ug/ml

Instrument :
FID_G
ClientSampleId :
I.BLK

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG090425\
Data File : FG016545.D
Signal(s) : FID1A.ch
Acq On : 04 Sep 2025 14:16
Sample : I.BLK
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG080525.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	15.182	15.082	15.214	BV	147457	1971186	100.00%	100.000%
Sum of corrected areas:						1971186		

FG080525.M Fri Sep 05 04:27:09 2025

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	09/04/25
Project:	4 Hampton Place, Nutley	Date Received:	09/04/25
Client Sample ID:	PIBLK-FG016551.D	SDG No.:	Q3011
Lab Sample ID:	I.BLK-FG016551.D	Matrix:	Water
Analytical Method:	8015D TPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	1 mL
Extraction Type:		Test:	TPH GC
GPC Factor :	PH :	Injection Volume :	
Prep Method :	SW3510		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG016551.D	1		09/04/25	FG090425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
PHC	Petroleum Hydrocarbons	12.0	U	12.0	85.0	ug/L
SURROGATES						
16416-32-3	TETRACOSANE-d50	19.4		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\FG090425\
Data File : FG016551.D
Signal(s) : FID1A.ch
Acq On : 04 Sep 2025 17:15
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
I.BLK

Integration File: Sample.e
Quant Time: Sep 05 03:48:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG080525.M
Quant Title :
QLast Update : Thu Sep 04 10:24:25 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...	15.191	1853435	19.454 ug/mlm

Target Compounds

(f)=RT Delta > 1/2 Window

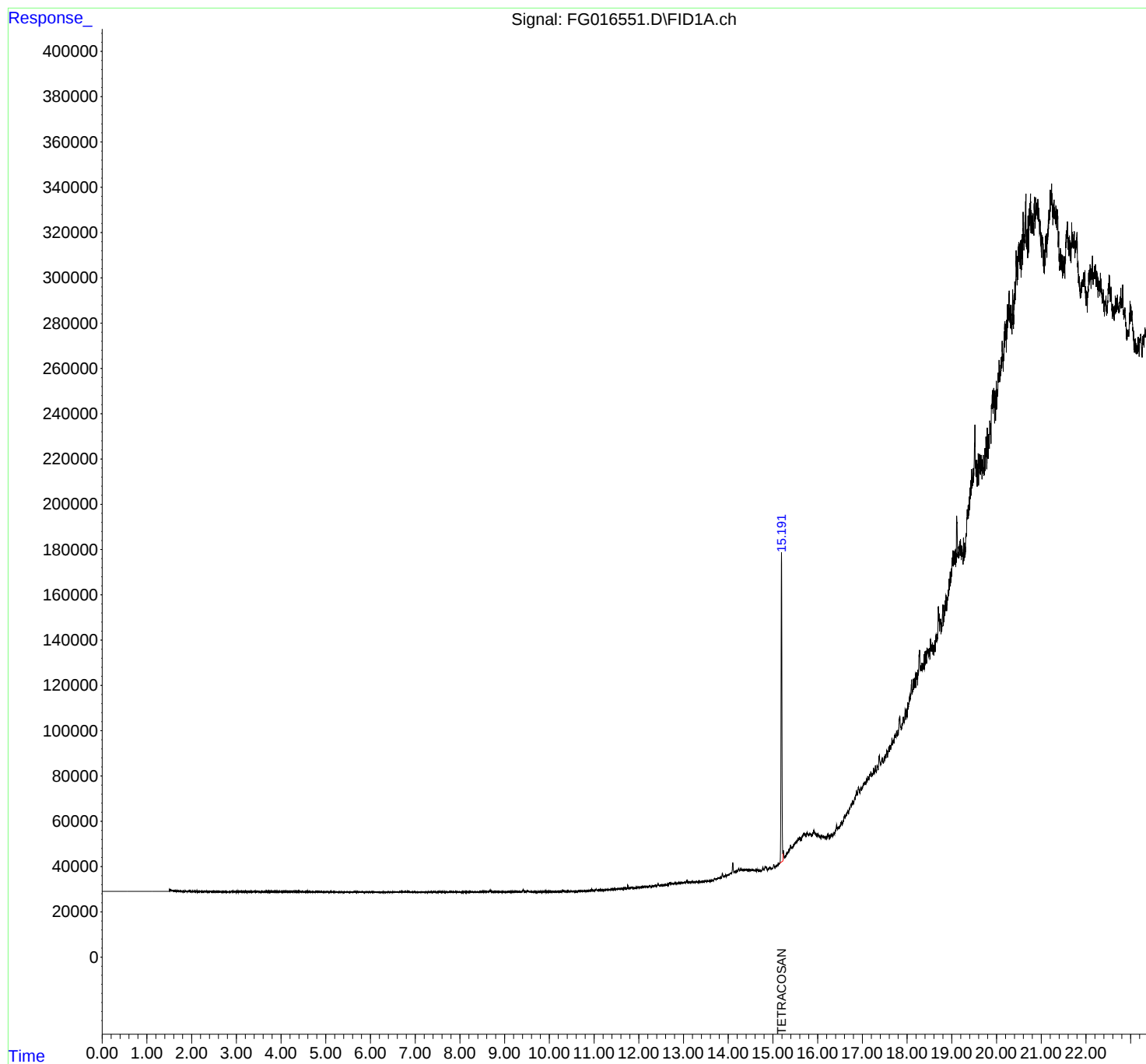
(m)=manual int.

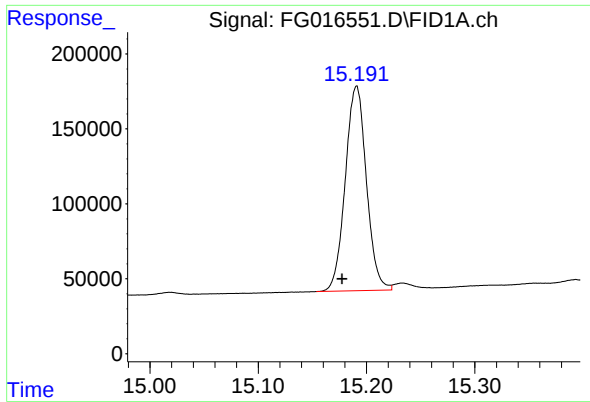
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG090425\
Data File : FG016551.D
Signal(s) : FID1A.ch
Acq On : 04 Sep 2025 17:15
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
I.BLK

Integration File: Sample.e
Quant Time: Sep 05 03:48:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG080525.M
Quant Title :
QLast Update : Thu Sep 04 10:24:25 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.: 15.191 min
Delta R.T.: 0.013 min
Response: 1853435
Conc: 19.45 ug/ml

Instrument :
FID_G
ClientSampleId :
I.BLK

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG090425\
Data File : FG016551.D
Signal(s) : FID1A.ch
Acq On : 04 Sep 2025 17:15
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG080525.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	15.191	15.038	15.222	PV	135971	1810765	100.00%	100.000%
Sum of corrected areas:						1810765		

FG080525.M Fri Sep 05 04:40:29 2025

Report of Analysis

Client:	Sciacca General Contractors, LLC		Date Collected:		
Project:	4 Hampton Place, Nutley		Date Received:		
Client Sample ID:	PB169544BS		SDG No.:	Q3011	
Lab Sample ID:	PB169544BS		Matrix:	SOIL	
Analytical Method:	8015D TPH		% Solid:	100	Decanted:
Sample Wt/Vol:	30.02	Units: g	Final Vol:	1	mL
Soil Aliquot Vol:		uL	Test:	TPH GC	
Extraction Type:			Injection Volume :		
GPC Factor :		PH :			
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG016548.D	1	09/04/25 08:45	09/04/25 15:45	PB169544

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
PHC	Petroleum Hydrocarbons	9720		384	2830	ug/kg
SURROGATES						
16416-32-3	TETRACOSANE-d50	17.0		37 - 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\FG090425\
 Data File : FG016548.D
 Signal(s) : FID1A.ch
 Acq On : 04 Sep 2025 15:45
 Operator : YP\AJ
 Sample : PB169544BS
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 PB169544BS

Integration File: Sample.e
 Quant Time: Sep 05 03:47:39 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG080525.M
 Quant Title :
 QLast Update : Thu Sep 04 10:24:25 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...	15.180	1622321	17.028 ug/ml
Target Compounds			
1) N-OCTANE	2.105	1446878	13.634 ug/ml
2) N-DECANE	4.650	1728764	15.997 ug/ml
3) N-DODECANE	6.832	1765690	16.247 ug/ml
4) N-TETRADECANE	8.673	1795218	16.419 ug/ml
5) N-HEXADECANE	10.292	1810169	16.653 ug/ml
6) N-OCTADECANE	11.746	1853456	16.756 ug/ml
7) N-EICOSANE	13.066	1905011	16.855 ug/ml
8) N-DOCOSANE	14.274	1848063	16.822 ug/ml
10) N-TETRACOSANE	15.386	1836529	16.761 ug/ml
11) N-HEXACOSANE	16.415	1785995	16.700 ug/ml
12) N-OCTACOSANE	17.371	1786864	16.586 ug/ml
13) N-TRIACONTANE	18.265	1911506	17.543 ug/mlm
14) N-DOTRIACONTANE	19.102	1911670	18.149 ug/mlm
15) N-TETRATRIACONTANE	19.891	1655793	17.377 ug/ml
16) N-HEXATRIACONTANE	20.636	1393729	18.653 ug/mlm
17) N-OCTATRIACONTANE	21.424	1207219	20.134 ug/mlm
18) N-TETRACONTANE	22.418	1166296	27.748 ug/ml

(f)=RT Delta > 1/2 Window

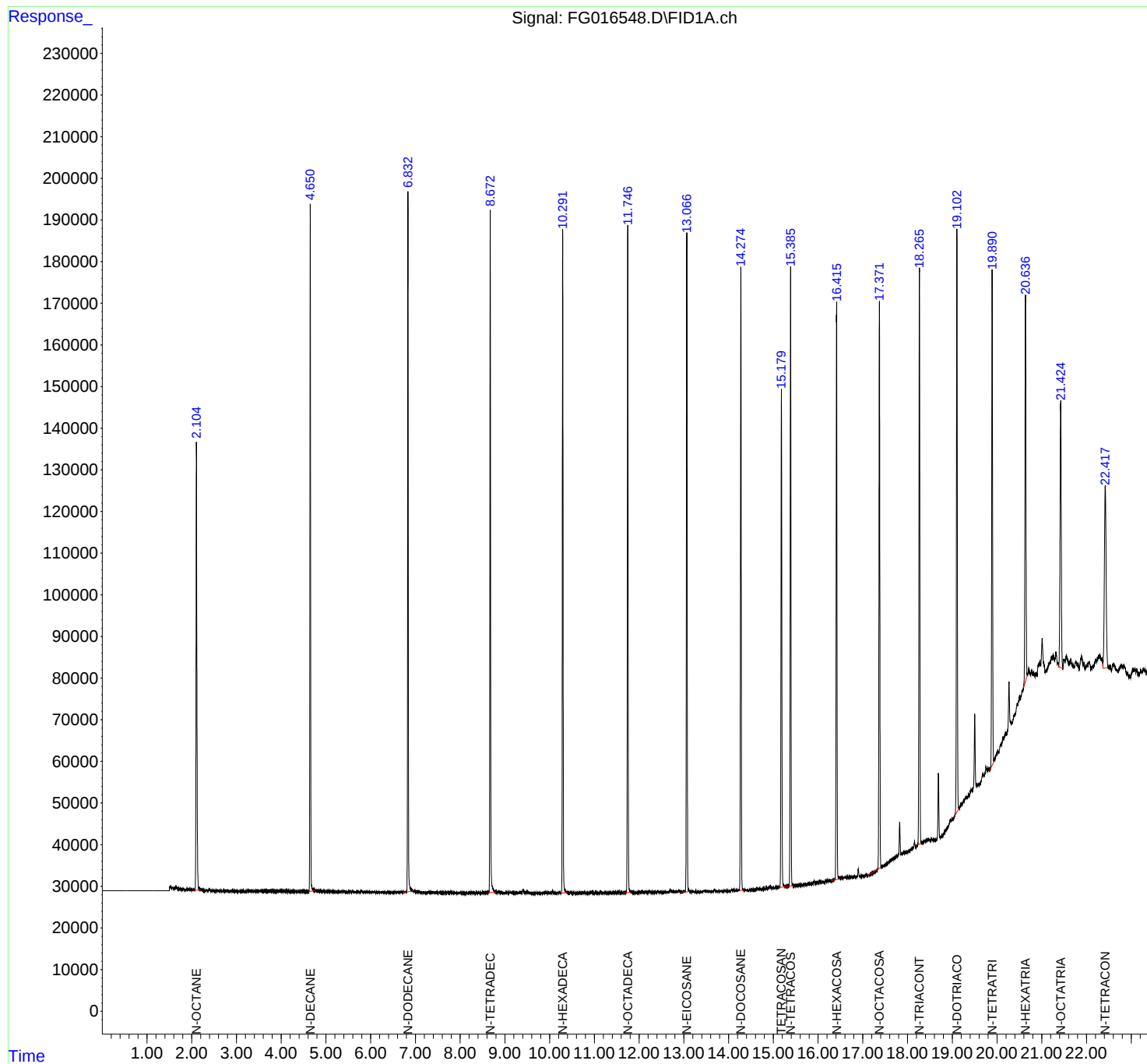
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG090425\
Data File : FG016548.D
Signal(s) : FID1A.ch
Acq On : 04 Sep 2025 15:45
Operator : YP\AJ
Sample : PB169544BS
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PB169544BS

Integration File: Sample.e
Quant Time: Sep 05 03:47:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG080525.M
Quant Title :
QLast Update : Thu Sep 04 10:24:25 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\FG090425\
Data File : FG016548.D
Signal(s) : FID1A.ch
Acq On : 04 Sep 2025 15:45
Sample : PB169544BS
Misc :
ALS Vial : 46 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG080525.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.105	2.029	2.207	BB	107685	1446878	72.92%	4.739%
2	4.650	4.614	4.744	BB	165103	1728764	87.13%	5.662%
3	6.832	6.729	6.942	BB	168376	1765690	88.99%	5.783%
4	8.673	8.621	8.802	BB	163524	1795218	90.48%	5.880%
5	10.292	10.249	10.402	BB	158587	1810169	91.23%	5.929%
6	11.746	11.637	11.822	BB	159274	1853456	93.41%	6.071%
7	13.066	12.964	13.141	BB	157838	1905011	96.01%	6.240%
8	14.274	14.241	14.356	BV	148957	1848063	93.14%	6.053%
9	15.180	15.124	15.256	BV	118015	1622321	81.76%	5.314%
10	15.386	15.256	15.446	VB	148324	1836529	92.56%	6.015%
11	16.415	16.294	16.484	BB	135947	1785995	90.01%	5.850%
12	17.371	17.114	17.410	BB	135117	1786864	90.06%	5.853%
13	18.264	18.182	18.308	VV	139146	1984189	100.00%	6.499%
14	19.103	18.975	19.149	VV	139952	1939283	97.74%	6.352%
15	19.891	19.842	19.926	BV	118301	1655793	83.45%	5.423%
16	20.636	20.593	20.675	M	92753	1388998	70.00%	4.550%
17	21.424	21.381	21.475	M	64194	1210864	61.03%	3.966%
18	22.418	22.369	22.479	VV	43743	1166296	58.78%	3.820%
Sum of corrected areas:							30530378	

FG080525.M Fri Sep 05 04:39:51 2025

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	08/29/25
Project:	4 Hampton Place, Nutley	Date Received:	08/29/25
Client Sample ID:	AU-05-082925MS	SDG No.:	Q3011
Lab Sample ID:	Q2998-01MS	Matrix:	SOIL
Analytical Method:	8015D TPH	% Solid:	94.5
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Final Vol:	1
GPC Factor :		Test:	TPH GC
Prep Method :	SW3541	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG016549.D	1	09/04/25 08:45	09/04/25 16:15	PB169544

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
PHC	Petroleum Hydrocarbons	128000	E	405	2990	ug/kg
SURROGATES						
16416-32-3	TETRACOSANE-d50	11.4		37 - 130	57%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG090425\
 Data File : FG016549.D
 Signal(s) : FID1A.ch
 Acq On : 04 Sep 2025 16:15
 Operator : YP\AJ
 Sample : Q2998-01MS
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 AU-05-082925MS

Integration File: Sample.e
 Quant Time: Sep 05 03:48:05 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG080525.M
 Quant Title :
 QLast Update : Thu Sep 04 10:24:25 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...	15.183	1083490	11.372 ug/mlm
Target Compounds			
1) N-OCTANE	2.103	1760418	16.589 ug/ml
2) N-DECANE	4.649	2039418	18.872 ug/ml
3) N-DODECANE	6.832	2201640	20.258 ug/mlm
4) N-TETRADECANE	8.674	2714969	24.831 ug/mlm
5) N-HEXADECANE	10.294	3355759	30.872 ug/mlm
6) N-OCTADECANE	11.749	3614680	32.678 ug/mlm
7) N-EICOSANE	13.069	3757247	33.242 ug/ml
8) N-DOCOSANE	14.277	2883214	26.245 ug/ml
10) N-TETRACOSANE	15.383	4029450	36.775 ug/ml
11) N-HEXACOSANE	16.419	2209360	20.658 ug/mlm
12) N-OCTACOSANE	17.379	3155004	29.286 ug/ml
13) N-TRIACONTANE	18.275	2559464	23.490 ug/mlm
14) N-DOTRIACONTANE	19.115	2261078	21.466 ug/mlm
15) N-TETRATRIACONTANE	19.907	1936244	20.320 ug/ml
16) N-HEXATRIACONTANE	20.656	1632106	21.843 ug/mlm
17) N-OCTATRIACONTANE	21.449	1518384	25.324 ug/ml
18) N-TETRACONTANE	22.467	1661872	39.538 ug/mlm

(f)=RT Delta > 1/2 Window

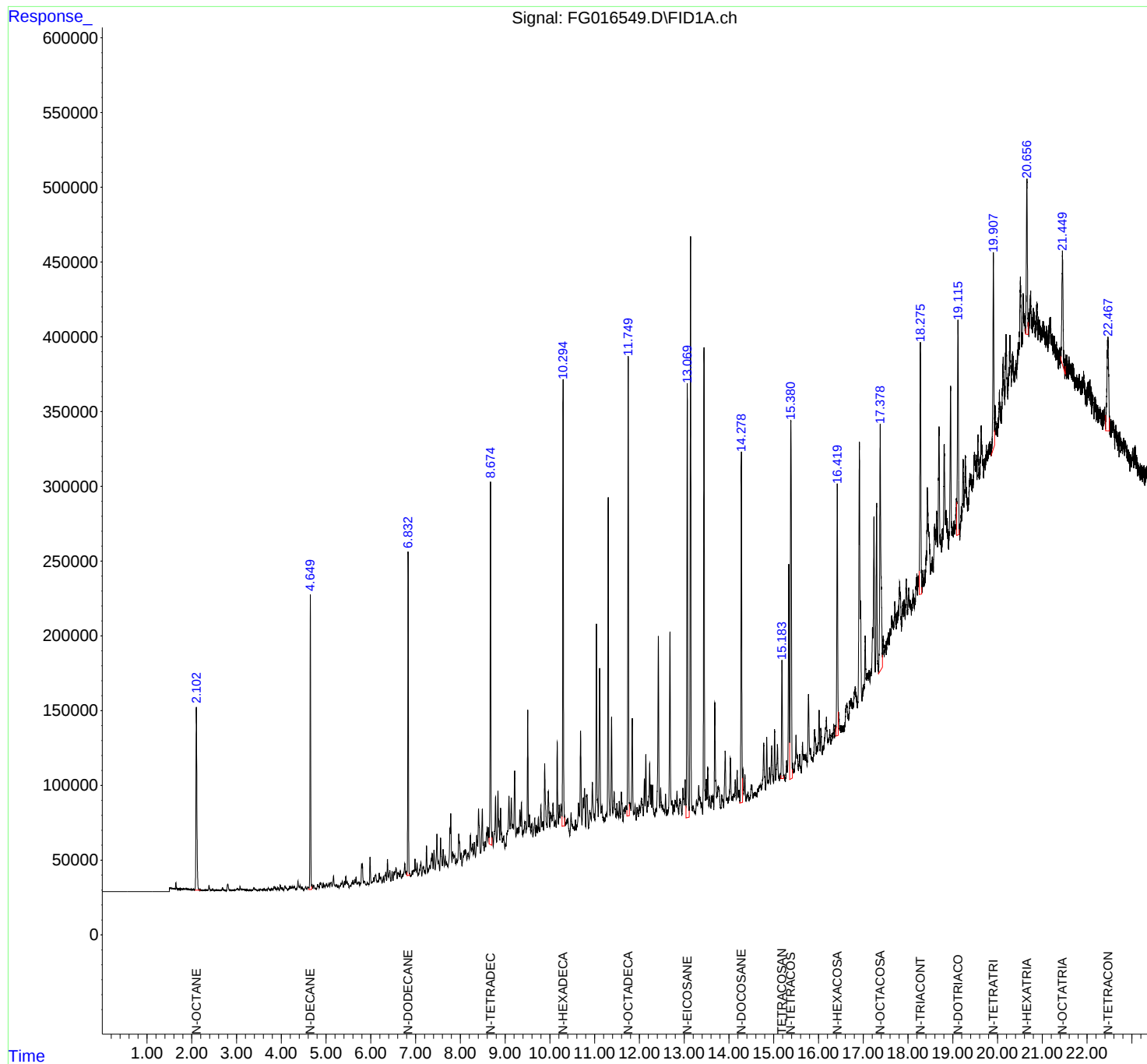
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG090425\
Data File : FG016549.D
Signal(s) : FID1A.ch
Acq On : 04 Sep 2025 16:15
Operator : YP\AJ
Sample : Q2998-01MS
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
AU-05-082925MS

Integration File: Sample.e
Quant Time: Sep 05 03:48:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG080525.M
Quant Title :
QLast Update : Thu Sep 04 10:24:25 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\FG090425\
 Data File : FG016549.D
 Signal(s) : FID1A.ch
 Acq On : 04 Sep 2025 16:15
 Sample : Q2998-01MS
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG080525.M
 Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.042	2.006	2.068	BV	474	7262	0.11%	0.002%
2	2.102	2.068	2.260	PV	122396	1769298	27.98%	0.490%
3	2.266	2.260	2.269	PV	130	443	0.01%	0.000%
4	2.277	2.269	2.288	VV	178	1102	0.02%	0.000%
5	2.298	2.288	2.308	VV	299	2938	0.05%	0.001%
6	2.326	2.308	2.361	VV	430	7955	0.13%	0.002%
7	2.384	2.361	2.421	VV	3406	43895	0.69%	0.012%
8	2.424	2.421	2.430	VV	230	883	0.01%	0.000%
9	2.463	2.430	2.500	VV	752	16797	0.27%	0.005%
10	2.523	2.500	2.540	PV	538	7747	0.12%	0.002%
11	2.544	2.540	2.550	VV	421	2181	0.03%	0.001%
12	2.556	2.550	2.597	VV	452	8956	0.14%	0.002%
13	2.605	2.597	2.630	VV	324	4398	0.07%	0.001%
14	2.634	2.630	2.642	VV	212	1009	0.02%	0.000%
15	2.649	2.642	2.664	VV	165	1684	0.03%	0.000%
16	2.686	2.664	2.745	VV	2056	34828	0.55%	0.010%
17	2.748	2.745	2.755	VV	115	494	0.01%	0.000%
18	2.759	2.755	2.769	VV	128	404	0.01%	0.000%
19	2.802	2.769	2.848	PV	4372	85318	1.35%	0.024%
20	2.872	2.848	2.905	VV	534	11633	0.18%	0.003%
21	2.924	2.905	2.946	VV	442	8734	0.14%	0.002%
22	2.953	2.946	2.973	VV	310	3998	0.06%	0.001%
23	2.998	2.973	3.003	VV	802	9773	0.15%	0.003%
24	3.022	3.003	3.060	VV	1277	29720	0.47%	0.008%
25	3.078	3.060	3.105	VV	2515	34839	0.55%	0.010%
26	3.116	3.105	3.137	VV	887	13372	0.21%	0.004%
27	3.163	3.137	3.180	VV	930	17740	0.28%	0.005%
28	3.191	3.180	3.215	VV	597	8371	0.13%	0.002%
29	3.216	3.215	3.220	VV	258	472	0.01%	0.000%
30	3.234	3.220	3.282	VV	381	8458	0.13%	0.002%
31	3.312	3.282	3.335	VV	435	7136	0.11%	0.002%

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32	3.345	3.335	3.355	VV	220	1992	0.03%	0.001%
33	3.383	3.355	3.423	VV	1774	40299	0.64%	0.011%
34	3.428	3.423	3.469	VV	517	6999	0.11%	0.002%
35	3.473	3.469	3.486	PV	45	500	0.01%	0.000%
36	3.507	3.486	3.519	VV	571	6666	0.11%	0.002%
37	3.532	3.519	3.548	VV	713	8252	0.13%	0.002%
38	3.561	3.548	3.585	VV	597	7974	0.13%	0.002%
39	3.606	3.585	3.623	VV	731	12003	0.19%	0.003%
40	3.631	3.623	3.662	VV	638	9080	0.14%	0.003%
41	3.672	3.662	3.685	VV	522	4915	0.08%	0.001%
42	3.708	3.685	3.747	VV	1578	30669	0.49%	0.008%
43	3.783	3.747	3.805	VV	854	19576	0.31%	0.005%
44	3.838	3.805	3.865	VV	2283	49579	0.78%	0.014%
45	3.873	3.865	3.893	VV	1623	20304	0.32%	0.006%
46	3.921	3.893	3.957	VV	1910	39401	0.62%	0.011%
47	3.977	3.957	3.992	VV	3180	39608	0.63%	0.011%
48	4.001	3.992	4.016	VV	1660	18919	0.30%	0.005%
49	4.029	4.016	4.055	VV	1835	21681	0.34%	0.006%
50	4.080	4.055	4.141	VV	2939	69641	1.10%	0.019%
51	4.187	4.141	4.201	PV	2677	42303	0.67%	0.012%
52	4.217	4.201	4.229	VV	1904	26249	0.42%	0.007%
53	4.251	4.229	4.271	VV	2288	45210	0.72%	0.013%
54	4.292	4.271	4.323	VV	2226	43562	0.69%	0.012%
55	4.372	4.323	4.401	VV	6084	105839	1.67%	0.029%
56	4.416	4.401	4.448	VV	2966	54673	0.86%	0.015%
57	4.464	4.448	4.502	VV	1747	29603	0.47%	0.008%
58	4.544	4.502	4.571	PV	2264	39041	0.62%	0.011%
59	4.591	4.571	4.616	VV	1911	33485	0.53%	0.009%
60	4.649	4.616	4.677	VV	197232	2039623	32.26%	0.564%
61	4.688	4.677	4.706	VV	3327	40195	0.64%	0.011%
62	4.724	4.706	4.750	VV	2957	45433	0.72%	0.013%
63	4.763	4.750	4.786	VV	722	10785	0.17%	0.003%
64	4.810	4.786	4.848	VV	3124	67726	1.07%	0.019%
65	4.884	4.848	4.919	VV	4060	116865	1.85%	0.032%
66	4.936	4.919	4.950	VV	4055	45585	0.72%	0.013%
67	4.961	4.950	4.978	VV	2849	34510	0.55%	0.010%
68	4.997	4.978	5.004	VV	2687	34683	0.55%	0.010%
69	5.016	5.004	5.033	VV	3317	43814	0.69%	0.012%
70	5.068	5.033	5.083	VV	4051	76694	1.21%	0.021%
71	5.114	5.083	5.135	VV	4433	96925	1.53%	0.027%
72	5.167	5.135	5.209	VV	8521	167664	2.65%	0.046%
73	5.232	5.209	5.255	VV	2726	48393	0.77%	0.013%
74	5.270	5.255	5.290	VV	2186	29541	0.47%	0.008%
75	5.336	5.290	5.348	VV	3381	68738	1.09%	0.019%
76	5.363	5.348	5.389	VV	4756	71857	1.14%	0.020%
77	5.410	5.389	5.425	VV	4504	59518	0.94%	0.016%
78	5.441	5.425	5.456	VV	7901	92580	1.46%	0.026%
79	5.474	5.456	5.490	VV	4086	68936	1.09%	0.019%

80	5.496	5.490	5.515	VV	2707	24128	0.38%	0.007%
81	5.544	5.515	5.556	PV	1638	27674	0.44%	0.008%
82	5.575	5.556	5.585	VV	3249	40443	0.64%	0.011%
83	5.599	5.585	5.622	VV	4778	71823	1.14%	0.020%
84	5.641	5.622	5.654	VV	5000	68938	1.09%	0.019%
85	5.670	5.654	5.690	VV	6644	91980	1.45%	0.025%
86	5.700	5.690	5.712	VV	2787	31511	0.50%	0.009%
87	5.735	5.712	5.754	VV	3220	56669	0.90%	0.016%
88	5.769	5.754	5.777	VV	2236	21472	0.34%	0.006%
89	5.795	5.777	5.805	VV	14833	159051	2.52%	0.044%
90	5.812	5.805	5.839	VV	14835	166204	2.63%	0.046%
91	5.849	5.839	5.859	VV	2889	31590	0.50%	0.009%
92	5.865	5.859	5.905	VV	2702	34810	0.55%	0.010%
93	5.923	5.905	5.940	VV	1952	24071	0.38%	0.007%
94	5.950	5.940	5.961	VV	971	8761	0.14%	0.002%
95	5.983	5.961	6.013	VV	18759	226552	3.58%	0.063%
96	6.023	6.013	6.032	VV	1652	15429	0.24%	0.004%
97	6.066	6.032	6.078	VV	4602	74979	1.19%	0.021%
98	6.094	6.078	6.102	VV	5865	68472	1.08%	0.019%
99	6.111	6.102	6.140	VV	6225	85615	1.35%	0.024%
100	6.148	6.140	6.153	VV	1635	12034	0.19%	0.003%
101	6.164	6.153	6.173	VV	2204	21017	0.33%	0.006%
102	6.188	6.173	6.200	VV	7185	75160	1.19%	0.021%
103	6.210	6.200	6.223	VV	4246	49773	0.79%	0.014%
104	6.230	6.223	6.250	VV	3622	35098	0.56%	0.010%
105	6.279	6.250	6.296	PV	4247	58303	0.92%	0.016%
106	6.314	6.296	6.320	VV	5024	44793	0.71%	0.012%
107	6.332	6.320	6.353	VV	7013	90121	1.43%	0.025%
108	6.372	6.353	6.398	VV	15199	205501	3.25%	0.057%
109	6.424	6.398	6.450	VV	7530	140208	2.22%	0.039%
110	6.476	6.450	6.496	VV	6759	85172	1.35%	0.024%
111	6.520	6.496	6.531	VV	5954	82025	1.30%	0.023%
112	6.542	6.531	6.547	VV	6188	50855	0.80%	0.014%
113	6.560	6.547	6.588	VV	8791	151670	2.40%	0.042%
114	6.605	6.588	6.616	VV	5119	63514	1.00%	0.018%
115	6.626	6.616	6.639	VV	4634	51777	0.82%	0.014%
116	6.658	6.639	6.684	VV	6252	97666	1.54%	0.027%
117	6.707	6.684	6.717	VV	3307	42194	0.67%	0.012%
118	6.759	6.717	6.775	VV	10441	200560	3.17%	0.056%
119	6.779	6.775	6.792	VV	4676	41644	0.66%	0.012%
120	6.832	6.792	6.864	VV	217269	2304729	36.45%	0.638%
121	6.870	6.864	6.890	VV	3010	33996	0.54%	0.009%
122	6.923	6.890	6.935	VV	4752	68574	1.08%	0.019%
123	6.947	6.935	6.954	VV	4707	42974	0.68%	0.012%
124	6.964	6.954	6.972	VV	4869	47143	0.75%	0.013%
125	6.987	6.972	7.017	VV	12238	183345	2.90%	0.051%
126	7.032	7.017	7.051	VV	8955	114581	1.81%	0.032%

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127	7.061	7.051	7.071	VV	2259	19764	0.31%	0.005%
128	7.118	7.071	7.139	VV	9295	192825	3.05%	0.053%
129	7.178	7.139	7.194	PV	5894	130505	2.06%	0.036%
130	7.202	7.194	7.214	VV	3130	28357	0.45%	0.008%
131	7.244	7.214	7.269	VV	19358	252991	4.00%	0.070%
132	7.282	7.269	7.291	VV	3141	36661	0.58%	0.010%
133	7.314	7.291	7.330	VV	5646	101048	1.60%	0.028%
134	7.347	7.330	7.356	VV	10202	120432	1.90%	0.033%
135	7.370	7.356	7.390	VV	13577	191740	3.03%	0.053%
136	7.410	7.390	7.437	VV	15452	218964	3.46%	0.061%
137	7.476	7.437	7.501	VV	25708	452512	7.16%	0.125%
138	7.512	7.501	7.537	VV	7174	110250	1.74%	0.031%
139	7.558	7.537	7.598	VV	22673	373972	5.91%	0.103%
140	7.614	7.598	7.641	VV	14638	219337	3.47%	0.061%
141	7.661	7.641	7.678	VV	9874	139793	2.21%	0.039%
142	7.691	7.678	7.724	VV	5190	104657	1.66%	0.029%
143	7.767	7.724	7.773	VV	27984	357401	5.65%	0.099%
144	7.785	7.773	7.813	VV	37499	512483	8.11%	0.142%
145	7.827	7.813	7.851	VV	11565	206356	3.26%	0.057%
146	7.859	7.851	7.867	VV	8741	84344	1.33%	0.023%
147	7.873	7.867	7.899	VV	8879	114126	1.80%	0.032%
148	7.920	7.899	7.931	VV	5144	86338	1.37%	0.024%
149	7.964	7.931	8.003	VV	22644	527452	8.34%	0.146%
150	8.017	8.003	8.035	VV	9284	117726	1.86%	0.033%
151	8.062	8.035	8.070	VV	6998	94191	1.49%	0.026%
152	8.083	8.070	8.094	VV	10825	128616	2.03%	0.036%
153	8.106	8.094	8.116	VV	11239	127056	2.01%	0.035%
154	8.126	8.116	8.145	VV	10234	133784	2.12%	0.037%
155	8.174	8.145	8.197	VV	8578	205185	3.25%	0.057%
156	8.224	8.197	8.244	VV	20141	349788	5.53%	0.097%
157	8.249	8.244	8.252	VV	9995	49268	0.78%	0.014%
158	8.272	8.252	8.290	VV	14211	247001	3.91%	0.068%
159	8.312	8.290	8.337	VV	14797	272565	4.31%	0.075%
160	8.365	8.337	8.388	VV	18992	380613	6.02%	0.105%
161	8.406	8.388	8.456	VV	36735	815172	12.89%	0.226%
162	8.491	8.456	8.509	VV	36057	631456	9.99%	0.175%
163	8.516	8.509	8.532	VV	12826	141606	2.24%	0.039%
164	8.554	8.532	8.567	VV	13607	235397	3.72%	0.065%
165	8.584	8.567	8.589	VV	19261	208016	3.29%	0.058%
166	8.599	8.589	8.615	VV	23132	288477	4.56%	0.080%
167	8.628	8.615	8.641	VV	22665	286568	4.53%	0.079%
168	8.674	8.641	8.704	VV	253400	3126290	49.44%	0.865%
169	8.715	8.704	8.734	VV	19201	280828	4.44%	0.078%
170	8.786	8.734	8.809	VV	41544	950888	15.04%	0.263%
171	8.840	8.809	8.856	VV	45551	737978	11.67%	0.204%
172	8.863	8.856	8.879	VV	25312	286209	4.53%	0.079%
173	8.900	8.879	8.939	VV	33796	698816	11.05%	0.193%
174	8.951	8.939	8.956	VV	12376	122997	1.95%	0.034%

175	8.969	8.956	8.994	VV	rteres 14710	259078	4.10%	0.072%
176	9.008	8.994	9.020	VV	9022	122741	1.94%	0.034%
177	9.086	9.020	9.110	VV	40642	1149572	18.18%	0.318%
178	9.139	9.110	9.156	VV	39128	747176	11.82%	0.207%
179	9.168	9.156	9.189	VV	20760	394720	6.24%	0.109%
180	9.213	9.189	9.240	VV	56690	1022925	16.18%	0.283%
181	9.267	9.240	9.279	VV	17667	363396	5.75%	0.101%
182	9.299	9.279	9.313	VV	18423	329362	5.21%	0.091%
183	9.330	9.313	9.350	VV	29424	513603	8.12%	0.142%
184	9.365	9.350	9.390	VV	34411	558975	8.84%	0.155%
185	9.406	9.390	9.418	VV	15374	232327	3.67%	0.064%
186	9.452	9.418	9.468	VV	21433	541494	8.56%	0.150%
187	9.505	9.468	9.529	VV	95269	1408057	22.27%	0.390%
188	9.545	9.529	9.574	VV	24984	511875	8.10%	0.142%
189	9.591	9.574	9.624	VV	18376	457221	7.23%	0.127%
190	9.660	9.624	9.679	VV	22252	524123	8.29%	0.145%
191	9.693	9.679	9.703	VV	17145	192910	3.05%	0.053%
192	9.715	9.703	9.726	VV	15668	200123	3.17%	0.055%
193	9.743	9.726	9.760	VV	22096	348150	5.51%	0.096%
194	9.765	9.760	9.777	VV	13420	135332	2.14%	0.037%
195	9.798	9.777	9.824	VV	29672	565508	8.94%	0.156%
196	9.842	9.824	9.859	VV	18674	339056	5.36%	0.094%
197	9.885	9.859	9.938	VV	57105	1326704	20.98%	0.367%
198	9.964	9.938	9.996	VV	37811	871231	13.78%	0.241%
199	10.017	9.996	10.053	VV	22959	666995	10.55%	0.185%
200	10.069	10.053	10.104	VV	29648	646402	10.22%	0.179%
201	10.125	10.104	10.140	VV	17717	338265	5.35%	0.094%
202	10.163	10.140	10.191	VV	69695	1011384	16.00%	0.280%
203	10.208	10.191	10.224	VV	27351	425371	6.73%	0.118%
204	10.250	10.224	10.270	VV	27362	635825	10.06%	0.176%
205	10.294	10.270	10.350	VV	311383	3986535	63.05%	1.103%
206	10.376	10.350	10.387	VV	16260	329655	5.21%	0.091%
207	10.399	10.387	10.443	VV	17108	391947	6.20%	0.108%
208	10.473	10.443	10.522	VV	20472	587326	9.29%	0.163%
209	10.531	10.522	10.554	VV	10615	184599	2.92%	0.051%
210	10.571	10.554	10.591	VV	14752	250711	3.97%	0.069%
211	10.639	10.591	10.663	VV	25770	688398	10.89%	0.190%
212	10.686	10.663	10.715	VV	73518	1179946	18.66%	0.327%
213	10.742	10.715	10.758	VV	28055	543453	8.60%	0.150%
214	10.774	10.758	10.799	VV	34834	567347	8.97%	0.157%
215	10.824	10.799	10.862	VV	30355	767680	12.14%	0.212%
216	10.890	10.862	10.923	VV	19323	529006	8.37%	0.146%
217	10.948	10.923	10.985	VV	37921	852364	13.48%	0.236%
218	10.989	10.985	11.003	VV	14832	147846	2.34%	0.041%
219	11.039	11.003	11.079	VV	142784	2191721	34.66%	0.607%
220	11.111	11.079	11.144	VV	112971	1998104	31.60%	0.553%
221	11.164	11.144	11.189	VV	20507	449241	7.11%	0.124%

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222	11.199	11.189	11.219	VV	12426	199461	3.15%	0.055%
223	11.261	11.219	11.274	VV	14699	410331	6.49%	0.114%
224	11.302	11.274	11.345	VV	225520	2978324	47.10%	0.824%
225	11.377	11.345	11.403	VV	78147	1250373	19.78%	0.346%
226	11.436	11.403	11.477	VV	27895	806433	12.75%	0.223%
227	11.496	11.477	11.535	VV	19804	484837	7.67%	0.134%
228	11.549	11.535	11.573	VV	20974	338515	5.35%	0.094%
229	11.595	11.573	11.634	VV	26860	618534	9.78%	0.171%
230	11.663	11.634	11.679	VV	15105	339672	5.37%	0.094%
231	11.694	11.679	11.719	VV	16947	374086	5.92%	0.104%
232	11.749	11.719	11.773	VV	317148	3933559	62.21%	1.089%
233	11.777	11.773	11.791	VV	18321	190598	3.01%	0.053%
234	11.793	11.791	11.810	VV	17652	182242	2.88%	0.050%
235	11.840	11.810	11.866	VV	74244	1242966	19.66%	0.344%
236	11.876	11.866	11.889	VV	11474	145409	2.30%	0.040%
237	11.903	11.889	11.929	VV	16246	270288	4.27%	0.075%
238	11.947	11.929	11.976	VV	14173	314799	4.98%	0.087%
239	12.002	11.976	12.025	VV	15073	362939	5.74%	0.100%
240	12.044	12.025	12.087	VV	19500	551946	8.73%	0.153%
241	12.111	12.087	12.126	VV	31895	472999	7.48%	0.131%
242	12.143	12.126	12.170	VV	48298	701299	11.09%	0.194%
243	12.185	12.170	12.196	VV	16119	214121	3.39%	0.059%
244	12.229	12.196	12.247	VV	41863	760470	12.03%	0.210%
245	12.260	12.247	12.278	VV	26808	359870	5.69%	0.100%
246	12.294	12.278	12.343	VV	27012	535015	8.46%	0.148%
247	12.423	12.343	12.454	VV	125710	2182758	34.52%	0.604%
248	12.475	12.454	12.509	VV	24157	504033	7.97%	0.139%
249	12.517	12.509	12.540	VV	10945	188876	2.99%	0.052%
250	12.549	12.540	12.564	VV	9090	111989	1.77%	0.031%
251	12.584	12.564	12.605	VV	18966	277544	4.39%	0.077%
252	12.617	12.605	12.634	VV	7723	115133	1.82%	0.032%
253	12.683	12.634	12.719	VV	127010	1926567	30.47%	0.533%
254	12.730	12.719	12.749	VV	13736	195781	3.10%	0.054%
255	12.763	12.749	12.783	VV	10891	158387	2.51%	0.044%
256	12.802	12.783	12.823	VV	13142	260429	4.12%	0.072%
257	12.839	12.823	12.877	VV	19370	353727	5.59%	0.098%
258	12.905	12.877	12.919	VV	13713	252962	4.00%	0.070%
259	12.924	12.919	12.947	VV	12036	134003	2.12%	0.037%
260	12.972	12.947	13.003	VV	20272	400920	6.34%	0.111%
261	13.021	13.003	13.039	VV	25580	355259	5.62%	0.098%
262	13.069	13.039	13.112	VV	287515	3759239	59.46%	1.040%
263	13.143	13.112	13.181	VV	386140	4489411	71.00%	1.242%
264	13.204	13.181	13.234	VV	7292	152507	2.41%	0.042%
265	13.241	13.234	13.251	VV	2935	25253	0.40%	0.007%
266	13.274	13.251	13.288	VV	9860	145004	2.29%	0.040%
267	13.324	13.288	13.343	VV	19763	391894	6.20%	0.108%
268	13.351	13.343	13.377	VV	11960	189489	3.00%	0.052%
269	13.393	13.377	13.411	VV	6560	93036	1.47%	0.026%

270	13.443	13.411	13.480	PV	312106	3618559	57.23%	1.001%
271	13.495	13.480	13.509	VV	22118	276014	4.37%	0.076%
272	13.526	13.509	13.550	VV	30694	419914	6.64%	0.116%
273	13.568	13.550	13.594	VV	10352	174526	2.76%	0.048%
274	13.614	13.594	13.632	VV	10640	160001	2.53%	0.044%
275	13.645	13.632	13.661	VV	10390	127604	2.02%	0.035%
276	13.684	13.661	13.729	VV	71845	1146745	18.14%	0.317%
277	13.737	13.729	13.741	VV	9695	64776	1.02%	0.018%
278	13.754	13.741	13.767	VV	15383	210634	3.33%	0.058%
279	13.771	13.767	13.819	VV	14550	234245	3.70%	0.065%
280	13.837	13.819	13.856	VV	9401	117208	1.85%	0.032%
281	13.860	13.856	13.880	VV	5733	55984	0.89%	0.015%
282	13.916	13.880	13.954	VV	37546	673586	10.65%	0.186%
283	13.957	13.954	13.983	VV	5778	74730	1.18%	0.021%
284	14.033	13.983	14.058	VV	31900	589775	9.33%	0.163%
285	14.075	14.058	14.088	VV	5958	85417	1.35%	0.024%
286	14.102	14.088	14.119	VV	7710	114317	1.81%	0.032%
287	14.140	14.119	14.162	VV	16965	251322	3.97%	0.070%
288	14.183	14.162	14.206	VV	22851	310256	4.91%	0.086%
289	14.225	14.206	14.246	VV	8777	137859	2.18%	0.038%
290	14.277	14.246	14.302	VV	232078	2881065	45.57%	0.797%
291	14.312	14.302	14.339	VV	22104	301736	4.77%	0.083%
292	14.353	14.339	14.385	VV	18419	235214	3.72%	0.065%
293	14.410	14.385	14.414	VV	4776	50568	0.80%	0.014%
294	14.426	14.414	14.446	VV	5881	63255	1.00%	0.018%
295	14.452	14.446	14.457	PV	1843	6025	0.10%	0.002%
296	14.501	14.457	14.535	VV	10128	232426	3.68%	0.064%
297	14.548	14.535	14.553	VV	2408	23782	0.38%	0.007%
298	14.570	14.553	14.587	VV	3860	57488	0.91%	0.016%
299	14.595	14.587	14.603	VV	2894	21778	0.34%	0.006%
300	14.607	14.603	14.625	VV	3129	21775	0.34%	0.006%
301	14.646	14.625	14.659	PV	5519	73289	1.16%	0.020%
302	14.678	14.659	14.684	VV	6221	75371	1.19%	0.021%
303	14.696	14.684	14.701	VV	6769	61937	0.98%	0.017%
304	14.705	14.701	14.723	VV	7149	71408	1.13%	0.020%
305	14.776	14.723	14.817	VV	33832	736603	11.65%	0.204%
306	14.843	14.817	14.868	VV	36428	483184	7.64%	0.134%
307	14.875	14.868	14.888	VV	7446	73858	1.17%	0.020%
308	14.909	14.888	14.929	VV	14484	243547	3.85%	0.067%
309	14.954	14.929	14.996	VV	29230	563560	8.91%	0.156%
310	15.019	14.996	15.042	VV	38041	524089	8.29%	0.145%
311	15.083	15.042	15.121	VV	27278	606971	9.60%	0.168%
312	15.136	15.121	15.158	VV	7229	121462	1.92%	0.034%
313	15.183	15.158	15.222	VV	82271	1219755	19.29%	0.338%
314	15.226	15.222	15.259	VV	4434	68703	1.09%	0.019%
315	15.288	15.259	15.306	PV	13852	207108	3.28%	0.057%
316	15.336	15.306	15.358	VV	144060	1918889	30.35%	0.531%

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317	15.383	15.358	15.416	VV	239283	4011046	63.44%	1.110%
318	15.425	15.416	15.446	VV	9311	117628	1.86%	0.033%
319	15.451	15.446	15.459	VV	4912	33162	0.52%	0.009%
320	15.497	15.459	15.514	VV	27480	470199	7.44%	0.130%
321	15.520	15.514	15.553	VV	13131	228476	3.61%	0.063%
322	15.580	15.553	15.616	VV	13260	242537	3.84%	0.067%
323	15.644	15.616	15.662	PV	19846	287545	4.55%	0.080%
324	15.666	15.662	15.672	VV	9650	53937	0.85%	0.015%
325	15.680	15.672	15.712	VV	11060	204612	3.24%	0.057%
326	15.718	15.712	15.743	VV	9288	128095	2.03%	0.035%
327	15.776	15.743	15.809	VV	47947	845599	13.37%	0.234%
328	15.821	15.809	15.874	VV	11072	205576	3.25%	0.057%
329	15.915	15.874	15.956	VV	20977	483265	7.64%	0.134%
330	15.971	15.956	15.984	VV	8522	112363	1.78%	0.031%
331	16.014	15.984	16.037	VV	30811	485834	7.68%	0.134%
332	16.053	16.037	16.085	VV	17412	255499	4.04%	0.071%
333	16.102	16.085	16.115	PV	4500	60195	0.95%	0.017%
334	16.177	16.115	16.204	VV	21856	592203	9.37%	0.164%
335	16.207	16.204	16.212	VV	5325	25996	0.41%	0.007%
336	16.217	16.212	16.221	VV	4759	24087	0.38%	0.007%
337	16.228	16.221	16.237	VV	5665	45436	0.72%	0.013%
338	16.253	16.237	16.279	VV	10739	147164	2.33%	0.041%
339	16.300	16.279	16.304	VV	6737	59116	0.93%	0.016%
340	16.309	16.304	16.322	VV	6301	55495	0.88%	0.015%
341	16.341	16.322	16.359	VV	11781	156053	2.47%	0.043%
342	16.383	16.359	16.387	VV	9467	117237	1.85%	0.032%
343	16.420	16.387	16.512	VV	168442	2591616	40.99%	0.717%
344	16.518	16.512	16.542	VV	5049	47305	0.75%	0.013%
345	16.556	16.542	16.582	VV	3771	37931	0.60%	0.010%
346	16.636	16.582	16.674	PV	16278	528574	8.36%	0.146%
347	16.699	16.674	16.707	VV	15373	210604	3.33%	0.058%
348	16.725	16.707	16.747	VV	16625	327185	5.17%	0.091%
349	16.753	16.747	16.779	VV	11045	196112	3.10%	0.054%
350	16.821	16.779	16.840	VV	20620	591017	9.35%	0.164%
351	16.842	16.840	16.870	VV	15023	191949	3.04%	0.053%
352	16.914	16.870	16.933	VV	180801	2898353	45.84%	0.802%
353	16.941	16.933	16.976	VV	74340	897705	14.20%	0.248%
354	16.992	16.976	16.996	VV	13247	123620	1.96%	0.034%
355	17.011	16.996	17.017	VV	15983	183656	2.90%	0.051%
356	17.043	17.017	17.066	VV	45158	780625	12.35%	0.216%
357	17.077	17.066	17.106	VV	21153	443805	7.02%	0.123%
358	17.111	17.106	17.118	VV	19832	132712	2.10%	0.037%
359	17.133	17.118	17.151	VV	20656	345745	5.47%	0.096%
360	17.163	17.151	17.177	VV	18438	266862	4.22%	0.074%
361	17.208	17.177	17.218	VV	46350	796781	12.60%	0.220%
362	17.239	17.218	17.266	VV	120084	1850726	29.27%	0.512%
363	17.298	17.266	17.336	VV	126941	2135362	33.77%	0.591%
364	17.339	17.336	17.342	VV	15298	58948	0.93%	0.016%

365	17.379	17.342	17.429	VV	rteres 176236	3799497	60.09%	1.051%
366	17.448	17.429	17.470	VV	31560	628864	9.95%	0.174%
367	17.506	17.470	17.513	VV	27554	615529	9.74%	0.170%
368	17.542	17.513	17.547	VV	27870	507509	8.03%	0.140%
369	17.563	17.547	17.573	VV	31260	429490	6.79%	0.119%
370	17.577	17.573	17.582	VV	28157	152296	2.41%	0.042%
371	17.599	17.582	17.607	VV	30840	438499	6.94%	0.121%
372	17.621	17.607	17.625	VV	31414	318972	5.04%	0.088%
373	17.635	17.625	17.657	VV	37579	669609	10.59%	0.185%
374	17.664	17.657	17.679	VV	35646	427234	6.76%	0.118%
375	17.705	17.679	17.737	VV	45720	1305303	20.64%	0.361%
376	17.756	17.737	17.765	VV	37672	552753	8.74%	0.153%
377	17.813	17.765	17.853	VV	56659	2170639	34.33%	0.601%
378	17.883	17.853	17.899	VV	41291	930247	14.71%	0.257%
379	17.918	17.899	17.934	VV	40687	747907	11.83%	0.207%
380	17.960	17.934	17.992	VV	53734	1412709	22.34%	0.391%
381	18.015	17.992	18.046	VV	44142	1193293	18.87%	0.330%
382	18.056	18.046	18.074	VV	35738	514666	8.14%	0.142%
383	18.082	18.074	18.097	VV	32493	412241	6.52%	0.114%
384	18.110	18.097	18.141	VV	39927	896035	14.17%	0.248%
385	18.149	18.141	18.154	VV	33536	250417	3.96%	0.069%
386	18.197	18.154	18.211	VV	48619	1341795	21.22%	0.371%
387	18.228	18.211	18.246	VV	46533	888497	14.05%	0.246%
388	18.275	18.246	18.317	VV	201174	4005843	63.36%	1.109%
389	18.339	18.317	18.362	VV	46303	1079238	17.07%	0.299%
390	18.379	18.362	18.386	VV	44988	557514	8.82%	0.154%
391	18.400	18.386	18.404	VV	51836	479127	7.58%	0.133%
392	18.431	18.404	18.500	VV	96949	3837620	60.69%	1.062%
393	18.528	18.500	18.533	VV	44911	822752	13.01%	0.228%
394	18.540	18.533	18.557	VV	48401	655487	10.37%	0.181%
395	18.595	18.557	18.617	VV	67477	1950704	30.85%	0.540%
396	18.640	18.617	18.661	VV	75539	1647534	26.06%	0.456%
397	18.694	18.661	18.719	VV	129908	3010771	47.62%	0.833%
398	18.724	18.719	18.748	VV	57220	880330	13.92%	0.244%
399	18.779	18.748	18.784	VV	59031	1160418	18.35%	0.321%
400	18.806	18.784	18.842	VV	112649	2844967	45.00%	0.787%
401	18.849	18.842	18.867	VV	68890	945894	14.96%	0.262%
402	18.875	18.867	18.905	VV	61701	1184390	18.73%	0.328%
403	18.950	18.905	18.981	VV	149229	3579435	56.61%	0.991%
404	18.984	18.981	18.989	VV	51899	257271	4.07%	0.071%
405	19.030	18.989	19.049	VV	55602	1785589	28.24%	0.494%
406	19.080	19.049	19.090	VV	68627	1474678	23.32%	0.408%
407	19.115	19.090	19.159	VV	184320	4029248	63.73%	1.115%
408	19.170	19.159	19.174	VV	48862	402608	6.37%	0.111%
409	19.189	19.174	19.201	VV	55953	838425	13.26%	0.232%
410	19.232	19.201	19.249	VV	88831	2037254	32.22%	0.564%
411	19.255	19.249	19.259	VV	63497	363928	5.76%	0.101%

					rteres			
412	19.280	19.259	19.299	VV	89813	1850359	29.26%	0.512%
413	19.307	19.299	19.332	VV	67023	1178363	18.64%	0.326%
414	19.338	19.332	19.349	VV	57598	550139	8.70%	0.152%
415	19.380	19.349	19.403	VV	74951	2157817	34.13%	0.597%
416	19.408	19.403	19.436	VV	72255	1305807	20.65%	0.361%
417	19.443	19.436	19.455	VV	68518	786662	12.44%	0.218%
418	19.482	19.455	19.507	VV	84308	2349599	37.16%	0.650%
419	19.521	19.507	19.541	VV	81485	1538554	24.33%	0.426%
420	19.562	19.541	19.582	VV	92987	1991317	31.49%	0.551%
421	19.589	19.582	19.601	VV	70682	735432	11.63%	0.204%
422	19.635	19.601	19.688	VV	95730	4075315	64.45%	1.128%
423	19.706	19.688	19.711	VV	73047	961703	15.21%	0.266%
424	19.715	19.711	19.724	VV	72016	521547	8.25%	0.144%
425	19.750	19.724	19.757	VV	81370	1501356	23.75%	0.415%
426	19.759	19.757	19.776	VV	74172	788303	12.47%	0.218%
427	19.781	19.776	19.785	VV	75322	397241	6.28%	0.110%
428	19.797	19.785	19.802	VV	79194	799863	12.65%	0.221%
429	19.809	19.802	19.814	VV	78778	535033	8.46%	0.148%
430	19.819	19.814	19.827	VV	77637	613081	9.70%	0.170%
431	19.831	19.827	19.857	VV	80212	1337966	21.16%	0.370%
432	19.861	19.857	19.866	VV	74264	369431	5.84%	0.102%
433	19.907	19.866	19.932	VV	204329	4845764	76.64%	1.341%
434	19.944	19.932	19.965	VV	99386	1843279	29.15%	0.510%
435	19.983	19.965	20.004	VV	87803	1941575	30.71%	0.537%
436	20.013	20.004	20.019	VV	90108	788808	12.48%	0.218%
437	20.042	20.019	20.062	VV	104964	2461642	38.93%	0.681%
438	20.065	20.062	20.073	VV	94781	596077	9.43%	0.165%
439	20.082	20.073	20.089	VV	92179	824850	13.05%	0.228%
440	20.124	20.089	20.162	VV	124521	4672999	73.91%	1.293%
441	20.189	20.162	20.229	VV	137824	4665325	73.79%	1.291%
442	20.274	20.229	20.307	VV	135805	5488410	86.80%	1.519%
443	20.340	20.307	20.377	VV	120922	4632024	73.26%	1.282%
444	20.410	20.377	20.428	VV	114521	3288335	52.01%	0.910%
445	20.443	20.428	20.447	VV	118736	1318998	20.86%	0.365%
446	20.458	20.447	20.463	VV	124679	1082758	17.12%	0.300%
447	20.466	20.463	20.475	VV	122078	913726	14.45%	0.253%
448	20.510	20.475	20.539	VV	164313	5402133	85.44%	1.495%
449	20.577	20.539	20.596	VV	152167	4591882	72.62%	1.271%
450	20.609	20.596	20.623	VV	137750	2194105	34.70%	0.607%
451	20.656	20.623	20.685	VV	226602	6233597	98.59%	1.725%
452	20.693	20.685	20.700	VV	136341	1128802	17.85%	0.312%
453	20.705	20.700	20.712	VV	131214	955928	15.12%	0.265%
454	20.740	20.712	20.767	VV	150533	4540908	71.82%	1.257%
455	20.775	20.767	20.781	VV	130779	1011611	16.00%	0.280%
456	20.799	20.781	20.804	VV	135509	1779908	28.15%	0.493%
457	20.809	20.804	20.854	VV	135184	3773553	59.68%	1.044%
458	20.861	20.854	20.865	VV	127662	831875	13.16%	0.230%
459	20.881	20.865	20.903	VV	136153	2840269	44.92%	0.786%

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460	20.912	20.903	20.919	VV	124728	1151238	18.21%	0.319%
461	20.936	20.919	20.973	VV	122004	3807895	60.22%	1.054%
462	20.981	20.973	21.001	VV	115485	1842193	29.14%	0.510%
463	21.018	21.001	21.037	VV	120094	2464477	38.98%	0.682%
464	21.043	21.037	21.065	VV	116256	1857812	29.38%	0.514%
465	21.091	21.065	21.096	VV	112277	1972451	31.20%	0.546%
466	21.102	21.096	21.125	VV	109388	1847542	29.22%	0.511%
467	21.148	21.125	21.159	VV	111785	2100453	33.22%	0.581%
468	21.166	21.159	21.177	VV	116698	1223627	19.35%	0.339%
469	21.181	21.177	21.194	VV	116169	1100141	17.40%	0.304%
470	21.212	21.194	21.288	VV	103541	5477154	86.63%	1.516%
471	21.315	21.288	21.361	VV	94527	3841114	60.75%	1.063%
472	21.376	21.361	21.404	VV	88166	2178000	34.45%	0.603%
473	21.449	21.404	21.511	VV	150516	6322823	100.00%	1.750%
474	21.524	21.511	21.539	VV	78975	1226816	19.40%	0.339%
475	21.552	21.539	21.567	VV	79177	1161680	18.37%	0.321%
476	21.595	21.567	21.659	VV	76674	3727211	58.95%	1.031%
477	21.669	21.659	21.687	VV	67720	1050579	16.62%	0.291%
478	21.695	21.687	21.759	VV	66777	2457008	38.86%	0.680%
479	21.779	21.759	21.801	VV	55641	1339202	21.18%	0.371%
480	21.822	21.801	21.863	VV	53897	1837179	29.06%	0.508%
481	21.880	21.863	21.914	VV	49192	1426043	22.55%	0.395%
482	21.924	21.914	21.966	VV	51097	1362772	21.55%	0.377%
483	21.978	21.966	21.993	VV	39545	598898	9.47%	0.166%
484	22.007	21.993	22.046	VV	44618	1233276	19.51%	0.341%
485	22.062	22.046	22.124	VV	41388	1563356	24.73%	0.433%
486	22.133	22.124	22.154	VV	30841	460170	7.28%	0.127%
487	22.184	22.154	22.206	VV	28686	692628	10.95%	0.192%
488	22.223	22.206	22.241	VV	20812	396340	6.27%	0.110%
489	22.249	22.241	22.267	VV	16663	224779	3.56%	0.062%
490	22.287	22.267	22.326	VV	18929	448136	7.09%	0.124%
491	22.345	22.326	22.363	VV	13537	199173	3.15%	0.055%
492	22.387	22.363	22.409	VV	13928	260763	4.12%	0.072%
493	22.465	22.409	22.501	PBA	52296	1557091	24.63%	0.431%

Sum of corrected areas: 361365334

FG080525.M Fri Sep 05 05:05:44 2025

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	08/29/25
Project:	4 Hampton Place, Nutley	Date Received:	08/29/25
Client Sample ID:	AU-05-082925MSD	SDG No.:	Q3011
Lab Sample ID:	Q2998-01MSD	Matrix:	SOIL
Analytical Method:	8015D TPH	% Solid:	94.5
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Final Vol:	1
GPC Factor :		Test:	TPH GC
Prep Method :	SW3541	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG016550.D	1	09/04/25 08:45	09/04/25 16:45	PB169544

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
PHC	Petroleum Hydrocarbons	134000	E	406	3000	ug/kg
SURROGATES						
16416-32-3	TETRACOSANE-d50	13.1		37 - 130	65%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG090425\
 Data File : FG016550.D
 Signal(s) : FID1A.ch
 Acq On : 04 Sep 2025 16:45
 Operator : YP\AJ
 Sample : Q2998-01MSD
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 AU-05-082925MSD

Integration File: Sample.e
 Quant Time: Sep 05 03:48:28 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG080525.M
 Quant Title :
 QLast Update : Thu Sep 04 10:24:25 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...	15.189	1246018	13.078 ug/ml
Target Compounds			
1) N-OCTANE	2.104	1756447	16.552 ug/ml
2) N-DECANE	4.652	2033996	18.822 ug/ml
3) N-DODECANE	6.836	2190628	20.157 ug/mlm
4) N-TETRADECANE	8.679	2704646	24.736 ug/mlm
5) N-HEXADECANE	10.298	3289965	30.267 ug/mlm
6) N-OCTADECANE	11.754	3519084	31.814 ug/mlm
7) N-EICOSANE	13.075	3711002	32.833 ug/ml
8) N-DOCOSANE	14.283	2835544	25.811 ug/ml
10) N-TETRACOSANE	15.391	3890124	35.503 ug/ml
11) N-HEXACOSANE	16.427	2181265	20.396 ug/mlm
12) N-OCTACOSANE	17.385	2966038	27.532 ug/ml
13) N-TRIACONTANE	18.282	3035708	27.861 ug/ml
14) N-DOTRIACONTANE	19.121	2409053	22.871 ug/mlm
15) N-TETRATRIACONTANE	19.915	2069626	21.720 ug/ml
16) N-HEXATRIACONTANE	20.662	1560649	20.887 ug/ml
17) N-OCTATRIACONTANE	21.459	1534604	25.595 ug/mlm
18) N-TETRACONTANE	22.475f	1726687	41.080 ug/mlm

(f)=RT Delta > 1/2 Window

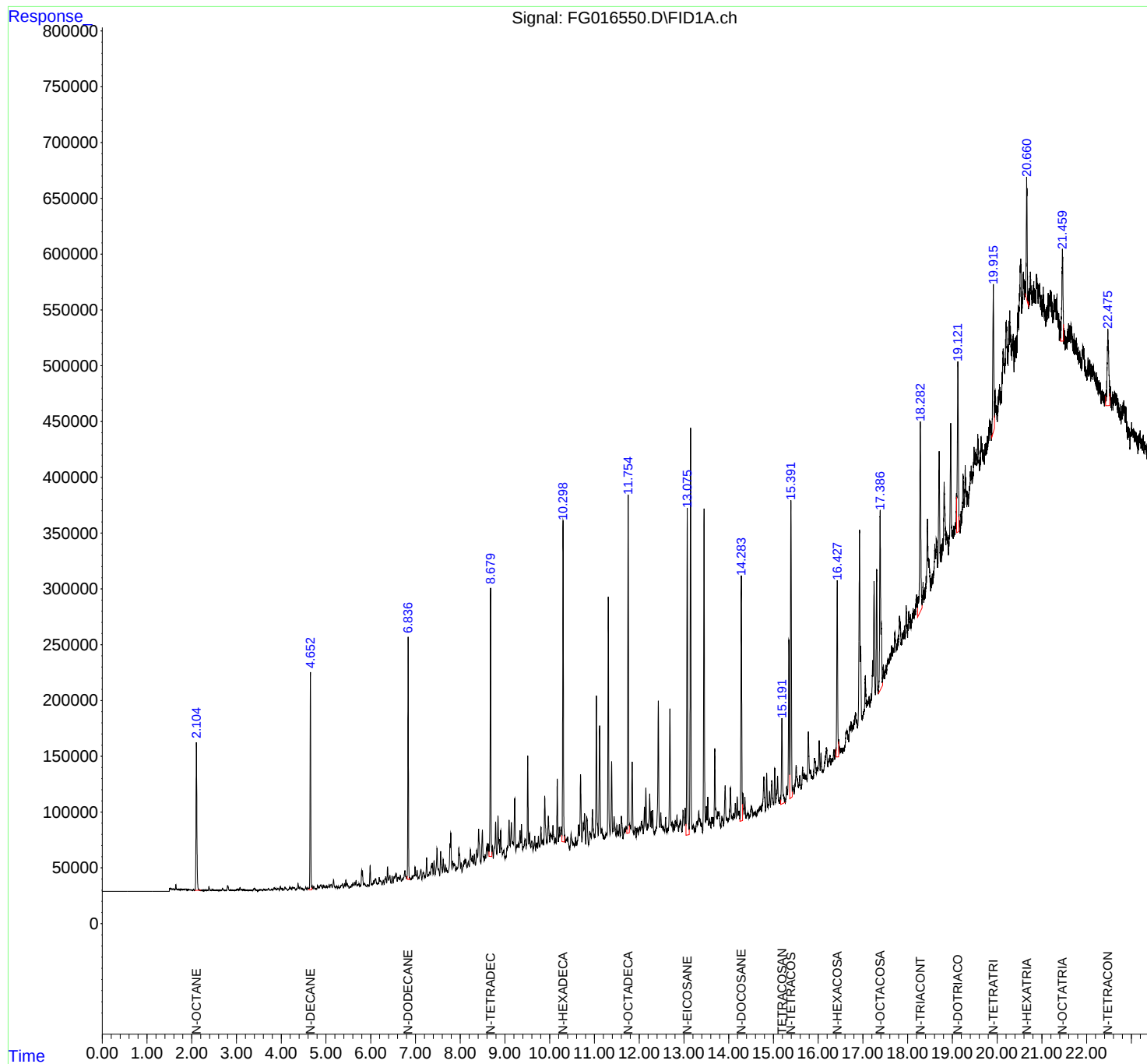
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG090425\
Data File : FG016550.D
Signal(s) : FID1A.ch
Acq On : 04 Sep 2025 16:45
Operator : YP\AJ
Sample : Q2998-01MSD
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
AU-05-082925MSD

Integration File: Sample.e
Quant Time: Sep 05 03:48:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG080525.M
Quant Title :
QLast Update : Thu Sep 04 10:24:25 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\FG090425\
 Data File : FG016550.D
 Signal(s) : FID1A.ch
 Acq On : 04 Sep 2025 16:45
 Sample : Q2998-01MSD
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG080525.M
 Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.041	2.022	2.065	PV	569	7668	0.11%	0.002%
2	2.104	2.065	2.172	VV	132614	1760309	24.89%	0.466%
3	2.176	2.172	2.222	VV	333	6785	0.10%	0.002%
4	2.229	2.222	2.240	VV	147	1079	0.02%	0.000%
5	2.246	2.240	2.258	PV	138	1048	0.01%	0.000%
6	2.267	2.258	2.282	VV	224	2423	0.03%	0.001%
7	2.298	2.282	2.306	VV	398	4095	0.06%	0.001%
8	2.322	2.306	2.364	VV	431	8804	0.12%	0.002%
9	2.384	2.364	2.423	VV	3528	43073	0.61%	0.011%
10	2.456	2.423	2.506	VV	722	16260	0.23%	0.004%
11	2.524	2.506	2.538	VV	524	6263	0.09%	0.002%
12	2.555	2.538	2.597	VV	441	10312	0.15%	0.003%
13	2.607	2.597	2.630	VV	274	3779	0.05%	0.001%
14	2.636	2.630	2.659	VV	220	2720	0.04%	0.001%
15	2.687	2.659	2.708	VV	2150	27957	0.40%	0.007%
16	2.711	2.708	2.770	VV	585	8605	0.12%	0.002%
17	2.803	2.770	2.857	PV	4410	85543	1.21%	0.023%
18	2.869	2.857	2.908	VV	490	8637	0.12%	0.002%
19	2.925	2.908	2.947	VV	434	8078	0.11%	0.002%
20	2.953	2.947	2.976	VV	303	3812	0.05%	0.001%
21	2.998	2.976	3.002	VV	665	7018	0.10%	0.002%
22	3.024	3.002	3.053	VV	1365	26911	0.38%	0.007%
23	3.079	3.053	3.103	VV	2504	35233	0.50%	0.009%
24	3.118	3.103	3.139	VV	937	13911	0.20%	0.004%
25	3.165	3.139	3.183	VV	885	17049	0.24%	0.005%
26	3.190	3.183	3.218	VV	604	7748	0.11%	0.002%
27	3.232	3.218	3.279	VV	332	7456	0.11%	0.002%
28	3.314	3.279	3.336	VV	515	8563	0.12%	0.002%
29	3.354	3.336	3.361	VV	207	2478	0.04%	0.001%
30	3.387	3.361	3.402	VV	1819	26675	0.38%	0.007%
31	3.405	3.402	3.425	VV	1393	13712	0.19%	0.004%

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32	3.431	3.425	3.459	VV	565	7275	0.10%	0.002%
33	3.463	3.459	3.468	VV	120	414	0.01%	0.000%
34	3.473	3.468	3.478	VV	54	230	0.00%	0.000%
35	3.507	3.478	3.518	PV	663	7112	0.10%	0.002%
36	3.534	3.518	3.550	VV	653	9187	0.13%	0.002%
37	3.563	3.550	3.582	VV	652	7852	0.11%	0.002%
38	3.608	3.582	3.628	VV	800	14435	0.20%	0.004%
39	3.635	3.628	3.660	VV	704	8372	0.12%	0.002%
40	3.676	3.660	3.690	VV	494	6254	0.09%	0.002%
41	3.710	3.690	3.752	VV	1552	32024	0.45%	0.008%
42	3.788	3.752	3.818	VV	850	23877	0.34%	0.006%
43	3.839	3.818	3.867	VV	2367	46912	0.66%	0.012%
44	3.877	3.867	3.898	VV	1765	23607	0.33%	0.006%
45	3.923	3.898	3.959	VV	1965	41954	0.59%	0.011%
46	3.980	3.959	3.996	VV	3353	42645	0.60%	0.011%
47	4.003	3.996	4.018	VV	1813	18552	0.26%	0.005%
48	4.032	4.018	4.058	VV	1959	23975	0.34%	0.006%
49	4.083	4.058	4.147	VV	3073	72387	1.02%	0.019%
50	4.169	4.147	4.175	PV	1150	11144	0.16%	0.003%
51	4.189	4.175	4.204	VV	2717	33071	0.47%	0.009%
52	4.220	4.204	4.239	VV	1859	30671	0.43%	0.008%
53	4.256	4.239	4.273	VV	2857	40604	0.57%	0.011%
54	4.294	4.273	4.326	VV	2368	47944	0.68%	0.013%
55	4.375	4.326	4.404	VV	6123	107082	1.51%	0.028%
56	4.420	4.404	4.449	VV	3027	52668	0.74%	0.014%
57	4.467	4.449	4.504	VV	1696	30636	0.43%	0.008%
58	4.547	4.504	4.573	PV	2326	38756	0.55%	0.010%
59	4.593	4.573	4.621	VV	1971	35678	0.50%	0.009%
60	4.653	4.621	4.681	VV	194850	2035003	28.77%	0.538%
61	4.692	4.681	4.709	VV	3381	38436	0.54%	0.010%
62	4.728	4.709	4.755	VV	2954	45255	0.64%	0.012%
63	4.764	4.755	4.790	VV	673	9748	0.14%	0.003%
64	4.813	4.790	4.852	VV	3191	67644	0.96%	0.018%
65	4.872	4.852	4.878	VV	3730	45115	0.64%	0.012%
66	4.886	4.878	4.922	VV	4059	72269	1.02%	0.019%
67	4.938	4.922	4.952	VV	3939	45085	0.64%	0.012%
68	4.964	4.952	4.979	VV	2765	32839	0.46%	0.009%
69	4.999	4.979	5.009	VV	2667	37488	0.53%	0.010%
70	5.020	5.009	5.034	VV	3273	38413	0.54%	0.010%
71	5.071	5.034	5.087	VV	4091	75988	1.07%	0.020%
72	5.118	5.087	5.138	VV	4307	93126	1.32%	0.025%
73	5.171	5.138	5.212	VV	8349	162210	2.29%	0.043%
74	5.236	5.212	5.256	VV	2559	44533	0.63%	0.012%
75	5.272	5.256	5.296	VV	2111	29206	0.41%	0.008%
76	5.340	5.296	5.353	VV	3208	66185	0.94%	0.018%
77	5.366	5.353	5.393	VV	4457	67931	0.96%	0.018%
78	5.413	5.393	5.428	VV	4374	56247	0.80%	0.015%
79	5.445	5.428	5.459	VV	7737	90104	1.27%	0.024%

80	5.476	5.459	5.492	VV	3978	64843	0.92%	0.017%
81	5.499	5.492	5.518	VV	2535	24679	0.35%	0.007%
82	5.546	5.518	5.558	PV	1539	25015	0.35%	0.007%
83	5.579	5.558	5.590	VV	3182	41476	0.59%	0.011%
84	5.602	5.590	5.625	VV	4538	65903	0.93%	0.017%
85	5.645	5.625	5.657	VV	4938	67426	0.95%	0.018%
86	5.673	5.657	5.692	VV	6414	87874	1.24%	0.023%
87	5.704	5.692	5.716	VV	2766	31367	0.44%	0.008%
88	5.738	5.716	5.757	VV	3209	53374	0.75%	0.014%
89	5.772	5.757	5.781	VV	2241	20595	0.29%	0.005%
90	5.798	5.781	5.807	VV	15115	146438	2.07%	0.039%
91	5.816	5.807	5.842	VV	14634	172568	2.44%	0.046%
92	5.854	5.842	5.864	VV	2643	30354	0.43%	0.008%
93	5.870	5.864	5.908	VV	2413	31185	0.44%	0.008%
94	5.927	5.908	5.943	VV	1746	21458	0.30%	0.006%
95	5.955	5.943	5.964	VV	999	8419	0.12%	0.002%
96	5.987	5.964	6.018	VV	18241	223471	3.16%	0.059%
97	6.027	6.018	6.035	VV	1621	14207	0.20%	0.004%
98	6.069	6.035	6.082	VV	4641	72956	1.03%	0.019%
99	6.096	6.082	6.106	VV	5857	68285	0.97%	0.018%
100	6.114	6.106	6.145	VV	6085	83985	1.19%	0.022%
101	6.166	6.145	6.176	VV	2155	30558	0.43%	0.008%
102	6.192	6.176	6.204	VV	7068	73889	1.04%	0.020%
103	6.214	6.204	6.226	VV	4229	47852	0.68%	0.013%
104	6.233	6.226	6.253	VV	3496	36416	0.51%	0.010%
105	6.282	6.253	6.300	PV	4049	57111	0.81%	0.015%
106	6.318	6.300	6.324	VV	5165	45712	0.65%	0.012%
107	6.336	6.324	6.356	VV	7116	87263	1.23%	0.023%
108	6.377	6.356	6.403	VV	15497	207904	2.94%	0.055%
109	6.429	6.403	6.454	VV	7527	137016	1.94%	0.036%
110	6.479	6.454	6.500	VV	6705	85656	1.21%	0.023%
111	6.523	6.500	6.535	VV	5944	84667	1.20%	0.022%
112	6.547	6.535	6.551	VV	5948	48559	0.69%	0.013%
113	6.564	6.551	6.592	VV	8898	152711	2.16%	0.040%
114	6.608	6.592	6.618	VV	5104	58845	0.83%	0.016%
115	6.630	6.618	6.643	VV	4827	59353	0.84%	0.016%
116	6.662	6.643	6.686	VV	6414	96243	1.36%	0.025%
117	6.710	6.686	6.722	VV	3124	46422	0.66%	0.012%
118	6.764	6.722	6.797	VV	10213	243665	3.45%	0.064%
119	6.836	6.797	6.867	VV	218918	2292633	32.42%	0.606%
120	6.872	6.867	6.889	VV	3153	31535	0.45%	0.008%
121	6.898	6.889	6.902	VV	1539	11570	0.16%	0.003%
122	6.927	6.902	6.938	VV	4505	62712	0.89%	0.017%
123	6.951	6.938	6.957	VV	4622	43245	0.61%	0.011%
124	6.967	6.957	6.975	VV	4941	46227	0.65%	0.012%
125	6.990	6.975	7.006	VV	12437	147134	2.08%	0.039%
126	7.012	7.006	7.020	VV	4699	36265	0.51%	0.010%

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127	7.036	7.020	7.055	VV	8973	119531	1.69%	0.032%
128	7.065	7.055	7.075	VV	2462	21732	0.31%	0.006%
129	7.122	7.075	7.142	VV	9343	195803	2.77%	0.052%
130	7.182	7.142	7.198	PV	6077	133939	1.89%	0.035%
131	7.205	7.198	7.218	VV	3124	27498	0.39%	0.007%
132	7.249	7.218	7.273	VV	18956	253394	3.58%	0.067%
133	7.286	7.273	7.297	VV	3324	39782	0.56%	0.011%
134	7.317	7.297	7.334	VV	5709	100267	1.42%	0.027%
135	7.352	7.334	7.360	VV	10403	119103	1.68%	0.032%
136	7.375	7.360	7.394	VV	13310	192364	2.72%	0.051%
137	7.414	7.394	7.442	VV	14888	219155	3.10%	0.058%
138	7.481	7.442	7.507	VV	25774	454659	6.43%	0.120%
139	7.516	7.507	7.542	VV	7224	106964	1.51%	0.028%
140	7.562	7.542	7.603	VV	22560	371467	5.25%	0.098%
141	7.620	7.603	7.647	VV	15209	220835	3.12%	0.058%
142	7.665	7.647	7.683	VV	9678	140844	1.99%	0.037%
143	7.695	7.683	7.729	VV	4873	102796	1.45%	0.027%
144	7.771	7.729	7.777	VV	28106	351193	4.97%	0.093%
145	7.790	7.777	7.817	VV	37678	514264	7.27%	0.136%
146	7.832	7.817	7.856	VV	11818	208343	2.95%	0.055%
147	7.864	7.856	7.872	VV	8518	80395	1.14%	0.021%
148	7.878	7.872	7.903	VV	8718	114484	1.62%	0.030%
149	7.922	7.903	7.937	VV	5304	89980	1.27%	0.024%
150	7.969	7.937	7.982	VV	22859	342418	4.84%	0.091%
151	7.987	7.982	8.007	VV	16864	178221	2.52%	0.047%
152	8.023	8.007	8.040	VV	8984	116559	1.65%	0.031%
153	8.067	8.040	8.075	VV	7141	92626	1.31%	0.025%
154	8.088	8.075	8.098	VV	10640	121812	1.72%	0.032%
155	8.110	8.098	8.121	VV	11382	130047	1.84%	0.034%
156	8.129	8.121	8.149	VV	9711	129564	1.83%	0.034%
157	8.180	8.149	8.203	VV	8660	204824	2.90%	0.054%
158	8.229	8.203	8.261	VV	19537	414930	5.87%	0.110%
159	8.278	8.261	8.296	VV	13823	218729	3.09%	0.058%
160	8.317	8.296	8.342	VV	14869	267690	3.78%	0.071%
161	8.369	8.342	8.391	VV	18330	356442	5.04%	0.094%
162	8.412	8.391	8.462	VV	37016	823519	11.64%	0.218%
163	8.496	8.462	8.515	VV	35278	624184	8.83%	0.165%
164	8.520	8.515	8.537	VV	11480	132068	1.87%	0.035%
165	8.558	8.537	8.572	VV	13053	230463	3.26%	0.061%
166	8.588	8.572	8.594	VV	18428	196011	2.77%	0.052%
167	8.606	8.594	8.620	VV	22669	285609	4.04%	0.076%
168	8.633	8.620	8.647	VV	21967	290015	4.10%	0.077%
169	8.679	8.647	8.708	VV	250662	3091322	43.71%	0.818%
170	8.720	8.708	8.741	VV	19489	288585	4.08%	0.076%
171	8.793	8.741	8.816	VV	40738	933349	13.20%	0.247%
172	8.846	8.816	8.861	VV	45485	707953	10.01%	0.187%
173	8.868	8.861	8.885	VV	24418	287655	4.07%	0.076%
174	8.905	8.885	8.943	VV	32144	677897	9.58%	0.179%

175	8.975	8.943	9.000	VV	rteres 14094	377588	5.34%	0.100%
176	9.012	9.000	9.023	VV	8165	106638	1.51%	0.028%
177	9.044	9.023	9.048	VV	15562	177390	2.51%	0.047%
178	9.061	9.048	9.068	VV	17148	186169	2.63%	0.049%
179	9.093	9.068	9.114	VV	40268	755454	10.68%	0.200%
180	9.144	9.114	9.162	VV	37672	757523	10.71%	0.200%
181	9.170	9.162	9.192	VV	20315	340243	4.81%	0.090%
182	9.219	9.192	9.245	VV	58989	1034602	14.63%	0.274%
183	9.271	9.245	9.286	VV	16568	363976	5.15%	0.096%
184	9.304	9.286	9.318	VV	17429	310789	4.39%	0.082%
185	9.337	9.318	9.357	VV	29307	507829	7.18%	0.134%
186	9.370	9.357	9.396	VV	33923	536586	7.59%	0.142%
187	9.412	9.396	9.421	VV	14465	207877	2.94%	0.055%
188	9.457	9.421	9.472	VV	21018	537358	7.60%	0.142%
189	9.510	9.472	9.537	VV	94924	1410782	19.95%	0.373%
190	9.551	9.537	9.579	VV	25515	473601	6.70%	0.125%
191	9.602	9.579	9.627	VV	17941	425431	6.02%	0.113%
192	9.667	9.627	9.685	VV	22077	512316	7.24%	0.136%
193	9.699	9.685	9.712	VV	15885	212386	3.00%	0.056%
194	9.720	9.712	9.731	VV	15296	156800	2.22%	0.041%
195	9.749	9.731	9.781	VV	21260	454023	6.42%	0.120%
196	9.804	9.781	9.831	VV	28742	577526	8.17%	0.153%
197	9.847	9.831	9.864	VV	17302	306735	4.34%	0.081%
198	9.890	9.864	9.947	VV	56532	1318282	18.64%	0.349%
199	9.970	9.947	10.002	VV	37843	826813	11.69%	0.219%
200	10.019	10.002	10.038	VV	22009	413337	5.84%	0.109%
201	10.046	10.038	10.058	VV	19946	216322	3.06%	0.057%
202	10.073	10.058	10.110	VV	28982	636170	8.99%	0.168%
203	10.131	10.110	10.148	VV	17139	328998	4.65%	0.087%
204	10.169	10.148	10.196	VV	69481	965678	13.65%	0.255%
205	10.214	10.196	10.232	VV	26015	440535	6.23%	0.117%
206	10.255	10.232	10.276	VV	26346	589639	8.34%	0.156%
207	10.299	10.276	10.353	VV	300712	3895891	55.08%	1.031%
208	10.377	10.353	10.390	VV	14789	299562	4.24%	0.079%
209	10.404	10.390	10.447	VV	16060	375598	5.31%	0.099%
210	10.478	10.447	10.528	VV	19244	555774	7.86%	0.147%
211	10.532	10.528	10.545	VV	9415	94707	1.34%	0.025%
212	10.548	10.545	10.561	VV	8770	78816	1.11%	0.021%
213	10.578	10.561	10.596	VV	14683	226826	3.21%	0.060%
214	10.645	10.596	10.665	VV	25818	624666	8.83%	0.165%
215	10.690	10.665	10.719	VV	69885	1162734	16.44%	0.308%
216	10.750	10.719	10.764	VV	26197	529832	7.49%	0.140%
217	10.779	10.764	10.805	VV	34180	541045	7.65%	0.143%
218	10.825	10.805	10.868	VV	31351	727050	10.28%	0.192%
219	10.896	10.868	10.932	VV	18225	518162	7.33%	0.137%
220	10.955	10.932	11.012	VV	37301	954287	13.49%	0.252%
221	11.043	11.012	11.084	VV	138002	2107950	29.80%	0.558%

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222	11.116	11.084	11.147	VV	109913	1915084	27.08%	0.507%
223	11.164	11.147	11.198	VV	18477	470957	6.66%	0.125%
224	11.207	11.198	11.227	VV	12101	179947	2.54%	0.048%
225	11.274	11.227	11.282	VV	13922	390115	5.52%	0.103%
226	11.310	11.282	11.348	VV	225241	2861311	40.46%	0.757%
227	11.384	11.348	11.407	VV	76901	1228256	17.37%	0.325%
228	11.439	11.407	11.484	VV	27756	800917	11.32%	0.212%
229	11.502	11.484	11.519	VV	19579	310456	4.39%	0.082%
230	11.526	11.519	11.538	VV	12753	129756	1.83%	0.034%
231	11.557	11.538	11.574	VV	19829	320910	4.54%	0.085%
232	11.602	11.574	11.641	VV	27034	634013	8.96%	0.168%
233	11.669	11.641	11.685	VV	15122	327865	4.64%	0.087%
234	11.706	11.685	11.725	VV	16798	362127	5.12%	0.096%
235	11.754	11.725	11.778	VV	313739	3853826	54.49%	1.019%
236	11.785	11.778	11.816	VV	18015	376971	5.33%	0.100%
237	11.843	11.816	11.870	VV	73792	1217517	17.21%	0.322%
238	11.884	11.870	11.893	VV	11118	147118	2.08%	0.039%
239	11.909	11.893	11.931	VV	14626	257467	3.64%	0.068%
240	11.950	11.931	11.981	VV	13874	315447	4.46%	0.083%
241	12.014	11.981	12.028	VV	15128	356944	5.05%	0.094%
242	12.051	12.028	12.091	VV	18763	546415	7.73%	0.145%
243	12.118	12.091	12.133	VV	31713	486780	6.88%	0.129%
244	12.150	12.133	12.177	VV	48323	693811	9.81%	0.184%
245	12.191	12.177	12.201	VV	15510	191785	2.71%	0.051%
246	12.235	12.201	12.254	VV	42663	766858	10.84%	0.203%
247	12.268	12.254	12.283	VV	26935	343994	4.86%	0.091%
248	12.428	12.349	12.464	VV	124215	2194894	31.03%	0.581%
249	12.483	12.464	12.510	VV	23998	443719	6.27%	0.117%
250	12.522	12.510	12.526	VV	10911	103456	1.46%	0.027%
251	12.532	12.526	12.552	VV	11843	156656	2.21%	0.041%
252	12.556	12.552	12.572	VV	8639	95274	1.35%	0.025%
253	12.591	12.572	12.608	VV	18899	267953	3.79%	0.071%
254	12.624	12.608	12.639	VV	8626	128262	1.81%	0.034%
255	12.687	12.639	12.725	VV	116052	1830953	25.89%	0.484%
256	12.736	12.725	12.757	VV	13993	203278	2.87%	0.054%
257	12.772	12.757	12.786	VV	10911	152433	2.16%	0.040%
258	12.809	12.786	12.828	VV	14511	285016	4.03%	0.075%
259	12.844	12.828	12.880	VV	19346	363661	5.14%	0.096%
260	12.917	12.880	12.930	VV	14583	315653	4.46%	0.084%
261	12.934	12.930	12.954	VV	12700	125340	1.77%	0.033%
262	12.982	12.954	13.010	VV	22452	427415	6.04%	0.113%
263	13.028	13.010	13.045	VV	24777	360250	5.09%	0.095%
264	13.075	13.045	13.120	VV	292979	3720320	52.60%	0.984%
265	13.150	13.120	13.192	VV	364339	4400896	62.22%	1.164%
266	13.213	13.192	13.235	VV	7762	147276	2.08%	0.039%
267	13.241	13.235	13.247	VV	3400	21530	0.30%	0.006%
268	13.250	13.247	13.256	VV	3572	18121	0.26%	0.005%
269	13.283	13.256	13.294	VV	10731	157140	2.22%	0.042%

270	13.301	13.294	13.312	VV	rteres 9650	93889	1.33%	0.025%
271	13.332	13.312	13.347	VV	18814	305181	4.31%	0.081%
272	13.356	13.347	13.385	VV	13062	219723	3.11%	0.058%
273	13.397	13.385	13.416	VV	8679	98832	1.40%	0.026%
274	13.451	13.416	13.486	PV	289195	3521553	49.79%	0.932%
275	13.503	13.486	13.517	VV	22029	295721	4.18%	0.078%
276	13.534	13.517	13.555	VV	30422	403031	5.70%	0.107%
277	13.578	13.555	13.605	VV	9888	192848	2.73%	0.051%
278	13.625	13.605	13.639	VV	11658	152918	2.16%	0.040%
279	13.653	13.639	13.668	VV	11096	133432	1.89%	0.035%
280	13.690	13.668	13.711	VV	71442	906950	12.82%	0.240%
281	13.715	13.711	13.741	VV	17950	237358	3.36%	0.063%
282	13.757	13.741	13.774	VV	14979	241849	3.42%	0.064%
283	13.780	13.774	13.828	VV	14220	229746	3.25%	0.061%
284	13.848	13.828	13.863	PV	9825	119647	1.69%	0.032%
285	13.866	13.863	13.887	VV	6772	62671	0.89%	0.017%
286	13.922	13.887	13.950	VV	36035	601605	8.51%	0.159%
287	13.955	13.950	13.987	VV	6127	116210	1.64%	0.031%
288	14.040	13.987	14.066	VV	32840	611790	8.65%	0.162%
289	14.071	14.066	14.093	VV	6427	87575	1.24%	0.023%
290	14.117	14.093	14.131	VV	8554	150809	2.13%	0.040%
291	14.150	14.131	14.169	VV	17258	248632	3.52%	0.066%
292	14.191	14.169	14.213	VV	22838	332580	4.70%	0.088%
293	14.231	14.213	14.252	VV	9495	154664	2.19%	0.041%
294	14.283	14.252	14.308	VV	219526	2829089	40.00%	0.748%
295	14.321	14.308	14.344	VV	23493	325126	4.60%	0.086%
296	14.363	14.344	14.387	VV	20057	247915	3.51%	0.066%
297	14.394	14.387	14.398	VV	2499	13567	0.19%	0.004%
298	14.421	14.398	14.426	VV	4608	57433	0.81%	0.015%
299	14.436	14.426	14.460	VV	5233	56364	0.80%	0.015%
300	14.470	14.460	14.474	VV	1629	11270	0.16%	0.003%
301	14.507	14.474	14.544	VV	9592	234503	3.32%	0.062%
302	14.556	14.544	14.562	VV	3281	27391	0.39%	0.007%
303	14.580	14.562	14.594	VV	3989	55901	0.79%	0.015%
304	14.605	14.594	14.624	VV	3172	36987	0.52%	0.010%
305	14.647	14.624	14.661	PV	4544	62319	0.88%	0.016%
306	14.674	14.661	14.677	VV	5958	44900	0.63%	0.012%
307	14.682	14.677	14.690	VV	5605	36274	0.51%	0.010%
308	14.716	14.690	14.733	VV	6571	125144	1.77%	0.033%
309	14.784	14.733	14.827	VV	31853	705098	9.97%	0.187%
310	14.850	14.827	14.872	VV	33988	438384	6.20%	0.116%
311	14.964	14.933	15.007	VV	25090	519148	7.34%	0.137%
312	15.030	15.007	15.050	VV	35278	477857	6.76%	0.126%
313	15.073	15.050	15.078	VV	12728	146990	2.08%	0.039%
314	15.094	15.078	15.137	VV	26486	405062	5.73%	0.107%
315	15.156	15.137	15.164	VV	6763	83771	1.18%	0.022%
316	15.190	15.164	15.262	VV	76937	1250203	17.68%	0.331%

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317	15.298	15.262	15.317	PV	13198	203615	2.88%	0.054%
318	15.346	15.317	15.366	VV	141972	1880655	26.59%	0.498%
319	15.391	15.366	15.425	VV	266336	3900757	55.15%	1.032%
320	15.440	15.425	15.464	VV	9388	141757	2.00%	0.038%
321	15.507	15.464	15.566	VV	25600	724080	10.24%	0.192%
322	15.590	15.566	15.621	VV	13301	234610	3.32%	0.062%
323	15.652	15.621	15.679	VV	18474	341196	4.82%	0.090%
324	15.688	15.679	15.706	VV	12001	150277	2.12%	0.040%
325	15.716	15.706	15.721	VV	9356	75024	1.06%	0.020%
326	15.729	15.721	15.752	VV	9729	133048	1.88%	0.035%
327	15.781	15.752	15.817	VV	46968	841190	11.89%	0.223%
328	15.831	15.817	15.857	VV	10976	185722	2.63%	0.049%
329	15.864	15.857	15.880	VV	3730	42551	0.60%	0.011%
330	15.919	15.880	15.934	VV	17981	326767	4.62%	0.086%
331	15.938	15.934	15.962	VV	15157	160506	2.27%	0.042%
332	15.982	15.962	15.995	VV	7663	126501	1.79%	0.033%
333	16.023	15.995	16.045	VV	31165	449856	6.36%	0.119%
334	16.065	16.045	16.095	VV	18946	251835	3.56%	0.067%
335	16.099	16.095	16.103	VV	2285	7705	0.11%	0.002%
336	16.109	16.103	16.114	VV	2065	8186	0.12%	0.002%
337	16.261	16.214	16.282	VV	9835	204396	2.89%	0.054%
338	16.315	16.282	16.331	VV	4592	86797	1.23%	0.023%
339	16.354	16.331	16.369	VV	10931	140469	1.99%	0.037%
340	16.427	16.369	16.453	VV	159864	2326868	32.90%	0.616%
341	16.462	16.453	16.493	VV	15284	215086	3.04%	0.057%
342	16.498	16.493	16.515	VV	6716	54498	0.77%	0.014%
343	16.525	16.515	16.552	VV	5598	72693	1.03%	0.019%
344	16.556	16.552	16.566	PV	3149	23873	0.34%	0.006%
345	16.576	16.566	16.584	VV	3662	22586	0.32%	0.006%
346	16.624	16.584	16.632	VV	16029	229979	3.25%	0.061%
347	16.644	16.632	16.686	VV	15336	328886	4.65%	0.087%
348	16.705	16.686	16.721	VV	15152	237676	3.36%	0.063%
349	16.735	16.721	16.755	VV	18223	302726	4.28%	0.080%
350	16.771	16.755	16.781	VV	13229	179887	2.54%	0.048%
351	16.803	16.781	16.816	VV	16091	271056	3.83%	0.072%
352	16.832	16.816	16.853	VV	21966	371918	5.26%	0.098%
353	16.857	16.853	16.881	VV	12971	164929	2.33%	0.044%
354	16.924	16.881	16.943	VV	178982	2823974	39.93%	0.747%
355	16.950	16.943	16.986	VV	74786	868488	12.28%	0.230%
356	17.056	16.986	17.076	VV	42243	991315	14.02%	0.262%
357	17.084	17.076	17.098	VV	18915	221025	3.13%	0.058%
358	17.140	17.098	17.161	VV	19763	567822	8.03%	0.150%
359	17.180	17.161	17.187	VV	19845	221468	3.13%	0.059%
360	17.218	17.187	17.229	VV	47525	726859	10.28%	0.192%
361	17.250	17.229	17.280	VV	114775	1798666	25.43%	0.476%
362	17.309	17.280	17.344	VV	123660	1978252	27.97%	0.523%
363	17.386	17.344	17.405	VV	171904	2741283	38.76%	0.725%
364	17.411	17.405	17.440	VV	70934	927548	13.11%	0.245%

365	17.459	17.440	17.480	VV	rteres 30456	543006	7.68%	0.144%
366	17.501	17.480	17.506	VV	24251	329983	4.67%	0.087%
367	17.514	17.506	17.531	VV	26990	347870	4.92%	0.092%
368	17.603	17.587	17.614	VV	32917	488558	6.91%	0.129%
369	17.618	17.614	17.625	VV	31167	187003	2.64%	0.049%
370	17.643	17.625	17.661	VV	38311	706883	9.99%	0.187%
371	17.673	17.661	17.680	VV	34339	368524	5.21%	0.097%
372	17.688	17.680	17.697	VV	33237	316176	4.47%	0.084%
373	17.719	17.697	17.740	VV	46662	986760	13.95%	0.261%
374	17.758	17.740	17.763	VV	33724	424353	6.00%	0.112%
375	17.818	17.792	17.860	VV	55432	1699509	24.03%	0.450%
376	17.863	17.860	17.866	VV	29151	102742	1.45%	0.027%
377	17.900	17.866	17.904	VV	35186	757704	10.71%	0.200%
378	17.911	17.904	17.915	VV	34251	214038	3.03%	0.057%
379	17.928	17.915	17.944	VV	40561	593635	8.39%	0.157%
380	17.968	17.944	18.001	VV	56969	1376167	19.46%	0.364%
381	18.025	18.001	18.048	VV	47309	1133941	16.03%	0.300%
382	18.063	18.048	18.082	VV	43305	748046	10.58%	0.198%
383	18.111	18.082	18.115	VV	41414	728407	10.30%	0.193%
384	18.123	18.115	18.145	VV	46191	722781	10.22%	0.191%
385	18.173	18.145	18.177	VV	45247	782407	11.06%	0.207%
386	18.189	18.177	18.193	VV	48981	446226	6.31%	0.118%
387	18.200	18.193	18.222	VV	53811	834995	11.81%	0.221%
388	18.230	18.222	18.234	VV	46161	317323	4.49%	0.084%
389	18.239	18.234	18.246	VV	48448	343838	4.86%	0.091%
390	18.282	18.246	18.324	VV	204147	4465011	63.13%	1.181%
391	18.345	18.324	18.361	VV	57082	1012385	14.31%	0.268%
392	18.372	18.361	18.379	VV	48723	480856	6.80%	0.127%
393	18.385	18.379	18.392	VV	50096	370769	5.24%	0.098%
394	18.443	18.392	18.458	VV	107650	2741626	38.76%	0.725%
395	18.462	18.458	18.474	VV	72152	649523	9.18%	0.172%
396	18.479	18.474	18.514	VV	70647	1365598	19.31%	0.361%
397	18.519	18.514	18.528	VV	51518	391915	5.54%	0.104%
398	18.536	18.528	18.542	VV	51015	375462	5.31%	0.099%
399	18.549	18.542	18.560	VV	53509	534969	7.56%	0.142%
400	18.608	18.560	18.628	VV	76899	2478753	35.05%	0.656%
401	18.640	18.628	18.667	VV	80393	1643912	23.24%	0.435%
402	18.672	18.667	18.677	VV	60859	369286	5.22%	0.098%
403	18.732	18.728	18.735	VV	61343	232881	3.29%	0.062%
404	18.744	18.735	18.753	VV	69636	707359	10.00%	0.187%
405	18.758	18.753	18.763	VV	62828	355017	5.02%	0.094%
406	18.780	18.763	18.793	VV	72650	1196413	16.92%	0.316%
407	18.816	18.793	18.854	VV	121046	3288100	46.49%	0.870%
408	18.858	18.854	18.864	VV	73620	420897	5.95%	0.111%
409	18.868	18.864	18.911	VV	72607	1836718	25.97%	0.486%
410	18.963	18.911	18.987	VV	166558	4256735	60.19%	1.126%
411	18.994	18.987	19.005	VV	68884	746487	10.55%	0.197%

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412	19.013	19.005	19.019	VV	68394	512676	7.25%	0.136%
413	19.028	19.019	19.035	VV	69935	656040	9.28%	0.174%
414	19.041	19.035	19.044	VV	67331	329372	4.66%	0.087%
415	19.048	19.044	19.055	VV	69674	446408	6.31%	0.118%
416	19.123	19.055	19.157	VV	212938	6588781	93.16%	1.743%
417	19.162	19.157	19.174	VV	66833	648074	9.16%	0.171%
418	19.193	19.174	19.202	VV	73999	1121225	15.85%	0.297%
419	19.237	19.202	19.260	VV	105989	2961592	41.87%	0.783%
420	19.287	19.260	19.310	VV	112042	2735595	38.68%	0.724%
421	19.314	19.310	19.324	VV	87560	665691	9.41%	0.176%
422	19.331	19.324	19.340	VV	86465	773396	10.93%	0.205%
423	19.350	19.340	19.359	VV	81787	893216	12.63%	0.236%
424	19.383	19.359	19.387	VV	88156	1359781	19.23%	0.360%
425	19.401	19.387	19.407	VV	99325	1143150	16.16%	0.302%
426	19.421	19.407	19.447	VV	102650	2270218	32.10%	0.601%
427	19.485	19.447	19.497	VV	114462	3051301	43.14%	0.807%
428	19.502	19.497	19.509	VV	110417	740571	10.47%	0.196%
429	19.529	19.509	19.544	VV	112800	2225852	31.47%	0.589%
430	19.548	19.544	19.554	VV	105069	611422	8.64%	0.162%
431	19.567	19.554	19.609	VV	123284	3509542	49.62%	0.928%
432	19.643	19.609	19.649	VV	118882	2526871	35.73%	0.668%
433	19.694	19.690	19.704	VV	103414	794458	11.23%	0.210%
434	19.730	19.704	19.736	VV	106142	1939383	27.42%	0.513%
435	19.744	19.736	19.750	VV	106355	851910	12.04%	0.225%
436	19.756	19.750	19.759	VV	104426	519151	7.34%	0.137%
437	19.762	19.759	19.780	VV	105270	1332365	18.84%	0.352%
438	19.784	19.780	19.795	VV	110340	914646	12.93%	0.242%
439	19.811	19.795	19.820	VV	116694	1618579	22.88%	0.428%
440	19.832	19.820	19.845	VV	121451	1765045	24.96%	0.467%
441	19.955	19.940	19.983	VV	143110	3372985	47.69%	0.892%
442	19.990	19.983	19.995	VV	126712	895789	12.67%	0.237%
443	20.000	19.995	20.005	VV	124378	690136	9.76%	0.183%
444	20.017	20.005	20.021	VV	134763	1234069	17.45%	0.326%
445	20.076	20.070	20.081	VV	133047	801895	11.34%	0.212%
446	20.134	20.101	20.139	VV	168314	3480683	49.21%	0.921%
447	20.142	20.139	20.160	VV	165385	2055817	29.07%	0.544%
448	20.166	20.160	20.171	VV	156594	989428	13.99%	0.262%
449	20.263	20.243	20.270	VV	188842	2698772	38.16%	0.714%
450	20.283	20.270	20.321	VV	196736	5381489	76.09%	1.424%
451	20.325	20.321	20.330	VV	164423	895282	12.66%	0.237%
452	20.360	20.347	20.366	VV	170304	1939695	27.42%	0.513%
453	20.369	20.366	20.377	VV	154755	971011	13.73%	0.257%
454	20.382	20.377	20.387	VV	163915	924017	13.06%	0.244%
455	20.392	20.387	20.404	VV	156154	1541194	21.79%	0.408%
456	20.408	20.404	20.427	VV	166297	2224646	31.45%	0.589%
457	20.440	20.427	20.445	VV	166470	1771731	25.05%	0.469%
458	20.460	20.445	20.475	VV	184029	3158590	44.66%	0.836%
459	20.556	20.548	20.560	VV	193924	1343384	18.99%	0.355%

460	20.588	20.560	20.599	VV	rteres 214778	4691104	66.33%	1.241%
461	20.602	20.599	20.607	VV	207785	1017269	14.38%	0.269%
462	20.614	20.607	20.625	VV	201961	2165836	30.62%	0.573%
463	20.632	20.625	20.641	VV	202475	1848000	26.13%	0.489%
464	20.661	20.641	20.691	VV	295963	7072749	100.00%	1.871%
465	20.695	20.691	20.729	VV	192481	4269475	60.37%	1.129%
466	20.743	20.729	20.762	VV	207092	3900026	55.14%	1.032%
467	20.765	20.762	20.778	VV	192866	1785317	25.24%	0.472%
468	20.784	20.778	20.790	VV	185785	1339063	18.93%	0.354%
469	20.819	20.790	20.839	VV	193573	5394441	76.27%	1.427%
470	20.880	20.865	20.885	VV	196778	2246919	31.77%	0.594%
471	20.912	20.907	20.916	VV	187816	985983	13.94%	0.261%
472	20.983	20.975	20.994	VV	173613	1898864	26.85%	0.502%
473	21.031	20.994	21.035	VV	178119	4030246	56.98%	1.066%
474	21.040	21.035	21.047	VV	170713	1138909	16.10%	0.301%
475	21.052	21.047	21.056	VV	160925	836127	11.82%	0.221%
476	21.059	21.056	21.072	VV	159754	1462162	20.67%	0.387%
477	21.079	21.072	21.094	VV	154243	1965273	27.79%	0.520%
478	21.106	21.094	21.110	VV	156908	1453069	20.54%	0.384%
479	21.115	21.110	21.121	VV	157107	945379	13.37%	0.250%
480	21.140	21.121	21.152	VV	166866	2915090	41.22%	0.771%
481	21.157	21.152	21.170	VV	163914	1663208	23.52%	0.440%
482	21.176	21.170	21.182	VV	160175	1145805	16.20%	0.303%
483	21.196	21.194	21.232	VV	166256	3573387	50.52%	0.945%
484	21.235	21.232	21.260	VV	151438	2382478	33.69%	0.630%
485	21.266	21.260	21.271	VV	151145	923269	13.05%	0.244%
486	21.275	21.271	21.282	VV	157797	1009807	14.28%	0.267%
487	21.290	21.282	21.295	VV	150305	1188201	16.80%	0.314%
488	21.301	21.295	21.317	VV	149634	1875662	26.52%	0.496%
489	21.323	21.317	21.334	VV	151130	1499293	21.20%	0.397%
490	21.340	21.334	21.365	VV	155894	2575808	36.42%	0.681%
491	21.370	21.365	21.375	VV	134584	774472	10.95%	0.205%
492	21.378	21.375	21.390	VV	134376	1135437	16.05%	0.300%
493	21.403	21.390	21.421	VV	129047	2143483	30.31%	0.567%
494	21.459	21.421	21.489	VV	188636	5962556	84.30%	1.577%
495	21.495	21.489	21.519	VV	116510	1955224	27.64%	0.517%
496	21.579	21.567	21.590	VV	111367	1463575	20.69%	0.387%
497	21.597	21.590	21.611	VV	115047	1327300	18.77%	0.351%
498	21.615	21.611	21.630	VV	111573	1244535	17.60%	0.329%
499	21.652	21.630	21.658	VV	112358	1743973	24.66%	0.461%
500	21.667	21.658	21.700	VV	108623	2424347	34.28%	0.641%
501	21.721	21.700	21.749	VV	100410	2656664	37.56%	0.703%
502	21.751	21.749	21.757	VV	91417	443009	6.26%	0.117%
503	21.762	21.757	21.767	VV	85989	483773	6.84%	0.128%
504	21.771	21.767	21.802	VV	94203	1690981	23.91%	0.447%
505	21.812	21.802	21.829	VV	83016	1214029	17.16%	0.321%
506	21.834	21.829	21.839	VV	76706	466973	6.60%	0.124%

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507	21.850	21.839	21.882	VV	77379	1795016	25.38%	0.475%
508	21.887	21.882	21.891	VV	65339	317116	4.48%	0.084%
509	21.894	21.891	21.898	VV	66140	301748	4.27%	0.080%
510	21.914	21.898	21.955	VV	78244	2378063	33.62%	0.629%
511	21.960	21.955	21.967	VV	63745	398459	5.63%	0.105%
512	21.981	21.967	21.991	VV	56578	743290	10.51%	0.197%
513	21.995	21.991	22.007	VV	51877	466834	6.60%	0.123%
514	22.074	22.052	22.095	VV	56821	1292107	18.27%	0.342%
515	22.102	22.095	22.109	VV	51405	381820	5.40%	0.101%
516	22.111	22.109	22.125	VV	48272	439694	6.22%	0.116%
517	22.139	22.125	22.144	VV	47144	511421	7.23%	0.135%
518	22.156	22.144	22.176	VV	48076	792381	11.20%	0.210%
519	22.181	22.176	22.217	VV	40477	844624	11.94%	0.223%
520	22.222	22.217	22.257	VV	37657	696231	9.84%	0.184%
521	22.261	22.257	22.293	VV	25957	510155	7.21%	0.135%
522	22.305	22.293	22.323	VV	24643	283749	4.01%	0.075%
523	22.333	22.323	22.354	VV	15081	211050	2.98%	0.056%
524	22.361	22.354	22.376	VV	12544	119603	1.69%	0.032%
525	22.382	22.376	22.396	VV	11612	76085	1.08%	0.020%
526	22.401	22.396	22.415	PV	5717	45185	0.64%	0.012%
527	22.422	22.415	22.443	VV	6572	45903	0.65%	0.012%
528	22.475	22.443	22.500	PBA	49314	1076282	15.22%	0.285%
					Sum of corrected areas:	378015516		

FG080525.M Fri Sep 05 05:13:19 2025

Manual Integration Report

Sample ID	ClientId ID	File ID	Sequence ID	Parameter	Supervised By	Supervised On	Reason
100 TRPH STD		FG016345.D	FG080525	N-TETRACONTANE	mohammad	8/7/2025 1:28:09 AM	Peak Integrated by Software incorrectly

Manual Integration Report

Sample ID	ClientID ID	File ID	Sequence ID	Parameter	Supervised By	Supervised On	Reason
.BLK		FG016538.D	FG090425	TETRACOSANE-d50 (SURROGA	 	 	Peak Integrated by Software incorrectly
50 PPM TRPH STD		FG016539.D	FG090425	N-HEXATRIACONTANE	 	 	Peak Integrated by Software incorrectly
50 PPM TRPH STD		FG016539.D	FG090425	N-OCTATRIACONTANE	 	 	Peak Integrated by Software incorrectly
50 PPM TRPH STD		FG016539.D	FG090425	TETRACOSANE-d50 (SURROGA	 	 	Peak Integrated by Software incorrectly
RT MARKER		FG016540.D	FG090425	N-OCTACOSANE	 	 	Peak Integrated by Software incorrectly
Q2998-01		FG016541.D	FG090425	TETRACOSANE-d50 (SURROGA	 	 	Peak Integrated by Software incorrectly
Q2998-01		FG016544.D	FG090425	TETRACOSANE-d50 (SURROGA	 	 	Peak Integrated by Software incorrectly
50 PPM TRPH STD		FG016546.D	FG090425	N-HEXATRIACONTANE	 	 	Peak Integrated by Software incorrectly
50 PPM TRPH STD		FG016546.D	FG090425	N-OCTATRIACONTANE	 	 	Peak Integrated by Software incorrectly
50 PPM TRPH STD		FG016546.D	FG090425	N-TETRACONTANE	 	 	Peak Integrated by Software incorrectly
PB169544BS		FG016548.D	FG090425	N-DOTRIACONTANE	 	 	Peak Integrated by Software incorrectly
PB169544BS		FG016548.D	FG090425	N-HEXATRIACONTANE	 	 	Peak Integrated by Software incorrectly
PB169544BS		FG016548.D	FG090425	N-OCTATRIACONTANE	 	 	Peak Integrated by Software incorrectly
PB169544BS		FG016548.D	FG090425	N-TRIACONTANE	 	 	Peak Integrated by Software incorrectly
Q2998-01MS		FG016549.D	FG090425	N-DODECANE	 	 	Peak Integrated by Software incorrectly
Q2998-01MS		FG016549.D	FG090425	N-DOTRIACONTANE	 	 	Peak Integrated by Software incorrectly
Q2998-01MS		FG016549.D	FG090425	N-HEXACOSANE	 	 	Peak Integrated by Software incorrectly
Q2998-01MS		FG016549.D	FG090425	N-HEXADECANE	 	 	Peak Integrated by Software incorrectly
Q2998-01MS		FG016549.D	FG090425	N-HEXATRIACONTANE	 	 	Peak Integrated by Software incorrectly
Q2998-01MS		FG016549.D	FG090425	N-OCTADECANE	 	 	Peak Integrated by Software incorrectly
Q2998-01MS		FG016549.D	FG090425	N-TETRACONTANE	 	 	Peak Integrated by Software incorrectly
Q2998-01MS		FG016549.D	FG090425	N-TETRADECANE	 	 	Peak Integrated by Software incorrectly

Manual Integration Report

Q2998-01MS		FG016549.D	FG090425	N-TRIACONTANE	 	 	Peak Integrated by Software incorrectly
Q2998-01MS		FG016549.D	FG090425	TETRACOSANE-d50 (SURROGA	 	 	Peak Integrated by Software incorrectly
Q2998-01MSD		FG016550.D	FG090425	N-DODECANE	 	 	Peak Integrated by Software incorrectly
Q2998-01MSD		FG016550.D	FG090425	N-DOTRIACONTANE	 	 	Peak Integrated by Software incorrectly
Q2998-01MSD		FG016550.D	FG090425	N-HEXACOSANE	 	 	Peak Integrated by Software incorrectly
Q2998-01MSD		FG016550.D	FG090425	N-HEXADECANE	 	 	Peak Integrated by Software incorrectly
Q2998-01MSD		FG016550.D	FG090425	N-OCTADECANE	 	 	Peak Integrated by Software incorrectly
Q2998-01MSD		FG016550.D	FG090425	N-OCTATRIACONTANE	 	 	Peak Integrated by Software incorrectly
Q2998-01MSD		FG016550.D	FG090425	N-TETRACONTANE	 	 	Peak Integrated by Software incorrectly
Q2998-01MSD		FG016550.D	FG090425	N-TETRADECANE	 	 	Peak Integrated by Software incorrectly
.BLK		FG016551.D	FG090425	TETRACOSANE-d50 (SURROGA	 	 	Peak Integrated by Software incorrectly
50 PPM TRPH STD		FG016552.D	FG090425	N-DOTRIACONTANE	 	 	Peak Integrated by Software incorrectly
50 PPM TRPH STD		FG016552.D	FG090425	N-HEXACOSANE	 	 	Peak Integrated by Software incorrectly
50 PPM TRPH STD		FG016552.D	FG090425	N-HEXATRIACONTANE	 	 	Peak Integrated by Software incorrectly
50 PPM TRPH STD		FG016552.D	FG090425	N-OCTACOSANE	 	 	Peak Integrated by Software incorrectly
50 PPM TRPH STD		FG016552.D	FG090425	N-OCTATRIACONTANE	 	 	Peak Integrated by Software incorrectly
50 PPM TRPH STD		FG016552.D	FG090425	N-TETRACONTANE	 	 	Peak Integrated by Software incorrectly

Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QC Batch ID # FG080525

Review By	yogesh	Review On	8/5/2025 1:54:47 PM
Supervise By	mohammad	Supervise On	8/7/2025 1:28:09 AM
SubDirectory	FG080525	HP Acquire Method	HP Processing Method FG080525
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24467,PP24469,PP24470,PP24471,PP24472		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24468,PP24473		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FG016343.D	05 Aug 2025 09:42	YP\AJ	Ok
2	I.BLK	FG016344.D	05 Aug 2025 10:12	YP\AJ	Ok
3	100 TRPH STD	FG016345.D	05 Aug 2025 10:41	YP\AJ	Ok,M
4	50 TRPH STD	FG016346.D	05 Aug 2025 11:11	YP\AJ	Ok
5	20 TRPH STD	FG016347.D	05 Aug 2025 11:40	YP\AJ	Ok
6	10 TRPH STD	FG016348.D	05 Aug 2025 12:10	YP\AJ	Ok
7	5 TRPH STD	FG016349.D	05 Aug 2025 12:39	YP\AJ	Ok
8	FG080525ICV	FG016350.D	05 Aug 2025 13:24	YP\AJ	Ok

M : Manual Integration

Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QC Batch ID # FG090425

Review By	yogesh	Review On	9/4/2025 10:42:37 AM
Supervise By		Supervise On	
SubDirectory	FG090425	HP Acquire Method	HP Processing Method FG080525
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24467,PP24469,PP24470,PP24471,PP24472		
CCC Internal Standard/PEM	PP24469		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24468,PP24473		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FG016537.D	04 Sep 2025 07:40	YP\AJ	Ok
2	I.BLK	FG016538.D	04 Sep 2025 09:39	YP\AJ	Ok,NS
3	50 PPM TRPH STD	FG016539.D	04 Sep 2025 10:08	YP\AJ	Ok,NS
4	RT MARKER	FG016540.D	04 Sep 2025 11:17	YP\AJ	Ok,NS
5	Q2998-01	FG016541.D	04 Sep 2025 11:48	YP\AJ	Dilution
6	Q3011-01	FG016542.D	04 Sep 2025 12:18	YP\AJ	Ok
7	Q3012-01	FG016543.D	04 Sep 2025 12:48	YP\AJ	Ok
8	Q2998-01	FG016544.D	04 Sep 2025 13:17	YP\AJ	Ok,NS
9	I.BLK	FG016545.D	04 Sep 2025 14:16	YP\AJ	Ok
10	50 PPM TRPH STD	FG016546.D	04 Sep 2025 14:46	YP\AJ	Ok,NS
11	PB169544BL	FG016547.D	04 Sep 2025 15:16	YP\AJ	Ok
12	PB169544BS	FG016548.D	04 Sep 2025 15:45	YP\AJ	Ok,NS
13	Q2998-01MS	FG016549.D	04 Sep 2025 16:15	YP\AJ	Ok,NS
14	Q2998-01MSD	FG016550.D	04 Sep 2025 16:45	YP\AJ	Ok,NS
15	I.BLK	FG016551.D	04 Sep 2025 17:15	YP\AJ	Ok,NS
16	50 PPM TRPH STD	FG016552.D	04 Sep 2025 18:14	YP\AJ	Ok,NS

M : Manual Integration

Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QC Batch ID # FG080525

Review By	yogesh	Review On	8/5/2025 1:54:47 PM
Supervise By	mohammad	Supervise On	8/7/2025 1:28:09 AM
SubDirectory	FG080525	HP Acquire Method	HP Processing Method FG080525
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24467,PP24469,PP24470,PP24471,PP24472		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24468,PP24473		

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2		FG016343.D	05 Aug 2025 09:42		YP\AJ	Ok
2	I.BLK		FG016344.D	05 Aug 2025 10:12		YP\AJ	Ok
3	100 TRPH STD		FG016345.D	05 Aug 2025 10:41		YP\AJ	Ok,M
4	50 TRPH STD		FG016346.D	05 Aug 2025 11:11		YP\AJ	Ok
5	20 TRPH STD		FG016347.D	05 Aug 2025 11:40		YP\AJ	Ok
6	10 TRPH STD		FG016348.D	05 Aug 2025 12:10		YP\AJ	Ok
7	5 TRPH STD		FG016349.D	05 Aug 2025 12:39		YP\AJ	Ok
8	FG080525ICV		FG016350.D	05 Aug 2025 13:24		YP\AJ	Ok

M : Manual Integration

Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QC Batch ID # FG090425

Review By	yogesh	Review On	9/4/2025 10:42:37 AM
Supervise By		Supervise On	
SubDirectory	FG090425	HP Acquire Method	HP Processing Method FG080525
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24467,PP24469,PP24470,PP24471,PP24472		
CCC	PP24469		
Internal Standard/PEM			
ICV/I.BLK	PP24468,PP24473		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2		FG016537.D	04 Sep 2025 07:40		YPIAJ	Ok
2	I.BLK		FG016538.D	04 Sep 2025 09:39		YPIAJ	Ok,NS
3	50 PPM TRPH STD		FG016539.D	04 Sep 2025 10:08		YPIAJ	Ok,NS
4	RT MARKER		FG016540.D	04 Sep 2025 11:17		YPIAJ	Ok,NS
5	Q2998-01		FG016541.D	04 Sep 2025 11:48	Need 10X	YPIAJ	Dilution
6	Q3011-01		FG016542.D	04 Sep 2025 12:18		YPIAJ	Ok
7	Q3012-01		FG016543.D	04 Sep 2025 12:48		YPIAJ	Ok
8	Q2998-01		FG016544.D	04 Sep 2025 13:17		YPIAJ	Ok,NS
9	I.BLK		FG016545.D	04 Sep 2025 14:16		YPIAJ	Ok
10	50 PPM TRPH STD		FG016546.D	04 Sep 2025 14:46		YPIAJ	Ok,NS
11	PB169544BL		FG016547.D	04 Sep 2025 15:16		YPIAJ	Ok
12	PB169544BS		FG016548.D	04 Sep 2025 15:45		YPIAJ	Ok,NS
13	Q2998-01MS		FG016549.D	04 Sep 2025 16:15		YPIAJ	Ok,NS
14	Q2998-01MSD		FG016550.D	04 Sep 2025 16:45		YPIAJ	Ok,NS
15	I.BLK		FG016551.D	04 Sep 2025 17:15		YPIAJ	Ok,NS
16	50 PPM TRPH STD		FG016552.D	04 Sep 2025 18:14		YPIAJ	Ok,NS

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: JIGNESH
Date: 9/5/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:30
In Date: 09/04/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:33
Out Date: 09/05/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137064

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
Q3011-01	WASTE	1	1.15	10.35	11.5	10.87	93.9	
Q3011-02	VOC	2	1.16	10.41	11.57	10.9	93.6	
Q3011-03	1	3	1.16	10.43	11.59	10.77	92.1	
Q3011-04	2	4	1.17	10.79	11.96	10.8	89.2	
Q3011-05	3	5	1.15	10.33	11.48	10.73	92.7	
Q3011-06	4	6	1.13	10.33	11.46	10.79	93.5	
Q3011-07	5	7	1.19	10.43	11.62	11.22	96.2	
Q3011-08	6	8	1.19	10.40	11.59	10.81	92.5	
Q3012-01	WASTE	9	1.16	10.78	11.94	11.34	94.4	
Q3012-02	VOC	10	1.14	10.82	11.96	11.48	95.6	
Q3012-03	1	11	1.15	10.30	11.45	10.86	94.3	
Q3012-04	2	12	1.17	10.77	11.94	11.22	93.3	
Q3012-05	3	13	1.15	10.81	11.96	11.31	94.0	
Q3012-06	4	14	1.16	10.39	11.55	11.00	94.7	
Q3012-07	5	15	1.12	10.19	11.31	10.5	92.1	
Q3012-07D	5DUP	16	1.17	10.17	11.34	10.53	92.0	
Q3014-01	Red Firestop Sealant	17	1.00	1.00	2.00	2.00	100.0	Caulk sample
Q3014-02	Sidewalk Joint Caulk	18	1.00	1.00	2.00	2.00	100.0	Caulk sample
Q3014-03	Ext Metal Wall panel Caulk	19	1.00	1.00	2.00	2.00	100.0	Caulk sample
Q3021-02	821-ABC	20	1.00	1.00	2.00	2.00	100.0	oil sample
Q3021-04	821-DEF	21	1.00	1.00	2.00	2.00	100.0	oil sample
Q3021-06	821-GHI	22	1.00	1.00	2.00	2.00	100.0	oil sample
Q3023-01	TP-1	23	1.14	10.62	11.76	10.5	88.1	
Q3023-04	TP-2	24	1.19	10.51	11.7	10.9	92.4	
Q3026-01	EO-02-09042025	25	1.14	10.85	11.99	11.08	91.6	
Q3026-02	EO-02-09042025-E2	26	1.18	10.36	11.54	10.56	90.5	
Q3027-01	HD-01-09042025	27	1.11	10.55	11.66	11.06	94.3	
Q3027-02	HD-01-09042025-E2	28	1.19	10.30	11.49	11.05	95.7	

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

WORKLIST(Hardcopy Internal Chain)

1370625

WorkList Name : %1-090425 WorkList ID : 191662 Department : Wet-Chemistry Date : 09-04-2025 09:55:58

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3011-01	WASTE	Solid	Percent Solids	Cool 4 deg C	SCIA01	J33	09/03/2025	Chemtech -SO
Q3011-02	VOC	Solid	Percent Solids	Cool 4 deg C	SCIA01	J33	09/03/2025	Chemtech -SO
Q3011-03	1	Solid	Percent Solids	Cool 4 deg C	SCIA01	J33	09/03/2025	Chemtech -SO
Q3011-04	2	Solid	Percent Solids	Cool 4 deg C	SCIA01	J33	09/03/2025	Chemtech -SO
Q3011-05	3	Solid	Percent Solids	Cool 4 deg C	SCIA01	J33	09/03/2025	Chemtech -SO
Q3011-06	4	Solid	Percent Solids	Cool 4 deg C	SCIA01	J33	09/03/2025	Chemtech -SO
Q3011-07	5	Solid	Percent Solids	Cool 4 deg C	SCIA01	J33	09/03/2025	Chemtech -SO
Q3011-08	6	Solid	Percent Solids	Cool 4 deg C	SCIA01	J33	09/03/2025	Chemtech -SO
Q3012-01	WASTE	Solid	Percent Solids	Cool 4 deg C	SCIA01	J33	09/03/2025	Chemtech -SO
Q3012-02	VOC	Solid	Percent Solids	Cool 4 deg C	SCIA01	J42	09/03/2025	Chemtech -SO
Q3012-03	1	Solid	Percent Solids	Cool 4 deg C	SCIA01	J42	09/03/2025	Chemtech -SO
Q3012-04	2	Solid	Percent Solids	Cool 4 deg C	SCIA01	J42	09/03/2025	Chemtech -SO
Q3012-05	3	Solid	Percent Solids	Cool 4 deg C	SCIA01	J42	09/03/2025	Chemtech -SO
Q3012-06	4	Solid	Percent Solids	Cool 4 deg C	SCIA01	J42	09/03/2025	Chemtech -SO
Q3012-07	5	Solid	Percent Solids	Cool 4 deg C	SCIA01	J42	09/03/2025	Chemtech -SO
Q3014-01	Red Firestop Sealant	Solid	Percent Solids	Cool 4 deg C	ATCE02	J11	09/03/2025	Chemtech -SO
Q3014-02	Sidewalk Joint Caulk	Solid	Percent Solids	Cool 4 deg C	ATCE02	J11	09/03/2025	Chemtech -SO
Q3014-03	Ext Metal Wall panel Caulk	Solid	Percent Solids	Cool 4 deg C	ATCE02	J11	09/03/2025	Chemtech -SO
Q3021-02	821-ABC	Solid	Percent Solids	Cool 4 deg C	PSEG03	F31	09/04/2025	Chemtech -SO
Q3021-04	821-DEF	Solid	Percent Solids	Cool 4 deg C	PSEG03	F31	09/04/2025	Chemtech -SO
Q3021-06	821-GHI	Solid	Percent Solids	Cool 4 deg C	PSEG03	F31	09/04/2025	Chemtech -SO

Date/Time 09/04/25 16:50
 Raw Sample Received by: Ed Cady
 Raw Sample Relinquished by: Ed Cady
 Date/Time 09/04/25 18:00
 Raw Sample Received by: Ed Cady
 Raw Sample Relinquished by: Ed Cady

WORKLIST(Hardcopy Internal Chain)

12/25/2024

WorkList Name : %1-090425 WorkList ID : 191662 Department : Wet-Chemistry Date : 09-04-2025 09:55:58

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3023-01	TP-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	09/04/2025	Chemtech -SO
Q3023-04	TP-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	09/04/2025	Chemtech -SO
Q3026-01	EO-02-09042025	Solid	Percent Solids	Cool 4 deg C	PSEG05	D21	09/04/2025	Chemtech -SO
Q3026-02	EO-02-09042025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D21	09/04/2025	Chemtech -SO
Q3027-01	HD-01-09042025	Solid	Percent Solids	Cool 4 deg C	PSEG05	D21	09/04/2025	Chemtech -SO
Q3027-02	HD-01-09042025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D21	09/04/2025	Chemtech -SO

Date/Time 09/04/25 16:50
 Raw Sample Received by: SP WOC
 Raw Sample Relinquished by: CP SM

Date/Time 09/04/25 18:00
 Raw Sample Received by: CP SM
 Raw Sample Relinquished by: SP WOC

SOP ID: M3541-ASE Extraction-15

Clean Up SOP #: N/A

Matrix: Solid

Weigh By: EH

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date: 09/04/2025

Extraction Start Time: 08:45

Extraction End Date: 09/04/2025

Extraction End Time: 11:35

Concentration By: EH

Supervisor By: RUPESH

Extraction Method: ☐ Separatory Funnel

☐ Continuous Liquid/Liquid

☐ Sonication

☐ Waste Dilution

☒ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	20 PPM	PP24583
Surrogate	1.0ML	20 PPM	PP24596
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	EP2626
Baked Na2SO4	N/A	EP2636
Methylene Chloride	N/A	E3964
Sand	N/A	E3951
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot# 2210673.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
9/4/25	RS (E4 Lab)	Y.P. PESTHPCB
11:40	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-15

Concentration Date: 09/04/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB169544BL	PB169544BL	TPH GC	30.01	N/A	ritesh	Evelyn	1			U3-1
PB169544BS	PB169544BS	TPH GC	30.02	N/A	ritesh	Evelyn	1			2
Q2998-01	AU-05-082925	TPH GC	30.04	N/A	ritesh	Evelyn	1	E		3
Q2998-01MS	AU-05-082925MS	TPH GC	30.07	N/A	ritesh	Evelyn	1	E		4
Q2998-01MS D	AU-05-082925MSD	TPH GC	30.03	N/A	ritesh	Evelyn	1	E		5
Q3011-01	WASTE	TPH GC	30.08	N/A	ritesh	Evelyn	1			6
Q3012-01	WASTE	TPH GC	30.02	N/A	ritesh	Evelyn	1			U4-1

RS
9/10/24

169544
8:45

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3011

WorkList ID : 191655

Department : Extraction

Date : 09-04-2025 08:39:21

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2998-01	AU-05-082925	Solid	TPH GC	Cool 4 deg C	PSEG05	D21	08/29/2025	8015D
Q3011-01	WASTE	Solid	TPH GC	Cool 4 deg C	SCIA01	J33	09/03/2025	8015D
Q3012-01	WASTE	Solid	TPH GC	Cool 4 deg C	SCIA01	J42	09/03/2025	8015D

Date/Time 09/04/25 8:39
Raw Sample Received by: RS (6761-1006)
Raw Sample Relinquished by: RS (6761-1006)

Date/Time 09/04/25 8:50
Raw Sample Received by: RS (6761-1006)
Raw Sample Relinquished by: RS (6761-1006)



SHIPPING DOCUMENTS

CHEMTECH

CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

Chemtech Project Number Waste
COC Number

CLIENT INFORMATION		PROJECT INFORMATION		BILLING INFORMATION	
Report to be sent to:		PROJECT NAME:		BILL TO:	
COMPANY:		PROJECT #:		PO#	
ADDRESS:		LOCATION:		ADDRESS:	
CITY:		PROJECT MANAGER:		CITY:	
STATE:		E-MAIL:		STATE:	
ATTENTION:		PHONE:		ATTENTION:	
FAX:		FAX:		PHONE:	

DATA TURNAROUND INFORMATION		DATA DELIVERABLE INFORMATION		ANALYSIS	
FAX (RUSH) _____ DAYS*		☐ Level 1 (Results Only)	☐ Level 4 (QC + Full Raw Data)		
HARDCOPY (DATA PACKAGE): _____ DAYS*		☐ Level 2 (Results + QC)	☐ NJ Reduced ☐ US EPA CLP		
EDD: _____ DAYS*		☐ Level 3 (Results + QC + Raw Data)	☐ NYS ASP A ☐ NYS ASP B		
*TO BE APPROVED BY CHEMTECH		☐ Other _____			
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS		☐ EDD FORMAT _____			

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# of Bottles										←Specify Preservatives	
			COLP	GWS	DATE	TIME		1	2	3	4	5	6	7	8	9	A-HCl	D-NaOH
																	B-HNO3	E-ICE
																	C-H2SO4	F-OTHER
1.	WASTE				9/3/25	1		X										
2.	VOC				12:20	1			X									
3.	1				2:30	1				X								
4.	2				2:15	1				X								
5.	3				1:30	1				X								
6.	4				1:00	1				X								
7.	5				2:15	1				X								
8.	6				2:25													
9.																		
10.																		

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER	DATE/TIME 1543	RECEIVED BY	1543	Conditions of bottles or collars at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 5.5°C
1.	9-3-25	1.	9-3-25	Comments:
RELINQUISHED BY	DATE/TIME	RECEIVED BY		
2.		2.		
RELINQUISHED BY	DATE/TIME 1625	RECEIVED FOR LAB BY		CLIENT: ☐ Hand Delivered ☐ Other: _____
3.	9-3-25	3.		CHEMTECH: ☐ Picked Up
Page _____ of _____				Shipment Complete ☐ YES ☐ NO

10/2018

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT

YELLOW - CHEMTECH COPY

PINK - SAMPLER COPY

4 Hampton Place 23011



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

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3011	SCIA01	Order Date : 9/3/2025 3:51:00 PM	Project Mgr :
Client Name : Sciacca General Contractor		Project Name : 4 Hampton Place, Nutley	Report Type : Results Only
Client Contact : Rosanne Scirica		Receive DateTime : 9/3/2025 2:00:00 PM <i>4:25</i>	EDD Type : EXCEL NJCLEANUP
Invoice Name : Sciacca General Contractor		Purchase Order :	Hard Copy Date :
Invoice Contact : Rosanne Scirica			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3011-02	VOC	Solid	09/03/2025	08:00 12:00 <i>W</i>	VOC-TCLVOA-10		8260D		10 Bus. Days

Relinquished By : *[Signature]*

Date / Time :

9-3-25 1630

Received By : *[Signature]*

Date / Time :

09/04/25

12:00

Storage Area : VOA Refridgerator Room