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

DATA PACKAGE

GC SEMI-VOLATILES

PROJECT NAME : NJ SOIL PT

ALLIANCE TECHNICAL GROUP, LLC - NEWARK

284 Sheffiled Stree

Suite 1

Mountainside, NJ - 07092

Phone No: 908-789-8900

ORDER ID : Q1872

ATTENTION : Mohammad Ahmed

Laboratory Certification ID # 20012

Table Of Contents for Q1872

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

Cover Page

Order ID : Q1872

Project ID : NJ Soil PT

Client : Alliance Technical Group, LLC - Newark

Lab Sample Number	Client Sample Number
Q1872-01	HW0425-PT-AN-SOIL
Q1872-02	HW0425-PT-CORR-SOIL
Q1872-03	HW0425-PT-CN-SOIL
Q1872-04	HW0425-PT-CN-SOIL
Q1872-05	HW0425-PT-FP-SOIL
Q1872-06	HW0425-PT-CR6-SOIL
Q1872-07	HW0425-PT-NUT-SOIL
Q1872-08	HW0425-PT-NUT-SOIL
Q1872-09	HW0425-PT-OGR-SOIL
Q1872-10	HW0425-PT-MET-SOIL
Q1872-11	HW0425-PT-BNA-SOIL
Q1872-12	HW0425-PT-TRIAZINE-SOIL
Q1872-13	HW0425-PT-PAH-SOIL
Q1872-14	HW0425-PT-DIES-SOIL
Q1872-15	HW0425-PT-GAS-SOIL
Q1872-16	HW0425-PT-NJEPH-SOIL
Q1872-17	HW0425-PT-HERB-SOIL
Q1872-18	HW0425-PT-PCB-SOIL
Q1872-19	HW0425-PT-PCBO-SOIL
Q1872-20	HW0425-PT-PEST-SOIL
Q1872-21	HW0425-PT-CHLR-SOIL
Q1872-22	HW0425-PT-TXP-SOIL
Q1872-23	HW0425-PT-VOA-SOIL
Q1872-24	HW0425-PT-SOL-SOIL
Q1872-25	HW0425-PT-NO2-SOIL

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 : APPROVED
By Nimisha Pandya, QA/QC Supervisor at 9:51 am, Jul 23, 2025

Date: 5/30/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Alliance Technical Group, LLC - Newark
Project Name: NJ Soil PT
Project # N/A
Order ID # Q1872
Test Name: Gasoline Range Organics

A. Number of Samples and Date of Receipt:
24 Solid samples were received on 04/24/2025.
1 Solid sample was received on 04/28/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Ammonia, Anions Group1, Anions Group2, Corrosivity, Cyanide, Diesel Range Organics, EPH, Flash Point, Gasoline Range Organics, Herbicide Group1, Hexavalent Chromium, Mercury, Metals Group3, Metals ICP-Group1, Oil and Grease, PCB, PESTICIDE Group1, PESTICIDE Group2, PESTICIDE Group3, Phosphorus, Total, SVOCMS Group1, SVOCMS Group2, SVOCMS Group3, SVOCMS Group4, SVOCMS Group5, TKN, TOC, TS and VOCMS Group1. This data package contains results for Gasoline Range Organics.

C. Analytical Techniques:
The analysis performed on instrument FID_B were done using GC column RTX502.2 which is 60 meters, 0.53mm ID, 3.0 um df, cat#10909.The analysis of Gasoline Range Organics was based on method 8015D.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Retention Times were acceptable for all samples.
The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank Spike Duplicate met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .

For Sample # HW0425-PT-GAS-SOIL both soil vial did not purge therefore analyzed directly in methanol, The above sample original run is reported as screening data in miscellaneous data.

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Phone: 908 789 8900 Fax: 908 789 8922

E. Additional Comments:
The soil samples results are based on a dry weight basis.

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

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

Signature ***APPROVED***
By Nimisha Pandya, QA/QC Supervisor at 9:51 am, Jul 23, 2025

284 Sheffield Street, Mountainside NJ 07092 Tel.
908-789-8900 Fax: 908-789-8922

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 is 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

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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q1872 MATRIX: Solid

METHOD: 8015D/3541

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified.			✓
2.	Standard Summary Submitted.			✓
3.	Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis, 12 HOURS IF 8000 SERIES METHOD. The Initial Calibration met the requirements . The Continuous Calibration met the requirements .			✓
4.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
5.	Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓
6.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range. The Blank Spike met requirements for all samples . The Blank Spike Duplicate met requirements for all samples . The RPD met criteria .			✓
7.	Retention Time Shift Meet Criteria (if applicable) Comments:			✓
8.	Extraction Holding Time Met If not met, list number of days exceeded for each sample:		✓	

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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

		NA	NO	YES
9.	Analysis Holding Time Met		✓	

If not met, list those compounds and their recoveries which fall outside the acceptable range.

The Holding Times were met for all analysis.

ADDITIONAL COMMENTS:

For Sample # HW0425-PT-GAS-SOIL both soil vial did not purge therefore analyzed directly in methanol, The above sample original run is reported as screening data in miscellaneous data.

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

QA REVIEW

REVIEWED

By Sohil Jodhani, QA/QC Director at 8:38 am, Jul 23, 2025

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1872

	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 Castody	✓
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: SOHIL JODHANI **Date:** 05/30/2025

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LAB CHRONICLE

OrderID:	Q1872	**OrderDate:**	4/24/2025 1:26:50 PM
Client:	Alliance Technical Group, LLC - Newark	**Project:**	NJ Soil PT
Contact:	Mohammad Ahmed	**Location:**	QA Office,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1872-15	**HW0425-PT-GAS-SOIL**	**SOIL**			**04/21/25**			**04/24/25**
			Gasoline Range Organics	8015D			04/29/25	

QC SUMMARY

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SOIL GASOLINE RANGE ORGANICS SURROGATE RECOVERY

Lab Name: Chemtech Client: Alliance Technical Group, LLC - Newark

Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872 SDG No.: Q1872

EPA SAMPLE NO.	S1 AAA-TFT	S2	S3	S4	TOT OUT
VBF0429S2	91				0
BSF0429S1	93				0
HW0425-PT-GAS-SOIL	134				0
BSF0429S2	90				0

	QC LIMITS
AAA-TFT	For Water : 50-150 For Soil : 50-150

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

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SOIL GASOLINE RANGE ORGANICS LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICAT

Lab Name: Chemtech **Client:** Alliance Technical Group, LLC - Newark

Lab Code: CHEM **Cas No:** Q1872 **SAS No :** Q1872 **SDG No:** Q1872

Matrix Spike - EPA Sample No : BSF0429S1 **Datafile:** FB031656.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS
GRO	180	0	174	97	50-150

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SOIL GASOLINE RANGE ORGANICS LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICAT

Lab Name: Chemtech **Client:** Alliance Technical Group, LLC - Newark

Lab Code: CHEM **Cas No:** Q1872 **SAS No :** Q1872 **SDG No:** Q1872

Matrix Spike - EPA Sample No : BSF0429S2 **Datafile:** FB031662.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS
GRO	180	0	189	105	50-150

LCS/LCSD % Recovery RPD : 8.2

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METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBF0429S2

Lab Name: CHEMTECH Contract: ALLI03

Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872 SDG NO.: Q1872

Lab File ID: FB031655.D Lab Sample ID: VBF0429S2

Date Analyzed: 04/29/25 Time Analyzed: 9:52

GC Column: RTX-502.2 ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: FB

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
20 PPB GRO STD	20 PPB GRO STD	FB031653.D	04/29/25
BSF0429S1	BSF0429S1	FB031656.D	04/29/25
HW0425-PT-GAS-SOIL	Q1872-15	FB031661.D	04/29/25
BSF0429S2	BSF0429S2	FB031662.D	04/29/25
20 PPB GRO STD	20 PPB GRO STD	FB031663.D	04/29/25

COMMENTS:

SAMPLE DATA

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Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	04/21/25
Project:	NJ Soil PT	Date Received:	04/24/25
Client Sample ID:	HW0425-PT-GAS-SOIL	SDG No.:	Q1872
Lab Sample ID:	Q1872-15	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	100 Decanted:
Sample Wt/Vol:	5 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031661.D	2000	04/29/25 14:10	FB042925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	908000		16500	90000	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	26.8		50 - 150	134%	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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB042925\
Data File : FB031661.D
Signal(s) : FID2B.CH
Acq On : 29 Apr 2025 14:10
Operator : YP/AJ
Sample : Q1872-15 2000X
Misc : 5.00G/5.00 ML MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
HW0425-PT-GAS-SOIL

Integration File: Calibration.e
Quant Time: Apr 30 02:33:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
5) s	AAA-TFT	8.805	613408	26.748	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.726	165730	7.458	ng/ml
2) t	2,2,4-Trimethylpentane	7.412	705890	20.665	ng/ml
3) t	n-Heptane	7.756	448138	14.570	ng/ml
4) t	Benzene	7.893	159654	3.904	ng/ml
6) t	Toluene	10.623	1914944	48.064	ng/ml
7) t	Ethylbenzene	13.058	577162	16.152	ng/ml
8) t	m-Xylene	13.190	1994105	51.037	ng/ml
9) t	O-Xylene	13.920	799294	21.695	ng/ml
10) t	1,2,4-Trimethylbenzene	16.195	973416	36.087	ng/ml

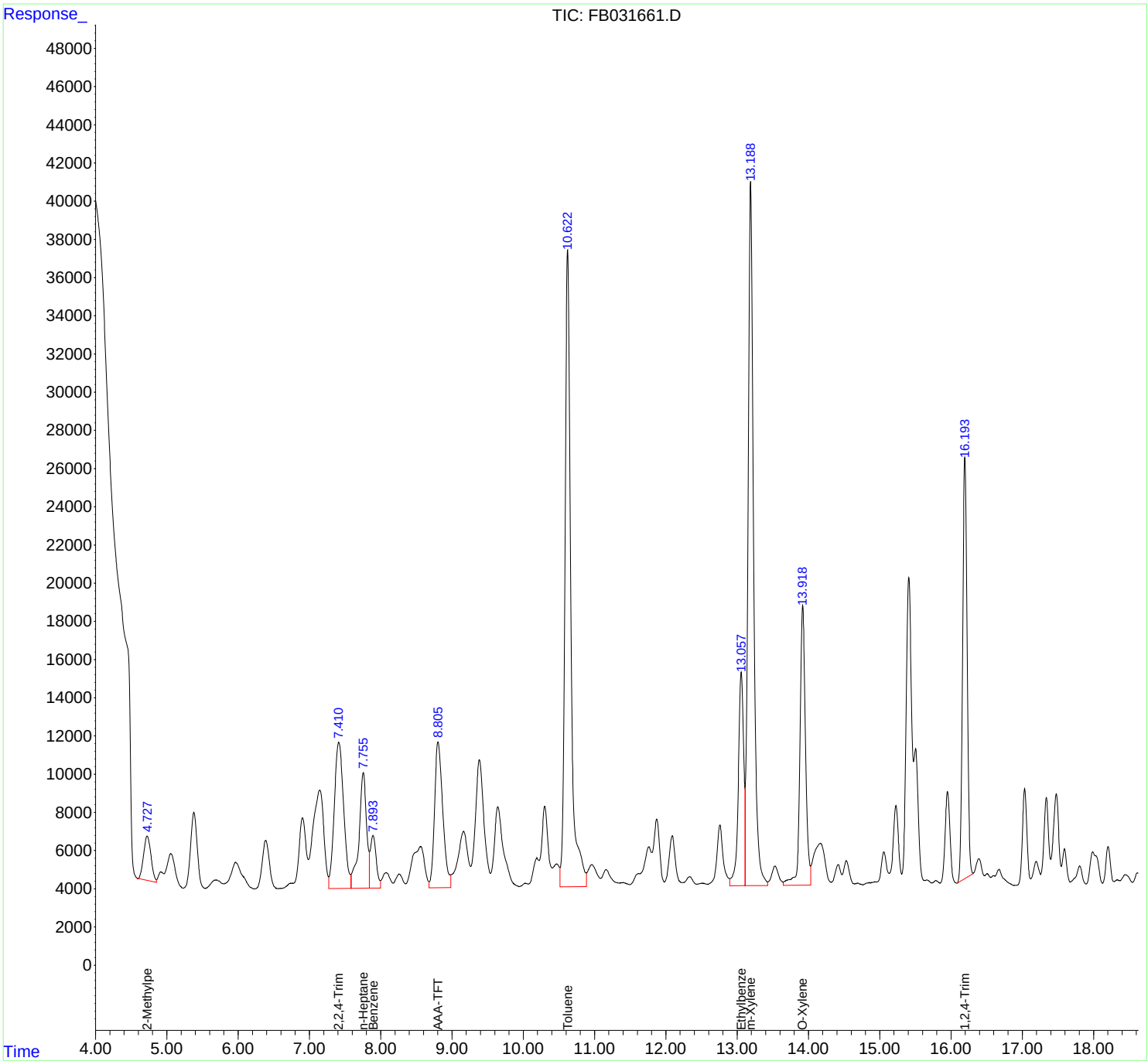
(f)=RT Delta > 1/2 Window (m)=manual int.

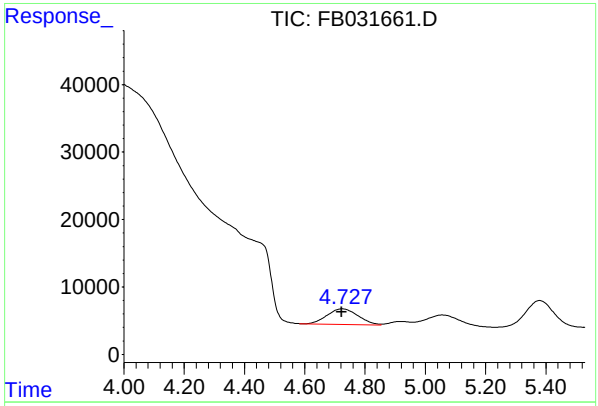
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB042925\
Data File : FB031661.D
Signal(s) : FID2B.CH
Acq On : 29 Apr 2025 14:10
Operator : YP/AJ
Sample : Q1872-15 2000X
Misc : 5.00G/5.00 ML MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
HW0425-PT-GAS-SOIL

Integration File: Calibration.e
Quant Time: Apr 30 02:33:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um

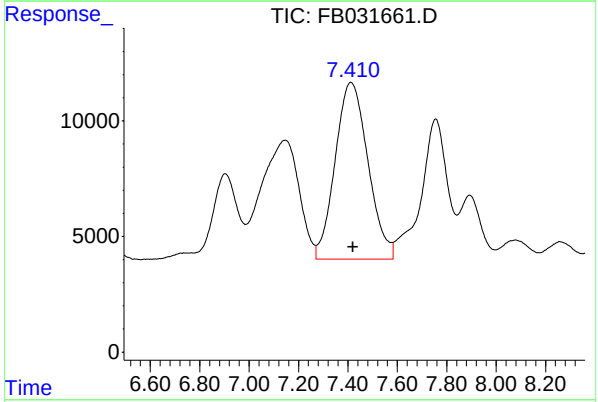




#1 2-Methylpentane

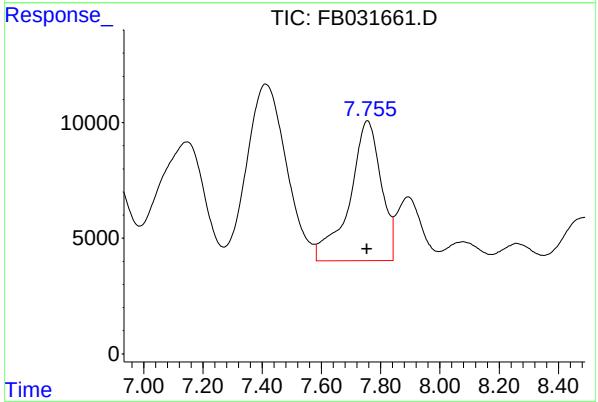
R.T.: 4.726 min
Delta R.T.: 0.003 min
Response: 165730
Conc: 7.46 ng/ml

Instrument :
FID_B
ClientSampleId :
HW0425-PT-GAS-SOIL



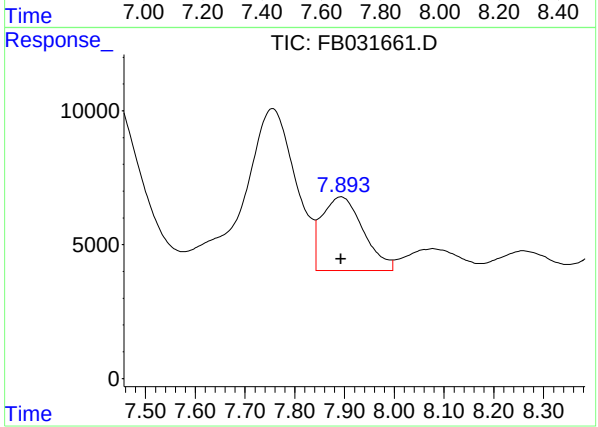
#2 2,2,4-Trimethylpentane

R.T.: 7.412 min
Delta R.T.: -0.009 min
Response: 705890
Conc: 20.67 ng/ml



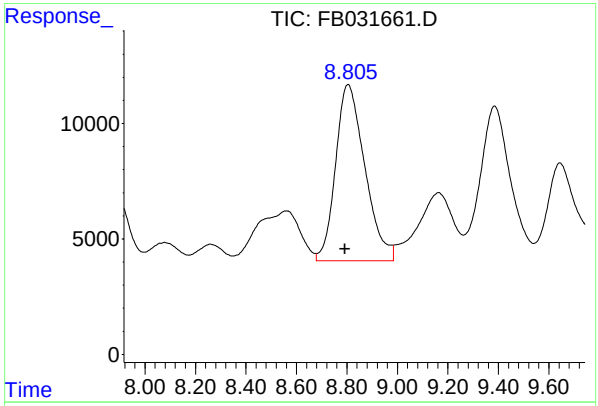
#3 n-Heptane

R.T.: 7.756 min
Delta R.T.: 0.002 min
Response: 448138
Conc: 14.57 ng/ml



#4 Benzene

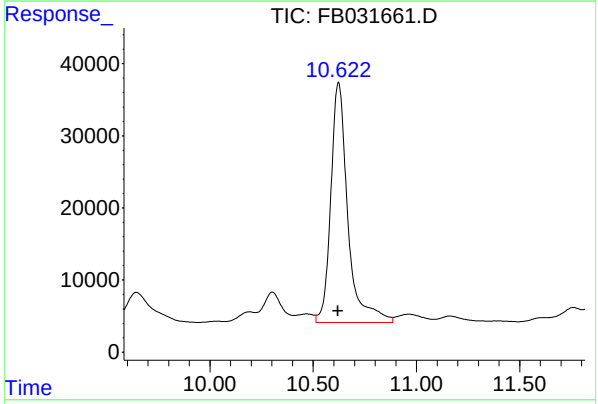
R.T.: 7.893 min
Delta R.T.: 0.000 min
Response: 159654
Conc: 3.90 ng/ml



#5 AAA-TFT

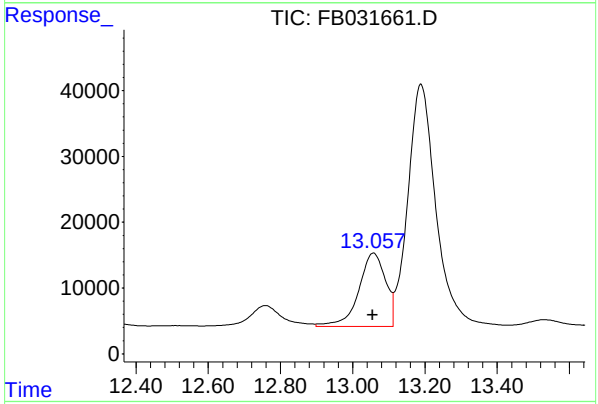
R.T.: 8.805 min
Delta R.T.: 0.013 min
Response: 613408
Conc: 26.75 ng/ml

Instrument :
FID_B
ClientSampleId :
HW0425-PT-GAS-SOIL



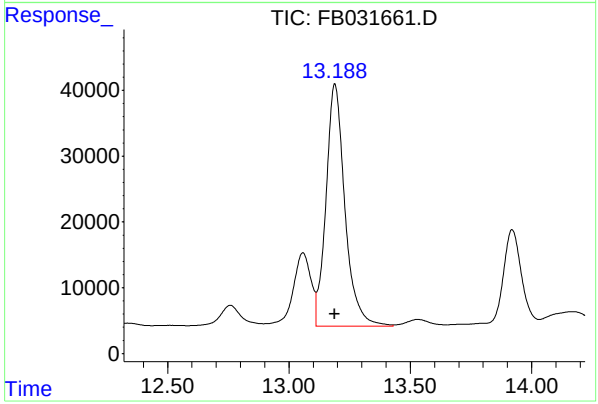
#6 Toluene

R.T.: 10.623 min
Delta R.T.: 0.003 min
Response: 1914944
Conc: 48.06 ng/ml



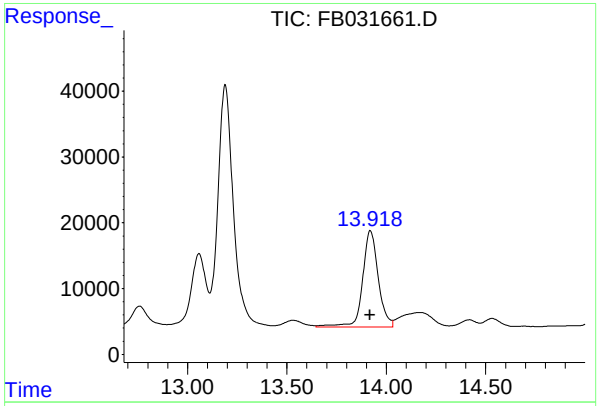
#7 Ethylbenzene

R.T.: 13.058 min
Delta R.T.: 0.002 min
Response: 577162
Conc: 16.15 ng/ml



#8 m-Xylene

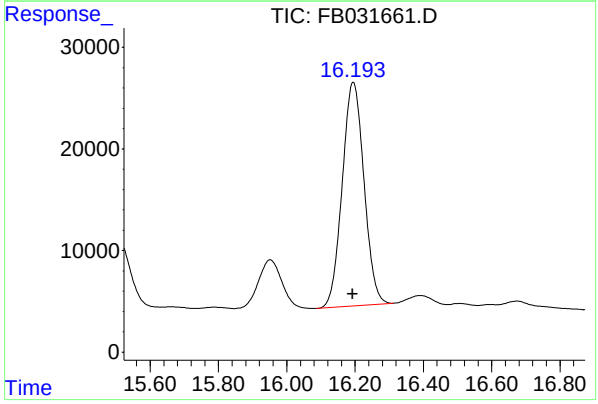
R.T.: 13.190 min
Delta R.T.: 0.000 min
Response: 1994105
Conc: 51.04 ng/ml



#9 O-Xylene

R.T.: 13.920 min
Delta R.T.: 0.003 min
Response: 799294
Conc: 21.69 ng/ml

Instrument :
FID_B
ClientSampleId :
HW0425-PT-GAS-SOIL



#10 1,2,4-Trimethylbenzene

R.T.: 16.195 min
Delta R.T.: 0.002 min
Response: 973416
Conc: 36.09 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB042925\
Data File : FB031661.D
Signal(s) : FID2B.CH
Acq On : 29 Apr 2025 14:10
Sample : Q1872-15 2000X
Misc : 5.00G/5.00 ML MEOH
ALS Vial : 9 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.726	4.604	4.851	PH	2760	231503	11.43%	1.465%
2	5.380	5.231	5.531	VV	4008	261136	12.89%	1.653%
3	5.539	5.531	5.547	VV	39	287	0.01%	0.002%
4	5.667	5.547	5.675	VV	453	18206	0.90%	0.115%
5	5.967	5.804	6.224	VV	1394	156081	7.70%	0.988%
6	6.388	6.224	6.564	VH	2537	175345	8.65%	1.110%
7	6.590	6.564	6.598	PH	30	304	0.02%	0.002%
8	6.737	6.598	6.758	HH	298	14198	0.70%	0.090%
9	6.903	6.758	6.986	HH	3717	258335	12.75%	1.635%
10	7.146	6.986	7.271	HH	5163	547049	27.00%	3.462%
11	7.412	7.271	7.582	HH	7675	709947	35.04%	4.493%
12	7.756	7.582	7.842	HH	6084	452668	22.34%	2.865%
13	7.893	7.842	7.997	HH	2787	162760	8.03%	1.030%
14	8.078	7.997	8.176	HH	850	65727	3.24%	0.416%
15	8.259	8.176	8.349	HH	779	54982	2.71%	0.348%
16	8.561	8.349	8.678	HH	2209	268121	13.23%	1.697%
17	8.805	8.678	8.984	HH	7694	623833	30.79%	3.948%
18	9.163	8.984	9.262	HH	3013	298064	14.71%	1.886%
19	9.385	9.262	9.541	HH	6758	574588	28.36%	3.636%
20	9.644	9.541	9.945	HH	4302	395206	19.51%	2.501%
21	10.030	9.945	10.073	HH	289	16922	0.84%	0.107%
22	10.191	10.073	10.222	HH	1603	89422	4.41%	0.566%
23	10.302	10.222	10.408	HH	4332	280033	13.82%	1.772%
24	10.468	10.408	10.513	HH	1297	76016	3.75%	0.481%
25	10.623	10.513	10.886	HH	33439	1938148	95.66%	12.266%
26	10.965	10.886	11.086	HH	1264	114976	5.67%	0.728%
27	11.161	11.086	11.366	HH	1003	98827	4.88%	0.625%
28	11.402	11.366	11.500	HH	330	22728	1.12%	0.144%
29	11.761	11.500	11.804	HH	2201	200581	9.90%	1.269%
30	11.873	11.804	11.980	HH	3655	222774	11.00%	1.410%
31	12.090	11.980	12.239	HH	2777	187944	9.28%	1.189%
32	12.335	12.239	12.440	HH	630	52075	2.57%	0.330%
33	12.506	12.440	12.591	HH	290	24008	1.18%	0.152%
34	12.759	12.591	12.898	HH	3344	230018	11.35%	1.456%
35	13.058	12.898	13.112	HH	11336	597909	29.51%	3.784%
36	13.190	13.112	13.429	HH	36970	2026124	100.00%	12.823%

rteres

37	13.531	13.429	13.645	HH	1192	93078	4.59%	0.589%
38	13.920	13.645	14.033	HH	14814	841746	41.54%	5.327%
39	14.167	14.033	14.318	HH	2373	272971	13.47%	1.728%
40	14.418	14.318	14.472	HH	1267	77128	3.81%	0.488%
41	14.532	14.472	14.646	HH	1472	90545	4.47%	0.573%
42	14.693	14.646	14.767	HH	300	18699	0.92%	0.118%
43	15.059	14.767	15.140	HH	1930	153091	7.56%	0.969%
44	15.228	15.140	15.309	HH	4363	236901	11.69%	1.499%
45	15.409	15.309	15.635	HH	16289	1203499	59.40%	7.617%
46	15.662	15.635	15.736	HH	465	24227	1.20%	0.153%
47	15.789	15.736	15.847	HH	433	24276	1.20%	0.154%
48	15.952	15.847	16.087	HH	5088	269709	13.31%	1.707%
49	16.195	16.087	16.312	HH	22556	1048007	51.72%	6.633%

Sum of corrected areas: 15800726

FB042325.M Wed Apr 30 03:47:09 2025

CALIBRATION SUMMARY

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

GASOLINE RANGE ORGANICS INITIAL CALIBRATION SUMMARY

Lab Name: Chemtech Contract: ALLI03

ProjectID: NJ Soil PT

Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872 SDG No.: Q1872

Calibration Sequence : FB042325		Test : Gasoline Range Organics	
Concentration (PPB)	**Area Count**	**Reference Factor**	**File ID**
45	1404536	31212	FB031638.D
90	2828773	31431	FB031639.D
180	5982574	33237	FB031640.D
450	16361923	36360	FB031641.D
900	31441842	34935	FB031642.D

AVG RF : 33435 **% RSD : 6.655** **AVG RT : 8.7924**

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB042325\
Data File : FB031638.D
Signal(s) : FID2B.CH
Acq On : 23 Apr 2025 12:11
Operator : YP/AJ
Sample : 5 GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
5 GRO STD

Integration File: Calibration.e
Quant Time: Apr 23 13:02:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:01:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
5) s	AAA-TFT	8.793	107895	4.637 ng/ml
	Target Compounds			
1) t	2-Methylpentane	4.724	143193	6.574 ng/ml
2) t	2,2,4-Trimethylpentane	7.418	235937	7.060 ng/ml
3) t	n-Heptane	7.753	65305	2.224 ng/ml
4) t	Benzene	7.894	87885	2.177 ng/ml
6) t	Toluene	10.618	278500	7.076 ng/ml
7) t	Ethylbenzene	13.053	84804	2.366 ng/ml
8) t	m-Xylene	13.187	186453	4.764 ng/ml
9) t	O-Xylene	13.915	179929	4.844 ng/ml
10) t	1,2,4-Trimethylbenzene	16.191	142530	5.049 ng/ml

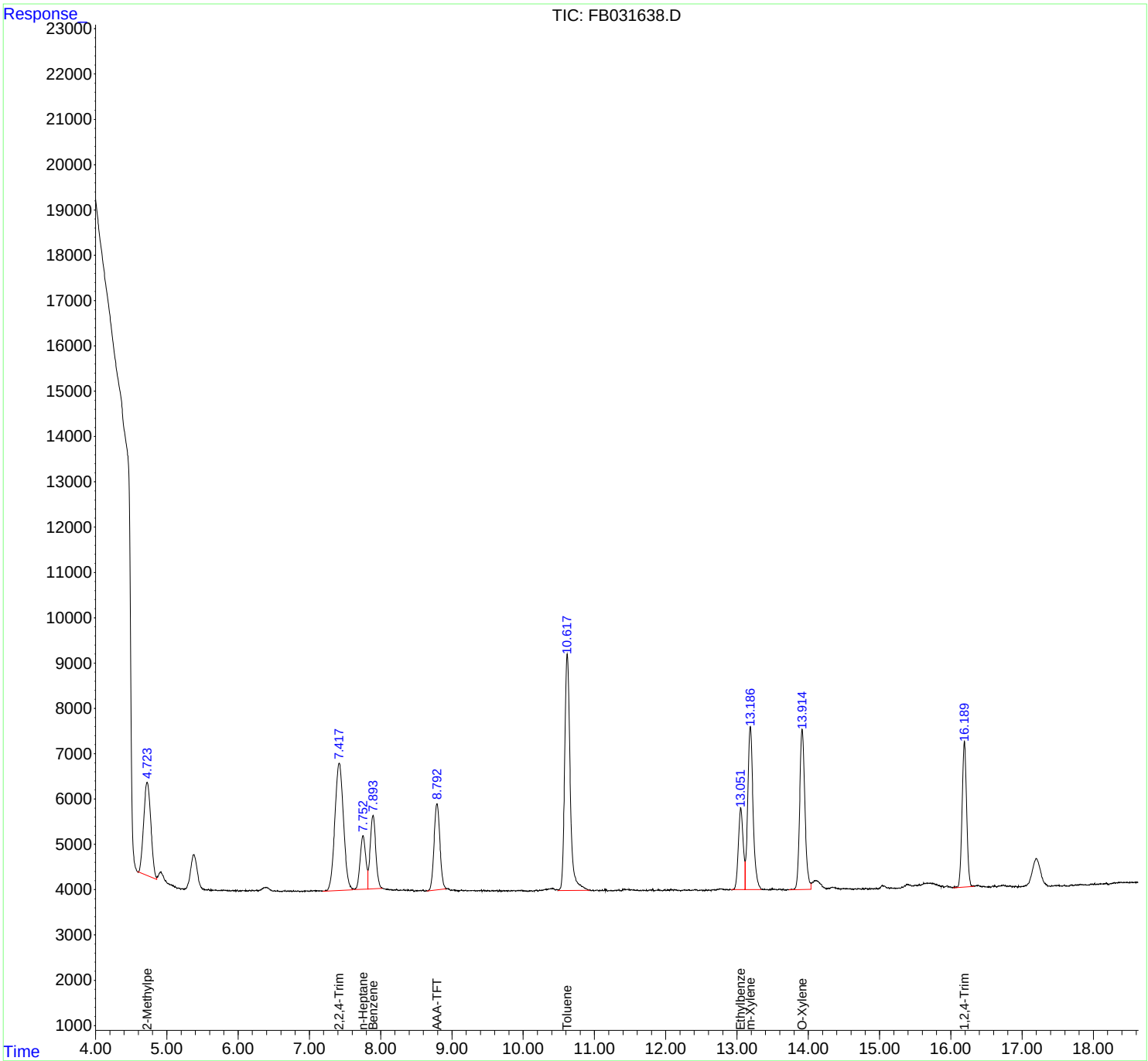
(f)=RT Delta > 1/2 Window (m)=manual int.

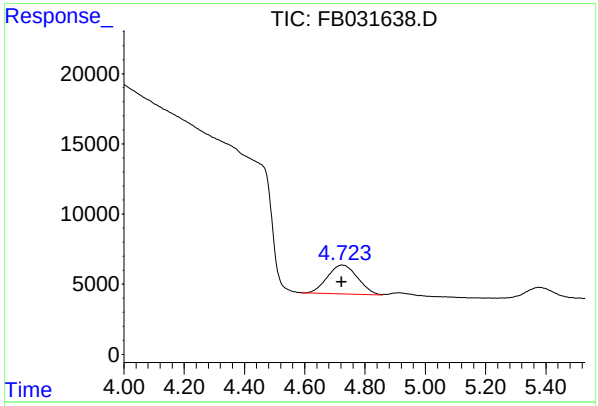
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB042325\
Data File : FB031638.D
Signal(s) : FID2B.CH
Acq On : 23 Apr 2025 12:11
Operator : YP/AJ
Sample : 5 GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
5 GRO STD

Integration File: Calibration.e
Quant Time: Apr 23 13:02:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:01:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um

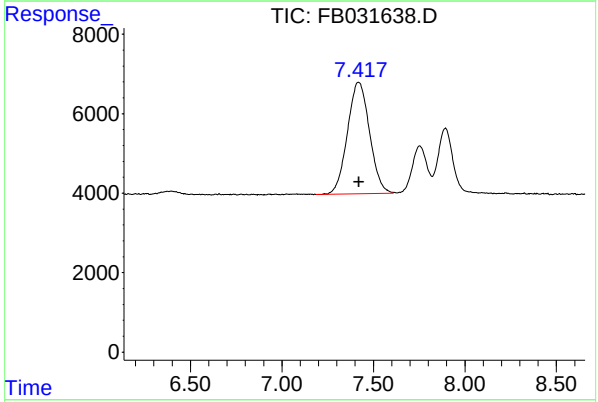




#1 2-Methylpentane

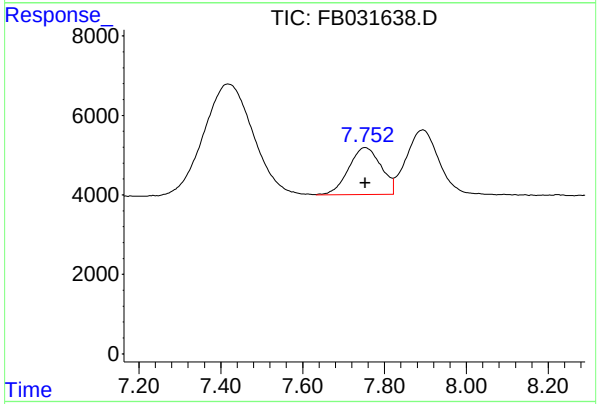
R.T.: 4.724 min
Delta R.T.: 0.001 min
Response: 143193
Conc: 6.57 ng/ml

Instrument :
FID_B
ClientSampleId :
5 GRO STD



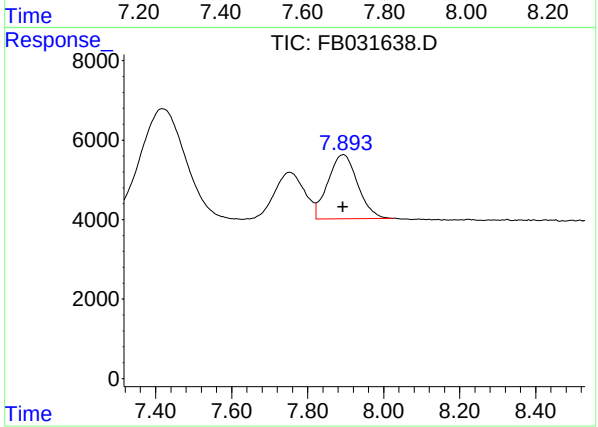
#2 2,2,4-Trimethylpentane

R.T.: 7.418 min
Delta R.T.: -0.002 min
Response: 235937
Conc: 7.06 ng/ml



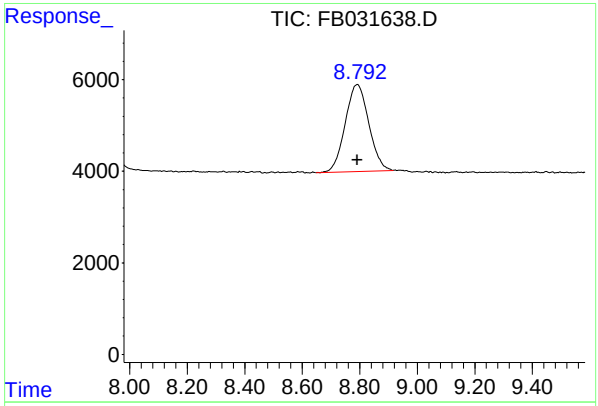
#3 n-Heptane

R.T.: 7.753 min
Delta R.T.: 0.000 min
Response: 65305
Conc: 2.22 ng/ml



#4 Benzene

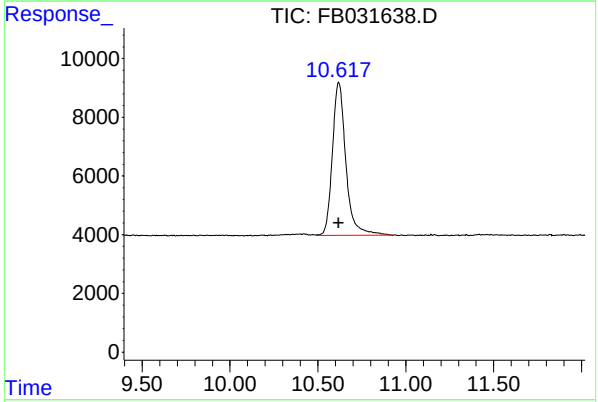
R.T.: 7.894 min
Delta R.T.: 0.001 min
Response: 87885
Conc: 2.18 ng/ml



#5 AAA-TFT

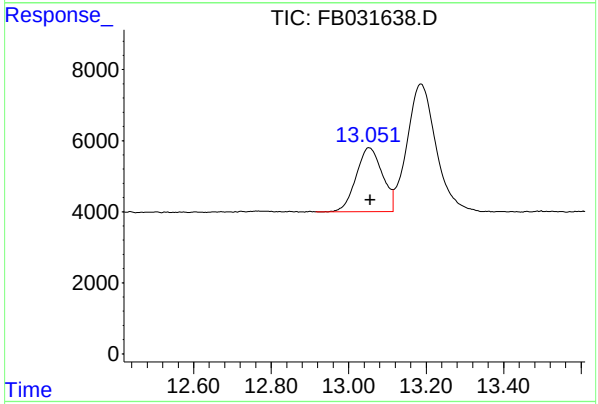
R.T.: 8.793 min
Delta R.T.: 0.000 min
Response: 107895
Conc: 4.64 ng/ml

Instrument :
FID_B
ClientSampleId :
5 GRO STD



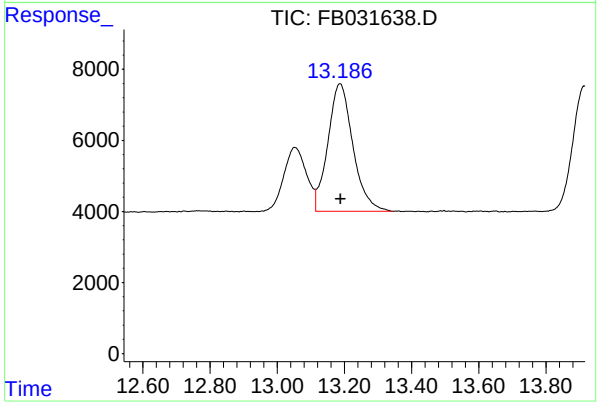
#6 Toluene

R.T.: 10.618 min
Delta R.T.: -0.001 min
Response: 278500
Conc: 7.08 ng/ml



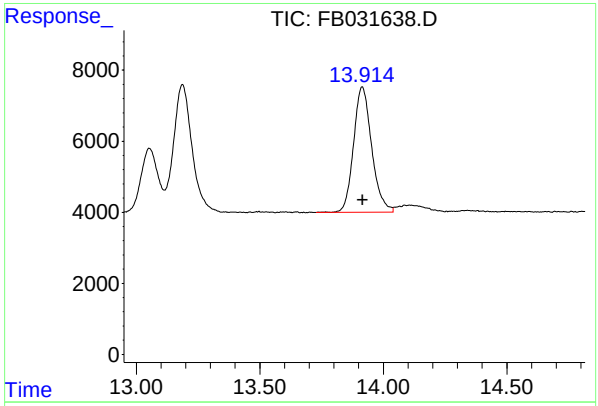
#7 Ethylbenzene

R.T.: 13.053 min
Delta R.T.: -0.003 min
Response: 84804
Conc: 2.37 ng/ml



#8 m-Xylene

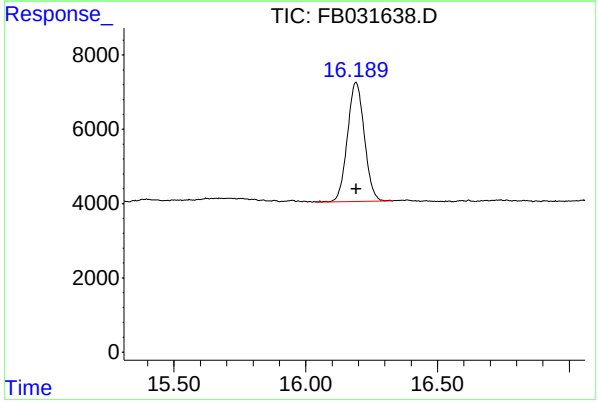
R.T.: 13.187 min
Delta R.T.: -0.002 min
Response: 186453
Conc: 4.76 ng/ml



#9 O-Xylene

R.T.: 13.915 min
Delta R.T.: -0.002 min
Response: 179929
Conc: 4.84 ng/ml

Instrument :
FID_B
ClientSampleId :
5 GRO STD



#10 1,2,4-Trimethylbenzene

R.T.: 16.191 min
Delta R.T.: -0.002 min
Response: 142530
Conc: 5.05 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB042325\
Data File : FB031638.D
Signal(s) : FID2B.CH
Acq On : 23 Apr 2025 12:11
Sample : 5 GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.724	4.587	4.857	BV	2057	143193	51.42%	9.468%
2	7.418	7.186	7.607	PV	2810	235937	84.72%	15.600%
3	7.753	7.634	7.822	VV	1184	65305	23.45%	4.318%
4	7.894	7.822	8.025	VV	1618	87885	31.56%	5.811%
5	8.793	8.648	8.916	PV	1902	107895	38.74%	7.134%
6	10.618	10.490	10.928	VV	5214	278500	100.00%	18.414%
7	13.053	12.915	13.114	BV	1805	84804	30.45%	5.607%
8	13.187	13.114	13.344	VV	3597	186453	66.95%	12.328%
9	13.915	13.728	14.039	BV	3534	179929	64.61%	11.897%
10	16.191	16.038	16.330	BV	3210	142530	51.18%	9.424%

Sum of corrected areas: 1512432

FB042325.M Thu Apr 24 05:33:07 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB042325\
Data File : FB031639.D
Signal(s) : FID2B.CH
Acq On : 23 Apr 2025 12:38
Operator : YP/AJ
Sample : 10 GRO STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
10 GRO STD

Integration File: Calibration.e
Quant Time: Apr 23 13:03:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:01:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
5) s	AAA-TFT	8.791	178266	7.950	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.724	300221	14.690	ng/ml
2) t	2,2,4-Trimethylpentane	7.420	480169	14.803	ng/ml
3) t	n-Heptane	7.755	139352	5.023	ng/ml
4) t	Benzene	7.893	187535	4.967	ng/ml
6) t	Toluene	10.620	558673	14.608	ng/ml
7) t	Ethylbenzene	13.055	170174	4.878	ng/ml
8) t	m-Xylene	13.189	371723	9.727	ng/ml
9) t	O-Xylene	13.917	353154	9.659	ng/ml
10) t	1,2,4-Trimethylbenzene	16.193	267772	9.439	ng/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

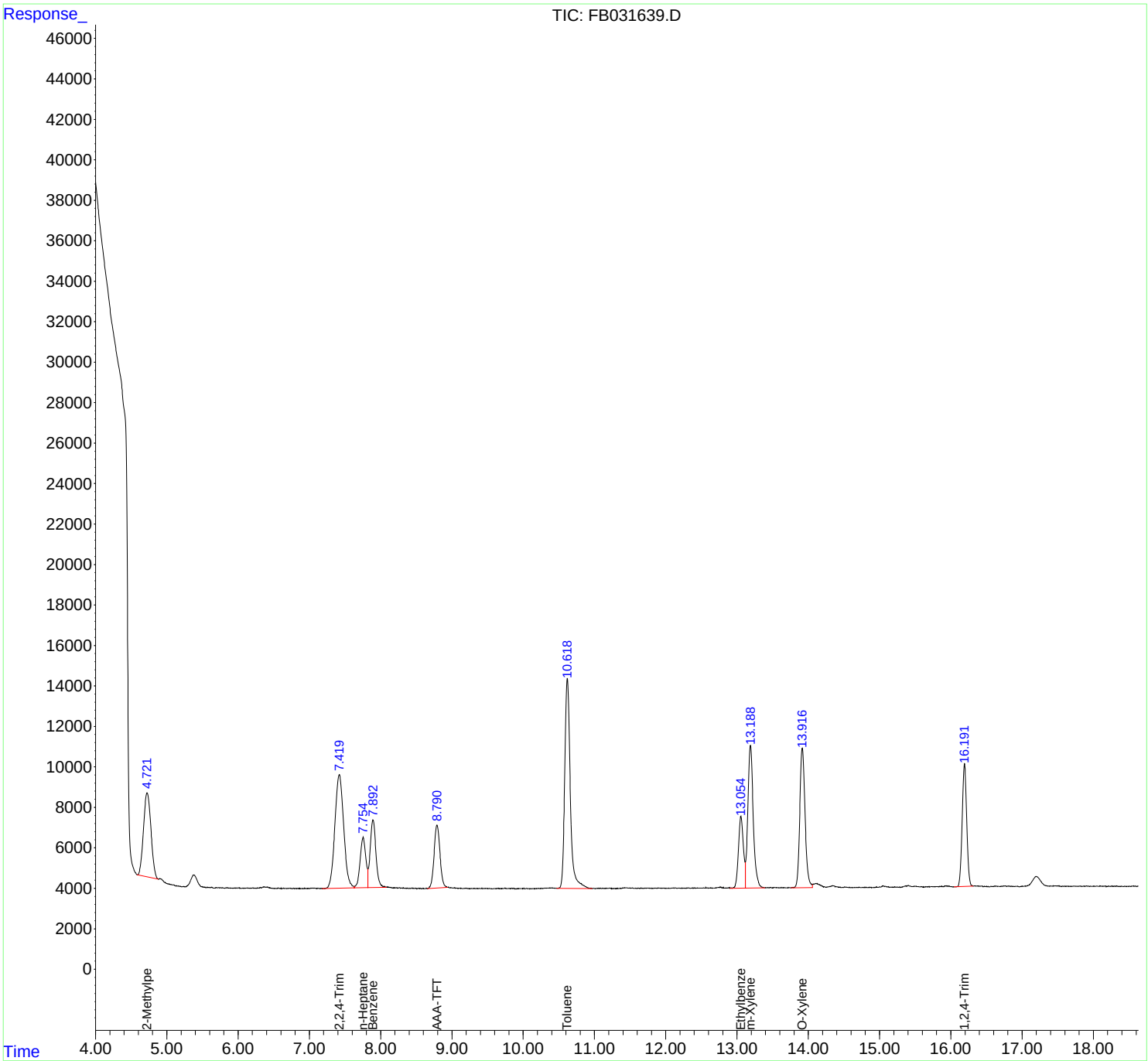
Quantitation Report (QT Reviewed)

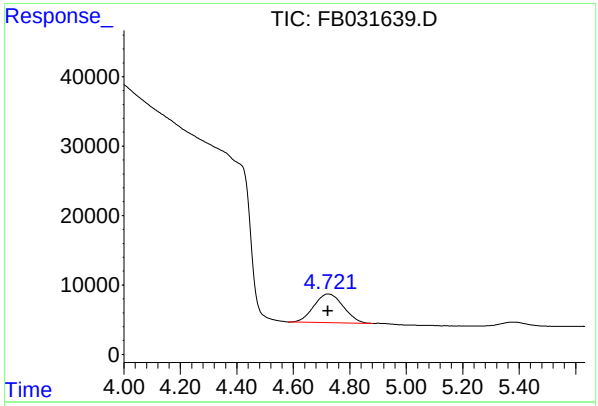
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB042325\
Data File : FB031639.D
Signal(s) : FID2B.CH
Acq On : 23 Apr 2025 12:38
Operator : YP/AJ
Sample : 10 GRO STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
10 GRO STD

Integration File: Calibration.e
Quant Time: Apr 23 13:03:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:01:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um

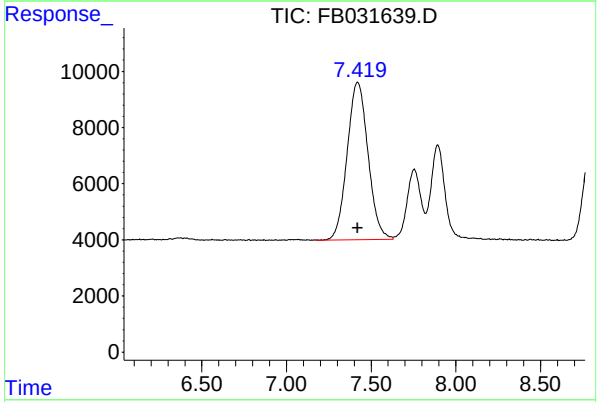




#1 2-Methylpentane

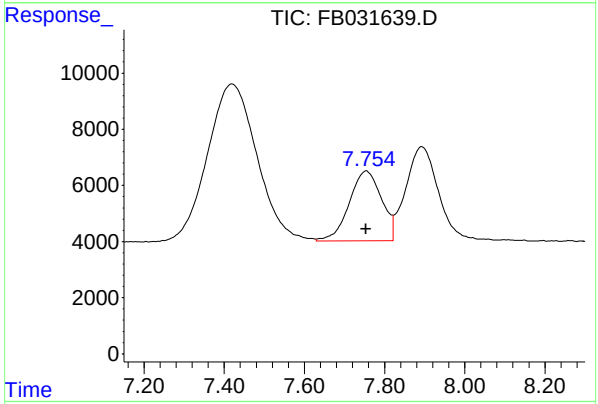
R.T.: 4.724 min
Delta R.T.: 0.000 min
Response: 300221
Conc: 14.69 ng/ml

Instrument :
FID_B
ClientSampleId :
10 GRO STD



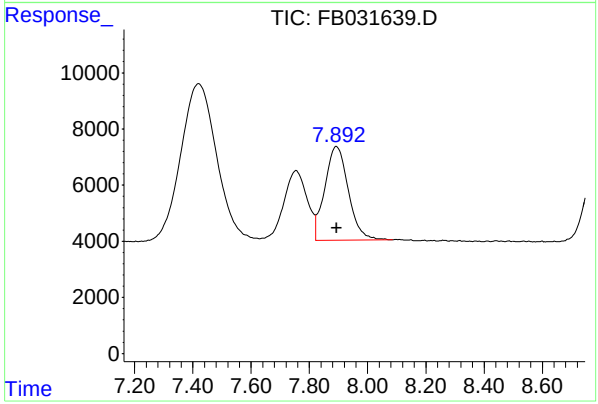
#2 2,2,4-Trimethylpentane

R.T.: 7.420 min
Delta R.T.: 0.000 min
Response: 480169
Conc: 14.80 ng/ml



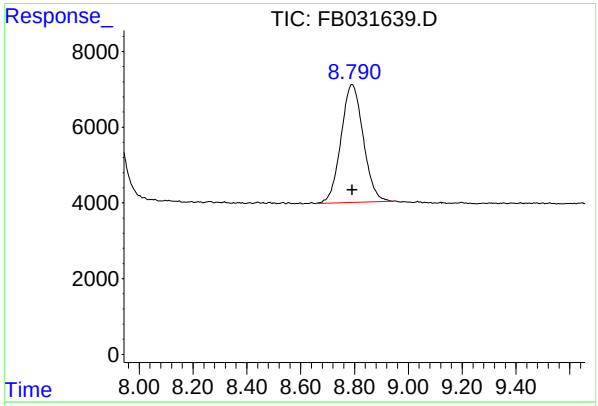
#3 n-Heptane

R.T.: 7.755 min
Delta R.T.: 0.001 min
Response: 139352
Conc: 5.02 ng/ml



#4 Benzene

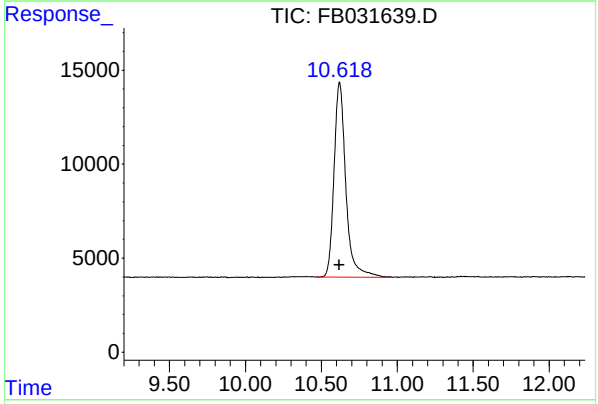
R.T.: 7.893 min
Delta R.T.: 0.000 min
Response: 187535
Conc: 4.97 ng/ml



#5 AAA-TFT

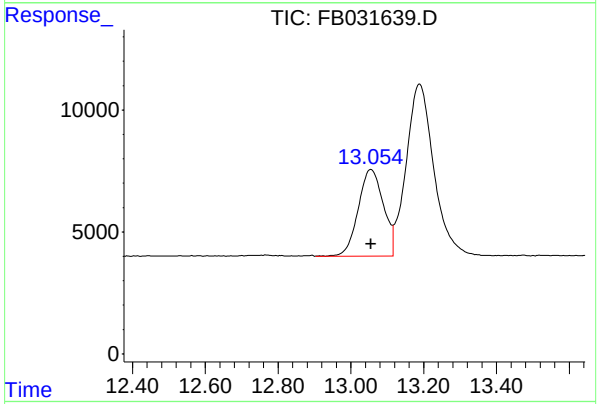
R.T.: 8.791 min
Delta R.T.: 0.000 min
Response: 178266
Conc: 7.95 ng/ml

Instrument :
FID_B
ClientSampleId :
10 GRO STD



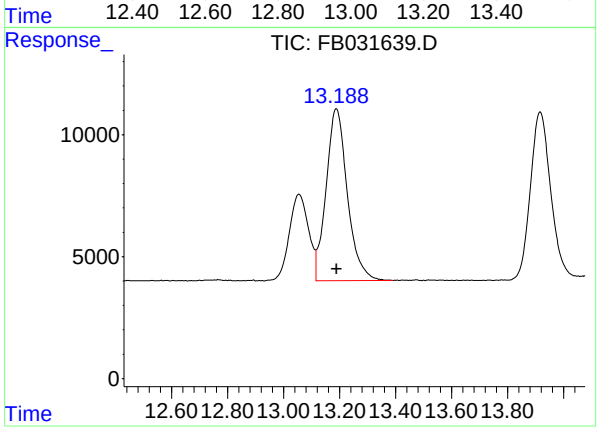
#6 Toluene

R.T.: 10.620 min
Delta R.T.: 0.000 min
Response: 558673
Conc: 14.61 ng/ml



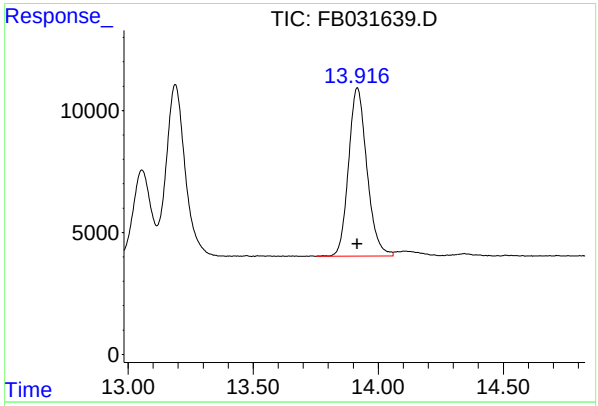
#7 Ethylbenzene

R.T.: 13.055 min
Delta R.T.: 0.000 min
Response: 170174
Conc: 4.88 ng/ml



#8 m-Xylene

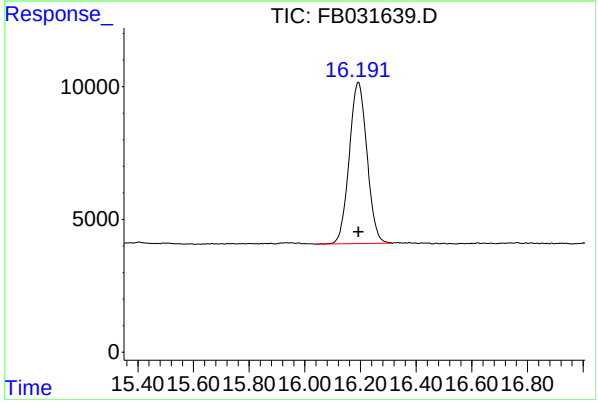
R.T.: 13.189 min
Delta R.T.: 0.000 min
Response: 371723
Conc: 9.73 ng/ml



#9 O-Xylene

R.T.: 13.917 min
Delta R.T.: 0.000 mi
Response: 353154
Conc: 9.66 ng/m

Instrument :
FID_B
ClientSampleId :
10 GRO STD



#10 1,2,4-Trimethylbenzene

R.T.: 16.193 min
Delta R.T.: 0.000 min
Response: 267772
Conc: 9.44 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB042325\
Data File : FB031639.D
Signal(s) : FID2B.CH
Acq On : 23 Apr 2025 12:38
Sample : 10 GRO STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.724	4.582	4.882	BV	4149	300221	53.74%	9.984%
2	7.420	7.175	7.629	PV	5613	480169	85.95%	15.968%
3	7.755	7.629	7.822	VV	2494	139352	24.94%	4.634%
4	7.893	7.822	8.086	VV	3344	187535	33.57%	6.237%
5	8.791	8.656	8.942	PV	3116	178266	31.91%	5.928%
6	10.620	10.466	10.972	BV	10379	558673	100.00%	18.579%
7	13.055	12.904	13.116	PV	3556	170174	30.46%	5.659%
8	13.189	13.116	13.391	VV	7059	371723	66.54%	12.362%
9	13.917	13.752	14.060	PV	6905	353154	63.21%	11.744%
10	16.193	16.041	16.317	BV	6071	267772	47.93%	8.905%

Sum of corrected areas: 3007038

FB042325.M Thu Apr 24 05:33:29 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB042325\
Data File : FB031640.D
Signal(s) : FID2B.CH
Acq On : 23 Apr 2025 13:05
Operator : YP/AJ
Sample : 20 GRO STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 GRO STD

Integration File: Calibration.e
Quant Time: Apr 23 13:01:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:01:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
5) s	AAA-TFT	8.792	465374	20.000	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.723	653412	30.000	ng/ml
2) t	2,2,4-Trimethylpentane	7.421	1002520	30.000	ng/ml
3) t	n-Heptane	7.754	293650	10.000	ng/ml
4) t	Benzene	7.893	403622	10.000	ng/ml
6) t	Toluene	10.620	1180704	30.000	ng/ml
7) t	Ethylbenzene	13.056	358476	10.000	ng/ml
8) t	m-Xylene	13.189	782776	20.000	ng/ml
9) t	O-Xylene	13.917	742846	20.000	ng/ml
10) t	1,2,4-Trimethylbenzene	16.193	564568	20.000	ng/ml

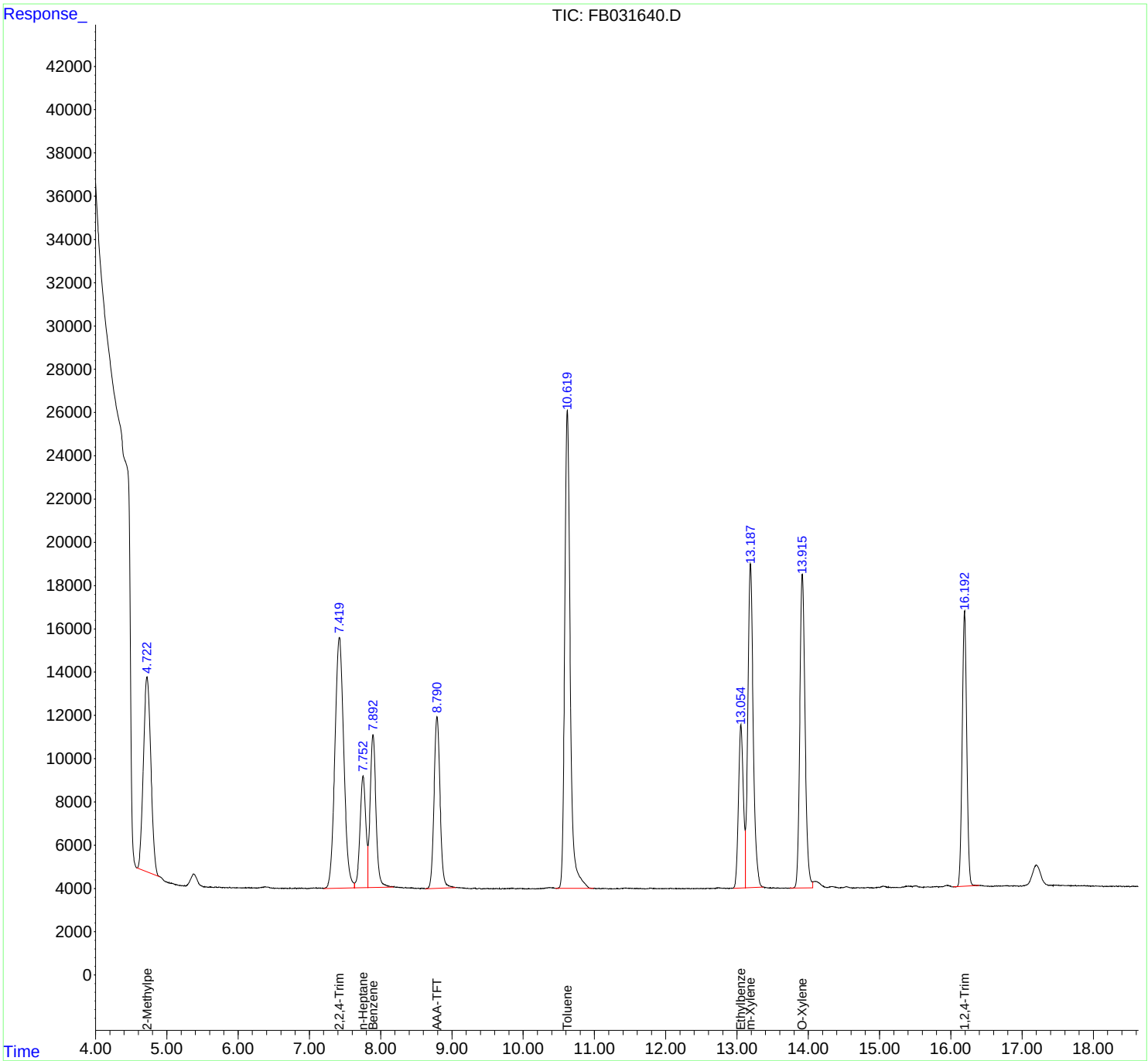
(f)=RT Delta > 1/2 Window (m)=manual int.

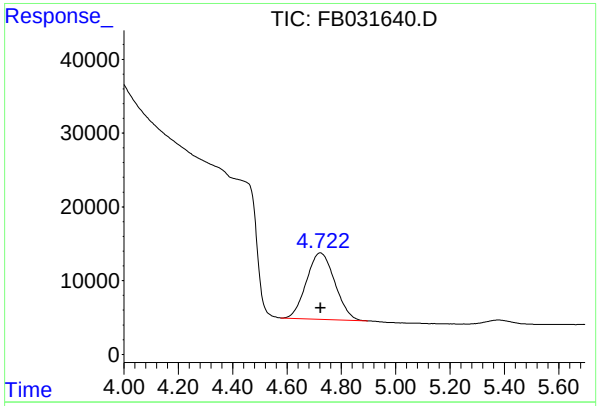
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB042325\
Data File : FB031640.D
Signal(s) : FID2B.CH
Acq On : 23 Apr 2025 13:05
Operator : YP/AJ
Sample : 20 GRO STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 GRO STD

Integration File: Calibration.e
Quant Time: Apr 23 13:01:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:01:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um

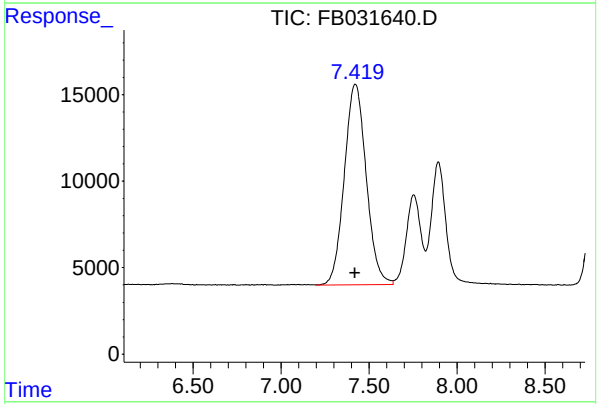




#1 2-Methylpentane

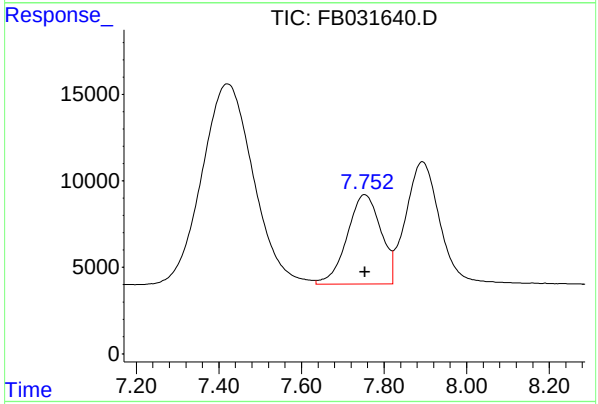
R.T.: 4.723 min
Delta R.T.: 0.000 min
Response: 653412
Conc: 30.00 ng/ml

Instrument :
FID_B
ClientSampleId :
20 GRO STD



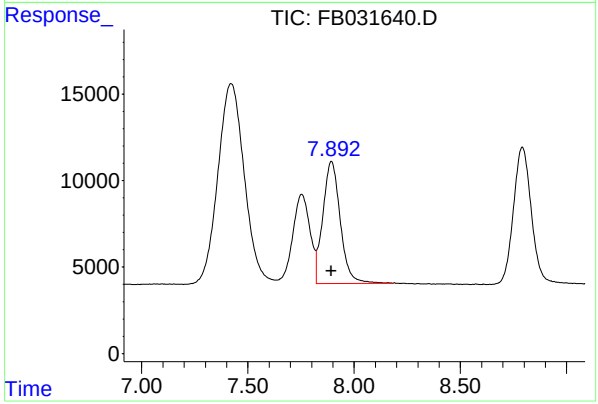
#2 2,2,4-Trimethylpentane

R.T.: 7.421 min
Delta R.T.: 0.000 min
Response: 1002520
Conc: 30.00 ng/ml



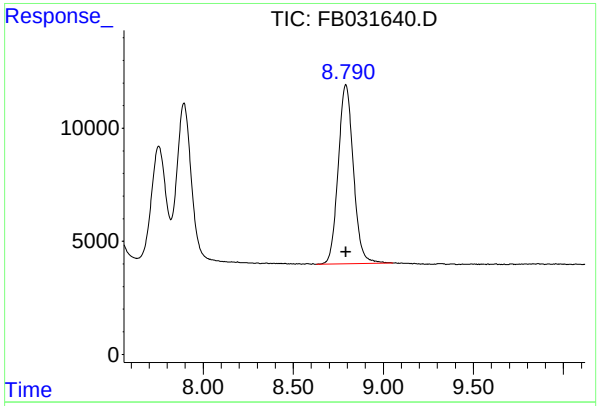
#3 n-Heptane

R.T.: 7.754 min
Delta R.T.: 0.000 min
Response: 293650
Conc: 10.00 ng/ml



#4 Benzene

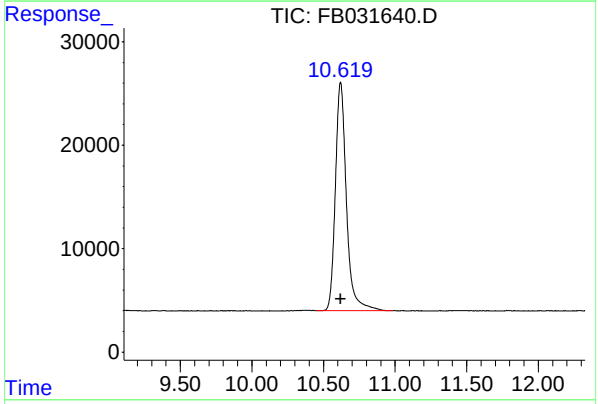
R.T.: 7.893 min
Delta R.T.: 0.000 min
Response: 403622
Conc: 10.00 ng/ml



#5 AAA-TFT

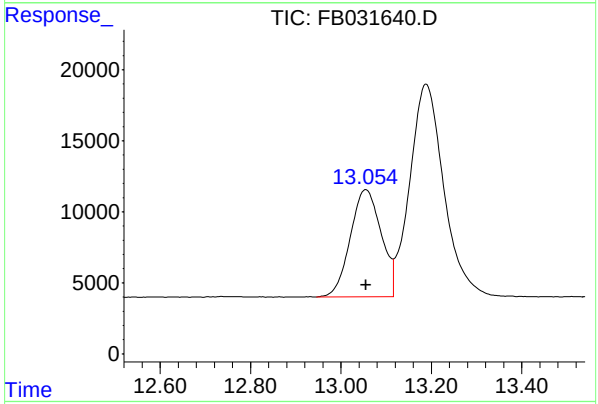
R.T.: 8.792 min
Delta R.T.: 0.000 min
Response: 465374
Conc: 20.00 ng/ml

Instrument :
FID_B
ClientSampleId :
20 GRO STD



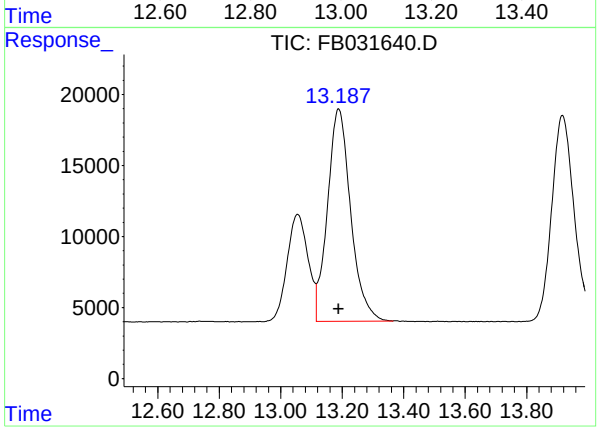
#6 Toluene

R.T.: 10.620 min
Delta R.T.: 0.000 min
Response: 1180704
Conc: 30.00 ng/ml



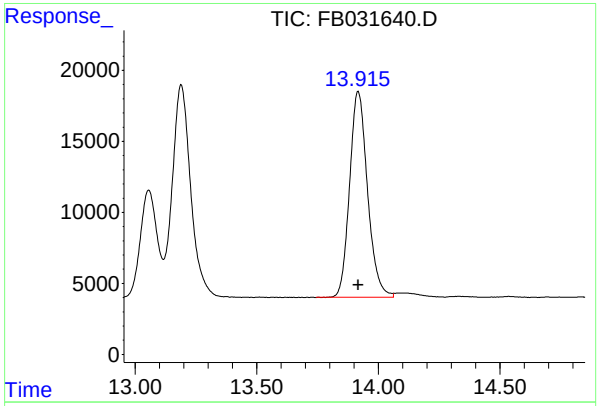
#7 Ethylbenzene

R.T.: 13.056 min
Delta R.T.: 0.000 min
Response: 358476
Conc: 10.00 ng/ml



#8 m-Xylene

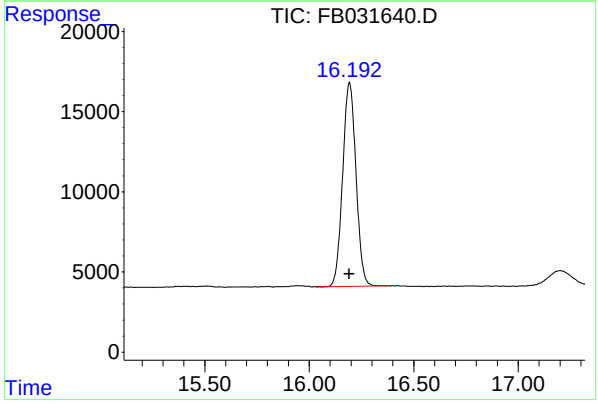
R.T.: 13.189 min
Delta R.T.: 0.000 min
Response: 782776
Conc: 20.00 ng/ml



#9 O-Xylene

R.T.: 13.917 min
Delta R.T.: 0.000 min
Response: 742846
Conc: 20.00 ng/ml

Instrument :
FID_B
ClientSampleId :
20 GRO STD



#10 1,2,4-Trimethylbenzene

R.T.: 16.193 min
Delta R.T.: 0.000 min
Response: 564568
Conc: 20.00 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB042325\
Data File : FB031640.D
Signal(s) : FID2B.CH
Acq On : 23 Apr 2025 13:05
Sample : 20 GRO STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.723	4.576	4.897	BV	9020	653412	55.34%	10.134%
2	7.421	7.198	7.635	PV	11593	1002520	84.91%	15.548%
3	7.754	7.635	7.821	VV	5174	293650	24.87%	4.554%
4	7.893	7.821	8.183	VV	7067	403622	34.18%	6.260%
5	8.792	8.628	9.055	PV	7935	465374	39.41%	7.217%
6	10.620	10.449	10.986	BV	22095	1180704	100.00%	18.311%
7	13.056	12.946	13.116	PV	7553	358476	30.36%	5.560%
8	13.189	13.116	13.367	VV	14968	782776	66.30%	12.140%
9	13.917	13.744	14.061	BV	14506	742846	62.92%	11.521%
10	16.193	16.032	16.401	BBA	12747	564568	47.82%	8.756%

Sum of corrected areas: 6447948

FB042325.M Thu Apr 24 05:33:54 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB042325\
Data File : FB031641.D
Signal(s) : FID2B.CH
Acq On : 23 Apr 2025 13:32
Operator : YP/AJ
Sample : 50 GRO STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
50 GRO STD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 04/24/2025
Supervised By :mohammad ahmed 04/26/2025

Integration File: Calibration.e
Quant Time: Apr 23 13:20:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:04:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
5) s	AAA-TFT	8.793	1282415	61.385	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.721	1943857	95.776	ng/mlm
2) t	2,2,4-Trimethylpentane	7.423	2821839	87.375	ng/ml
3) t	n-Heptane	7.754	876961	31.561	ng/ml
4) t	Benzene	7.895	1147039	30.446	ng/ml
6) t	Toluene	10.621	3223272	85.021	ng/ml
7) t	Ethylbenzene	13.058	952749	27.535	ng/ml
8) t	m-Xylene	13.191	2078731	54.895	ng/ml
9) t	O-Xylene	13.920	1953108	54.031	ng/ml
10) t	1,2,4-Trimethylbenzene	16.194	1364367	49.012	ng/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

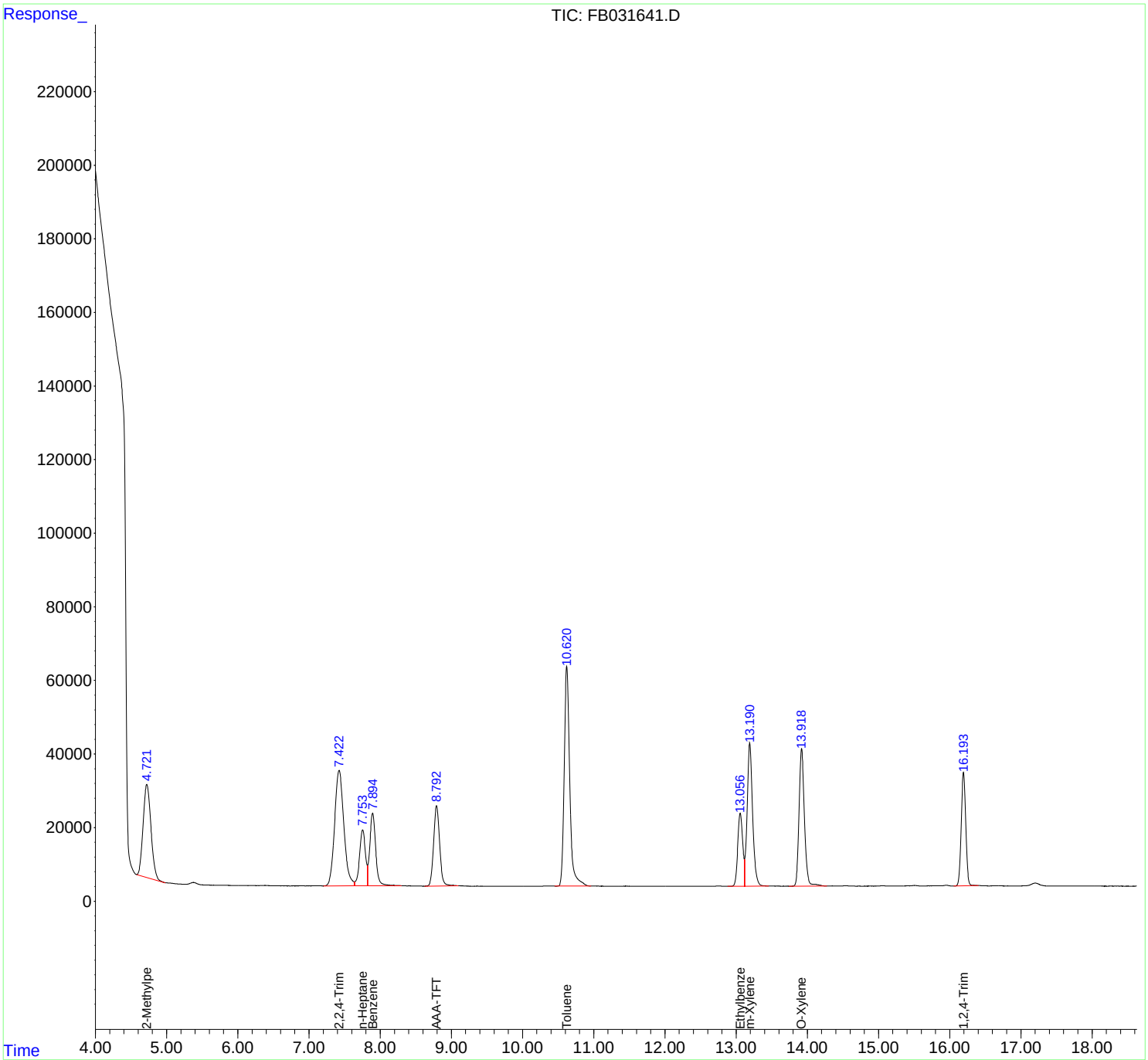
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB042325\
Data File : FB031641.D
Signal(s) : FID2B.CH
Acq On : 23 Apr 2025 13:32
Operator : YP/AJ
Sample : 50 GRO STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

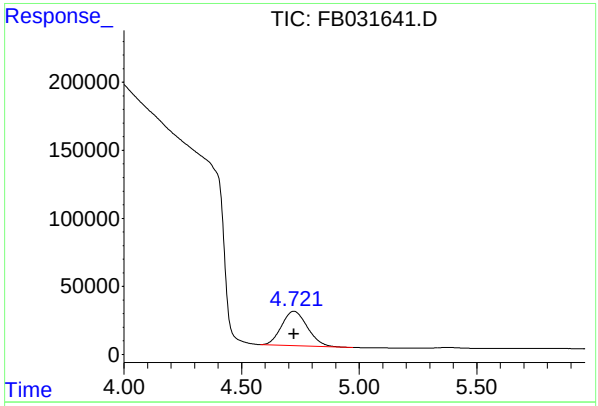
Integration File: Calibration.e
Quant Time: Apr 23 13:20:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:04:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um

Instrument :
FID_B
ClientSampleId :
50 GRO STD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 04/24/2025
Supervised By :mohammad ahmed 04/26/2025





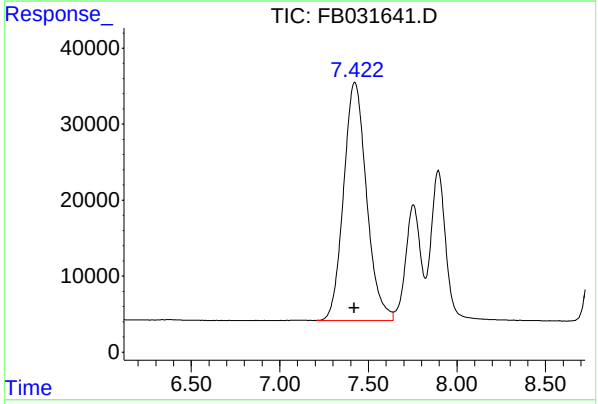
#1 2-Methylpentane

R.T.: 4.721 min
Delta R.T.: -0.002 min
Response: 1943857
Conc: 95.78 ng/ml

Instrument :
FID_B
ClientSampleId :
50 GRO STD

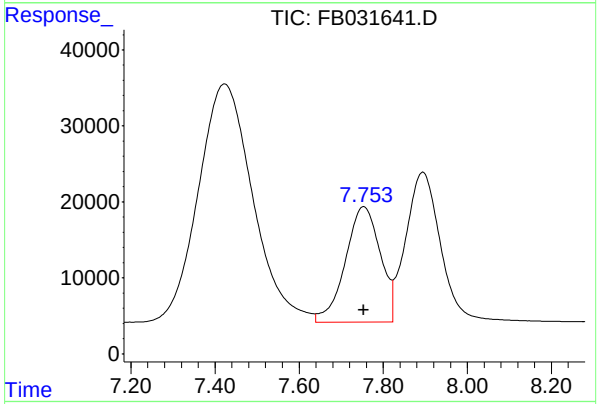
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



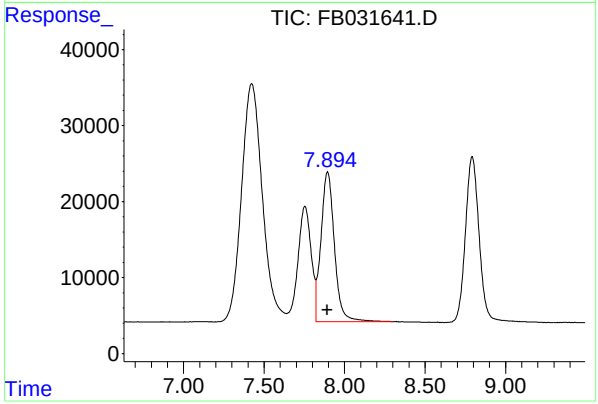
#2 2,2,4-Trimethylpentane

R.T.: 7.423 min
Delta R.T.: 0.003 min
Response: 2821839
Conc: 87.38 ng/ml



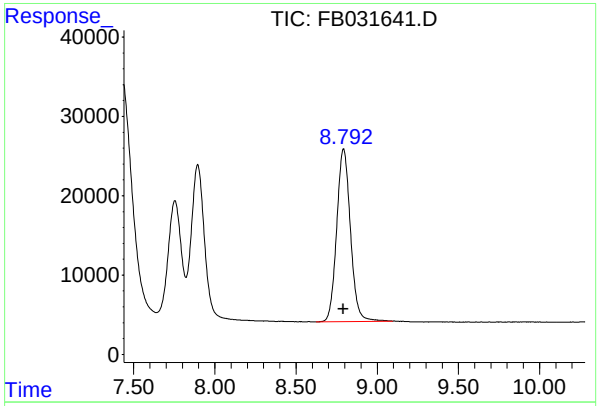
#3 n-Heptane

R.T.: 7.754 min
Delta R.T.: 0.000 min
Response: 876961
Conc: 31.56 ng/ml



#4 Benzene

R.T.: 7.895 min
Delta R.T.: 0.002 min
Response: 1147039
Conc: 30.45 ng/ml



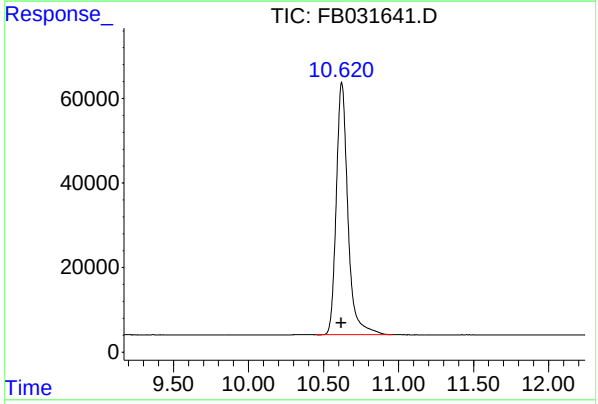
#5 AAA-TFT

R.T.: 8.793 min
Delta R.T.: 0.000 min
Response: 1282415
Conc: 61.38 ng/ml

Instrument :
FID_B
ClientSampleId :
50 GRO STD

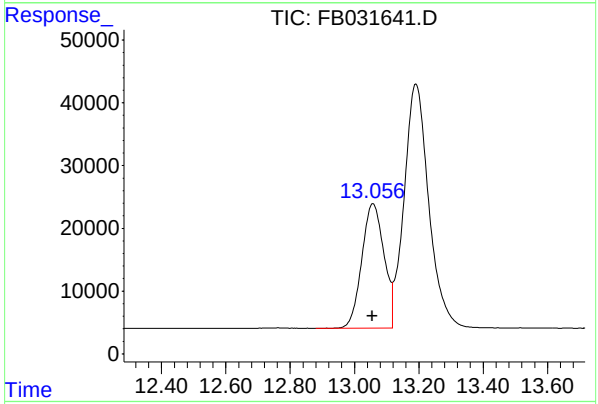
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



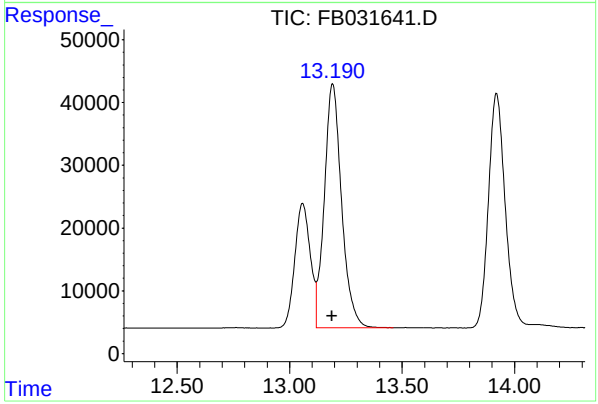
#6 Toluene

R.T.: 10.621 min
Delta R.T.: 0.002 min
Response: 3223272
Conc: 85.02 ng/ml



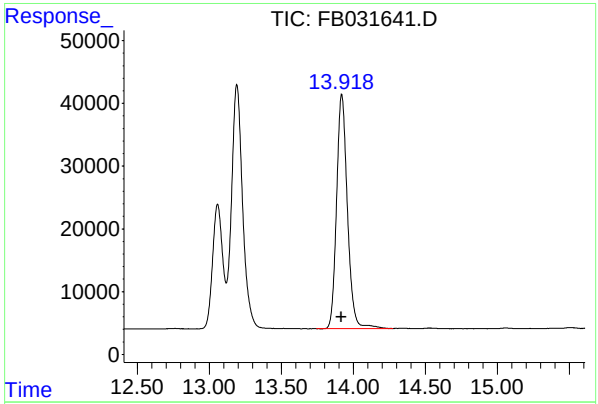
#7 Ethylbenzene

R.T.: 13.058 min
Delta R.T.: 0.002 min
Response: 952749
Conc: 27.54 ng/ml



#8 m-Xylene

R.T.: 13.191 min
Delta R.T.: 0.003 min
Response: 2078731
Conc: 54.90 ng/ml



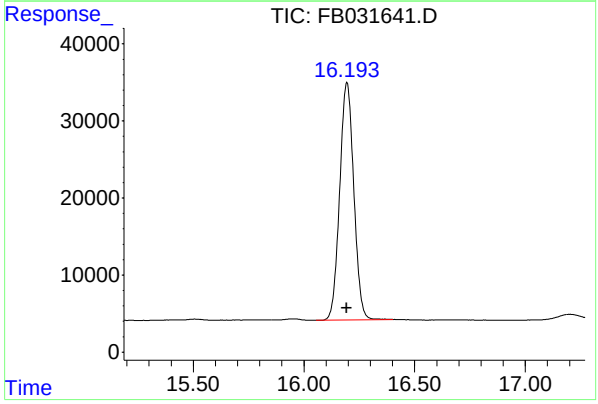
#9 O-Xylene

R.T.: 13.920 min
Delta R.T.: 0.003 mi
Response: 1953108
Conc: 54.03 ng/m

Instrument :
FID_B
ClientSampleId :
50 GRO STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



#10 1,2,4-Trimethylbenzene

R.T.: 16.194 min
Delta R.T.: 0.002 min
Response: 1364367
Conc: 49.01 ng/ml

Instrument :
FID_B
LabSampleId :
50 GRO STD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/24/2025
Supervised By :mohammad ahmed 04/26/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB04232
Data File : FB031641.D
Signal(s) : FID2B.CH
Acq On : 23 Apr 2025 13:32
Sample : 50 GRO STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.723	4.571	5.044	BV	25222	1906130	59.14%	10.826%
2	7.423	7.205	7.639	PV	31370	2821839	87.55%	16.027%
3	7.754	7.639	7.823	VV	15199	876961	27.21%	4.981%
4	7.895	7.823	8.300	VV	19729	1147039	35.59%	6.515%
5	8.793	8.622	9.096	PV	21806	1282415	39.79%	7.284%
6	10.621	10.449	10.962	BV	59722	3223272	100.00%	18.307%
7	13.058	12.879	13.118	BV	19855	952749	29.56%	5.411%
8	13.191	13.118	13.461	VV	38906	2078731	64.49%	11.807%
9	13.920	13.742	14.276	BV	37366	1953108	60.59%	11.093%
10	16.194	16.055	16.403	PBA	30838	1364367	42.33%	7.749%

Sum of corrected areas: 17606611

FB042325.M Thu Apr 24 05:34:16 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB042325\
Data File : FB031642.D
Signal(s) : FID2B.CH
Acq On : 23 Apr 2025 14:00
Operator : YP/AJ
Sample : 100 GRO STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
100 GRO STD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 04/24/2025
Supervised By :mohammad ahmed 04/26/2025

Integration File: Calibration.e
Quant Time: Apr 23 13:47:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:21:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
5) s	AAA-TFT	8.793	2634171	119.298	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.717	3645107	167.966	ng/mlm
2) t	2,2,4-Trimethylpentane	7.425	5442265	161.838	ng/ml
3) t	n-Heptane	7.753	1767718	59.702	ng/ml
4) t	Benzene	7.894	2277843	57.339	ng/ml
6) t	Toluene	10.623	6374427	162.704	ng/ml
7) t	Ethylbenzene	13.061	1837771	51.800	ng/ml
8) t	m-Xylene	13.195	4018351	103.582	ng/ml
9) t	O-Xylene	13.923	3671021	99.549	ng/ml
10) t	1,2,4-Trimethylbenzene	16.197	2407339	86.908	ng/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

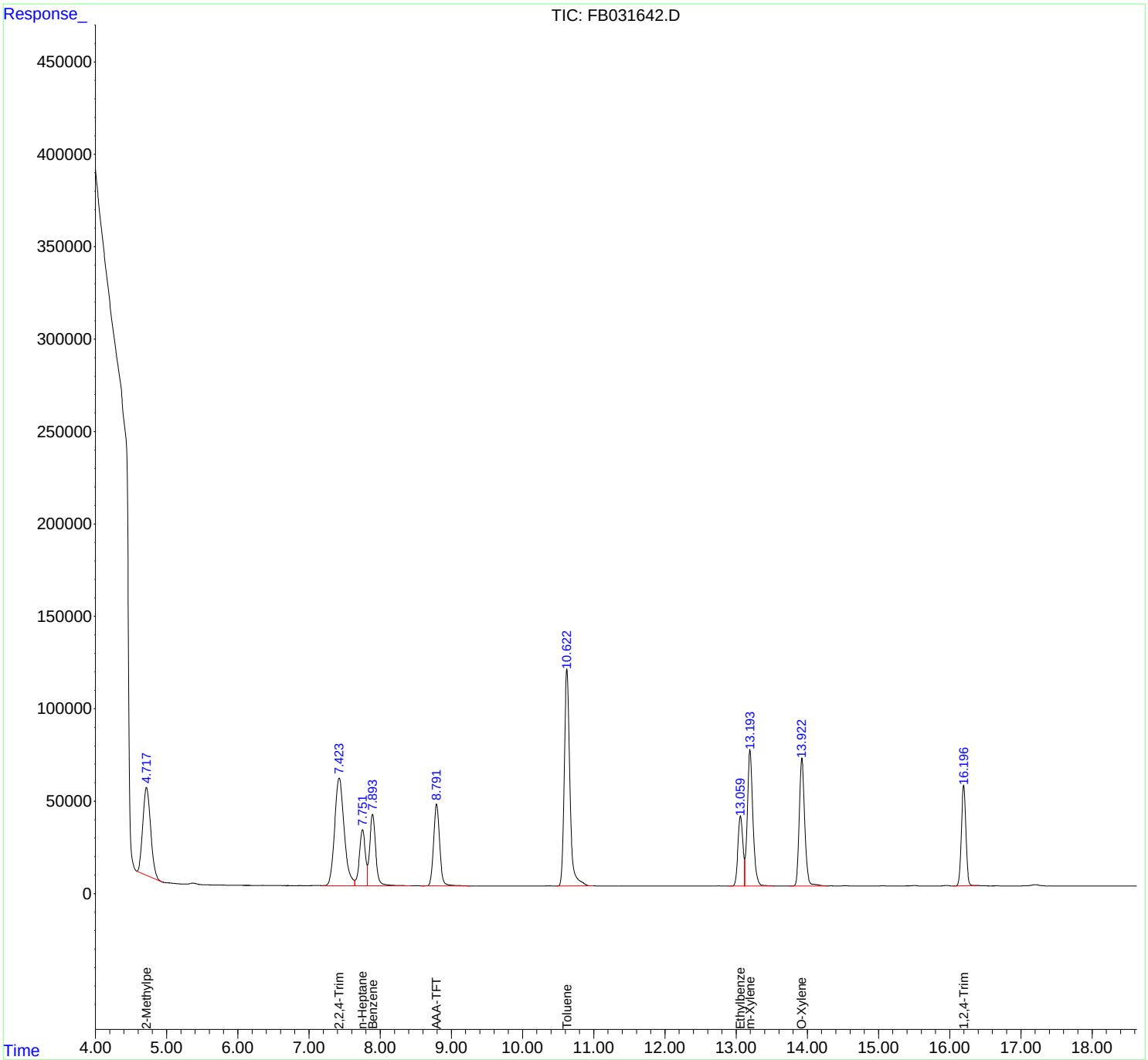
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB042325\
Data File : FB031642.D
Signal(s) : FID2B.CH
Acq On : 23 Apr 2025 14:00
Operator : YP/AJ
Sample : 100 GRO STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

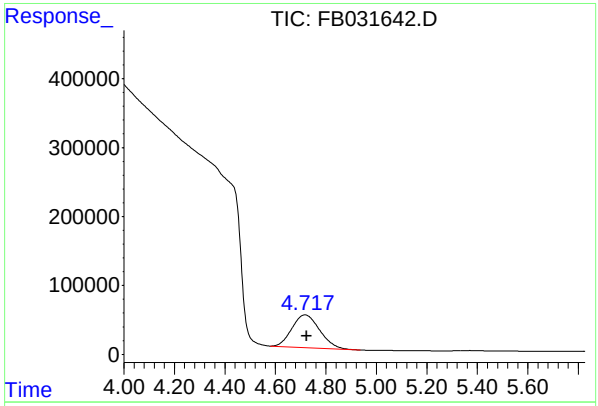
Integration File: Calibration.e
Quant Time: Apr 23 13:47:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:21:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um

Instrument :
FID_B
ClientSampleId :
100 GRO STD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 04/24/2025
Supervised By :mohammad ahmed 04/26/2025





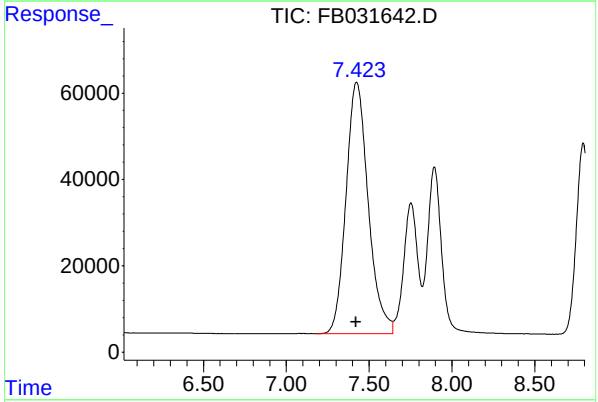
#1 2-Methylpentane

R.T.: 4.717 min
Delta R.T.: -0.006 min
Response: 3645107
Conc: 167.97 ng/ml

Instrument :
FID_B
ClientSampleId :
100 GRO STD

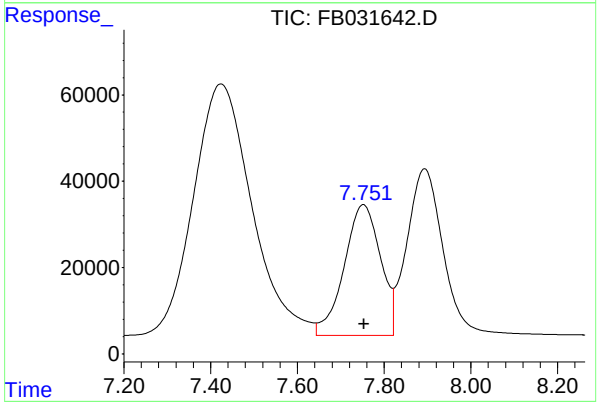
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



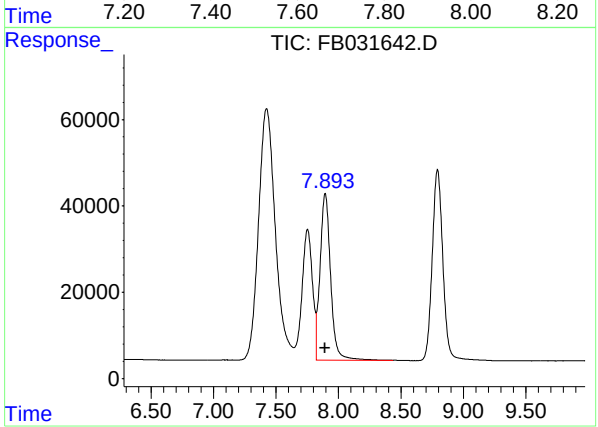
#2 2,2,4-Trimethylpentane

R.T.: 7.425 min
Delta R.T.: 0.004 min
Response: 5442265
Conc: 161.84 ng/ml



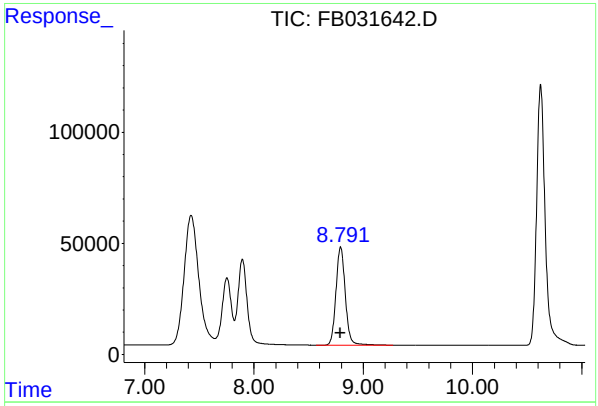
#3 n-Heptane

R.T.: 7.753 min
Delta R.T.: 0.000 min
Response: 1767718
Conc: 59.70 ng/ml



#4 Benzene

R.T.: 7.894 min
Delta R.T.: 0.000 min
Response: 2277843
Conc: 57.34 ng/ml



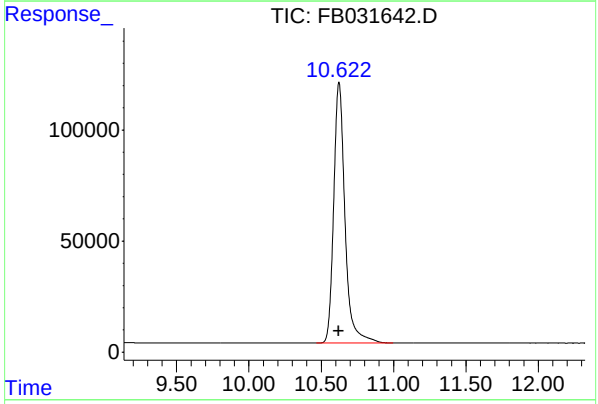
#5 AAA-TFT

R.T.: 8.793 min
Delta R.T.: 0.000 min
Response: 2634171
Conc: 119.30 ng/ml

Instrument :
FID_B
ClientSampleId :
100 GRO STD

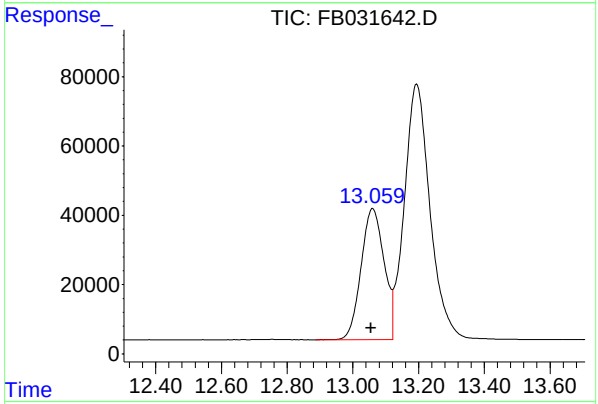
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



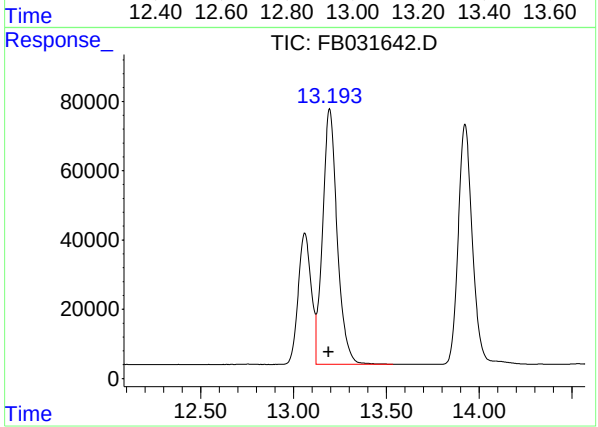
#6 Toluene

R.T.: 10.623 min
Delta R.T.: 0.003 min
Response: 6374427
Conc: 162.70 ng/ml



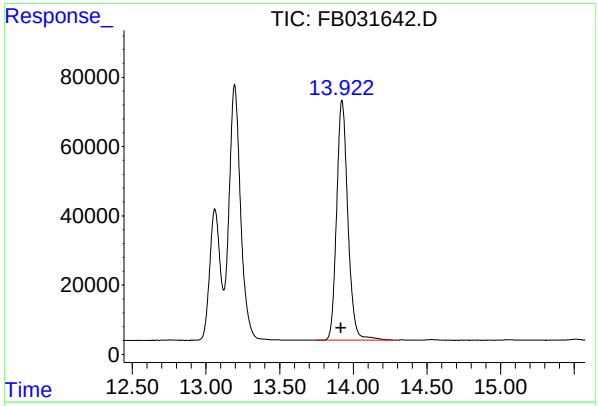
#7 Ethylbenzene

R.T.: 13.061 min
Delta R.T.: 0.005 min
Response: 1837771
Conc: 51.80 ng/ml



#8 m-Xylene

R.T.: 13.195 min
Delta R.T.: 0.006 min
Response: 4018351
Conc: 103.58 ng/ml



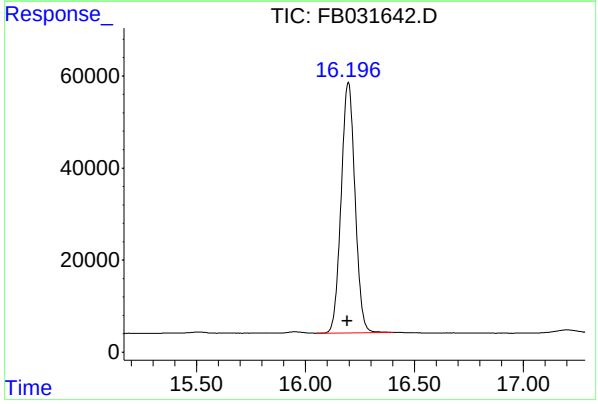
#9 O-Xylene

R.T.: 13.923 min
Delta R.T.: 0.006 min
Response: 3671021
Conc: 99.55 ng/ml

Instrument :
FID_B
ClientSampleId :
100 GRO STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



#10 1,2,4-Trimethylbenzene

R.T.: 16.197 min
Delta R.T.: 0.004 min
Response: 2407339
Conc: 86.91 ng/ml

Instrument :
FID_B
LabSampleId :
100 GRO STD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/24/2025
Supervised By :mohammad ahmed 04/26/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB04232
Data File : FB031642.D
Signal(s) : FID2B.CH
Acq On : 23 Apr 2025 14:00
Sample : 100 GRO STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.717	4.571	5.260	BV	46659	3155765	49.51%	9.396%
2	7.425	7.179	7.643	BV	58276	5442265	85.38%	16.204%
3	7.753	7.643	7.821	VV	30333	1767718	27.73%	5.263%
4	7.894	7.821	8.437	VV	38638	2277843	35.73%	6.782%
5	8.793	8.567	9.272	BV	44303	2634171	41.32%	7.843%
6	10.623	10.466	10.997	BV	117480	6374427	100.00%	18.979%
7	13.061	12.887	13.121	PV	37937	1837771	28.83%	5.472%
8	13.195	13.121	13.536	VV	73773	4018351	63.04%	11.964%
9	13.923	13.747	14.269	BV	69332	3671021	57.59%	10.930%
10	16.197	16.049	16.403	PBA	54438	2407339	37.77%	7.168%

Sum of corrected areas: 33586669

FB042325.M Thu Apr 24 05:34:46 2025

Page 1

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB042325\
Data File : FB031643.D
Signal(s) : FID2B.CH
Acq On : 23 Apr 2025 14:39
Operator : YP/AJ
Sample : FB042325GROICV
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
FB042325GROICV

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/24/2025
Supervised By :mohammad ahmed 04/26/2025

Integration File: Calibration.e
Quant Time: Apr 23 14:46:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
5) s	AAA-TFT	8.792	422328	18.416	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.721	709966	31.950	ng/mlm
2) t	2,2,4-Trimethylpentane	7.422	1122738	32.868	ng/ml
3) t	n-Heptane	7.753	337289	10.966	ng/ml
4) t	Benzene	7.893	454308	11.110	ng/ml
6) t	Toluene	10.620	1329151	33.361	ng/ml
7) t	Ethylbenzene	13.057	408406	11.429	ng/ml
8) t	m-Xylene	13.190	901701	23.078	ng/ml
9) t	O-Xylene	13.919	853136	23.156	ng/ml
10) t	1,2,4-Trimethylbenzene	16.194	679623	25.195	ng/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB042325\
Data File : FB031643.D
Signal(s) : FID2B.CH
Acq On : 23 Apr 2025 14:39
Operator : YP/AJ
Sample : FB042325GROICV
Misc :
ALS Vial : 6 Sample Multiplier: 1

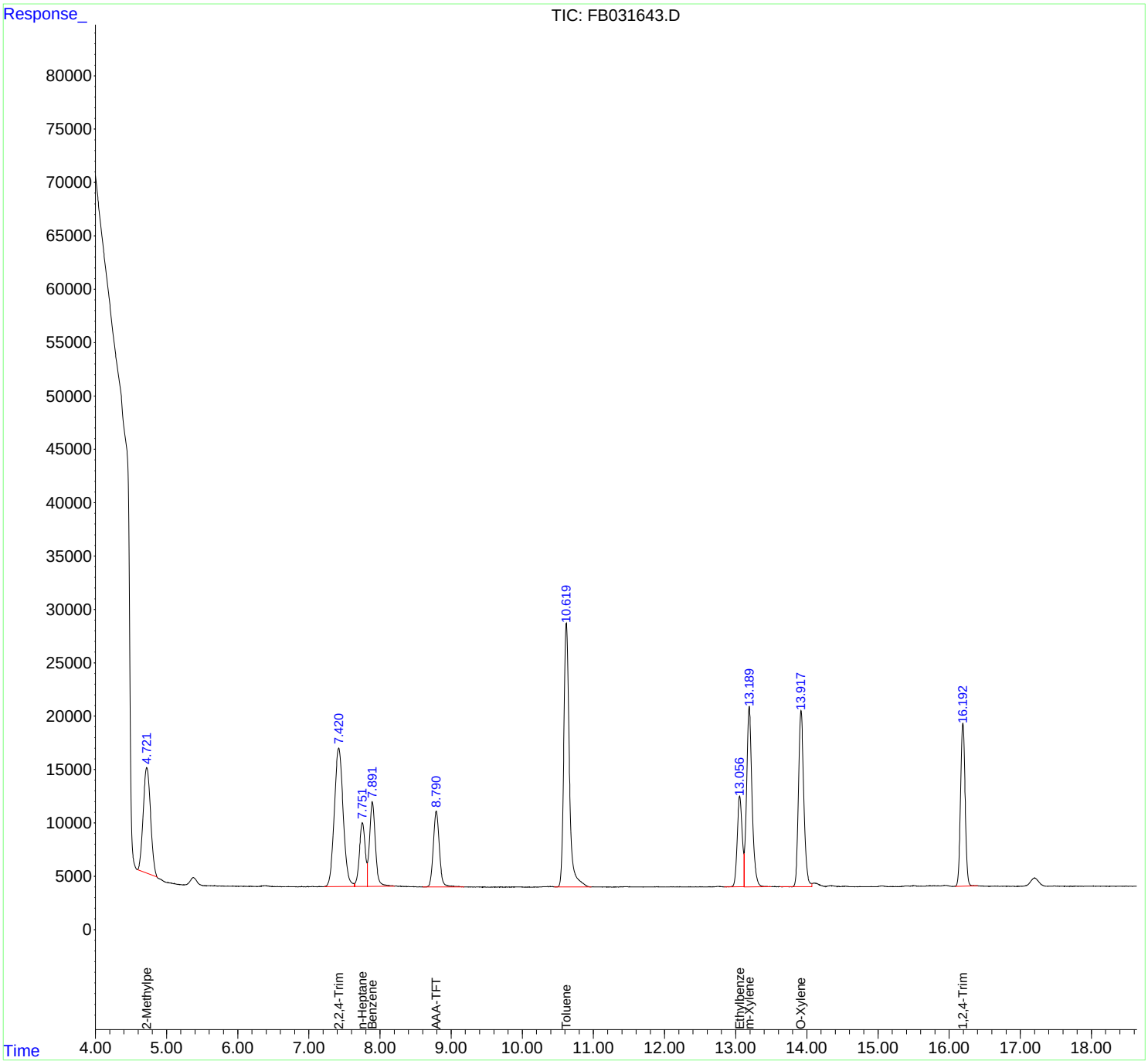
Integration File: Calibration.e
Quant Time: Apr 23 14:46:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

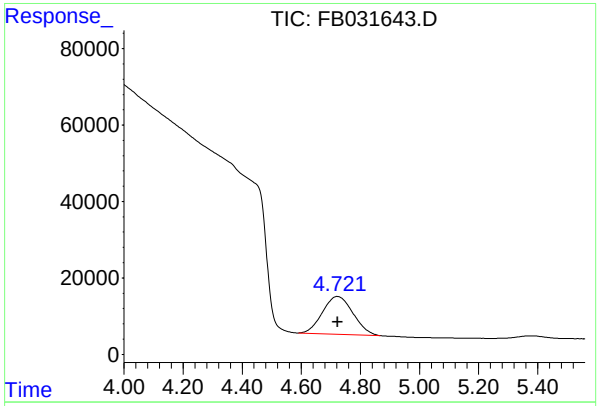
Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um

Instrument :
FID_B
ClientSampleId :
FB042325GROICV

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/24/2025
Supervised By :mohammad ahmed 04/26/2025





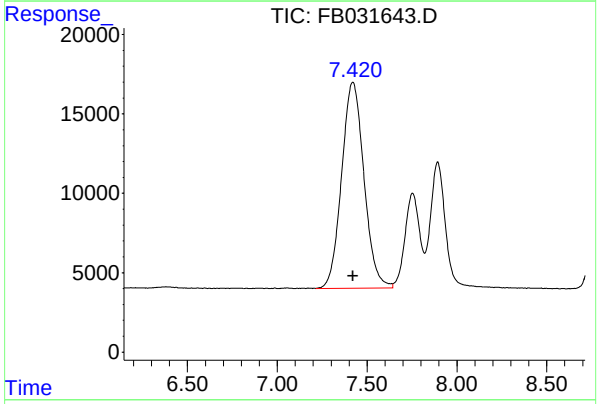
#1 2-Methylpentane

R.T.: 4.721 min
Delta R.T.: -0.002 min
Response: 709966
Conc: 31.95 ng/ml

Instrument :
FID_B
ClientSampleId :
FB042325GROICV

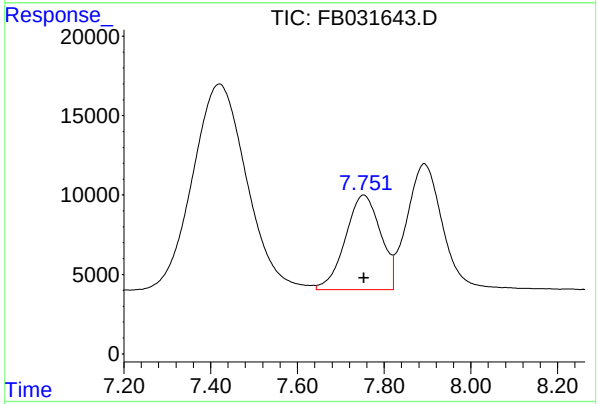
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



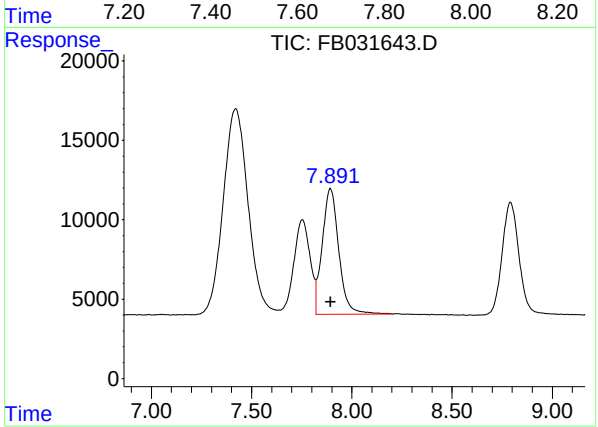
#2 2,2,4-Trimethylpentane

R.T.: 7.422 min
Delta R.T.: 0.000 min
Response: 1122738
Conc: 32.87 ng/ml



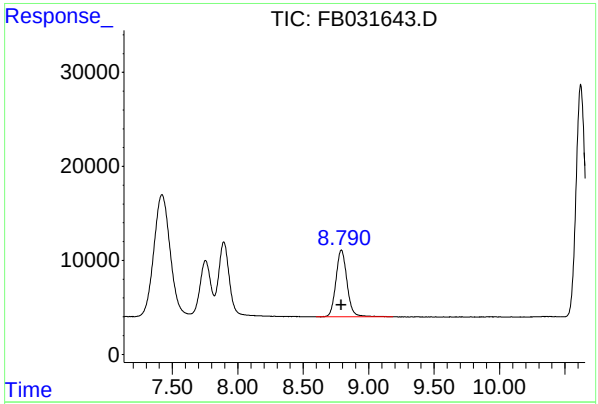
#3 n-Heptane

R.T.: 7.753 min
Delta R.T.: 0.000 min
Response: 337289
Conc: 10.97 ng/ml



#4 Benzene

R.T.: 7.893 min
Delta R.T.: 0.000 min
Response: 454308
Conc: 11.11 ng/ml



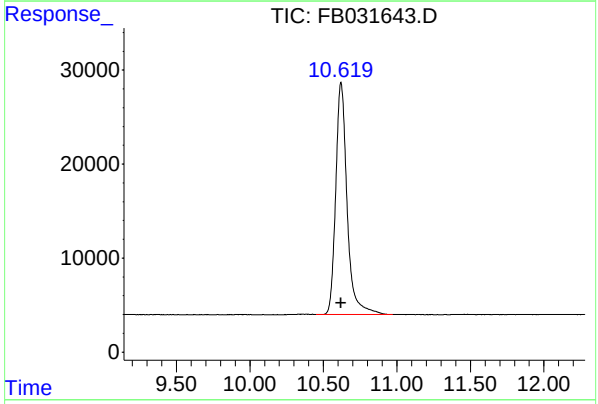
#5 AAA-TFT

R.T.: 8.792 min
Delta R.T.: 0.000 min
Response: 422328
Conc: 18.42 ng/ml

Instrument :
FID_B
ClientSampleId :
FB042325GROICV

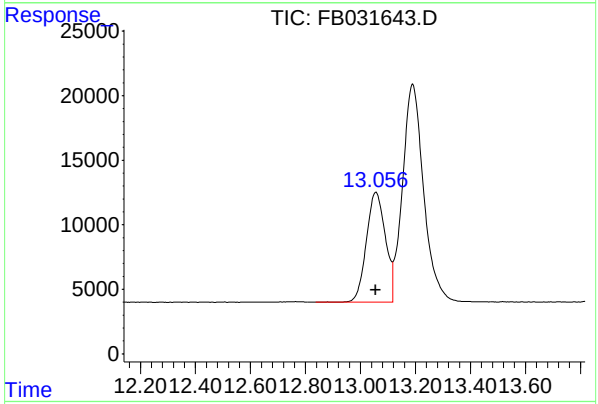
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



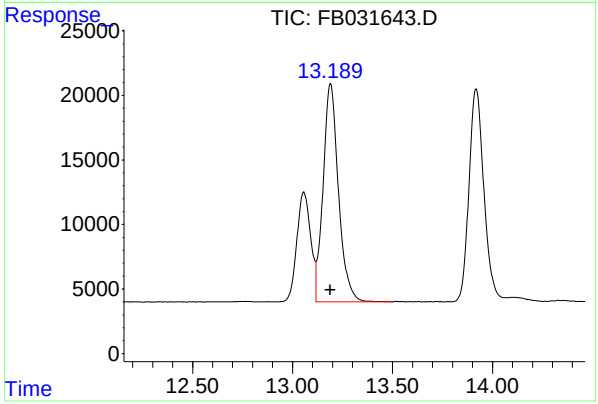
#6 Toluene

R.T.: 10.620 min
Delta R.T.: 0.000 min
Response: 1329151
Conc: 33.36 ng/ml



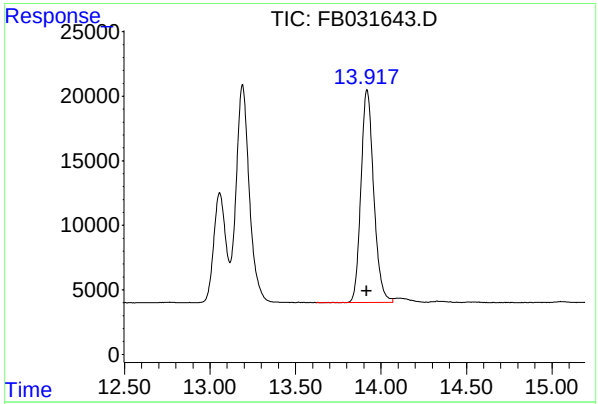
#7 Ethylbenzene

R.T.: 13.057 min
Delta R.T.: 0.000 min
Response: 408406
Conc: 11.43 ng/ml



#8 m-Xylene

R.T.: 13.190 min
Delta R.T.: 0.001 min
Response: 901701
Conc: 23.08 ng/ml



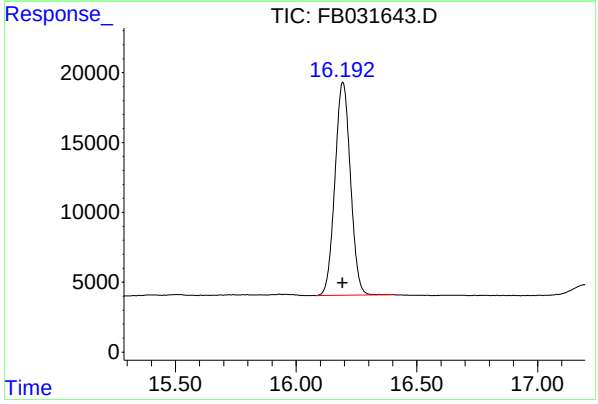
#9 O-Xylene

R.T.: 13.919 min
Delta R.T.: 0.002 mi
Response: 853136
Conc: 23.16 ng/m

Instrument :
FID_B
ClientSampleId :
FB042325GROICV

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



#10 1,2,4-Trimethylbenzene

R.T.: 16.194 min
Delta R.T.: 0.000 min
Response: 679623
Conc: 25.20 ng/ml

Instrument :
FID_B
ClientSampleId :
FB042325GROICV

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/24/2025
Supervised By :mohammad ahmed 04/26/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB04232
Data File : FB031643.D
Signal(s) : FID2B.CH
Acq On : 23 Apr 2025 14:39
Sample : FB042325GROICV
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.722	4.582	5.161	BV	9880	688328	51.79%	9.564%
2	7.422	7.215	7.643	PV	12975	1122738	84.47%	15.600%
3	7.753	7.643	7.821	VV	5969	337289	25.38%	4.687%
4	7.893	7.821	8.206	VV	7929	454308	34.18%	6.312%
5	8.792	8.598	9.185	BV	7120	422328	31.77%	5.868%
6	10.620	10.449	10.972	BV	24706	1329151	100.00%	18.468%
7	13.057	12.837	13.117	BV	8516	408406	30.73%	5.675%
8	13.190	13.117	13.502	VV	16905	901701	67.84%	12.529%
9	13.919	13.619	14.069	BV	16471	853136	64.19%	11.854%
10	16.194	16.082	16.401	BBA	15255	679623	51.13%	9.443%

Sum of corrected areas: 7197008

FB042325.M Thu Apr 24 05:35:07 2025

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

GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Chemtech Contract: ALLI03

ProjectID: NJ Soil PT

Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872 SDG No.: Q1872

DataFile: FB031653.D Analyst Name: YP/AJ Analyst Date: 04-29-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	6975350	38752	33435	15.902

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB042925\
Data File : FB031653.D
Signal(s) : FID2B.CH
Acq On : 29 Apr 2025 8:43
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Apr 30 02:32:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
5) s	AAA-TFT	8.791	471819	20.574	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.727	742854	33.430	ng/ml
2) t	2,2,4-Trimethylpentane	7.422	1146334	33.559	ng/ml
3) t	n-Heptane	7.753	354736	11.533	ng/ml
4) t	Benzene	7.893	481979	11.787	ng/ml
6) t	Toluene	10.619	1374660	34.503	ng/ml
7) t	Ethylbenzene	13.054	417440	11.682	ng/ml
8) t	m-Xylene	13.188	908924	23.263	ng/ml
9) t	O-Xylene	13.916	865765	23.499	ng/ml
10) t	1,2,4-Trimethylbenzene	16.191	682658	25.308	ng/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

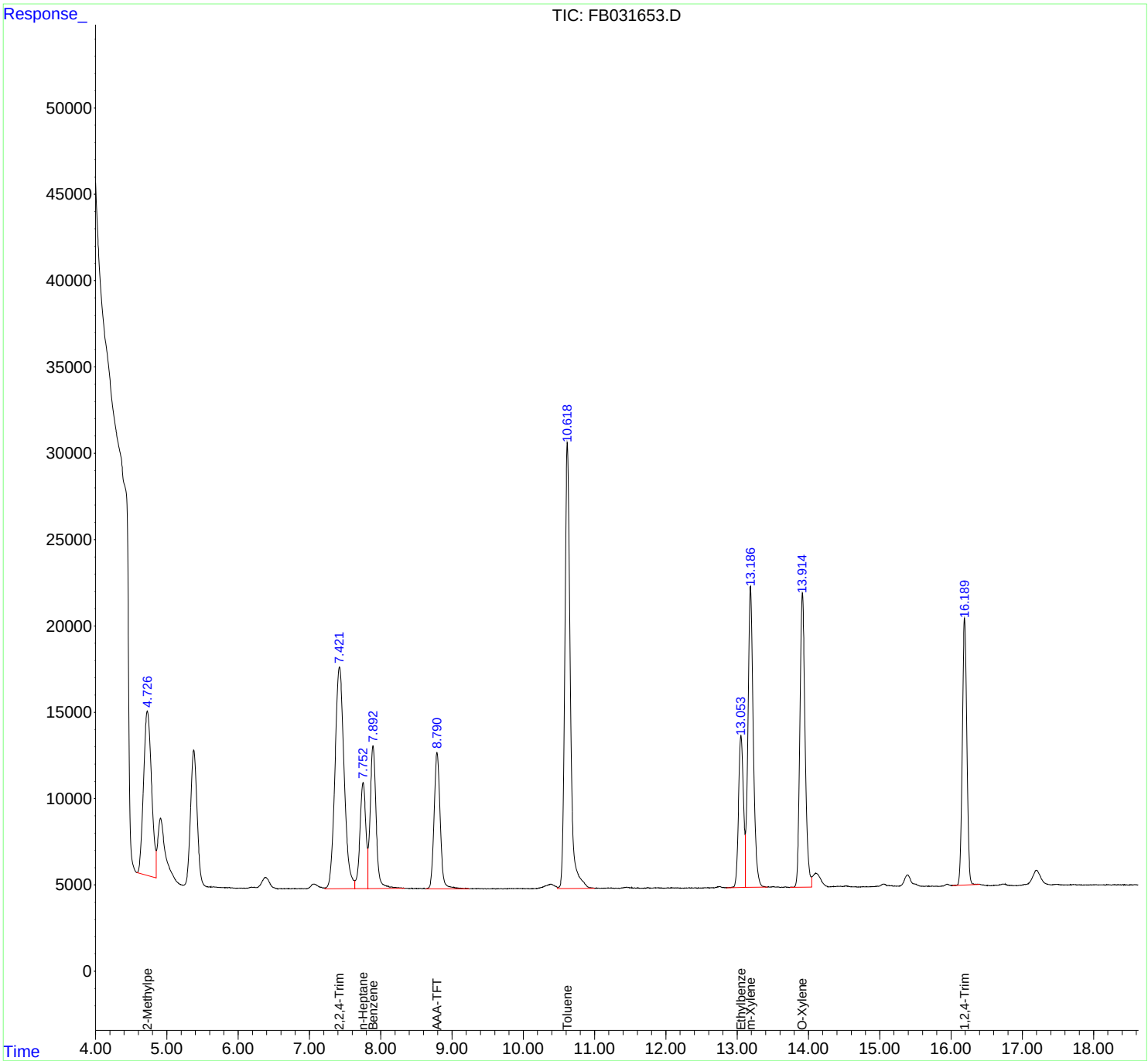
Quantitation Report (QT Reviewed)

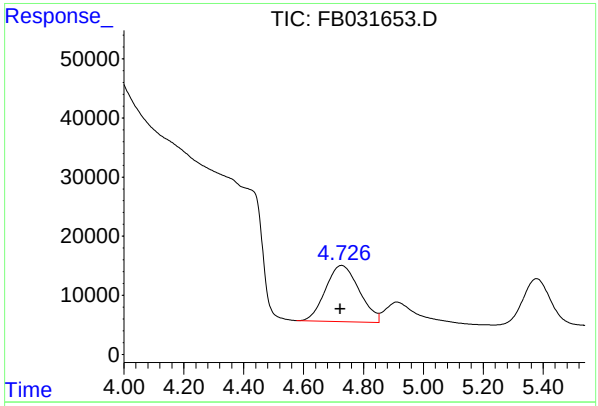
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB042925\
Data File : FB031653.D
Signal(s) : FID2B.CH
Acq On : 29 Apr 2025 8:43
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Apr 30 02:32:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um

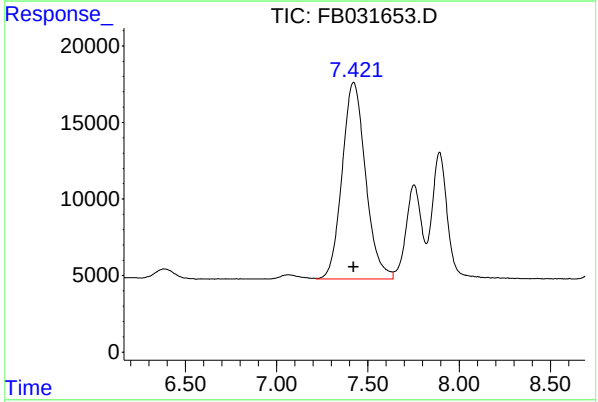




#1 2-Methylpentane

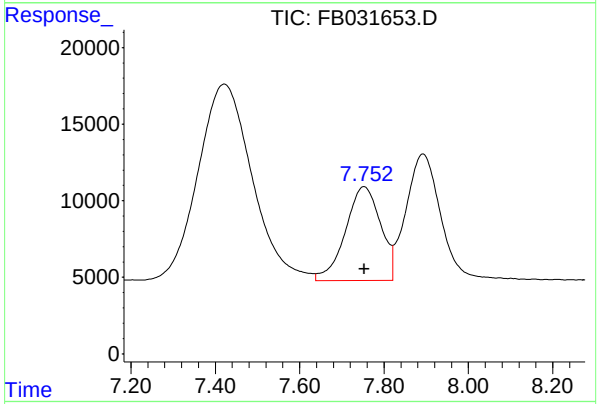
R.T.: 4.727 min
Delta R.T.: 0.004 min
Response: 742854
Conc: 33.43 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



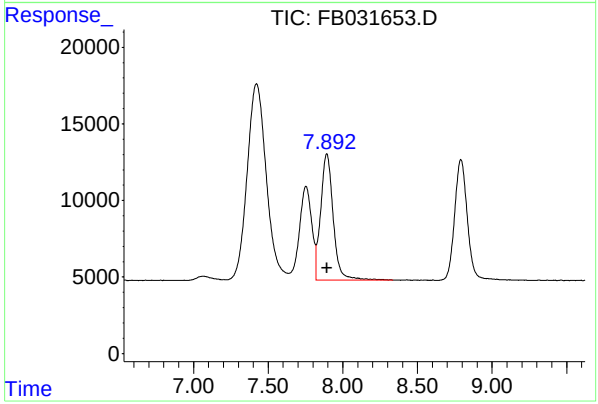
#2 2,2,4-Trimethylpentane

R.T.: 7.422 min
Delta R.T.: 0.001 min
Response: 1146334
Conc: 33.56 ng/ml



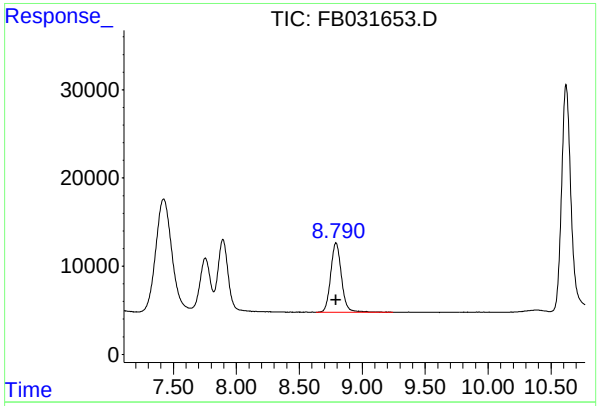
#3 n-Heptane

R.T.: 7.753 min
Delta R.T.: 0.000 min
Response: 354736
Conc: 11.53 ng/ml



#4 Benzene

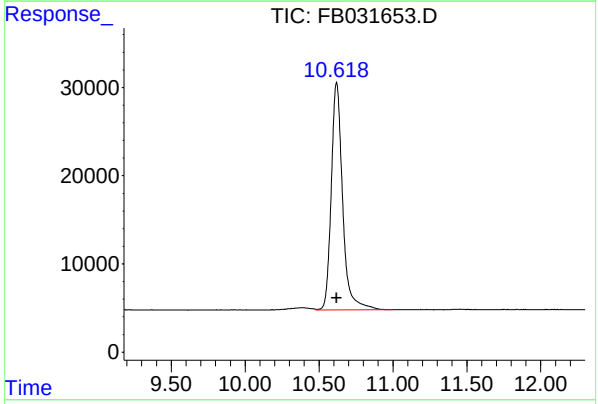
R.T.: 7.893 min
Delta R.T.: 0.000 min
Response: 481979
Conc: 11.79 ng/ml



#5 AAA-TFT

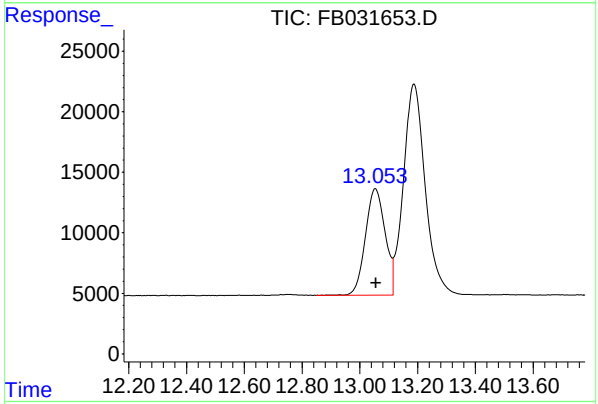
R.T.: 8.791 min
Delta R.T.: 0.000 min
Response: 471819
Conc: 20.57 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



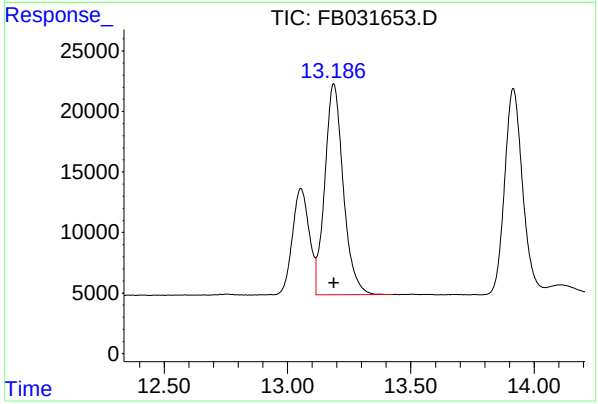
#6 Toluene

R.T.: 10.619 min
Delta R.T.: 0.000 min
Response: 1374660
Conc: 34.50 ng/ml



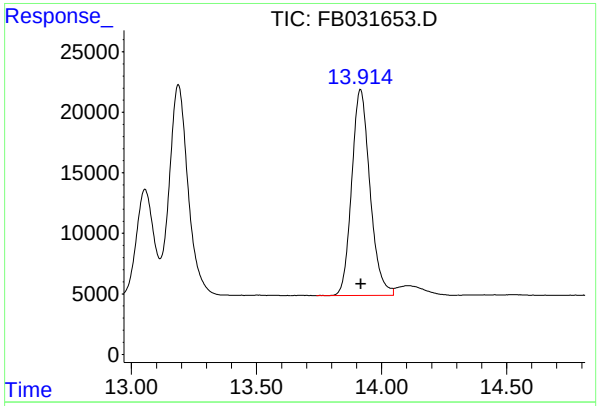
#7 Ethylbenzene

R.T.: 13.054 min
Delta R.T.: -0.001 min
Response: 417440
Conc: 11.68 ng/ml



#8 m-Xylene

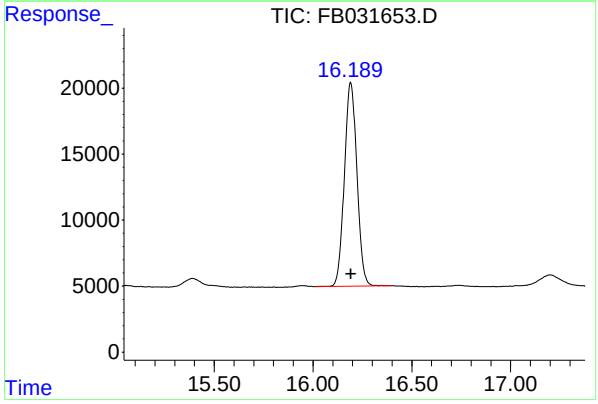
R.T.: 13.188 min
Delta R.T.: -0.001 min
Response: 908924
Conc: 23.26 ng/ml



#9 O-Xylene

R.T.: 13.916 min
Delta R.T.: -0.001 mi
Response: 865765
Conc: 23.50 ng/m

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



#10 1,2,4-Trimethylbenzene

R.T.: 16.191 min
Delta R.T.: -0.002 min
Response: 682658
Conc: 25.31 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB042925\
Data File : FB031653.D
Signal(s) : FID2B.CH
Acq On : 29 Apr 2025 8:43
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.727	4.576	4.852	BV	9521	742854	54.04%	9.975%
2	7.422	7.216	7.638	VV	12847	1146334	83.39%	15.393%
3	7.753	7.638	7.820	VV	6140	354736	25.81%	4.763%
4	7.893	7.820	8.336	VB	8275	481979	35.06%	6.472%
5	8.791	8.632	9.244	PB	7895	471819	34.32%	6.336%
6	10.619	10.480	11.000	VV	25807	1374660	100.00%	18.459%
7	13.054	12.848	13.115	BV	8804	417440	30.37%	5.605%
8	13.188	13.115	13.427	VV	17441	908924	66.12%	12.205%
9	13.916	13.739	14.047	BV	17030	865765	62.98%	11.625%
10	16.191	16.014	16.404	PBA	15436	682658	49.66%	9.167%

Sum of corrected areas: 7447168

FB042325.M Wed Apr 30 03:40:26 2025

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

GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Chemtech Contract: ALLI03

ProjectID: NJ Soil PT

Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872 SDG No.: Q1872

DataFile: FB031663.D Analyst Name: YP/AJ Analyst Date: 04-29-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	6289059	34939	33435	4.498

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB042925\
Data File : FB031663.D
Signal(s) : FID2B.CH
Acq On : 29 Apr 2025 15:34
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Apr 30 02:34:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um

	Compound	R.T.	Response	Conc	Units
System Monitoring Compounds					
5) s	AAA-TFT	8.795	415655	18.125	ng/ml
Target Compounds					
1) t	2-Methylpentane	4.725	597978	26.910	ng/ml
2) t	2,2,4-Trimethylpentane	7.424	984719	28.828	ng/ml
3) t	n-Heptane	7.756	287799	9.357	ng/ml
4) t	Benzene	7.896	397190	9.713	ng/ml
6) t	Toluene	10.622	1240111	31.126	ng/ml
7) t	Ethylbenzene	13.058	384316	10.755	ng/ml
8) t	m-Xylene	13.192	920200	23.551	ng/ml
9) t	O-Xylene	13.920	795304	21.586	ng/ml
10) t	1,2,4-Trimethylbenzene	16.196	681442	25.262	ng/ml

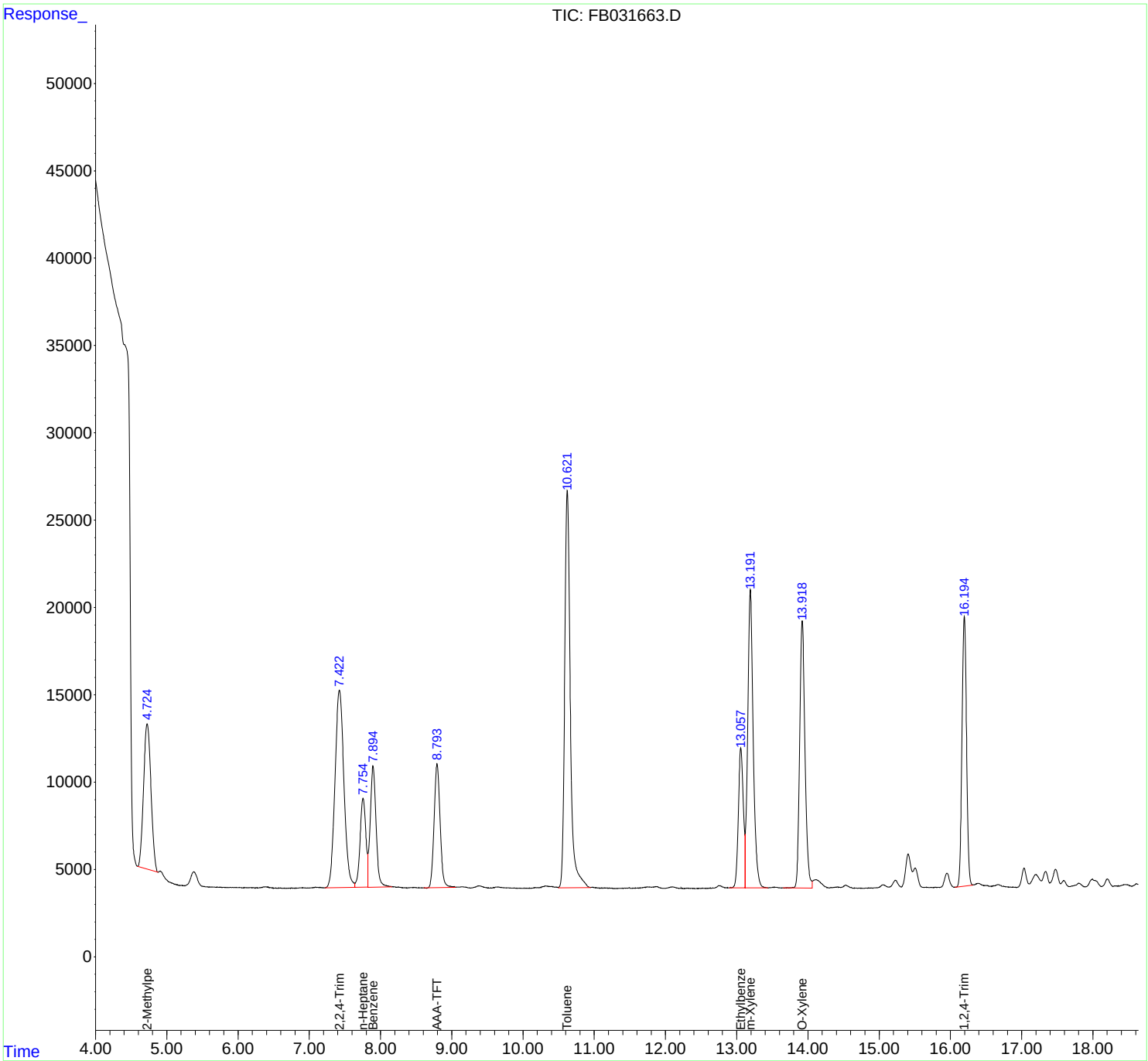
(f)=RT Delta > 1/2 Window (m)=manual int.

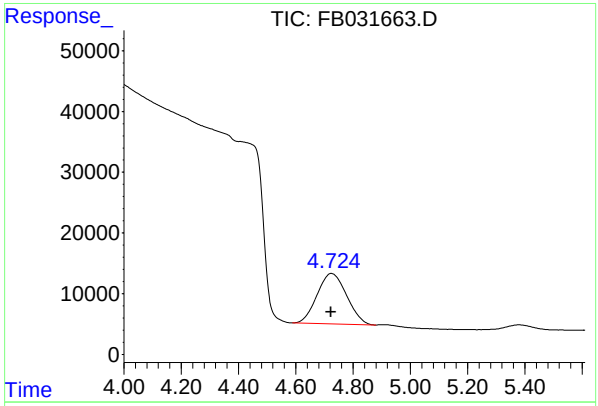
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB042925\
Data File : FB031663.D
Signal(s) : FID2B.CH
Acq On : 29 Apr 2025 15:34
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Apr 30 02:34:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um

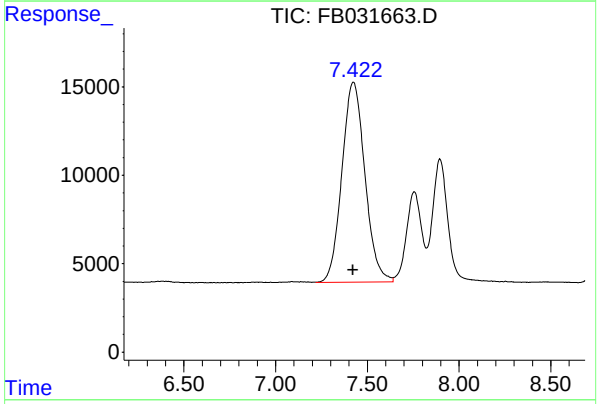




#1 2-Methylpentane

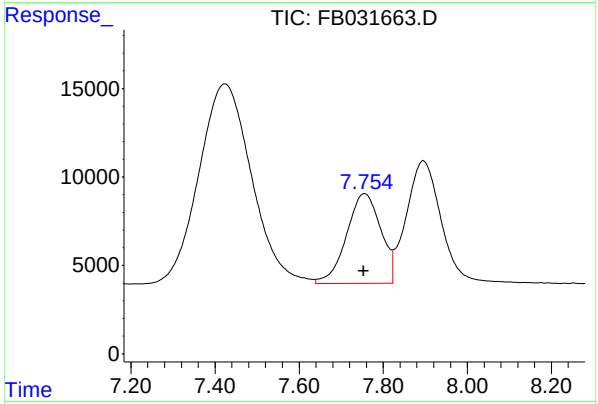
R.T.: 4.725 min
Delta R.T.: 0.002 min
Response: 597978
Conc: 26.91 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



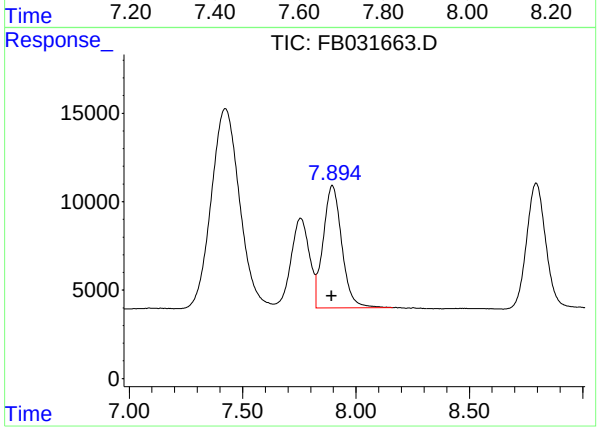
#2 2,2,4-Trimethylpentane

R.T.: 7.424 min
Delta R.T.: 0.003 min
Response: 984719
Conc: 28.83 ng/ml



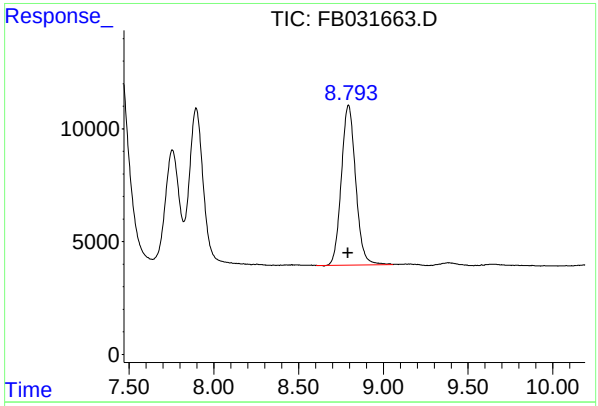
#3 n-Heptane

R.T.: 7.756 min
Delta R.T.: 0.002 min
Response: 287799
Conc: 9.36 ng/ml



#4 Benzene

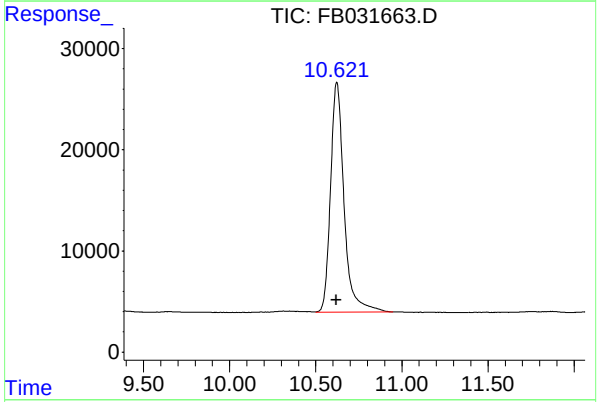
R.T.: 7.896 min
Delta R.T.: 0.002 min
Response: 397190
Conc: 9.71 ng/ml



#5 AAA-TFT

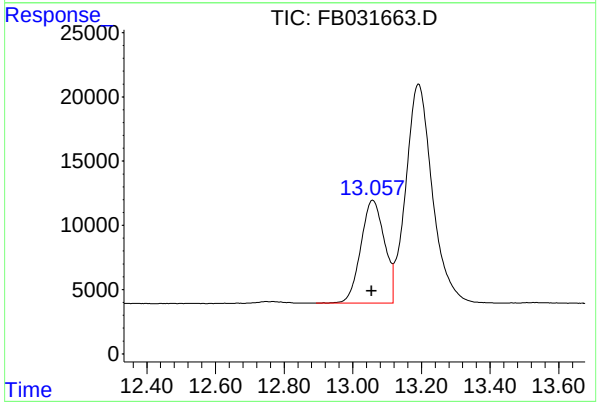
R.T.: 8.795 min
Delta R.T.: 0.003 min
Response: 415655
Conc: 18.12 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



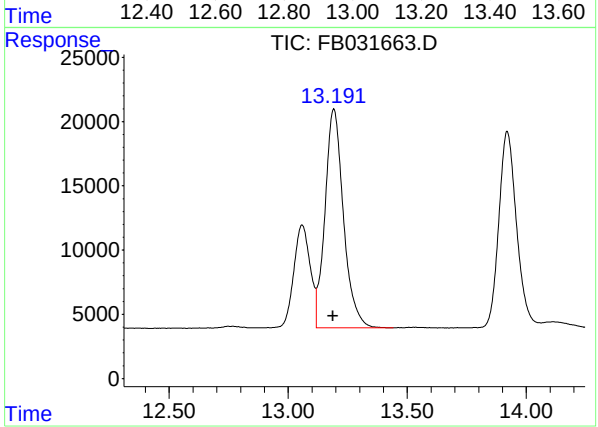
#6 Toluene

R.T.: 10.622 min
Delta R.T.: 0.003 min
Response: 1240111
Conc: 31.13 ng/ml



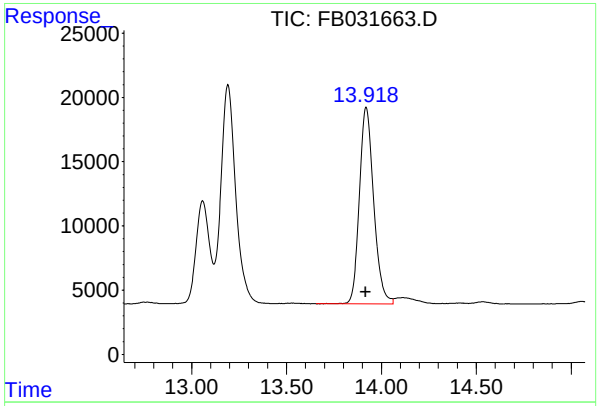
#7 Ethylbenzene

R.T.: 13.058 min
Delta R.T.: 0.003 min
Response: 384316
Conc: 10.75 ng/ml



#8 m-Xylene

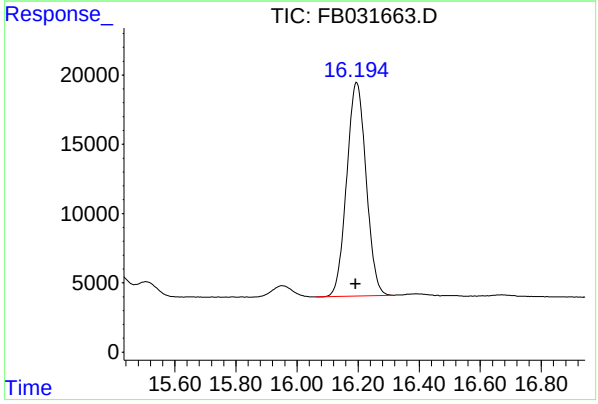
R.T.: 13.192 min
Delta R.T.: 0.003 min
Response: 920200
Conc: 23.55 ng/ml



#9 O-Xylene

R.T.: 13.920 min
Delta R.T.: 0.003 min
Response: 795304
Conc: 21.59 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



#10 1,2,4-Trimethylbenzene

R.T.: 16.196 min
Delta R.T.: 0.003 min
Response: 681442
Conc: 25.26 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB042925\
Data File : FB031663.D
Signal(s) : FID2B.CH
Acq On : 29 Apr 2025 15:34
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.725	4.587	4.880	BV	8321	597978	48.22%	8.919%
2	7.424	7.220	7.639	BV	11305	984719	79.41%	14.687%
3	7.756	7.639	7.823	VV	5087	287799	23.21%	4.292%
4	7.896	7.823	8.162	VV	6936	397190	32.03%	5.924%
5	8.795	8.604	9.057	BV	7096	415655	33.52%	6.199%
6	10.622	10.502	10.949	VV	22730	1240111	100.00%	18.496%
7	13.058	12.893	13.118	BV	8010	384316	30.99%	5.732%
8	13.192	13.118	13.441	VV	17060	920200	74.20%	13.725%
9	13.920	13.655	14.061	BV	15306	795304	64.13%	11.862%
10	16.196	16.063	16.315	PV	15434	681442	54.95%	10.164%

Sum of corrected areas: 6704715

FB042325.M Wed Apr 30 03:42:36 2025

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

Analytical Sequence

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q1872

Project: NJ Soil PT **Instrument ID:** FID_B

GC Column: RTX-502.2 **ID:** 0.53 **(mm)**

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

MEAN SUROGATE RT FROM INITIAL CALIBRATION **8.7924**

EPA SAMPLE NO.	LAB SAMPLE ID	DATE AND TIME ANALYZED	DATAFILE	RT	#
20 PPB GRO STD	20 PPB GRO STD	29 Apr 2025 8:43	FB031653.D	8.791	
VBF0429S2	VBF0429S2	29 Apr 2025 9:52	FB031655.D	8.794	
BSF0429S1	BSF0429S1	29 Apr 2025 10:19	FB031656.D	8.794	
HW0425-PT-GAS-SOIL	Q1872-15	29 Apr 2025 14:10	FB031661.D	8.805	
BSF0429S2	BSF0429S2	29 Apr 2025 15:06	FB031662.D	8.795	
20 PPB GRO STD	20 PPB GRO STD	29 Apr 2025 15:34	FB031663.D	8.795	

 # Column used to flag RT values with an * values outside of QC limits

QC Limits	Lower Limit	Upper Limits
(± 0.10 minutes)	8.6924	8.8924

QC SAMPLE DATA

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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ Soil PT	Date Received:	
Client Sample ID:	VBF0429S2	SDG No.:	Q1872
Lab Sample ID:	VBF0429S2	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	100 Decanted:
Sample Wt/Vol:	5 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031655.D	50	04/29/25 9:52	FB042925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	413	U	413	2250	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	18.2		50 - 150	91%	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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB042925\
Data File : FB031655.D
Signal(s) : FID2B.CH
Acq On : 29 Apr 2025 9:52
Operator : YP/AJ
Sample : VBF0429S2 50X
Misc : 5.00G/5.00 ML MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0429S2

Integration File: Calibration.e
Quant Time: Apr 30 02:32:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um

	Compound	R.T.	Response	Conc Units
System Monitoring Compounds				
5) s	AAA-TFT	8.794	418197	18.236 ng/ml
Target Compounds				

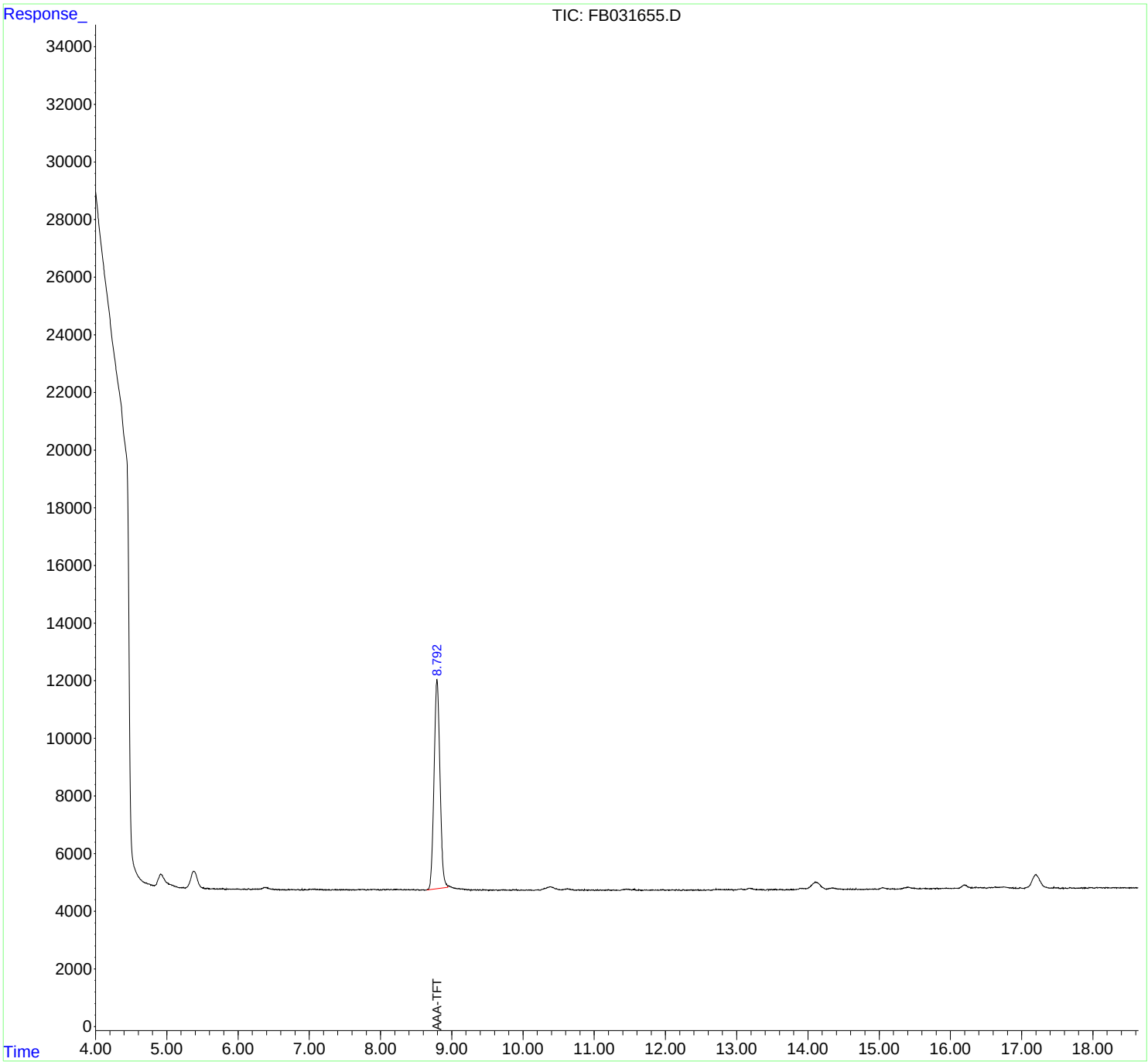
(f)=RT Delta > 1/2 Window (m)=manual int.

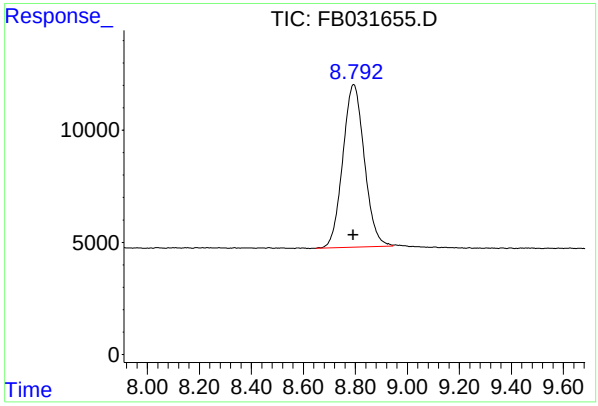
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB042925\
Data File : FB031655.D
Signal(s) : FID2B.CH
Acq On : 29 Apr 2025 9:52
Operator : YP/AJ
Sample : VBF0429S2 50X
Misc : 5.00G/5.00 ML MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0429S2

Integration File: Calibration.e
Quant Time: Apr 30 02:32:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um





#5 AAA-TFT

R.T.: 8.794 min
Delta R.T.: 0.002 mi
Response: 418197
Conc: 18.24 ng/m

Instrument :
FID_B
ClientSampleId :
VBF0429S2

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB042925\
Data File : FB031655.D
Signal(s) : FID2B.CH
Acq On : 29 Apr 2025 9:52
Sample : VBF0429S2 50X
Misc : 5.00G/5.00 ML MEOH
ALS Vial : 3 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	8.794	8.648	8.944	BV	7262	418197	100.00%	100.000%
			Sum of corrected areas:			418197		

FB042325.M Wed Apr 30 03:41:01 2025

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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ Soil PT	Date Received:	
Client Sample ID:	BSF0429S1	SDG No.:	Q1872
Lab Sample ID:	BSF0429S1	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	100 Decanted:
Sample Wt/Vol:	5 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031656.D	1	04/29/25 10:19	FB042925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	174		8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	18.6		50 - 150	93%	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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB042925\
Data File : FB031656.D
Signal(s) : FID2B.CH
Acq On : 29 Apr 2025 10:19
Operator : YP/AJ
Sample : BSF0429S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0429S1

Integration File: Calibration.e
Quant Time: Apr 30 02:33:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
5) s	AAA-TFT	8.794	425954	18.574	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.726	614566	27.657	ng/ml
2) t	2,2,4-Trimethylpentane	7.424	979564	28.677	ng/ml
3) t	n-Heptane	7.757	284925	9.263	ng/ml
4) t	Benzene	7.896	386594	9.454	ng/ml
6) t	Toluene	10.622	1155235	28.996	ng/ml
7) t	Ethylbenzene	13.058	351295	9.831	ng/ml
8) t	m-Xylene	13.192	767769	19.650	ng/ml
9) t	O-Xylene	13.919	722863	19.620	ng/ml
10) t	1,2,4-Trimethylbenzene	16.195	540601	20.041	ng/ml

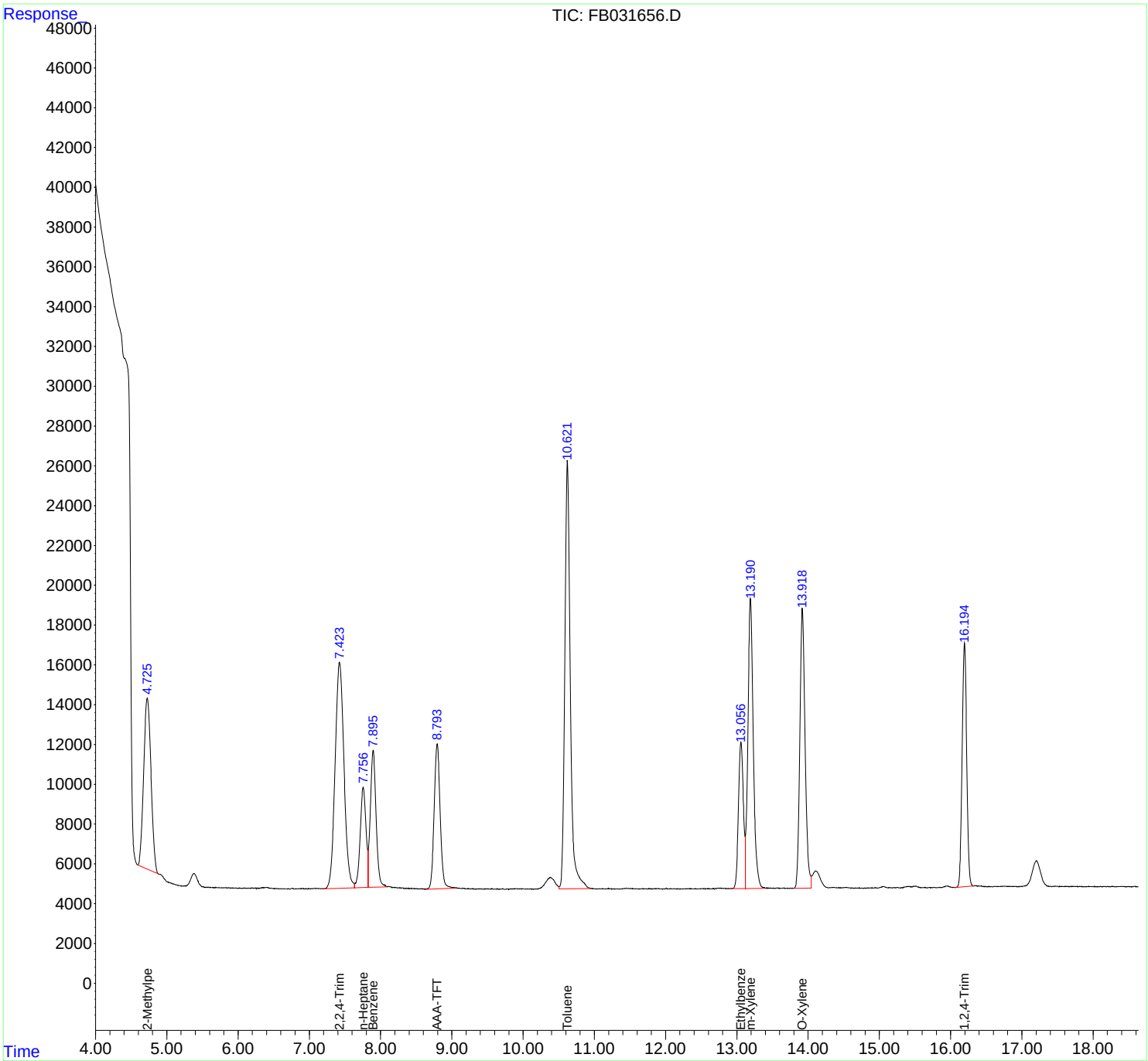
(f)=RT Delta > 1/2 Window (m)=manual int.

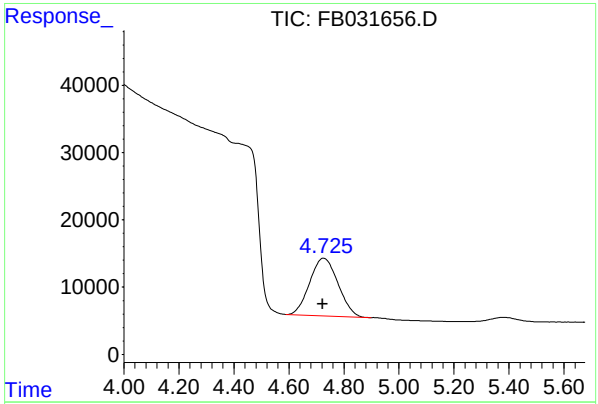
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB042925\
Data File : FB031656.D
Signal(s) : FID2B.CH
Acq On : 29 Apr 2025 10:19
Operator : YP/AJ
Sample : BSF0429S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0429S1

Integration File: Calibration.e
Quant Time: Apr 30 02:33:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um

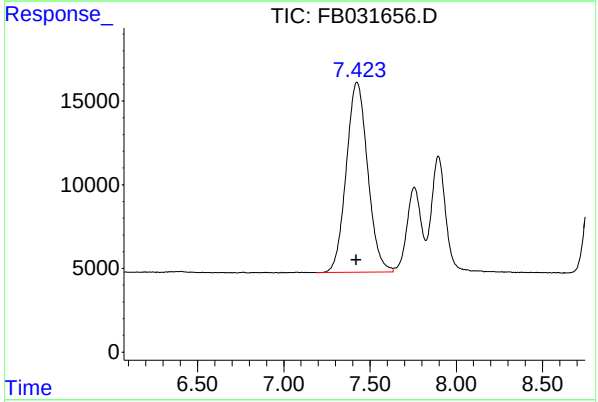




#1 2-Methylpentane

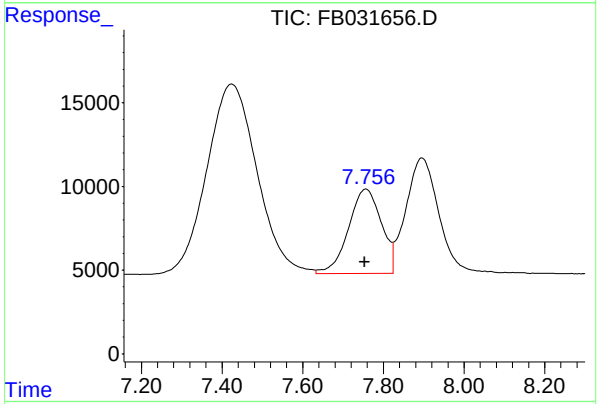
R.T.: 4.726 min
Delta R.T.: 0.003 min
Response: 614566
Conc: 27.66 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0429S1



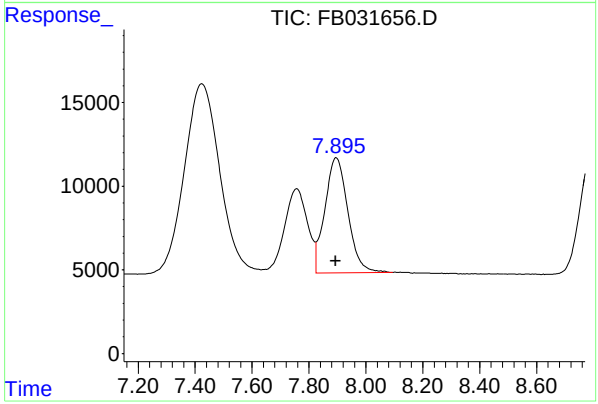
#2 2,2,4-Trimethylpentane

R.T.: 7.424 min
Delta R.T.: 0.003 min
Response: 979564
Conc: 28.68 ng/ml



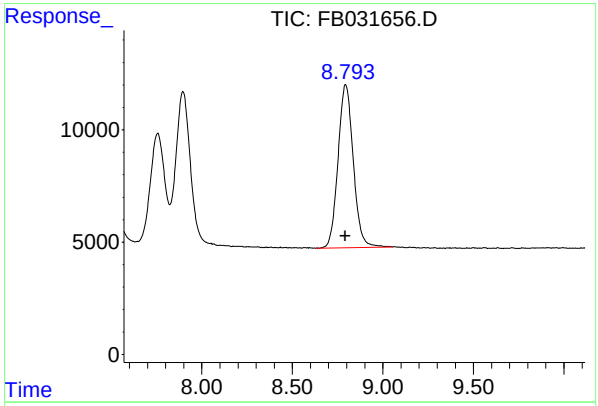
#3 n-Heptane

R.T.: 7.757 min
Delta R.T.: 0.004 min
Response: 284925
Conc: 9.26 ng/ml



#4 Benzene

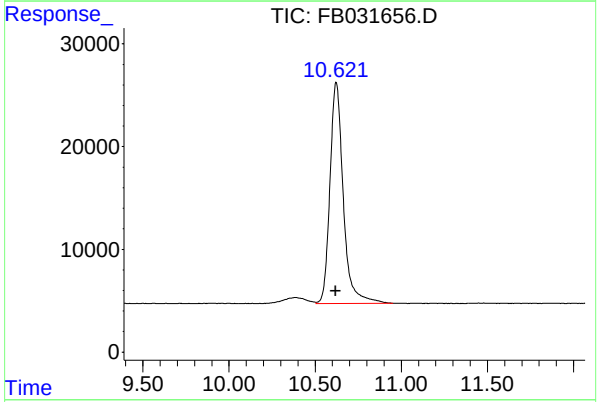
R.T.: 7.896 min
Delta R.T.: 0.003 min
Response: 386594
Conc: 9.45 ng/ml



#5 AAA-TFT

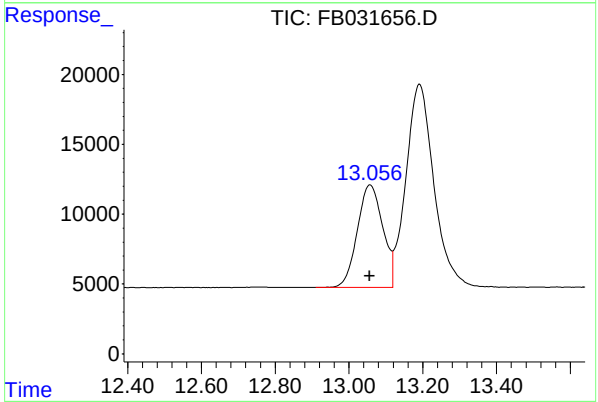
R.T.: 8.794 min
Delta R.T.: 0.002 min
Response: 425954
Conc: 18.57 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0429S1



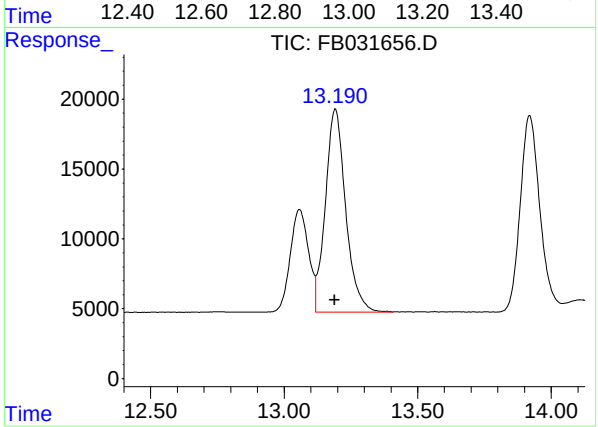
#6 Toluene

R.T.: 10.622 min
Delta R.T.: 0.002 min
Response: 1155235
Conc: 29.00 ng/ml



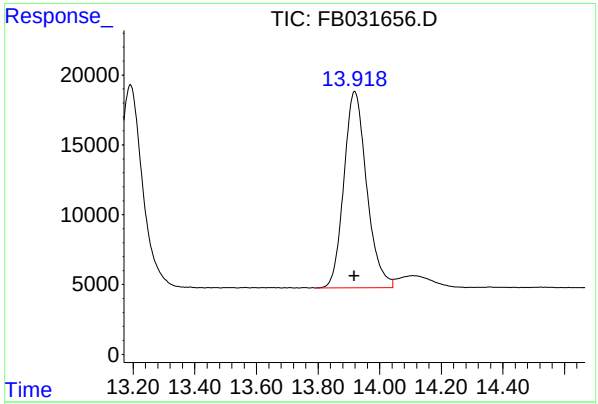
#7 Ethylbenzene

R.T.: 13.058 min
Delta R.T.: 0.002 min
Response: 351295
Conc: 9.83 ng/ml



#8 m-Xylene

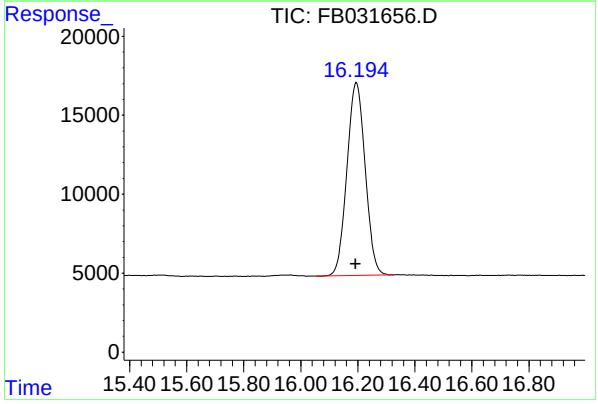
R.T.: 13.192 min
Delta R.T.: 0.003 min
Response: 767769
Conc: 19.65 ng/ml



#9 O-Xylene

R.T.: 13.919 min
Delta R.T.: 0.002 min
Response: 722863
Conc: 19.62 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0429S1



#10 1,2,4-Trimethylbenzene

R.T.: 16.195 min
Delta R.T.: 0.002 min
Response: 540601
Conc: 20.04 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB042925\
Data File : FB031656.D
Signal(s) : FID2B.CH
Acq On : 29 Apr 2025 10:19
Sample : BSF0429S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.726	4.587	4.899	BV	8594	614566	53.20%	9.866%
2	7.424	7.187	7.633	BV	11354	979564	84.79%	15.725%
3	7.757	7.633	7.824	VV	5040	284925	24.66%	4.574%
4	7.896	7.824	8.095	VV	6879	386594	33.46%	6.206%
5	8.794	8.630	9.055	PV	7275	425954	36.87%	6.838%
6	10.622	10.505	10.952	VV	21519	1155235	100.00%	18.545%
7	13.058	12.909	13.118	BV	7355	351295	30.41%	5.639%
8	13.192	13.118	13.407	VV	14555	767769	66.46%	12.325%
9	13.919	13.792	14.042	PV	14075	722863	62.57%	11.604%
10	16.195	16.055	16.325	BV	12228	540601	46.80%	8.678%

Sum of corrected areas: 6229366

FB042325.M Wed Apr 30 03:41:15 2025

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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ Soil PT	Date Received:	
Client Sample ID:	BSF0429S2	SDG No.:	Q1872
Lab Sample ID:	BSF0429S2	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	100 Decanted:
Sample Wt/Vol:	5 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031662.D	1	04/29/25 15:06	FB042925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	189		8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	18.0		50 - 150	90%	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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB042925\
Data File : FB031662.D
Signal(s) : FID2B.CH
Acq On : 29 Apr 2025 15:06
Operator : YP/AJ
Sample : BSF0429S2
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0429S2

Integration File: Calibration.e
Quant Time: Apr 30 02:33:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
5) s	AAA-TFT	8.795	413420	18.027	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.725	557747	25.100	ng/ml
2) t	2,2,4-Trimethylpentane	7.425	954042	27.930	ng/ml
3) t	n-Heptane	7.757	283360	9.213	ng/ml
4) t	Benzene	7.897	396227	9.690	ng/ml
6) t	Toluene	10.623	1257470	31.562	ng/ml
7) t	Ethylbenzene	13.059	393626	11.015	ng/ml
8) t	m-Xylene	13.192	957337	24.502	ng/ml
9) t	O-Xylene	13.921	806505	21.890	ng/ml
10) t	1,2,4-Trimethylbenzene	16.197	729252	27.035	ng/ml

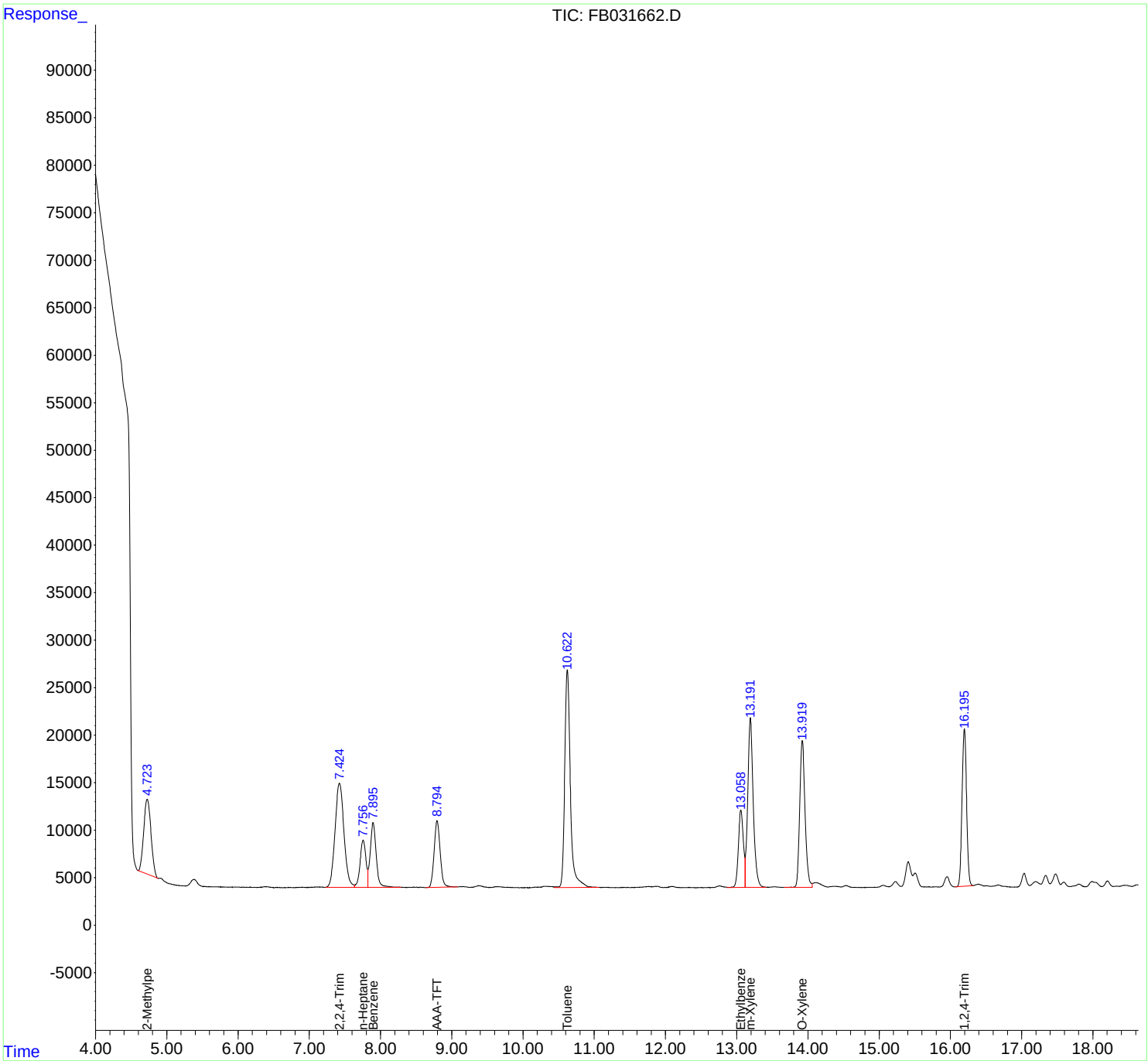
(f)=RT Delta > 1/2 Window (m)=manual int.

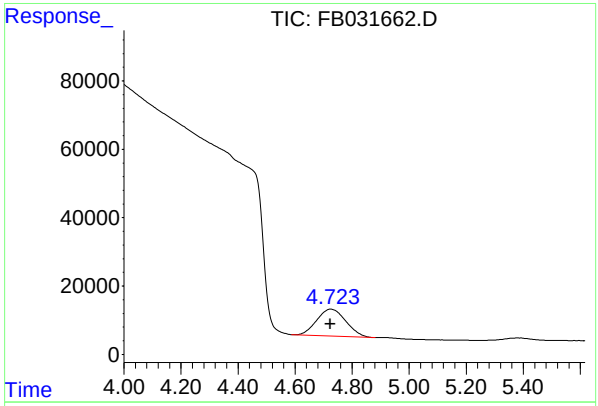
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB042925\
Data File : FB031662.D
Signal(s) : FID2B.CH
Acq On : 29 Apr 2025 15:06
Operator : YP/AJ
Sample : BSF0429S2
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0429S2

Integration File: Calibration.e
Quant Time: Apr 30 02:33:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um

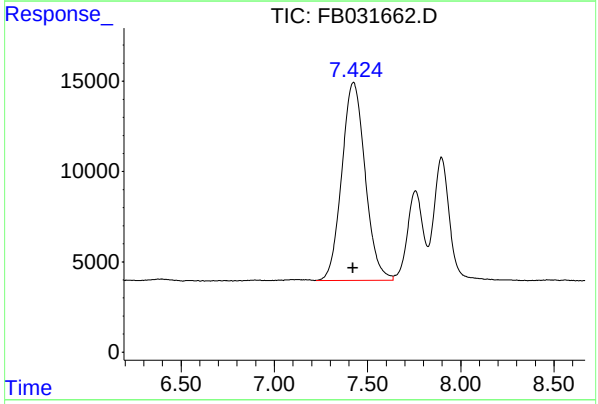




#1 2-Methylpentane

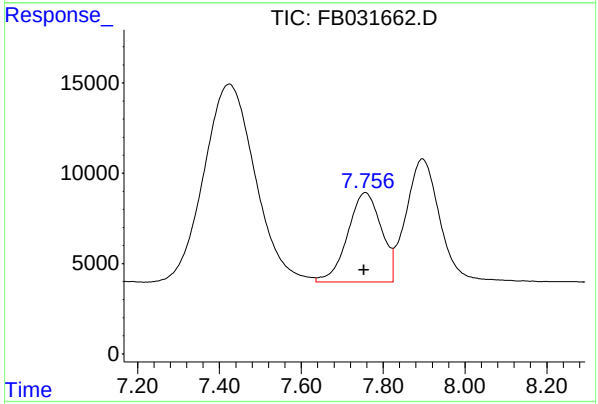
R.T.: 4.725 min
Delta R.T.: 0.002 min
Response: 557747
Conc: 25.10 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0429S2



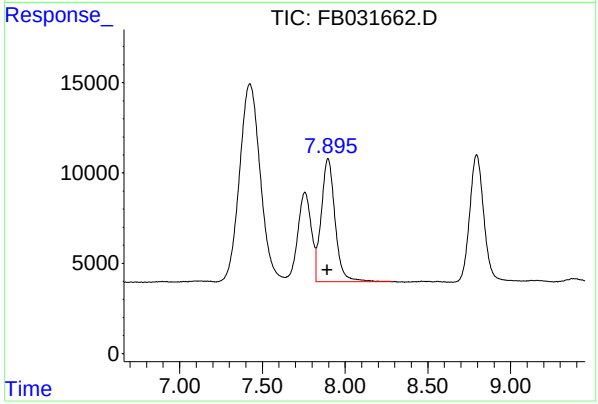
#2 2,2,4-Trimethylpentane

R.T.: 7.425 min
Delta R.T.: 0.004 min
Response: 954042
Conc: 27.93 ng/ml



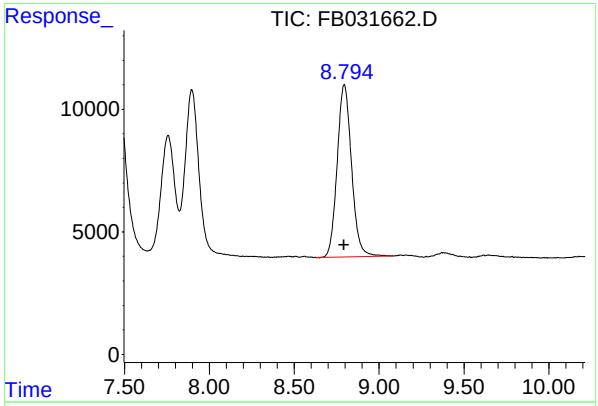
#3 n-Heptane

R.T.: 7.757 min
Delta R.T.: 0.004 min
Response: 283360
Conc: 9.21 ng/ml



#4 Benzene

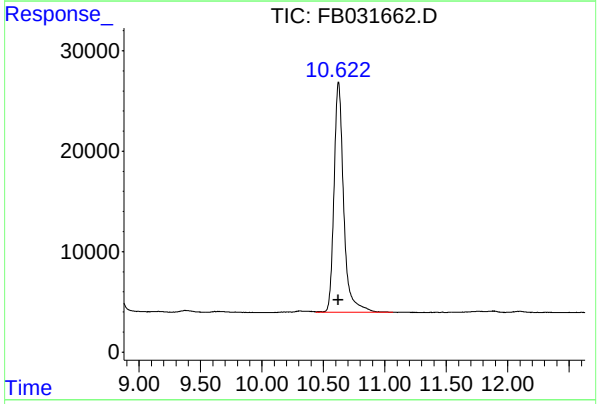
R.T.: 7.897 min
Delta R.T.: 0.003 min
Response: 396227
Conc: 9.69 ng/ml



#5 AAA-TFT

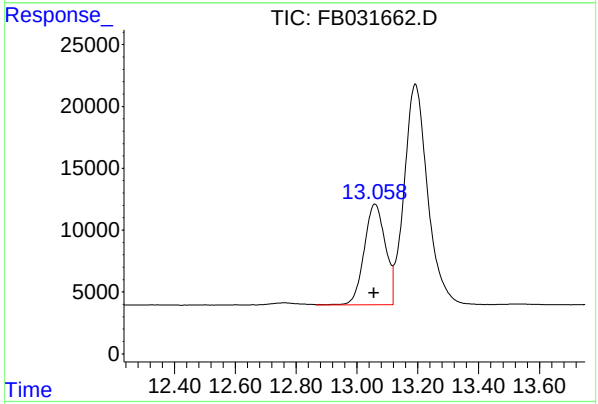
R.T.: 8.795 min
Delta R.T.: 0.003 min
Response: 413420
Conc: 18.03 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0429S2



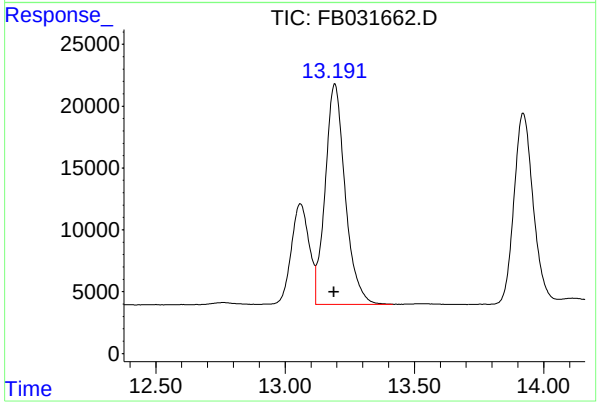
#6 Toluene

R.T.: 10.623 min
Delta R.T.: 0.003 min
Response: 1257470
Conc: 31.56 ng/ml



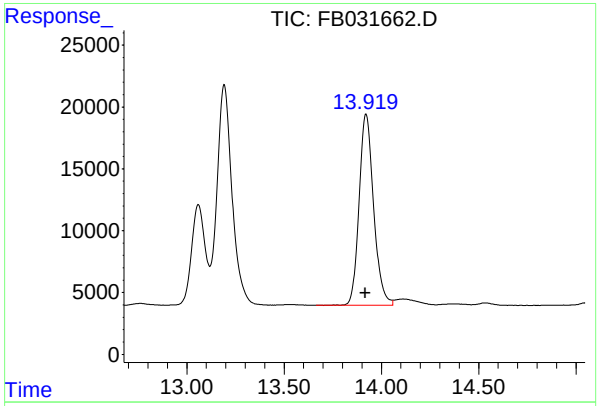
#7 Ethylbenzene

R.T.: 13.059 min
Delta R.T.: 0.004 min
Response: 393626
Conc: 11.02 ng/ml



#8 m-Xylene

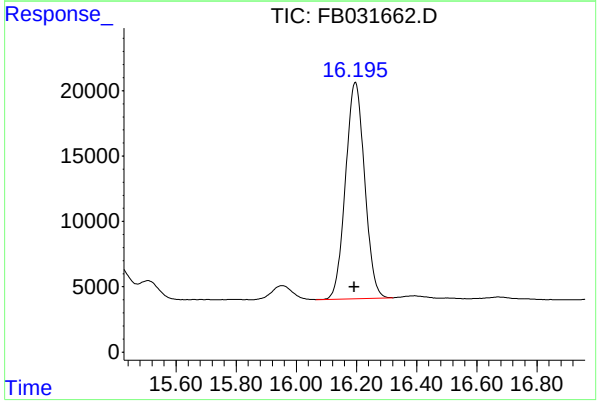
R.T.: 13.192 min
Delta R.T.: 0.003 min
Response: 957337
Conc: 24.50 ng/ml



#9 O-Xylene

R.T.: 13.921 min
Delta R.T.: 0.004 min
Response: 806505
Conc: 21.89 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0429S2



#10 1,2,4-Trimethylbenzene

R.T.: 16.197 min
Delta R.T.: 0.004 min
Response: 729252
Conc: 27.03 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB042925\
Data File : FB031662.D
Signal(s) : FID2B.CH
Acq On : 29 Apr 2025 15:06
Sample : BSF0429S2
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 11 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.725	4.587	4.882	BV	7883	557747	44.35%	8.264%
2	7.425	7.223	7.636	BV	10975	954042	75.87%	14.136%
3	7.757	7.636	7.824	VV	4961	283360	22.53%	4.199%
4	7.897	7.824	8.289	VV	6829	396227	31.51%	5.871%
5	8.795	8.629	9.082	BV	7035	413420	32.88%	6.126%
6	10.623	10.441	11.067	VV	22932	1257470	100.00%	18.632%
7	13.059	12.865	13.118	VV	8150	393626	31.30%	5.832%
8	13.192	13.118	13.416	VV	17851	957337	76.13%	14.185%
9	13.921	13.664	14.059	BV	15466	806505	64.14%	11.950%
10	16.197	16.066	16.322	PV	16566	729252	57.99%	10.805%

Sum of corrected areas: 6748988

FB042325.M Wed Apr 30 03:42:16 2025

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

Manual Integration Report

Sample ID	ClientId ID	File ID	Sequence ID	Parameter	Supervised By	Supervised On	Reason
50 GRO STD		FB031641.D	FB042325	2-Methylpentane	mohammad	4/26/2025 2:19:22 AM	Peak Integrated by Software incorrectly
100 GRO STD		FB031642.D	FB042325	2-Methylpentane	mohammad	4/26/2025 2:19:22 AM	Peak Integrated by Software incorrectly
FB042325GROICV		FB031643.D	FB042325	2-Methylpentane	mohammad	4/26/2025 2:19:22 AM	Peak Integrated by Software incorrectly

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

Manual Integration Report

Sample ID	ClientId ID	File ID	Sequence ID	Parameter	Supervised By	Supervised On	Reason
Q1872-15		FB031657.D	FB042925	2,2,4-Trimethylpentane	mohammad	5/2/2025 3:01:29 AM	Peak Integrated by Software incorrectly
Q1872-15		FB031657.D	FB042925	2-Methylpentane	mohammad	5/2/2025 3:01:29 AM	Peak Integrated by Software incorrectly
Q1872-15		FB031657.D	FB042925	AAA-TFT	mohammad	5/2/2025 3:01:29 AM	Peak Integrated by Software incorrectly
Q1872-15		FB031657.D	FB042925	Benzene	mohammad	5/2/2025 3:01:29 AM	Peak Integrated by Software incorrectly
Q1872-15		FB031657.D	FB042925	Ethylbenzene	mohammad	5/2/2025 3:01:29 AM	Peak Integrated by Software incorrectly
Q1872-15		FB031657.D	FB042925	m-Xylene	mohammad	5/2/2025 3:01:29 AM	Peak Integrated by Software incorrectly
Q1872-15		FB031657.D	FB042925	n-Heptane	mohammad	5/2/2025 3:01:29 AM	Peak Integrated by Software incorrectly
Q1872-15		FB031657.D	FB042925	Toluene	mohammad	5/2/2025 3:01:29 AM	Peak Integrated by Software incorrectly
20 PPB GRO STD		FB031666.D	FB042925	2-Methylpentane	mohammad	5/2/2025 3:01:33 AM	Peak Integrated by Software incorrectly

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

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QCBatch ID # FB042325

Review By	yogesh	Review On	4/23/2025 1:56:12 PM		
Supervise By	mohammad	Supervise On	4/26/2025 2:19:22 AM		
SubDirectory	FB042325	HP Acquire Method		HP Processing Method	FB042325

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24485,PP24486,PP24487,PP24488,PP24489
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24111,PP24490
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	5 GRO STD	FB031638.D	23 Apr 2025 12:11	YP/AJ	Ok
2	10 GRO STD	FB031639.D	23 Apr 2025 12:38	YP/AJ	Ok
3	20 GRO STD	FB031640.D	23 Apr 2025 13:05	YP/AJ	Ok
4	50 GRO STD	FB031641.D	23 Apr 2025 13:32	YP/AJ	Ok,M
5	100 GRO STD	FB031642.D	23 Apr 2025 14:00	YP/AJ	Ok,M
6	FB042325GROICV	FB031643.D	23 Apr 2025 14:39	YP/AJ	Ok,M

M : Manual Integration

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

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QCBatch ID # FB042925

Review By	yogesh	Review On	4/29/2025 2:40:54 PM		
Supervise By	mohammad	Supervise On	5/2/2025 3:01:59 AM		
SubDirectory	FB042925	HP Acquire Method		HP Processing Method	FB042325

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24485,PP24486,PP24487,PP24488,PP24489
CCC	PP24494,PP24495,PP24496
Internal Standard/PEM	
ICV/I.BLK	PP24111,PP24490
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	20 PPB GRO STD	FB031653.D	29 Apr 2025 8:43	YP/AJ	Ok
2	VBF0429S1	FB031654.D	29 Apr 2025 9:24	YP/AJ	Ok
3	VBF0429S2	FB031655.D	29 Apr 2025 9:52	YP/AJ	Ok
4	BSF0429S1	FB031656.D	29 Apr 2025 10:19	YP/AJ	Ok
5	Q1872-15	FB031657.D	29 Apr 2025 11:02	YP/AJ	Dilution
6	I.BLK	FB031658.D	29 Apr 2025 11:30	YP/AJ	Ok
7	Q1872-15	FB031659.D	29 Apr 2025 11:57	YP/AJ	Dilution
8	Q1872-15	FB031660.D	29 Apr 2025 12:24	YP/AJ	Dilution
9	Q1872-15	FB031661.D	29 Apr 2025 14:10	YP/AJ	Ok
10	BSF0429S2	FB031662.D	29 Apr 2025 15:06	YP/AJ	Ok
11	20 PPB GRO STD	FB031663.D	29 Apr 2025 15:34	YP/AJ	Ok
12	Q1907-01	FB031664.D	29 Apr 2025 16:14	YP/AJ	Ok
13	BSF0429S3	FB031665.D	29 Apr 2025 16:53	YP/AJ	Ok
14	20 PPB GRO STD	FB031666.D	29 Apr 2025 17:21	YP/AJ	Ok,M

M : Manual Integration

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

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QCBatch ID # FB042325

Review By	yogesh	Review On	4/23/2025 1:56:12 PM		
Supervise By	mohammad	Supervise On	4/26/2025 2:19:22 AM		
SubDirectory	FB042325	HP Acquire Method		HP Processing Method	FB042325

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24485,PP24486,PP24487,PP24488,PP24489
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24111,PP24490
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	5 GRO STD		FB031638.D	23 Apr 2025 12:11		YP/AJ	Ok
2	10 GRO STD		FB031639.D	23 Apr 2025 12:38		YP/AJ	Ok
3	20 GRO STD		FB031640.D	23 Apr 2025 13:05		YP/AJ	Ok
4	50 GRO STD		FB031641.D	23 Apr 2025 13:32		YP/AJ	Ok,M
5	100 GRO STD		FB031642.D	23 Apr 2025 14:00		YP/AJ	Ok,M
6	FB042325GROICV		FB031643.D	23 Apr 2025 14:39		YP/AJ	Ok,M

M : Manual Integration

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

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QCBatch ID # FB042925

Review By	yogesh	Review On	4/29/2025 2:40:54 PM		
Supervise By	mohammad	Supervise On	5/2/2025 3:01:59 AM		
SubDirectory	FB042925	HP Acquire Method		HP Processing Method	FB042325

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24485,PP24486,PP24487,PP24488,PP24489
CCC	PP24494,PP24495,PP24496
Internal Standard/PEM	
ICV/I.BLK	PP24111,PP24490
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	20 PPB GRO STD		FB031653.D	29 Apr 2025 8:43		YP/AJ	Ok
2	VBF0429S1		FB031654.D	29 Apr 2025 9:24		YP/AJ	Ok
3	VBF0429S2		FB031655.D	29 Apr 2025 9:52		YP/AJ	Ok
4	BSF0429S1		FB031656.D	29 Apr 2025 10:19		YP/AJ	Ok
5	Q1872-15		FB031657.D	29 Apr 2025 11:02	need dilution	YP/AJ	Dilution
6	I.BLK		FB031658.D	29 Apr 2025 11:30		YP/AJ	Ok
7	Q1872-15		FB031659.D	29 Apr 2025 11:57	need dilution	YP/AJ	Dilution
8	Q1872-15		FB031660.D	29 Apr 2025 12:24	need dilution	YP/AJ	Dilution
9	Q1872-15		FB031661.D	29 Apr 2025 14:10		YP/AJ	Ok
10	BSF0429S2		FB031662.D	29 Apr 2025 15:06		YP/AJ	Ok
11	20 PPB GRO STD		FB031663.D	29 Apr 2025 15:34		YP/AJ	Ok
12	Q1907-01		FB031664.D	29 Apr 2025 16:14	Vial-A	YP/AJ	Ok
13	BSF0429S3		FB031665.D	29 Apr 2025 16:53		YP/AJ	Ok
14	20 PPB GRO STD		FB031666.D	29 Apr 2025 17:21		YP/AJ	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/25/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 04/24/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:25
Out Date: 04/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135545

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
Q1869-01	MH-F	1	1.14	10.43	11.57	10.47	89.5	
Q1869-02	MH-F-EPH	2	1.18	9.96	11.14	10.12	89.8	
Q1869-03	MH-F-VOC	3	1.16	10.28	11.44	10.4	89.9	
Q1871-01	MH-A	4	1.14	9.59	10.73	9.86	90.9	
Q1871-02	MH-A-EPH	5	1.18	9.97	11.15	10.25	91.0	
Q1871-03	MH-A-VOC	6	1.15	10.22	11.37	10.47	91.2	
Q1871-05	MH-B	7	1.18	10.31	11.49	10.58	91.2	
Q1871-06	MH-B-EPH	8	1.16	9.63	10.79	10.05	92.3	
Q1871-07	MH-B-VOC	9	1.18	10.35	11.53	10.75	92.5	
Q1872-01	HW0425-PT-AN-SOIL	31	1.00	1.00	2.00	2.00	100.0	
Q1872-02	HW0425-PT-CORR-SOIL	32	1.00	1.00	2.00	2.00	100.0	
Q1872-03	HW0425-PT-CN-SOIL	33	1.00	1.00	2.00	2.00	100.0	
Q1872-04	HW0425-PT-CN-SOIL	34	1.00	1.00	2.00	2.00	100.0	
Q1872-05	HW0425-PT-FP-SOIL	35	1.00	1.00	2.00	2.00	100.0	
Q1872-06	HW0425-PT-CR6-SOIL	36	1.00	1.00	2.00	2.00	100.0	
Q1872-07	HW0425-PT-NUT-SOIL	37	1.00	1.00	2.00	2.00	100.0	
Q1872-08	HW0425-PT-NUT-SOIL	38	1.00	1.00	2.00	2.00	100.0	
Q1872-09	HW0425-PT-OGR-SOIL	39	1.00	1.00	2.00	2.00	100.0	
Q1872-10	HW0425-PT-MET-SOIL	40	1.00	1.00	2.00	2.00	100.0	
Q1872-11	HW0425-PT-BNA-SOIL	41	1.00	1.00	2.00	2.00	100.0	
Q1872-12	HW0425-PT-TRIAZINE-SOIL	42	1.00	1.00	2.00	2.00	100.0	
Q1872-13	HW0425-PT-PAH-SOIL	43	1.00	1.00	2.00	2.00	100.0	
Q1872-14	HW0425-PT-DIES-SOIL	44	1.00	1.00	2.00	2.00	100.0	
Q1872-15	HW0425-PT-GAS-SOIL	45	1.00	1.00	2.00	2.00	100.0	
Q1872-16	HW0425-PT-NJEPH-SOIL	46	1.00	1.00	2.00	2.00	100.0	
Q1872-17	HW0425-PT-HERB-SOIL	47	1.00	1.00	2.00	2.00	100.0	
Q1872-18	HW0425-PT-PCB-SOIL	48	1.00	1.00	2.00	2.00	100.0	
Q1872-19	HW0425-PT-PCBO-SOIL	49	1.00	1.00	2.00	2.00	100.0	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/25/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 04/24/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:25
Out Date: 04/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135545

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
Q1872-20	HW0425-PT-PEST-SOIL	50	1.00	1.00	2.00	2.00	100.0	
Q1872-21	HW0425-PT-CHLR-SOIL	51	1.00	1.00	2.00	2.00	100.0	
Q1872-22	HW0425-PT-TXP-SOIL	52	1.00	1.00	2.00	2.00	100.0	
Q1872-23	HW0425-PT-VOA-SOIL	53	1.00	1.00	2.00	2.00	100.0	
Q1872-25	HW0425-PT-NO2-SOIL	54	1.00	1.00	2.00	2.00	100.0	
Q1873-01	CAM-40619	10	1.14	10.70	11.84	4.97	35.8	
Q1873-02	CAM-40620	11	1.15	10.42	11.57	6.19	48.4	
Q1873-03	CAM-40619-20	12	1.18	10.21	11.39	4.77	35.2	
Q1874-01	VNJ-236	13	1.19	10.45	11.64	10.89	92.8	
Q1874-03	RT1491	14	1.19	11.16	12.35	11.43	91.8	
Q1874-05	HT3727	15	1.16	10.63	11.79	11.06	93.1	
Q1875-01	AUD-25-0053	16	1.14	10.75	11.89	11.19	93.5	
Q1875-03	AUD-25-0054	17	1.14	10.02	11.16	10.52	93.6	
Q1875-04	AUD-25-0024	18	1.14	10.03	11.17	10.77	96.0	
Q1876-01	AUD-25-0058	19	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1876-02	AUD-25-0059	20	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1876-03	AUD-25-0060	21	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1876-04	AUD-25-0061	22	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1876-05	AUD-25-0062	23	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1876-06	AUD-25-0063	24	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1876-07	AUD-25-0064	25	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1876-08	AUD-25-0065	26	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1876-09	AUD-25-0066	27	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1877-01	AU-6-042425	55	1.14	10.25	11.39	10.72	93.5	
Q1877-02	AU-6-042425	28	1.14	10.21	11.35	10.54	92.1	
Q1878-01	TR-4-042425	29	1.14	10.17	11.31	11.2	98.9	
Q1878-02	TR-4-042425-E2	30	1.19	10.28	11.47	10.92	94.6	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/25/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 04/24/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:25
Out Date: 04/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135545

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

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

WORKLIST(Hardcopy Internal Chain)

LB 135545

WorkList Name : %1-042425 **WorkList ID :** 189122 **Department :** Wet-Chemistry **Date :** 04-24-2025 08:52:24

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1869-01	MH-F	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1869-02	MH-F-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1869-03	MH-F-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1871-01	MH-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1871-02	MH-A-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1871-03	MH-A-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1871-05	MH-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1871-06	MH-B-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1871-07	MH-B-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1872-01	HW0425-PT-AN-SOIL	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1872-02	HW0425-PT-CORR-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-03	HW0425-PT-CN-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-04	HW0425-PT-CN-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-05	HW0425-PT-FP-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-06	HW0425-PT-CR6-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-07	HW0425-PT-NUT-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-08	HW0425-PT-NUT-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-09	HW0425-PT-OGR-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-10	HW0425-PT-MET-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-11	HW0425-PT-BNA-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-12	HW0425-PT-TRIAZINE-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO

Date/Time 04/24/25 1530

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

Date/Time 04/24/25 1725

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

WORKLIST(Hardcopy Internal Chain)

135545

WorkList Name : %1-042425 **WorkList ID :** 189122 **Department :** Wet-Chemistry **Date :** 04-24-2025 08:52:24

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1872-13	HW0425-PT-PAH-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-14	HW0425-PT-DIES-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-15	HW0425-PT-GAS-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-16	HW0425-PT-NJEPH-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-17	HW0425-PT-HERB-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-18	HW0425-PT-PCB-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-19	HW0425-PT-PCBO-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-20	HW0425-PT-PEST-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-21	HW0425-PT-CHLR-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-22	HW0425-PT-TXP-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-23	HW0425-PT-VOA-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-25	HW0425-PT-NO2-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1873-01	CAM-40619	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1873-02	CAM-40620	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1873-03	CAM-40619-20	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1874-01	VNJ-236	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/24/2025	Chemtech -SO
Q1874-03	RT1491	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/24/2025	Chemtech -SO
Q1874-05	HT3727	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/24/2025	Chemtech -SO
Q1875-01	AUD-25-0053	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1875-03	AUD-25-0054	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1875-04	AUD-25-0024	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO

Date/Time 04/24/25 15:30

Raw Sample Received by: JD WDC

Raw Sample Relinquished by: SH

Date/Time 04/24/25 17:25

Raw Sample Received by: SH

Raw Sample Relinquished by: JD WDC

WORKLIST(Hardcopy Internal Chain)

135545

WorkList Name : %1-042425 **WorkList ID :** 189122 **Department :** Wet-Chemistry **Date :** 04-24-2025 08:52:24

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1876-01	AUD-25-0058	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/24/2025	Chemtech -SO
Q1876-02	AUD-25-0059	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/24/2025	Chemtech -SO
Q1876-03	AUD-25-0060	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/24/2025	Chemtech -SO
Q1876-04	AUD-25-0061	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/24/2025	Chemtech -SO
Q1876-05	AUD-25-0062	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/24/2025	Chemtech -SO
Q1876-06	AUD-25-0063	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/24/2025	Chemtech -SO
Q1876-07	AUD-25-0064	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/24/2025	Chemtech -SO
Q1876-08	AUD-25-0065	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/24/2025	Chemtech -SO
Q1876-09	AUD-25-0066	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/24/2025	Chemtech -SO
Q1877-01	AU-6-042425	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/24/2025	Chemtech -SO
Q1877-02	AU-6-042425	Solid	Percent Solids	Cool 4 deg C	PSEG05	L41	04/24/2025	Chemtech -SO
Q1878-01	TR-4-042425	Solid	Percent Solids	Cool 4 deg C	PSEG05	L41	04/24/2025	Chemtech -SO
Q1878-02	TR-4-042425-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	L41	04/24/2025	Chemtech -SO

Date/Time 04/24/25 15:30

Raw Sample Received by:

Raw Sample Relinquished by: SM

Date/Time 04/24/25 17:25

Raw Sample Received by: SM

Raw Sample Relinquished by:

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/29/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 04/28/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:37
Out Date: 04/29/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135575

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
Q1872-24	HW0425-PT-SOL-SOIL	8	0.92	10.30	11.22	8.82	76.7	
Q1901-01	B-170-SB00	1	1.14	5.55	6.69	6.28	92.6	
Q1901-02	B-167-SB01	2	1.14	10.22	11.36	9.58	82.6	
Q1901-03	B-170-SB01	3	1.19	10.31	11.5	9.75	83.0	
Q1901-04	B-167-SB02	4	1.15	9.78	10.93	6.35	53.2	
Q1901-05	B-170-SB02	5	1.14	10.16	11.3	8.77	75.1	
Q1902-01	343	6	1.19	10.23	11.42	10.7	93.0	
Q1902-02	343	7	1.13	10.19	11.32	10.33	90.3	
Q1903-01	COMP-4	9	1.18	11.14	12.32	10.46	83.3	
Q1903-02	COMP-5	10	1.16	10.50	11.66	9.44	78.9	
Q1903-03	COMP-6	11	1.17	10.60	11.77	10.06	83.9	
Q1904-01	VNJ-210	12	1.19	10.39	11.58	10.6	90.6	
Q1905-01	MH-G	13	1.15	10.35	11.5	10.38	89.2	
Q1905-02	MH-G-EPH	14	1.16	9.65	10.81	9.71	88.6	
Q1905-03	MH-G-VOC	15	1.16	10.33	11.49	10.36	89.1	
Q1905-05	MH-H	16	1.12	10.03	11.15	10.5	93.5	
Q1905-06	MH-H-EPH	17	1.13	10.30	11.43	10.5	91.0	
Q1905-07	MH-H-VOC	18	1.12	10.03	11.15	10.01	88.6	
Q1906-01	WC-4	19	1.15	9.85	11.00	10.14	91.3	
Q1906-02	WC-4-EPH	20	1.16	9.97	11.13	10.17	90.4	
Q1906-03	WC-4-VOC	21	1.18	9.99	11.17	9.91	87.4	
Q1906-05	WC-5	22	1.16	10.82	11.98	10.19	83.5	
Q1906-06	WC-5-EPH	23	1.13	10.41	11.54	9.94	84.6	
Q1906-07	WC-5-VOC	24	1.18	10.47	11.65	11.63	99.8	
Q1906-09	WC-6	25	1.14	10.04	11.18	10.4	92.2	
Q1906-10	WC-6-EPH	26	1.15	10.77	11.92	10.23	84.3	
Q1906-11	WC-6-VOC	27	1.14	10.47	11.61	10.86	92.8	
Q1906-13	WC-7	28	1.14	10.85	11.99	10.31	84.5	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/29/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 04/28/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:37
Out Date: 04/29/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135575

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
Q1906-14	WC-7-EPH	29	1.12	9.86	10.98	9.7	87.0	
Q1906-15	WC-7-VOC	30	1.13	10.27	11.4	10.23	88.6	
Q1907-01	CO-8R-WC	31	1.13	10.26	11.39	9.81	84.6	

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

WORKLIST(Hardcopy Internal Chain)

VB B5575

WorkList Name : %1-042825 **WorkList ID :** 189159 **Department :** Wet-Chemistry **Date :** 04-28-2025 07:59:12

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1872-24	HW0425-PT-SOL-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1903-01	COMP-4	Solid	Percent Solids	Cool 4 deg C	POWE02	L51	04/25/2025	Chemtech -SO
Q1903-02	COMP-5	Solid	Percent Solids	Cool 4 deg C	POWE02	L51	04/25/2025	Chemtech -SO
Q1903-03	COMP-6	Solid	Percent Solids	Cool 4 deg C	POWE02	L51	04/25/2025	Chemtech -SO
Q1901-01	B-170-SB00	Solid	Percent Solids	Cool 4 deg C	PORT06	L51	04/26/2025	Chemtech -SO
Q1901-02	B-167-SB01	Solid	Percent Solids	Cool 4 deg C	PORT06	L51	04/26/2025	Chemtech -SO
Q1901-03	B-170-SB01	Solid	Percent Solids	Cool 4 deg C	PORT06	L51	04/26/2025	Chemtech -SO
Q1901-04	B-167-SB02	Solid	Percent Solids	Cool 4 deg C	PORT06	L51	04/26/2025	Chemtech -SO
Q1901-05	B-170-SB02	Solid	Percent Solids	Cool 4 deg C	PORT06	L51	04/26/2025	Chemtech -SO
Q1902-01	343	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1902-02	343	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1904-01	VNJ-210	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1905-01	MH-G	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/28/2025	Chemtech -SO
Q1905-02	MH-G-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/28/2025	Chemtech -SO
Q1905-03	MH-G-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/28/2025	Chemtech -SO
Q1906-13	WC-7	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-14	WC-7-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-15	WC-7-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-05	WC-5	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-06	WC-5-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-07	WC-5-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO

Date/Time 04/28/25 16:15

Raw Sample Received by: TO (20°C)

Raw Sample Relinquished by:

Date/Time 04/28/25 17:30

Raw Sample Received by:

Raw Sample Relinquished by: TO (20°C)

WORKLIST(Hardcopy Internal Chain)

WB 1355775

WorkList Name : %1-042825 **WorkList ID :** 189159 **Department :** Wet-Chemistry **Date :** 04-28-2025 07:59:12

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1906-09	WC-6	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-10	WC-6-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-11	WC-6-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1905-05	MH-H	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1905-06	MH-H-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/28/2025	Chemtech -SO
Q1905-07	MH-H-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/28/2025	Chemtech -SO
Q1906-01	WC-4	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/28/2025	Chemtech -SO
Q1906-02	WC-4-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-03	WC-4-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1907-01	CO-8R-WC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
					WALS01	L51	04/28/2025	Chemtech -SO

Date/Time 04/28/25 16:15
Raw Sample Received by: JD WOC
Raw Sample Relinquished by:

Date/Time 04/28/25 17:30
Raw Sample Received by:
Raw Sample Relinquished by: JD WOC

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

Prep Standard - Chemical Standard Summary

Order ID : Q1872

Test : Gasoline Range Organics

Prepbatch ID :

Sequence ID/Qc Batch ID: FB042925,

Standard ID :
PP24110,PP24111,PP24112,PP24485,PP24486,PP24487,PP24488,PP24489,PP24490,PP24494,PP24495,PP24496,

Chemical ID :
P11119,P9831,V14543,V14624,W3112,

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
231	10 PPM GRO STD 1ST SOURCE	PP24110	01/15/2025	07/13/2025	Yogesh Patel	None	None	Ankita Jodhani 01/15/2025

FROM 0.11100ml of P9831 + 9.89000ml of V14624 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
233	10 PPM GRO STD 2nd SOURCE	PP24111	01/15/2025	07/13/2025	Yogesh Patel	None	None	Ankita Jodhani 01/15/2025

FROM 0.11100ml of P11119 + 9.89000ml of V14624 = Final Quantity: 10.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3619	25 PPM AAA-TFT Surg	PP24112	01/15/2025	07/13/2025	Yogesh Patel	None	None	Ankita Jodhani 01/15/2025

FROM 0.10000ml of V14543 + 9.90000ml of V14624 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
238	5 PPB ICC GRO STD	PP24485	04/23/2025	07/13/2025	Yogesh Patel	None	None	Abdul Mirza 05/08/2025

FROM 5.00000ml of W3112 + 0.00100ml of PP24112 + 0.00250ml of PP24110 = Final Quantity: 5.004 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
237	10 PPB ICC GRO STD	PP24486	04/23/2025	07/13/2025	Yogesh Patel	None	None	Abdul Mirza 05/08/2025

FROM 5.00000ml of W3112 + 0.00200ml of PP24112 + 0.00500ml of PP24110 = Final Quantity: 5.007 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
239	20 PPB ICC GRO STD	PP24487	04/23/2025	07/13/2025	Yogesh Patel	None	None	Abdul Mirza 05/08/2025

FROM 5.00000ml of W3112 + 0.00400ml of PP24112 + 0.01000ml of PP24110 = Final Quantity: 5.014 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
235	50 PPB ICC GRO STD	PP24488	04/23/2025	07/13/2025	Yogesh Patel	None	None	Abdul Mirza 05/08/2025

FROM 5.00000ml of W3112 + 0.01000ml of PP24112 + 0.02500ml of PP24110 = Final Quantity: 5.035 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
234	100 PPB ICC GRO STD	PP24489	04/23/2025	07/13/2025	Yogesh Patel	None	None	Abdul Mirza 05/08/2025

FROM 5.00000ml of W3112 + 0.02000ml of PP24112 + 0.05000ml of PP24110 = Final Quantity: 5.070 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
240	20 PPB ICV GRO STD	PP24490	04/23/2025	07/13/2025	Yogesh Patel	None	None	Abdul Mirza 05/08/2025

FROM 5.00000ml of W3112 + 0.00400ml of PP24112 + 0.01000ml of PP24111 = Final Quantity: 5.014 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
241	20 PPB CCC GRO STD	PP24494	04/29/2025	07/13/2025	Yogesh Patel	None	None	Abdul Mirza 05/08/2025

FROM 5.00000ml of W3112 + 0.00400ml of PP24112 + 0.01000ml of PP24110 = Final Quantity: 5.014 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
241	20 PPB CCC GRO STD	PP24495	04/29/2025	07/13/2025	Yogesh Patel	None	None	Abdul Mirza 05/08/2025

FROM 5.00000ml of W3112 + 0.00400ml of PP24112 + 0.01000ml of PP24110 = Final Quantity: 5.014 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
241	20 PPB CCC GRO STD	PP24496	04/29/2025	07/13/2025	Yogesh Patel	None	None	Abdul Mirza 05/08/2025

FROM 5.00000ml of W3112 + 0.00400ml of PP24112 + 0.01000ml of PP24110 = Final Quantity: 5.014 ml

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30065 / GRO Mix (EPA)	A0155991	01/31/2027	11/27/2023 / yogesh	02/10/2021 / Sohil	P11119

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30065 / GRO Mix (EPA)	A0161776	07/15/2025	01/15/2025 / yogesh	09/11/2020 / DHAVAL	P9831

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30068 / VOA Mix, a, a, a-triflurotoluene 2500uq/ml, P&T methanol, 1ml	A0206957	07/15/2025	01/15/2025 / yogesh	09/30/2024 / yogesh	V14543

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	23I0762004	07/13/2025	01/13/2025 / SAM	11/26/2024 / SAM	V14624

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 2310762004
Manufactured Date: 2023-08-11
Expiration Date: 2026-08-10
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.5 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.01
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

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

Ken Koehnlein
Sr. Manager, Quality Assurance

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

1st source
DP
P9817 To P9826 (10)

Catalog No. : 30065 **Lot No.:** A0155991

Description : Gasoline Range Organics Mix (EPA)

Gasoline Range Organics Mix (EPA) 500 - 1500µg/mL, P&T Methanol, 1mL/ampul

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

Expiration Date : January 31, 2027 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2-Methylpentane **CAS #** 107-83-5 (Lot MKCB1674V) **Purity** 98%	1,505.3 µg/mL	+/- 8.9409 +/- 84.4194 +/- 86.3938	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
2	2,2,4-Trimethylpentane (isooctane) **CAS #** 540-84-1 (Lot SHBD2922V) **Purity** 99%	1,504.0 µg/mL	+/- 8.9333 +/- 84.3476 +/- 86.3203	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
3	n-Heptane (C7) **CAS #** 142-82-5 (Lot SHBK8626) **Purity** 98%	500.8 µg/mL	+/- 2.9745 +/- 28.0848 +/- 28.7417	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
4	Benzene **CAS #** 71-43-2 (Lot SHBK5679) **Purity** 99%	501.0 µg/mL	+/- 2.9758 +/- 28.0972 +/- 28.7543	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
5	Toluene **CAS #** 108-88-3 (Lot MKCH9232) **Purity** 99%	1,505.0 µg/mL	+/- 8.9392 +/- 84.4037 +/- 86.3777	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
6	Ethylbenzene **CAS #** 100-41-4 (Lot SHBJ4278) **Purity** 99%	502.0 µg/mL	+/- 2.9817 +/- 28.1533 +/- 28.8117	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
7	m-Xylene **CAS #** 108-38-3 (Lot SHBJ8743) **Purity** 99%	1,004.0 µg/mL	+/- 5.9635 +/- 56.3065 +/- 57.6234	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

8	o-Xylene		1,008.0	µg/mL	+/- 5.9872	µg/mL	Gravimetric
	CAS # 95-47-6	(Lot SHBK7739)			+/- 56.5308	µg/mL	Unstressed
	Purity 99%				+/- 57.8530	µg/mL	Stressed
9	1,2,4-Trimethylbenzene		1,004.5	µg/mL	+/- 5.9664	µg/mL	Gravimetric
	CAS # 95-63-6	(Lot MKBJ6229V)			+/- 56.3345	µg/mL	Unstressed
	Purity 98%				+/- 57.6521	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

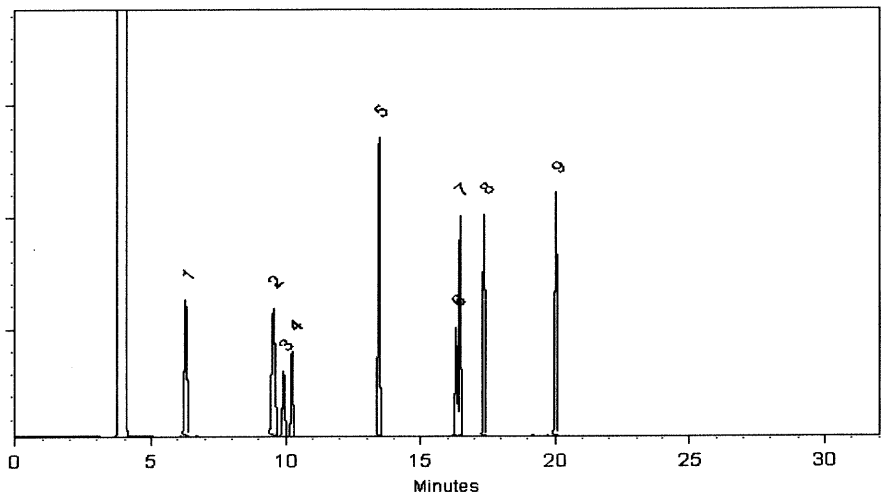
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



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

Miranda Kline - Operations Technician I

Date Mixed: 19-Dec-2019 **Balance:** 1127510105

Fang-Yun Lo - QC Analyst

Date Passed: 23-Dec-2019

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB042925\
Data File : FB031657.D
Signal(s) : FID2B.CH
Acq On : 29 Apr 2025 11:02
Operator : YP/AJ
Sample : Q1872-15
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
HW0425-PT-GAS-SOIL

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 04/30/2025
Supervised By :mohammad ahmed 05/02/2025

Integration File: Calibration.e
Quant Time: Apr 30 02:33:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
5) s	AAA-TFT	8.729	177875526	7756.355	ng/mlm
	Target Compounds				
1) t	2-Methylpentane	4.795	418567065	18836.321	ng/mlm
2) t	2,2,4-Trimethylpentane	7.537	1691284773	49512.648	ng/mlm
3) t	n-Heptane	7.860	552114713	17950.236	ng/mlm
4) t	Benzene	7.937	1238877598	30296.106	ng/mlm
6) t	Toluene	10.851	3654777224	91732.624	ng/mlm
7) t	Ethylbenzene	13.167	168143492	4705.437	ng/mlm
8) t	m-Xylene	13.285	377576094	9663.608	ng/mlm
9) t	O-Xylene	13.975	66758739	1811.971	ng/ml
10) t	1,2,4-Trimethylbenzene	16.203	3668589	136.002	ng/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB042925\
Data File : FB031657.D
Signal(s) : FID2B.CH
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Operator : YP/AJ
Sample : Q1872-15
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 5 Sample Multiplier: 1

Integration File: Calibration.e
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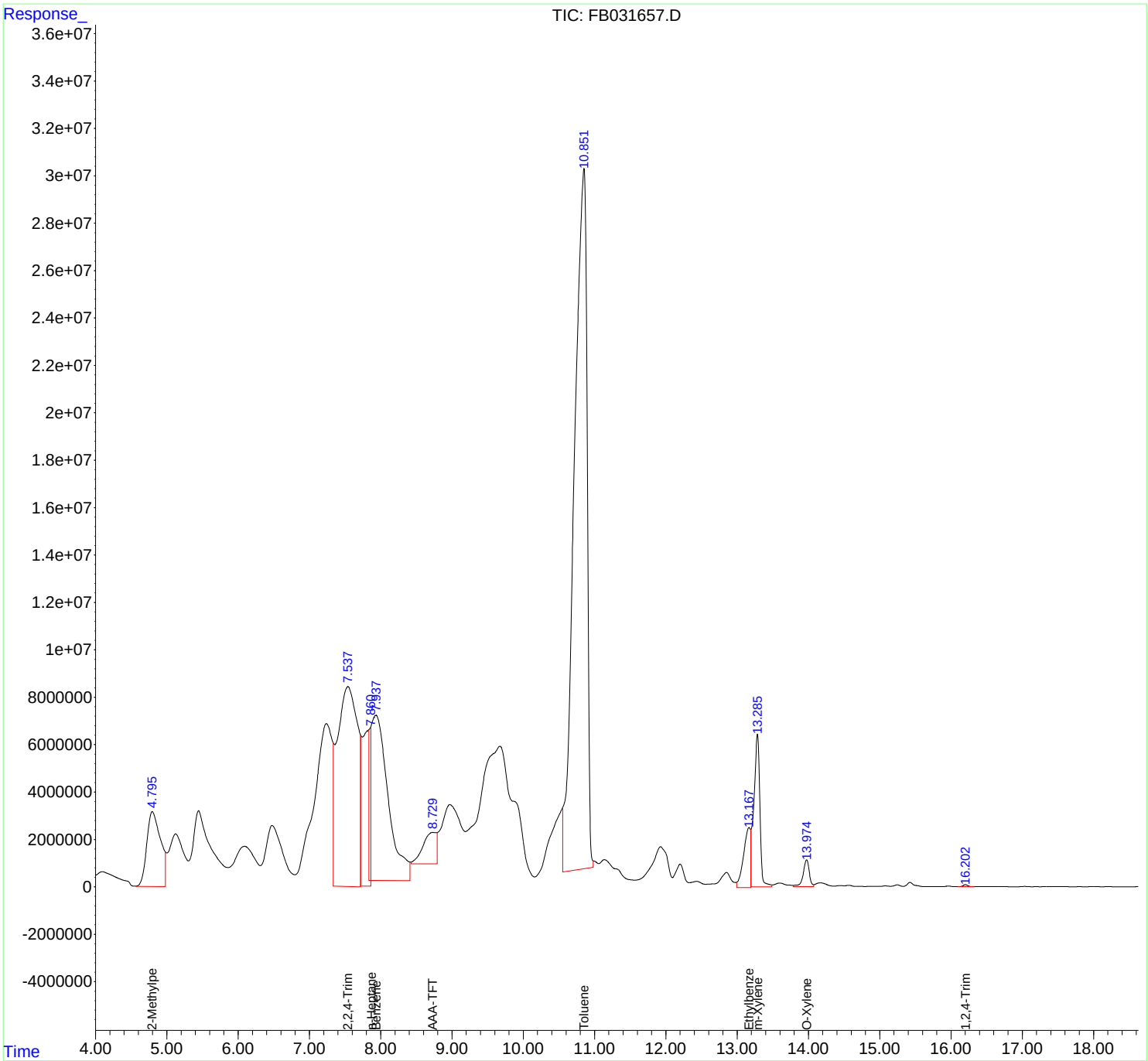
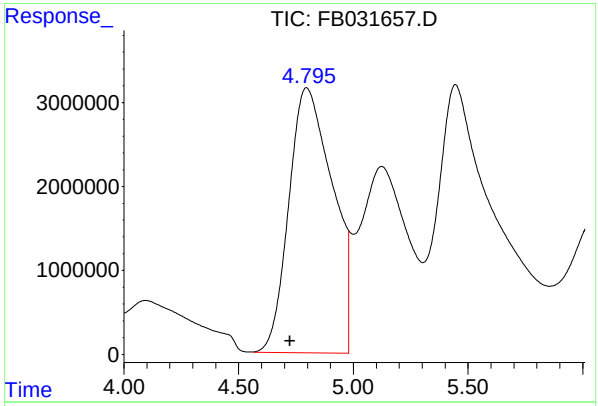
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um

Instrument :
FID_B
ClientSampleId :
HW0425-PT-GAS-SOIL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/30/2025
Supervised By :mohammad ahmed 05/02/2025





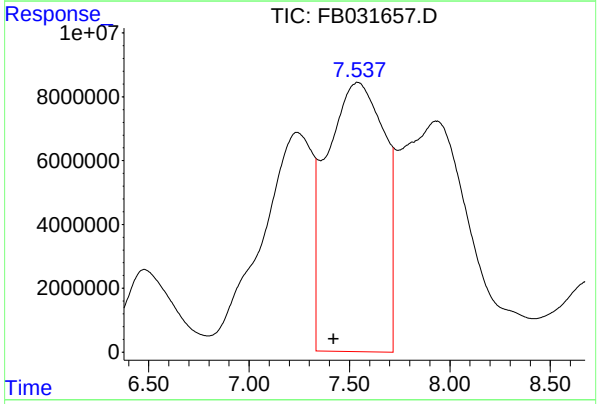
#1 2-Methylpentane

R.T.: 4.795 min
Delta R.T.: 0.072 min
Response: 418567065
Conc: 18836.32 ng/

Instrument :
FID_B
ClientSampleId :
HW0425-PT-GAS-SOIL

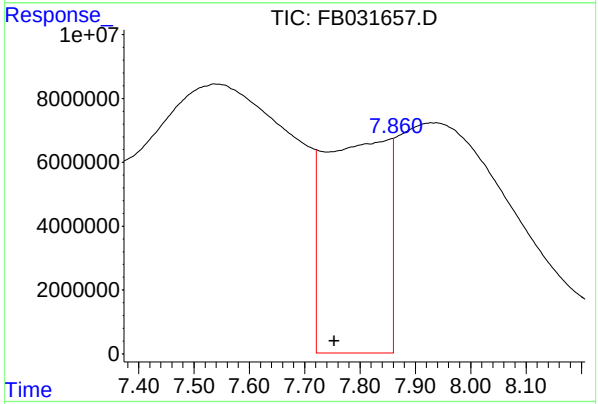
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



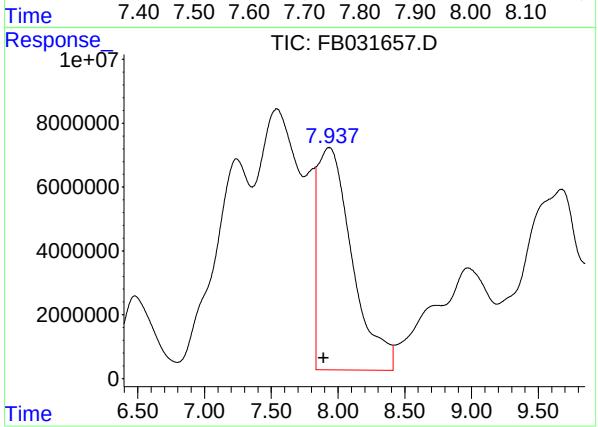
#2 2,2,4-Trimethylpentane

R.T.: 7.537 min
Delta R.T.: 0.116 min
Response: 1691284773
Conc: 49512.65 ng/ml m



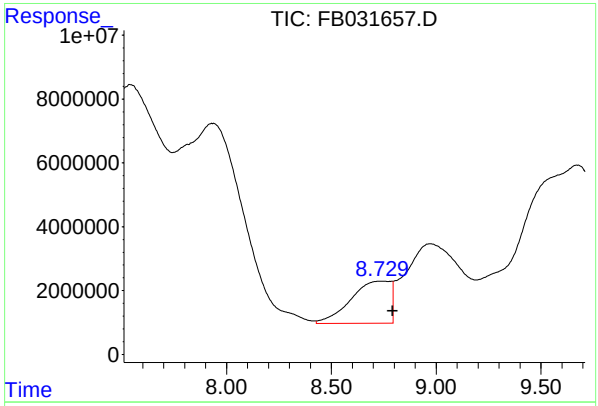
#3 n-Heptane

R.T.: 7.860 min
Delta R.T.: 0.106 min
Response: 552114713
Conc: 17950.24 ng/ml m



#4 Benzene

R.T.: 7.937 min
Delta R.T.: 0.043 min
Response: 1238877598
Conc: 30296.11 ng/ml m



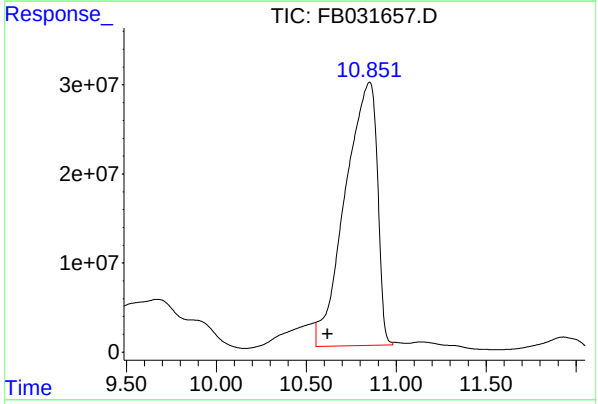
#5 AAA-TFT

R.T.: 8.729 min
Delta R.T.: -0.063 min
Response: 177875526
Conc: 7756.36 ng/m

Instrument :
FID_B
ClientSampleId :
HW0425-PT-GAS-SOIL

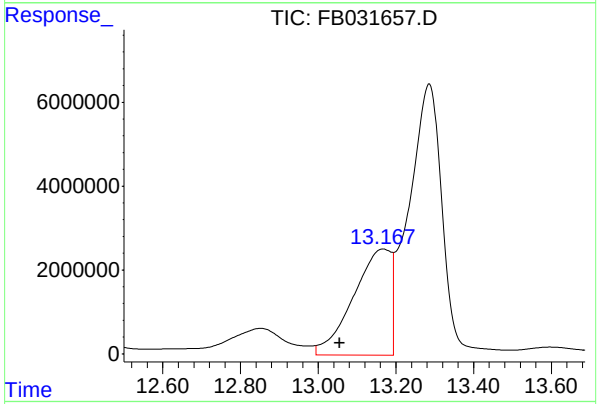
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



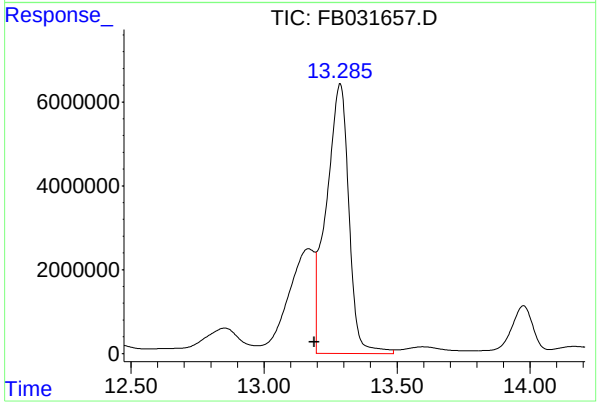
#6 Toluene

R.T.: 10.851 min
Delta R.T.: 0.231 min
Response: 3654777224
Conc: 91732.62 ng/ml m



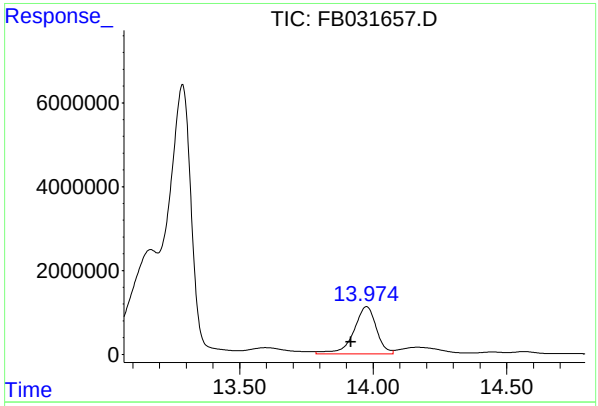
#7 Ethylbenzene

R.T.: 13.167 min
Delta R.T.: 0.111 min
Response: 168143492
Conc: 4705.44 ng/ml m



#8 m-Xylene

R.T.: 13.285 min
Delta R.T.: 0.096 min
Response: 377576094
Conc: 9663.61 ng/ml m



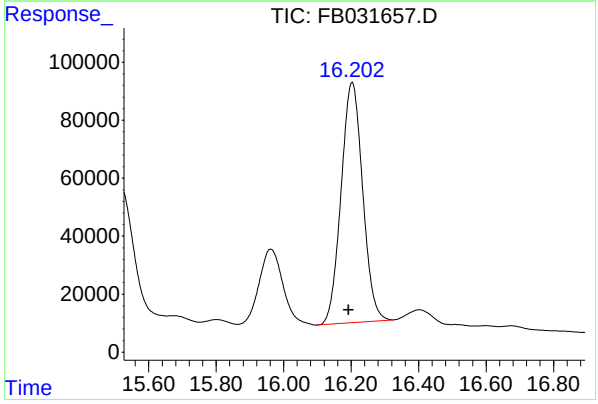
#9 O-Xylene

R.T.: 13.975 min
Delta R.T.: 0.058 mi
Response: 66758739
Conc: 1811.97 ng/m

Instrument :
FID_B
ClientSampleId :
HW0425-PT-GAS-SOIL

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



#10 1,2,4-Trimethylbenzene

R.T.: 16.203 min
Delta R.T.: 0.011 min
Response: 3668589
Conc: 136.00 ng/ml

Instrument :
FID_B
ClientSampleId :
HW0425-PT-GAS-SOIL

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/30/2025
Supervised By :mohammad ahmed 05/02/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB04292
Data File : FB031657.D
Signal(s) : FID2B.CH
Acq On : 29 Apr 2025 11:02
Sample : Q1872-15
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 5 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.796	4.604	5.002	PV	2451131	262759815	6.27%	2.009%
2	6.091	5.856	6.312	PV	974906	151885671	3.63%	1.161%
3	6.477	6.312	6.797	VV	1981107	271444432	6.48%	2.075%
4	7.239	6.797	7.356	PV	6409398	1145528166	27.34%	8.757%
5	7.542	7.356	7.742	VV	7995882	1589578246	37.94%	12.151%
6	7.933	7.742	8.419	VV	6807314	1531035811	36.54%	11.704%
7	8.734	8.419	8.772	VV	1919843	283029119	6.76%	2.164%
8	8.971	8.772	9.191	VV	3106412	629321741	15.02%	4.811%
9	9.672	9.191	10.160	VV	5622569	1887922011	45.06%	14.432%
10	10.850	10.160	11.059	VV	30064553	4189799512	100.00%	32.029%
11	11.139	11.059	11.566	VV	940108	154361439	3.68%	1.180%
12	11.927	11.566	12.094	VV	1543491	233619720	5.58%	1.786%
13	12.201	12.094	12.332	VV	824368	62931589	1.50%	0.481%
14	12.433	12.332	12.560	VV	114240	8885176	0.21%	0.068%
15	12.852	12.560	12.976	PV	511581	44627948	1.07%	0.341%
16	13.285	12.976	13.492	VV	6355946	528948331	12.62%	4.044%
17	13.598	13.492	13.784	VV	96246	7676107	0.18%	0.059%
18	13.975	13.784	14.077	VV	1093102	60121416	1.43%	0.460%
19	14.166	14.077	14.359	VV	129333	11999251	0.29%	0.092%
20	14.446	14.359	14.502	PV	28316	1399047	0.03%	0.011%
21	14.565	14.502	14.794	VV	41837	2093282	0.05%	0.016%
22	14.922	14.794	14.994	PV	6883	547489	0.01%	0.004%
23	15.078	14.994	15.149	VV	26899	1502001	0.04%	0.011%
24	15.247	15.149	15.329	VV	72691	3939114	0.09%	0.030%
25	15.426	15.329	15.753	VV	180931	11427050	0.27%	0.087%
26	15.801	15.753	15.862	PV	1229	41712	0.00%	0.000%
27	15.963	15.862	16.096	PV	26061	1263705	0.03%	0.010%
28	16.203	16.096	16.325	PV	82756	3666978	0.09%	0.028%

Sum of corrected areas: 13081355879

FB042325.M Wed Apr 30 03:43:54 2025

SHIPPING DOCUMENTS

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Packing List

Date	Order #
04/21/2025	333293

6390 Joyce Dr., #100
Golden, CO 80403

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Fax: +1-303-940-0043
info@phenova.com
www.phenova.com

Received by: SJ
4/23/2025 15:50

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www.phenova.com/home/termsofsale

Ship To

Alliance Tech Group - Newark
ATTN: Sohil Jodhani
284 Sheffield St., #1
Mountainside, NJ 07092
USA

Customer PO #	Terms	PT Acct #	Customer #	Ship Via	F.O.B.
PO2-1668	Net 30	ZCM-100	1500470	FedEx Collect 2nd Day	Golden, CO

Qty Ordered	Qty Shipped	Qty Backorder	Part Number	Part Description	Study Number	Lot Number
1	1	0	PT-MET-SOIL	SOIL/HW Trace Metals	HW0425	7100-04
1	1	0	PT-CR6-SOIL	SOIL/HW Hexavalent Chromium	HW0425	7100-05B
1	1	0	PT-CN-SOIL	SOIL/HW Cyanide	HW0425	7100-06
1	1	0	PT-CORR-SOIL	SOIL/HW Corrosivity/pH	HW0425	7100-11
1	1	0	PT-FP-SOIL	SOIL/HW Flash Point	HW0425	7100-10
1	1	0	PT-AN-SOIL	SOIL/HW Anions	HW0425	7100-08
1	1	0	PT-NUT-SOIL	SOIL/HW Nutrients	HW0425	7100-09B
1	1	0	PT-SOL-SOIL	SOIL/HW Solids	HW0425	7100-31
1	1	0	PT-NO2-SOIL	SOIL/HW Nitrite as N	HW0425	7100-71
1	1	0	PT-GAS-SOIL	SOIL/HW Gasoline	HW0425	7100-96
1	1	0	PT-OGR-SOIL	SOIL/HW Oil and Grease	HW0425	7100-94
1	1	0	PT-VOA-SOIL	SOIL/HW Volatiles	HW0425	7100-12
1	1	0	PT-BNA-SOIL	SOIL/HW BNAs	HW0425	7100-13
1	1	0	PT-PEST-SOIL	SOIL/HW Pesticides	HW0425	7100-14
1	1	0	PT-CHLR-SOIL	SOIL/HW Chlordane	HW0425	7100-15
1	1	0	PT-TXP-SOIL	SOIL/HW Toxaphene	HW0425	7100-16
1	1	0	PT-PCB-SOIL	SOIL/HW PCBs	HW0425	7100-17
1	1	0	PT-PCBO-SOIL	SOIL/HW PCBs in Oil	HW0425	7100-88
1	1	0	PT-HERB-SOIL	SOIL/HW Herbicides	HW0425	7100-18
1	1	0	PT-PAH-SOIL	SOIL/HW PAHs	HW0425	7100-22
1	1	0	PT-TRIAZINE-SOIL	SOIL/HW Triazine Pesticides	HW0425	7100-106
1	1	0	PT-NJEPH-SOIL	NJ EPH in SOIL	HW0425	7100-105

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04/25/2025	337220

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ATTN: Sohil Jodhani
284 Sheffield St., #1
Mountainside, NJ 07092
USA

Received by: SJ
4/28/2025 9:40

Customer PO #	Terms	PT Acct #	Customer #	Ship Via	F.O.B.
CPR	Net 30	ZCM-100	1500470	FedEx Next Day	Golden, CO

Qty Ordered	Qty Shipped	Qty Backorder	Part Number	Part Description	Study Number	Lot Number
1	1	0	PT-DIES-SOIL	SOIL/HW Diesel in Soil	HW0425	7100-100

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

Laboratory Certification

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