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DATA PACKAGE

GC SEMI-VOLATILES

PROJECT NAME : FT MEADE TIPTON AIRFIELD PARCEL RI - PO 0111169

WESTON SOLUTIONS

1400 Weston Way

PO Box 2653

West Chester, PA - 19380

Phone No: 610-701-7400

ORDER ID : Q1539

ATTENTION : Nathan Fretz

Laboratory Certification ID # 20012

Table Of Contents for Q1539

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Cover Page

Order ID : Q1539

Project ID : Ft Meade Tipton Airfield Parcel RI - PO 0111169

Client : Weston Solutions

Lab Sample Number	Client Sample Number
Q1539-01	TAPIAL3-MW03D-031025-00-T1
Q1539-02	TAPFTA-MW01I-031025-00-T2
Q1539-03	TAP-TB-03-031025
Q1539-04	TAP-TB-04-031025-T2

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 2:48 pm, Mar 25, 2025

Date: 3/25/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Weston Solutions
Project Name: Ft Meade Tipton Airfield Parcel RI - PO 0111169
Project # N/A
Chemtech Project # Q1539
Test Name: Gasoline Range Organics

A. Number of Samples and Date of Receipt:
4 Water samples were received on 03/11/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Ammonia, Anions Group5, Diesel Range Organics, Gasoline Range Organics, Hardness, Total, Hexavalent Chromium, Mercury, Metals ICP-TAL, METALS-TAL, Oil and Grease, PESTICIDE Group1, SVOC-TCL BNA -20, TOC and VOC-TCLVOA-10. 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 .

E. Additional Comments:
The not QT review data is reported in the Miscellaneous.

F. Calculation for Concentration in WATER samples :

Calculations for samples are:

$$\text{Waters: mg/L} = \frac{\text{ng purged}}{(\text{mL sample purged})\ (1000)}$$

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Where
ng purged = $\frac{\text{total area of peaks}}{\text{calibration factor (CF)}}$

CF = mean CF of the initial calibration

G. 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 2:48 pm, Mar 25, 2025

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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

CHEMTECH PROJECT NUMBER: Q1539 MATRIX: Water

METHOD: 8015D/3510

		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:

The not QT review data is reported in the Miscellaneous.

APPROVED
By Nimisha Pandya, QA/QC Supervisor at 2:48 pm, Mar 25, 2025

QA REVIEW Date

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1539

	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: Mohammad Ahmed **Date:** 03/25/2025

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LAB CHRONICLE

OrderID:	Q1539	**OrderDate:**	3/11/2025 10:36:00 AM
Client:	Weston Solutions	**Project:**	Ft Meade Tipton Airfield Parcel RI - PO 0111169
Contact:	Nathan Fretz	**Location:**	I31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1539-01	**TAPIAL3-MW03D-031025-00-T1**	**Water**			**03/10/25**			**03/11/25**
			Diesel Range Organics	8015D		03/12/25	03/12/25	
			Gasoline Range Organics	8015D			03/12/25	
			PESTICIDE Group1	8081B		03/11/25	03/11/25	
Q1539-02	**TAPFTA-MW01I-031025-00-T2**	**Water**			**03/10/25**			**03/11/25**
			Diesel Range Organics	8015D		03/12/25	03/12/25	
			Gasoline Range Organics	8015D			03/12/25	
			PESTICIDE Group1	8081B		03/11/25	03/11/25	

QC SUMMARY

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WATER GASOLINE RANGE ORGANICS SURROGATE RECOVERY

Lab Name: Chemtech Client: Weston Solutions

Lab Code: CHEM Case No.: Q1539 SAS No.: Q1539 SDG No.: Q1539

EPA SAMPLE NO.	S1 AAA-TFT	S2	S3	S4	TOT OUT
VBF0312W1	99				0
BSF0312W1	102				0
TAPIAL3-MW03D-031025-00-T1	99				0
TAPFTA-MW01I-031025-00-T2	85				0
BSF0312W2	93				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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WATER GASOLINE RANGE ORGANICS LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLIC

Lab Name: Chemtech **Client:** Weston Solutions

Lab Code: CHEM **Cas No:** Q1539 **SAS No :** Q1539 **SDG No:** Q1539

Matrix Spike - EPA Sample No : BSF0312W1 **Datafile:** FB031586.D

COMPOUND	SPIKE ADDED ug/L	CONCENTRATION ug/L	LCS/LCSD CONCENTRATION ug/L	% REC	QC LIMITS
GRO	180	0	217	121	50-150

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WATER GASOLINE RANGE ORGANICS LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLIC

Lab Name: Chemtech **Client:** Weston Solutions

Lab Code: CHEM **Cas No:** Q1539 **SAS No :** Q1539 **SDG No:** Q1539

Matrix Spike - EPA Sample No : BSF0312W2 **Datafile:** FB031589.D

COMPOUND	SPIKE ADDED ug/L	CONCENTRATION ug/L	LCS/LCSD CONCENTRATION ug/L	% REC	QC LIMITS
GRO	180	0	209	116	50-150

LCS/LCSD % Recovery RPD : 3.8

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

Lab Name: Chemtech **Client:** Weston Solutions

Lab Code: CHEM **Cas No:** Q1539 **SAS No :** Q1539 **SDG No:** Q1539

Matrix Spike - EPA Sample No : BSF0312S1 **Datafile:** FB031593.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS
GRO	180	0	185	103	50-150

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

Lab Name: Chemtech **Client:** Weston Solutions

Lab Code: CHEM **Cas No:** Q1539 **SAS No :** Q1539 **SDG No:** Q1539

Matrix Spike - EPA Sample No : BSF0312S2 **Datafile:** FB031597.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS
GRO	180	0	179	99	50-150

LCS/LCSD % Recovery RPD : 3.4

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METHOD BLANK SUMMARY

EPA SAMPLE NO.: VBF0312W1

Lab Name: CHEMTECH Contract: WEST04

Lab Code: CHEM Case No.: Q1539 SAS No.: Q1539 SDG NO.: Q1539

Lab File ID: FB031585.D Lab Sample ID: VBF0312W1

Date Analyzed: 03/12/25 Time Analyzed: 10:09

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

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
BSF0312W1	BSF0312W1	FB031586.D	03/12/25
TAPIAL3-MW03D-031025-00-T1	Q1539-01	FB031587.D	03/12/25
TAPFTA-MW01I-031025-00-T2	Q1539-02	FB031588.D	03/12/25
BSF0312W2	BSF0312W2	FB031589.D	03/12/25

COMMENTS:

SAMPLE DATA

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Report of Analysis

Client:	Weston Solutions	Date Collected:	03/10/25
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	03/11/25
Client Sample ID:	TAPIAL3-MW03D-031025-00-T1	SDG No.:	Q1539
Lab Sample ID:	Q1539-01	Matrix:	Water
Analytical Method:	8015D GRO	% Solid:	0 Decanted:
Sample Wt/Vol:	5 Units: mL	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
FB031587.D	1	03/12/25 11:04	FB031225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
GRO	GRO	19.0	J	6.00	9.00	45.0	ug/L
SURROGATES							
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	19.8		50 - 150		99%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB031225\
Data File : FB031587.D
Signal(s) : FID2B.CH
Acq On : 12 Mar 2025 11:04
Operator : YP/AJ
Sample : Q1539-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TAPIAL3-MW03D-031025-00-T1

Integration File: Calibration.e
Quant Time: Mar 13 01:16:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
Quant Title :
QLast Update : Thu Mar 06 13:17:04 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	447663	19.769 ng/ml
Target Compounds			

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

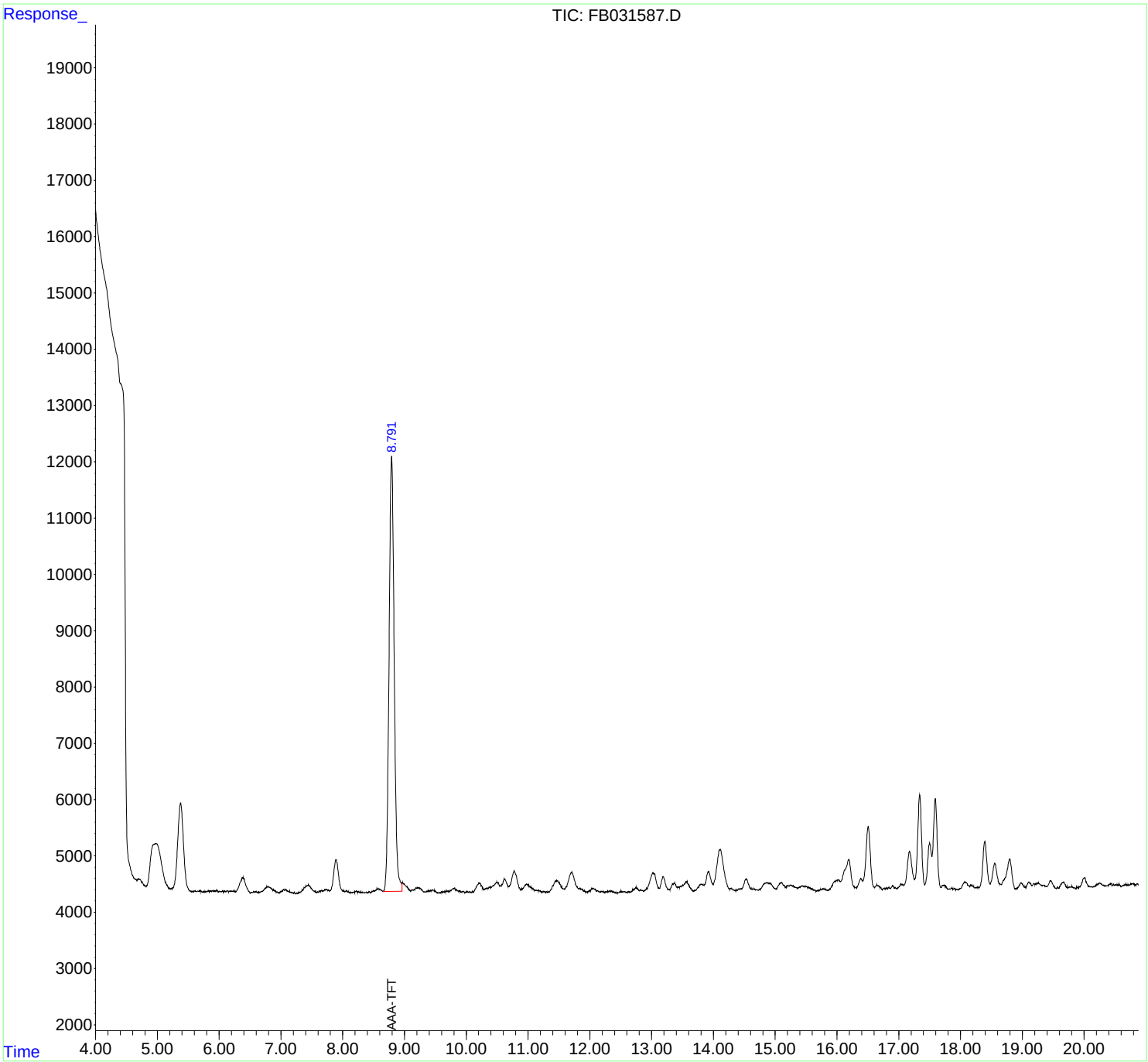
Quantitation Report (QT Reviewed)

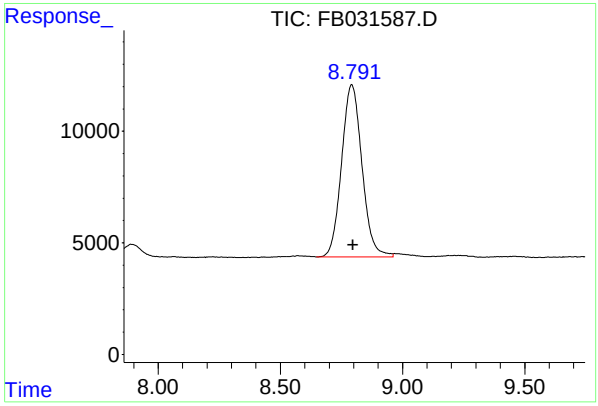
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB031225\
Data File : FB031587.D
Signal(s) : FID2B.CH
Acq On : 12 Mar 2025 11:04
Operator : YP/AJ
Sample : Q1539-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TAPIAL3-MW03D-031025-00-T1

Integration File: Calibration.e
Quant Time: Mar 13 01:16:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
Quant Title :
QLast Update : Thu Mar 06 13:17:04 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.: 8.793 min
Delta R.T.: -0.004 mir
Response: 447663
Conc: 19.77 ng/m

Instrument :
FID_B
ClientSampleId :
TAPIAL3-MW03D-031025-00-T1

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB031225\
Data File : FB031587.D
Signal(s) : FID2B.CH
Acq On : 12 Mar 2025 11:04
Sample : Q1539-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.707	4.637	4.826	BV	51	1873	0.41%	0.174%
2	5.230	5.213	5.238	VV	16	166	0.04%	0.015%
3	5.250	5.238	5.257	VV	29	281	0.06%	0.026%
4	5.556	5.546	5.594	PV	6	110	0.02%	0.010%
5	5.611	5.594	5.632	VV	24	282	0.06%	0.026%
6	5.654	5.632	5.666	VV	19	265	0.06%	0.025%
7	5.682	5.666	5.695	VV	27	304	0.07%	0.028%
8	5.703	5.695	5.728	VV	29	310	0.07%	0.029%
9	5.739	5.728	5.749	VV	17	121	0.03%	0.011%
10	5.759	5.749	5.769	VV	13	108	0.02%	0.010%
11	5.779	5.769	5.785	PV	14	71	0.02%	0.007%
12	5.802	5.785	5.822	VV	22	381	0.08%	0.035%
13	5.831	5.822	5.854	VV	32	412	0.09%	0.038%
14	5.873	5.854	5.882	VV	32	421	0.09%	0.039%
15	5.893	5.882	5.902	VV	39	367	0.08%	0.034%
16	5.907	5.902	5.933	VV	33	517	0.11%	0.048%
17	5.962	5.933	5.989	VV	48	964	0.21%	0.089%
18	6.001	5.989	6.012	VV	26	258	0.06%	0.024%
19	6.028	6.012	6.041	VV	25	361	0.08%	0.033%
20	6.055	6.041	6.083	VV	38	626	0.14%	0.058%
21	6.095	6.083	6.109	VV	37	377	0.08%	0.035%
22	6.139	6.109	6.159	VV	42	869	0.19%	0.081%
23	6.169	6.159	6.185	VV	33	442	0.10%	0.041%
24	6.191	6.185	6.212	VV	41	540	0.12%	0.050%
25	6.222	6.212	6.227	VV	34	263	0.06%	0.024%
26	6.233	6.227	6.269	VV	36	724	0.16%	0.067%
27	6.383	6.269	6.503	VV	274	19508	4.28%	1.810%
28	6.558	6.503	6.629	PV	32	1554	0.34%	0.144%
29	6.639	6.629	6.653	VV	35	288	0.06%	0.027%
30	6.793	6.653	6.870	VV	129	10186	2.24%	0.945%
31	6.939	6.928	6.975	VV	34	617	0.14%	0.057%
32	7.044	6.975	7.067	VV	76	2591	0.57%	0.240%
33	7.089	7.067	7.099	VV	73	1229	0.27%	0.114%
34	7.104	7.099	7.170	VV	54	1526	0.34%	0.142%
35	7.179	7.170	7.209	VV	27	416	0.09%	0.039%
36	7.219	7.209	7.248	VV	28	252	0.06%	0.023%

rteres

37	7.258	7.248	7.275	PV	17	154	0.03%	0.014%
38	7.344	7.275	7.353	VV	74	1580	0.35%	0.147%
39	7.378	7.353	7.388	VV	111	1839	0.40%	0.171%
40	7.443	7.388	7.543	VV	157	10257	2.25%	0.951%
41	7.552	7.543	7.576	VV	51	688	0.15%	0.064%
42	7.630	7.576	7.639	VV	51	1227	0.27%	0.114%
43	7.664	7.639	7.680	VV	59	1222	0.27%	0.113%
44	7.716	7.680	7.724	VV	75	1587	0.35%	0.147%
45	7.737	7.724	7.760	VV	77	1558	0.34%	0.145%
46	7.771	7.760	7.801	VV	68	1403	0.31%	0.130%
47	7.891	7.801	8.007	VV	607	34690	7.62%	3.218%
48	8.015	8.007	8.038	VV	55	810	0.18%	0.075%
49	8.064	8.038	8.114	VV	58	1705	0.37%	0.158%
50	8.131	8.114	8.156	VV	27	506	0.11%	0.047%
51	8.176	8.156	8.193	VV	30	559	0.12%	0.052%
52	8.225	8.193	8.248	VV	51	1209	0.27%	0.112%
53	8.260	8.248	8.271	VV	46	447	0.10%	0.041%
54	8.276	8.271	8.284	VV	29	188	0.04%	0.017%
55	8.296	8.284	8.309	VV	27	329	0.07%	0.031%
56	8.314	8.309	8.324	VV	31	190	0.04%	0.018%
57	8.347	8.324	8.357	VV	23	321	0.07%	0.030%
58	8.385	8.357	8.412	VV	30	648	0.14%	0.060%
59	8.426	8.412	8.455	VV	36	690	0.15%	0.064%
60	8.573	8.455	8.656	VV	97	7121	1.56%	0.661%
61	8.792	8.656	8.960	VV	7769	455295	100.00%	42.235%
62	8.968	8.960	9.108	VV	198	10741	2.36%	0.996%
63	9.123	9.108	9.137	VV	68	1048	0.23%	0.097%
64	9.188	9.137	9.202	VV	107	3123	0.69%	0.290%
65	9.213	9.202	9.311	VV	112	5346	1.17%	0.496%
66	9.321	9.311	9.336	VV	35	441	0.10%	0.041%
67	9.391	9.336	9.407	VV	51	1686	0.37%	0.156%
68	9.456	9.407	9.552	VV	67	3665	0.81%	0.340%
69	9.562	9.552	9.579	VV	23	222	0.05%	0.021%
70	9.597	9.579	9.607	VV	35	369	0.08%	0.034%
71	9.619	9.607	9.630	VV	33	376	0.08%	0.035%
72	9.642	9.630	9.650	VV	38	371	0.08%	0.034%
73	9.686	9.650	9.699	VV	55	1129	0.25%	0.105%
74	9.708	9.699	9.718	VV	54	488	0.11%	0.045%
75	9.751	9.718	9.758	VV	60	1119	0.25%	0.104%
76	9.794	9.758	9.804	VV	95	2164	0.48%	0.201%
77	9.813	9.804	9.876	VV	102	2826	0.62%	0.262%
78	9.886	9.876	9.922	VV	51	1041	0.23%	0.097%
79	9.934	9.922	9.977	VV	39	1058	0.23%	0.098%
80	9.988	9.977	9.995	VV	22	219	0.05%	0.020%
81	10.006	9.995	10.015	VV	46	379	0.08%	0.035%
82	10.026	10.015	10.038	VV	39	375	0.08%	0.035%
83	10.059	10.038	10.085	VV	35	674	0.15%	0.063%
84	10.101	10.085	10.112	VV	38	426	0.09%	0.040%
85	10.222	10.112	10.296	VV	191	12846	2.82%	1.192%
86	10.371	10.296	10.381	VV	113	4799	1.05%	0.445%
87	10.497	10.381	10.538	VV	204	14475	3.18%	1.343%
88	10.548	10.538	10.563	VV	147	2035	0.45%	0.189%
89	10.618	10.563	10.694	VV	261	14495	3.18%	1.345%

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90	10.777	10.694	10.882	VV	404	26531	5.83%	2.461%
91	10.894	10.882	10.902	VV	90	903	0.20%	0.084%
92	10.979	10.902	11.073	VV	172	12705	2.79%	1.179%
93	11.080	11.073	11.101	VV	96	1299	0.29%	0.120%
94	11.110	11.101	11.125	VV	66	832	0.18%	0.077%
95	11.138	11.125	11.148	VV	62	751	0.16%	0.070%
96	11.176	11.148	11.186	VV	61	1174	0.26%	0.109%
97	11.196	11.186	11.221	VV	51	771	0.17%	0.072%
98	11.228	11.221	11.241	VV	35	343	0.08%	0.032%
99	11.254	11.241	11.290	VV	37	846	0.19%	0.079%
100	11.298	11.290	11.317	VV	34	390	0.09%	0.036%
101	11.338	11.317	11.345	VV	33	418	0.09%	0.039%
102	11.464	11.345	11.593	VV	237	21012	4.62%	1.949%
103	11.707	11.593	11.830	VV	379	29651	6.51%	2.751%
104	11.841	11.830	11.858	VV	91	1392	0.31%	0.129%
105	11.868	11.858	11.948	VV	79	2599	0.57%	0.241%
106	11.958	11.948	11.967	VV	34	297	0.07%	0.028%
107	12.033	11.967	12.044	VV	92	2535	0.56%	0.235%
108	12.054	12.044	12.088	VV	89	2128	0.47%	0.197%
109	12.093	12.088	12.108	VV	76	661	0.15%	0.061%
110	12.121	12.108	12.214	VV	51	2096	0.46%	0.194%
111	12.218	12.214	12.235	VV	39	303	0.07%	0.028%
112	12.257	12.235	12.268	VV	32	469	0.10%	0.043%
113	12.318	12.268	12.336	VV	45	1301	0.29%	0.121%
114	12.347	12.336	12.374	VV	47	783	0.17%	0.073%
115	12.383	12.374	12.443	VV	35	619	0.14%	0.057%
116	12.500	12.443	12.510	PV	30	676	0.15%	0.063%
117	12.528	12.510	12.537	VV	33	400	0.09%	0.037%
118	12.551	12.537	12.560	VV	33	372	0.08%	0.034%
119	12.567	12.560	12.586	VV	28	374	0.08%	0.035%
120	12.629	12.586	12.661	VV	35	916	0.20%	0.085%
121	12.740	12.661	12.805	VV	95	5506	1.21%	0.511%
122	12.825	12.805	12.869	VV	59	1769	0.39%	0.164%
123	13.026	12.869	13.125	VV	357	28003	6.15%	2.598%
124	13.184	13.125	13.262	VV	290	14448	3.17%	1.340%
125	13.287	13.262	13.296	VV	69	1278	0.28%	0.119%
126	13.371	13.296	13.411	VV	173	8856	1.95%	0.821%
127	13.427	13.411	13.436	VV	102	1451	0.32%	0.135%
128	13.471	13.436	13.479	VV	117	2656	0.58%	0.246%
129	13.564	13.479	13.684	VV	199	14479	3.18%	1.343%
130	13.700	13.684	13.707	VV	39	446	0.10%	0.041%
131	13.810	13.707	13.846	VV	149	8852	1.94%	0.821%
132	13.924	13.846	13.997	VV	370	21775	4.78%	2.020%
133	14.111	13.997	14.266	VV	766	62631	13.76%	5.810%
134	14.277	14.266	14.284	VV	66	625	0.14%	0.058%
135	14.293	14.284	14.354	VV	73	1942	0.43%	0.180%
136	14.408	14.354	14.418	VV	59	1472	0.32%	0.137%
137	14.427	14.418	14.438	VV	59	625	0.14%	0.058%
138	14.535	14.438	14.611	VV	234	13361	2.93%	1.239%
139	14.645	14.611	14.681	VV	61	2057	0.45%	0.191%
140	14.691	14.681	14.718	VV	42	816	0.18%	0.076%
141	14.747	14.718	14.754	VV	47	839	0.18%	0.078%

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142	14.836	14.754	14.855	VV	154	6577	1.44%	0.610%
143	14.872	14.855	14.906	VV	166	4805	1.06%	0.446%
144	14.922	14.906	15.010	VV	153	6171	1.36%	0.572%
145	15.105	15.010	15.170	VV	163	10689	2.35%	0.992%
146	15.177	15.170	15.184	VV	89	636	0.14%	0.059%
147	15.211	15.184	15.231	VV	111	2688	0.59%	0.249%
148	15.257	15.231	15.283	VV	113	3295	0.72%	0.306%
149	15.291	15.283	15.359	VV	107	3548	0.78%	0.329%
150	15.442	15.359	15.465	VV	99	5097	1.12%	0.473%
151	15.481	15.465	15.491	VV	95	1268	0.28%	0.118%
152	15.501	15.491	15.530	VV	93	1894	0.42%	0.176%
153	15.545	15.530	15.593	VV	79	2117	0.47%	0.196%
154	15.600	15.593	15.635	VV	53	731	0.16%	0.068%
155	15.645	15.635	15.674	VV	23	211	0.05%	0.020%
156	15.771	15.674	15.788	PV	39	1387	0.30%	0.129%
157	15.801	15.788	15.851	VV	28	599	0.13%	0.056%
158	16.027	15.851	16.058	PV	172	13092	2.88%	1.214%
159	16.193	16.058	16.306	VV	518	37878	8.32%	3.514%
160	16.384	16.306	16.419	PV	86	2142	0.47%	0.199%

Sum of corrected areas: 1077999

FB030625.M Thu Mar 13 02:08:45 2025

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

Report of Analysis

Client:	Weston Solutions	Date Collected:	03/10/25
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	03/11/25
Client Sample ID:	TAPFTA-MW01I-031025-00-T2	SDG No.:	Q1539
Lab Sample ID:	Q1539-02	Matrix:	Water
Analytical Method:	8015D GRO	% Solid:	0 Decanted:
Sample Wt/Vol:	5 Units: mL	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
FB031588.D	1	03/12/25 11:56	FB031225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
GRO	GRO	7.00	J	6.00	9.00	45.0	ug/L
SURROGATES							
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	17.0		50 - 150		85%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB031225\
Data File : FB031588.D
Signal(s) : FID2B.CH
Acq On : 12 Mar 2025 11:56
Operator : YP/AJ
Sample : Q1539-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TAPFTA-MW01I-031025-00-T2

Integration File: Calibration.e
Quant Time: Mar 13 01:16:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
Quant Title :
QLast Update : Thu Mar 06 13:17:04 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	384533	16.981 ng/ml
Target Compounds			

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

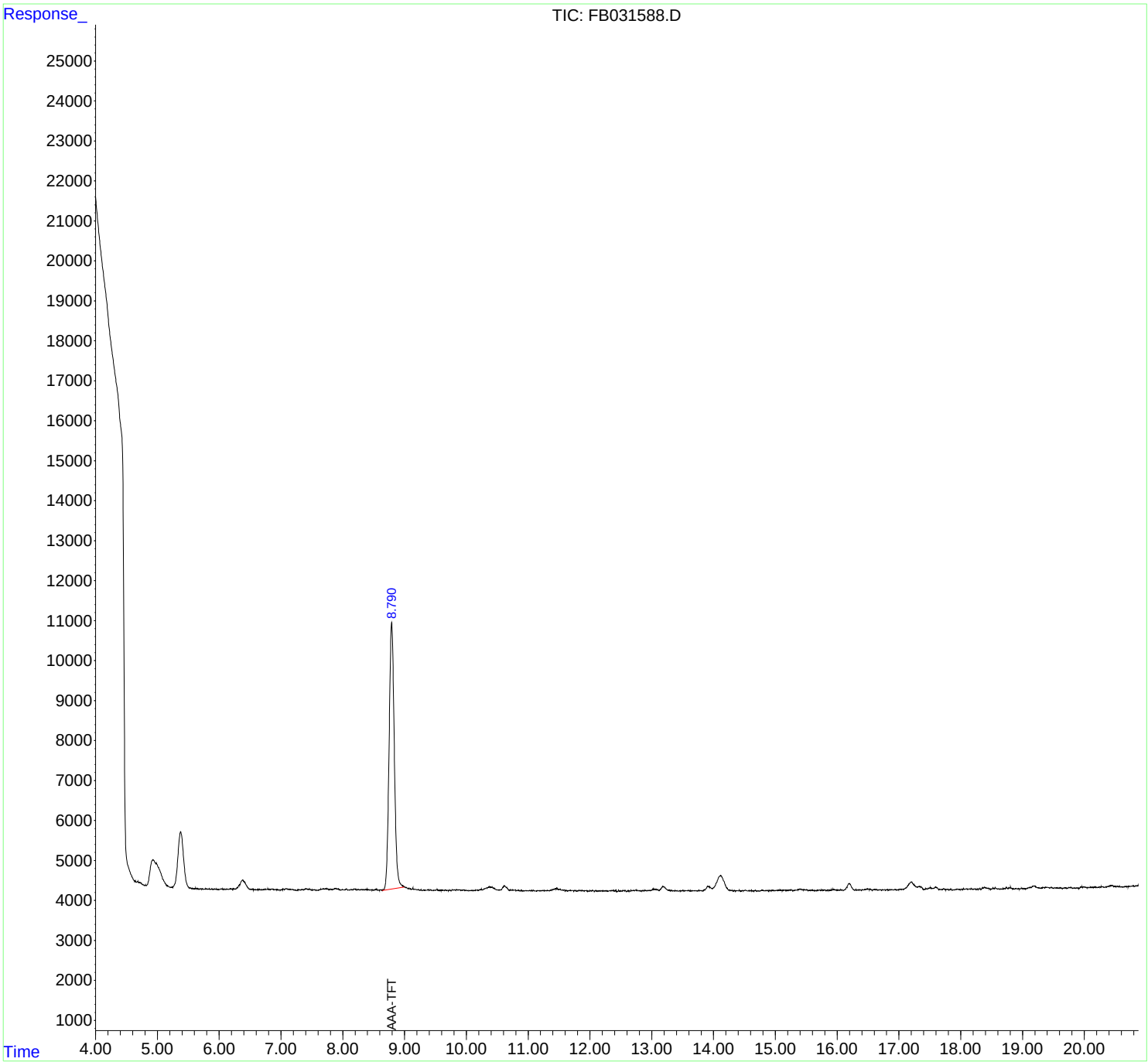
Quantitation Report (QT Reviewed)

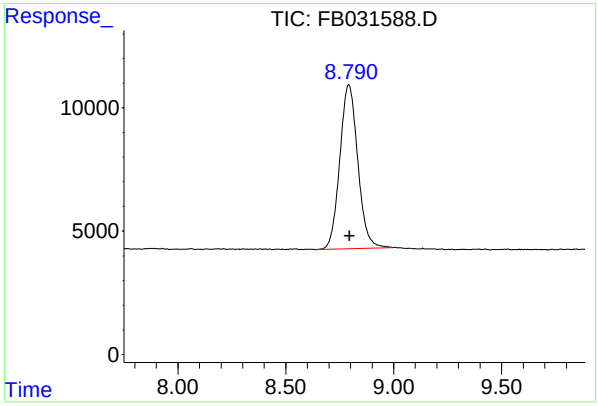
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB031225\
Data File : FB031588.D
Signal(s) : FID2B.CH
Acq On : 12 Mar 2025 11:56
Operator : YP/AJ
Sample : Q1539-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TAPFTA-MW01I-031025-00-T2

Integration File: Calibration.e
Quant Time: Mar 13 01:16:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
Quant Title :
QLast Update : Thu Mar 06 13:17:04 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.: 8.792 min
Delta R.T.: -0.004 mi
Response: 384533
Conc: 16.98 ng/m

Instrument :
FID_B
ClientSampleId :
TAPFTA-MW01I-031025-00-T2

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB031225\
Data File : FB031588.D
Signal(s) : FID2B.CH
Acq On : 12 Mar 2025 11:56
Sample : Q1539-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.684	4.621	4.792	BV	23	476	0.12%	0.077%
2	4.805	4.792	4.824	PV	20	134	0.03%	0.022%
3	5.222	5.211	5.236	VV	13	89	0.02%	0.015%
4	5.245	5.236	5.251	PV	18	83	0.02%	0.014%
5	5.533	5.522	5.557	VV	27	346	0.09%	0.056%
6	5.566	5.557	5.612	PV	19	275	0.07%	0.045%
7	5.621	5.612	5.626	VV	23	107	0.03%	0.017%
8	5.633	5.626	5.683	VV	24	399	0.10%	0.065%
9	5.700	5.683	5.717	VV	22	230	0.06%	0.037%
10	5.725	5.717	5.735	VV	24	150	0.04%	0.024%
11	5.796	5.735	5.824	PV	26	621	0.16%	0.101%
12	5.842	5.824	5.861	VV	23	276	0.07%	0.045%
13	5.886	5.861	5.899	VV	26	321	0.08%	0.052%
14	5.914	5.899	5.923	PV	16	150	0.04%	0.024%
15	5.932	5.923	5.948	VV	24	209	0.05%	0.034%
16	5.957	5.948	5.968	VV	19	140	0.04%	0.023%
17	5.976	5.968	6.001	VV	11	178	0.04%	0.029%
18	6.039	6.001	6.082	VV	24	786	0.20%	0.128%
19	6.093	6.082	6.107	VV	21	227	0.06%	0.037%
20	6.123	6.107	6.132	VV	23	243	0.06%	0.040%
21	6.142	6.132	6.157	VV	19	227	0.06%	0.037%
22	6.180	6.157	6.218	VV	32	832	0.21%	0.135%
23	6.228	6.218	6.249	VV	44	540	0.14%	0.088%
24	6.259	6.249	6.268	VV	30	284	0.07%	0.046%
25	6.379	6.268	6.515	VV	257	18014	4.53%	2.928%
26	6.523	6.515	6.532	VV	27	202	0.05%	0.033%
27	6.543	6.532	6.579	VV	33	455	0.11%	0.074%
28	6.589	6.579	6.597	VV	22	132	0.03%	0.021%
29	6.626	6.597	6.667	VV	34	647	0.16%	0.105%
30	6.680	6.667	6.699	VV	22	273	0.07%	0.044%
31	6.713	6.699	6.724	VV	27	273	0.07%	0.044%
32	6.738	6.724	6.748	VV	35	360	0.09%	0.058%
33	6.755	6.748	6.765	VV	31	247	0.06%	0.040%
34	6.791	6.765	6.808	VV	36	665	0.17%	0.108%
35	6.843	6.832	6.853	VV	30	312	0.08%	0.051%
36	6.866	6.853	6.885	VV	33	530	0.13%	0.086%

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37	6.895	6.885	6.915	VV	25	380	0.10%	0.062%
38	6.924	6.915	6.966	VV	26	547	0.14%	0.089%
39	6.975	6.966	6.997	VV	19	234	0.06%	0.038%
40	7.041	6.997	7.056	VV	38	904	0.23%	0.147%
41	7.079	7.056	7.114	VV	46	1260	0.32%	0.205%
42	7.124	7.114	7.132	VV	38	341	0.09%	0.055%
43	7.140	7.132	7.172	VV	36	690	0.17%	0.112%
44	7.184	7.172	7.234	VV	31	750	0.19%	0.122%
45	7.243	7.234	7.262	VV	18	141	0.04%	0.023%
46	7.270	7.262	7.303	PV	30	495	0.12%	0.080%
47	7.313	7.303	7.322	VV	23	206	0.05%	0.034%
48	7.334	7.322	7.365	VV	35	652	0.16%	0.106%
49	7.414	7.365	7.449	VV	46	1765	0.44%	0.287%
50	7.467	7.449	7.512	VV	41	957	0.24%	0.156%
51	7.538	7.512	7.565	VV	26	597	0.15%	0.097%
52	7.585	7.565	7.610	VV	19	296	0.07%	0.048%
53	7.683	7.610	7.707	VV	51	1986	0.50%	0.323%
54	7.728	7.707	7.788	VV	57	2029	0.51%	0.330%
55	7.804	7.788	7.835	VV	41	947	0.24%	0.154%
56	7.874	7.835	7.915	VV	63	2233	0.56%	0.363%
57	7.929	7.915	7.961	VV	59	1009	0.25%	0.164%
58	7.994	7.961	8.038	VV	36	1099	0.28%	0.179%
59	8.061	8.038	8.081	VV	47	854	0.21%	0.139%
60	8.089	8.081	8.097	VV	22	184	0.05%	0.030%
61	8.106	8.097	8.114	VV	26	203	0.05%	0.033%
62	8.135	8.114	8.161	VV	40	786	0.20%	0.128%
63	8.188	8.161	8.203	VV	49	929	0.23%	0.151%
64	8.211	8.203	8.227	VV	49	521	0.13%	0.085%
65	8.253	8.227	8.274	VV	40	805	0.20%	0.131%
66	8.308	8.274	8.317	VV	37	734	0.18%	0.119%
67	8.324	8.317	8.330	VV	31	210	0.05%	0.034%
68	8.383	8.330	8.393	VV	38	1109	0.28%	0.180%
69	8.400	8.393	8.441	VV	35	728	0.18%	0.118%
70	8.465	8.441	8.478	VV	32	524	0.13%	0.085%
71	8.542	8.478	8.581	VV	38	1556	0.39%	0.253%
72	8.610	8.581	8.643	VV	29	761	0.19%	0.124%
73	8.792	8.643	9.022	VV	6709	397891	100.00%	64.675%
74	9.029	9.022	9.062	VV	90	1830	0.46%	0.298%
75	9.071	9.062	9.113	VV	72	1675	0.42%	0.272%
76	9.118	9.113	9.124	VV	46	302	0.08%	0.049%
77	9.135	9.124	9.166	VV	75	1213	0.30%	0.197%
78	9.175	9.166	9.203	VV	45	843	0.21%	0.137%
79	9.224	9.203	9.241	VV	43	668	0.17%	0.109%
80	9.258	9.241	9.287	VV	30	590	0.15%	0.096%
81	9.307	9.287	9.338	VV	28	636	0.16%	0.103%
82	9.398	9.338	9.409	VV	34	1030	0.26%	0.167%
83	9.426	9.409	9.450	VV	38	507	0.13%	0.082%
84	9.460	9.450	9.474	VV	20	249	0.06%	0.041%
85	9.486	9.474	9.497	VV	22	258	0.06%	0.042%
86	9.532	9.497	9.550	VV	42	806	0.20%	0.131%
87	9.582	9.550	9.615	VV	22	763	0.19%	0.124%
88	9.623	9.615	9.650	VV	27	403	0.10%	0.065%
89	9.662	9.650	9.685	VV	27	454	0.11%	0.074%

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90	9.696	9.685	9.723	VV	23	354	0.09%	0.057%
91	9.734	9.723	9.756	VV	29	383	0.10%	0.062%
92	9.775	9.756	9.789	VV	40	521	0.13%	0.085%
93	9.810	9.789	9.828	VV	35	653	0.16%	0.106%
94	9.847	9.828	9.864	VV	39	696	0.17%	0.113%
95	9.874	9.864	9.913	VV	36	868	0.22%	0.141%
96	9.960	9.913	9.984	VV	37	1055	0.27%	0.171%
97	9.993	9.984	10.017	VV	29	399	0.10%	0.065%
98	10.029	10.017	10.038	VV	23	207	0.05%	0.034%
99	10.065	10.038	10.079	VV	23	362	0.09%	0.059%
100	10.094	10.079	10.107	VV	29	269	0.07%	0.044%
101	10.128	10.107	10.139	VV	21	301	0.08%	0.049%
102	10.175	10.139	10.192	VV	34	682	0.17%	0.111%
103	10.216	10.192	10.224	VV	40	518	0.13%	0.084%
104	10.233	10.224	10.259	VV	48	776	0.19%	0.126%
105	10.365	10.259	10.378	VV	109	5252	1.32%	0.854%
106	10.386	10.378	10.521	VV	109	5877	1.48%	0.955%
107	10.531	10.521	10.541	VV	36	367	0.09%	0.060%
108	10.617	10.541	10.706	VV	140	7361	1.85%	1.196%
109	10.725	10.706	10.743	VV	38	644	0.16%	0.105%
110	10.753	10.743	10.770	VV	43	466	0.12%	0.076%
111	10.794	10.770	10.814	VV	35	688	0.17%	0.112%
112	10.839	10.814	10.870	VV	31	696	0.17%	0.113%
113	10.893	10.870	10.919	VV	28	467	0.12%	0.076%
114	10.929	10.919	10.938	VV	20	146	0.04%	0.024%
115	10.964	10.938	10.984	VV	21	452	0.11%	0.074%
116	11.035	10.984	11.047	VV	23	601	0.15%	0.098%
117	11.058	11.047	11.073	VV	26	279	0.07%	0.045%
118	11.086	11.073	11.131	VV	33	565	0.14%	0.092%
119	11.157	11.131	11.178	VV	24	448	0.11%	0.073%
120	11.187	11.178	11.197	VV	21	205	0.05%	0.033%
121	11.206	11.197	11.219	VV	23	237	0.06%	0.039%
122	11.232	11.219	11.265	VV	28	515	0.13%	0.084%
123	11.283	11.265	11.344	VV	22	933	0.23%	0.152%
124	11.421	11.344	11.429	VV	62	2039	0.51%	0.331%
125	11.440	11.429	11.450	VV	74	822	0.21%	0.134%
126	11.473	11.450	11.551	VV	85	3223	0.81%	0.524%
127	11.562	11.551	11.573	VV	41	449	0.11%	0.073%
128	11.587	11.573	11.601	VV	42	479	0.12%	0.078%
129	11.612	11.601	11.641	PV	36	525	0.13%	0.085%
130	11.656	11.641	11.668	VV	26	317	0.08%	0.052%
131	11.683	11.668	11.691	VV	32	352	0.09%	0.057%
132	11.715	11.691	11.737	VV	28	646	0.16%	0.105%
133	11.767	11.737	11.786	VV	30	524	0.13%	0.085%
134	11.803	11.786	11.855	VV	20	762	0.19%	0.124%
135	11.871	11.855	11.898	VV	30	594	0.15%	0.097%
136	11.906	11.898	11.913	VV	24	172	0.04%	0.028%
137	11.922	11.913	11.935	VV	28	271	0.07%	0.044%
138	11.945	11.935	11.961	VV	24	303	0.08%	0.049%
139	11.972	11.961	11.984	VV	23	206	0.05%	0.033%
140	12.002	11.984	12.024	VV	28	371	0.09%	0.060%
141	12.047	12.024	12.074	VV	34	614	0.15%	0.100%

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142	12.090	12.074	12.112	VV	31	376	0.09%	0.061%
143	12.123	12.112	12.146	VV	21	307	0.08%	0.050%
144	12.168	12.146	12.178	VV	20	304	0.08%	0.049%
145	12.195	12.178	12.203	VV	26	263	0.07%	0.043%
146	12.208	12.203	12.227	VV	24	252	0.06%	0.041%
147	12.234	12.227	12.240	VV	21	127	0.03%	0.021%
148	12.250	12.240	12.299	VV	20	587	0.15%	0.095%
149	12.322	12.299	12.343	VV	29	524	0.13%	0.085%
150	12.356	12.343	12.378	VV	37	511	0.13%	0.083%
151	12.384	12.378	12.406	VV	37	381	0.10%	0.062%
152	12.416	12.406	12.442	VV	39	371	0.09%	0.060%
153	12.462	12.442	12.482	PV	38	306	0.08%	0.050%
154	12.496	12.482	12.547	VV	16	606	0.15%	0.098%
155	12.574	12.547	12.590	VV	35	537	0.14%	0.087%
156	12.618	12.590	12.651	PV	35	597	0.15%	0.097%
157	12.704	12.651	12.720	VV	31	964	0.24%	0.157%
158	12.735	12.720	12.830	VV	37	1643	0.41%	0.267%
159	12.859	12.830	12.904	VV	31	1056	0.27%	0.172%
160	12.918	12.904	12.934	VV	26	420	0.11%	0.068%
161	13.030	12.934	13.115	VV	66	4439	1.12%	0.721%
162	13.182	13.115	13.310	VV	136	7781	1.96%	1.265%
163	13.322	13.310	13.392	VV	38	986	0.25%	0.160%
164	13.405	13.392	13.429	VV	23	365	0.09%	0.059%
165	13.456	13.429	13.488	VV	22	531	0.13%	0.086%
166	13.507	13.488	13.525	VV	34	423	0.11%	0.069%
167	13.597	13.525	13.631	VV	24	1160	0.29%	0.189%
168	13.700	13.631	13.747	VV	25	1113	0.28%	0.181%
169	13.762	13.747	13.779	VV	36	407	0.10%	0.066%
170	13.794	13.779	13.820	VV	25	420	0.11%	0.068%
171	13.918	13.820	13.984	VV	122	7421	1.87%	1.206%
172	14.113	13.984	14.290	VV	392	35101	8.82%	5.705%
173	14.300	14.290	14.326	VV	20	324	0.08%	0.053%
174	14.341	14.326	14.359	VV	28	344	0.09%	0.056%
175	14.415	14.359	14.446	VV	31	769	0.19%	0.125%
176	14.469	14.446	14.493	PV	21	424	0.11%	0.069%
177	14.515	14.493	14.556	VV	31	708	0.18%	0.115%
178	14.572	14.556	14.604	VV	25	369	0.09%	0.060%
179	14.613	14.604	14.641	VV	24	284	0.07%	0.046%
180	14.679	14.641	14.707	VV	32	477	0.12%	0.078%
181	14.725	14.707	14.743	VV	8	144	0.04%	0.023%
182	14.796	14.743	14.872	PV	30	1231	0.31%	0.200%
183	14.877	14.872	14.891	VV	24	185	0.05%	0.030%
184	14.913	14.891	14.930	VV	19	303	0.08%	0.049%
185	14.961	14.930	14.981	VV	22	513	0.13%	0.083%
186	15.020	14.981	15.069	VV	21	973	0.24%	0.158%
187	15.088	15.069	15.127	VV	23	644	0.16%	0.105%
188	15.145	15.127	15.177	VV	22	608	0.15%	0.099%
189	15.224	15.177	15.289	VV	32	1261	0.32%	0.205%
190	15.397	15.289	15.497	VV	53	3672	0.92%	0.597%
191	15.511	15.497	15.568	VV	35	788	0.20%	0.128%
192	15.579	15.568	15.651	VV	15	596	0.15%	0.097%
193	15.710	15.651	15.737	PV	24	703	0.18%	0.114%
194	15.799	15.737	15.824	VV	24	836	0.21%	0.136%

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195	15.951	15.824	15.999	VV	40	1934	0.49%	0.314%
196	16.019	15.999	16.035	VV	17	284	0.07%	0.046%
197	16.057	16.035	16.102	VV	23	652	0.16%	0.106%
198	16.199	16.102	16.286	VV	177	9054	2.28%	1.472%
199	16.297	16.286	16.331	VV	17	401	0.10%	0.065%
200	16.367	16.331	16.393	VV	28	581	0.15%	0.094%

Sum of corrected areas: 615215

FB030625.M Thu Mar 13 02:07:16 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: WEST04

ProjectID: Ft Meade Tipton Airfield Parcel RI - PO 0111169

Lab Code: CHEM Case No.: Q1539 SAS No.: Q1539 SDG No.: Q1539

Calibration Sequence : FB030625		Test : Gasoline Range Organics	
Concentration (PPB)	**Area Count**	**Reference Factor**	**File ID**
90	2790097	31001	FB031557.D
180	6158229	34212	FB031558.D
450	15455660	34346	FB031559.D
900	28540252	31711	FB031560.D
45	1778844	39530	FB031561.D
AVG RF : 34160	**% RSD : 9.803**		**AVG RT : 8.7964**

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB030625\
Data File : FB031557.D
Signal(s) : FID2B.CH
Acq On : 6 Mar 2025 10:20
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: Mar 06 12:28:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
Quant Title :
QLast Update : Thu Mar 06 12:27:13 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	8.796	231005	9.583	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.724	362488	14.086	ng/ml
2) t	2,2,4-Trimethylpentane	7.425	471954	13.446	ng/ml
3) t	n-Heptane	7.757	137044	4.462	ng/ml
4) t	Benzene	7.896	192294	4.460	ng/ml
6) t	Toluene	10.624	525311	13.296	ng/ml
7) t	Ethylbenzene	13.061	156539	4.483	ng/ml
8) t	m-Xylene	13.194	340780	8.922	ng/ml
9) t	O-Xylene	13.922	343956	9.366	ng/ml
10) t	1,2,4-Trimethylbenzene	16.199	259731	9.244	ng/ml

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

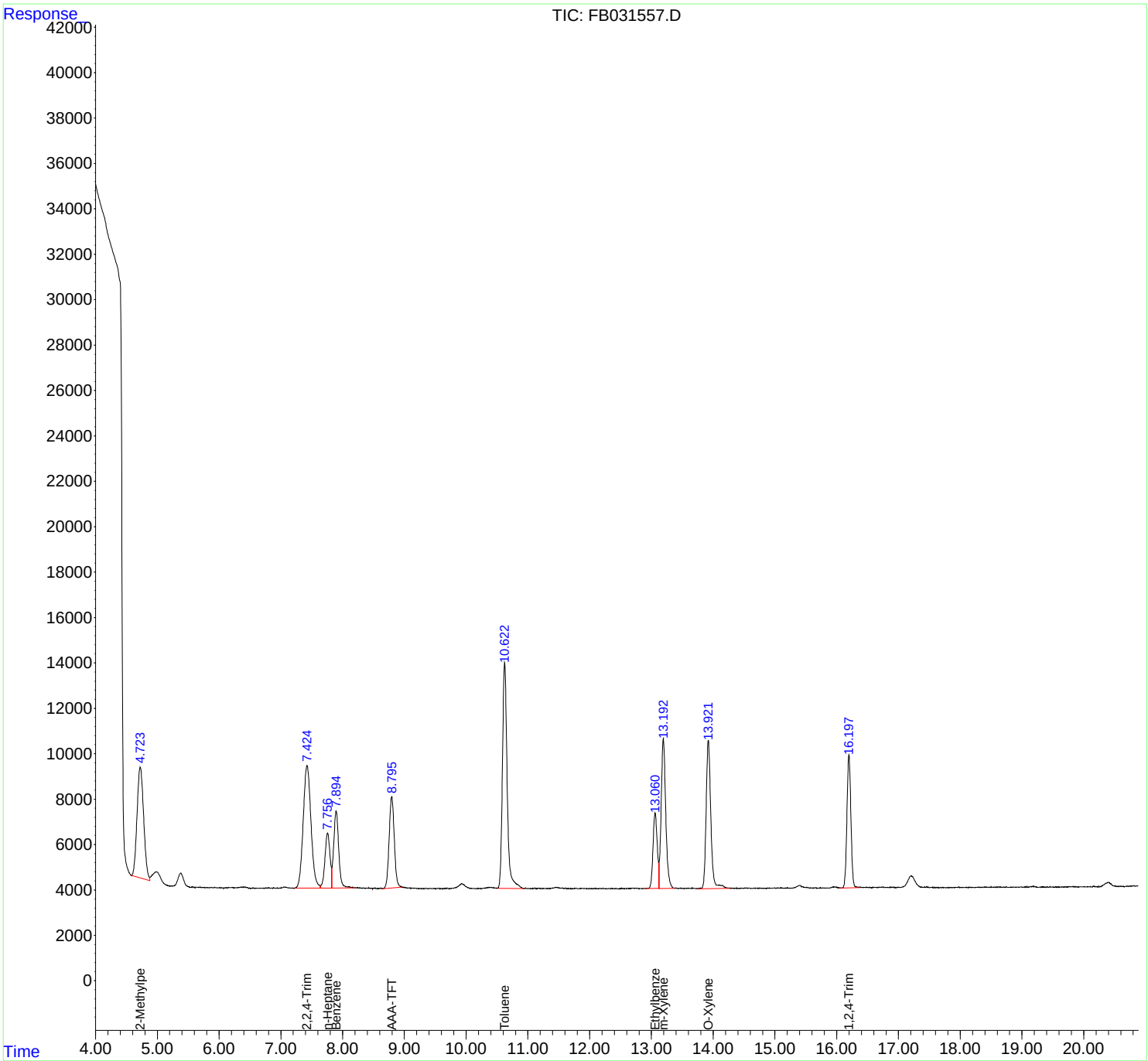
Quantitation Report (QT Reviewed)

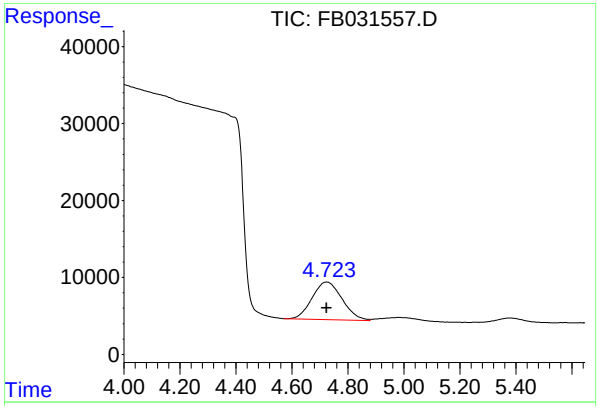
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB030625\
Data File : FB031557.D
Signal(s) : FID2B.CH
Acq On : 6 Mar 2025 10:20
Operator : YP/AJ
Sample : 10 GRO STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
10 GRO STD

Integration File: Calibration.e
Quant Time: Mar 06 12:28:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
Quant Title :
QLast Update : Thu Mar 06 12:27:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

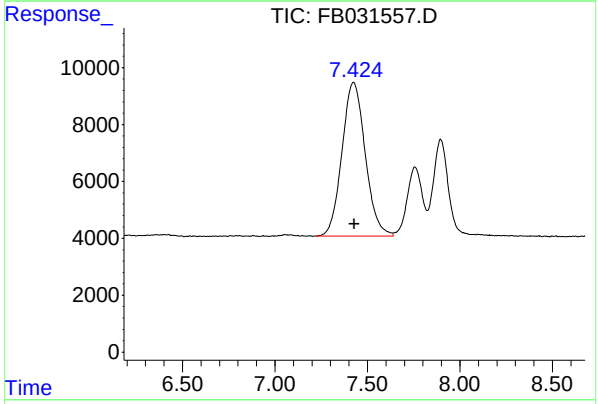




#1 2-Methylpentane

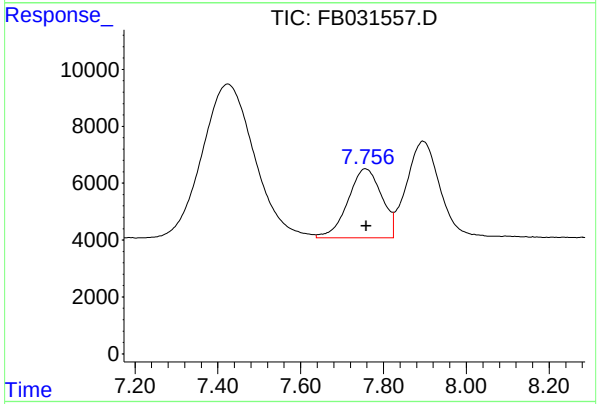
R.T.: 4.724 min
Delta R.T.: 0.000 min
Response: 362488
Conc: 14.09 ng/ml

Instrument :
FID_B
ClientSampleId :
10 GRO STD



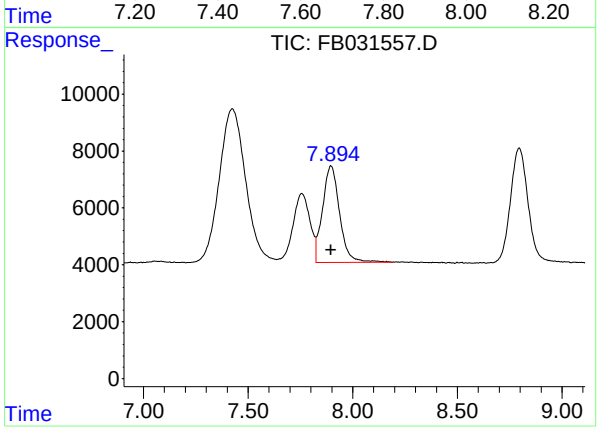
#2 2,2,4-Trimethylpentane

R.T.: 7.425 min
Delta R.T.: -0.003 min
Response: 471954
Conc: 13.45 ng/ml



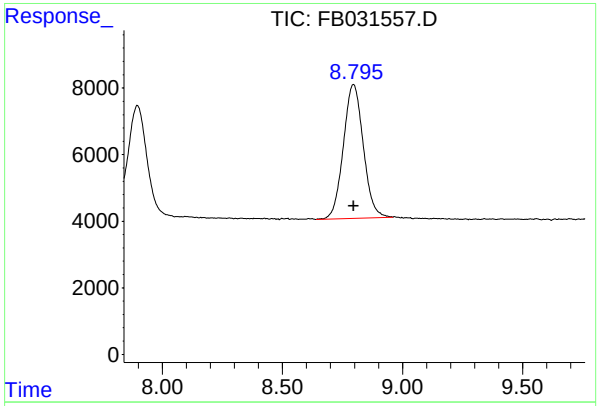
#3 n-Heptane

R.T.: 7.757 min
Delta R.T.: -0.001 min
Response: 137044
Conc: 4.46 ng/ml



#4 Benzene

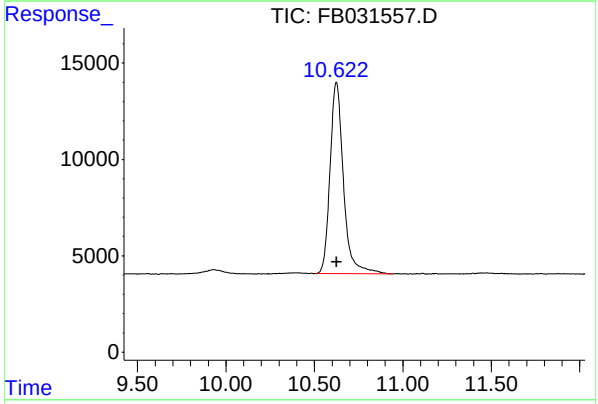
R.T.: 7.896 min
Delta R.T.: -0.001 min
Response: 192294
Conc: 4.46 ng/ml



#5 AAA-TFT

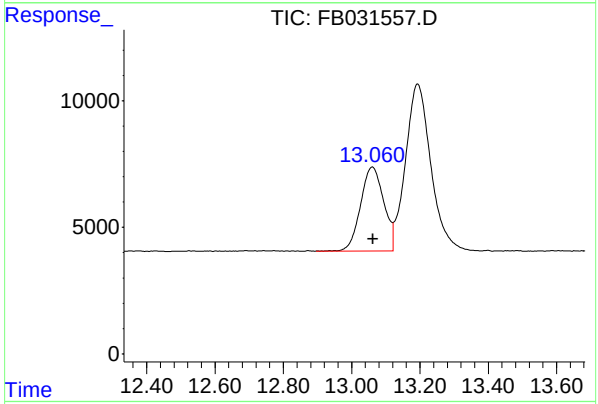
R.T.: 8.796 min
Delta R.T.: 0.000 min
Response: 231005
Conc: 9.58 ng/ml

Instrument :
FID_B
ClientSampleId :
10 GRO STD



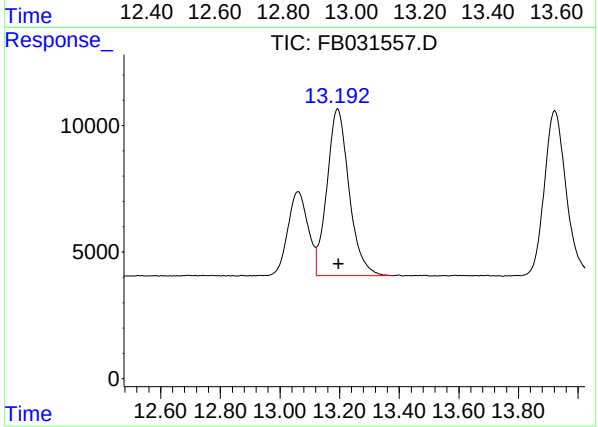
#6 Toluene

R.T.: 10.624 min
Delta R.T.: -0.001 min
Response: 525311
Conc: 13.30 ng/ml



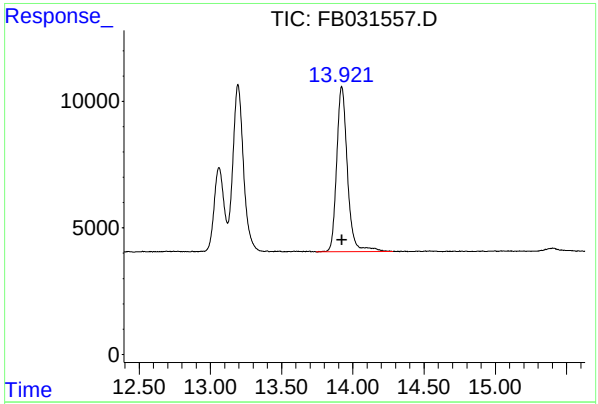
#7 Ethylbenzene

R.T.: 13.061 min
Delta R.T.: -0.001 min
Response: 156539
Conc: 4.48 ng/ml



#8 m-Xylene

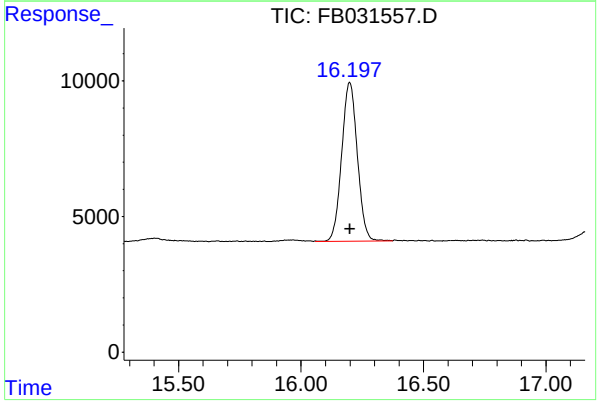
R.T.: 13.194 min
Delta R.T.: -0.002 min
Response: 340780
Conc: 8.92 ng/ml



#9 O-Xylene

R.T.: 13.922 min
Delta R.T.: -0.002 min
Response: 343956
Conc: 9.37 ng/ml

Instrument :
FID_B
ClientSampleId :
10 GRO STD



#10 1,2,4-Trimethylbenzene

R.T.: 16.199 min
Delta R.T.: -0.002 min
Response: 259731
Conc: 9.24 ng/ml

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Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB030625\
Data File : FB031557.D
Signal(s) : FID2B.CH
Acq On : 6 Mar 2025 10:20
Sample : 10 GRO STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.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	4.571	4.879	BV	4881	362488	69.00%	11.999%
2	7.425	7.222	7.638	PV	5411	471954	89.84%	15.622%
3	7.757	7.638	7.824	VV	2424	137044	26.09%	4.536%
4	7.896	7.824	8.192	VV	3393	192294	36.61%	6.365%
5	8.796	8.640	8.960	PV	4018	231005	43.97%	7.646%
6	10.624	10.510	10.944	PV	9940	525311	100.00%	17.388%
7	13.061	12.896	13.121	BV	3325	156539	29.80%	5.182%
8	13.194	13.121	13.380	VV	6601	340780	64.87%	11.280%
9	13.922	13.742	14.282	BB	6531	343956	65.48%	11.385%
10	16.199	16.060	16.375	BV	5850	259731	49.44%	8.597%

Sum of corrected areas: 3021101

FB030625.M Fri Mar 07 07:06:30 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB030625\
Data File : FB031558.D
Signal(s) : FID2B.CH
Acq On : 6 Mar 2025 10:48
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: Mar 06 12:28:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
Quant Title :
QLast Update : Thu Mar 06 12:27:13 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	8.796	482106	20.000	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.724	771999	30.000	ng/ml
2) t	2,2,4-Trimethylpentane	7.428	1053033	30.000	ng/ml
3) t	n-Heptane	7.758	307158	10.000	ng/ml
4) t	Benzene	7.897	431196	10.000	ng/ml
6) t	Toluene	10.625	1185227	30.000	ng/ml
7) t	Ethylbenzene	13.062	349215	10.000	ng/ml
8) t	m-Xylene	13.196	763933	20.000	ng/ml
9) t	O-Xylene	13.925	734501	20.000	ng/ml
10) t	1,2,4-Trimethylbenzene	16.201	561967	20.000	ng/ml

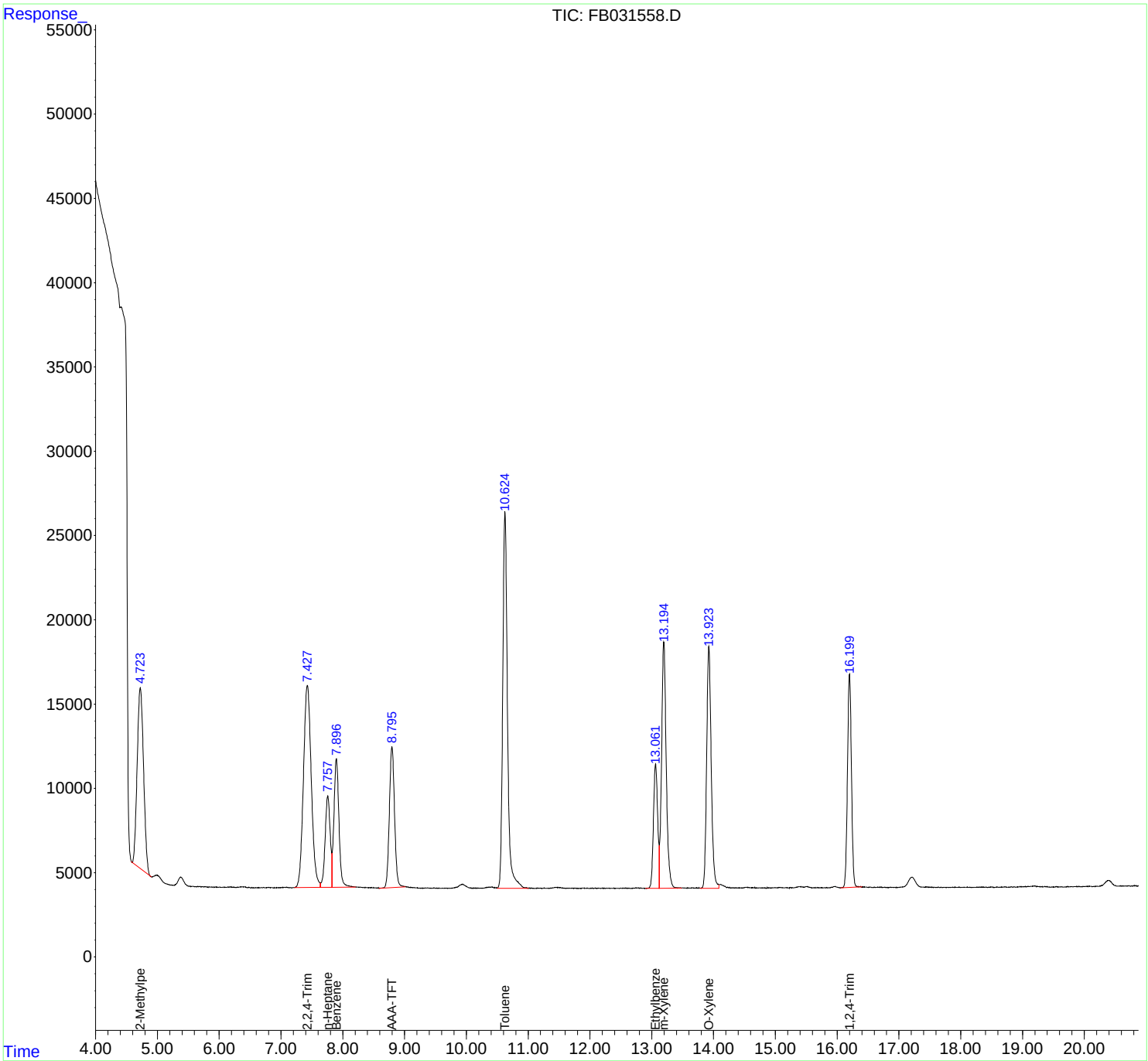
(f)=RT Delta > 1/2 Window (m)=manual int.

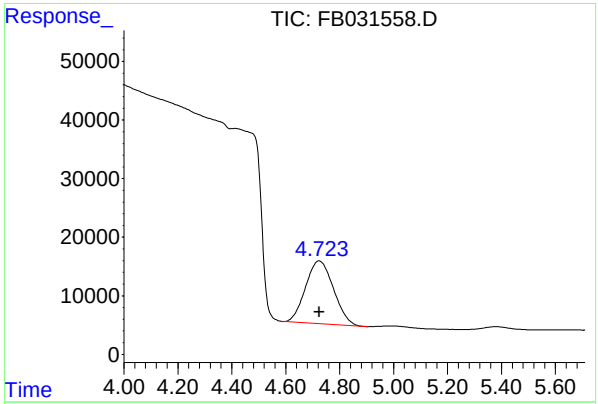
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB030625\
Data File : FB031558.D
Signal(s) : FID2B.CH
Acq On : 6 Mar 2025 10:48
Operator : YP/AJ
Sample : 20 GRO STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 GRO STD

Integration File: Calibration.e
Quant Time: Mar 06 12:28:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
Quant Title :
QLast Update : Thu Mar 06 12:27:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

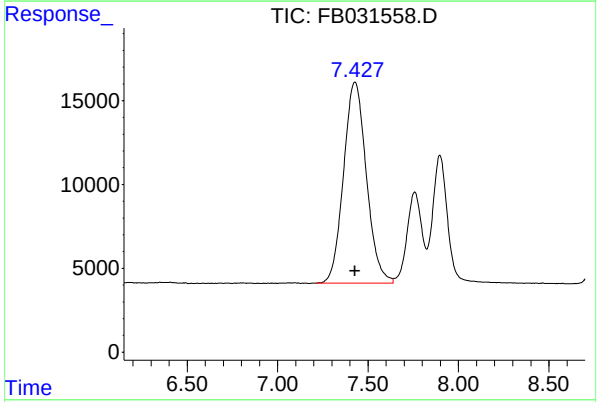




#1 2-Methylpentane

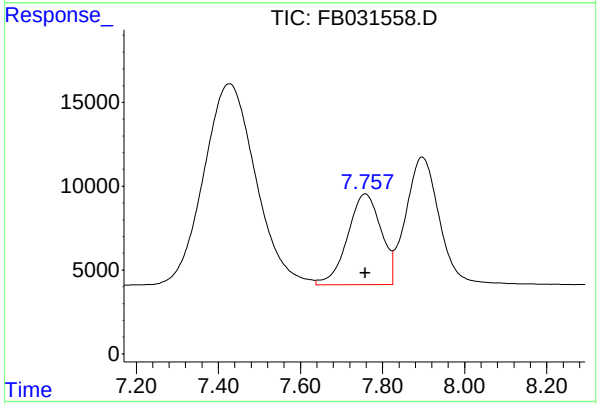
R.T.: 4.724 min
Delta R.T.: 0.000 min
Response: 771999
Conc: 30.00 ng/ml

Instrument :
FID_B
ClientSampleId :
20 GRO STD



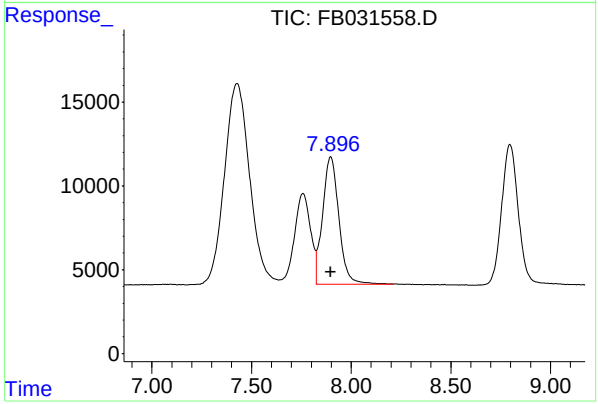
#2 2,2,4-Trimethylpentane

R.T.: 7.428 min
Delta R.T.: 0.000 min
Response: 1053033
Conc: 30.00 ng/ml



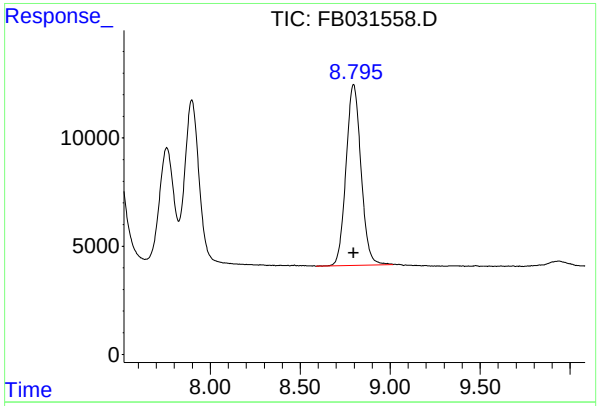
#3 n-Heptane

R.T.: 7.758 min
Delta R.T.: 0.000 min
Response: 307158
Conc: 10.00 ng/ml



#4 Benzene

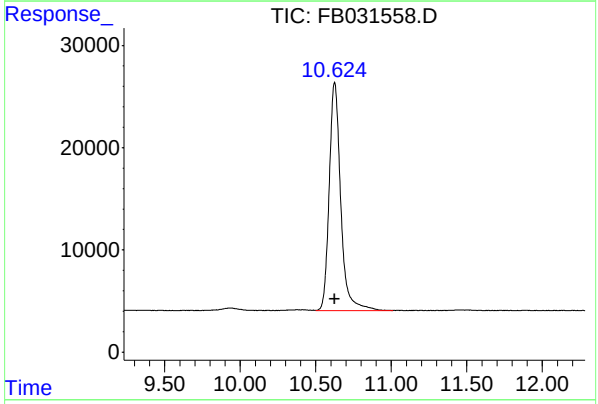
R.T.: 7.897 min
Delta R.T.: 0.000 min
Response: 431196
Conc: 10.00 ng/ml



#5 AAA-TFT

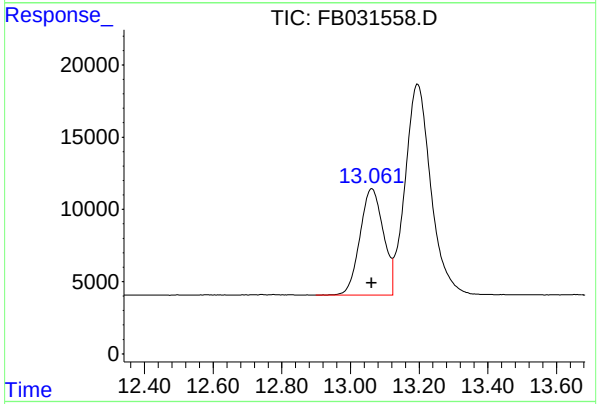
R.T.: 8.796 min
Delta R.T.: 0.000 min
Response: 482106
Conc: 20.00 ng/ml

Instrument :
FID_B
ClientSampleId :
20 GRO STD



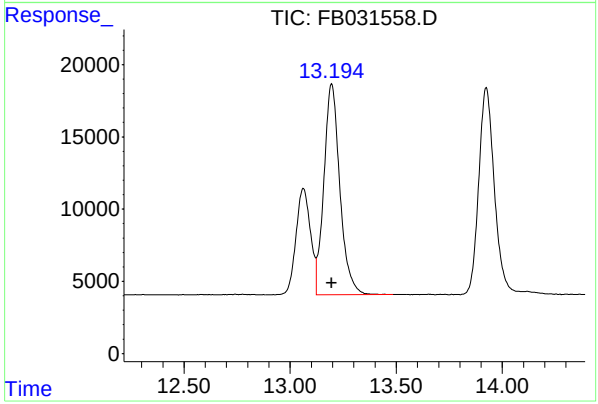
#6 Toluene

R.T.: 10.625 min
Delta R.T.: 0.000 min
Response: 1185227
Conc: 30.00 ng/ml



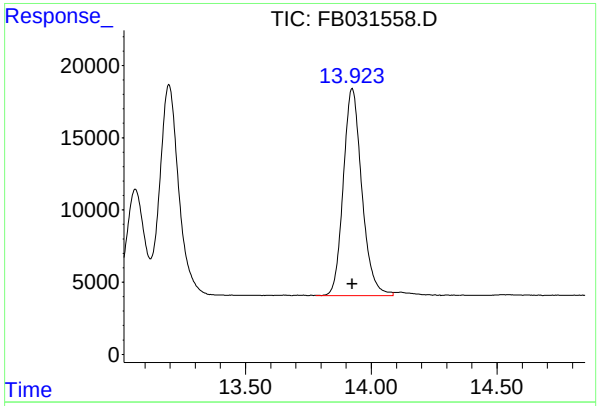
#7 Ethylbenzene

R.T.: 13.062 min
Delta R.T.: 0.000 min
Response: 349215
Conc: 10.00 ng/ml



#8 m-Xylene

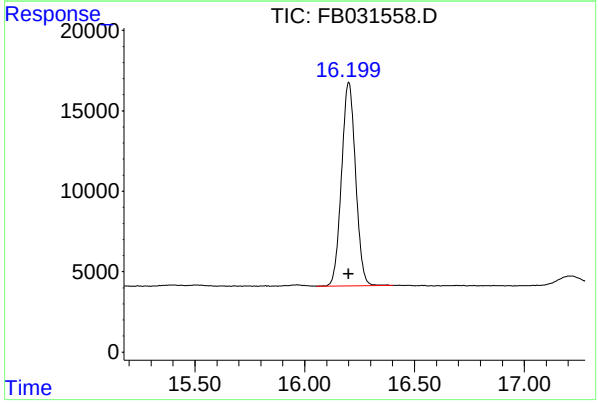
R.T.: 13.196 min
Delta R.T.: 0.000 min
Response: 763933
Conc: 20.00 ng/ml



#9 O-Xylene

R.T.: 13.925 min
Delta R.T.: 0.000 min
Response: 734501
Conc: 20.00 ng/ml

Instrument :
FID_B
ClientSampleId :
20 GRO STD



#10 1,2,4-Trimethylbenzene

R.T.: 16.201 min
Delta R.T.: 0.000 min
Response: 561967
Conc: 20.00 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB030625\
Data File : FB031558.D
Signal(s) : FID2B.CH
Acq On : 6 Mar 2025 10:48
Sample : 20 GRO STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.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	4.905	BV	10729	771999	65.14%	11.626%
2	7.428	7.212	7.638	BV	11991	1053033	88.85%	15.858%
3	7.758	7.638	7.825	VV	5428	307158	25.92%	4.626%
4	7.897	7.825	8.211	VV	7621	431196	36.38%	6.494%
5	8.796	8.588	9.016	PV	8362	482106	40.68%	7.260%
6	10.625	10.501	11.011	VV	22335	1185227	100.00%	17.849%
7	13.062	12.898	13.123	BV	7370	349215	29.46%	5.259%
8	13.196	13.123	13.486	VV	14603	763933	64.45%	11.504%
9	13.925	13.781	14.087	BV	14342	734501	61.97%	11.061%
10	16.201	16.052	16.403	PBA	12661	561967	47.41%	8.463%

Sum of corrected areas: 6640336

FB030625.M Fri Mar 07 07:05:07 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB030625\
Data File : FB031559.D
Signal(s) : FID2B.CH
Acq On : 6 Mar 2025 11:15
Operator : YP/AJ
Sample : 50 GRO STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
50 GRO STD

Integration File: Calibration.e
Quant Time: Mar 06 12:28:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
Quant Title :
QLast Update : Thu Mar 06 12:27:13 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	8.796	1202270	49.876	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.720	1999167	77.688	ng/ml
2) t	2,2,4-Trimethylpentane	7.428	2647964	75.438	ng/ml
3) t	n-Heptane	7.757	804948	26.206	ng/ml
4) t	Benzene	7.896	1078353	25.008	ng/ml
6) t	Toluene	10.626	3006730	76.105	ng/ml
7) t	Ethylbenzene	13.064	874287	25.036	ng/ml
8) t	m-Xylene	13.198	1914646	50.126	ng/ml
9) t	O-Xylene	13.926	1809023	49.259	ng/ml
10) t	1,2,4-Trimethylbenzene	16.202	1320542	46.997	ng/ml

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

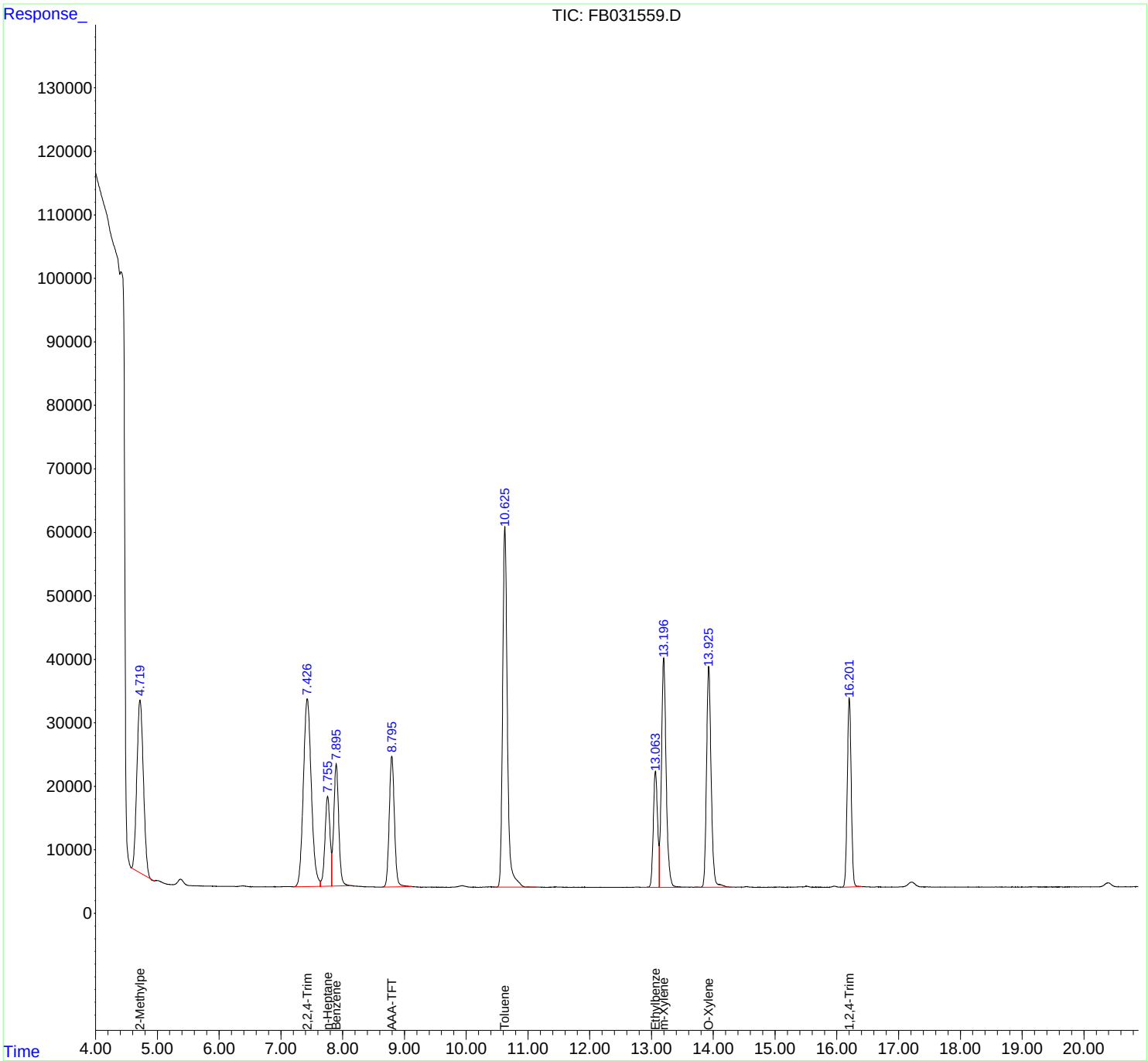
Quantitation Report (QT Reviewed)

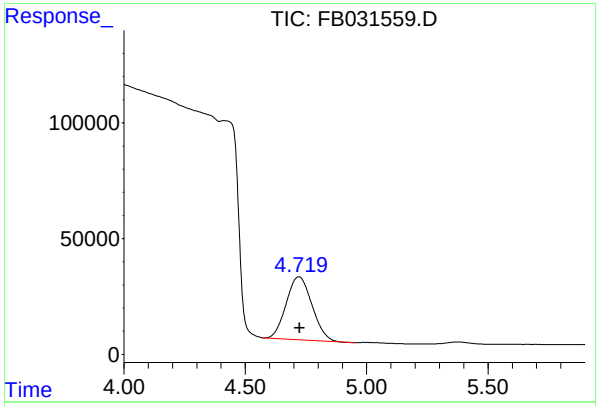
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB030625\
Data File : FB031559.D
Signal(s) : FID2B.CH
Acq On : 6 Mar 2025 11:15
Operator : YP/AJ
Sample : 50 GRO STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
50 GRO STD

Integration File: Calibration.e
Quant Time: Mar 06 12:28:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
Quant Title :
QLast Update : Thu Mar 06 12:27:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

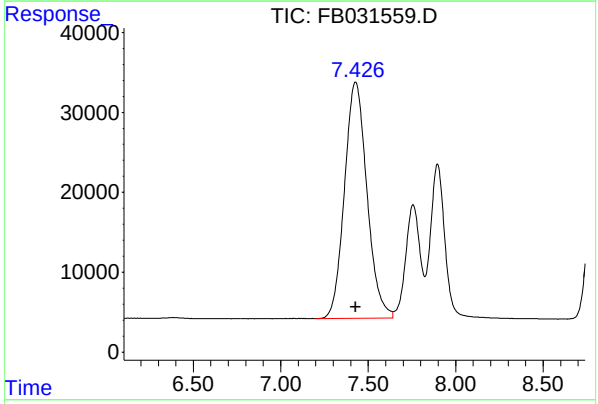




#1 2-Methylpentane

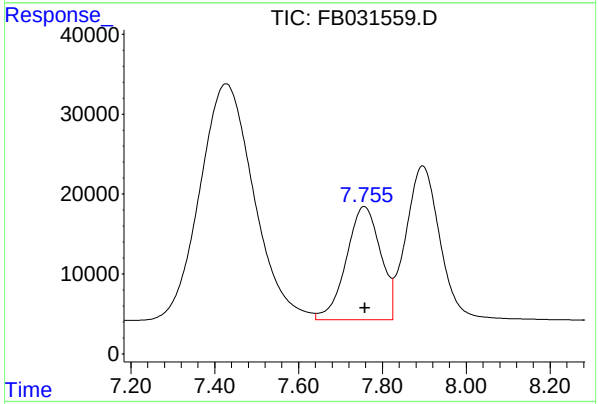
R.T.: 4.720 min
Delta R.T.: -0.004 min
Response: 1999167
Conc: 77.69 ng/ml

Instrument :
FID_B
ClientSampleId :
50 GRO STD



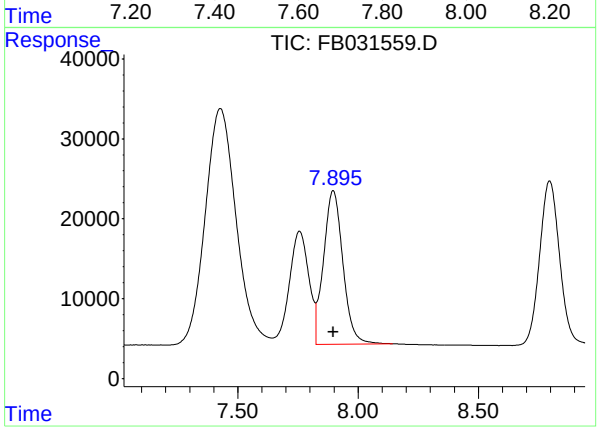
#2 2,2,4-Trimethylpentane

R.T.: 7.428 min
Delta R.T.: 0.000 min
Response: 2647964
Conc: 75.44 ng/ml



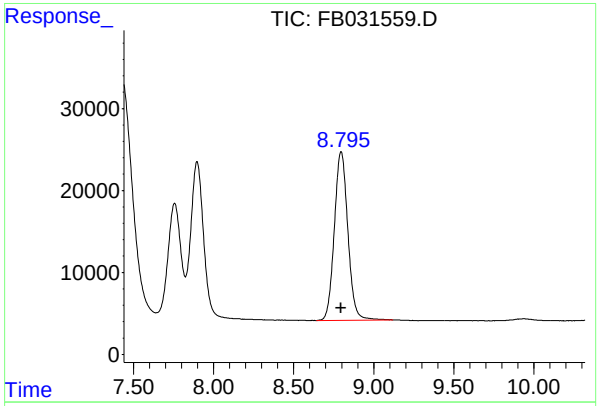
#3 n-Heptane

R.T.: 7.757 min
Delta R.T.: -0.002 min
Response: 804948
Conc: 26.21 ng/ml



#4 Benzene

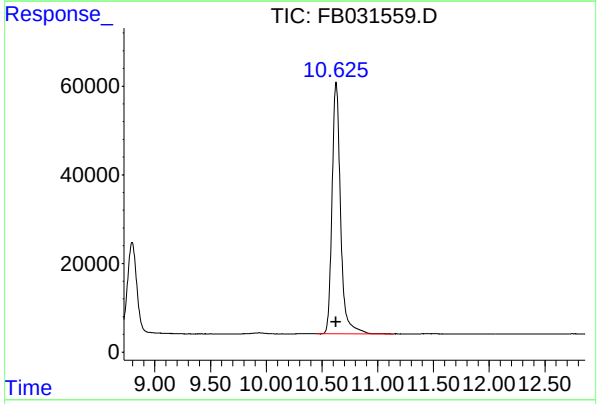
R.T.: 7.896 min
Delta R.T.: 0.000 min
Response: 1078353
Conc: 25.01 ng/ml



#5 AAA-TFT

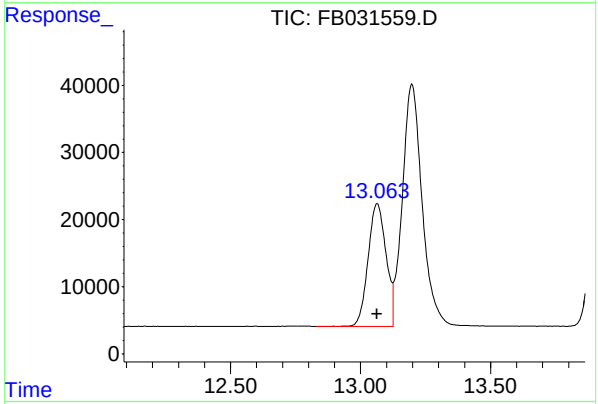
R.T.: 8.796 min
Delta R.T.: 0.000 min
Response: 1202270
Conc: 49.88 ng/ml

Instrument :
FID_B
ClientSampleId :
50 GRO STD



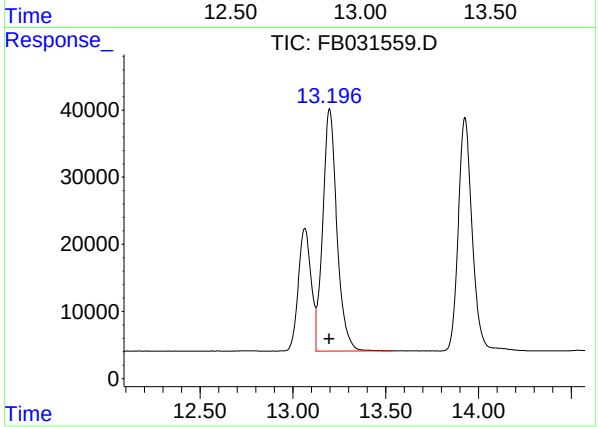
#6 Toluene

R.T.: 10.626 min
Delta R.T.: 0.001 min
Response: 3006730
Conc: 76.11 ng/ml



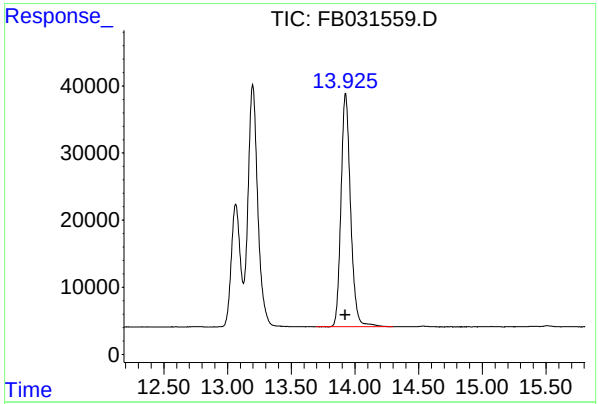
#7 Ethylbenzene

R.T.: 13.064 min
Delta R.T.: 0.002 min
Response: 874287
Conc: 25.04 ng/ml



#8 m-Xylene

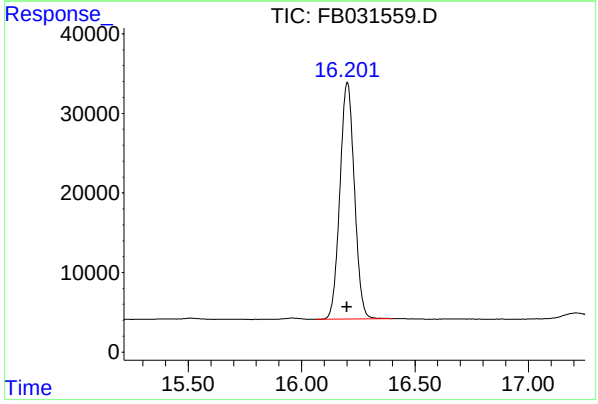
R.T.: 13.198 min
Delta R.T.: 0.002 min
Response: 1914646
Conc: 50.13 ng/ml



#9 O-Xylene

R.T.: 13.926 min
Delta R.T.: 0.002 min
Response: 1809023
Conc: 49.26 ng/ml

Instrument :
FID_B
ClientSampleId :
50 GRO STD



#10 1,2,4-Trimethylbenzene

R.T.: 16.202 min
Delta R.T.: 0.001 min
Response: 1320542
Conc: 47.00 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB030625\
Data File : FB031559.D
Signal(s) : FID2B.CH
Acq On : 6 Mar 2025 11:15
Sample : 50 GRO STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.720	4.571	4.951	BV	27216	1999167	66.49%	12.001%
2	7.428	7.201	7.641	BV	29578	2647964	88.07%	15.896%
3	7.757	7.641	7.825	VV	14169	804948	26.77%	4.832%
4	7.896	7.825	8.144	VV	19241	1078353	35.86%	6.474%
5	8.796	8.641	9.121	PV	20601	1202270	39.99%	7.217%
6	10.626	10.446	11.136	BV	56781	3006730	100.00%	18.050%
7	13.064	12.829	13.124	PV	18304	874287	29.08%	5.248%
8	13.198	13.124	13.538	VV	36098	1914646	63.68%	11.494%
9	13.926	13.694	14.298	BV	34787	1809023	60.17%	10.860%
10	16.202	16.063	16.403	PBA	29763	1320542	43.92%	7.927%

Sum of corrected areas: 16657928

FB030625.M Fri Mar 07 07:07:00 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB030625\
Data File : FB031560.D
Signal(s) : FID2B.CH
Acq On : 6 Mar 2025 11:43
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 03/07/2025
Supervised By :mohammad ahmed 03/08/2025

Integration File: Calibration.e
Quant Time: Mar 06 12:28:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
Quant Title :
QLast Update : Thu Mar 06 12:27:13 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	8.797	2434690	101.002	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.720	3523964	136.942	ng/mlm
2) t	2,2,4-Trimethylpentane	7.433	4723562	134.570	ng/ml
3) t	n-Heptane	7.756	1532649	49.898	ng/ml
4) t	Benzene	7.898	2067734	47.954	ng/ml
6) t	Toluene	10.628	5722349	144.842	ng/ml
7) t	Ethylbenzene	13.066	1652001	47.306	ng/ml
8) t	m-Xylene	13.200	3604686	94.372	ng/ml
9) t	O-Xylene	13.929	3368693	91.727	ng/ml
10) t	1,2,4-Trimethylbenzene	16.204	2344614	83.443	ng/ml

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

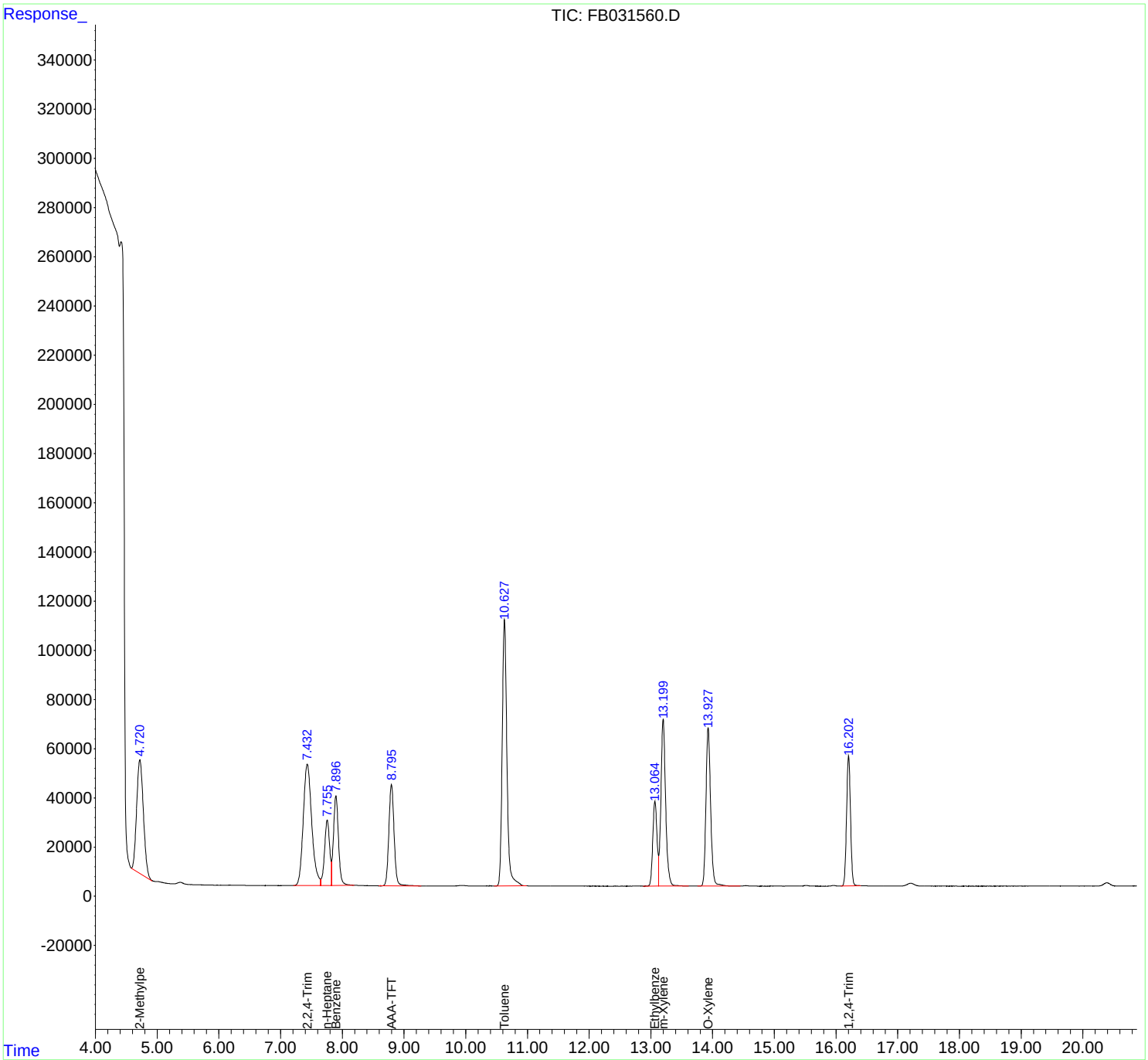
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB030625\
Data File : FB031560.D
Signal(s) : FID2B.CH
Acq On : 6 Mar 2025 11:43
Operator : YP/AJ
Sample : 100 GRO STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

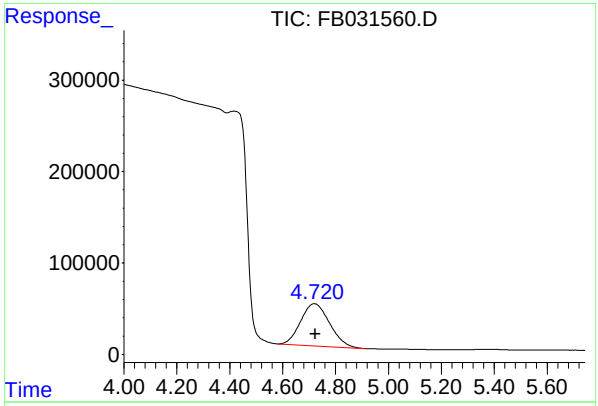
Integration File: Calibration.e
Quant Time: Mar 06 12:28:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
Quant Title :
QLast Update : Thu Mar 06 12:27:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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 03/07/2025
Supervised By :mohammad ahmed 03/08/2025





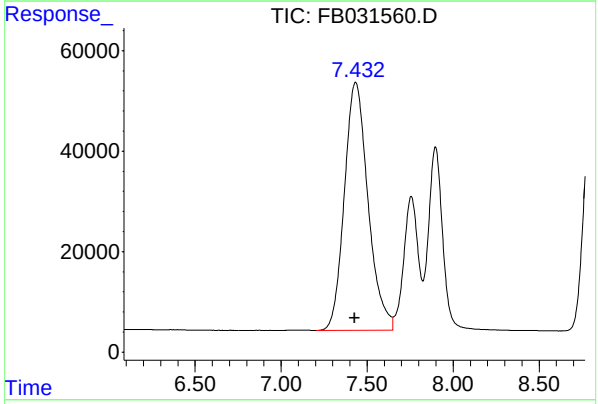
#1 2-Methylpentane

R.T.: 4.720 min
Delta R.T.: -0.004 min
Response: 3523964
Conc: 136.94 ng/ml

Instrument :
FID_B
ClientSampleId :
100 GRO STD

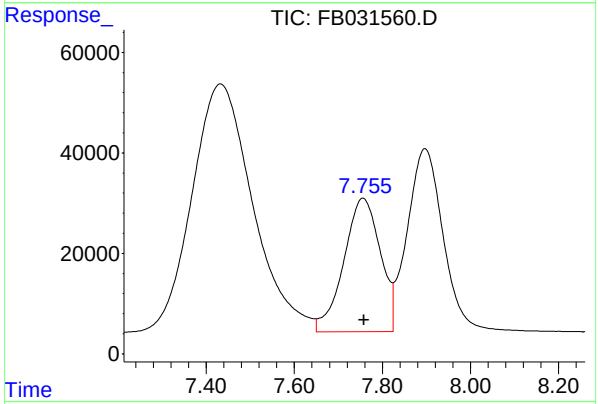
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/07/2025
Supervised By :mohammad ahmed 03/08/2025



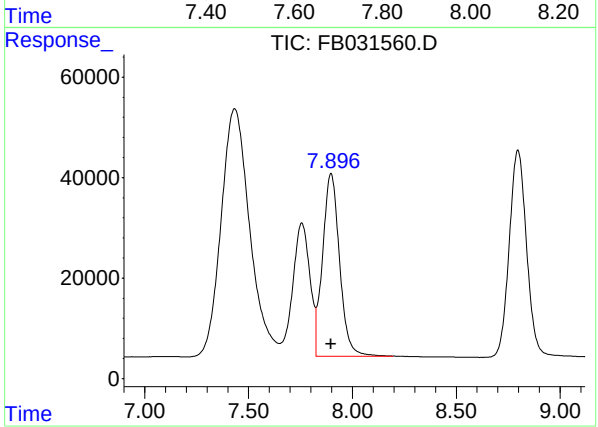
#2 2,2,4-Trimethylpentane

R.T.: 7.433 min
Delta R.T.: 0.005 min
Response: 4723562
Conc: 134.57 ng/ml



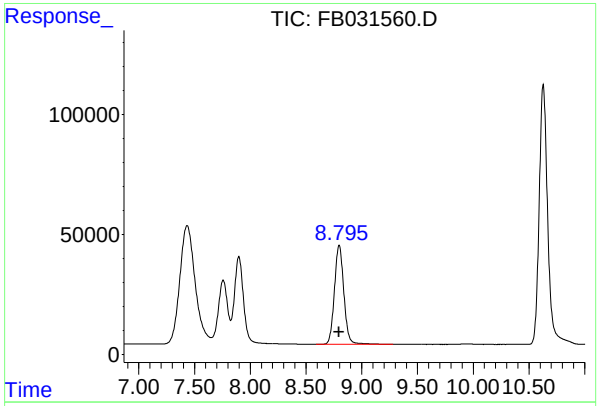
#3 n-Heptane

R.T.: 7.756 min
Delta R.T.: -0.002 min
Response: 1532649
Conc: 49.90 ng/ml



#4 Benzene

R.T.: 7.898 min
Delta R.T.: 0.000 min
Response: 2067734
Conc: 47.95 ng/ml



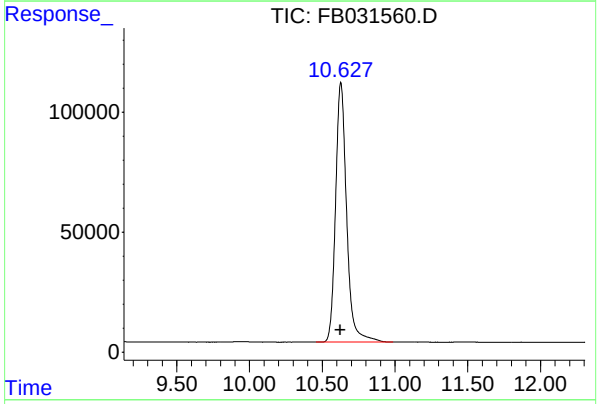
#5 AAA-TFT

R.T.: 8.797 min
Delta R.T.: 0.000 min
Response: 2434690
Conc: 101.00 ng/ml

Instrument :
FID_B
ClientSampleId :
100 GRO STD

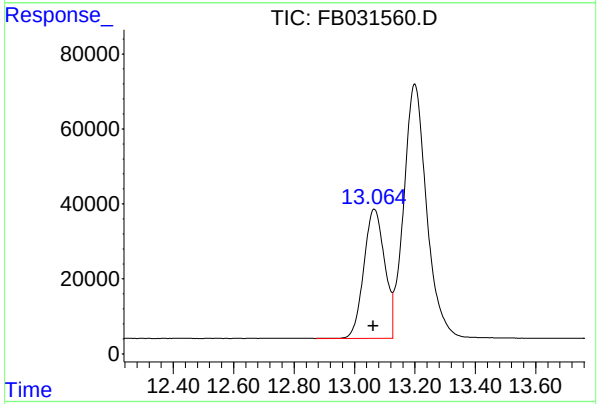
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/07/2025
Supervised By :mohammad ahmed 03/08/2025



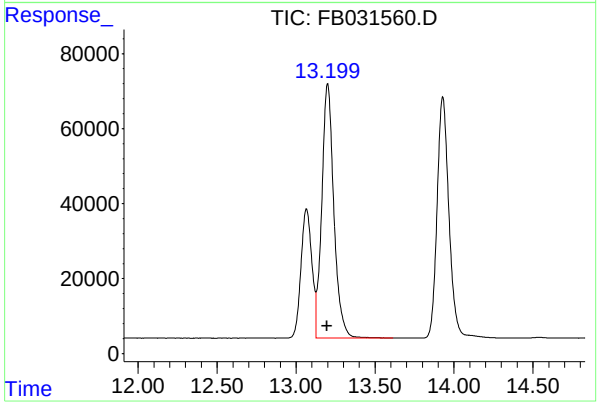
#6 Toluene

R.T.: 10.628 min
Delta R.T.: 0.003 min
Response: 5722349
Conc: 144.84 ng/ml



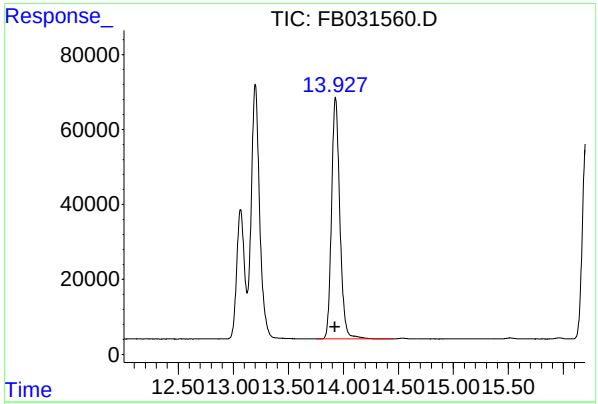
#7 Ethylbenzene

R.T.: 13.066 min
Delta R.T.: 0.004 min
Response: 1652001
Conc: 47.31 ng/ml



#8 m-Xylene

R.T.: 13.200 min
Delta R.T.: 0.004 min
Response: 3604686
Conc: 94.37 ng/ml



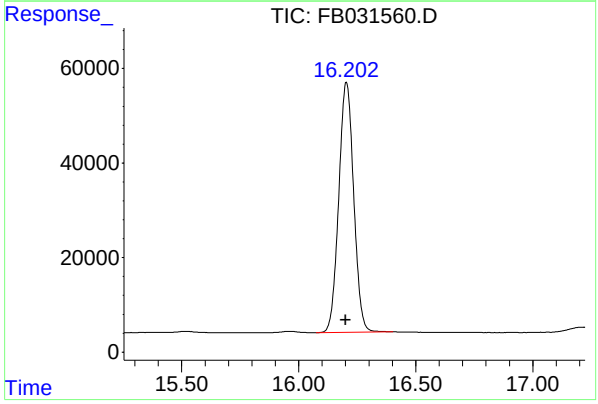
#9 O-Xylene

R.T.: 13.929 min
Delta R.T.: 0.004 min
Response: 3368693
Conc: 91.73 ng/ml

Instrument :
FID_B
ClientSampleId :
100 GRO STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/07/2025
Supervised By :mohammad ahmed 03/08/2025



#10 1,2,4-Trimethylbenzene

R.T.: 16.204 min
Delta R.T.: 0.004 min
Response: 2344614
Conc: 83.44 ng/ml

Instrument :
FID_B
LabSampleId :
100 GRO STD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/07/2025
Supervised By :mohammad ahmed 03/08/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB03062
Data File : FB031560.D
Signal(s) : FID2B.CH
Acq On : 6 Mar 2025 11:43
Sample : 100 GRO STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.720	4.576	4.979	BV	45928	3442453	60.16%	11.143%
2	7.433	7.203	7.650	PV	49400	4723562	82.55%	15.290%
3	7.756	7.650	7.824	VV	26621	1532649	26.78%	4.961%
4	7.898	7.824	8.195	VV	36447	2067734	36.13%	6.693%
5	8.797	8.590	9.280	BV	41317	2434690	42.55%	7.881%
6	10.628	10.457	10.986	BV	108266	5722349	100.00%	18.523%
7	13.066	12.871	13.127	PV	34532	1652001	28.87%	5.347%
8	13.200	13.127	13.614	VV	67860	3604686	62.99%	11.668%
9	13.929	13.753	14.451	BV	64341	3368693	58.87%	10.904%
10	16.204	16.074	16.403	PBA	52892	2344614	40.97%	7.589%

Sum of corrected areas: 30893430

FB030625.M Fri Mar 07 07:07:29 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB030625\
Data File : FB031561.D
Signal(s) : FID2B.CH
Acq On : 6 Mar 2025 13:21
Operator : YP/AJ
Sample : 5 GRO STD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
5 GRO STD

Integration File: Calibration.e
Quant Time: Mar 06 13:15:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
Quant Title :
QLast Update : Thu Mar 06 13:15:47 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	8.797	88124	4.224 ng/ml
	Target Compounds			
1) t	2-Methylpentane	4.726	203387	7.697 ng/ml
2) t	2,2,4-Trimethylpentane	7.421	299942	7.989 ng/ml
3) t	n-Heptane	7.759	84500	2.620 ng/ml
4) t	Benzene	7.896	113143	2.560 ng/ml
6) t	Toluene	10.625	337616	7.989 ng/ml
7) t	Ethylbenzene	13.061	105280	2.733 ng/ml
8) t	m-Xylene	13.194	230607	5.470 ng/ml
9) t	O-Xylene	13.922	217653	5.424 ng/ml
10) t	1,2,4-Trimethylbenzene	16.199	186716	5.706 ng/ml

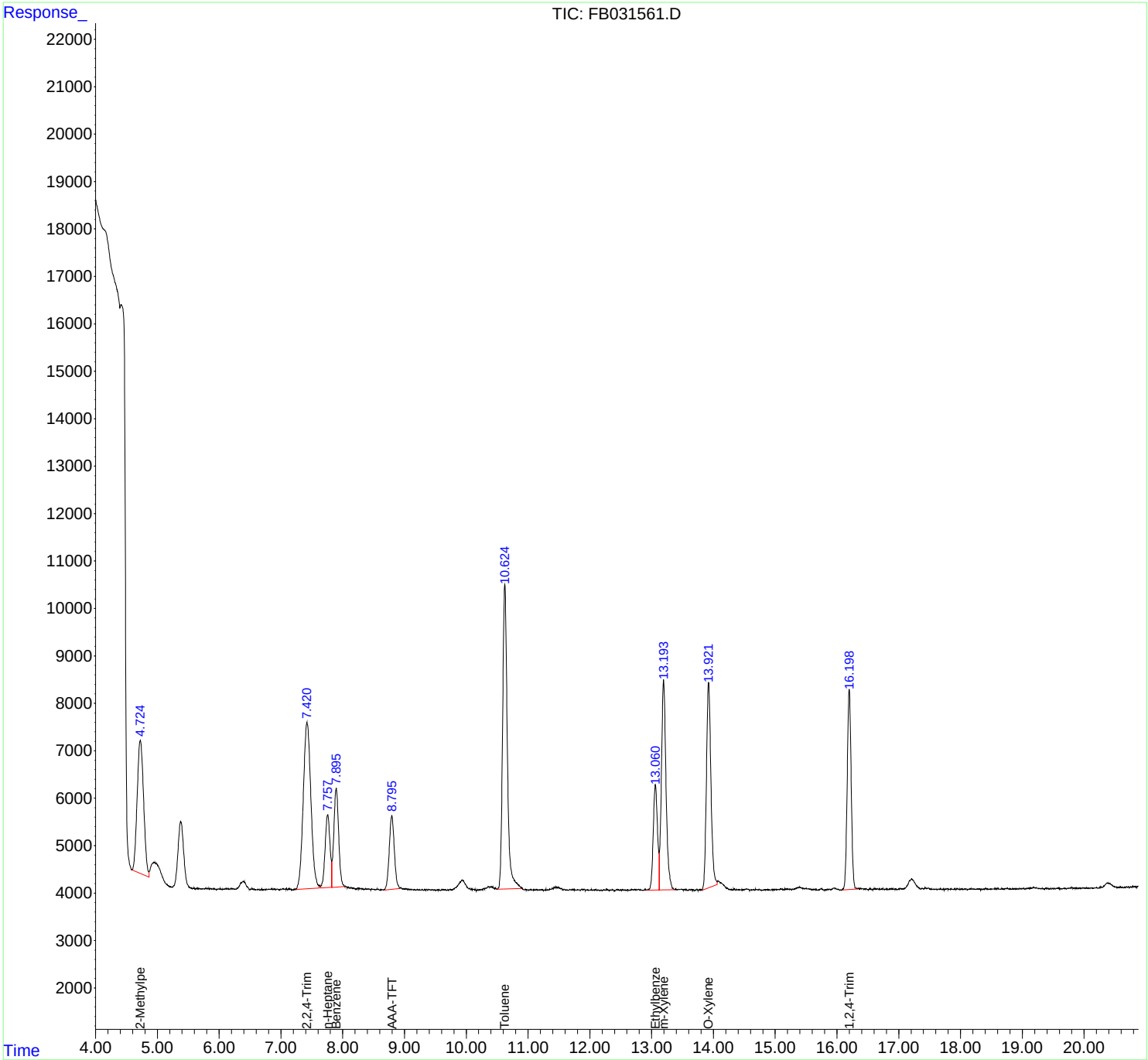
(f)=RT Delta > 1/2 Window (m)=manual int.

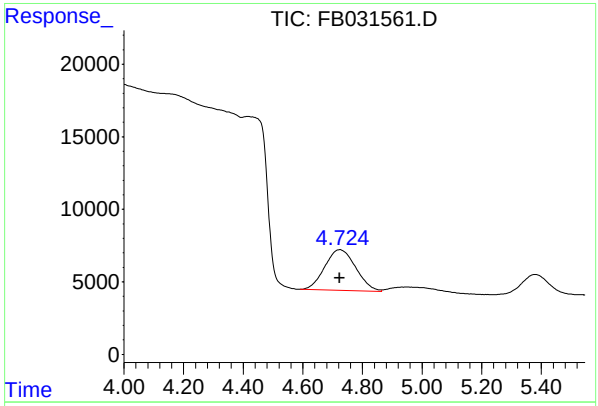
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB030625\
Data File : FB031561.D
Signal(s) : FID2B.CH
Acq On : 6 Mar 2025 13:21
Operator : YP/AJ
Sample : 5 GRO STD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
5 GRO STD

Integration File: Calibration.e
Quant Time: Mar 06 13:15:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
Quant Title :
QLast Update : Thu Mar 06 13:15:47 2025
Response via : Initial Calibration
Integrator: ChemStation

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

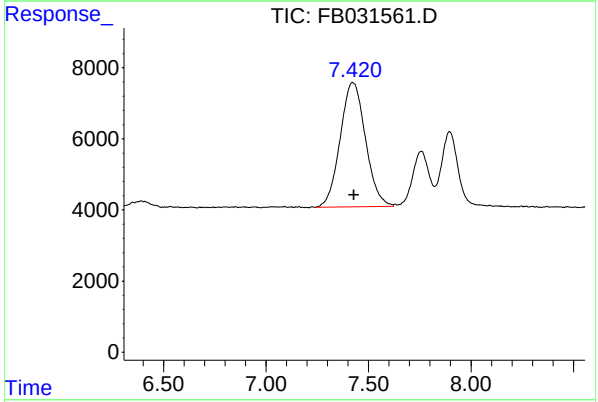




#1 2-Methylpentane

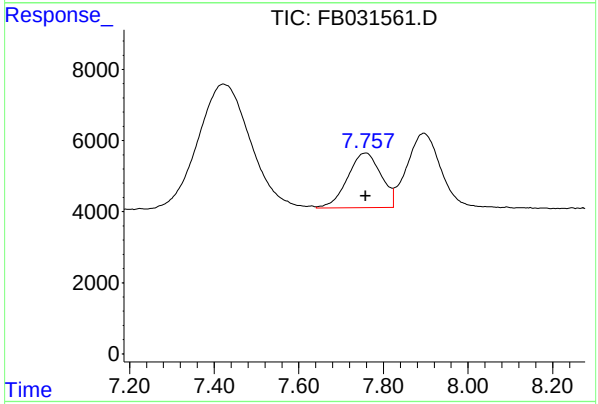
R.T.: 4.726 min
Delta R.T.: 0.002 min
Response: 203387
Conc: 7.70 ng/ml

Instrument :
FID_B
ClientSampleId :
5 GRO STD



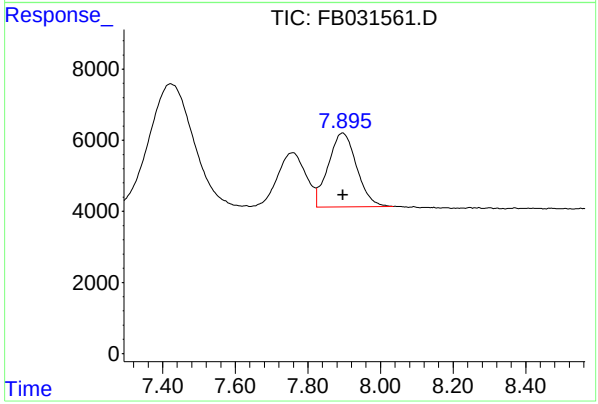
#2 2,2,4-Trimethylpentane

R.T.: 7.421 min
Delta R.T.: -0.007 min
Response: 299942
Conc: 7.99 ng/ml



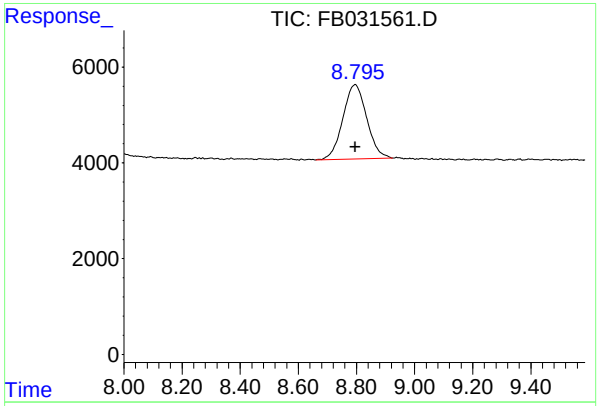
#3 n-Heptane

R.T.: 7.759 min
Delta R.T.: 0.000 min
Response: 84500
Conc: 2.62 ng/ml



#4 Benzene

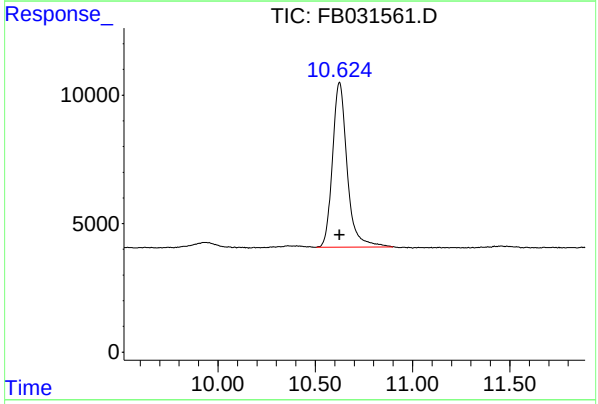
R.T.: 7.896 min
Delta R.T.: 0.000 min
Response: 113143
Conc: 2.56 ng/ml



#5 AAA-TFT

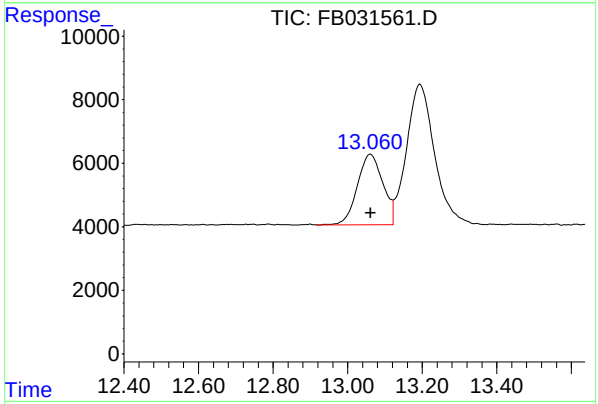
R.T.: 8.797 min
Delta R.T.: 0.000 min
Response: 88124
Conc: 4.22 ng/ml

Instrument :
FID_B
ClientSampleId :
5 GRO STD



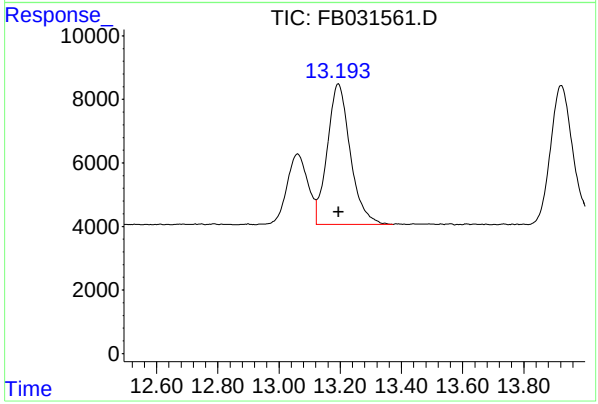
#6 Toluene

R.T.: 10.625 min
Delta R.T.: 0.000 min
Response: 337616
Conc: 7.99 ng/ml



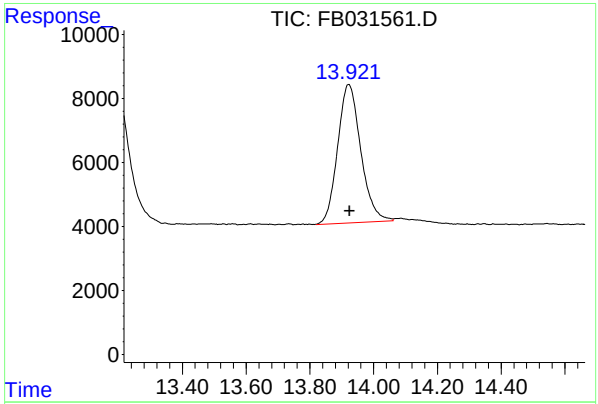
#7 Ethylbenzene

R.T.: 13.061 min
Delta R.T.: -0.001 min
Response: 105280
Conc: 2.73 ng/ml



#8 m-Xylene

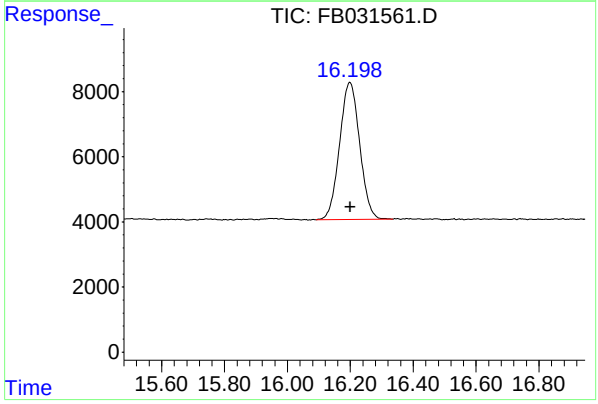
R.T.: 13.194 min
Delta R.T.: -0.002 min
Response: 230607
Conc: 5.47 ng/ml



#9 O-Xylene

R.T.: 13.922 min
Delta R.T.: -0.002 mi
Response: 217653
Conc: 5.42 ng/m

Instrument :
FID_B
ClientSampleId :
5 GRO STD



#10 1,2,4-Trimethylbenzene

R.T.: 16.199 min
Delta R.T.: -0.001 min
Response: 186716
Conc: 5.71 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB030625\
Data File : FB031561.D
Signal(s) : FID2B.CH
Acq On : 6 Mar 2025 13:21
Sample : 5 GRO STD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.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	4.590	4.864	BV	2811	203387	60.24%	10.894%
2	7.421	7.245	7.621	BV	3505	299942	88.84%	16.066%
3	7.759	7.641	7.824	VV	1534	84500	25.03%	4.526%
4	7.896	7.824	8.036	VV	2086	113143	33.51%	6.060%
5	8.797	8.660	8.925	PV	1555	88124	26.10%	4.720%
6	10.625	10.505	10.900	BV	6416	337616	100.00%	18.084%
7	13.061	12.915	13.122	PV	2224	105280	31.18%	5.639%
8	13.194	13.122	13.373	VV	4429	230607	68.30%	12.352%
9	13.922	13.820	14.061	BV	4329	217653	64.47%	11.658%
10	16.199	16.091	16.336	PV	4218	186716	55.30%	10.001%

Sum of corrected areas: 1866969

FB030625.M Fri Mar 07 07:08:05 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB030625\
Data File : FB031562.D
Signal(s) : FID2B.CH
Acq On : 6 Mar 2025 14:05
Operator : YP/AJ
Sample : FB030625GROICV
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
FB030625GROICV

Integration File: Calibration.e
Quant Time: Mar 06 14:29:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
Quant Title :
QLast Update : Thu Mar 06 13:17:04 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	8.796	537116	23.719	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.722	782337	30.760	ng/ml
2) t	2,2,4-Trimethylpentane	7.428	1055396	30.441	ng/ml
3) t	n-Heptane	7.757	316180	10.214	ng/ml
4) t	Benzene	7.897	444101	10.508	ng/ml
6) t	Toluene	10.627	1204147	30.441	ng/ml
7) t	Ethylbenzene	13.063	353160	10.013	ng/ml
8) t	m-Xylene	13.197	774921	20.103	ng/ml
9) t	O-Xylene	13.926	755385	20.469	ng/ml
10) t	1,2,4-Trimethylbenzene	16.202	566978	20.067	ng/ml

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

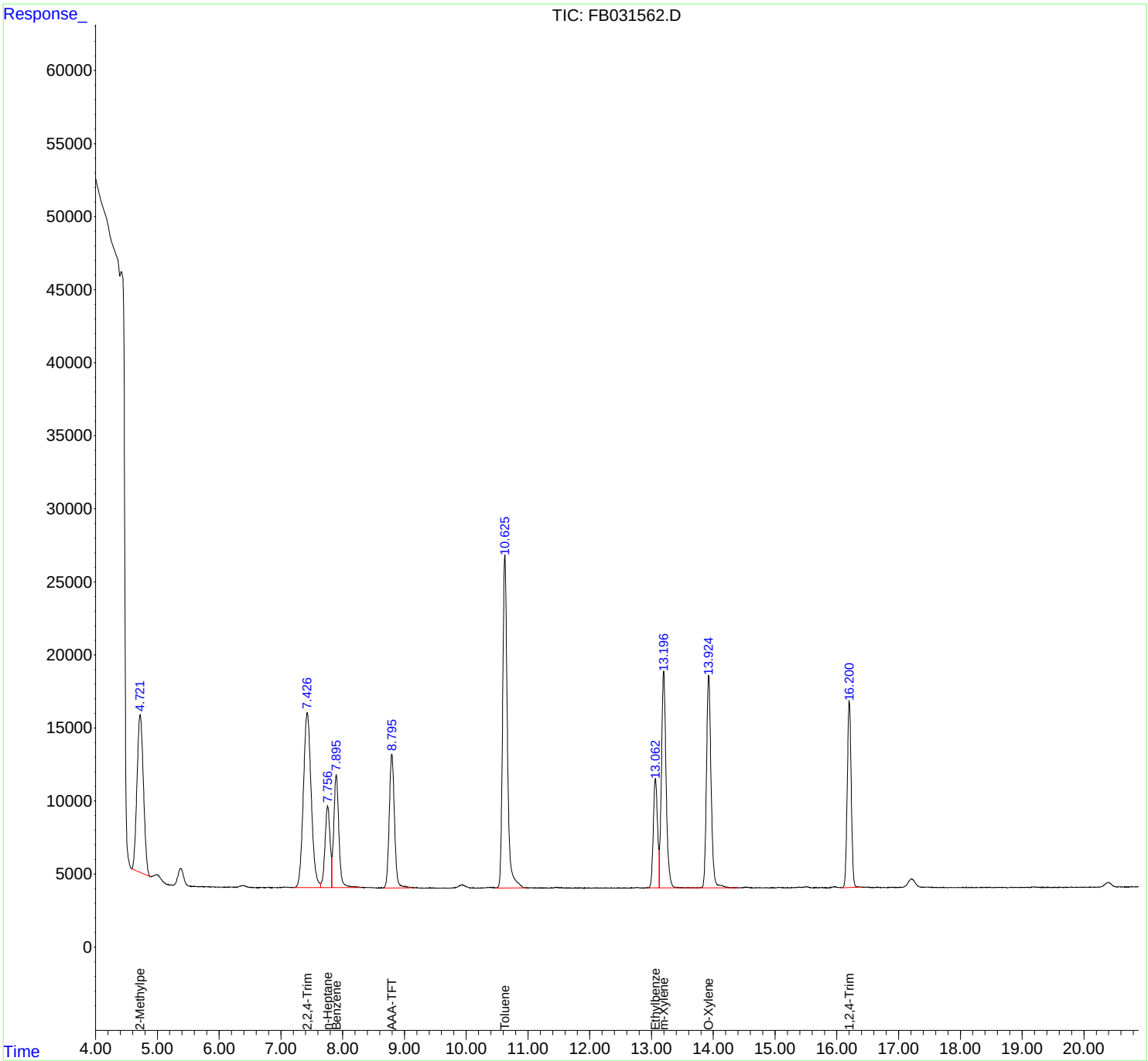
Quantitation Report (QT Reviewed)

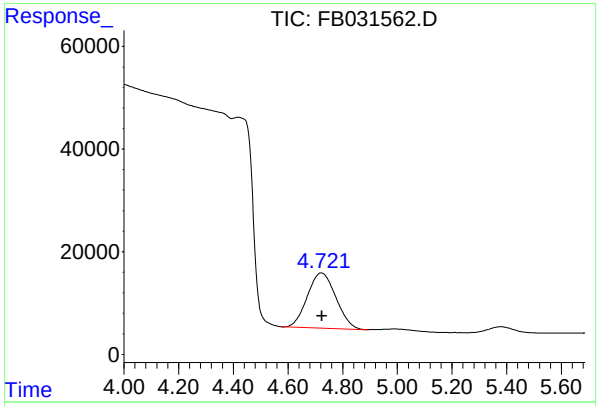
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB030625\
Data File : FB031562.D
Signal(s) : FID2B.CH
Acq On : 6 Mar 2025 14:05
Operator : YP/AJ
Sample : FB030625GROICV
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
FB030625GROICV

Integration File: Calibration.e
Quant Time: Mar 06 14:29:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
Quant Title :
QLast Update : Thu Mar 06 13:17:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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

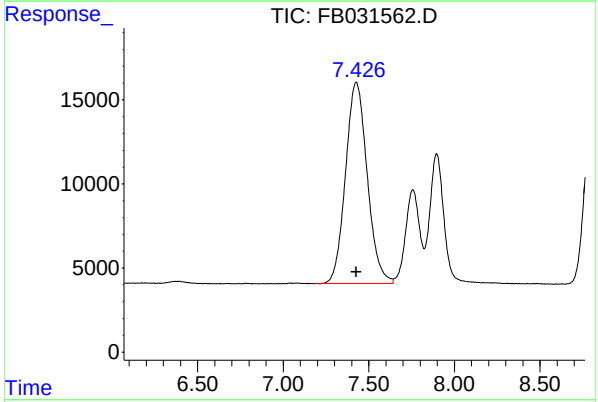




#1 2-Methylpentane

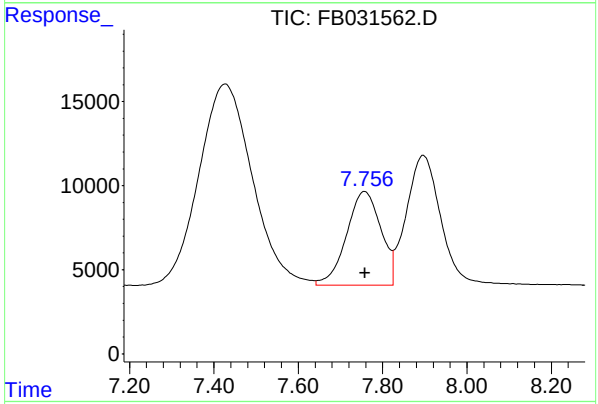
R.T.: 4.722 min
Delta R.T.: -0.002 min
Response: 782337
Conc: 30.76 ng/ml

Instrument :
FID_B
ClientSampleId :
FB030625GROICV



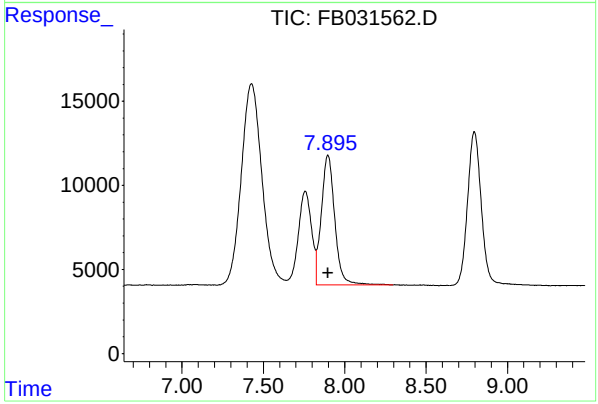
#2 2,2,4-Trimethylpentane

R.T.: 7.428 min
Delta R.T.: 0.000 min
Response: 1055396
Conc: 30.44 ng/ml



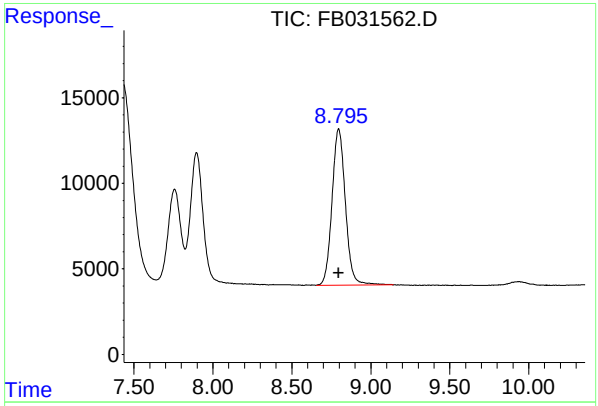
#3 n-Heptane

R.T.: 7.757 min
Delta R.T.: 0.000 min
Response: 316180
Conc: 10.21 ng/ml



#4 Benzene

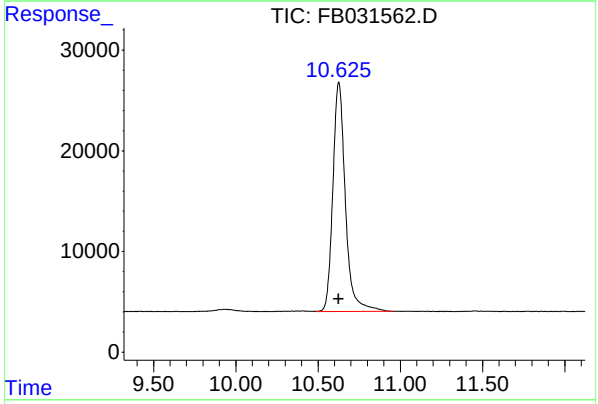
R.T.: 7.897 min
Delta R.T.: 0.000 min
Response: 444101
Conc: 10.51 ng/ml



#5 AAA-TFT

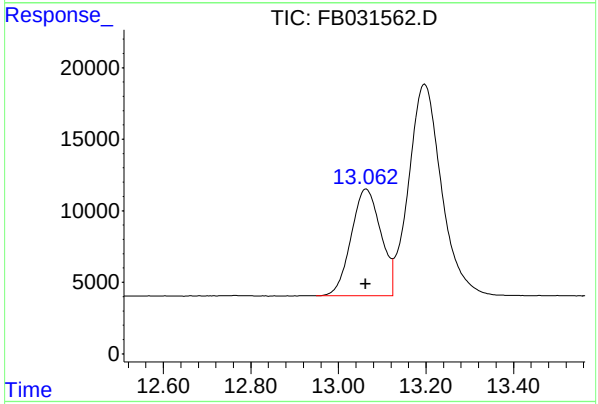
R.T.: 8.796 min
Delta R.T.: 0.000 min
Response: 537116
Conc: 23.72 ng/ml

Instrument :
FID_B
ClientSampleId :
FB030625GROICV



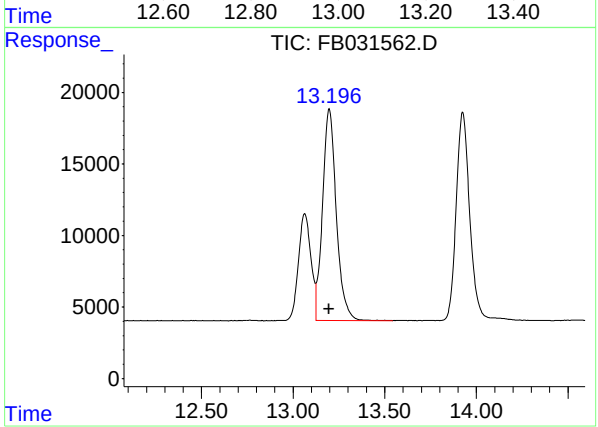
#6 Toluene

R.T.: 10.627 min
Delta R.T.: 0.001 min
Response: 1204147
Conc: 30.44 ng/ml



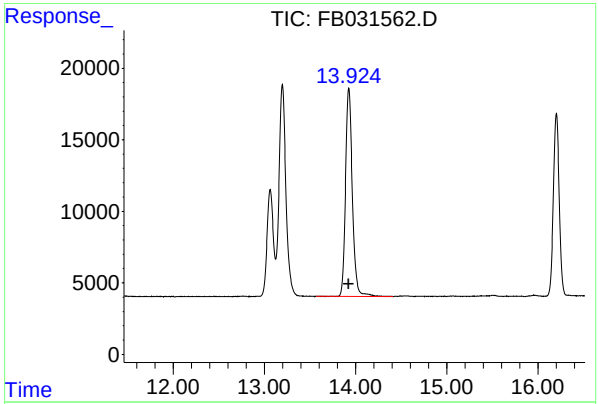
#7 Ethylbenzene

R.T.: 13.063 min
Delta R.T.: 0.000 min
Response: 353160
Conc: 10.01 ng/ml



#8 m-Xylene

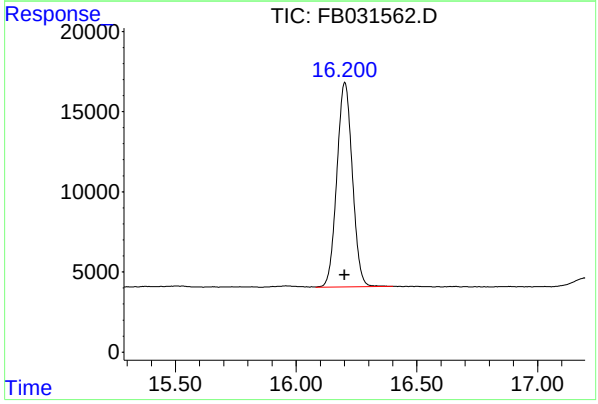
R.T.: 13.197 min
Delta R.T.: 0.001 min
Response: 774921
Conc: 20.10 ng/ml



#9 O-Xylene

R.T.: 13.926 min
Delta R.T.: 0.001 mi
Response: 755385
Conc: 20.47 ng/m

Instrument :
FID_B
ClientSampleId :
FB030625GROICV



#10 1,2,4-Trimethylbenzene

R.T.: 16.202 min
Delta R.T.: 0.001 min
Response: 566978
Conc: 20.07 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB030625\
Data File : FB031562.D
Signal(s) : FID2B.CH
Acq On : 6 Mar 2025 14:05
Sample : FB030625GROICV
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.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	4.576	4.894	BV	10778	782337	64.97%	11.522%
2	7.428	7.192	7.642	BV	11973	1055396	87.65%	15.544%
3	7.757	7.642	7.825	VV	5579	316180	26.26%	4.657%
4	7.897	7.825	8.297	VV	7729	444101	36.88%	6.541%
5	8.796	8.654	9.141	BV	9154	537116	44.61%	7.911%
6	10.627	10.488	10.956	BV	22787	1204147	100.00%	17.735%
7	13.063	12.948	13.124	BV	7476	353160	29.33%	5.201%
8	13.197	13.124	13.544	VB	14810	774921	64.35%	11.413%
9	13.926	13.566	14.410	BB	14557	755385	62.73%	11.125%
10	16.202	16.082	16.401	BBA	12759	566978	47.09%	8.351%

Sum of corrected areas: 6789720

FB030625.M Fri Mar 07 07:08:28 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: WEST04

ProjectID: Ft Meade Tipton Airfield Parcel RI - PO 0111169

Lab Code: CHEM Case No.: Q1539 SAS No.: Q1539 SDG No.: Q1539

DataFile: FB031584.D Analyst Name: YP/AJ Analyst Date: 03-12-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	5756759	31982	33147	3.515

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB031225\
Data File : FB031584.D
Signal(s) : FID2B.CH
Acq On : 12 Mar 2025 9:28
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/13/2025
Supervised By :Ankita Jodhani 03/13/2025

Integration File: Calibration.e
Quant Time: Mar 13 01:15:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
Quant Title :
QLast Update : Thu Mar 06 13:17:04 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	8.790	439090	19.390	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.716	611121	24.028	ng/mlm
2) t	2,2,4-Trimethylpentane	7.419	1010789	29.154	ng/ml
3) t	n-Heptane	7.751	265137	8.565	ng/ml
4) t	Benzene	7.890	392125	9.278	ng/ml
6) t	Toluene	10.619	1142492	28.883	ng/ml
7) t	Ethylbenzene	13.057	341614	9.686	ng/ml
8) t	m-Xylene	13.190	743428	19.286	ng/ml
9) t	O-Xylene	13.919	706383	19.141	ng/ml
10) t	1,2,4-Trimethylbenzene	16.195	543670	19.242	ng/ml

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

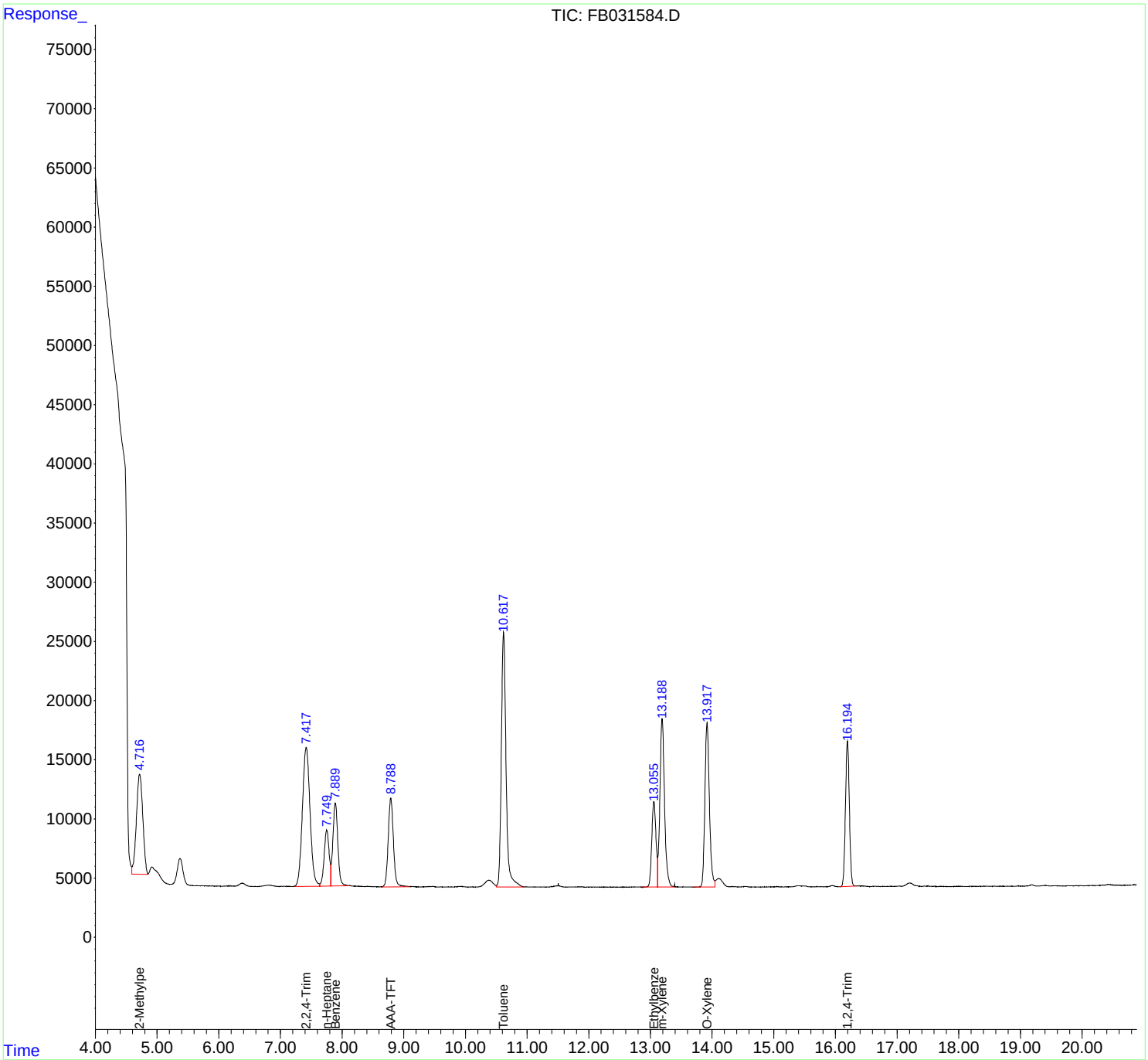
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB031225\
Data File : FB031584.D
Signal(s) : FID2B.CH
Acq On : 12 Mar 2025 9:28
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 9 Sample Multiplier: 1

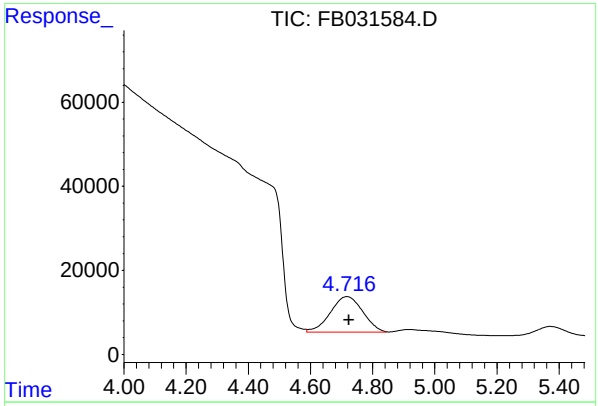
Integration File: Calibration.e
Quant Time: Mar 13 01:15:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
Quant Title :
QLast Update : Thu Mar 06 13:17:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/13/2025
Supervised By :Ankita Jodhani 03/13/2025





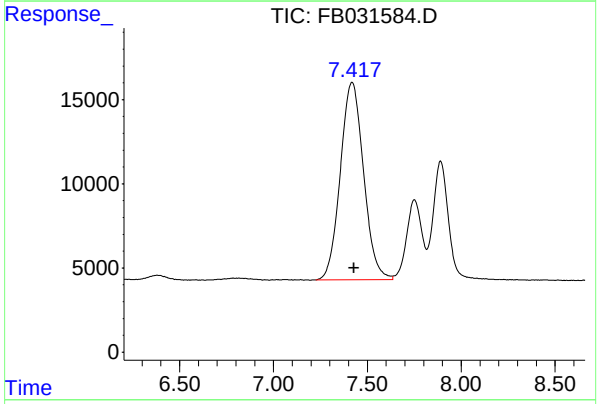
#1 2-Methylpentane

R.T.: 4.716 min
Delta R.T.: -0.008 min
Response: 611121
Conc: 24.03 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

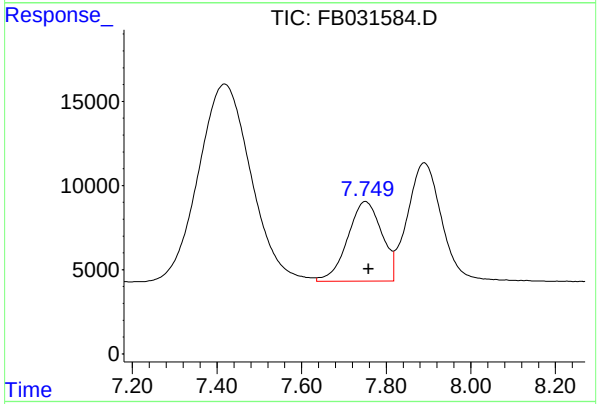
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/13/2025
Supervised By :Ankita Jodhani 03/13/2025



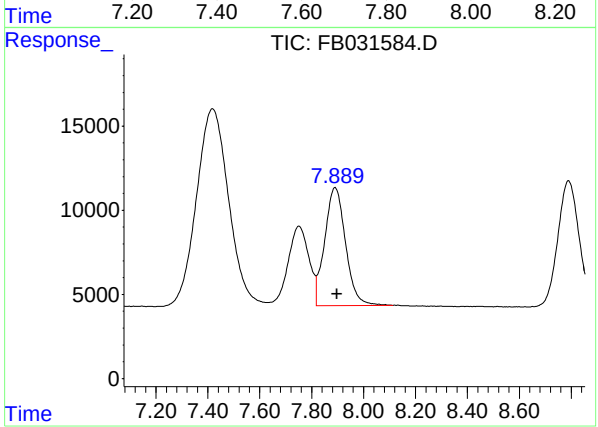
#2 2,2,4-Trimethylpentane

R.T.: 7.419 min
Delta R.T.: -0.010 min
Response: 1010789
Conc: 29.15 ng/ml



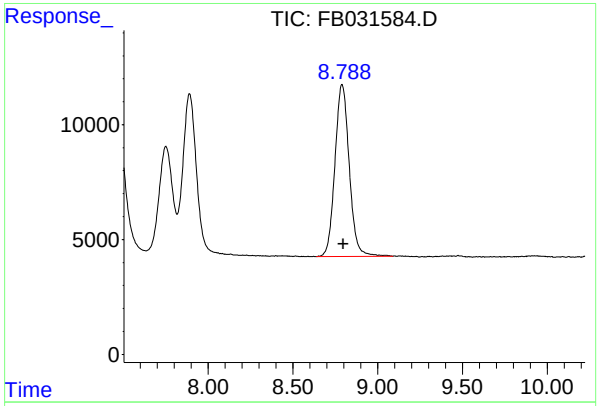
#3 n-Heptane

R.T.: 7.751 min
Delta R.T.: -0.007 min
Response: 265137
Conc: 8.57 ng/ml



#4 Benzene

R.T.: 7.890 min
Delta R.T.: -0.007 min
Response: 392125
Conc: 9.28 ng/ml



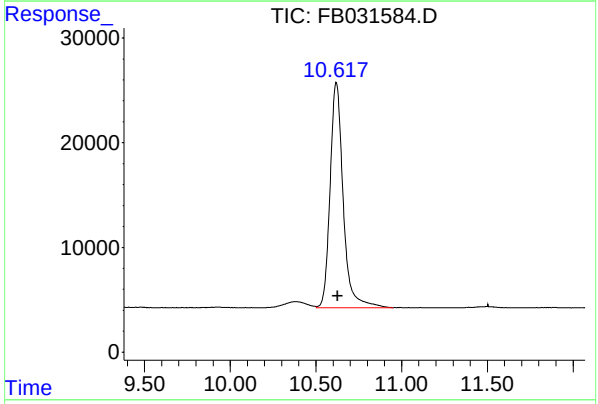
#5 AAA-TFT

R.T.: 8.790 min
Delta R.T.: -0.007 min
Response: 439090
Conc: 19.39 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

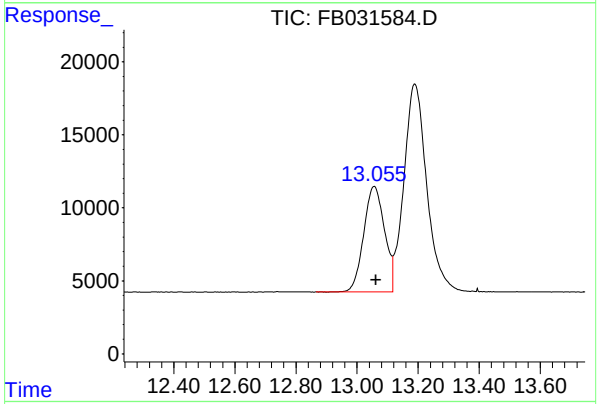
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/13/2025
Supervised By :Ankita Jodhani 03/13/2025



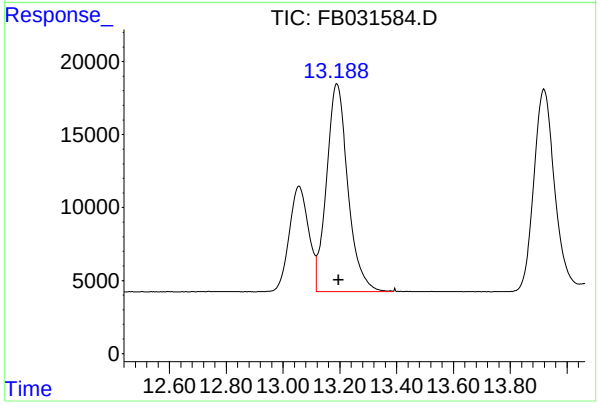
#6 Toluene

R.T.: 10.619 min
Delta R.T.: -0.007 min
Response: 1142492
Conc: 28.88 ng/ml



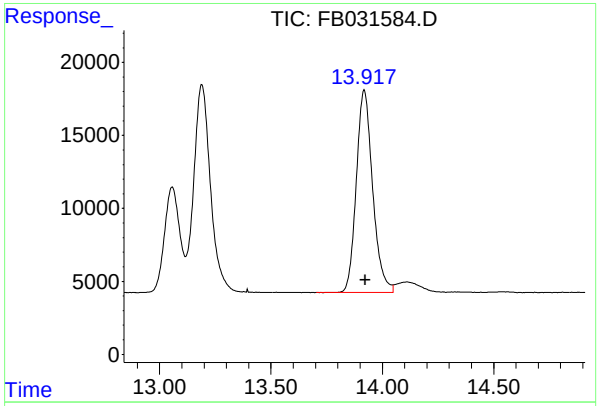
#7 Ethylbenzene

R.T.: 13.057 min
Delta R.T.: -0.006 min
Response: 341614
Conc: 9.69 ng/ml



#8 m-Xylene

R.T.: 13.190 min
Delta R.T.: -0.006 min
Response: 743428
Conc: 19.29 ng/ml



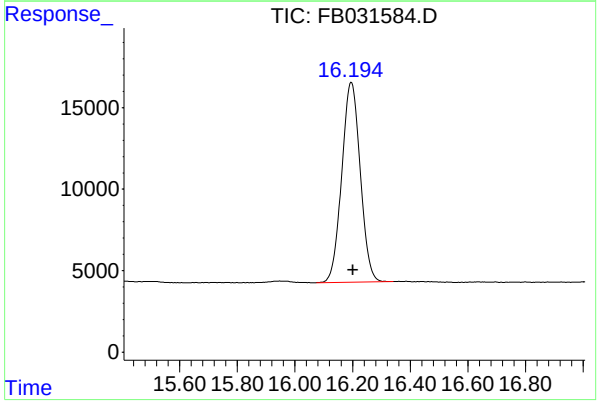
#9 O-Xylene

R.T.: 13.919 min
Delta R.T.: -0.006 min
Response: 706383
Conc: 19.14 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/13/2025
Supervised By :Ankita Jodhani 03/13/2025



#10 1,2,4-Trimethylbenzene

R.T.: 16.195 min
Delta R.T.: -0.005 min
Response: 543670
Conc: 19.24 ng/ml

Instrument :
FID_B
LabSampleId :
20 PPB GRO STD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/13/2025
Supervised By :Ankita Jodhani 03/13/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB03122
Data File : FB031584.D
Signal(s) : FID2B.CH
Acq On : 12 Mar 2025 9:28
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.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	4.587	4.854	BV	8128	561880	49.18%	9.141%
2	7.419	7.225	7.635	VV	11744	1010789	88.47%	16.445%
3	7.751	7.635	7.817	VV	4739	265137	23.21%	4.314%
4	7.890	7.817	8.114	VV	7020	392125	34.32%	6.380%
5	8.790	8.637	9.091	BV	7497	439090	38.43%	7.144%
6	10.619	10.502	10.951	VV	21538	1142492	100.00%	18.587%
7	13.057	12.865	13.117	BV	7234	341614	29.90%	5.558%
8	13.190	13.117	13.388	VV	14245	743428	65.07%	12.095%
9	13.919	13.703	14.048	BV	13863	706383	61.83%	11.492%
10	16.195	16.074	16.341	BV	12274	543670	47.59%	8.845%

Sum of corrected areas: 6146609

FB030625.M Thu Mar 13 02:04:19 2025

Page 1

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: WEST04

ProjectID: Ft Meade Tipton Airfield Parcel RI - PO 0111169

Lab Code: CHEM Case No.: Q1539 SAS No.: Q1539 SDG No.: Q1539

DataFile: FB031590.D Analyst Name: YP/AJ Analyst Date: 03-12-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	6939403	38552	33147	16.306

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB031225\
Data File : FB031590.D
Signal(s) : FID2B.CH
Acq On : 12 Mar 2025 13:17
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Mar 13 01:46:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
Quant Title :
QLast Update : Thu Mar 06 13:17:04 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	414654	18.311	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.722	1077571	42.369	ng/ml
2) t	2,2,4-Trimethylpentane	7.423	1235185	35.626	ng/ml
3) t	n-Heptane	7.755	370589	11.972	ng/ml
4) t	Benzene	7.894	459271	10.866	ng/ml
6) t	Toluene	10.622	1278538	32.322	ng/ml
7) t	Ethylbenzene	13.059	371455	10.532	ng/ml
8) t	m-Xylene	13.193	814224	21.123	ng/ml
9) t	O-Xylene	13.920	765753	20.750	ng/ml
10) t	1,2,4-Trimethylbenzene	16.196	566817	20.061	ng/ml

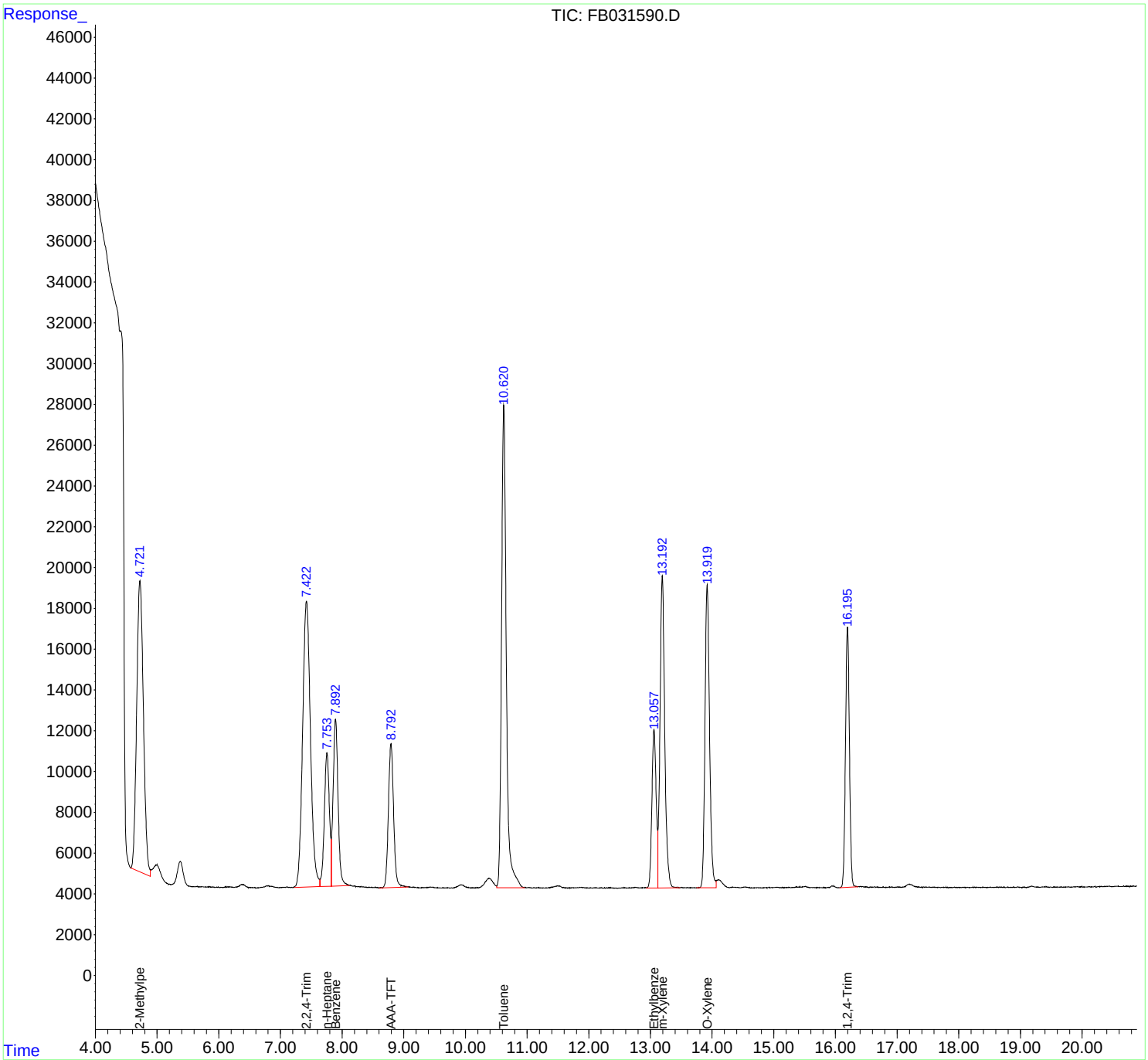
(f)=RT Delta > 1/2 Window (m)=manual int.

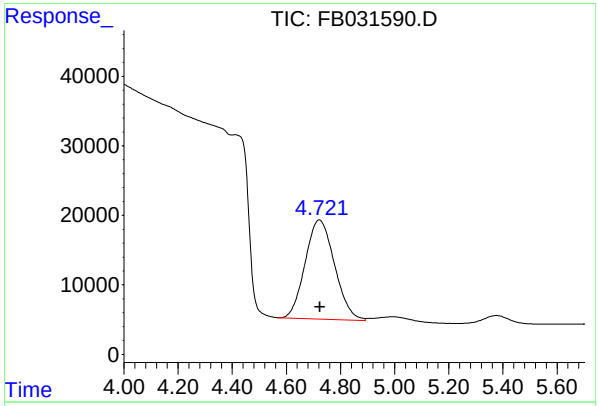
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB031225\
Data File : FB031590.D
Signal(s) : FID2B.CH
Acq On : 12 Mar 2025 13:17
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Mar 13 01:46:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
Quant Title :
QLast Update : Thu Mar 06 13:17:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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

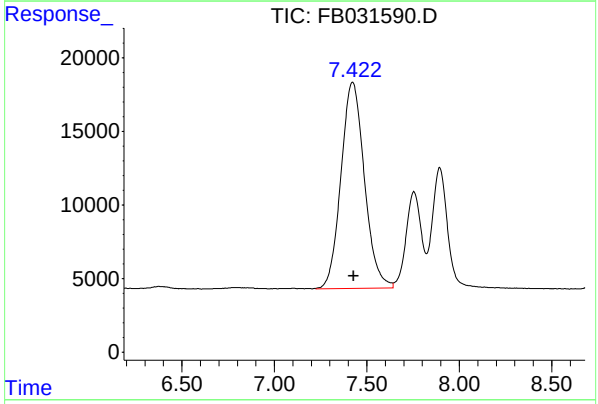




#1 2-Methylpentane

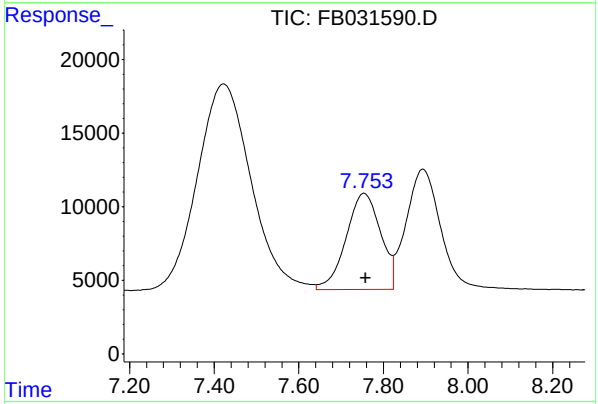
R.T.: 4.722 min
Delta R.T.: -0.002 min
Response: 1077571
Conc: 42.37 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



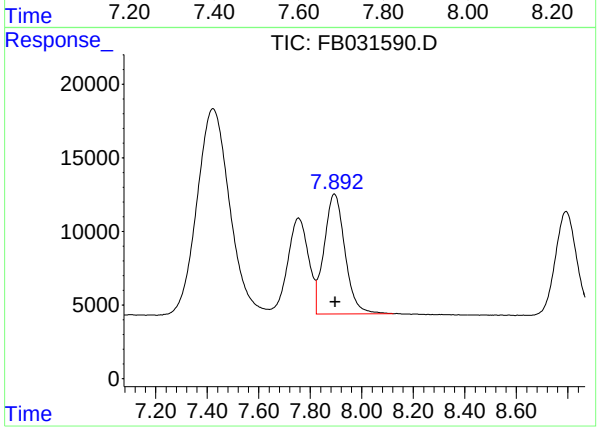
#2 2,2,4-Trimethylpentane

R.T.: 7.423 min
Delta R.T.: -0.006 min
Response: 1235185
Conc: 35.63 ng/ml



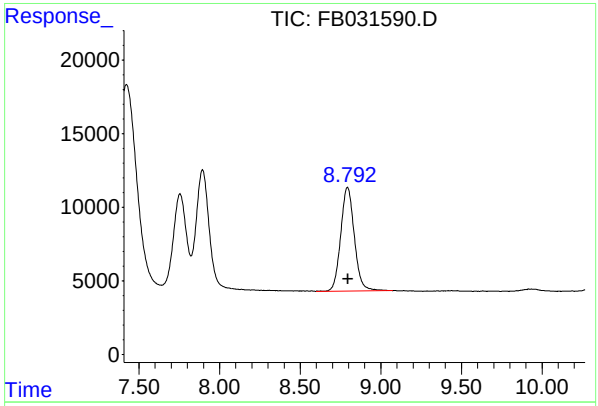
#3 n-Heptane

R.T.: 7.755 min
Delta R.T.: -0.004 min
Response: 370589
Conc: 11.97 ng/ml



#4 Benzene

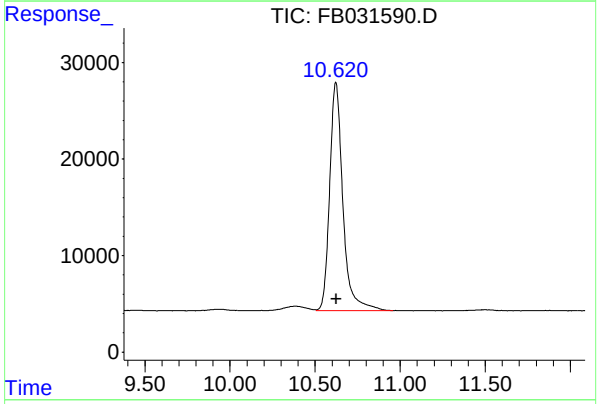
R.T.: 7.894 min
Delta R.T.: -0.003 min
Response: 459271
Conc: 10.87 ng/ml



#5 AAA-TFT

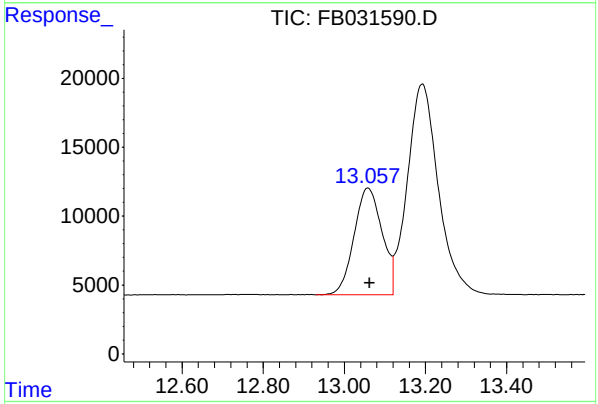
R.T.: 8.793 min
Delta R.T.: -0.003 min
Response: 414654
Conc: 18.31 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



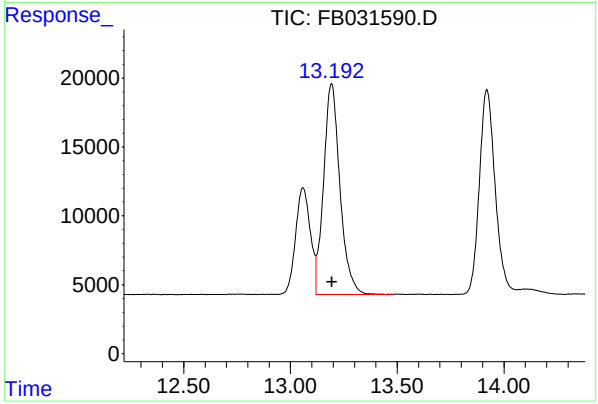
#6 Toluene

R.T.: 10.622 min
Delta R.T.: -0.003 min
Response: 1278538
Conc: 32.32 ng/ml



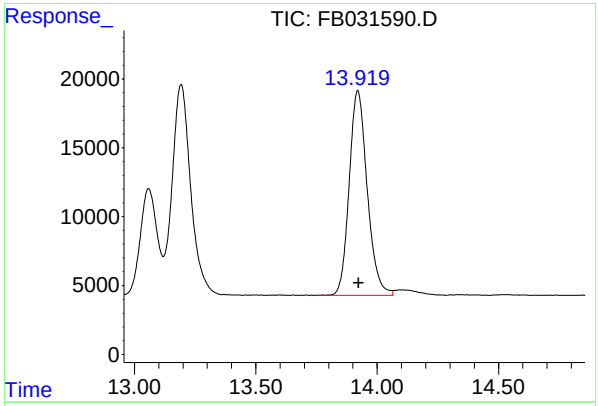
#7 Ethylbenzene

R.T.: 13.059 min
Delta R.T.: -0.004 min
Response: 371455
Conc: 10.53 ng/ml



#8 m-Xylene

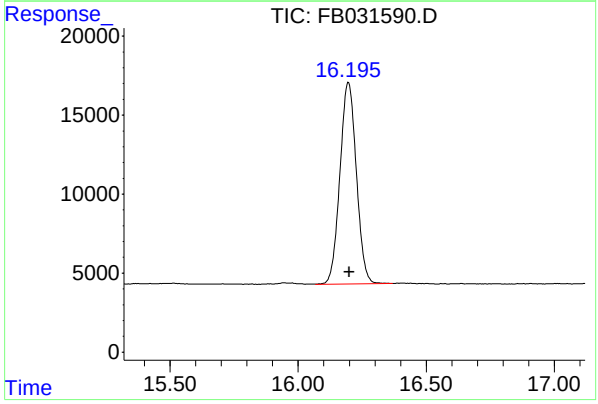
R.T.: 13.193 min
Delta R.T.: -0.003 min
Response: 814224
Conc: 21.12 ng/ml



#9 O-Xylene

R.T.: 13.920 min
Delta R.T.: -0.004 min
Response: 765753
Conc: 20.75 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



#10 1,2,4-Trimethylbenzene

R.T.: 16.196 min
Delta R.T.: -0.005 min
Response: 566817
Conc: 20.06 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB031225\
Data File : FB031590.D
Signal(s) : FID2B.CH
Acq On : 12 Mar 2025 13:17
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.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	4.565	4.891	BV	14274	1077571	84.28%	14.653%
2	7.423	7.226	7.641	VV	14024	1235185	96.61%	16.796%
3	7.755	7.641	7.823	VV	6546	370589	28.99%	5.039%
4	7.894	7.823	8.122	VV	8176	459271	35.92%	6.245%
5	8.793	8.597	9.074	PV	7053	414654	32.43%	5.638%
6	10.622	10.506	10.958	VV	23662	1278538	100.00%	17.385%
7	13.059	12.929	13.120	PV	7766	371455	29.05%	5.051%
8	13.193	13.120	13.480	VV	15314	814224	63.68%	11.072%
9	13.920	13.747	14.065	BV	14869	765753	59.89%	10.413%
10	16.196	16.069	16.369	BV	12770	566817	44.33%	7.708%

Sum of corrected areas: 7354057

FB030625.M Thu Mar 13 02:01:04 2025

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Fax : 908 789 8922

GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Chemtech Contract: WEST04

ProjectID: Ft Meade Tipton Airfield Parcel RI - PO 0111169

Lab Code: CHEM Case No.: Q1539 SAS No.: Q1539 SDG No.: Q1539

DataFile: FB031598.D Analyst Name: YP/AJ Analyst Date: 03-12-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	5994906	33305	33147	0.477

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB031225\
Data File : FB031598.D
Signal(s) : FID2B.CH
Acq On : 12 Mar 2025 17:14
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Mar 13 01:19:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
Quant Title :
QLast Update : Thu Mar 06 13:17:04 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	408863	18.056	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.721	869669	34.194	ng/ml
2) t	2,2,4-Trimethylpentane	7.421	1075978	31.034	ng/ml
3) t	n-Heptane	7.755	327373	10.576	ng/ml
4) t	Benzene	7.894	408146	9.657	ng/ml
6) t	Toluene	10.622	1113568	28.151	ng/ml
7) t	Ethylbenzene	13.059	326866	9.267	ng/ml
8) t	m-Xylene	13.193	709552	18.407	ng/ml
9) t	O-Xylene	13.921	662844	17.961	ng/ml
10) t	1,2,4-Trimethylbenzene	16.197	500910	17.729	ng/ml

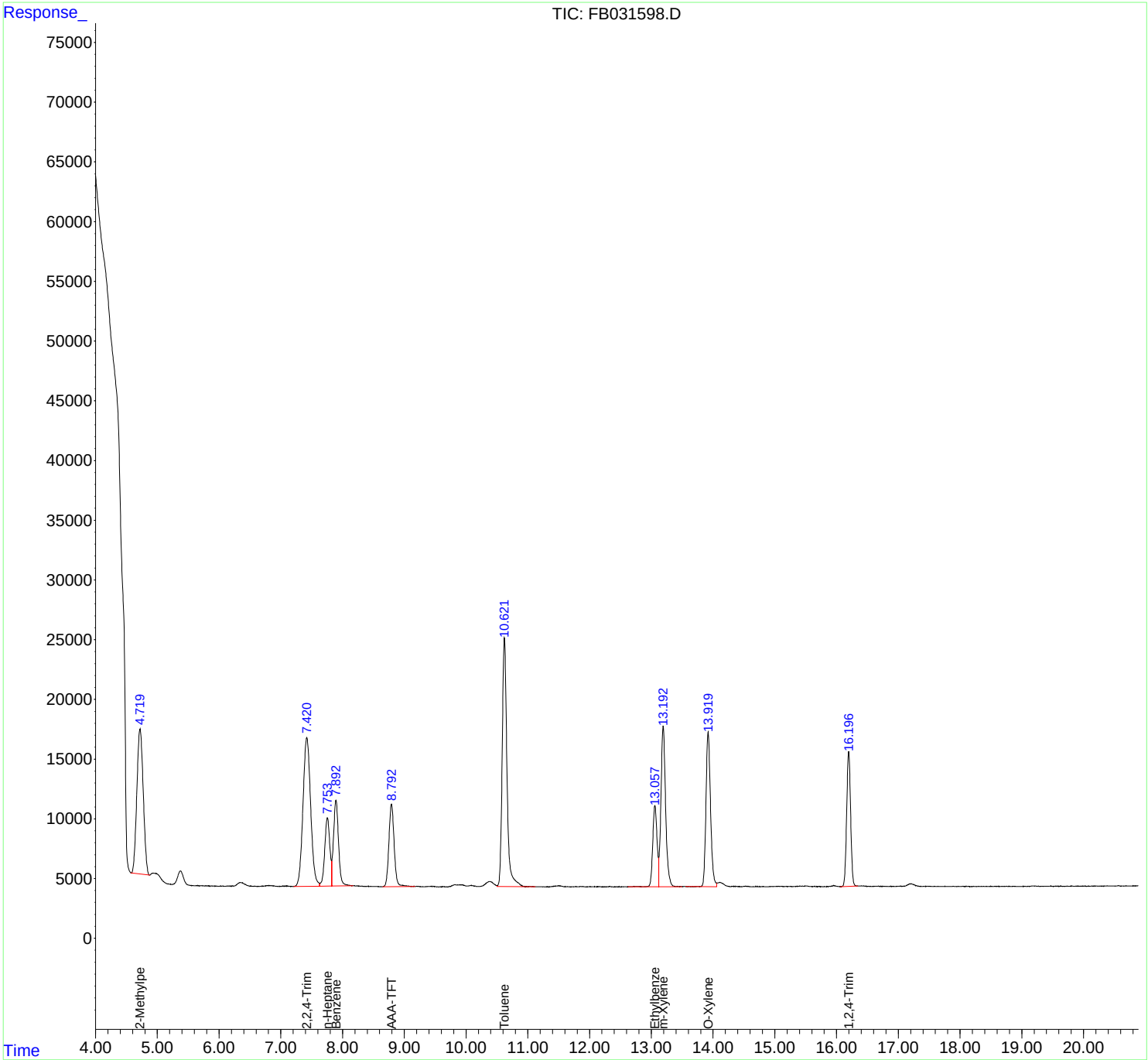
(f)=RT Delta > 1/2 Window (m)=manual int.

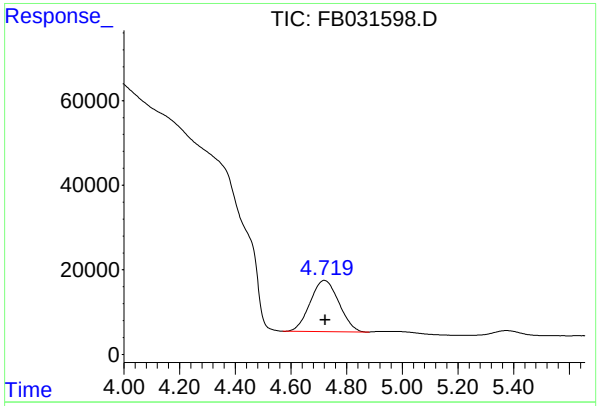
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB031225\
Data File : FB031598.D
Signal(s) : FID2B.CH
Acq On : 12 Mar 2025 17:14
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Mar 13 01:19:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
Quant Title :
QLast Update : Thu Mar 06 13:17:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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

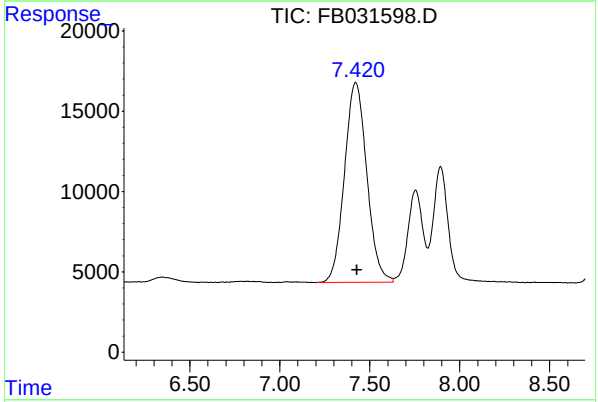




#1 2-Methylpentane

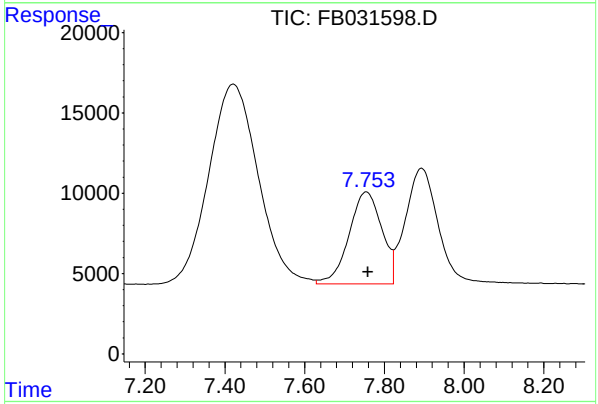
R.T.: 4.721 min
Delta R.T.: -0.003 min
Response: 869669
Conc: 34.19 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



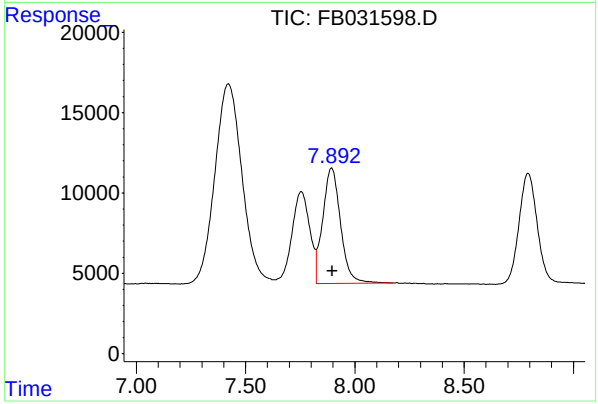
#2 2,2,4-Trimethylpentane

R.T.: 7.421 min
Delta R.T.: -0.007 min
Response: 1075978
Conc: 31.03 ng/ml



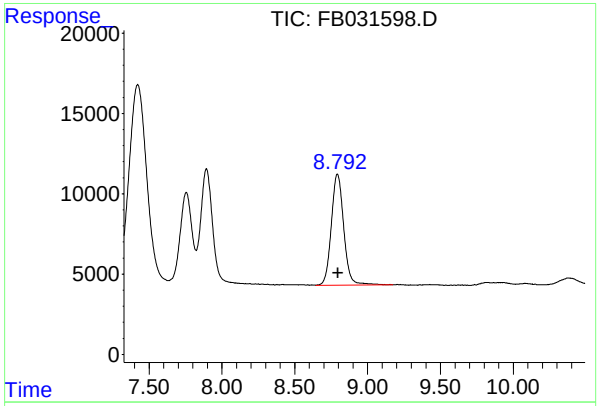
#3 n-Heptane

R.T.: 7.755 min
Delta R.T.: -0.004 min
Response: 327373
Conc: 10.58 ng/ml



#4 Benzene

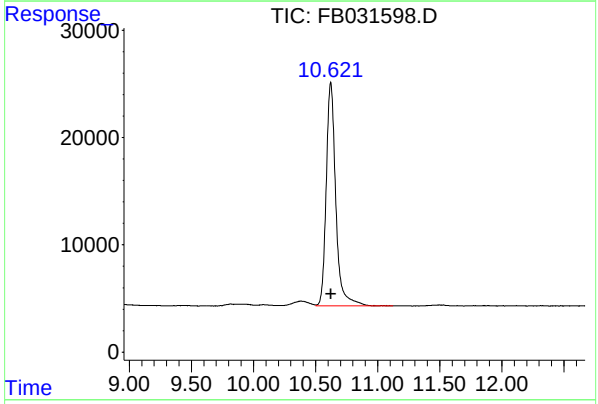
R.T.: 7.894 min
Delta R.T.: -0.003 min
Response: 408146
Conc: 9.66 ng/ml



#5 AAA-TFT

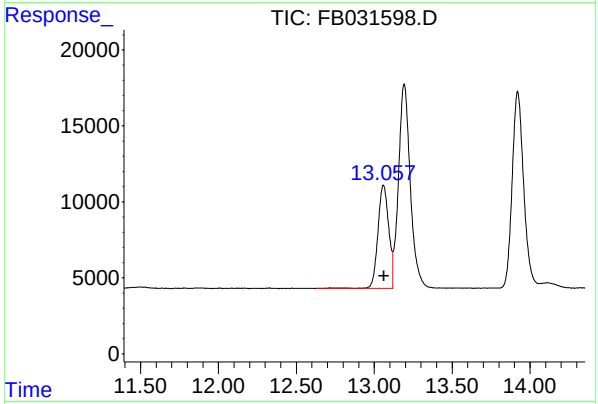
R.T.: 8.793 min
Delta R.T.: -0.003 min
Response: 408863
Conc: 18.06 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



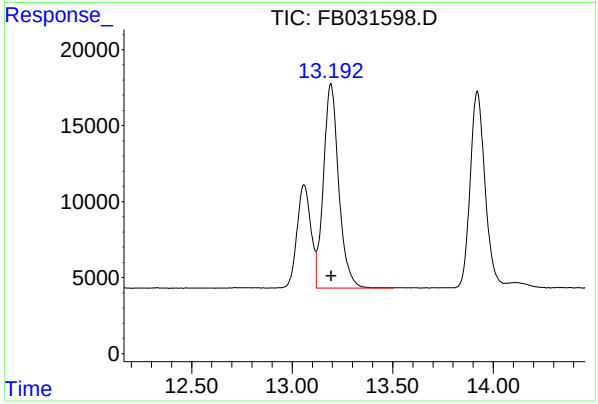
#6 Toluene

R.T.: 10.622 min
Delta R.T.: -0.003 min
Response: 1113568
Conc: 28.15 ng/ml



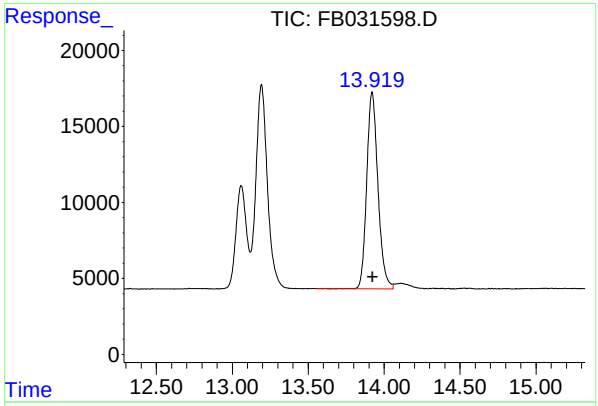
#7 Ethylbenzene

R.T.: 13.059 min
Delta R.T.: -0.003 min
Response: 326866
Conc: 9.27 ng/ml



#8 m-Xylene

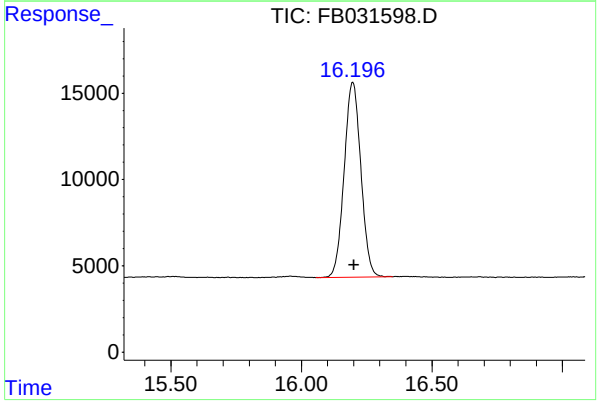
R.T.: 13.193 min
Delta R.T.: -0.003 min
Response: 709552
Conc: 18.41 ng/ml



#9 O-Xylene

R.T.: 13.921 min
Delta R.T.: -0.004 min
Response: 662844
Conc: 17.96 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



#10 1,2,4-Trimethylbenzene

R.T.: 16.197 min
Delta R.T.: -0.004 min
Response: 500910
Conc: 17.73 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB031225\
Data File : FB031598.D
Signal(s) : FID2B.CH
Acq On : 12 Mar 2025 17:14
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.721	4.571	4.881	BV	12138	869669	78.10%	13.581%
2	7.421	7.202	7.629	PV	12464	1075978	96.62%	16.802%
3	7.755	7.629	7.823	VV	5725	327373	29.40%	5.112%
4	7.894	7.823	8.175	VV	7197	408146	36.65%	6.374%
5	8.793	8.645	9.174	PV	6919	408863	36.72%	6.385%
6	10.622	10.503	11.123	VB	20829	1113568	100.00%	17.389%
7	13.059	12.626	13.119	BV	6792	326866	29.35%	5.104%
8	13.193	13.119	13.502	VB	13464	709552	63.72%	11.080%
9	13.921	13.552	14.059	BV	12953	662844	59.52%	10.351%
10	16.197	16.055	16.350	PV	11293	500910	44.98%	7.822%

Sum of corrected areas: 6403768

FB030625.M Thu Mar 13 02:03:26 2025

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

Analytical Sequence

Client: Weston Solutions **SDG No.:** Q1539

Project: Ft Meade Tipton Airfield Parcel RI - PO 0111169 **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 **8.795**

EPA SAMPLE NO.	LAB SAMPLE ID	DATE AND TIME ANALYZED	DATAFILE	RT	#
20 PPB GRO STD	20 PPB GRO STD	12 Mar 2025 9:28	FB031584.D	8.790	
VBF0312W1	VBF0312W1	12 Mar 2025 10:09	FB031585.D	8.792	
BSF0312W1	BSF0312W1	12 Mar 2025 10:36	FB031586.D	8.793	
TAPIAL3-MW03D-031025-00-T1	Q1539-01	12 Mar 2025 11:04	FB031587.D	8.793	
TAPFTA-MW01I-031025-00-T2	Q1539-02	12 Mar 2025 11:56	FB031588.D	8.792	
BSF0312W2	BSF0312W2	12 Mar 2025 12:49	FB031589.D	8.793	
20 PPB GRO STD	20 PPB GRO STD	12 Mar 2025 13:17	FB031590.D	8.793	

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

QC Limits	Lower Limit	Upper Limits
(± 0.10 minutes)	8.695	8.895

QC SAMPLE DATA

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

Report of Analysis

Client:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	
Client Sample ID:	VBF0312W1	SDG No.:	Q1539
Lab Sample ID:	VBF0312W1	Matrix:	Water
Analytical Method:	8015D GRO	% Solid:	0 Decanted:
Sample Wt/Vol:	5 Units: mL	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
FB031585.D	1	03/12/25 10:09	FB031225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
GRO	GRO	9.00	U	6.00	9.00	45.0	ug/L
SURROGATES							
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	19.9		50 - 150		99%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB031225\
Data File : FB031585.D
Signal(s) : FID2B.CH
Acq On : 12 Mar 2025 10:09
Operator : YP/AJ
Sample : VBF0312W1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0312W1

Integration File: Calibration.e
Quant Time: Mar 13 01:16:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
Quant Title :
QLast Update : Thu Mar 06 13:17:04 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	450275	19.884 ng/ml
Target Compounds				

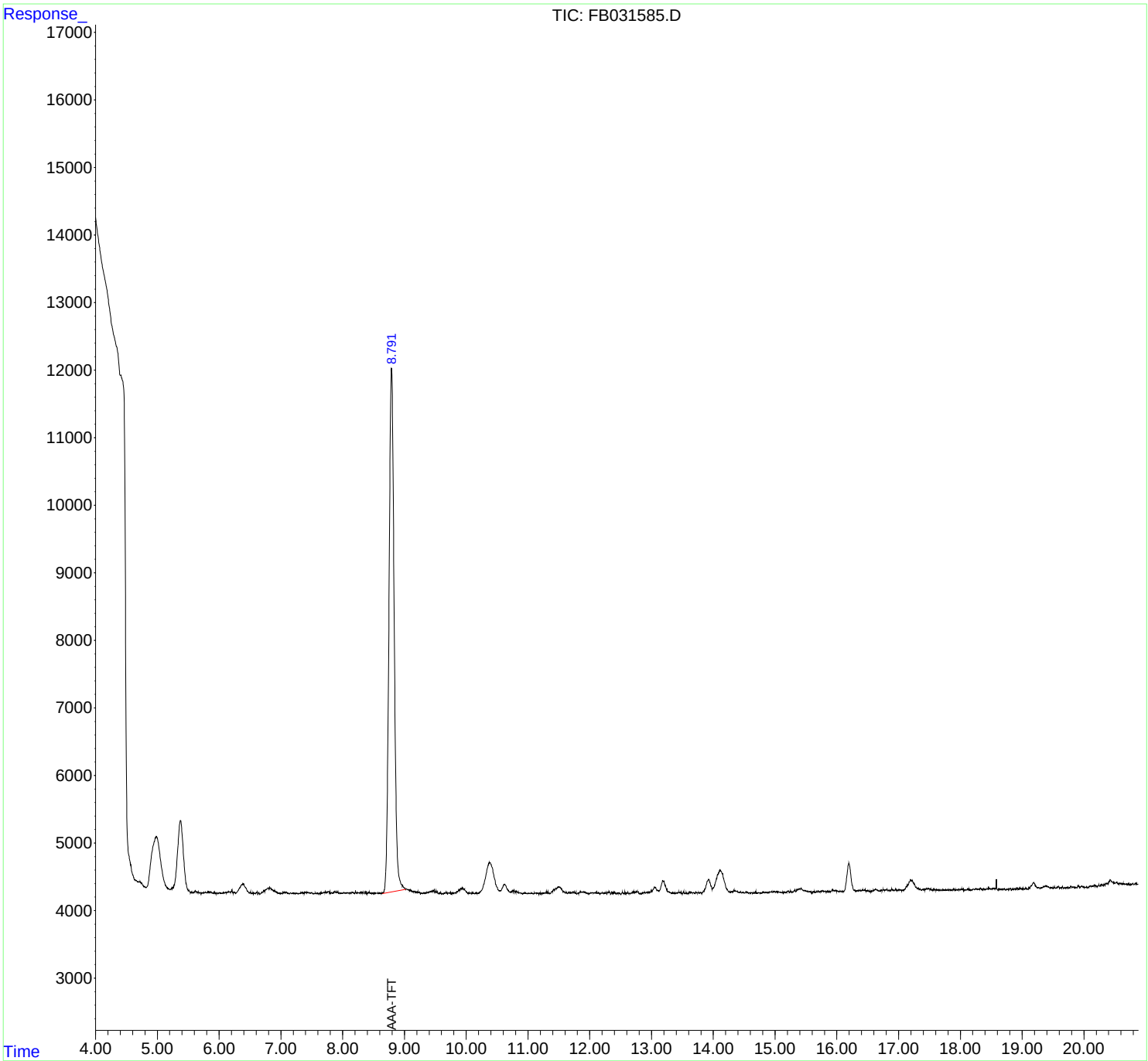
(f)=RT Delta > 1/2 Window (m)=manual int.

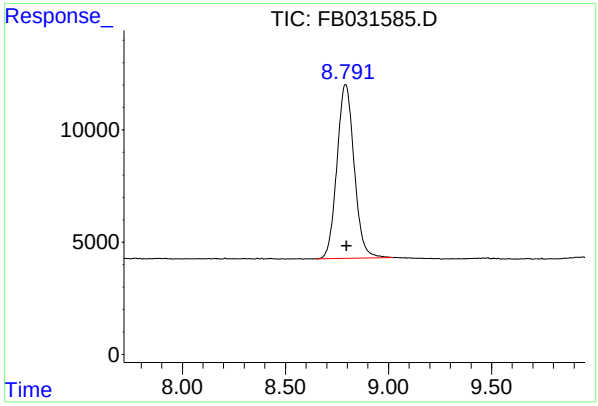
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB031225\
Data File : FB031585.D
Signal(s) : FID2B.CH
Acq On : 12 Mar 2025 10:09
Operator : YP/AJ
Sample : VBF0312W1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0312W1

Integration File: Calibration.e
Quant Time: Mar 13 01:16:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
Quant Title :
QLast Update : Thu Mar 06 13:17:04 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.: 8.792 min
Delta R.T.: -0.005 mir
Response: 450275
Conc: 19.88 ng/m

Instrument :
FID_B
ClientSampleId :
VBF0312W1

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB031225\
Data File : FB031585.D
Signal(s) : FID2B.CH
Acq On : 12 Mar 2025 10:09
Sample : VBF0312W1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	8.792	8.648	9.021	BV	7753	450275	100.00%	100.000%

Sum of corrected areas: 450275

FB030625.M Thu Mar 13 01:59:29 2025

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

Report of Analysis

Client:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	
Client Sample ID:	BSF0312W1	SDG No.:	Q1539
Lab Sample ID:	BSF0312W1	Matrix:	Water
Analytical Method:	8015D GRO	% Solid:	0 Decanted:
Sample Wt/Vol:	5 Units: mL	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
FB031586.D	1	03/12/25 10:36	FB031225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
GRO	GRO	217		6.00	9.00	45.0	ug/L
SURROGATES							
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	20.4		50 - 150		102%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB031225\
Data File : FB031586.D
Signal(s) : FID2B.CH
Acq On : 12 Mar 2025 10:36
Operator : YP/AJ
Sample : BSF0312W1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0312W1

Integration File: Calibration.e
Quant Time: Mar 13 01:16:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
Quant Title :
QLast Update : Thu Mar 06 13:17:04 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	460772	20.348	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.721	1113177	43.769	ng/ml
2) t	2,2,4-Trimethylpentane	7.423	1275286	36.783	ng/ml
3) t	n-Heptane	7.755	389322	12.577	ng/ml
4) t	Benzene	7.894	474758	11.233	ng/ml
6) t	Toluene	10.622	1341670	33.918	ng/ml
7) t	Ethylbenzene	13.058	387028	10.973	ng/ml
8) t	m-Xylene	13.191	841339	21.826	ng/ml
9) t	O-Xylene	13.920	786537	21.313	ng/ml
10) t	1,2,4-Trimethylbenzene	16.196	594661	21.047	ng/ml

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

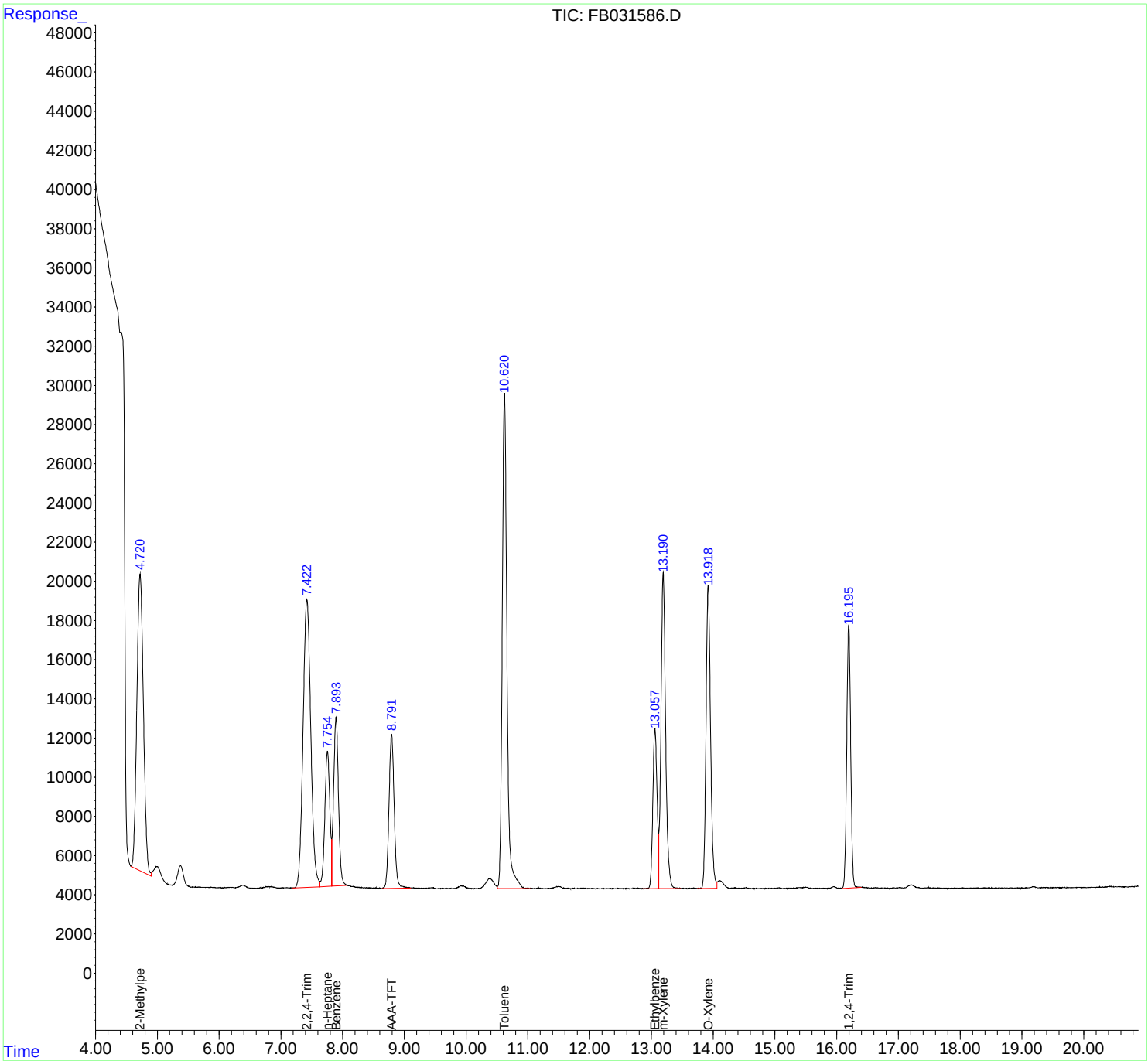
Quantitation Report (QT Reviewed)

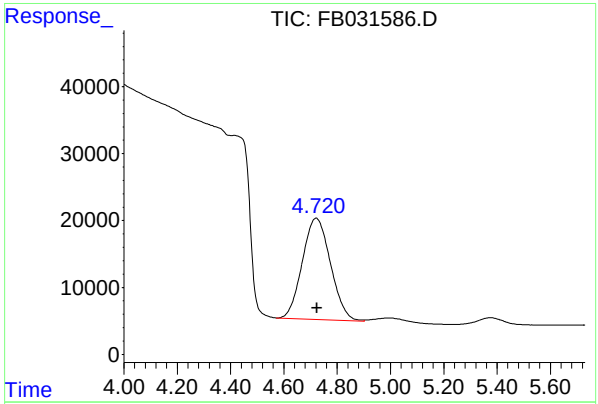
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB031225\
Data File : FB031586.D
Signal(s) : FID2B.CH
Acq On : 12 Mar 2025 10:36
Operator : YP/AJ
Sample : BSF0312W1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0312W1

Integration File: Calibration.e
Quant Time: Mar 13 01:16:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
Quant Title :
QLast Update : Thu Mar 06 13:17:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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

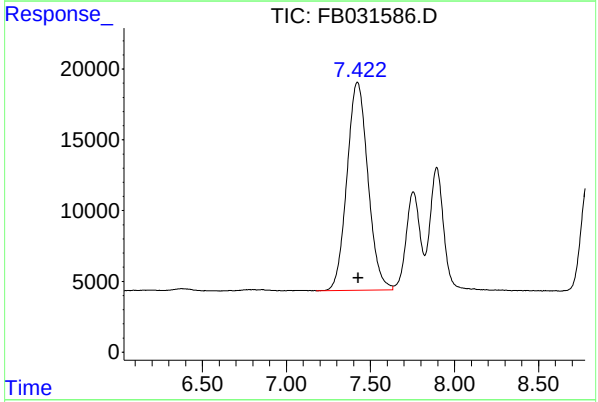




#1 2-Methylpentane

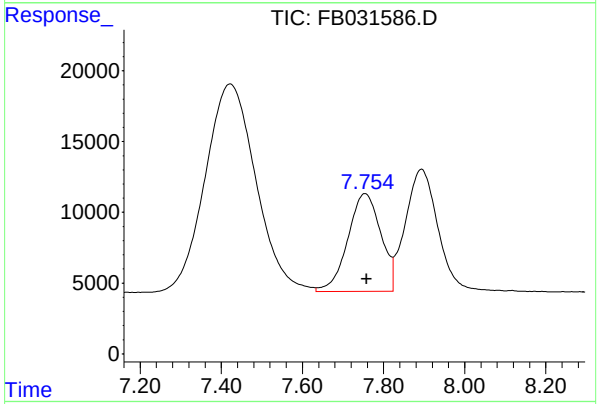
R.T.: 4.721 min
Delta R.T.: -0.003 min
Response: 1113177
Conc: 43.77 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0312W1



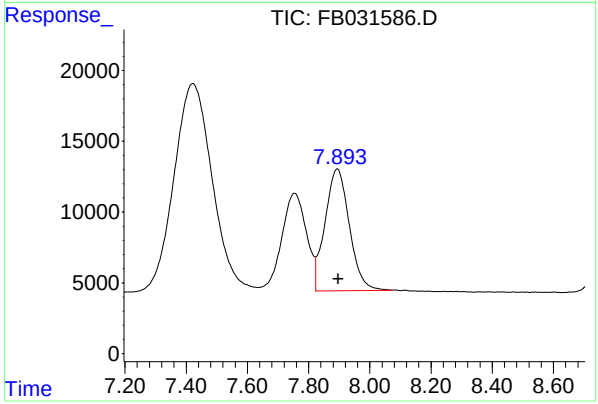
#2 2,2,4-Trimethylpentane

R.T.: 7.423 min
Delta R.T.: -0.005 min
Response: 1275286
Conc: 36.78 ng/ml



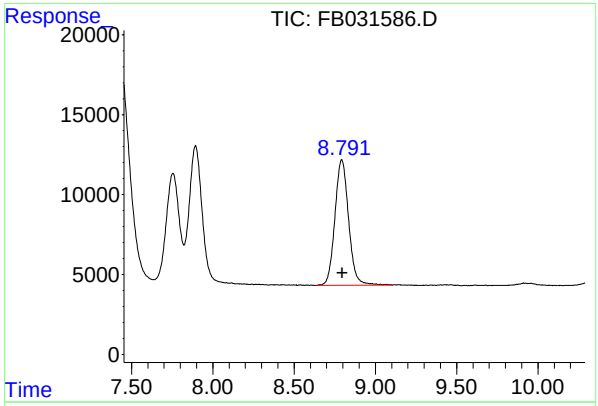
#3 n-Heptane

R.T.: 7.755 min
Delta R.T.: -0.003 min
Response: 389322
Conc: 12.58 ng/ml



#4 Benzene

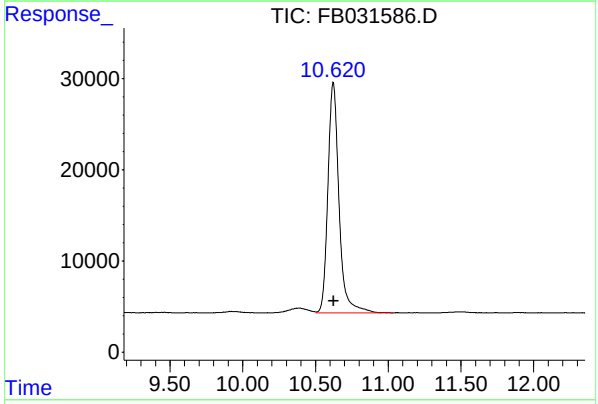
R.T.: 7.894 min
Delta R.T.: -0.003 min
Response: 474758
Conc: 11.23 ng/ml



#5 AAA-TFT

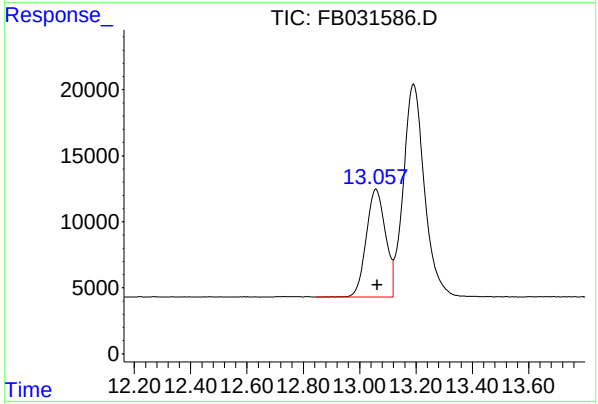
R.T.: 8.793 min
Delta R.T.: -0.003 min
Response: 460772
Conc: 20.35 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0312W1



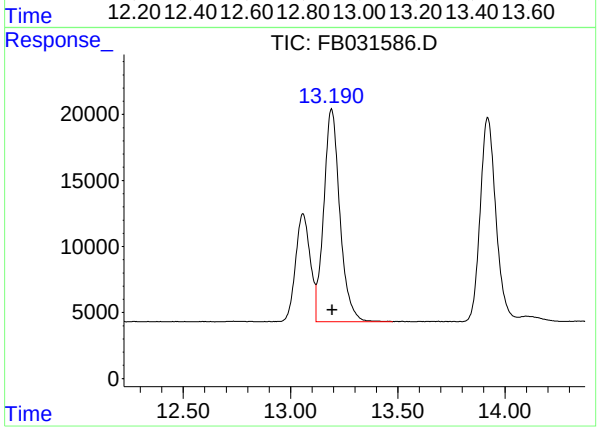
#6 Toluene

R.T.: 10.622 min
Delta R.T.: -0.003 min
Response: 1341670
Conc: 33.92 ng/ml



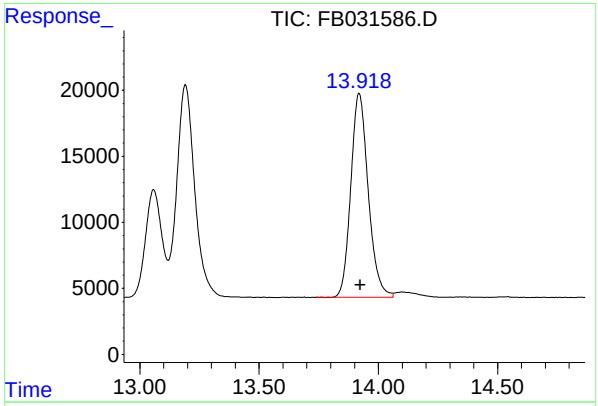
#7 Ethylbenzene

R.T.: 13.058 min
Delta R.T.: -0.004 min
Response: 387028
Conc: 10.97 ng/ml



#8 m-Xylene

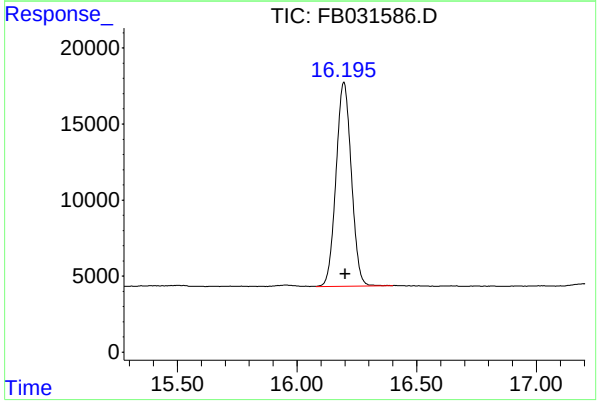
R.T.: 13.191 min
Delta R.T.: -0.004 min
Response: 841339
Conc: 21.83 ng/ml



#9 O-Xylene

R.T.: 13.920 min
Delta R.T.: -0.005 min
Response: 786537
Conc: 21.31 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0312W1



#10 1,2,4-Trimethylbenzene

R.T.: 16.196 min
Delta R.T.: -0.005 min
Response: 594661
Conc: 21.05 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB031225\
Data File : FB031586.D
Signal(s) : FID2B.CH
Acq On : 12 Mar 2025 10:36
Sample : BSF0312W1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.721	4.571	4.902	BV	15154	1113177	82.97%	14.524%
2	7.423	7.176	7.633	PV	14705	1275286	95.05%	16.639%
3	7.755	7.633	7.823	VV	6903	389322	29.02%	5.080%
4	7.894	7.823	8.075	VV	8609	474758	35.39%	6.194%
5	8.793	8.634	9.107	PV	7871	460772	34.34%	6.012%
6	10.622	10.505	11.033	VV	25287	1341670	100.00%	17.505%
7	13.058	12.845	13.119	BV	8178	387028	28.85%	5.050%
8	13.191	13.119	13.477	VV	16119	841339	62.71%	10.977%
9	13.920	13.739	14.062	BV	15463	786537	58.62%	10.262%
10	16.196	16.080	16.401	BBA	13429	594661	44.32%	7.759%

Sum of corrected areas: 7664551

FB030625.M Thu Mar 13 02:00:06 2025

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

Report of Analysis

Client:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	
Client Sample ID:	BSF0312W2	SDG No.:	Q1539
Lab Sample ID:	BSF0312W2	Matrix:	Water
Analytical Method:	8015D GRO	% Solid:	0 Decanted:
Sample Wt/Vol:	5 Units: mL	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
FB031589.D	1	03/12/25 12:49	FB031225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
GRO	GRO	209		6.00	9.00	45.0	ug/L
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\FB031225\
Data File : FB031589.D
Signal(s) : FID2B.CH
Acq On : 12 Mar 2025 12:49
Operator : YP/AJ
Sample : BSF0312W2
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0312W2

Integration File: Calibration.e
Quant Time: Mar 13 01:17:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
Quant Title :
QLast Update : Thu Mar 06 13:17:04 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	421963	18.634	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.722	1148628	45.163	ng/ml
2) t	2,2,4-Trimethylpentane	7.423	1289622	37.196	ng/ml
3) t	n-Heptane	7.755	379347	12.255	ng/ml
4) t	Benzene	7.894	454703	10.758	ng/ml
6) t	Toluene	10.622	1245432	31.485	ng/ml
7) t	Ethylbenzene	13.059	361834	10.259	ng/ml
8) t	m-Xylene	13.192	790607	20.510	ng/ml
9) t	O-Xylene	13.921	738606	20.014	ng/ml
10) t	1,2,4-Trimethylbenzene	16.196	535137	18.940	ng/ml

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

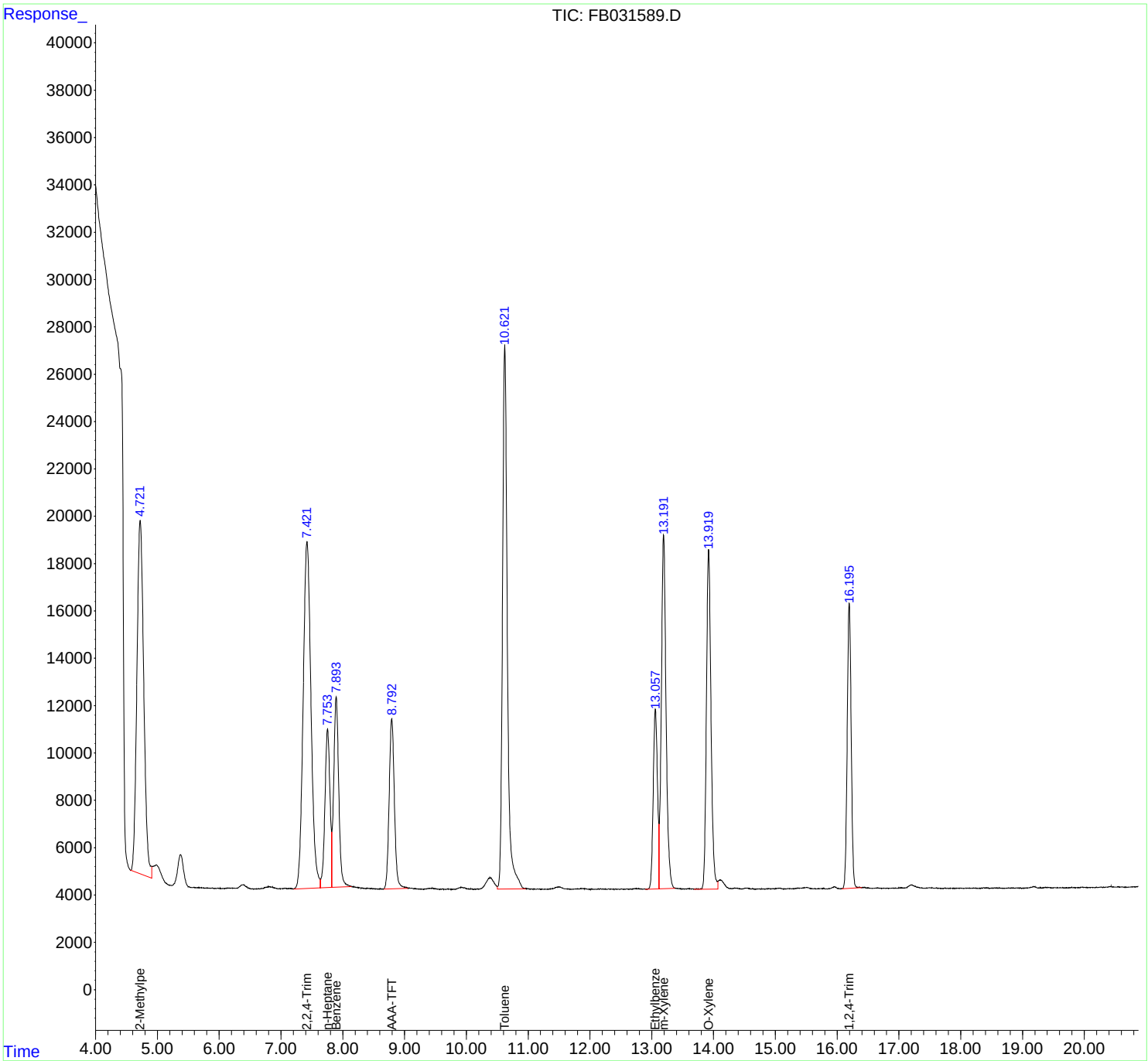
Quantitation Report (QT Reviewed)

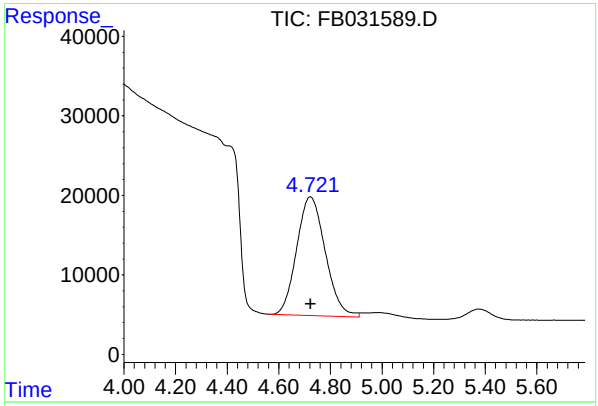
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB031225\
Data File : FB031589.D
Signal(s) : FID2B.CH
Acq On : 12 Mar 2025 12:49
Operator : YP/AJ
Sample : BSF0312W2
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0312W2

Integration File: Calibration.e
Quant Time: Mar 13 01:17:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
Quant Title :
QLast Update : Thu Mar 06 13:17:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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

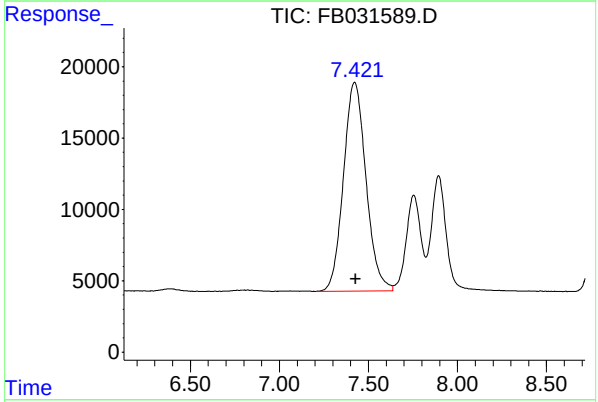




#1 2-Methylpentane

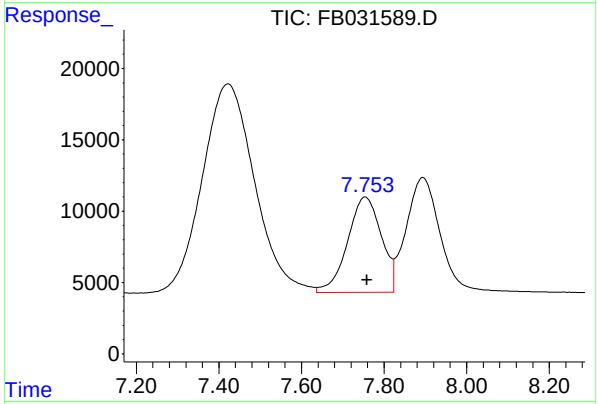
R.T.: 4.722 min
Delta R.T.: -0.002 min
Response: 1148628
Conc: 45.16 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0312W2



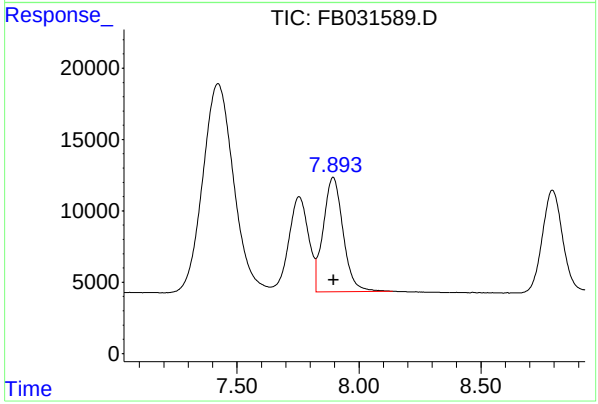
#2 2,2,4-Trimethylpentane

R.T.: 7.423 min
Delta R.T.: -0.006 min
Response: 1289622
Conc: 37.20 ng/ml



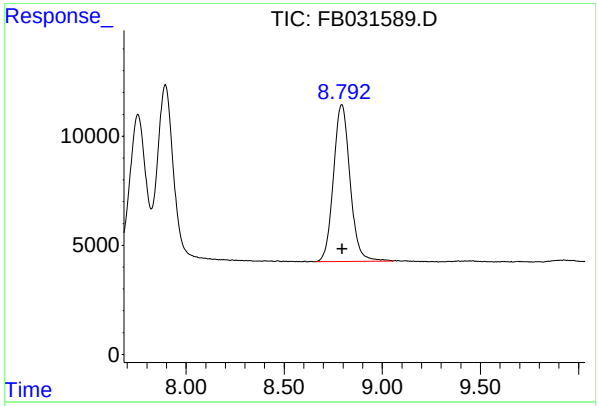
#3 n-Heptane

R.T.: 7.755 min
Delta R.T.: -0.004 min
Response: 379347
Conc: 12.25 ng/ml



#4 Benzene

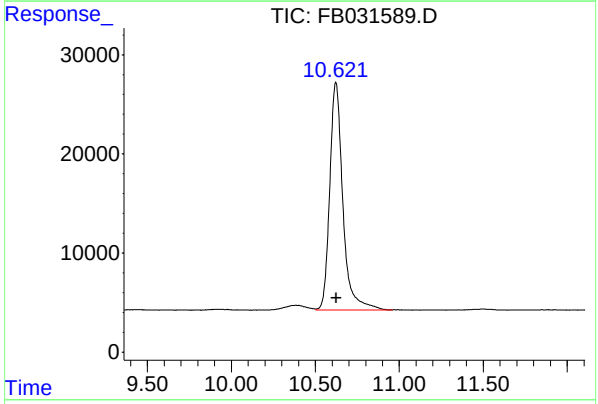
R.T.: 7.894 min
Delta R.T.: -0.003 min
Response: 454703
Conc: 10.76 ng/ml



#5 AAA-TFT

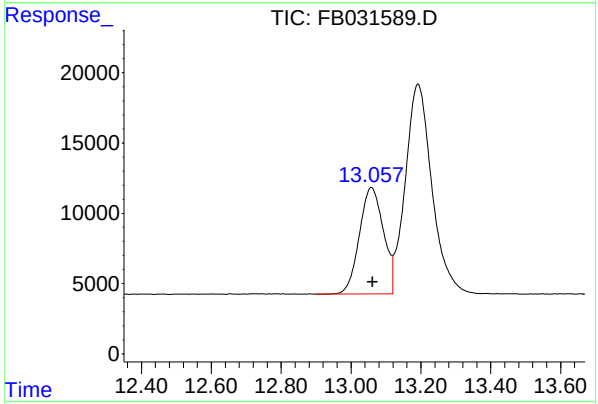
R.T.: 8.793 min
Delta R.T.: -0.003 min
Response: 421963
Conc: 18.63 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0312W2



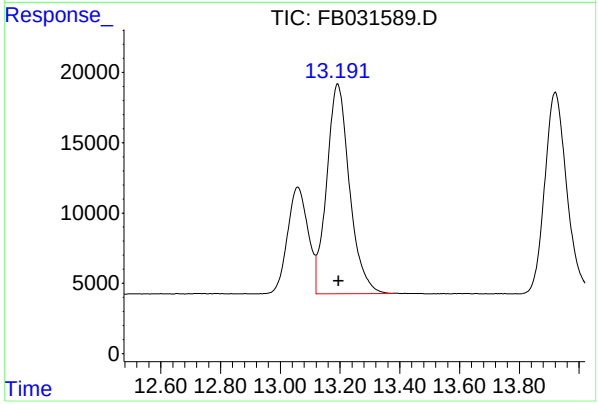
#6 Toluene

R.T.: 10.622 min
Delta R.T.: -0.003 min
Response: 1245432
Conc: 31.48 ng/ml



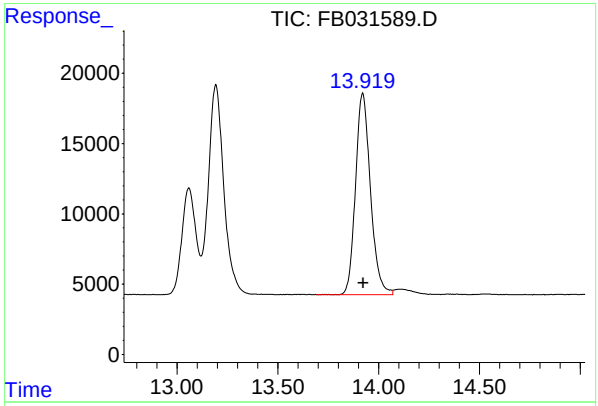
#7 Ethylbenzene

R.T.: 13.059 min
Delta R.T.: -0.004 min
Response: 361834
Conc: 10.26 ng/ml



#8 m-Xylene

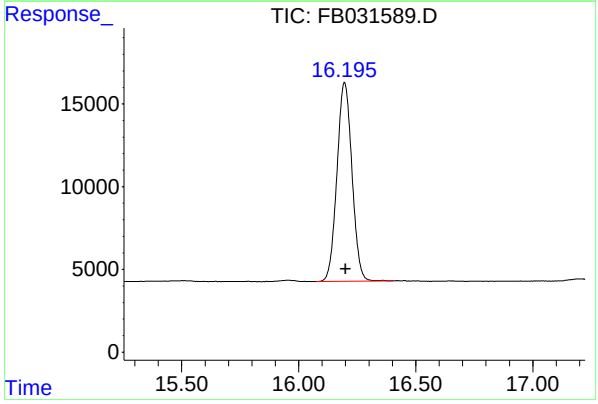
R.T.: 13.192 min
Delta R.T.: -0.003 min
Response: 790607
Conc: 20.51 ng/ml



#9 O-Xylene

R.T.: 13.921 min
Delta R.T.: -0.004 min
Response: 738606
Conc: 20.01 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0312W2



#10 1,2,4-Trimethylbenzene

R.T.: 16.196 min
Delta R.T.: -0.004 min
Response: 535137
Conc: 18.94 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB031225\
Data File : FB031589.D
Signal(s) : FID2B.CH
Acq On : 12 Mar 2025 12:49
Sample : BSF0312W2
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.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	4.559	4.911	BV	14927	1148628	89.07%	15.594%
2	7.423	7.204	7.636	PV	14650	1289622	100.00%	17.508%
3	7.755	7.636	7.823	VV	6693	379347	29.42%	5.150%
4	7.894	7.823	8.139	VV	8036	454703	35.26%	6.173%
5	8.793	8.662	9.055	PV	7190	421963	32.72%	5.729%
6	10.622	10.503	10.961	VV	22980	1245432	96.57%	16.908%
7	13.059	12.899	13.119	PV	7587	361834	28.06%	4.912%
8	13.192	13.119	13.377	VV	14936	790607	61.31%	10.733%
9	13.921	13.689	14.070	BV	14343	738606	57.27%	10.027%
10	16.196	16.074	16.403	PBA	12037	535137	41.50%	7.265%

Sum of corrected areas: 7365880

FB030625.M Thu Mar 13 02:00:38 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
100 GRO STD		FB031560.D	FB030625	2-Methylpentane	mohammad	3/8/2025 4:29:00 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
20 PPB GRO STD		FB031584.D	FB031225	2-Methylpentane	Ankita	3/13/2025 9:28:37 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 # FB030625

Review By	yogesh	Review On	3/6/2025 1:50:04 PM		
Supervise By	mohammad	Supervise On	3/8/2025 4:29:09 AM		
SubDirectory	FB030625	HP Acquire Method		HP Processing Method	FB030625

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24219,PP24220,PP24221,PP24222,PP24223
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24111,PP24224
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	5 GRO STD	FB031556.D	6 Mar 2025 9:38	YP/AJ	Not Ok
2	10 GRO STD	FB031557.D	6 Mar 2025 10:20	YP/AJ	Ok
3	20 GRO STD	FB031558.D	6 Mar 2025 10:48	YP/AJ	Ok
4	50 GRO STD	FB031559.D	6 Mar 2025 11:15	YP/AJ	Ok
5	100 GRO STD	FB031560.D	6 Mar 2025 11:43	YP/AJ	Ok,M
6	5 GRO STD	FB031561.D	6 Mar 2025 13:21	YP/AJ	Ok
7	FB030625GROICV	FB031562.D	6 Mar 2025 14:05	YP/AJ	Ok

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 # FB031225

Review By	yogesh	Review On	3/12/2025 1:30:59 PM		
Supervise By	Ankita	Supervise On	3/13/2025 9:28:44 AM		
SubDirectory	FB031225	HP Acquire Method		HP Processing Method	FB030625

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24219,PP24220,PP24221,PP24222,PP24223
CCC	PP24287,PP24288,PP24291
Internal Standard/PEM	
ICV/I.BLK	PP24111,PP24224
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	20 PPB GRO STD	FB031584.D	12 Mar 2025 9:28	YP/AJ	Ok,M
2	VBF0312W1	FB031585.D	12 Mar 2025 10:09	YP/AJ	Ok
3	BSF0312W1	FB031586.D	12 Mar 2025 10:36	YP/AJ	Ok
4	Q1539-01	FB031587.D	12 Mar 2025 11:04	YP/AJ	Ok
5	Q1539-02	FB031588.D	12 Mar 2025 11:56	YP/AJ	Ok
6	BSF0312W2	FB031589.D	12 Mar 2025 12:49	YP/AJ	Ok
7	20 PPB GRO STD	FB031590.D	12 Mar 2025 13:17	YP/AJ	Ok
8	VBF0312S1	FB031591.D	12 Mar 2025 14:03	YP/AJ	Ok
9	VBF0312S2	FB031592.D	12 Mar 2025 14:31	YP/AJ	Ok
10	BSF0312S1	FB031593.D	12 Mar 2025 14:58	YP/AJ	Ok
11	Q1545-01	FB031594.D	12 Mar 2025 15:25	YP/AJ	Not Ok
12	Q1545-01	FB031595.D	12 Mar 2025 15:53	YP/AJ	Not Ok
13	Q1545-01	FB031596.D	12 Mar 2025 16:20	YP/AJ	Ok
14	BSF0312S2	FB031597.D	12 Mar 2025 16:47	YP/AJ	Ok
15	20 PPB GRO STD	FB031598.D	12 Mar 2025 17:14	YP/AJ	Ok

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 # FB030625

Review By	yogesh	Review On	3/6/2025 1:50:04 PM		
Supervise By	mohammad	Supervise On	3/8/2025 4:29:09 AM		
SubDirectory	FB030625	HP Acquire Method		HP Processing Method	FB030625

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24219,PP24220,PP24221,PP24222,PP24223
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24111,PP24224
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	5 GRO STD		FB031556.D	6 Mar 2025 9:38	not used	YP/AJ	Not Ok
2	10 GRO STD		FB031557.D	6 Mar 2025 10:20		YP/AJ	Ok
3	20 GRO STD		FB031558.D	6 Mar 2025 10:48		YP/AJ	Ok
4	50 GRO STD		FB031559.D	6 Mar 2025 11:15		YP/AJ	Ok
5	100 GRO STD		FB031560.D	6 Mar 2025 11:43		YP/AJ	Ok,M
6	5 GRO STD		FB031561.D	6 Mar 2025 13:21		YP/AJ	Ok
7	FB030625GROICV		FB031562.D	6 Mar 2025 14:05		YP/AJ	Ok

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 # FB031225

Review By	yogesh	Review On	3/12/2025 1:30:59 PM		
Supervise By	Ankita	Supervise On	3/13/2025 9:28:44 AM		
SubDirectory	FB031225	HP Acquire Method		HP Processing Method	FB030625

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24219,PP24220,PP24221,PP24222,PP24223
CCC	PP24287,PP24288,PP24291
Internal Standard/PEM	
ICV/I.BLK	PP24111,PP24224
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	20 PPB GRO STD		FB031584.D	12 Mar 2025 9:28		YP/AJ	Ok,M
2	VBF0312W1		FB031585.D	12 Mar 2025 10:09		YP/AJ	Ok
3	BSF0312W1		FB031586.D	12 Mar 2025 10:36		YP/AJ	Ok
4	Q1539-01		FB031587.D	12 Mar 2025 11:04		YP/AJ	Ok
5	Q1539-02		FB031588.D	12 Mar 2025 11:56		YP/AJ	Ok
6	BSF0312W2		FB031589.D	12 Mar 2025 12:49		YP/AJ	Ok
7	20 PPB GRO STD		FB031590.D	12 Mar 2025 13:17		YP/AJ	Ok
8	VBF0312S1		FB031591.D	12 Mar 2025 14:03		YP/AJ	Ok
9	VBF0312S2		FB031592.D	12 Mar 2025 14:31		YP/AJ	Ok
10	BSF0312S1		FB031593.D	12 Mar 2025 14:58		YP/AJ	Ok
11	Q1545-01		FB031594.D	12 Mar 2025 15:25	Vial-A, Not Purged	YP/AJ	Not Ok
12	Q1545-01		FB031595.D	12 Mar 2025 15:53	Vial-B, Not Purged	YP/AJ	Not Ok
13	Q1545-01		FB031596.D	12 Mar 2025 16:20	Vial-C	YP/AJ	Ok
14	BSF0312S2		FB031597.D	12 Mar 2025 16:47		YP/AJ	Ok
15	20 PPB GRO STD		FB031598.D	12 Mar 2025 17:14		YP/AJ	Ok

M : Manual Integration

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

Prep Standard - Chemical Standard Summary

Order ID : Q1539

Test : Gasoline Range Organics

Prepbatch ID :

Sequence ID/Qc Batch ID: FB031225,

Standard ID :
PP24110,PP24111,PP24112,PP24219,PP24220,PP24221,PP24222,PP24223,PP24224,PP24287,PP24288,PP24291,

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

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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	PP24219	03/06/2025	07/13/2025	Yogesh Patel	None	None	Ankita Jodhani 03/10/2025

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	PP24220	03/06/2025	07/13/2025	Yogesh Patel	None	None	Ankita Jodhani 03/10/2025

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	PP24221	03/06/2025	07/13/2025	Yogesh Patel	None	None	Ankita Jodhani 03/10/2025

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	PP24222	03/06/2025	07/13/2025	Yogesh Patel	None	None	Ankita Jodhani 03/10/2025

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	PP24223	03/06/2025	07/13/2025	Yogesh Patel	None	None	Ankita Jodhani 03/10/2025

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	PP24224	03/06/2025	07/13/2025	Yogesh Patel	None	None	Ankita Jodhani 03/10/2025

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	PP24287	03/12/2025	07/13/2025	Yogesh Patel	None	None	Ankita Jodhani 03/13/2025

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	PP24288	03/12/2025	07/13/2025	Yogesh Patel	None	None	Ankita Jodhani 03/13/2025

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	PP24291	03/12/2025	07/13/2025	Yogesh Patel	None	None	Ankita Jodhani 03/13/2025

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)

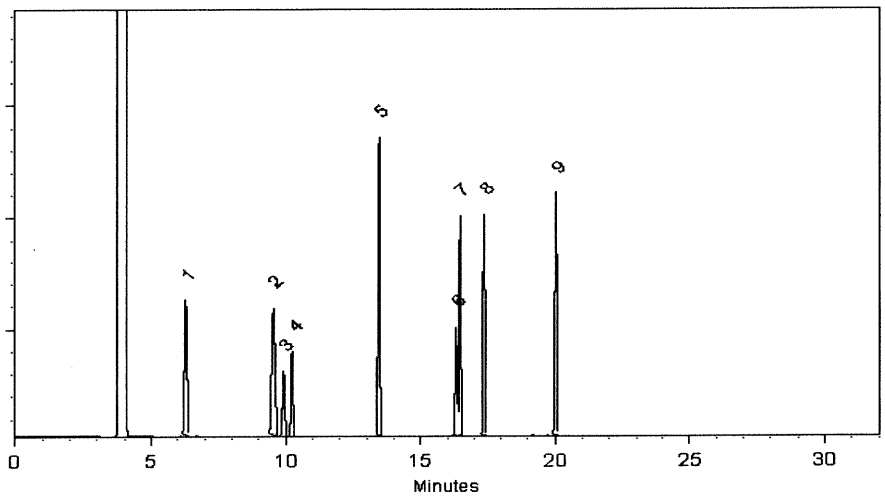
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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
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

SHIPPING DOCUMENTS

Q1539

Weston COC ID
Weston_20250310_1451

Chain of Custody Record/Lab Work Request

Page 1 of 1

Client:	Weston Solutions, Inc.		
Project Manager:	David Sembrot		
Street Address:	1400 Weston Way	City:	West Chester
Phone:	610-314-5456	ST, ZIP:	PA, 19038
e-mail:	david.sembrot@westonsolutions.com		
Sampled By:	Cheyenne Harrington		

Project Name:	Fort Meade RI	**Project POC:**	Nathan Fretz
PO Number	0111169	**Phone:**	484-524-5665
W.O. #:		**POC e-mail:**	nathan.fretz@westonsolutions.com
Lab:	CHEMTECH	**Lab POC:**	Jordan Hedvat
TAT (days):	21	**Lab Phone:**	908-728-3144
Lab Address:	284 Sheffield Street Mountainside, NJ 07092		

Matrix Codes
SS - Soil
SE - Sediment
SO - Solid
SL - Sludge
GW - Groundwater
W - Water
SB - Soil Boring
A - Air
DS - Drum Solids
DL - Drum Liquids
L - EP/TCLP Leachate
WI - Wipe
X - Other
F - Fish

Lab Use Only		
Temperature of cooler when received (°C)		
COC Tape was present and unbroken on outer package?	Y	N
Samples received in good condition?	Y	N
Labels indicate properly preserved?	Y	N
Received within holding times?	Y	N
Discrepancies between sample labels and COC record?	Y	N

#	Sample ID	G/C	Matrix	# Cont	MS/MSD	Date Collected	Time Collected	DRO by EPA 8015D	Pesticides by EPA 8081B	SVOCs by EPA 8270E	O&G by EPA 1664A	Hardness by EPA 200.7 & SM2340B	Anions by EPA 9056A	TOC by EPA 9060A/Lloyd Kahn	GRO by EPA 8015D	VOCs by EPA 8260D	Hex Cr by EPA 7196A	Ammonia by SM4500-NH3 B P	Metals w Hg by EPA 6020B/7470A	Special Instructions/Comments
	Analyses Requested:							DRO by EPA 8015D	Pesticides by EPA 8081B	SVOCs by EPA 8270E	O&G by EPA 1664A	Hardness by EPA 200.7 & SM2340B	Anions by EPA 9056A	TOC by EPA 9060A/Lloyd Kahn	GRO by EPA 8015D	VOCs by EPA 8260D	Hex Cr by EPA 7196A	Ammonia by SM4500-NH3 B P	Metals w Hg by EPA 6020B/7470A	
	Container Type:							Amber	Amber	Amber	Glass	Plastic	Plastic	Vial	Vial	Vial	Plastic	Plastic	Plastic	
	Container Size:							1 L	1 L	1 L	1 L	1 L	1 L	40 mL	40 mL	40 mL	500 mL	500 mL	500 mL	
	Preservative:							Ice to 0-6 deg C	Ice to 0-6 deg C	Ice to 0-6 deg	H2SO4 to < 2	HNO3 to pH	Ice to 0-6	H2SO4 to < 2	HCL to PH < 2	HCL to Ph < 2	Ammonium	H2SO4; Ice to 0-6	HNO3 to pH <	
1	TAPIAL3-MW03D-031025-00-T1	g	GW	19	no	3/10/2025	11:50	X	X	X	X	X	X	X	X	X	X	X	X	pH 1.9
2	TAPFTA-MW01I-031025-00-T2	g	GW	19	no	3/10/2025	15:10	X	X	X	X	X	X	X	X	X	X	X	X	pH 1.9
3	TAP-TB-03-~~031025~~-T1	g	W	2	no	3/10/2025	11:50									X				
4	TAP-TB-04-031025-T2	g	W	2	no	3/10/25	16:55									X				Air in VOAs
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

Shipping Airbill Number: 7726 1351 3156

Cooler Number: 1 of 2

	Relinquished By	Date	Time	Received By	Date	Time
1.)	[signature]	3/10/25	1700	FedEx		
2.)				[signature]	3-11-25	9:56
3.)						

Additional Comments

QSM 6.0 Compliant

Deliverable Requirements: DoD Level IV report, EnviroData EDD, and ERIS-compatible EDD

3.1°C IR Gun #1

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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1539 WEST04
Client Name : Weston Solutions
Client Contact : Nathan Fretz
Invoice Name : Weston Solutions
Invoice Contact : Nathan Fretz

Order Date : 3/11/2025 10:36:00 AM
Project Name : Ft Meade Tipton Airfield Pa
Receive DateTime : 3/11/2025 9:56:00 AM
Purchase Order :

Project Mgr : YAZMEEN
Report Type : Level 4
EDD Type : SEDD 2A
Hard Copy Date :
Date Signoff : 3/11/2025 11:38:51 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1539-01	TAPIAL3-MW03D-031025-00-T1	Water	03/10/2025	11:50					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q1539-02	TAPFTA-MW01I-031025-00-T2	Water	03/10/2025	15:10					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q1539-03	TAP-TB-03-031025	Water	03/10/2025	11:50					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q1539-04	TAP-TB-04-031025-T2	Water	03/10/2025	16:55					
					VOC-TCLVOA-10		8260D		10 Bus. Days

Relinguished By :
Date / Time : 3/12/25

Received By :
Date / Time : 3/12/25

Storage Area : VOA Refridgerator Room

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB030625\
Data File : FB031560.D
Signal(s) : FID2B.CH
Acq On : 6 Mar 2025 11:43
Operator : YP/AJ
Sample : 100 GRO STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: Calibration.e
Quant Time: Mar 06 12:28:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
Quant Title :
QLast Update : Thu Mar 06 12:27:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

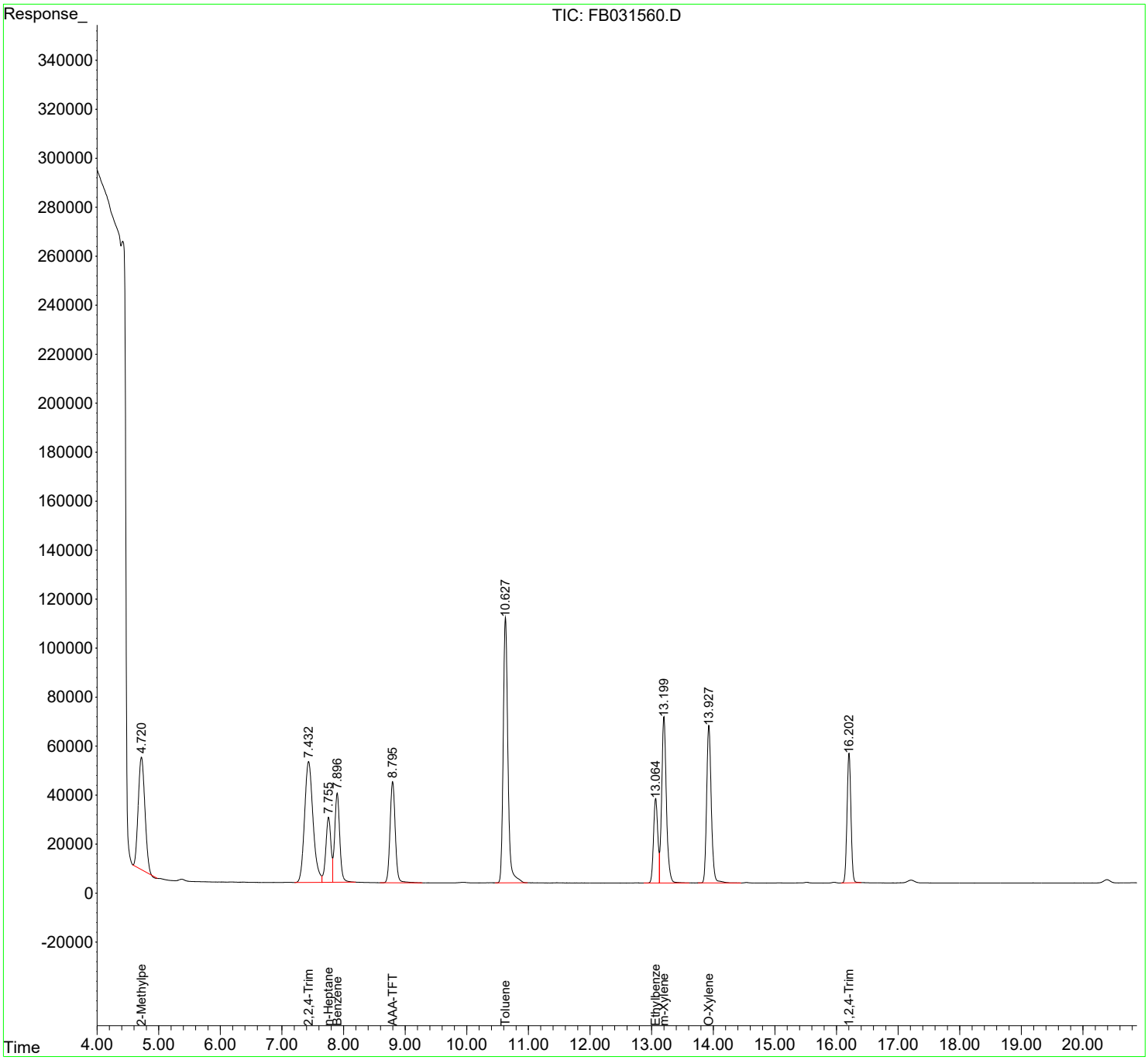
	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
5) s	AAA-TFT	8.797	2434690	101.002	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.720	3442453	133.774	ng/ml
2) t	2,2,4-Trimethylpentane	7.433	4723562	134.570	ng/ml
3) t	n-Heptane	7.756	1532649	49.898	ng/ml
4) t	Benzene	7.898	2067734	47.954	ng/ml
6) t	Toluene	10.628	5722349	144.842	ng/ml
7) t	Ethylbenzene	13.066	1652001	47.306	ng/ml
8) t	m-Xylene	13.200	3604686	94.372	ng/ml
9) t	O-Xylene	13.929	3368693	91.727	ng/ml
10) t	1,2,4-Trimethylbenzene	16.204	2344614	83.443	ng/ml

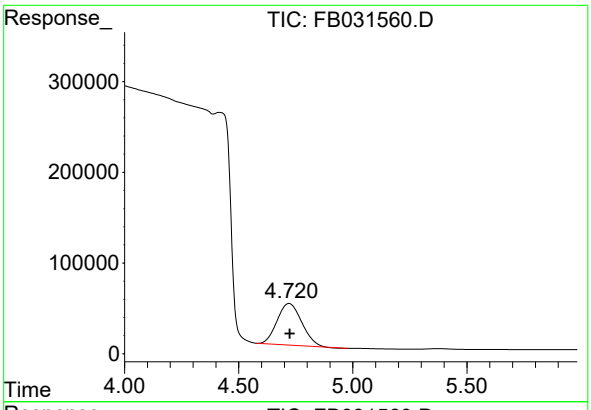
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB030625\
Data File : FB031560.D
Signal(s) : FID2B.CH
Acq On : 6 Mar 2025 11:43
Operator : YP/AJ
Sample : 100 GRO STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: Calibration.e
Quant Time: Mar 06 12:28:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
Quant Title :
QLast Update : Thu Mar 06 12:27:13 2025
Response via : Initial Calibration
Integrator: ChemStation

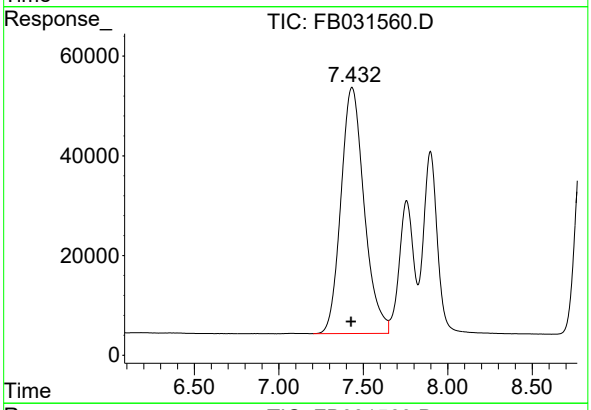
Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um





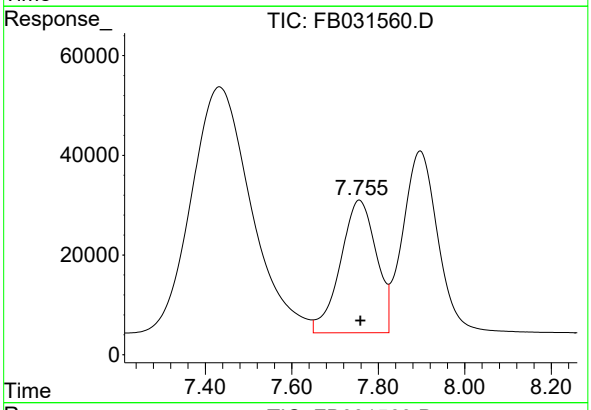
#1 2-Methylpentane

R.T.: 4.720 min
Delta R.T.: -0.004 min
Response: 3442453
Conc: 133.77 ng/ml



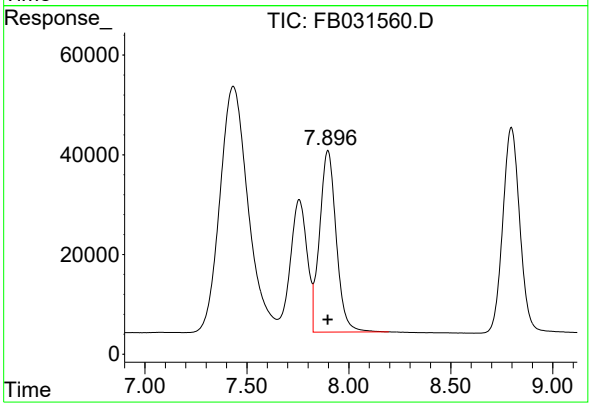
#2 2,2,4-Trimethylpentane

R.T.: 7.433 min
Delta R.T.: 0.005 min
Response: 4723562
Conc: 134.57 ng/ml



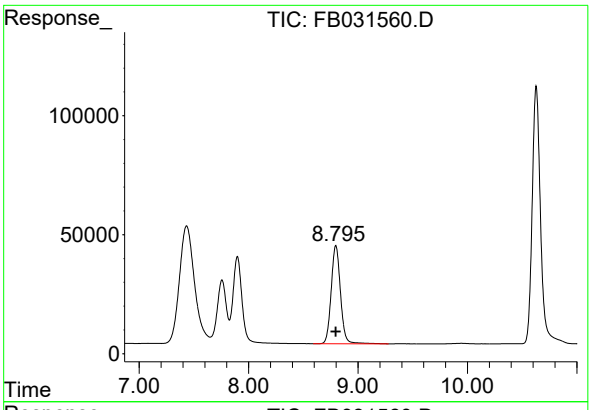
#3 n-Heptane

R.T.: 7.756 min
Delta R.T.: -0.002 min
Response: 1532649
Conc: 49.90 ng/ml



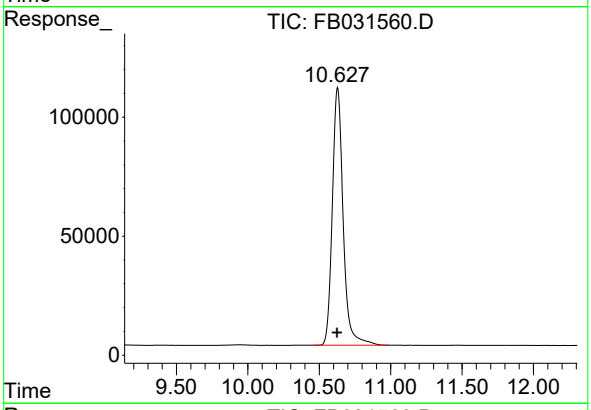
#4 Benzene

R.T.: 7.898 min
Delta R.T.: 0.000 min
Response: 2067734
Conc: 47.95 ng/ml



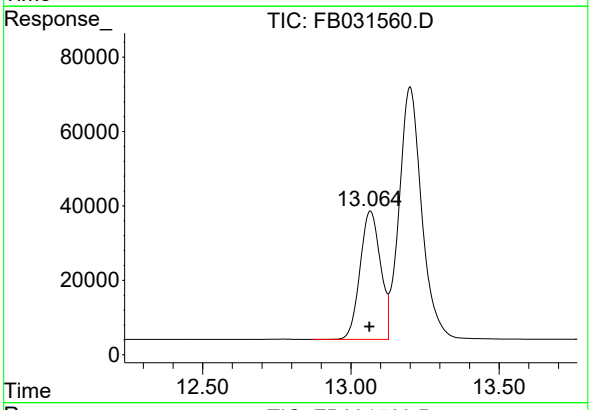
#5 AAA-TFT

R.T.: 8.797 min
Delta R.T.: 0.000 min
Response: 2434690
Conc: 101.00 ng/ml



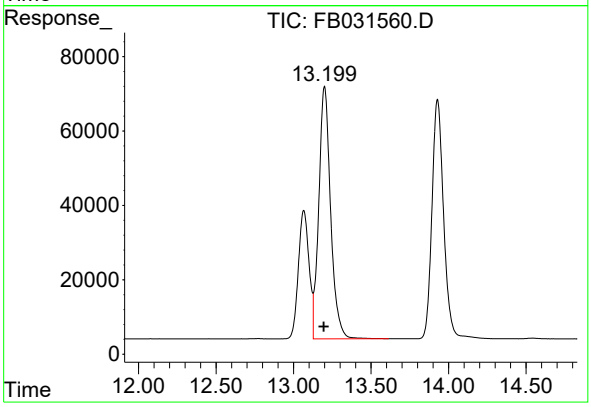
#6 Toluene

R.T.: 10.628 min
Delta R.T.: 0.003 min
Response: 5722349
Conc: 144.84 ng/ml



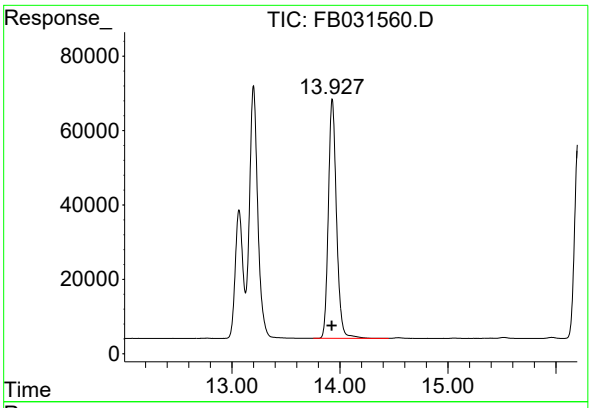
#7 Ethylbenzene

R.T.: 13.066 min
Delta R.T.: 0.004 min
Response: 1652001
Conc: 47.31 ng/ml



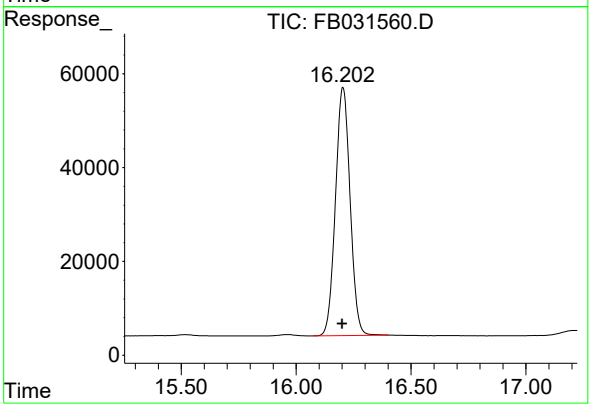
#8 m-Xylene

R.T.: 13.200 min
Delta R.T.: 0.004 min
Response: 3604686
Conc: 94.37 ng/ml



#9 O-Xylene

R.T.: 13.929 min
Delta R.T.: 0.004 min
Response: 3368693
Conc: 91.73 ng/ml



#10 1,2,4-Trimethylbenzene

R.T.: 16.204 min
Delta R.T.: 0.004 min
Response: 2344614
Conc: 83.44 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB031225\
Data File : FB031584.D
Signal(s) : FID2B.CH
Acq On : 12 Mar 2025 9:28
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: Calibration.e
Quant Time: Mar 13 01:15:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
Quant Title :
QLast Update : Thu Mar 06 13:17:04 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 :
20 PPB GRO STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/13/2025
Supervised By :Ankita Jodhani 03/13/2025

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
5) s	AAA-TFT	8.790	439090	19.390	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.716	611121	24.028	ng/mlm
2) t	2,2,4-Trimethylpentane	7.419	1010789	29.154	ng/ml
3) t	n-Heptane	7.751	265137	8.565	ng/ml
4) t	Benzene	7.890	392125	9.278	ng/ml
6) t	Toluene	10.619	1142492	28.883	ng/ml
7) t	Ethylbenzene	13.057	341614	9.686	ng/ml
8) t	m-Xylene	13.190	743428	19.286	ng/ml
9) t	O-Xylene	13.919	706383	19.141	ng/ml
10) t	1,2,4-Trimethylbenzene	16.195	543670	19.242	ng/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB031225\
Data File : FB031584.D
Signal(s) : FID2B.CH
Acq On : 12 Mar 2025 9:28
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: Calibration.e
Quant Time: Mar 13 01:15:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
Quant Title :
QLast Update : Thu Mar 06 13:17:04 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 :
20 PPB GRO STD

Manual Integrations APPROVED

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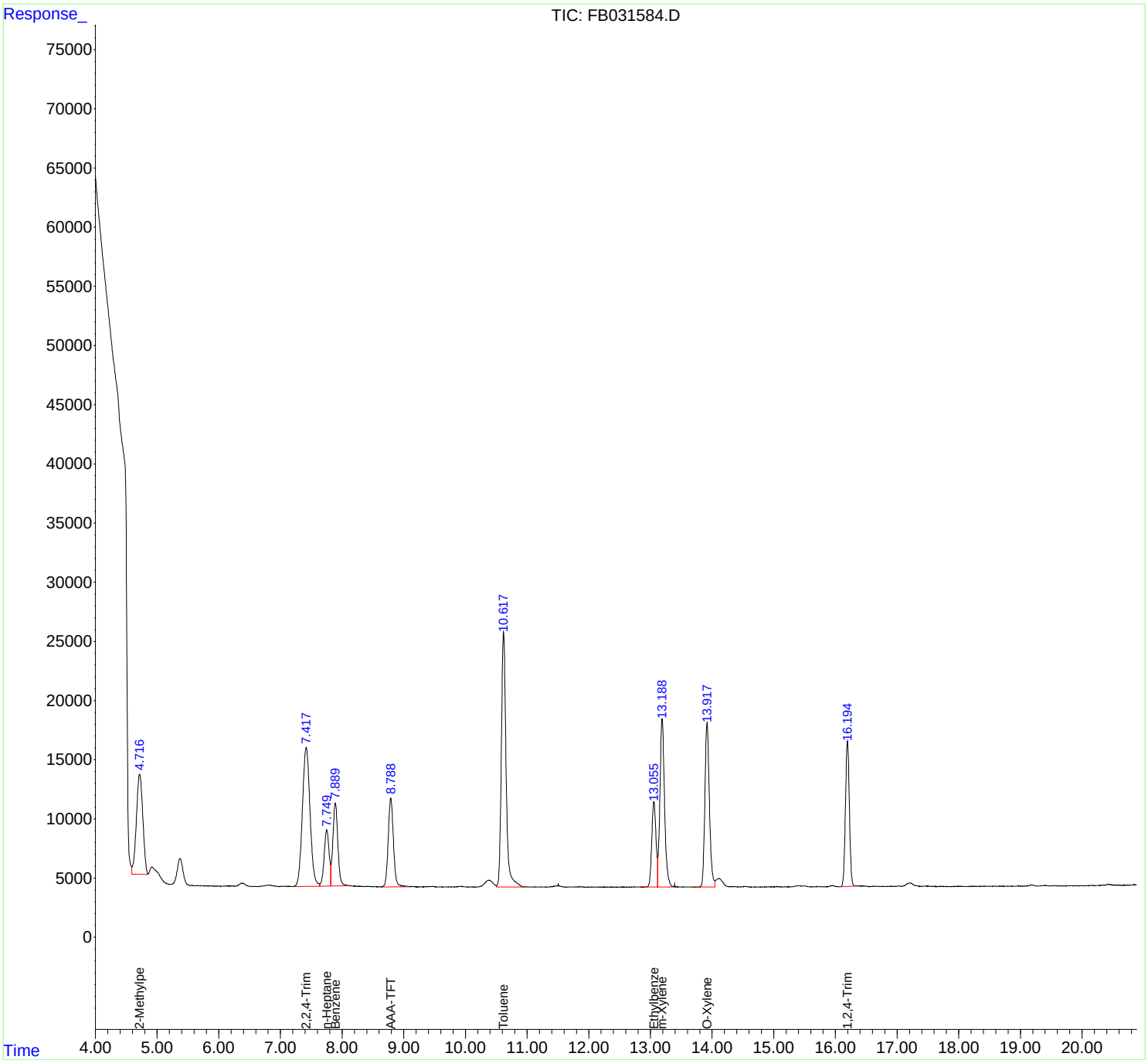

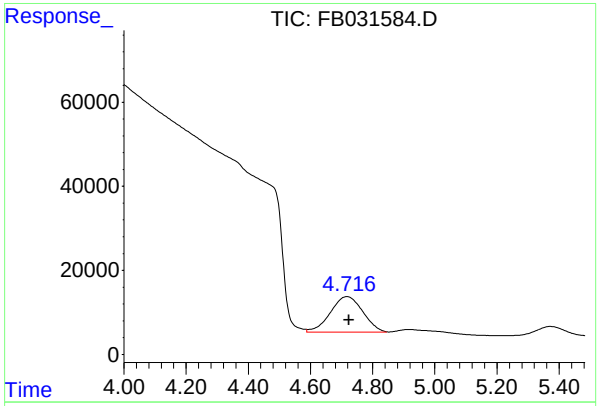

#1 2-Methylpentane

R.T.: 4.716 min
Delta R.T.: -0.008 min
Response: 611121
Conc: 24.03 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/13/2025
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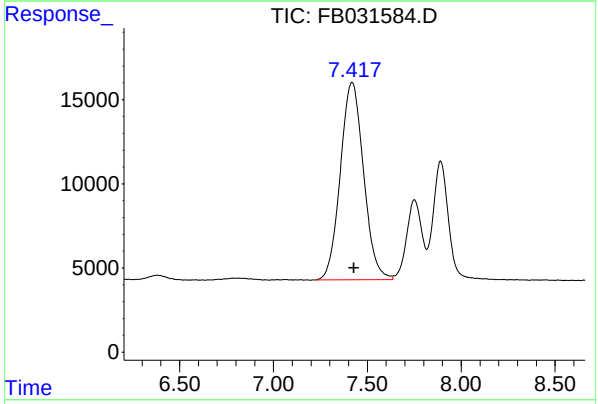
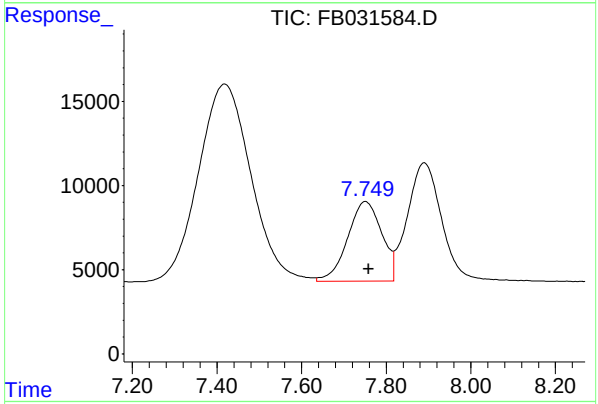


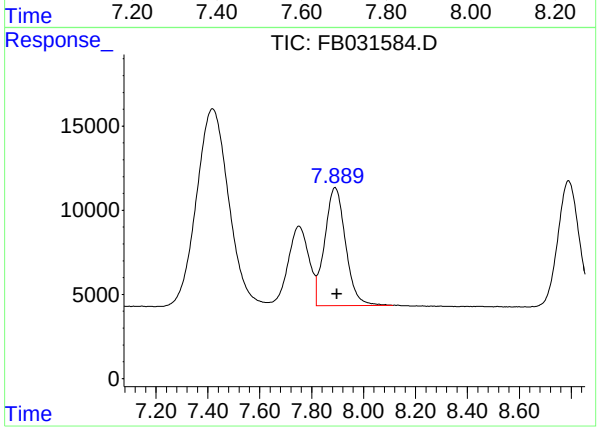
#2 2,2,4-Trimethylpentane

R.T.: 7.419 min
Delta R.T.: -0.010 min
Response: 1010789
Conc: 29.15 ng/ml



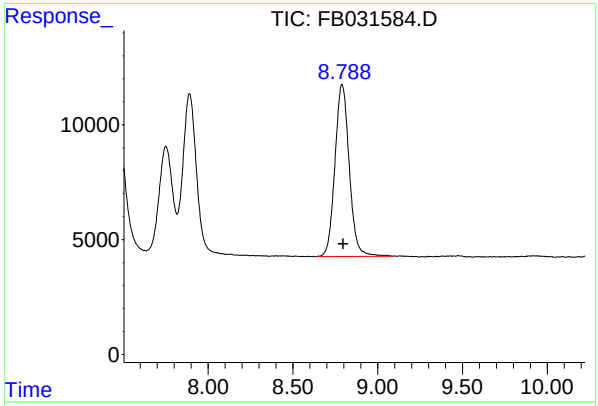
#3 n-Heptane

R.T.: 7.751 min
Delta R.T.: -0.007 min
Response: 265137
Conc: 8.57 ng/ml



#4 Benzene

R.T.: 7.890 min
Delta R.T.: -0.007 min
Response: 392125
Conc: 9.28 ng/ml



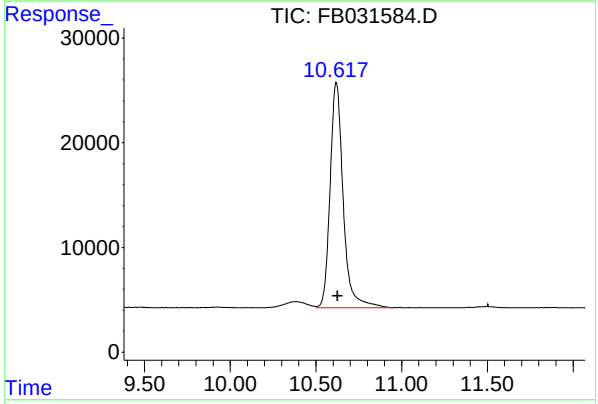
#5 AAA-TFT

R.T.: 8.790 min
Delta R.T.: -0.007 min
Response: 439090
Conc: 19.39 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

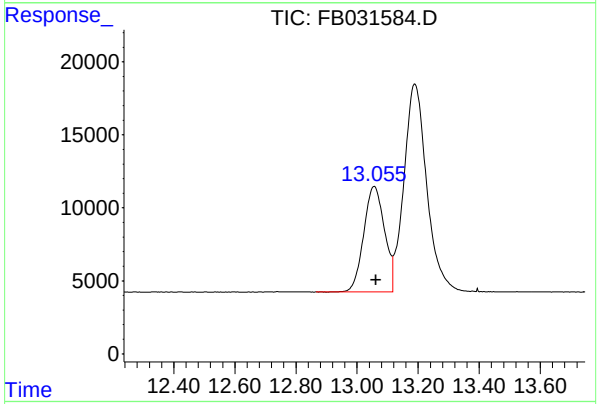
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/13/2025
Supervised By :Ankita Jodhani 03/13/2025



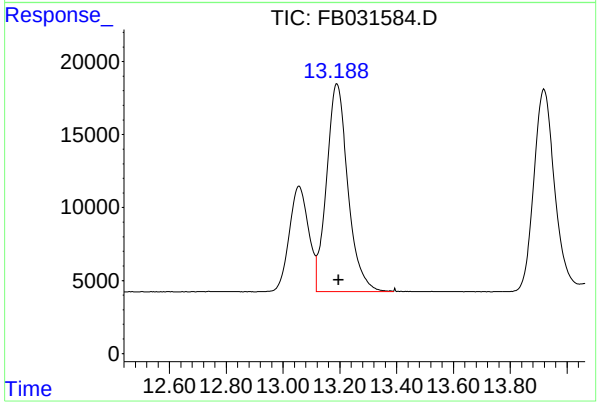
#6 Toluene

R.T.: 10.619 min
Delta R.T.: -0.007 min
Response: 1142492
Conc: 28.88 ng/ml



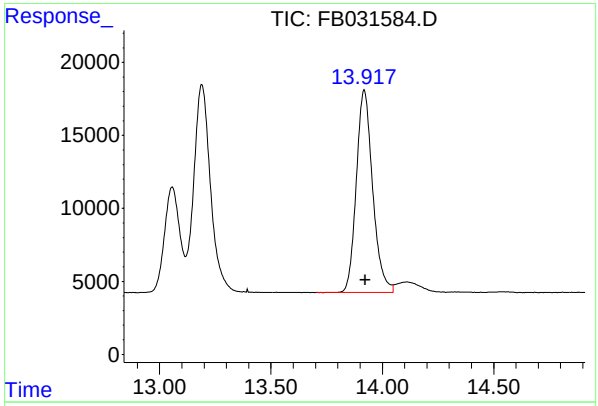
#7 Ethylbenzene

R.T.: 13.057 min
Delta R.T.: -0.006 min
Response: 341614
Conc: 9.69 ng/ml



#8 m-Xylene

R.T.: 13.190 min
Delta R.T.: -0.006 min
Response: 743428
Conc: 19.29 ng/ml



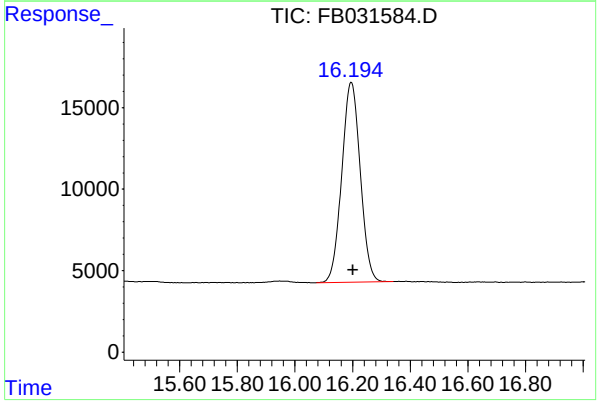
#9 O-Xylene

R.T.: 13.919 min
Delta R.T.: -0.006 min
Response: 706383
Conc: 19.14 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/13/2025
Supervised By :Ankita Jodhani 03/13/2025



#10 1,2,4-Trimethylbenzene

R.T.: 16.195 min
Delta R.T.: -0.005 min
Response: 543670
Conc: 19.24 ng/ml