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

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 : Q1109

ATTENTION : Nathan Fretz

Laboratory Certification ID # 20012

Table Of Contents for Q1109

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Cover Page

Order ID : Q1109

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

Client : Weston Solutions

Lab Sample Number	Client Sample Number
Q1109-01	TAPIAL1-MW04I-011525-00-T3
Q1109-02	TAPIAL1-MW04S-011525-00-T2
Q1109-04	TAP-TB-01-011525

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

Signature : _____

Date: 1/21/2025

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 # Q1109
Test Name: Gasoline Range Organics

A. Number of Samples and Date of Receipt:
3 Water samples were received on 01/16/2025.

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, PESTICIDE Group3, 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.

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F. Calculation for Concentration in WATER samples :

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

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_____

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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: Q1109 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:		✓	
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.		✓	

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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

NA NO YES

ADDITIONAL COMMENTS:

The not QT review data is reported in the Miscellaneous.

_____ _____

QA REVIEW Date

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1109

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: SOHIL JODHANI **Date:** 01/21/2025

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LAB CHRONICLE

OrderID:	Q1109	**OrderDate:**	1/16/2025 11:32:00 AM
Client:	Weston Solutions	**Project:**	Ft Meade Tipton Airfield Parcel RI - PO 0111169
Contact:	Nathan Fretz	**Location:**	M11,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1109-02	**TAPIAL1-MW04S-011 525-00-T2**	**Water**			**01/15/25**			**01/16/25**
			Diesel Range Organics	8015D		01/17/25	01/17/25	
			Gasoline Range Organics	8015D			01/17/25	

QC SUMMARY

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WATER GASOLINE RANGE ORGANICS SURROGATE RECOVERY

Lab Name: Chemtech Client: Weston Solutions

Lab Code: CHEM Case No.: Q1109 SAS No.: Q1109 SDG No.: Q1109

EPA SAMPLE NO.	S1 AAA-TFT	S2	S3	S4	TOT OUT
VBF0117W1	92				0
BSF0117W1	94				0
BSF0117W2	82				0
TAPIAL1-MW04S-011525-00-T2	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:** Q1109 **SAS No :** Q1109 **SDG No:** Q1109

Matrix Spike - EPA Sample No : BSF0117W1 **Datafile:** FB031315.D

COMPOUND	SPIKE ADDED ug/L	CONCENTRATION ug/L	LCS/LCSD CONCENTRATION ug/L	% REC	QC LIMITS
GRO	180	0	204	113	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:** Q1109 **SAS No :** Q1109 **SDG No:** Q1109

Matrix Spike - EPA Sample No : BSF0117W2 **Datafile:** FB031316.D

COMPOUND	SPIKE ADDED ug/L	CONCENTRATION ug/L	LCS/LCSD CONCENTRATION ug/L	% REC	QC LIMITS
GRO	180	0	181	101	50-150

LCS/LCSD % Recovery RPD : 11.9

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METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBF0117W1

Lab Name: CHEMTECH Contract: WEST04

Lab Code: CHEM Case No.: Q1109 SAS No.: Q1109 SDG NO.: Q1109

Lab File ID: FB031314.D Lab Sample ID: VBF0117W1

Date Analyzed: 01/17/25 Time Analyzed: 9:35

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
20 PPB GRO STD	20 PPB GRO STD	FB031313.D	01/17/25
BSF0117W1	BSF0117W1	FB031315.D	01/17/25
BSF0117W2	BSF0117W2	FB031316.D	01/17/25
TAPIAL1-MW04S-011525-00-T2	Q1109-02	FB031317.D	01/17/25
20 PPB GRO STD	20 PPB GRO STD	FB031318.D	01/17/25

COMMENTS:

SAMPLE DATA

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Report of Analysis

Client:	Weston Solutions	Date Collected:	01/15/25
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	01/16/25
Client Sample ID:	TAPIAL1-MW04S-011525-00-T2	SDG No.:	Q1109
Lab Sample ID:	Q1109-02	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
FB031317.D	1	01/17/25 11:05	FB011725

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	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\FB011725\
Data File : FB031317.D
Signal(s) : FID2B.CH
Acq On : 17 Jan 2025 11:05
Operator : YP/AJ
Sample : Q1109-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TAPIAL1-MW04S-011525-00-T2

Integration File: Calibration.e
Quant Time: Jan 18 01:28:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 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	444549	18.637 ng/ml
Target Compounds			

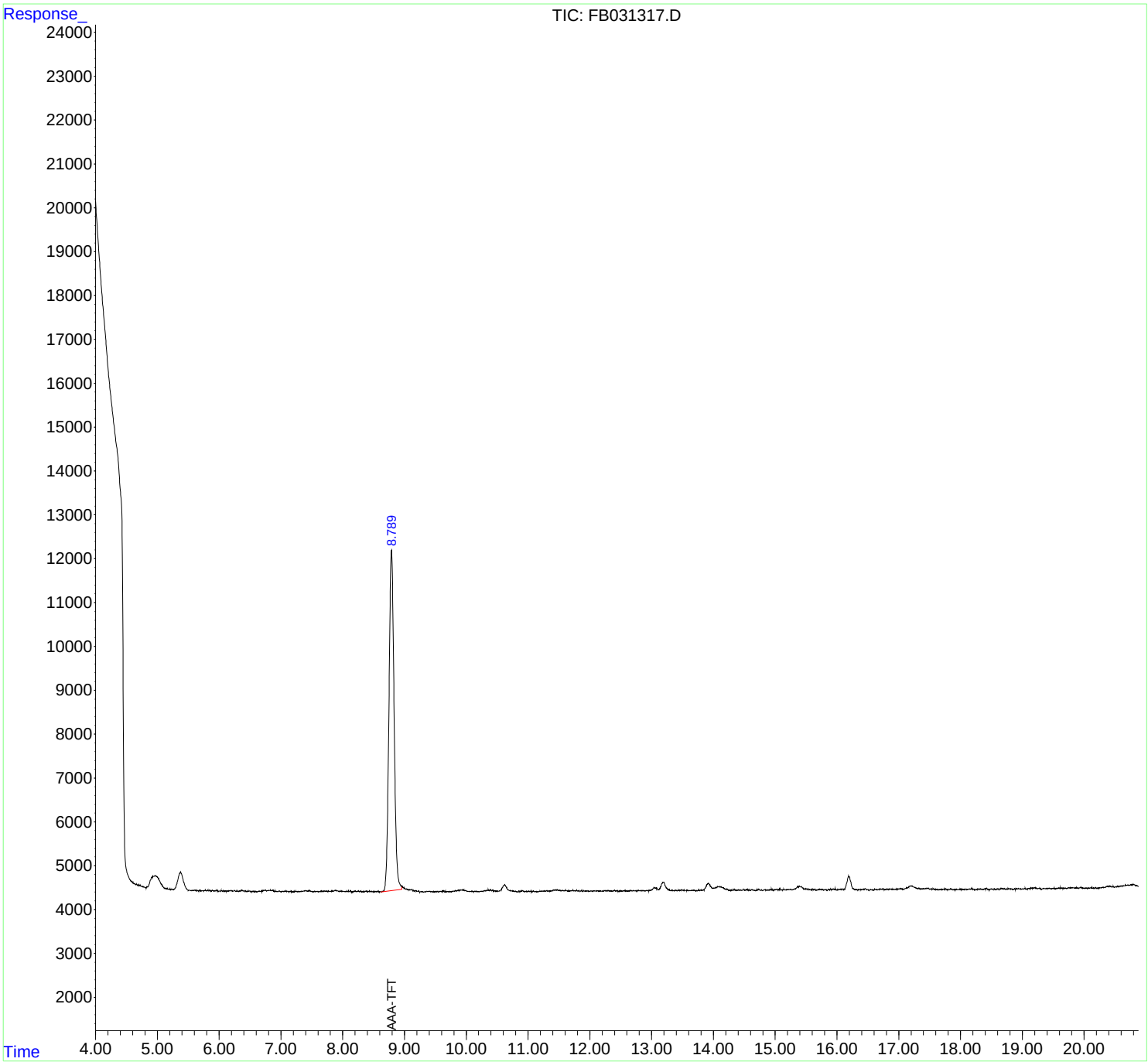
(f)=RT Delta > 1/2 Window (m)=manual int.

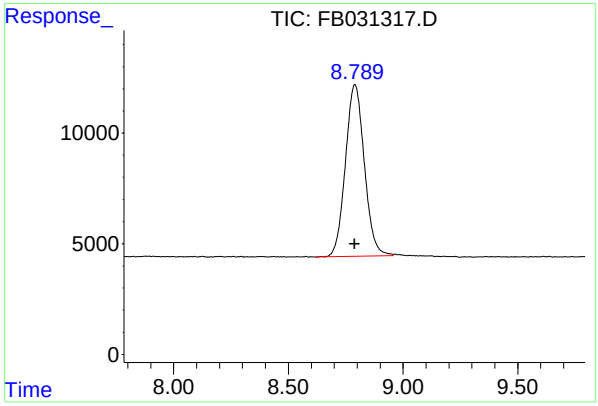
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011725\
Data File : FB031317.D
Signal(s) : FID2B.CH
Acq On : 17 Jan 2025 11:05
Operator : YP/AJ
Sample : Q1109-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TAPIAL1-MW04S-011525-00-T2

Integration File: Calibration.e
Quant Time: Jan 18 01:28:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 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.: 8.790 min
Delta R.T.: 0.000 mi
Response: 444549
Conc: 18.64 ng/m

Instrument :
FID_B
ClientSampleId :
TAPIAL1-MW04S-011525-00-T2

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011725\
Data File : FB031317.D
Signal(s) : FID2B.CH
Acq On : 17 Jan 2025 11:05
Sample : Q1109-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.662	4.621	4.686	BV	10	143	0.03%	0.023%
2	4.699	4.686	4.721	PV	21	236	0.05%	0.037%
3	4.726	4.721	4.814	VV	17	374	0.08%	0.059%
4	5.130	5.120	5.146	VV	23	284	0.06%	0.045%
5	5.164	5.146	5.174	VV	23	240	0.05%	0.038%
6	5.182	5.174	5.194	VV	14	115	0.03%	0.018%
7	5.202	5.194	5.232	VV	17	110	0.02%	0.017%
8	5.252	5.232	5.264	VV	19	204	0.05%	0.032%
9	5.520	5.503	5.564	VV	11	208	0.05%	0.033%
10	5.570	5.564	5.580	VV	10	47	0.01%	0.007%
11	5.603	5.580	5.634	VV	22	344	0.08%	0.054%
12	5.641	5.634	5.665	PV	19	175	0.04%	0.028%
13	5.686	5.665	5.696	PV	19	210	0.05%	0.033%
14	5.704	5.696	5.715	VV	15	83	0.02%	0.013%
15	5.777	5.715	5.831	VV	26	882	0.19%	0.140%
16	5.840	5.831	5.879	VV	24	366	0.08%	0.058%
17	5.889	5.879	5.899	VV	32	227	0.05%	0.036%
18	5.905	5.899	5.923	VV	15	159	0.04%	0.025%
19	5.963	5.923	5.995	VV	25	528	0.12%	0.084%
20	6.008	5.995	6.020	PV	11	90	0.02%	0.014%
21	6.032	6.020	6.051	VV	27	239	0.05%	0.038%
22	6.066	6.051	6.076	VV	25	174	0.04%	0.028%
23	6.105	6.076	6.113	VV	18	249	0.06%	0.039%
24	6.121	6.113	6.140	VV	13	165	0.04%	0.026%
25	6.148	6.140	6.156	VV	22	128	0.03%	0.020%
26	6.171	6.156	6.182	VV	21	260	0.06%	0.041%
27	6.196	6.182	6.210	VV	32	363	0.08%	0.057%
28	6.247	6.210	6.281	VV	32	630	0.14%	0.100%
29	6.293	6.281	6.306	VV	29	224	0.05%	0.035%
30	6.331	6.306	6.342	VV	22	238	0.05%	0.038%
31	6.362	6.342	6.394	VV	34	763	0.17%	0.121%
32	6.406	6.394	6.419	VV	29	295	0.07%	0.047%
33	6.431	6.419	6.448	VV	28	244	0.05%	0.039%
34	6.468	6.448	6.513	VV	21	528	0.12%	0.084%
35	6.522	6.513	6.528	VV	15	65	0.01%	0.010%
36	6.538	6.528	6.552	VV	21	155	0.03%	0.025%

rteres

37	6.562	6.552	6.577	VV	23	147	0.03%	0.023%
38	6.592	6.577	6.619	VV	16	159	0.04%	0.025%
39	6.656	6.619	6.665	PV	22	333	0.07%	0.053%
40	6.681	6.665	6.689	VV	27	212	0.05%	0.034%
41	6.698	6.689	6.705	VV	36	188	0.04%	0.030%
42	6.747	6.705	6.771	VV	50	1261	0.28%	0.200%
43	6.829	6.818	6.851	VV	45	684	0.15%	0.108%
44	6.861	6.851	6.869	VV	42	365	0.08%	0.058%
45	6.876	6.869	6.898	VV	42	436	0.10%	0.069%
46	6.907	6.898	6.936	VV	26	344	0.08%	0.055%
47	6.945	6.936	6.954	VV	13	131	0.03%	0.021%
48	6.974	6.954	7.009	VV	29	485	0.11%	0.077%
49	7.028	7.009	7.045	VV	20	277	0.06%	0.044%
50	7.057	7.045	7.068	VV	27	263	0.06%	0.042%
51	7.081	7.068	7.097	VV	26	354	0.08%	0.056%
52	7.116	7.097	7.126	VV	23	302	0.07%	0.048%
53	7.142	7.126	7.154	VV	20	239	0.05%	0.038%
54	7.162	7.154	7.218	VV	24	394	0.09%	0.062%
55	7.242	7.218	7.268	PV	24	440	0.10%	0.070%
56	7.278	7.268	7.303	VV	20	295	0.07%	0.047%
57	7.337	7.303	7.349	VV	29	491	0.11%	0.078%
58	7.396	7.349	7.430	VV	38	1326	0.29%	0.210%
59	7.441	7.430	7.449	VV	32	294	0.07%	0.047%
60	7.466	7.449	7.485	VV	39	654	0.14%	0.104%
61	7.501	7.485	7.529	VV	23	415	0.09%	0.066%
62	7.550	7.529	7.560	VV	25	258	0.06%	0.041%
63	7.574	7.560	7.587	VV	19	248	0.05%	0.039%
64	7.595	7.587	7.619	VV	26	252	0.06%	0.040%
65	7.662	7.619	7.696	VV	35	947	0.21%	0.150%
66	7.705	7.696	7.716	VV	33	313	0.07%	0.050%
67	7.723	7.716	7.732	VV	29	220	0.05%	0.035%
68	7.743	7.732	7.759	VV	32	369	0.08%	0.058%
69	7.769	7.759	7.786	VV	30	322	0.07%	0.051%
70	7.798	7.786	7.808	VV	23	276	0.06%	0.044%
71	7.827	7.808	7.836	VV	37	413	0.09%	0.065%
72	7.850	7.836	7.857	VV	27	310	0.07%	0.049%
73	7.877	7.857	7.945	VV	47	1779	0.39%	0.282%
74	7.952	7.945	7.961	VV	20	183	0.04%	0.029%
75	7.970	7.961	8.023	VV	26	777	0.17%	0.123%
76	8.031	8.023	8.086	VV	20	638	0.14%	0.101%
77	8.092	8.086	8.103	VV	42	237	0.05%	0.037%
78	8.126	8.103	8.153	VV	44	596	0.13%	0.094%
79	8.165	8.153	8.171	VV	19	113	0.02%	0.018%
80	8.187	8.171	8.196	VV	27	312	0.07%	0.049%
81	8.205	8.196	8.220	VV	33	334	0.07%	0.053%
82	8.242	8.220	8.252	VV	27	370	0.08%	0.059%
83	8.261	8.252	8.272	VV	33	248	0.05%	0.039%
84	8.294	8.272	8.304	VV	36	401	0.09%	0.063%
85	8.320	8.304	8.328	VV	18	209	0.05%	0.033%
86	8.344	8.328	8.355	VV	18	202	0.04%	0.032%
87	8.367	8.355	8.384	VV	26	346	0.08%	0.055%
88	8.394	8.384	8.409	VV	28	312	0.07%	0.049%
89	8.435	8.409	8.446	VV	27	411	0.09%	0.065%

rteres

90	8.453	8.446	8.492	VV	25	459	0.10%	0.073%
91	8.514	8.492	8.526	VV	16	238	0.05%	0.038%
92	8.540	8.526	8.558	VV	24	292	0.06%	0.046%
93	8.578	8.558	8.592	VV	32	339	0.07%	0.054%
94	8.601	8.592	8.621	VV	19	218	0.05%	0.034%
95	8.651	8.621	8.659	VV	26	390	0.09%	0.062%
96	8.790	8.659	8.957	VV	7805	452198	100.00%	71.575%
97	8.965	8.957	9.020	VV	142	3958	0.88%	0.626%
98	9.029	9.020	9.071	VV	82	2121	0.47%	0.336%
99	9.077	9.071	9.096	VV	67	910	0.20%	0.144%
100	9.103	9.096	9.111	VV	61	503	0.11%	0.080%
101	9.123	9.111	9.163	VV	64	1380	0.31%	0.218%
102	9.181	9.163	9.218	VV	43	1056	0.23%	0.167%
103	9.229	9.218	9.247	VV	36	408	0.09%	0.065%
104	9.268	9.247	9.276	PV	21	230	0.05%	0.036%
105	9.294	9.276	9.312	VV	21	271	0.06%	0.043%
106	9.361	9.312	9.377	VV	27	652	0.14%	0.103%
107	9.391	9.377	9.460	VV	27	899	0.20%	0.142%
108	9.475	9.460	9.483	VV	22	176	0.04%	0.028%
109	9.498	9.483	9.512	VV	23	292	0.06%	0.046%
110	9.524	9.512	9.543	VV	24	291	0.06%	0.046%
111	9.559	9.543	9.575	VV	27	315	0.07%	0.050%
112	9.581	9.575	9.600	VV	26	283	0.06%	0.045%
113	9.613	9.600	9.681	VV	41	954	0.21%	0.151%
114	9.708	9.681	9.718	VV	20	329	0.07%	0.052%
115	9.737	9.718	9.748	VV	24	256	0.06%	0.041%
116	9.786	9.748	9.811	VV	30	798	0.18%	0.126%
117	9.822	9.811	9.845	VV	41	669	0.15%	0.106%
118	9.868	9.845	9.875	VV	50	667	0.15%	0.106%
119	9.948	9.875	9.992	VV	67	3201	0.71%	0.507%
120	9.998	9.992	10.043	VV	41	750	0.17%	0.119%
121	10.048	10.043	10.059	VV	23	174	0.04%	0.028%
122	10.107	10.059	10.119	VV	24	642	0.14%	0.102%
123	10.142	10.119	10.168	VV	22	502	0.11%	0.080%
124	10.186	10.168	10.210	VV	20	413	0.09%	0.065%
125	10.232	10.210	10.240	VV	24	327	0.07%	0.052%
126	10.249	10.240	10.259	VV	19	201	0.04%	0.032%
127	10.269	10.259	10.277	VV	27	232	0.05%	0.037%
128	10.296	10.277	10.307	VV	41	554	0.12%	0.088%
129	10.340	10.307	10.350	VV	43	974	0.22%	0.154%
130	10.359	10.350	10.382	VV	52	821	0.18%	0.130%
131	10.392	10.382	10.411	VV	68	841	0.19%	0.133%
132	10.424	10.411	10.476	VV	49	1299	0.29%	0.206%
133	10.484	10.476	10.519	VV	34	612	0.14%	0.097%
134	10.624	10.519	10.789	VV	169	10663	2.36%	1.688%
135	10.800	10.789	10.809	VV	25	197	0.04%	0.031%
136	10.817	10.809	10.840	VV	16	164	0.04%	0.026%
137	10.852	10.840	10.883	PV	22	398	0.09%	0.063%
138	10.912	10.883	10.942	VV	37	816	0.18%	0.129%
139	10.951	10.942	10.955	VV	10	58	0.01%	0.009%
140	10.973	10.955	10.992	VV	23	254	0.06%	0.040%
141	11.003	10.992	11.023	VV	25	283	0.06%	0.045%

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142	11.048	11.023	11.065	VV	30	330	0.07%	0.052%
143	11.087	11.065	11.164	VV	29	582	0.13%	0.092%
144	11.195	11.164	11.234	VV	21	552	0.12%	0.087%
145	11.312	11.234	11.326	VV	31	1075	0.24%	0.170%
146	11.342	11.326	11.359	VV	27	380	0.08%	0.060%
147	11.418	11.359	11.504	VV	48	2948	0.65%	0.467%
148	11.512	11.504	11.540	VV	39	616	0.14%	0.097%
149	11.553	11.540	11.587	VV	36	741	0.16%	0.117%
150	11.603	11.587	11.664	VV	38	982	0.22%	0.155%
151	11.728	11.664	11.774	VV	38	1388	0.31%	0.220%
152	11.786	11.774	11.807	VV	32	411	0.09%	0.065%
153	11.826	11.807	11.843	VV	23	321	0.07%	0.051%
154	11.868	11.843	11.884	PV	25	376	0.08%	0.060%
155	11.905	11.884	11.986	VV	24	758	0.17%	0.120%
156	12.023	11.986	12.049	VV	21	351	0.08%	0.056%
157	12.071	12.049	12.119	VV	15	501	0.11%	0.079%
158	12.128	12.119	12.225	VB	16	549	0.12%	0.087%
159	12.286	12.228	12.369	BV	17	350	0.08%	0.055%
160	12.399	12.369	12.437	VV	29	411	0.09%	0.065%
161	12.449	12.437	12.465	VV	21	130	0.03%	0.021%
162	12.504	12.465	12.523	PV	18	268	0.06%	0.042%
163	12.564	12.523	12.624	PV	25	653	0.14%	0.103%
164	12.654	12.624	12.696	VV	18	589	0.13%	0.093%
165	12.710	12.696	12.756	VV	23	558	0.12%	0.088%
166	12.792	12.756	12.812	VV	25	517	0.11%	0.082%
167	12.848	12.812	12.899	VV	22	830	0.18%	0.131%
168	12.925	12.899	12.957	VV	25	584	0.13%	0.092%
169	13.041	12.957	13.108	VV	94	4641	1.03%	0.735%
170	13.195	13.108	13.307	VV	209	11696	2.59%	1.851%
171	13.330	13.307	13.363	VV	16	533	0.12%	0.084%
172	13.395	13.363	13.416	VV	27	559	0.12%	0.088%
173	13.484	13.416	13.541	VV	36	1527	0.34%	0.242%
174	13.566	13.541	13.658	VV	25	1163	0.26%	0.184%
175	13.688	13.658	13.710	VV	28	579	0.13%	0.092%
176	13.727	13.710	13.742	VV	17	232	0.05%	0.037%
177	13.764	13.742	13.778	VV	23	343	0.08%	0.054%
178	13.794	13.778	13.819	VV	27	470	0.10%	0.074%
179	13.920	13.819	13.995	VV	180	10028	2.22%	1.587%
180	14.069	13.995	14.299	VV	106	11186	2.47%	1.770%
181	14.348	14.299	14.381	VV	36	984	0.22%	0.156%
182	14.409	14.381	14.424	VV	27	460	0.10%	0.073%
183	14.446	14.424	14.465	VV	19	394	0.09%	0.062%
184	14.484	14.465	14.515	VV	27	627	0.14%	0.099%
185	14.558	14.515	14.599	VV	40	1132	0.25%	0.179%
186	14.631	14.599	14.682	VV	34	896	0.20%	0.142%
187	14.736	14.682	14.769	VV	29	964	0.21%	0.153%
188	14.779	14.769	14.795	VV	23	237	0.05%	0.037%
189	14.833	14.795	14.869	VV	30	853	0.19%	0.135%
190	14.917	14.869	14.972	VV	33	1257	0.28%	0.199%
191	15.027	14.972	15.067	VV	38	1382	0.31%	0.219%
192	15.077	15.067	15.123	VV	49	863	0.19%	0.137%
193	15.242	15.123	15.272	VV	35	2228	0.49%	0.353%
194	15.392	15.272	15.481	VV	109	7757	1.72%	1.228%

					rteres			
195	15.498	15.481	15.584	VV	47	1927	0.43%	0.305%
196	15.608	15.584	15.662	VV	41	1059	0.23%	0.168%
197	15.758	15.662	15.796	VV	34	1779	0.39%	0.282%
198	15.814	15.796	15.843	VV	24	469	0.10%	0.074%
199	15.865	15.843	15.885	PV	30	504	0.11%	0.080%
200	15.897	15.885	15.915	VV	30	455	0.10%	0.072%
201	15.969	15.915	15.997	VV	39	1169	0.26%	0.185%
202	16.063	15.997	16.080	VV	29	872	0.19%	0.138%
203	16.193	16.080	16.339	VV	306	15014	3.32%	2.376%
204	16.370	16.339	16.391	VV	14	235	0.05%	0.037%
			Sum of corrected areas:			631782		

FB011525.M Sat Jan 18 02:06:48 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.: Q1109 SAS No.: Q1109 SDG No.: Q1109

Calibration Sequence : FB011525		Test : Gasoline Range Organics	
Concentration (PPB)	**Area Count**	**Reference Factor**	**File ID**
45	1619248	35983	FB031307.D
90	2849383	31660	FB031308.D
180	5927461	32930	FB031309.D
450	17402832	38673	FB031310.D
900	36014388	40016	FB031311.D

AVG RF : 35852 **% RSD : 10.001** **AVG RT : 8.7886**

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011525\
Data File : FB031307.D
Signal(s) : FID2B.CH
Acq On : 15 Jan 2025 10:20
Operator : YP/AJ
Sample : 5 GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
5 GRO STD

Integration File: Calibration.e
Quant Time: Jan 15 11:20:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 11:19:27 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	8.786	115906	4.680	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.718	233598	7.655	ng/ml
2) t	2,2,4-Trimethylpentane	7.413	275493	7.888	ng/ml
3) t	n-Heptane	7.745	76823	2.289	ng/ml
4) t	Benzene	7.885	96940	2.457	ng/ml
6) t	Toluene	10.613	281739	7.767	ng/ml
7) t	Ethylbenzene	13.049	90664	2.859	ng/ml
8) t	m-Xylene	13.183	196650	5.784	ng/ml
9) t	O-Xylene	13.911	197897	6.226	ng/ml
10) t	1,2,4-Trimethylbenzene	16.188	169444	6.606	ng/ml

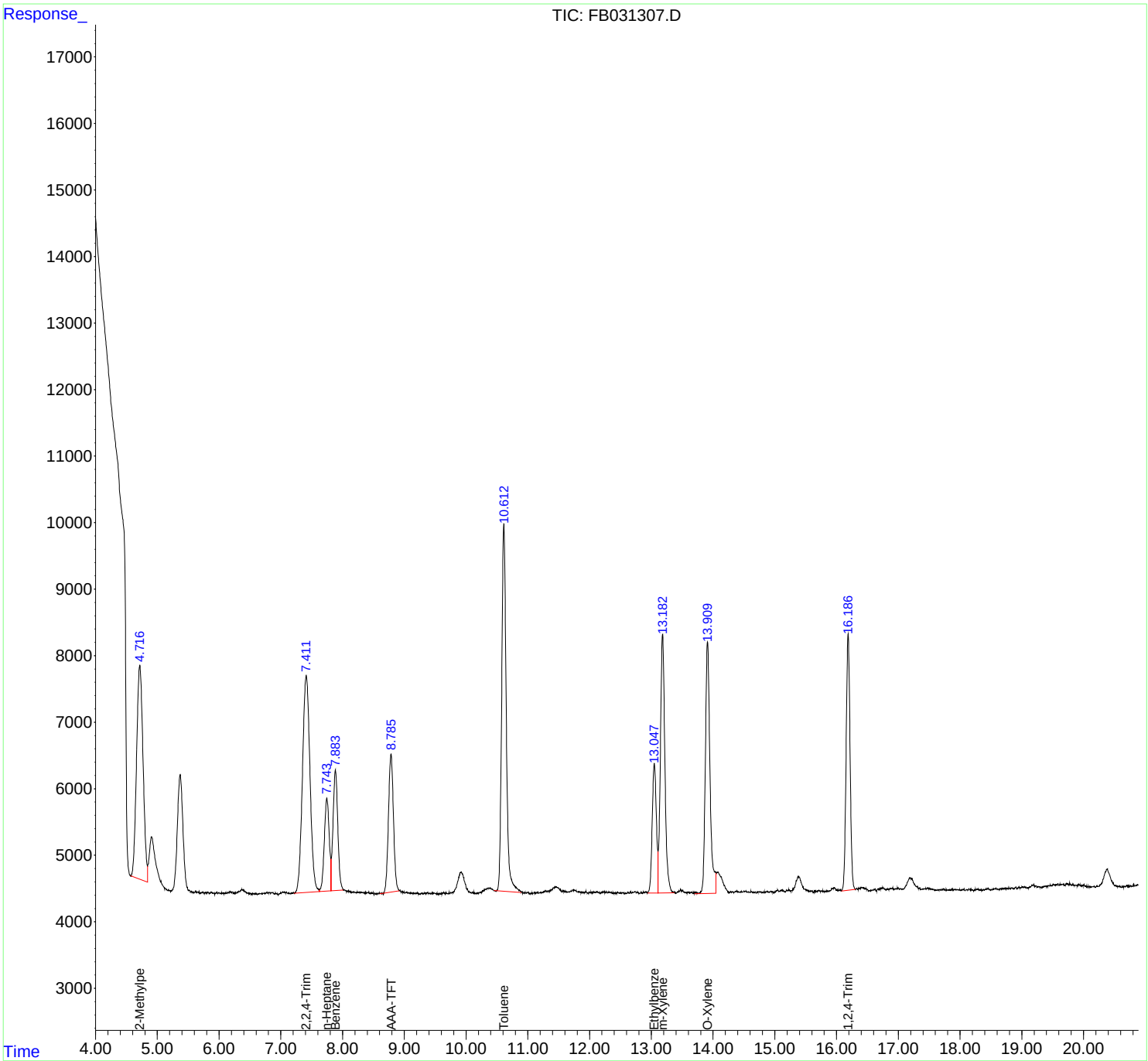
(f)=RT Delta > 1/2 Window (m)=manual int.

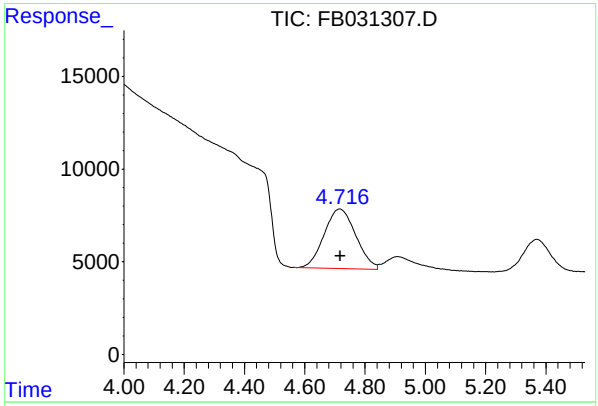
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011525\
Data File : FB031307.D
Signal(s) : FID2B.CH
Acq On : 15 Jan 2025 10:20
Operator : YP/AJ
Sample : 5 GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
5 GRO STD

Integration File: Calibration.e
Quant Time: Jan 15 11:20:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 11:19:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

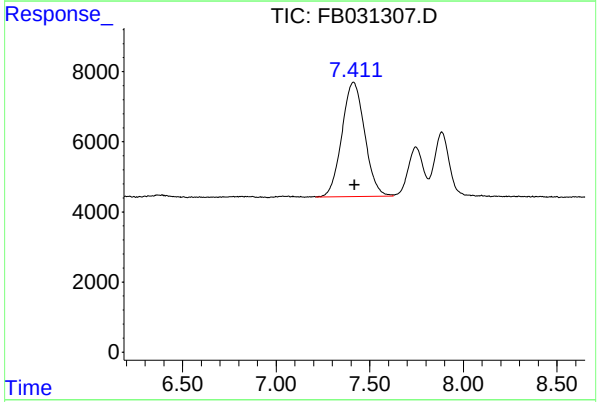




#1 2-Methylpentane

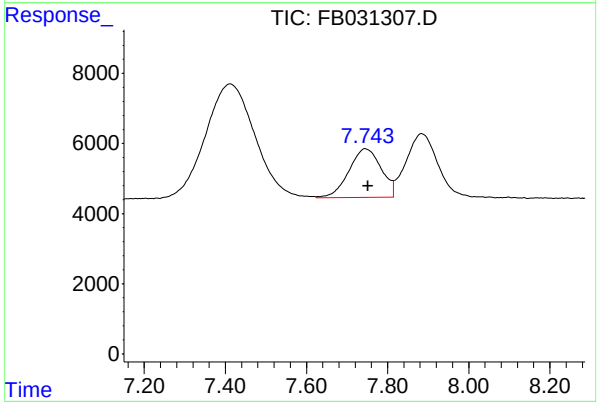
R.T.: 4.718 min
Delta R.T.: 0.000 min
Response: 233598
Conc: 7.65 ng/ml

Instrument :
FID_B
ClientSampleId :
5 GRO STD



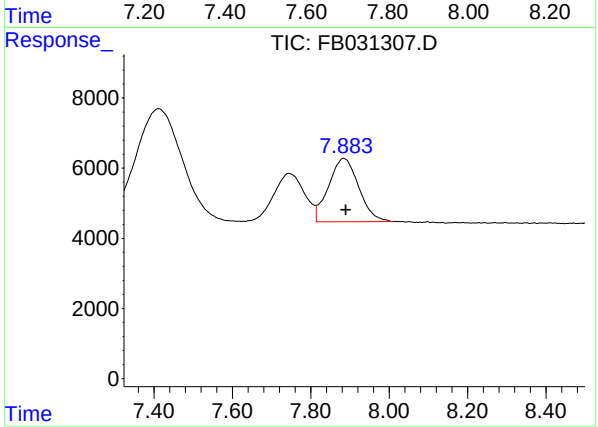
#2 2,2,4-Trimethylpentane

R.T.: 7.413 min
Delta R.T.: -0.007 min
Response: 275493
Conc: 7.89 ng/ml



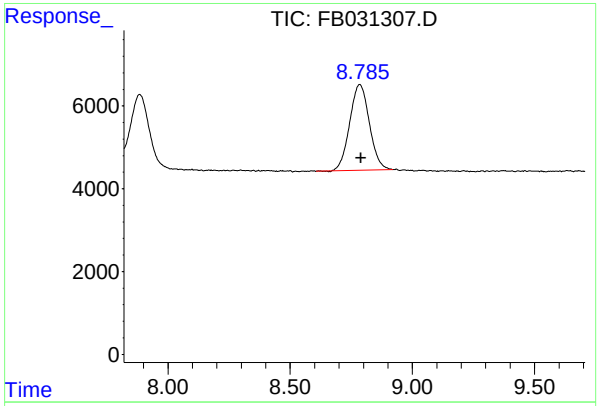
#3 n-Heptane

R.T.: 7.745 min
Delta R.T.: -0.006 min
Response: 76823
Conc: 2.29 ng/ml



#4 Benzene

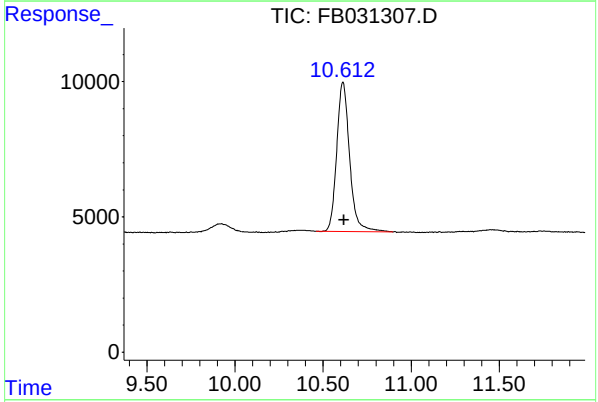
R.T.: 7.885 min
Delta R.T.: -0.005 min
Response: 96940
Conc: 2.46 ng/ml



#5 AAA-TFT

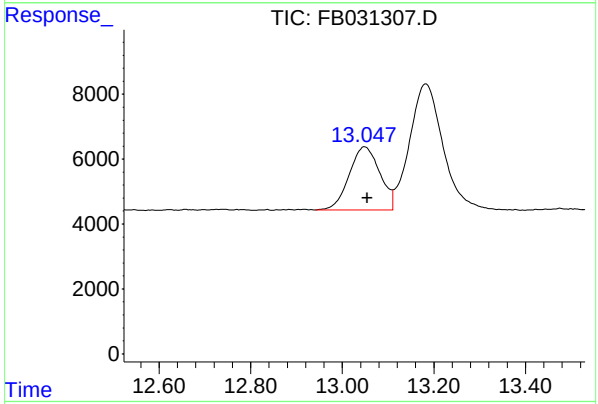
R.T.: 8.786 min
Delta R.T.: -0.003 min
Response: 115906
Conc: 4.68 ng/ml

Instrument :
FID_B
ClientSampleId :
5 GRO STD



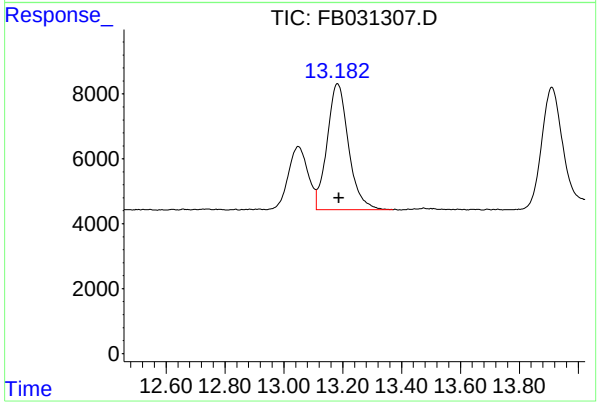
#6 Toluene

R.T.: 10.613 min
Delta R.T.: -0.005 min
Response: 281739
Conc: 7.77 ng/ml



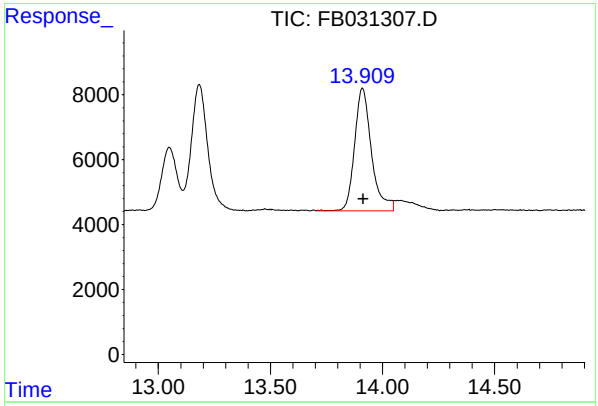
#7 Ethylbenzene

R.T.: 13.049 min
Delta R.T.: -0.005 min
Response: 90664
Conc: 2.86 ng/ml



#8 m-Xylene

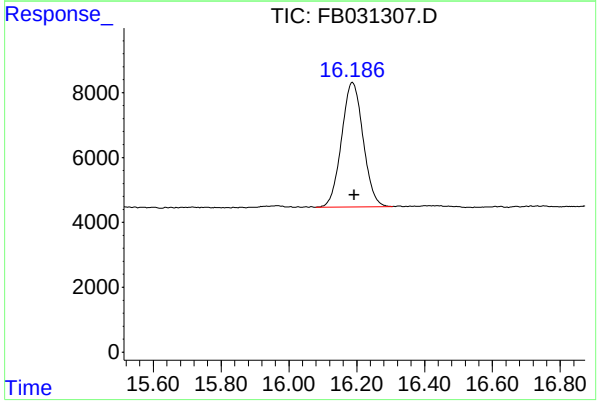
R.T.: 13.183 min
Delta R.T.: -0.005 min
Response: 196650
Conc: 5.78 ng/ml



#9 O-Xylene

R.T.: 13.911 min
Delta R.T.: -0.005 min
Response: 197897
Conc: 6.23 ng/ml

Instrument :
FID_B
ClientSampleId :
5 GRO STD



#10 1,2,4-Trimethylbenzene

R.T.: 16.188 min
Delta R.T.: -0.004 min
Response: 169444
Conc: 6.61 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011525\
Data File : FB031307.D
Signal(s) : FID2B.CH
Acq On : 15 Jan 2025 10:20
Sample : 5 GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.718	4.565	4.841	BV	3212	233598	82.91%	13.463%
2	7.413	7.213	7.624	PV	3262	275493	97.78%	15.877%
3	7.745	7.624	7.814	VV	1396	76823	27.27%	4.427%
4	7.885	7.814	8.011	VV	1811	96940	34.41%	5.587%
5	8.786	8.606	8.921	PV	2076	115906	41.14%	6.680%
6	10.613	10.460	10.897	BV	5526	281739	100.00%	16.237%
7	13.049	12.941	13.110	VV	1950	90664	32.18%	5.225%
8	13.183	13.110	13.371	VV	3888	196650	69.80%	11.333%
9	13.911	13.705	14.048	PV	3780	197897	70.24%	11.405%
10	16.188	16.079	16.306	PV	3845	169444	60.14%	9.765%

Sum of corrected areas: 1735154

FB011525.M Wed Jan 15 13:12:02 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011525\
Data File : FB031308.D
Signal(s) : FID2B.CH
Acq On : 15 Jan 2025 10:47
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: Jan 15 11:21:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 11:19:27 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	8.789	244936	10.217	ng/ml
Target Compounds					
1) t	2-Methylpentane	4.720	431842	14.006	ng/ml
2) t	2,2,4-Trimethylpentane	7.419	507274	14.158	ng/ml
3) t	n-Heptane	7.753	160152	4.983	ng/ml
4) t	Benzene	7.890	182595	4.668	ng/ml
6) t	Toluene	10.617	517285	14.011	ng/ml
7) t	Ethylbenzene	13.052	152171	4.477	ng/ml
8) t	m-Xylene	13.186	328529	8.961	ng/ml
9) t	O-Xylene	13.914	316418	8.867	ng/ml
10) t	1,2,4-Trimethylbenzene	16.191	253117	8.502	ng/ml

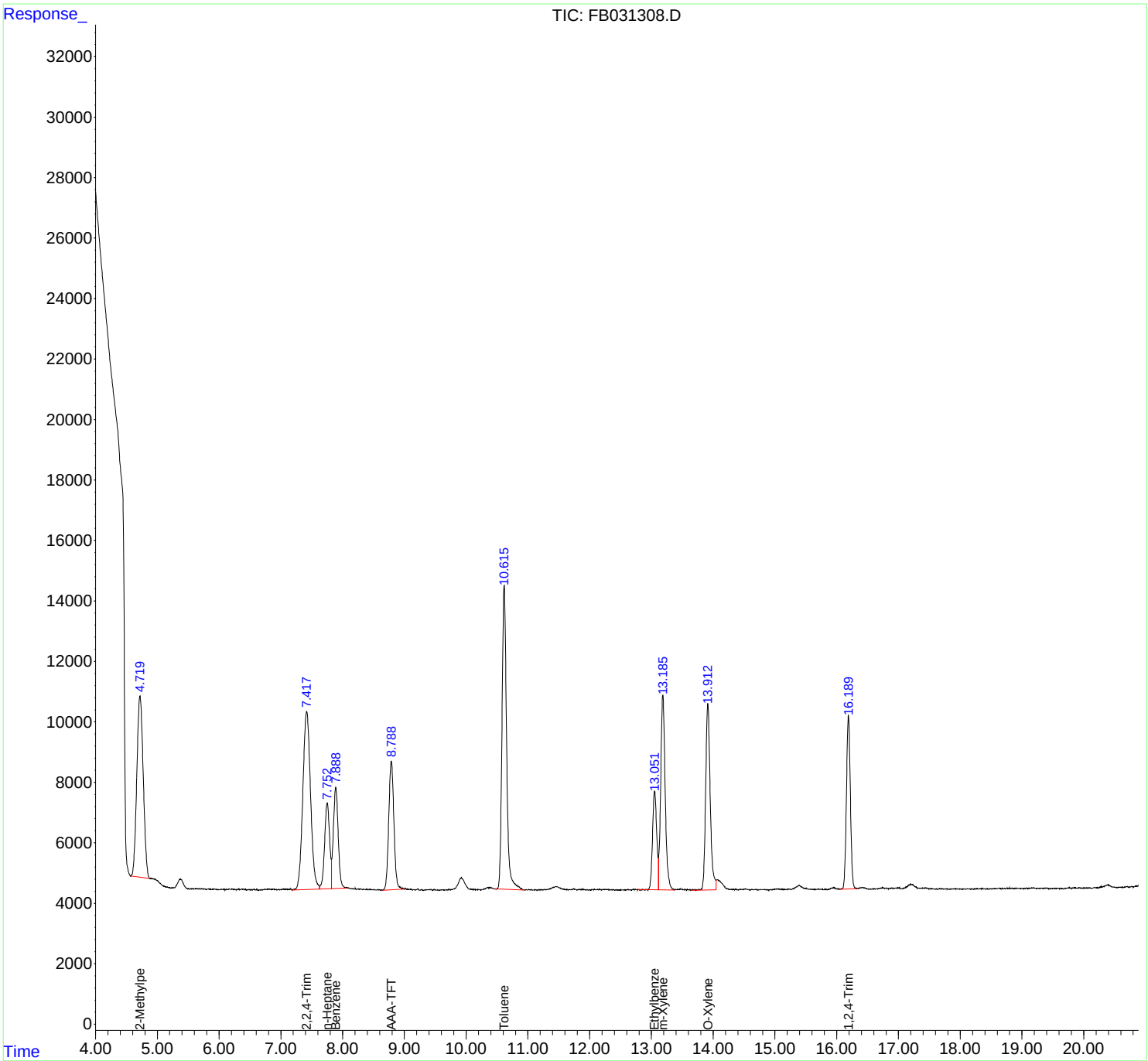
(f)=RT Delta > 1/2 Window (m)=manual int.

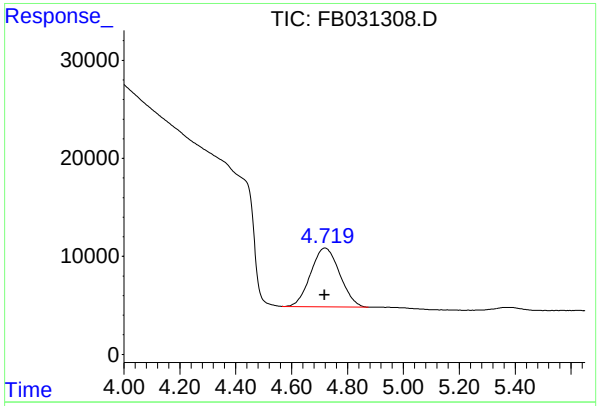
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011525\
Data File : FB031308.D
Signal(s) : FID2B.CH
Acq On : 15 Jan 2025 10:47
Operator : YP/AJ
Sample : 10 GRO STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
10 GRO STD

Integration File: Calibration.e
Quant Time: Jan 15 11:21:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 11:19:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

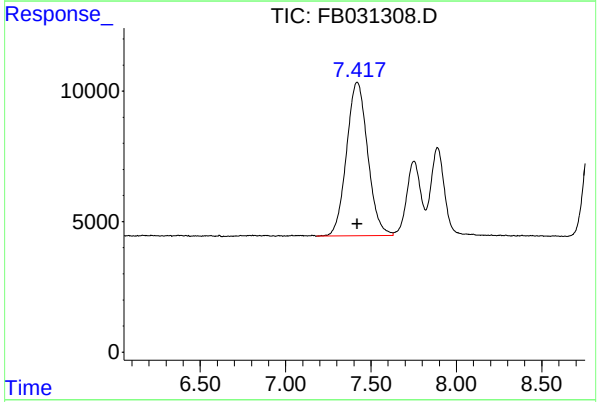




#1 2-Methylpentane

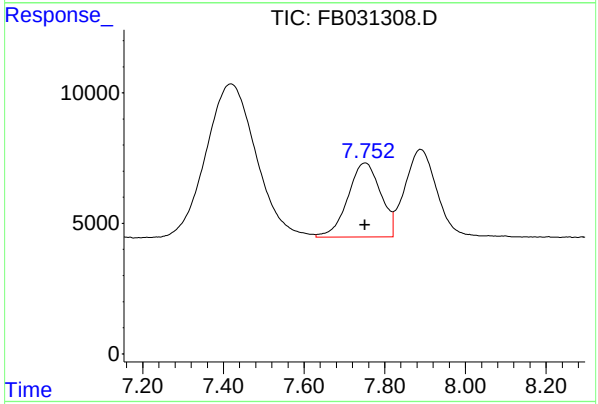
R.T.: 4.720 min
Delta R.T.: 0.002 min
Response: 431842
Conc: 14.01 ng/ml

Instrument :
FID_B
ClientSampleId :
10 GRO STD



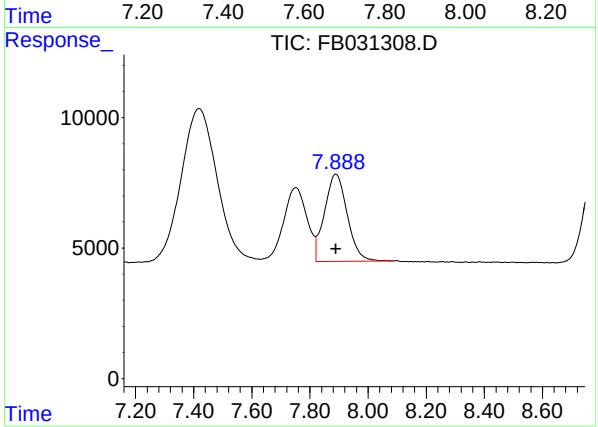
#2 2,2,4-Trimethylpentane

R.T.: 7.419 min
Delta R.T.: 0.000 min
Response: 507274
Conc: 14.16 ng/ml



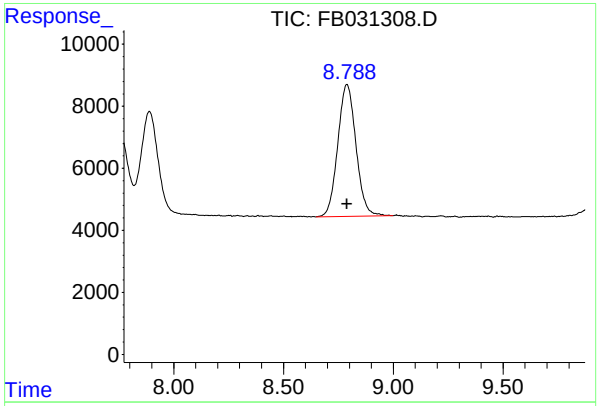
#3 n-Heptane

R.T.: 7.753 min
Delta R.T.: 0.002 min
Response: 160152
Conc: 4.98 ng/ml



#4 Benzene

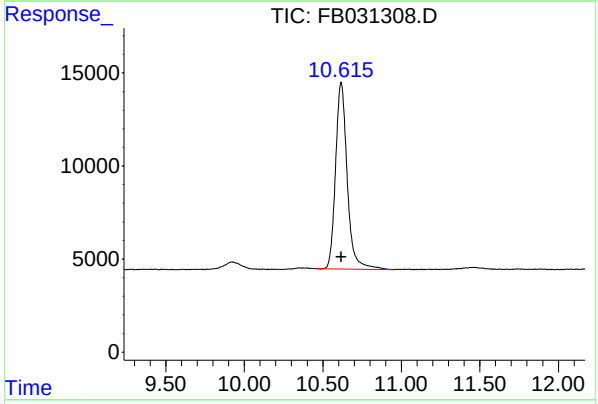
R.T.: 7.890 min
Delta R.T.: 0.000 min
Response: 182595
Conc: 4.67 ng/ml



#5 AAA-TFT

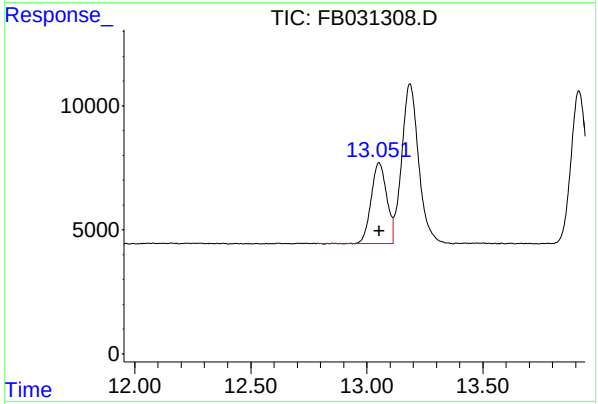
R.T.: 8.789 min
Delta R.T.: 0.000 min
Response: 244936
Conc: 10.22 ng/ml

Instrument :
FID_B
ClientSampleId :
10 GRO STD



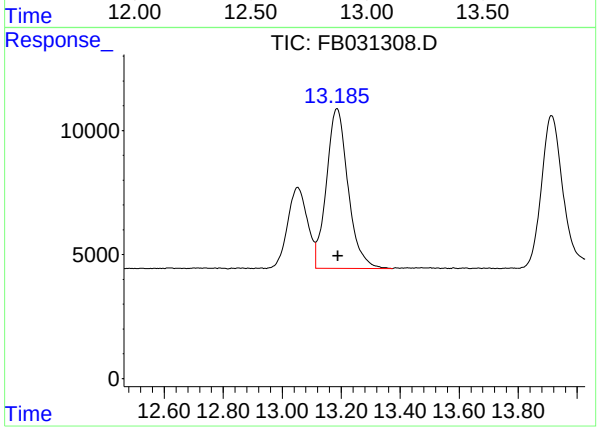
#6 Toluene

R.T.: 10.617 min
Delta R.T.: 0.000 min
Response: 517285
Conc: 14.01 ng/ml



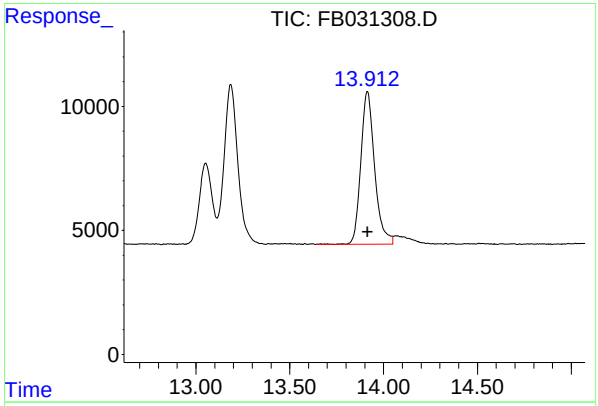
#7 Ethylbenzene

R.T.: 13.052 min
Delta R.T.: -0.002 min
Response: 152171
Conc: 4.48 ng/ml



#8 m-Xylene

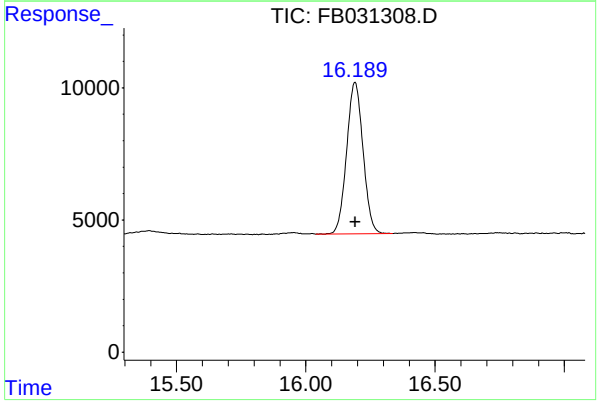
R.T.: 13.186 min
Delta R.T.: -0.002 min
Response: 328529
Conc: 8.96 ng/ml



#9 O-Xylene

R.T.: 13.914 min
Delta R.T.: -0.002 min
Response: 316418
Conc: 8.87 ng/ml

Instrument :
FID_B
ClientSampleId :
10 GRO STD



#10 1,2,4-Trimethylbenzene

R.T.: 16.191 min
Delta R.T.: -0.001 min
Response: 253117
Conc: 8.50 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011525\
Data File : FB031308.D
Signal(s) : FID2B.CH
Acq On : 15 Jan 2025 10:47
Sample : 10 GRO STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.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	4.565	4.875	BV	6002	431842	83.48%	13.956%
2	7.419	7.179	7.629	PV	5886	507274	98.06%	16.394%
3	7.753	7.629	7.820	VV	2841	160152	30.96%	5.176%
4	7.890	7.820	8.086	VV	3346	182595	35.30%	5.901%
5	8.789	8.648	8.999	PV	4259	244936	47.35%	7.916%
6	10.617	10.457	10.947	BV	10045	517285	100.00%	16.717%
7	13.052	12.781	13.113	BV	3267	152171	29.42%	4.918%
8	13.186	13.113	13.374	VV	6447	328529	63.51%	10.617%
9	13.914	13.639	14.049	PV	6166	316418	61.17%	10.226%
10	16.191	16.038	16.336	PV	5740	253117	48.93%	8.180%

Sum of corrected areas: 3094319

FB011525.M Wed Jan 15 13:12:21 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011525\
Data File : FB031309.D
Signal(s) : FID2B.CH
Acq On : 15 Jan 2025 11:13
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: Jan 15 11:19:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 11:19:27 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	495333	20.000	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.718	915530	30.000	ng/ml
2) t	2,2,4-Trimethylpentane	7.420	1047795	30.000	ng/ml
3) t	n-Heptane	7.751	335553	10.000	ng/ml
4) t	Benzene	7.890	394556	10.000	ng/ml
6) t	Toluene	10.618	1088237	30.000	ng/ml
7) t	Ethylbenzene	13.054	317078	10.000	ng/ml
8) t	m-Xylene	13.188	679935	20.000	ng/ml
9) t	O-Xylene	13.916	635755	20.000	ng/ml
10) t	1,2,4-Trimethylbenzene	16.192	513022	20.000	ng/ml

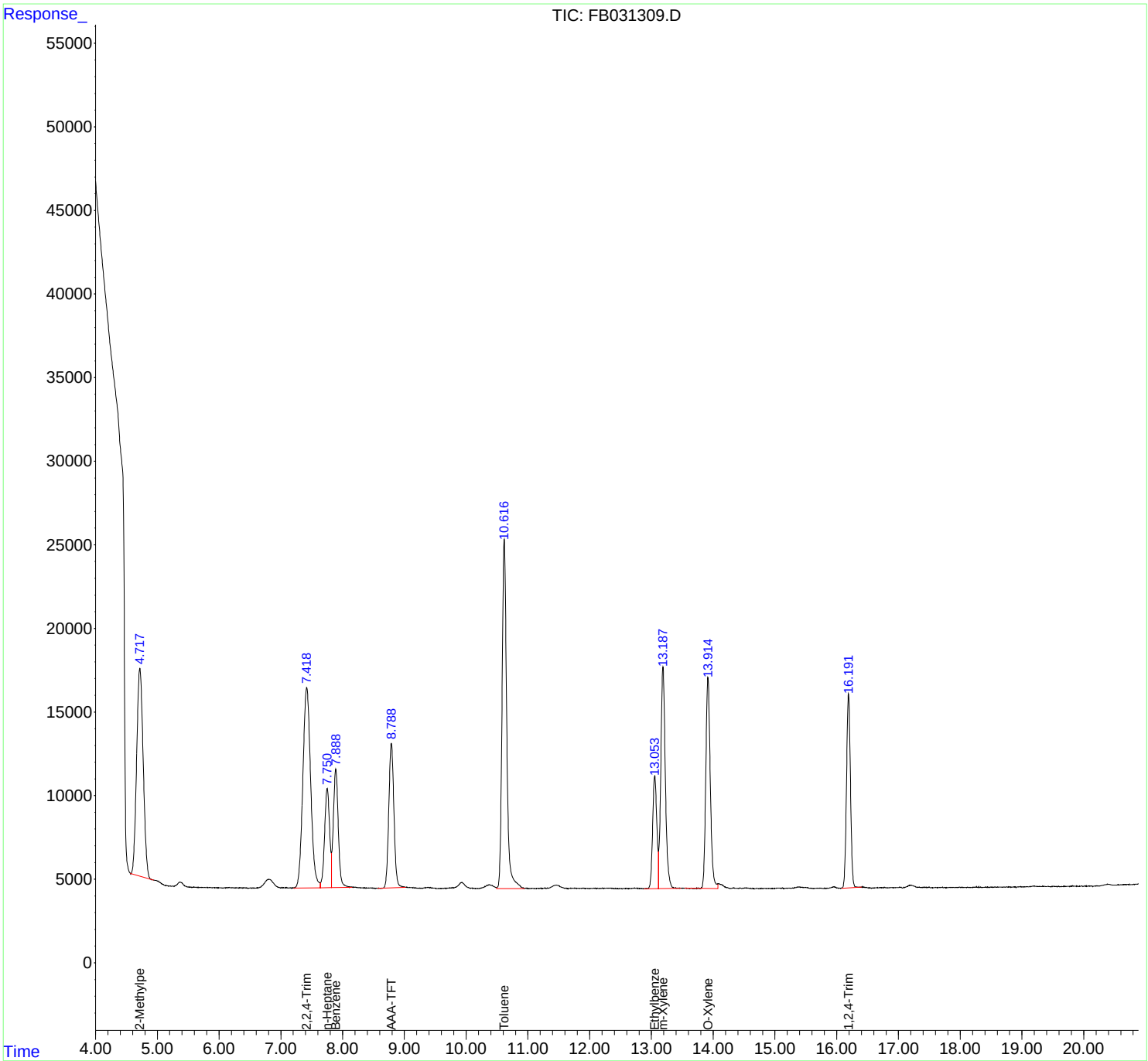
(f)=RT Delta > 1/2 Window (m)=manual int.

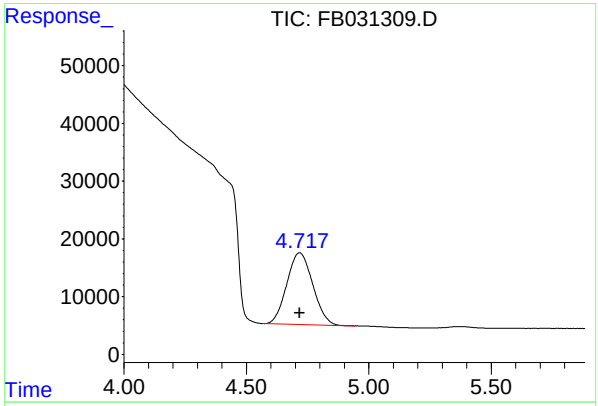
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011525\
Data File : FB031309.D
Signal(s) : FID2B.CH
Acq On : 15 Jan 2025 11:13
Operator : YP/AJ
Sample : 20 GRO STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 GRO STD

Integration File: Calibration.e
Quant Time: Jan 15 11:19:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 11:19:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

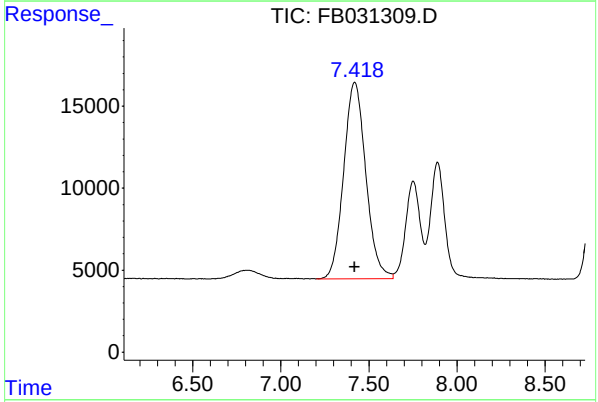




#1 2-Methylpentane

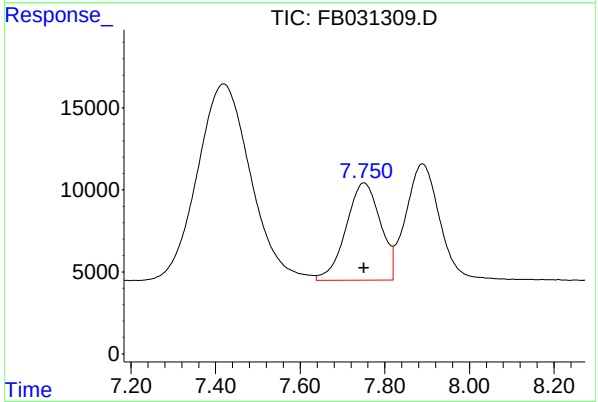
R.T.: 4.718 min
Delta R.T.: 0.000 min
Response: 915530
Conc: 30.00 ng/ml

Instrument :
FID_B
ClientSampleId :
20 GRO STD



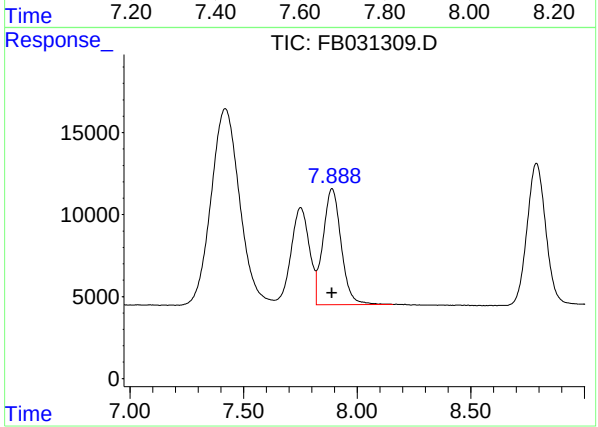
#2 2,2,4-Trimethylpentane

R.T.: 7.420 min
Delta R.T.: 0.000 min
Response: 1047795
Conc: 30.00 ng/ml



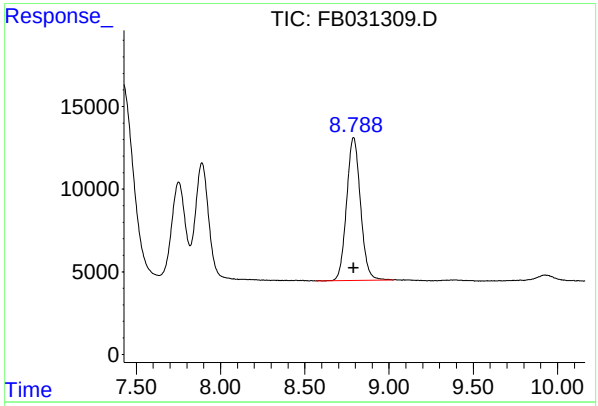
#3 n-Heptane

R.T.: 7.751 min
Delta R.T.: 0.000 min
Response: 335553
Conc: 10.00 ng/ml



#4 Benzene

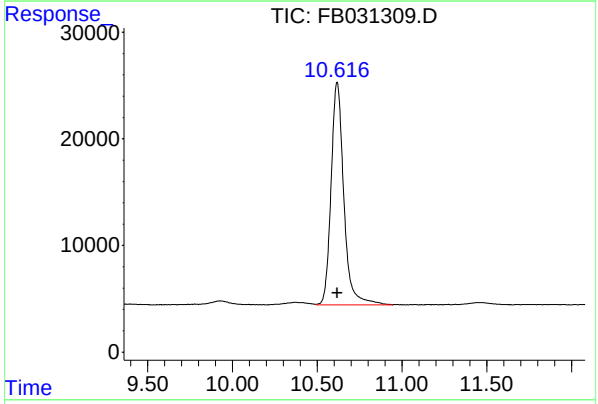
R.T.: 7.890 min
Delta R.T.: 0.000 min
Response: 394556
Conc: 10.00 ng/ml



#5 AAA-TFT

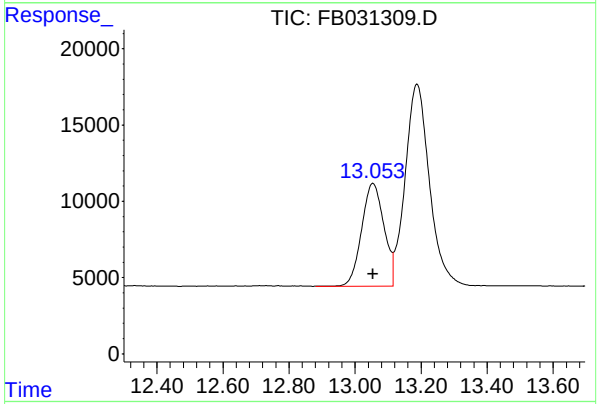
R.T.: 8.790 min
Delta R.T.: 0.000 min
Response: 495333
Conc: 20.00 ng/ml

Instrument :
FID_B
ClientSampleId :
20 GRO STD



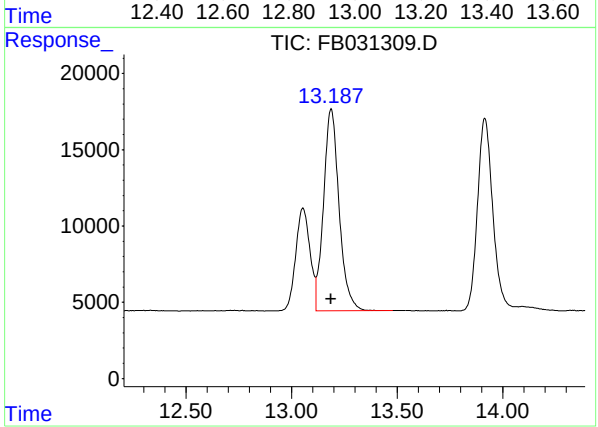
#6 Toluene

R.T.: 10.618 min
Delta R.T.: 0.000 min
Response: 1088237
Conc: 30.00 ng/ml



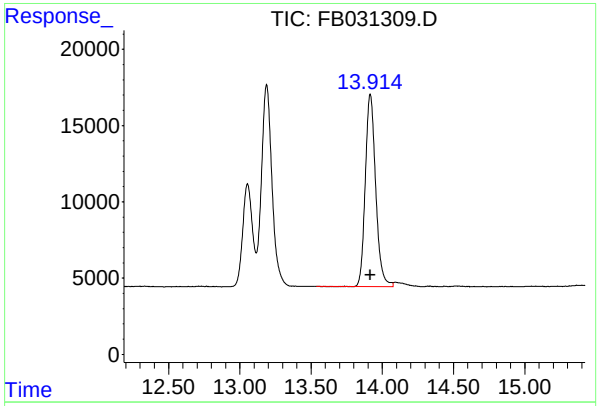
#7 Ethylbenzene

R.T.: 13.054 min
Delta R.T.: 0.000 min
Response: 317078
Conc: 10.00 ng/ml



#8 m-Xylene

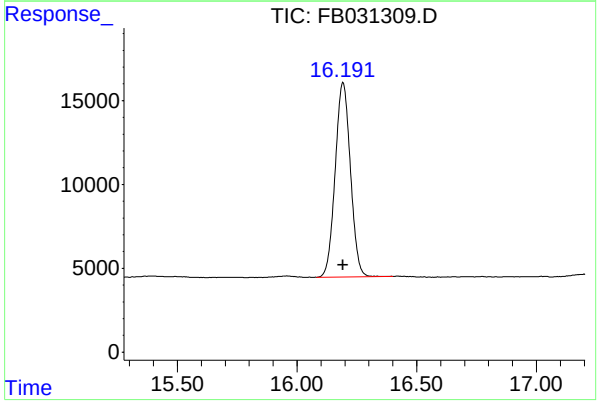
R.T.: 13.188 min
Delta R.T.: 0.000 min
Response: 679935
Conc: 20.00 ng/ml



#9 O-Xylene

R.T.: 13.916 min
Delta R.T.: 0.000 mi
Response: 635755
Conc: 20.00 ng/m

Instrument :
FID_B
ClientSampleId :
20 GRO STD



#10 1,2,4-Trimethylbenzene

R.T.: 16.192 min
Delta R.T.: 0.000 min
Response: 513022
Conc: 20.00 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011525\
Data File : FB031309.D
Signal(s) : FID2B.CH
Acq On : 15 Jan 2025 11:13
Sample : 20 GRO STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.718	4.565	4.943	BV	12437	915530	84.13%	14.254%
2	7.420	7.201	7.638	PV	11994	1047795	96.28%	16.314%
3	7.751	7.638	7.820	VV	5939	335553	30.83%	5.224%
4	7.890	7.820	8.158	VV	7088	394556	36.26%	6.143%
5	8.790	8.567	9.024	BV	8649	495333	45.52%	7.712%
6	10.618	10.494	10.947	VV	20865	1088237	100.00%	16.943%
7	13.054	12.882	13.115	BV	6747	317078	29.14%	4.937%
8	13.188	13.115	13.480	VB	13255	679935	62.48%	10.586%
9	13.916	13.536	14.076	BV	12607	635755	58.42%	9.898%
10	16.192	16.080	16.401	BBA	11616	513022	47.14%	7.988%

Sum of corrected areas: 6422794

FB011525.M Wed Jan 15 13:12:41 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011525\
Data File : FB031310.D
Signal(s) : FID2B.CH
Acq On : 15 Jan 2025 11:40
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: Jan 15 11:34:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 11:21:31 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	8.789	1088363	45.072	ng/ml
Target Compounds					
1) t	2-Methylpentane	4.716	2794680	92.689	ng/ml
2) t	2,2,4-Trimethylpentane	7.422	3062779	87.112	ng/ml
3) t	n-Heptane	7.751	1021135	31.806	ng/ml
4) t	Benzene	7.889	1195371	31.251	ng/ml
6) t	Toluene	10.618	3175016	87.930	ng/ml
7) t	Ethylbenzene	13.056	915002	27.894	ng/ml
8) t	m-Xylene	13.189	1979254	55.922	ng/ml
9) t	O-Xylene	13.917	1844879	53.730	ng/ml
10) t	1,2,4-Trimethylbenzene	16.193	1414716	50.018	ng/ml

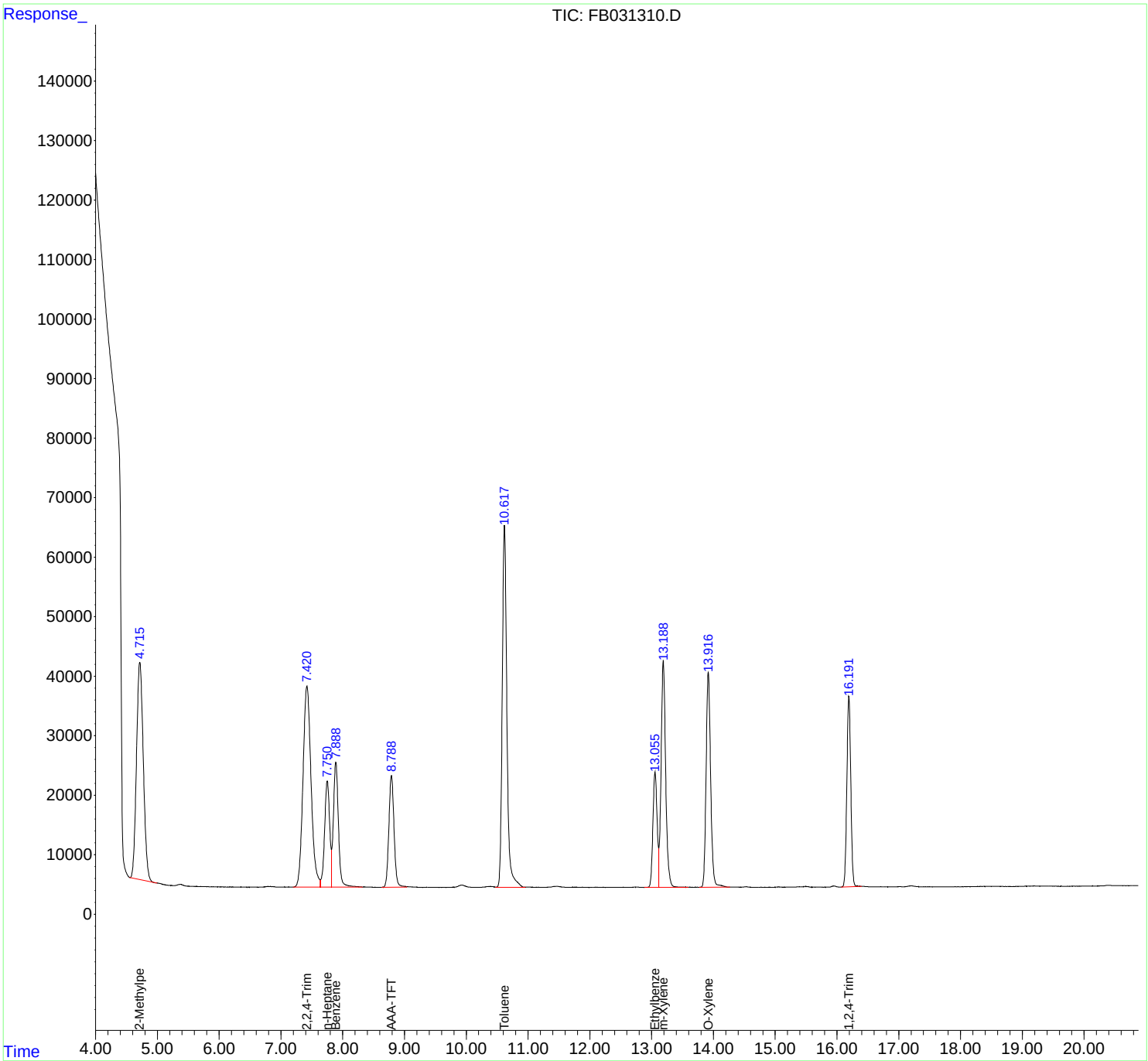
(f)=RT Delta > 1/2 Window (m)=manual int.

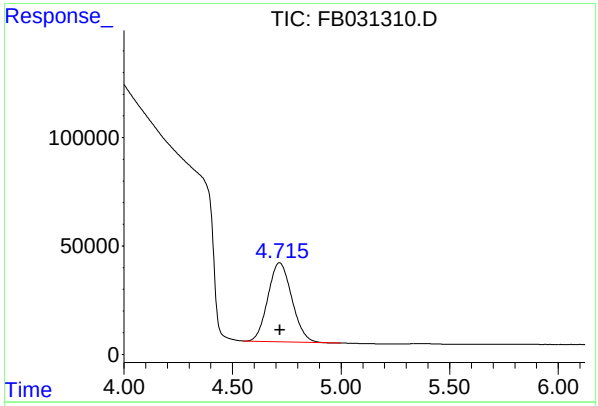
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011525\
Data File : FB031310.D
Signal(s) : FID2B.CH
Acq On : 15 Jan 2025 11:40
Operator : YP/AJ
Sample : 50 GRO STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
50 GRO STD

Integration File: Calibration.e
Quant Time: Jan 15 11:34:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 11:21:31 2025
Response via : Initial Calibration
Integrator: ChemStation

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

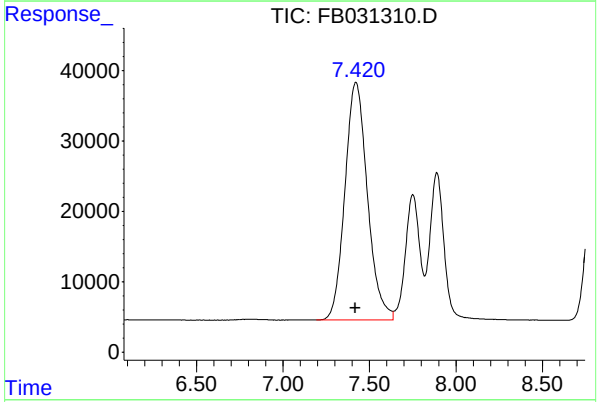




#1 2-Methylpentane

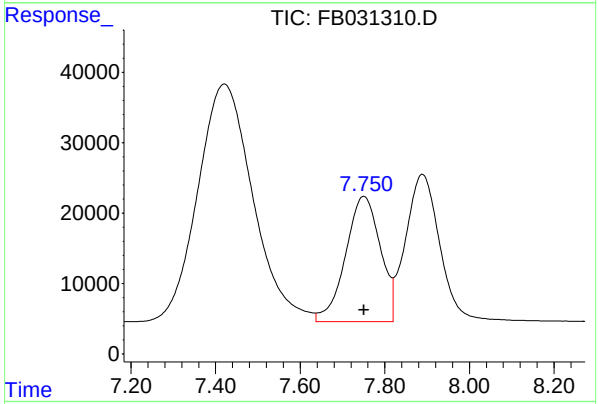
R.T.: 4.716 min
Delta R.T.: -0.002 min
Response: 2794680
Conc: 92.69 ng/ml

Instrument :
FID_B
ClientSampleId :
50 GRO STD



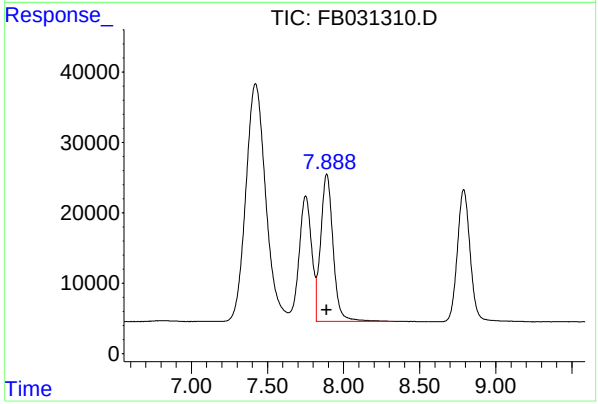
#2 2,2,4-Trimethylpentane

R.T.: 7.422 min
Delta R.T.: 0.002 min
Response: 3062779
Conc: 87.11 ng/ml



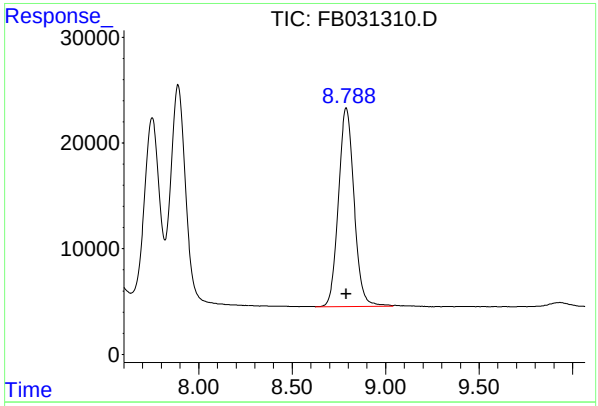
#3 n-Heptane

R.T.: 7.751 min
Delta R.T.: 0.000 min
Response: 1021135
Conc: 31.81 ng/ml



#4 Benzene

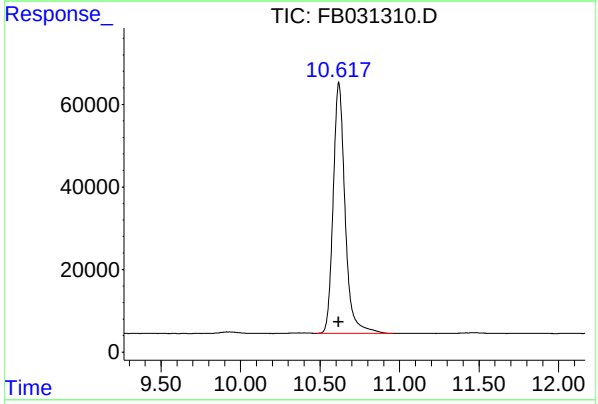
R.T.: 7.889 min
Delta R.T.: 0.000 min
Response: 1195371
Conc: 31.25 ng/ml



#5 AAA-TFT

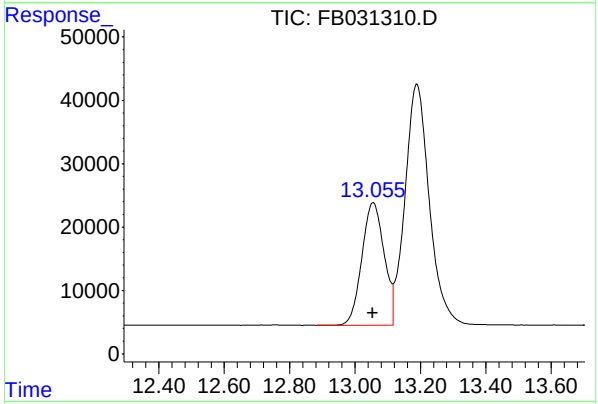
R.T.: 8.789 min
Delta R.T.: 0.000 min
Response: 1088363
Conc: 45.07 ng/ml

Instrument :
FID_B
ClientSampleId :
50 GRO STD



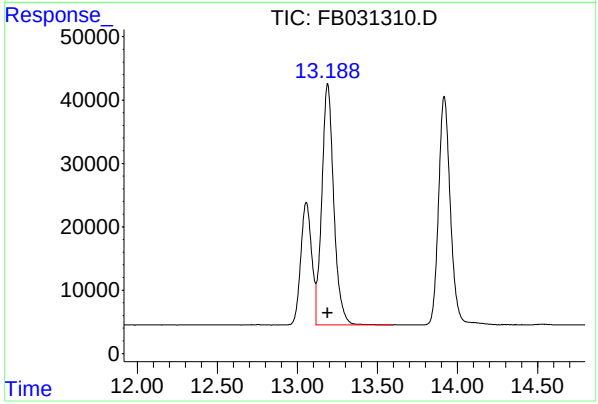
#6 Toluene

R.T.: 10.618 min
Delta R.T.: 0.000 min
Response: 3175016
Conc: 87.93 ng/ml



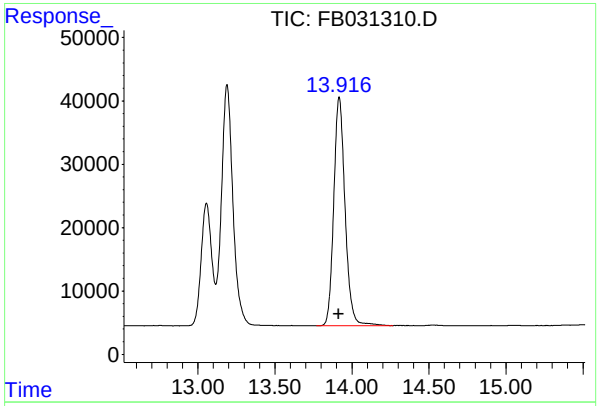
#7 Ethylbenzene

R.T.: 13.056 min
Delta R.T.: 0.001 min
Response: 915002
Conc: 27.89 ng/ml



#8 m-Xylene

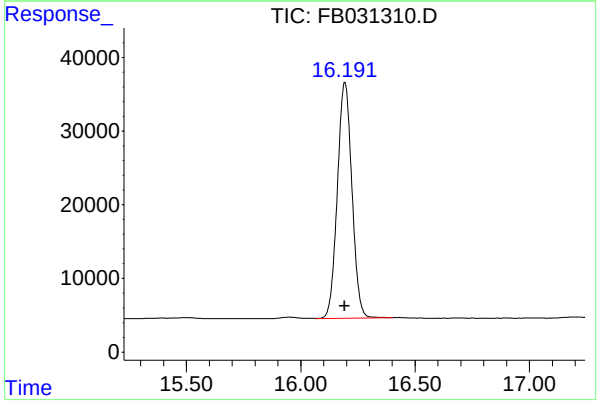
R.T.: 13.189 min
Delta R.T.: 0.001 min
Response: 1979254
Conc: 55.92 ng/ml



#9 O-Xylene

R.T.: 13.917 min
Delta R.T.: 0.002 mi
Response: 1844879
Conc: 53.73 ng/m

Instrument :
FID_B
ClientSampleId :
50 GRO STD



#10 1,2,4-Trimethylbenzene

R.T.: 16.193 min
Delta R.T.: 0.000 min
Response: 1414716
Conc: 50.02 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011525\
Data File : FB031310.D
Signal(s) : FID2B.CH
Acq On : 15 Jan 2025 11:40
Sample : 50 GRO STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.716	4.548	4.999	BV	36502	2794680	88.02%	15.114%
2	7.422	7.192	7.637	PV	33816	3062779	96.46%	16.563%
3	7.751	7.637	7.820	VV	17823	1021135	32.16%	5.522%
4	7.889	7.820	8.325	VV	20971	1195371	37.65%	6.465%
5	8.789	8.626	9.038	PV	18802	1088363	34.28%	5.886%
6	10.618	10.474	10.958	VV	60829	3175016	100.00%	17.170%
7	13.056	12.881	13.116	PV	19392	915002	28.82%	4.948%
8	13.189	13.116	13.597	VV	38094	1979254	62.34%	10.704%
9	13.917	13.768	14.268	PV	36104	1844879	58.11%	9.977%
10	16.193	16.066	16.403	PBA	32010	1414716	44.56%	7.651%

Sum of corrected areas: 18491195

FB011525.M Wed Jan 15 13:13:07 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011525\
Data File : FB031311.D
Signal(s) : FID2B.CH
Acq On : 15 Jan 2025 12:07
Operator : YP/AJ
Sample : 100 GRO STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
100 GRO STD

Integration File: Calibration.e
Quant Time: Jan 15 12:00:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 11:34:56 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	8.789	2505507	106.381	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.714	5701862	178.580	ng/ml
2) t	2,2,4-Trimethylpentane	7.425	6258583	171.100	ng/ml
3) t	n-Heptane	7.749	2166770	63.189	ng/ml
4) t	Benzene	7.889	2519199	61.986	ng/ml
6) t	Toluene	10.619	6686047	177.515	ng/ml
7) t	Ethylbenzene	13.057	1906774	56.494	ng/ml
8) t	m-Xylene	13.191	4113116	112.870	ng/ml
9) t	O-Xylene	13.919	3816110	109.105	ng/ml
10) t	1,2,4-Trimethylbenzene	16.194	2845927	100.611	ng/ml

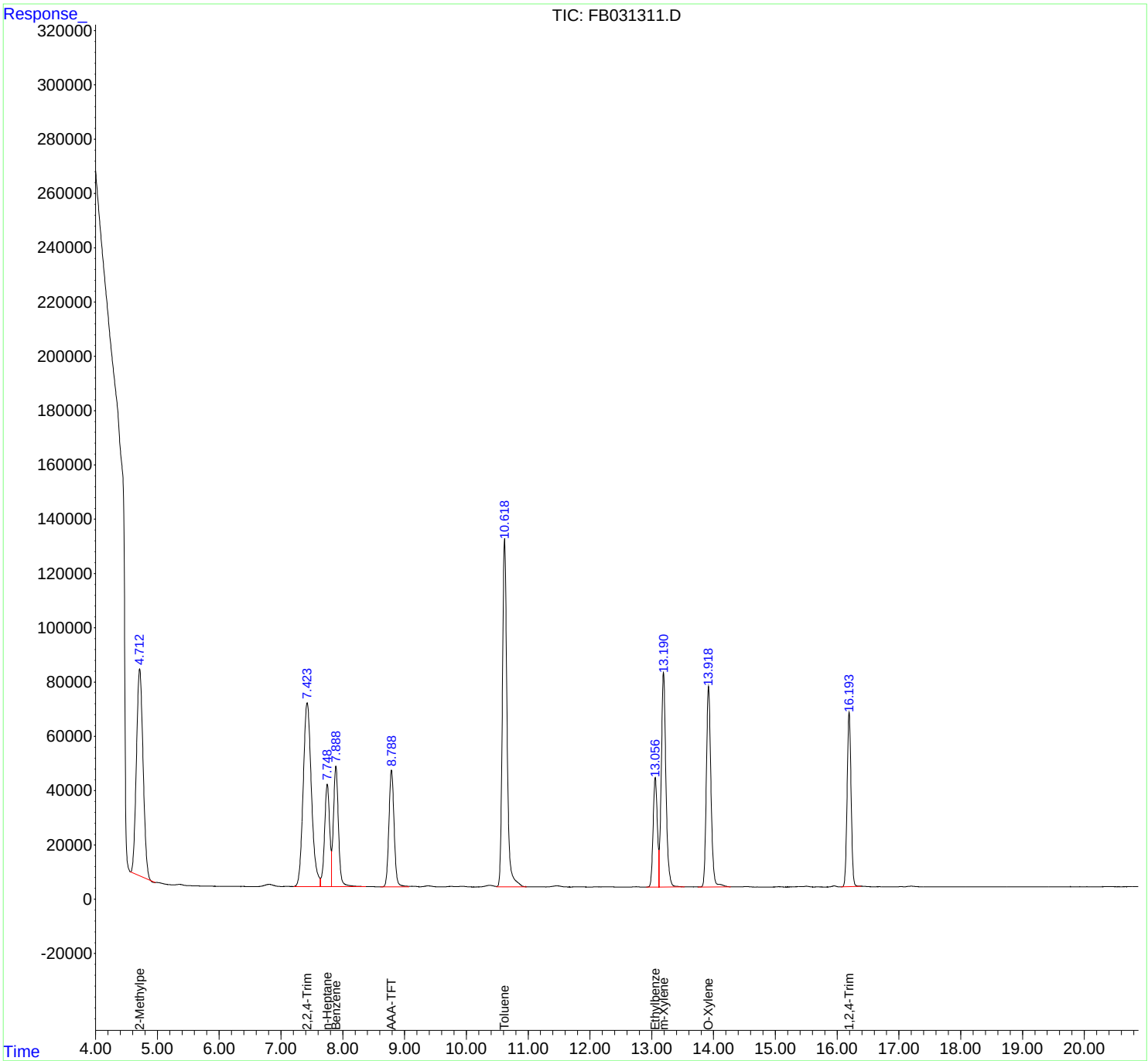
(f)=RT Delta > 1/2 Window (m)=manual int.

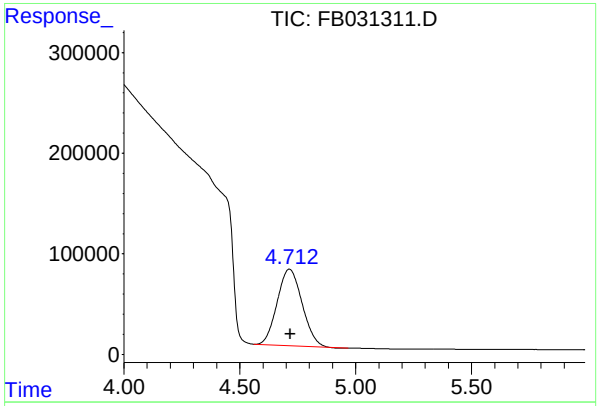
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011525\
Data File : FB031311.D
Signal(s) : FID2B.CH
Acq On : 15 Jan 2025 12:07
Operator : YP/AJ
Sample : 100 GRO STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
100 GRO STD

Integration File: Calibration.e
Quant Time: Jan 15 12:00:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 11:34:56 2025
Response via : Initial Calibration
Integrator: ChemStation

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

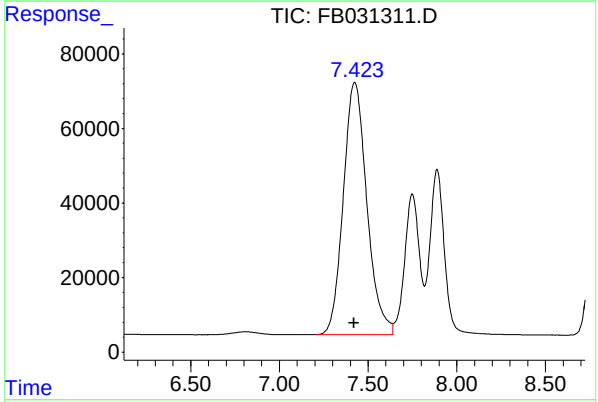




#1 2-Methylpentane

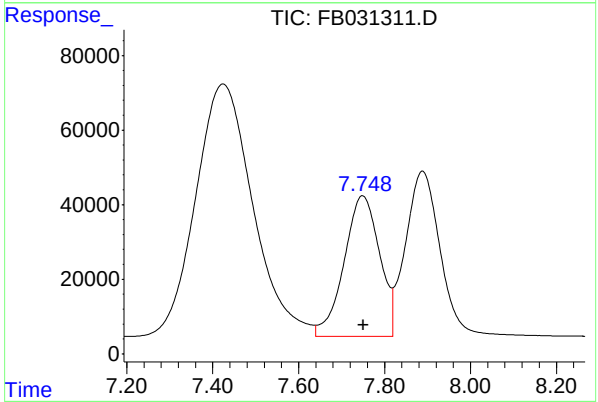
R.T.: 4.714 min
Delta R.T.: -0.004 min
Response: 5701862
Conc: 178.58 ng/ml

Instrument :
FID_B
ClientSampleId :
100 GRO STD



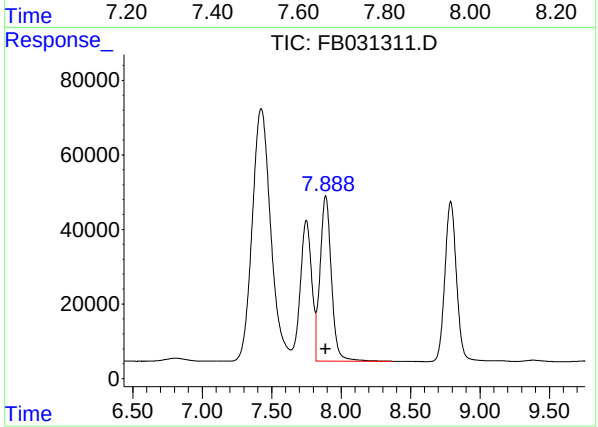
#2 2,2,4-Trimethylpentane

R.T.: 7.425 min
Delta R.T.: 0.005 min
Response: 6258583
Conc: 171.10 ng/ml



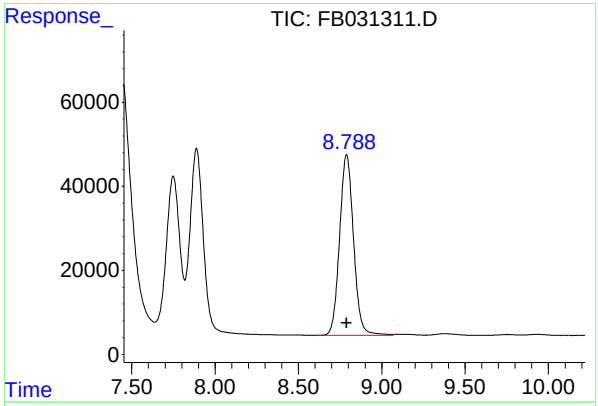
#3 n-Heptane

R.T.: 7.749 min
Delta R.T.: -0.002 min
Response: 2166770
Conc: 63.19 ng/ml



#4 Benzene

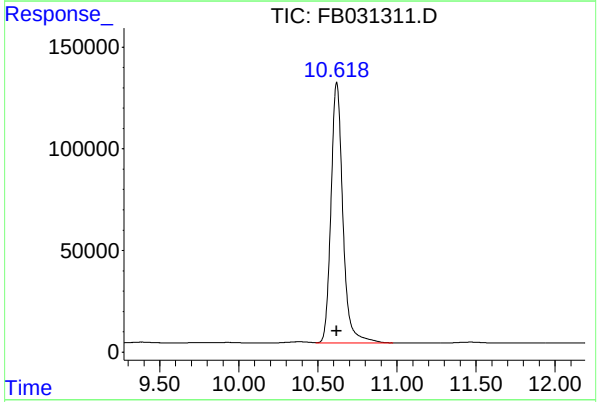
R.T.: 7.889 min
Delta R.T.: 0.000 min
Response: 2519199
Conc: 61.99 ng/ml



#5 AAA-TFT

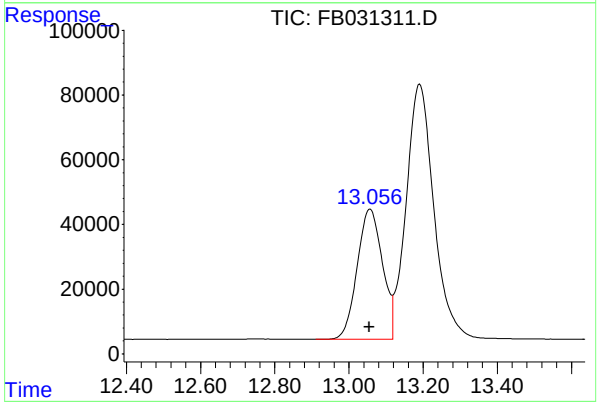
R.T.: 8.789 min
Delta R.T.: 0.000 min
Response: 2505507
Conc: 106.38 ng/ml

Instrument :
FID_B
ClientSampleId :
100 GRO STD



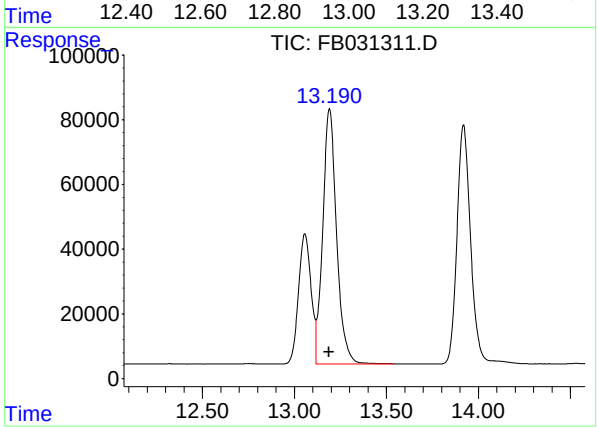
#6 Toluene

R.T.: 10.619 min
Delta R.T.: 0.002 min
Response: 6686047
Conc: 177.51 ng/ml



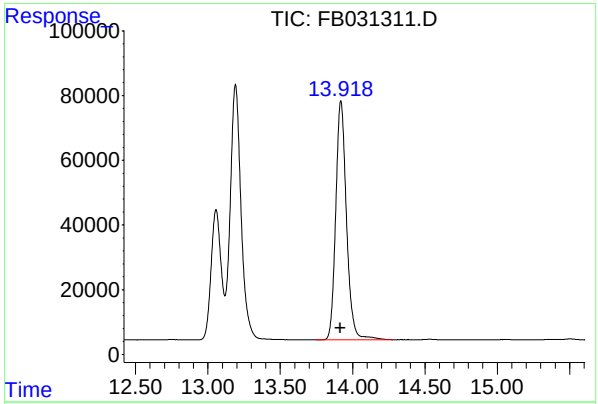
#7 Ethylbenzene

R.T.: 13.057 min
Delta R.T.: 0.003 min
Response: 1906774
Conc: 56.49 ng/ml



#8 m-Xylene

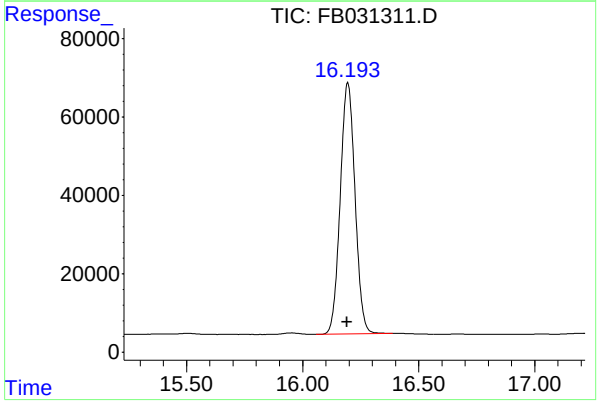
R.T.: 13.191 min
Delta R.T.: 0.003 min
Response: 4113116
Conc: 112.87 ng/ml



#9 O-Xylene

R.T.: 13.919 min
Delta R.T.: 0.004 min
Response: 3816110
Conc: 109.10 ng/ml

Instrument :
FID_B
ClientSampleId :
100 GRO STD



#10 1,2,4-Trimethylbenzene

R.T.: 16.194 min
Delta R.T.: 0.002 min
Response: 2845927
Conc: 100.61 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011525\
Data File : FB031311.D
Signal(s) : FID2B.CH
Acq On : 15 Jan 2025 12:07
Sample : 100 GRO STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.714	4.559	4.969	BV	76258	5701862	85.28%	14.802%
2	7.425	7.205	7.639	PV	67744	6258583	93.61%	16.248%
3	7.749	7.639	7.819	VV	37772	2166770	32.41%	5.625%
4	7.889	7.819	8.373	VV	44426	2519199	37.68%	6.540%
5	8.789	8.606	9.067	PV	43041	2505507	37.47%	6.504%
6	10.619	10.488	10.975	VV	128321	6686047	100.00%	17.357%
7	13.057	12.910	13.118	PV	40292	1906774	28.52%	4.950%
8	13.191	13.118	13.536	VV	78889	4113116	61.52%	10.678%
9	13.919	13.747	14.279	PV	73895	3816110	57.08%	9.907%
10	16.194	16.057	16.389	PV	64194	2845927	42.57%	7.388%

Sum of corrected areas: 38519896

FB011525.M Wed Jan 15 13:13:44 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011525\
Data File : FB031312.D
Signal(s) : FID2B.CH
Acq On : 15 Jan 2025 12:44
Operator : YP/AJ
Sample : FB011525GROICV
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
FB011525GROICV

Integration File: Calibration.e
Quant Time: Jan 15 12:38:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 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	8.788	479840	20.117	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.715	1029585	31.062	ng/ml
2) t	2,2,4-Trimethylpentane	7.415	1208467	32.134	ng/ml
3) t	n-Heptane	7.749	355226	9.840	ng/ml
4) t	Benzene	7.887	448910	10.540	ng/ml
6) t	Toluene	10.616	1231346	31.535	ng/ml
7) t	Ethylbenzene	13.053	368640	10.646	ng/ml
8) t	m-Xylene	13.186	805181	21.541	ng/ml
9) t	O-Xylene	13.914	762753	21.418	ng/ml
10) t	1,2,4-Trimethylbenzene	16.191	636053	22.459	ng/ml

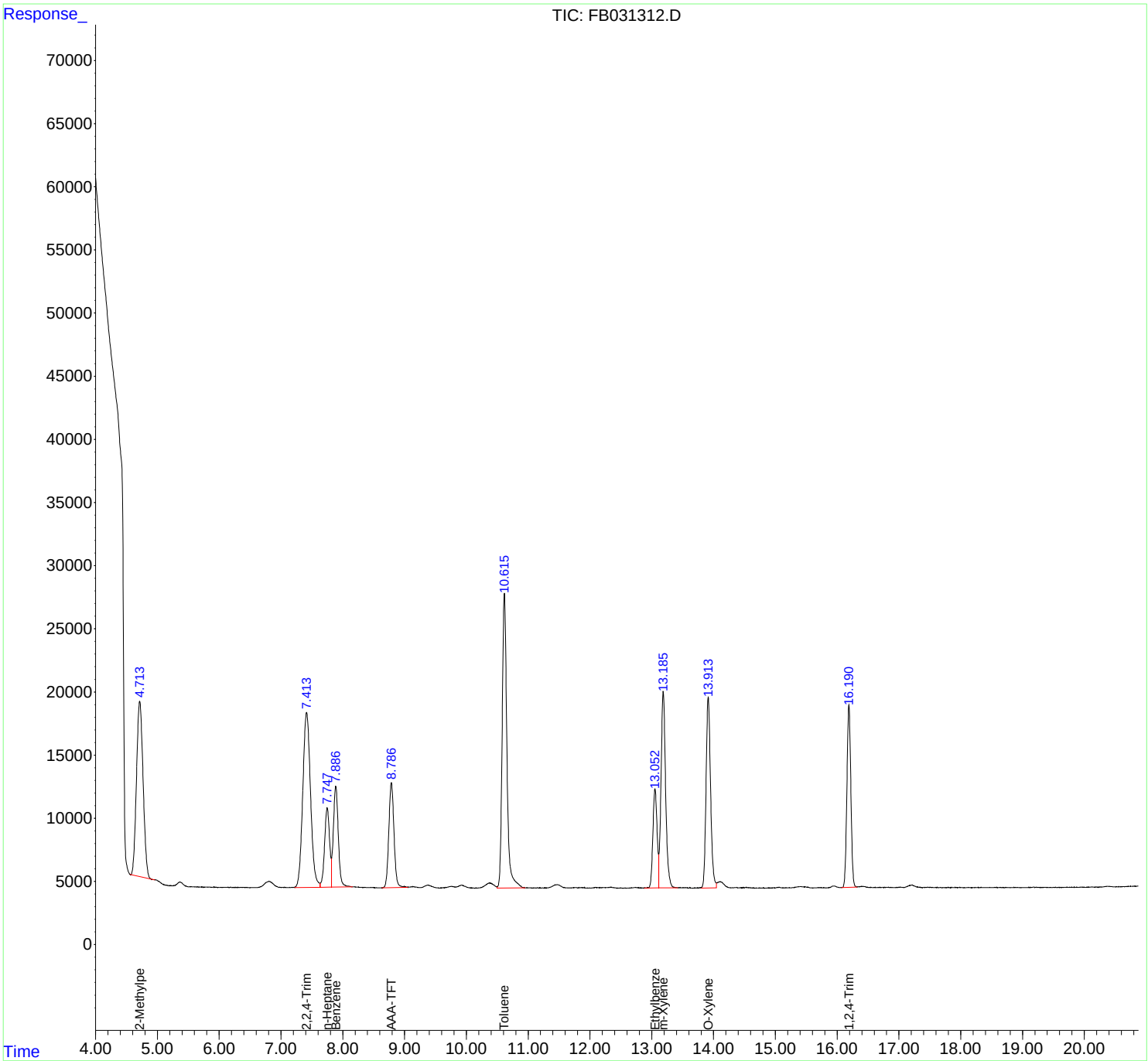
(f)=RT Delta > 1/2 Window (m)=manual int.

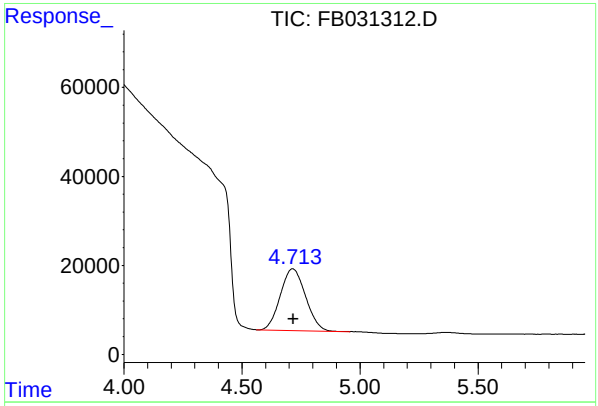
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011525\
Data File : FB031312.D
Signal(s) : FID2B.CH
Acq On : 15 Jan 2025 12:44
Operator : YP/AJ
Sample : FB011525GROICV
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
FB011525GROICV

Integration File: Calibration.e
Quant Time: Jan 15 12:38:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

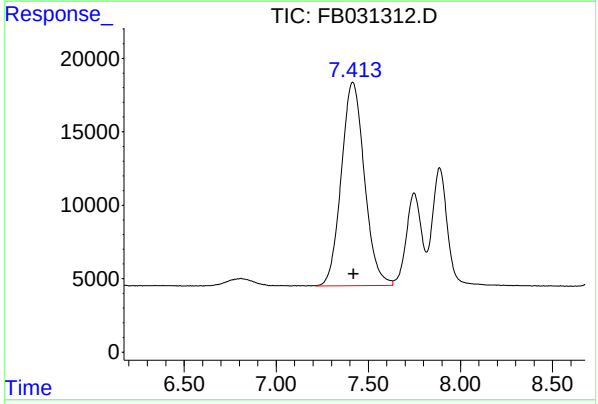




#1 2-Methylpentane

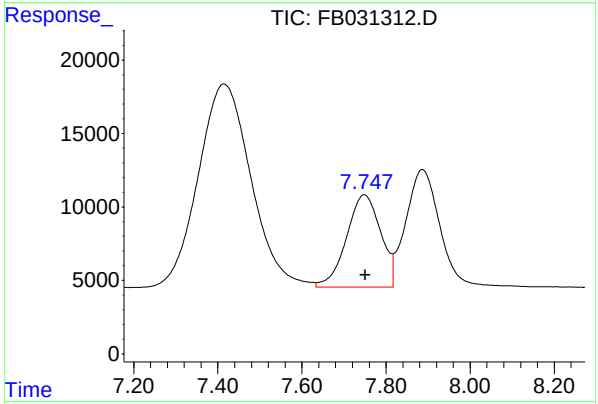
R.T.: 4.715 min
Delta R.T.: -0.003 min
Response: 1029585
Conc: 31.06 ng/ml

Instrument :
FID_B
ClientSampleId :
FB011525GROICV



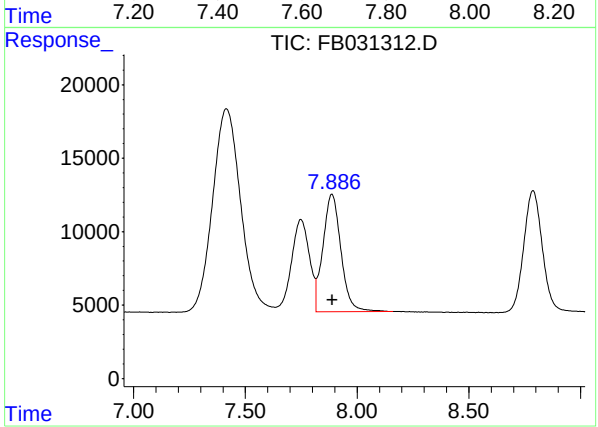
#2 2,2,4-Trimethylpentane

R.T.: 7.415 min
Delta R.T.: -0.005 min
Response: 1208467
Conc: 32.13 ng/ml



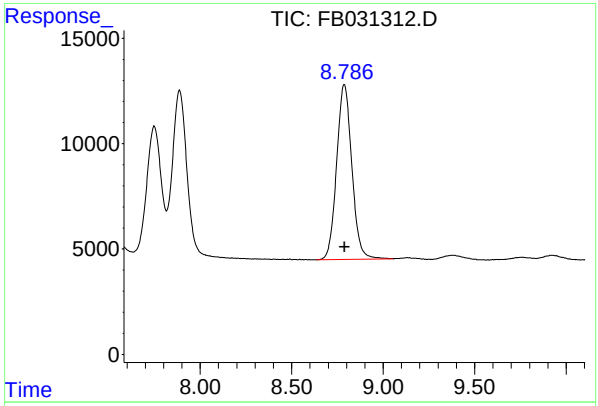
#3 n-Heptane

R.T.: 7.749 min
Delta R.T.: -0.003 min
Response: 355226
Conc: 9.84 ng/ml



#4 Benzene

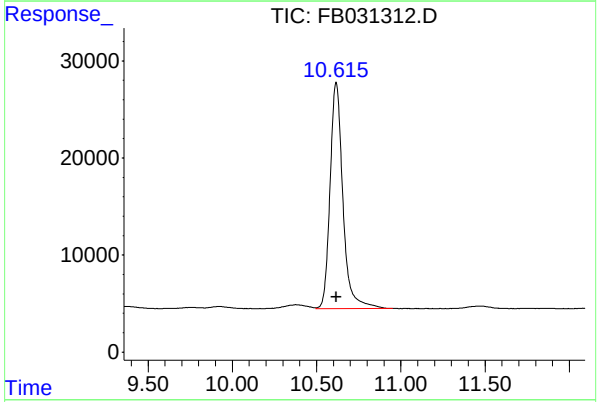
R.T.: 7.887 min
Delta R.T.: -0.003 min
Response: 448910
Conc: 10.54 ng/ml



#5 AAA-TFT

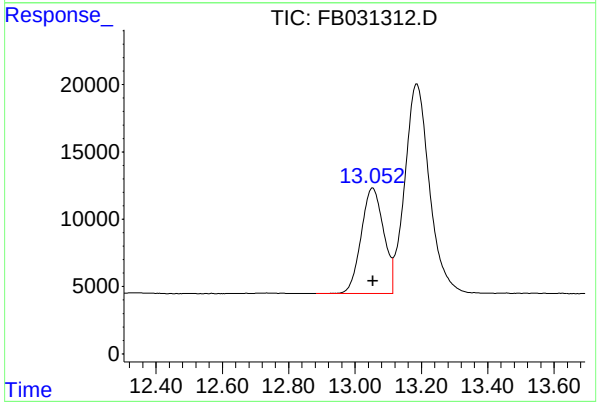
R.T.: 8.788 min
Delta R.T.: -0.002 min
Response: 479840
Conc: 20.12 ng/ml

Instrument :
FID_B
ClientSampleId :
FB011525GROICV



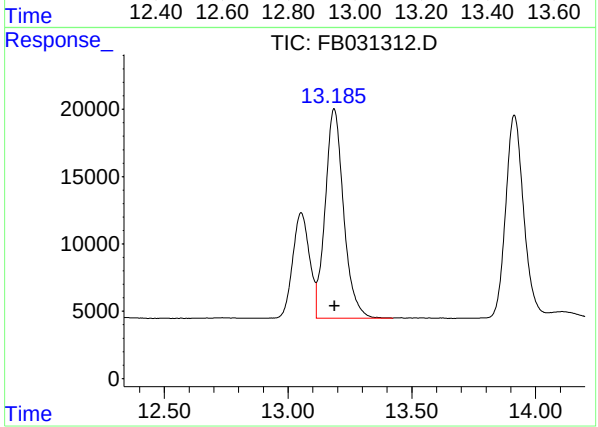
#6 Toluene

R.T.: 10.616 min
Delta R.T.: -0.001 min
Response: 1231346
Conc: 31.54 ng/ml



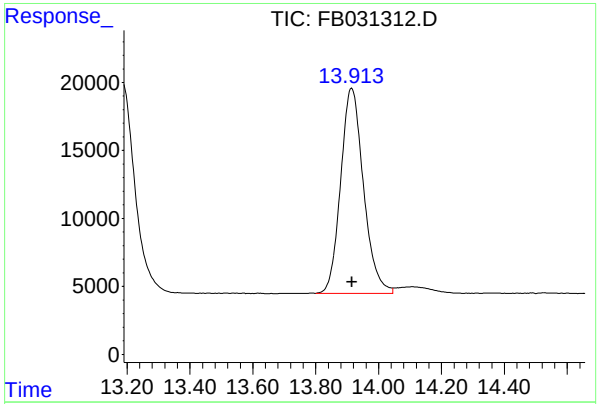
#7 Ethylbenzene

R.T.: 13.053 min
Delta R.T.: -0.001 min
Response: 368640
Conc: 10.65 ng/ml



#8 m-Xylene

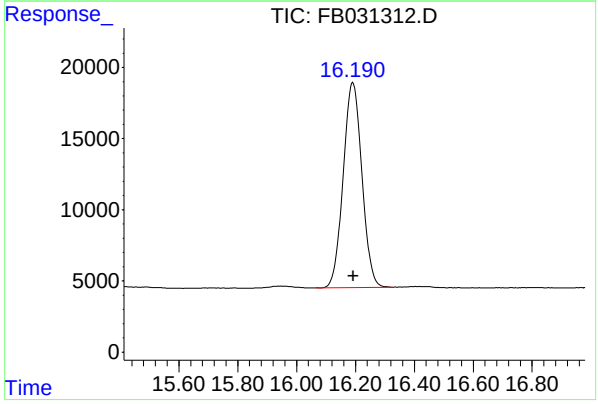
R.T.: 13.186 min
Delta R.T.: -0.002 min
Response: 805181
Conc: 21.54 ng/ml



#9 O-Xylene

R.T.: 13.914 min
Delta R.T.: -0.001 mi
Response: 762753
Conc: 21.42 ng/m

Instrument :
FID_B
ClientSampleId :
FB011525GROICV



#10 1,2,4-Trimethylbenzene

R.T.: 16.191 min
Delta R.T.: 0.000 min
Response: 636053
Conc: 22.46 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011525\
Data File : FB031312.D
Signal(s) : FID2B.CH
Acq On : 15 Jan 2025 12:44
Sample : FB011525GROICV
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.715	4.559	4.958	BV	13885	1029585	83.61%	14.054%
2	7.415	7.215	7.633	VV	13856	1208467	98.14%	16.496%
3	7.749	7.633	7.816	VV	6299	355226	28.85%	4.849%
4	7.887	7.816	8.161	VV	7999	448910	36.46%	6.128%
5	8.788	8.634	9.055	PV	8302	479840	38.97%	6.550%
6	10.616	10.496	10.953	VV	23336	1231346	100.00%	16.808%
7	13.053	12.882	13.114	BV	7850	368640	29.94%	5.032%
8	13.186	13.114	13.424	VV	15574	805181	65.39%	10.991%
9	13.914	13.800	14.045	VV	15094	762753	61.94%	10.412%
10	16.191	16.066	16.327	PV	14424	636053	51.66%	8.682%

Sum of corrected areas: 7326001

FB011525.M Wed Jan 15 13:14:07 2025

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

GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Chemtech Contract: WEST04

ProjectID: Ft Meade Tipton Airfield Parcel RI - PO 0111169

Lab Code: CHEM Case No.: Q1109 SAS No.: Q1109 SDG No.: Q1109

DataFile: FB031313.D Analyst Name: YP/AJ Analyst Date: 01-17-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	7078081	39323	35852	9.681

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011725\
Data File : FB031313.D
Signal(s) : FID2B.CH
Acq On : 17 Jan 2025 8:56
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: Calibration.e
Quant Time: Jan 18 01:27:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 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 01/21/2025
Supervised By :Ankita Jodhani 01/21/2025

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
5) s	AAA-TFT	8.783	440314	18.460	ng/mlm
	Target Compounds				
1) t	2-Methylpentane	4.717	1086663	32.784	ng/ml
2) t	2,2,4-Trimethylpentane	7.412	1252374	33.301	ng/ml
3) t	n-Heptane	7.746	365239	10.118	ng/ml
4) t	Benzene	7.885	442154	10.382	ng/ml
6) t	Toluene	10.613	1260561	32.284	ng/ml
7) t	Ethylbenzene	13.047	380359	10.984	ng/mlm
8) t	m-Xylene	13.183	822650	22.008	ng/ml
9) t	O-Xylene	13.912	799171	22.440	ng/ml
10) t	1,2,4-Trimethylbenzene	16.188	668910	23.619	ng/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011725\
Data File : FB031313.D
Signal(s) : FID2B.CH
Acq On : 17 Jan 2025 8:56
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

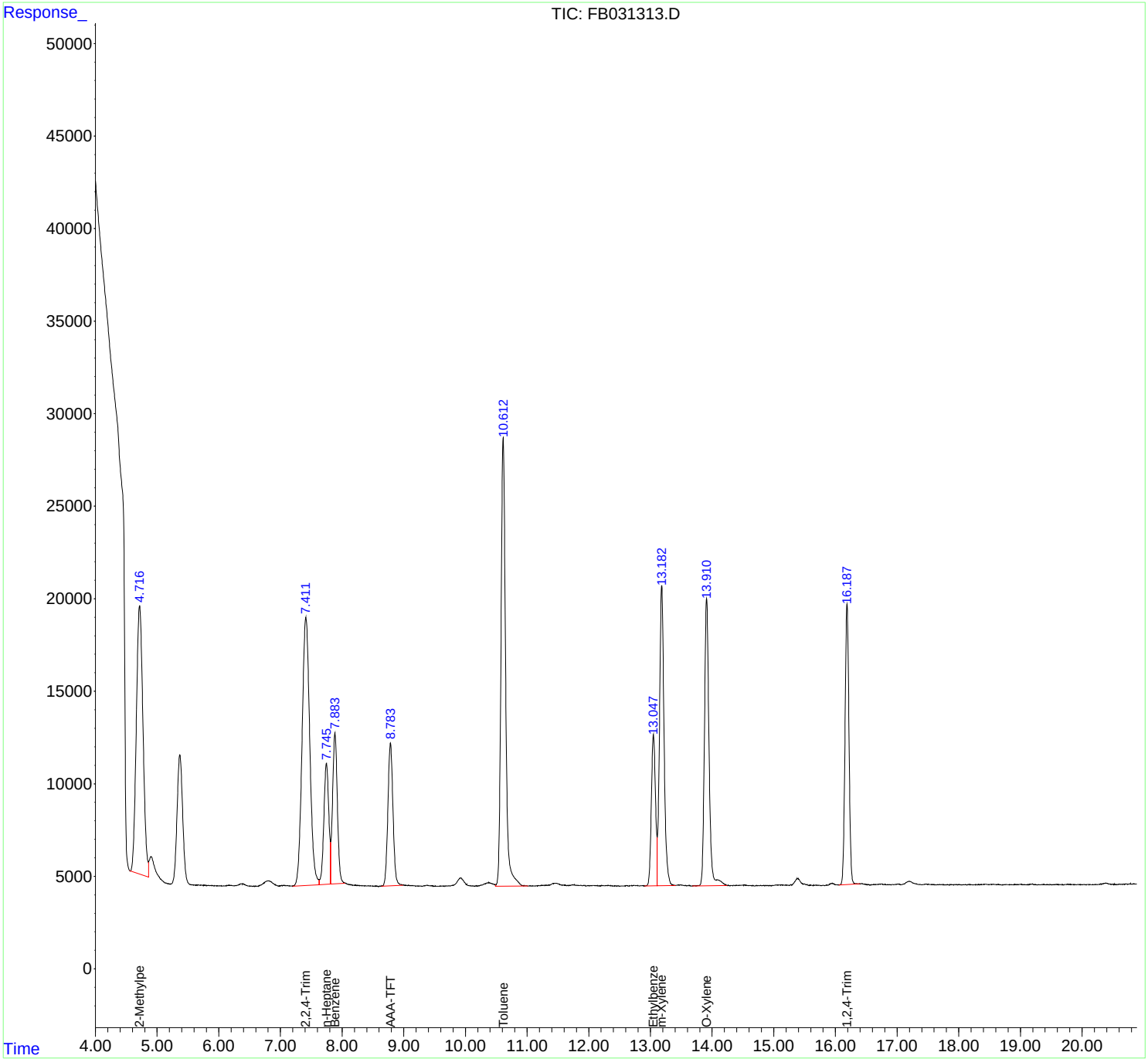
Integration File: Calibration.e
Quant Time: Jan 18 01:27:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

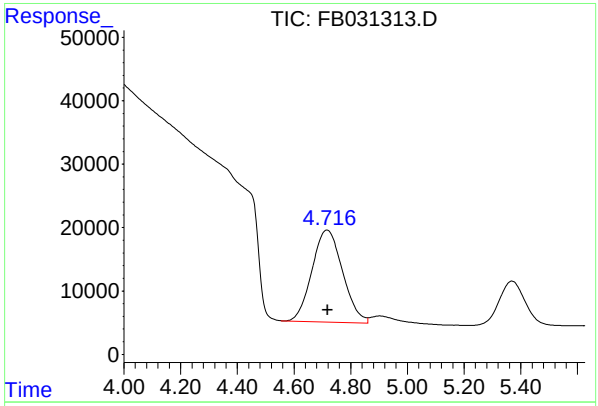
Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/21/2025
Supervised By :Ankita Jodhani 01/21/2025





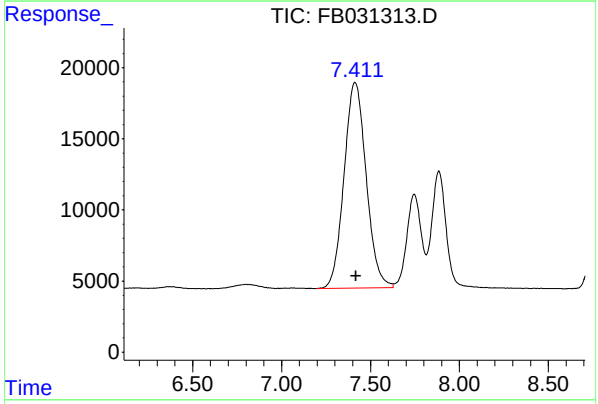
#1 2-Methylpentane

R.T.: 4.717 min
Delta R.T.: 0.000 min
Response: 1086663
Conc: 32.78 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

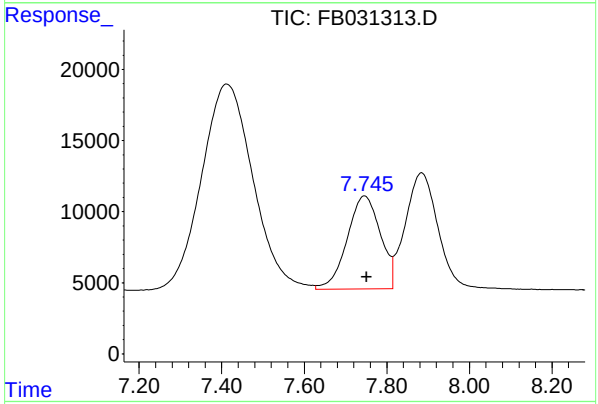
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/21/2025
Supervised By :Ankita Jodhani 01/21/2025



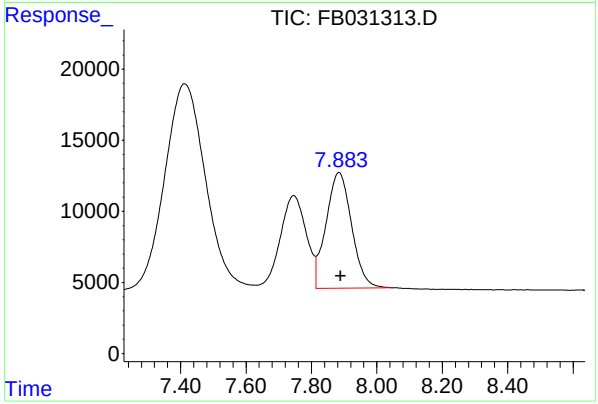
#2 2,2,4-Trimethylpentane

R.T.: 7.412 min
Delta R.T.: -0.007 min
Response: 1252374
Conc: 33.30 ng/ml



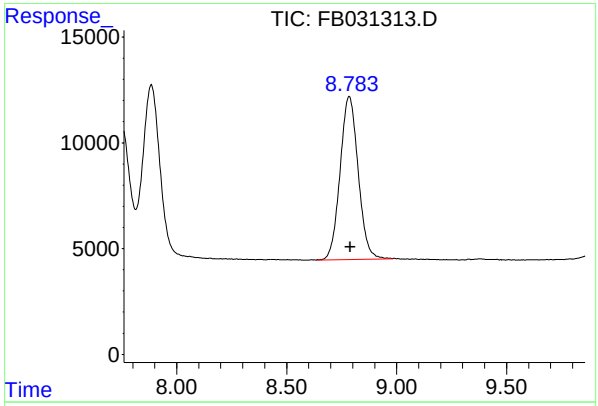
#3 n-Heptane

R.T.: 7.746 min
Delta R.T.: -0.005 min
Response: 365239
Conc: 10.12 ng/ml



#4 Benzene

R.T.: 7.885 min
Delta R.T.: -0.005 min
Response: 442154
Conc: 10.38 ng/ml



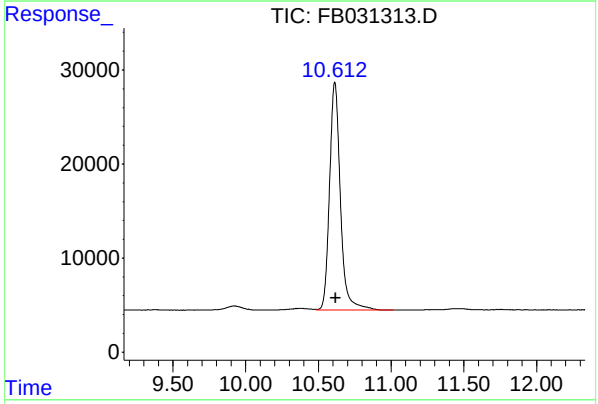
#5 AAA-TFT

R.T.: 8.783 min
Delta R.T.: -0.006 min
Response: 440314
Conc: 18.46 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

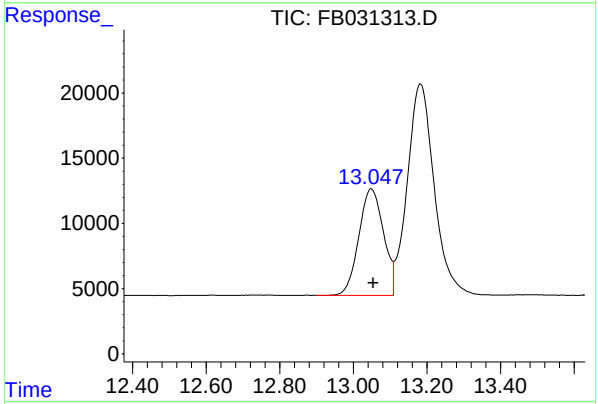
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/21/2025
Supervised By :Ankita Jodhani 01/21/2025



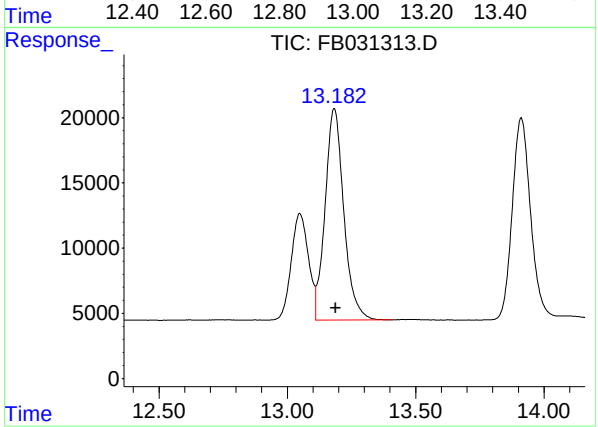
#6 Toluene

R.T.: 10.613 min
Delta R.T.: -0.005 min
Response: 1260561
Conc: 32.28 ng/ml



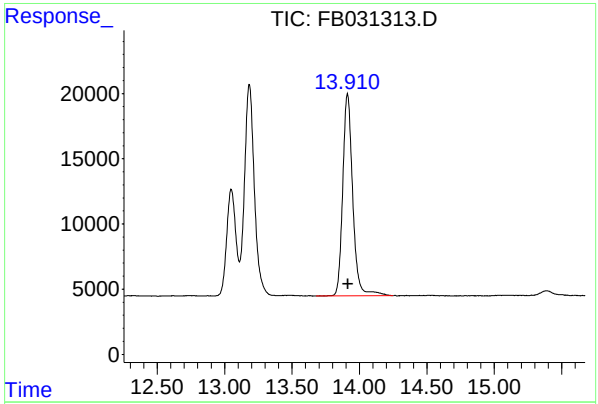
#7 Ethylbenzene

R.T.: 13.047 min
Delta R.T.: -0.007 min
Response: 380359
Conc: 10.98 ng/ml m



#8 m-Xylene

R.T.: 13.183 min
Delta R.T.: -0.005 min
Response: 822650
Conc: 22.01 ng/ml



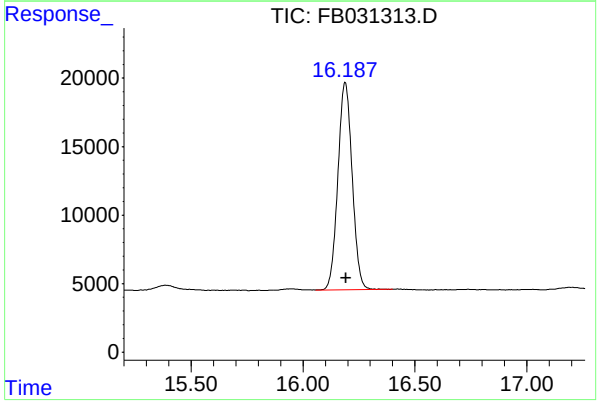
#9 O-Xylene

R.T.: 13.912 min
Delta R.T.: -0.004 min
Response: 799171
Conc: 22.44 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/21/2025
Supervised By :Ankita Jodhani 01/21/2025



#10 1,2,4-Trimethylbenzene

R.T.: 16.188 min
Delta R.T.: -0.004 min
Response: 668910
Conc: 23.62 ng/ml

Instrument :
FID_B
LabSampleId :
20 PPB GRO STD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 01/21/2025
Supervised By :Ankita Jodhani 01/21/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB01172
Data File : FB031313.D
Signal(s) : FID2B.CH
Acq On : 17 Jan 2025 8:56
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.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	4.554	4.861	BV	14500	1086663	86.20%	14.458%
2	7.412	7.195	7.628	PV	14479	1252374	99.35%	16.663%
3	7.746	7.628	7.814	VV	6543	365239	28.97%	4.860%
4	7.885	7.814	8.050	VV	8162	442154	35.08%	5.883%
5	8.785	8.542	8.982	BV	7699	436683	34.64%	5.810%
6	10.613	10.485	11.014	VV	24244	1260561	100.00%	16.772%
7	13.049	12.806	13.110	BV	8170	381483	30.26%	5.076%
8	13.183	13.110	13.410	VV	16222	822650	65.26%	10.945%
9	13.912	13.678	14.248	BV	15511	799171	63.40%	10.633%
10	16.188	16.057	16.401	BBA	15139	668910	53.06%	8.900%

Sum of corrected areas: 7515887

FB011525.M Sat Jan 18 02:00:12 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.: Q1109 SAS No.: Q1109 SDG No.: Q1109

DataFile: FB031318.D Analyst Name: YP/AJ Analyst Date: 01-17-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	5852610	32514	35852	9.31

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011725\
Data File : FB031318.D
Signal(s) : FID2B.CH
Acq On : 17 Jan 2025 12:08
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: Jan 18 01:28:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 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	408791	17.138	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.721	913530	27.561	ng/ml
2) t	2,2,4-Trimethylpentane	7.422	1034675	27.512	ng/ml
3) t	n-Heptane	7.755	326663	9.049	ng/ml
4) t	Benzene	7.893	378053	8.877	ng/ml
6) t	Toluene	10.621	1075447	27.543	ng/ml
7) t	Ethylbenzene	13.057	313894	9.065	ng/ml
8) t	m-Xylene	13.190	675649	18.076	ng/ml
9) t	O-Xylene	13.918	631233	17.725	ng/ml
10) t	1,2,4-Trimethylbenzene	16.194	503466	17.777	ng/ml

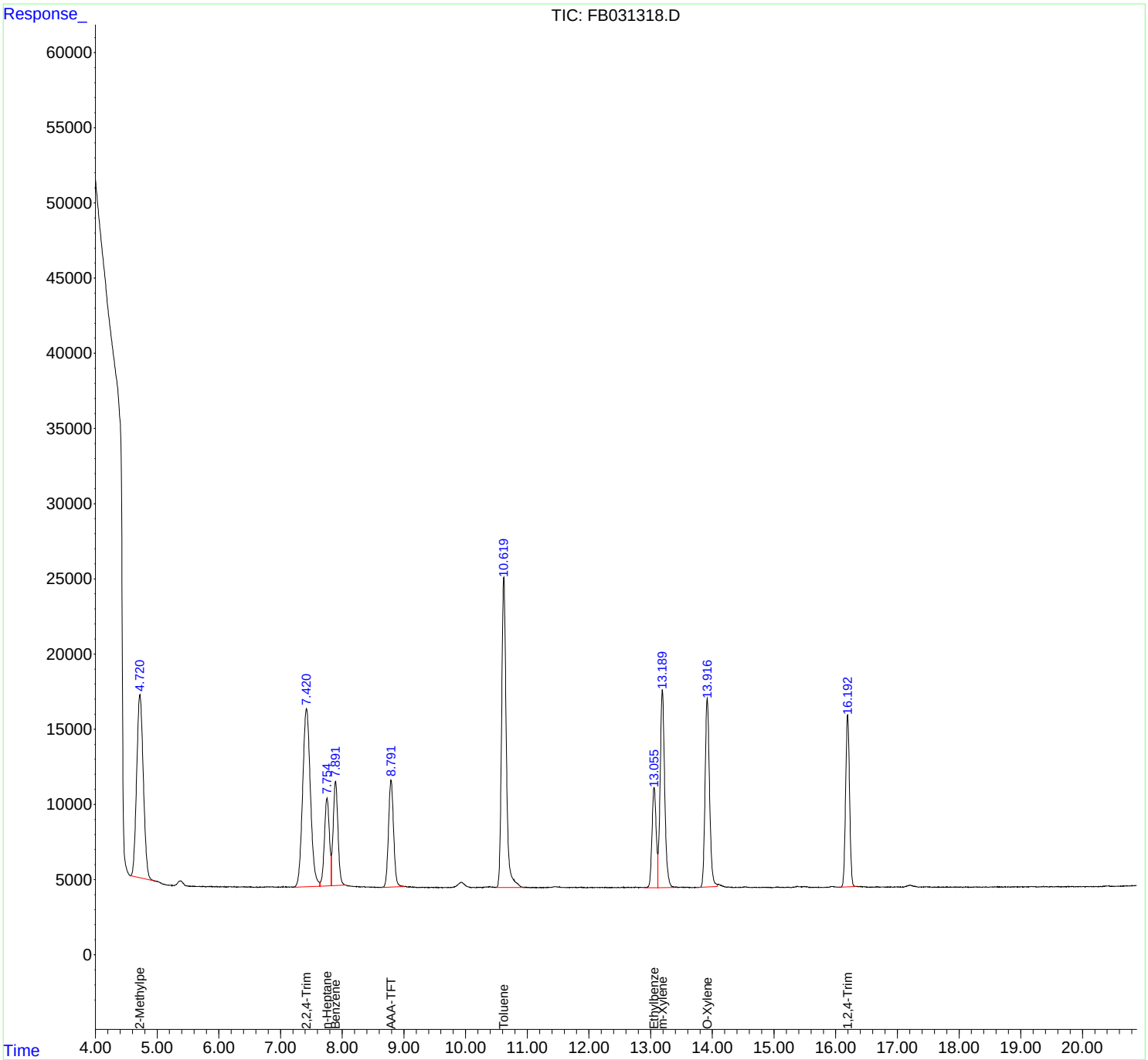
(f)=RT Delta > 1/2 Window (m)=manual int.

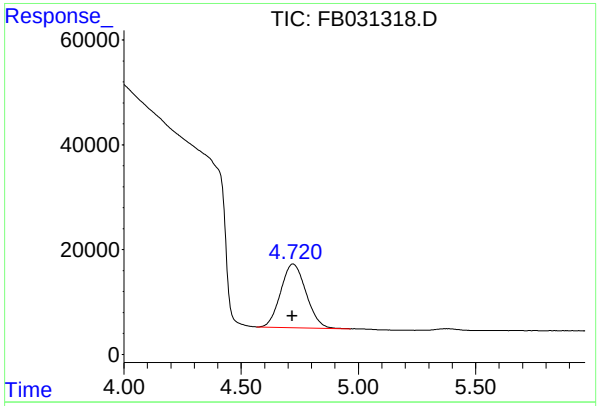
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011725\
Data File : FB031318.D
Signal(s) : FID2B.CH
Acq On : 17 Jan 2025 12:08
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Jan 18 01:28:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

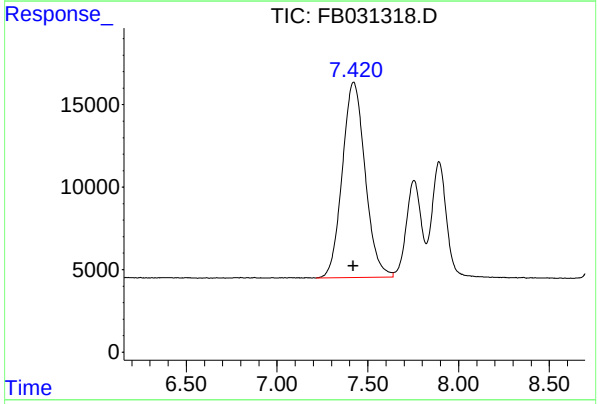




#1 2-Methylpentane

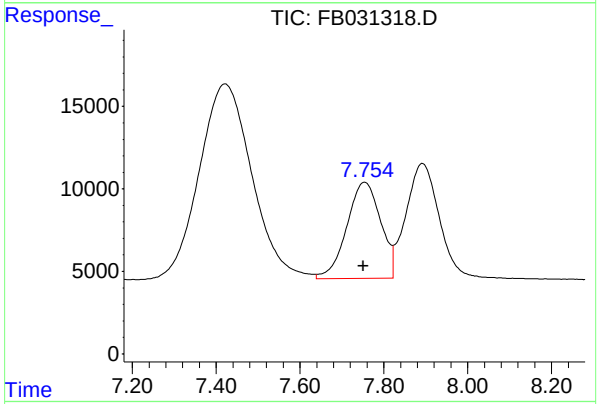
R.T.: 4.721 min
Delta R.T.: 0.003 min
Response: 913530
Conc: 27.56 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



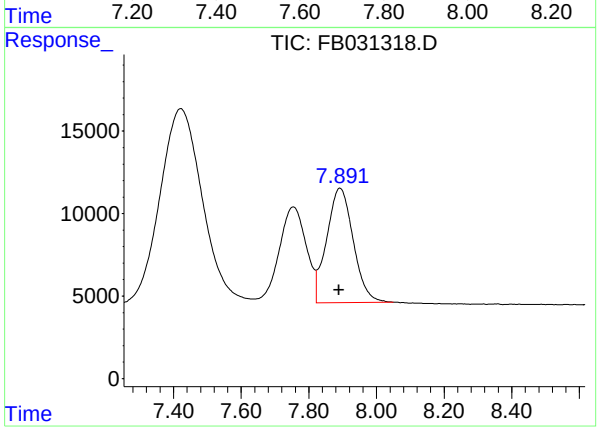
#2 2,2,4-Trimethylpentane

R.T.: 7.422 min
Delta R.T.: 0.002 min
Response: 1034675
Conc: 27.51 ng/ml



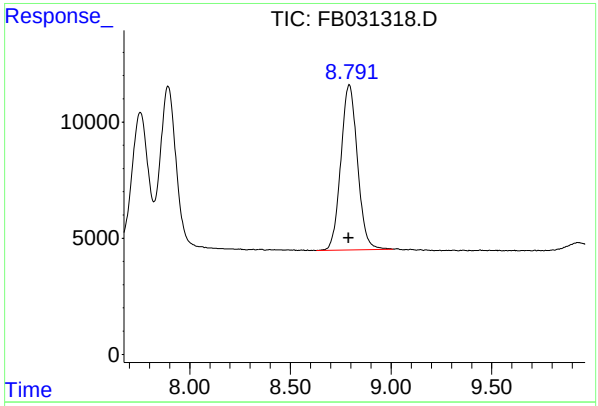
#3 n-Heptane

R.T.: 7.755 min
Delta R.T.: 0.004 min
Response: 326663
Conc: 9.05 ng/ml



#4 Benzene

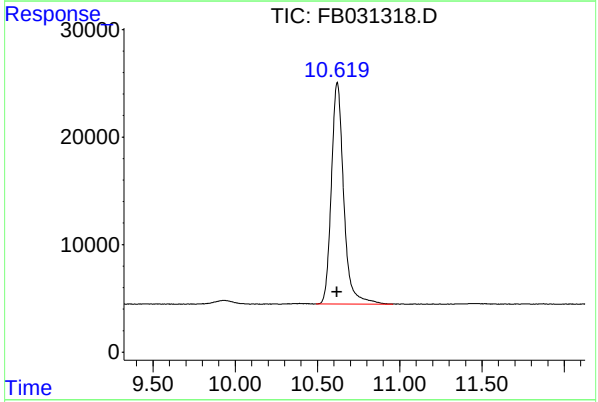
R.T.: 7.893 min
Delta R.T.: 0.003 min
Response: 378053
Conc: 8.88 ng/ml



#5 AAA-TFT

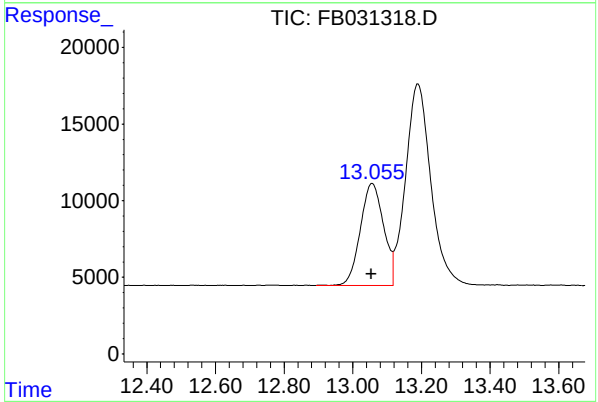
R.T.: 8.792 min
Delta R.T.: 0.003 min
Response: 408791
Conc: 17.14 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



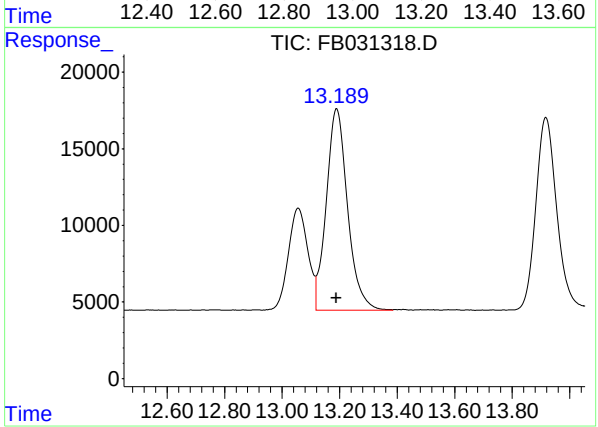
#6 Toluene

R.T.: 10.621 min
Delta R.T.: 0.003 min
Response: 1075447
Conc: 27.54 ng/ml



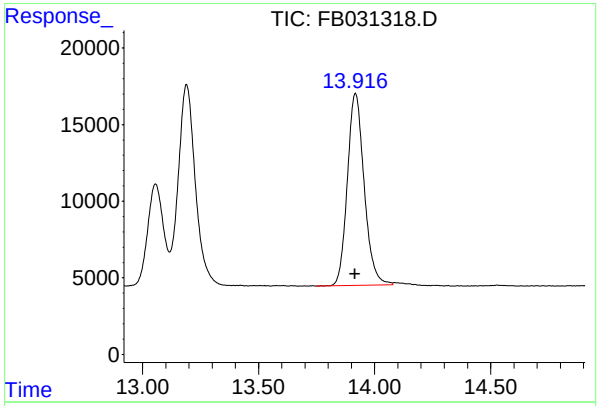
#7 Ethylbenzene

R.T.: 13.057 min
Delta R.T.: 0.002 min
Response: 313894
Conc: 9.06 ng/ml



#8 m-Xylene

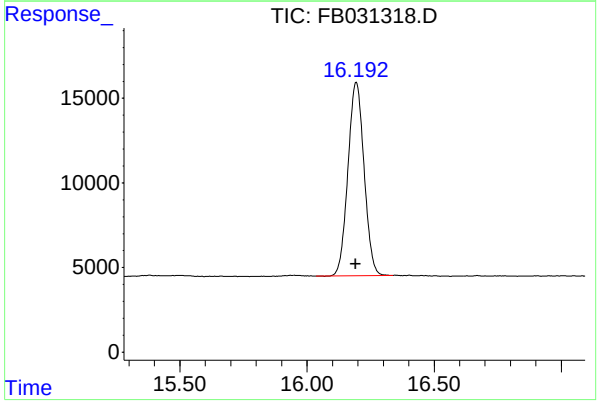
R.T.: 13.190 min
Delta R.T.: 0.002 min
Response: 675649
Conc: 18.08 ng/ml



#9 O-Xylene

R.T.: 13.918 min
Delta R.T.: 0.002 min
Response: 631233
Conc: 17.72 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



#10 1,2,4-Trimethylbenzene

R.T.: 16.194 min
Delta R.T.: 0.002 min
Response: 503466
Conc: 17.78 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011725\
Data File : FB031318.D
Signal(s) : FID2B.CH
Acq On : 17 Jan 2025 12:08
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.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	4.565	4.966	BV	12175	913530	84.94%	14.590%
2	7.422	7.215	7.639	PV	11842	1034675	96.21%	16.525%
3	7.755	7.639	7.822	VV	5834	326663	30.37%	5.217%
4	7.893	7.822	8.050	VV	6942	378053	35.15%	6.038%
5	8.792	8.628	9.010	PV	7120	408791	38.01%	6.529%
6	10.621	10.491	10.959	PV	20629	1075447	100.00%	17.176%
7	13.057	12.893	13.117	VV	6663	313894	29.19%	5.013%
8	13.190	13.117	13.385	VV	13166	675649	62.82%	10.791%
9	13.918	13.747	14.079	PV	12551	631233	58.69%	10.081%
10	16.194	16.035	16.338	BV	11442	503466	46.81%	8.041%

Sum of corrected areas: 6261402

FB011525.M Sat Jan 18 02:02:40 2025

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

Analytical Sequence

Client: Weston Solutions **SDG No.:** Q1109

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 **8.7886**

EPA SAMPLE NO.	LAB SAMPLE ID	DATE AND TIME ANALYZED	DATAFILE	RT	#
20 PPB GRO STD	20 PPB GRO STD	17 Jan 2025 8:56	FB031313.D	8.785	
VBF0117W1	VBF0117W1	17 Jan 2025 9:35	FB031314.D	8.788	
BSF0117W1	BSF0117W1	17 Jan 2025 10:01	FB031315.D	8.790	
BSF0117W2	BSF0117W2	17 Jan 2025 10:28	FB031316.D	8.791	
TAPIAL1-MW04S-011525-00-T2	Q1109-02	17 Jan 2025 11:05	FB031317.D	8.651	*
20 PPB GRO STD	20 PPB GRO STD	17 Jan 2025 12:08	FB031318.D	8.792	

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

QC Limits	Lower Limit	Upper Limits
(± 0.10 minutes)	8.6886	8.8886

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:	VBF0117W1	SDG No.:	Q1109
Lab Sample ID:	VBF0117W1	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
FB031314.D	1	01/17/25 9:35	FB011725

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	18.5		50 - 150		92%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011725\
Data File : FB031314.D
Signal(s) : FID2B.CH
Acq On : 17 Jan 2025 9:35
Operator : YP/AJ
Sample : VBF0117W1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0117W1

Integration File: Calibration.e
Quant Time: Jan 18 01:27:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 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	8.788	440337	18.461 ng/ml
Target Compounds				

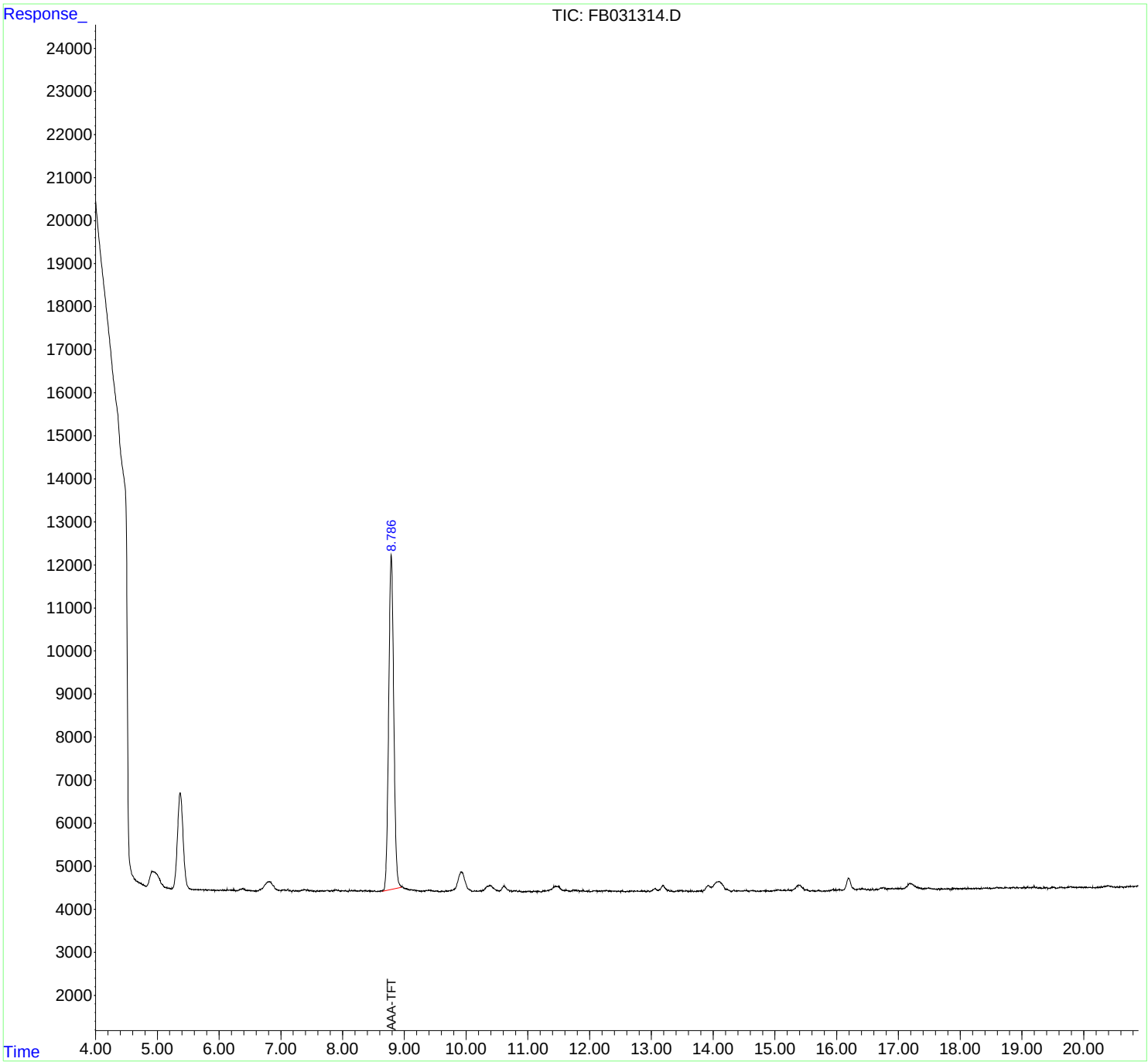
(f)=RT Delta > 1/2 Window (m)=manual int.

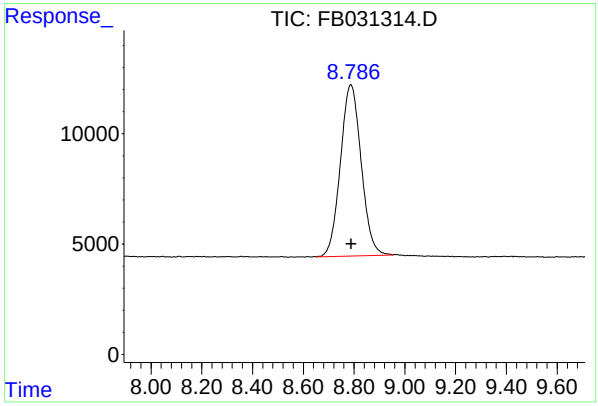
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011725\
Data File : FB031314.D
Signal(s) : FID2B.CH
Acq On : 17 Jan 2025 9:35
Operator : YP/AJ
Sample : VBF0117W1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0117W1

Integration File: Calibration.e
Quant Time: Jan 18 01:27:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 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.: 8.788 min
Delta R.T.: -0.002 mir
Response: 440337
Conc: 18.46 ng/m

Instrument :
FID_B
ClientSampleId :
VBF0117W1

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011725\
Data File : FB031314.D
Signal(s) : FID2B.CH
Acq On : 17 Jan 2025 9:35
Sample : VBF0117W1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	8.788	8.651	8.954	PV	7766	440337	100.00%	100.000%
			Sum of corrected areas:			440337		

FB011525.M Sat Jan 18 02:00:40 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:	BSF0117W1	SDG No.:	Q1109
Lab Sample ID:	BSF0117W1	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
FB031315.D	1	01/17/25 10:01	FB011725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
GRO	GRO	204		6.00	9.00	45.0	ug/L
SURROGATES							
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	18.7		50 - 150		94%	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\FB011725\
Data File : FB031315.D
Signal(s) : FID2B.CH
Acq On : 17 Jan 2025 10:01
Operator : YP/AJ
Sample : BSF0117W1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0117W1

Integration File: Calibration.e
Quant Time: Jan 18 01:27:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 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	446323	18.712	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.718	1147771	34.628	ng/ml
2) t	2,2,4-Trimethylpentane	7.421	1296157	34.465	ng/ml
3) t	n-Heptane	7.752	421174	11.667	ng/ml
4) t	Benzene	7.891	481436	11.304	ng/ml
6) t	Toluene	10.619	1338365	34.276	ng/ml
7) t	Ethylbenzene	13.055	385071	11.120	ng/ml
8) t	m-Xylene	13.189	830821	22.227	ng/ml
9) t	O-Xylene	13.917	794282	22.303	ng/ml
10) t	1,2,4-Trimethylbenzene	16.193	625876	22.099	ng/ml

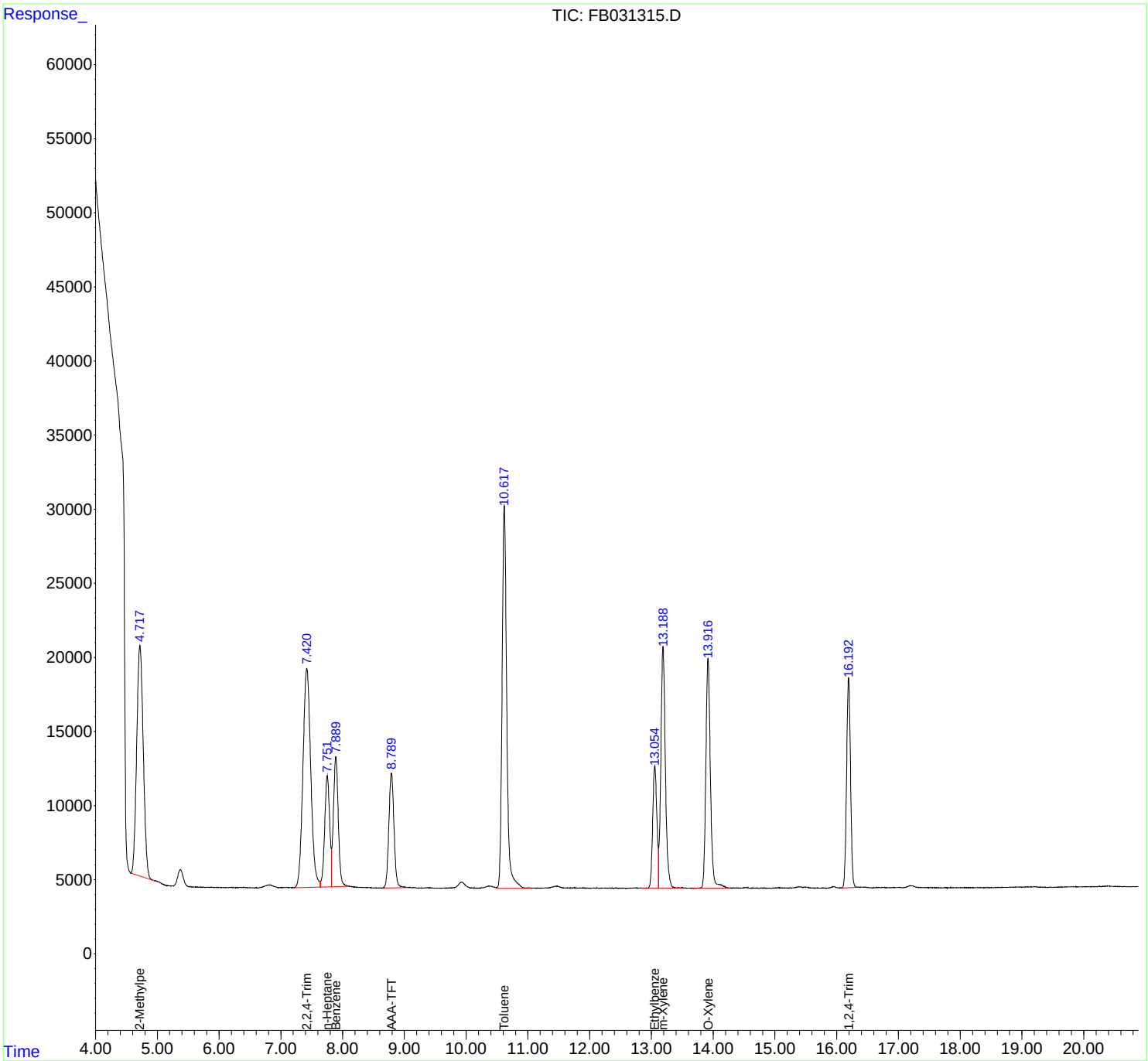
(f)=RT Delta > 1/2 Window (m)=manual int.

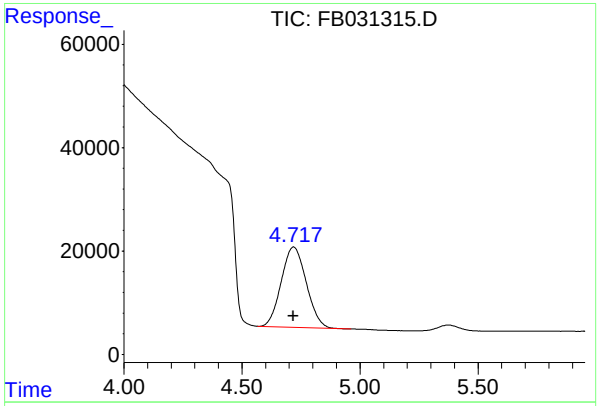
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011725\
Data File : FB031315.D
Signal(s) : FID2B.CH
Acq On : 17 Jan 2025 10:01
Operator : YP/AJ
Sample : BSF0117W1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0117W1

Integration File: Calibration.e
Quant Time: Jan 18 01:27:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

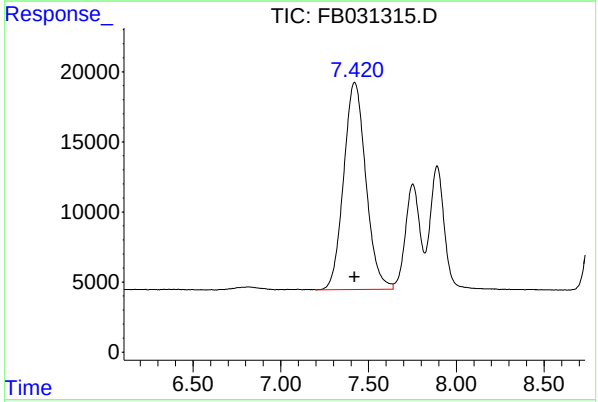




#1 2-Methylpentane

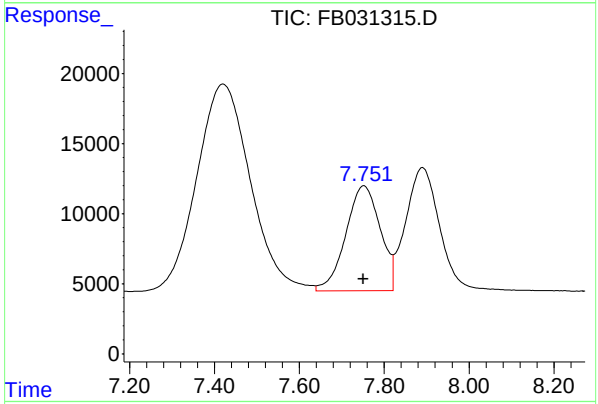
R.T.: 4.718 min
Delta R.T.: 0.000 min
Response: 1147771
Conc: 34.63 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0117W1



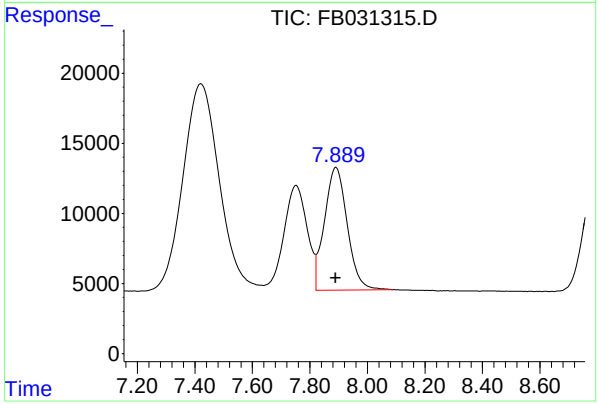
#2 2,2,4-Trimethylpentane

R.T.: 7.421 min
Delta R.T.: 0.001 min
Response: 1296157
Conc: 34.47 ng/ml



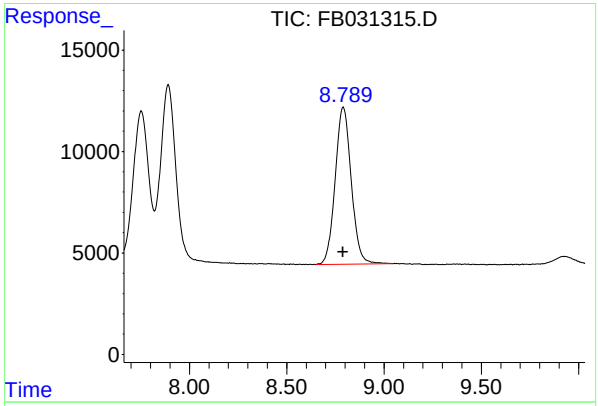
#3 n-Heptane

R.T.: 7.752 min
Delta R.T.: 0.001 min
Response: 421174
Conc: 11.67 ng/ml



#4 Benzene

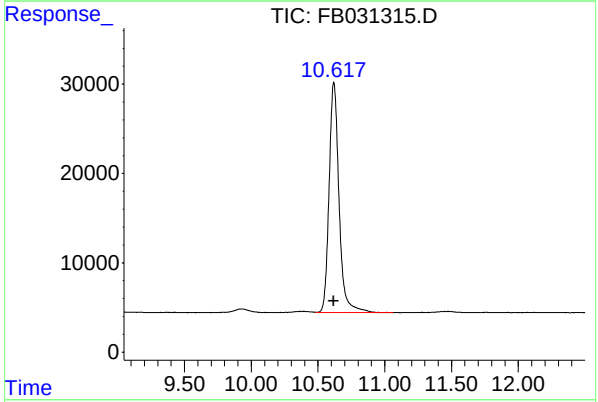
R.T.: 7.891 min
Delta R.T.: 0.001 min
Response: 481436
Conc: 11.30 ng/ml



#5 AAA-TFT

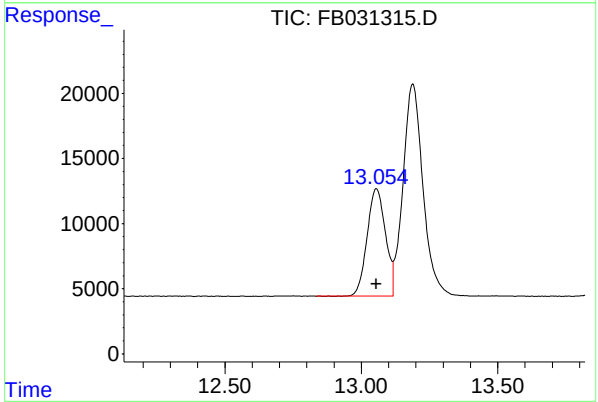
R.T.: 8.790 min
Delta R.T.: 0.000 min
Response: 446323
Conc: 18.71 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0117W1



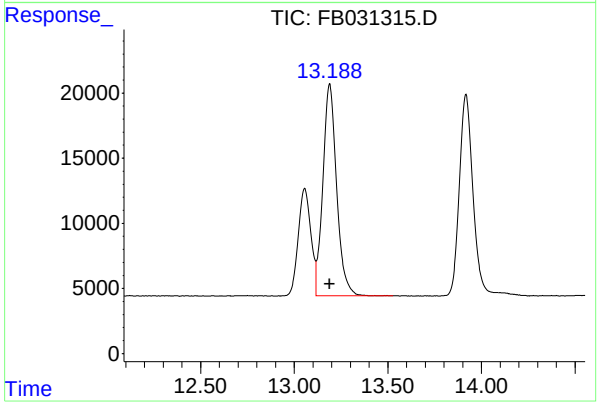
#6 Toluene

R.T.: 10.619 min
Delta R.T.: 0.000 min
Response: 1338365
Conc: 34.28 ng/ml



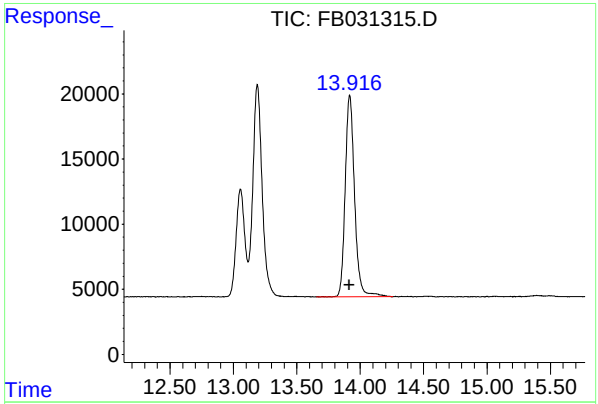
#7 Ethylbenzene

R.T.: 13.055 min
Delta R.T.: 0.001 min
Response: 385071
Conc: 11.12 ng/ml



#8 m-Xylene

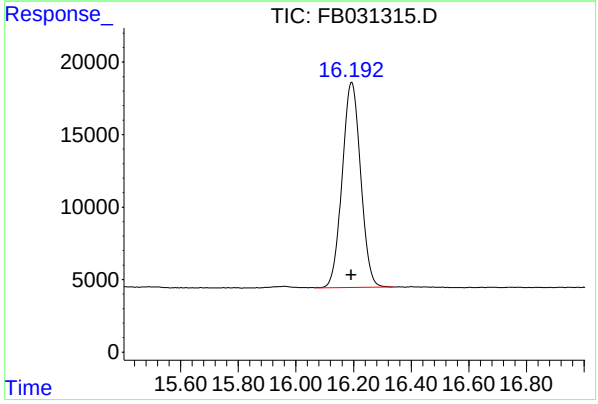
R.T.: 13.189 min
Delta R.T.: 0.000 min
Response: 830821
Conc: 22.23 ng/ml



#9 O-Xylene

R.T.: 13.917 min
Delta R.T.: 0.001 min
Response: 794282
Conc: 22.30 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0117W1



#10 1,2,4-Trimethylbenzene

R.T.: 16.193 min
Delta R.T.: 0.001 min
Response: 625876
Conc: 22.10 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011725\
Data File : FB031315.D
Signal(s) : FID2B.CH
Acq On : 17 Jan 2025 10:01
Sample : BSF0117W1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.718	4.565	4.962	BV	15558	1147771	85.76%	14.777%
2	7.421	7.201	7.639	PV	14784	1296157	96.85%	16.687%
3	7.752	7.639	7.821	VV	7491	421174	31.47%	5.422%
4	7.891	7.821	8.089	VV	8774	481436	35.97%	6.198%
5	8.790	8.650	9.046	PV	7748	446323	33.35%	5.746%
6	10.619	10.485	11.061	VV	25783	1338365	100.00%	17.231%
7	13.055	12.834	13.116	BV	8253	385071	28.77%	4.958%
8	13.189	13.116	13.527	VB	16294	830821	62.08%	10.696%
9	13.917	13.653	14.259	BV	15493	794282	59.35%	10.226%
10	16.193	16.069	16.336	PV	14157	625876	46.76%	8.058%

Sum of corrected areas: 7767276

FB011525.M Sat Jan 18 02:01:11 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:	BSF0117W2	SDG No.:	Q1109
Lab Sample ID:	BSF0117W2	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
FB031316.D	1	01/17/25 10:28	FB011725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
GRO	GRO	181		6.00	9.00	45.0	ug/L
SURROGATES							
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	16.4		50 - 150		82%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011725\
Data File : FB031316.D
Signal(s) : FID2B.CH
Acq On : 17 Jan 2025 10:28
Operator : YP/AJ
Sample : BSF0117W2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0117W2

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :Ankita Jodhani 01/21/2025

Integration File: Calibration.e
Quant Time: Jan 18 01:27:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
5) s	AAA-TFT	8.791	390870	16.387 ng/ml
	Target Compounds			
1) t	2-Methylpentane	4.718	1020307	30.783 ng/ml
2) t	2,2,4-Trimethylpentane	7.421	1142437	30.378 ng/ml
3) t	n-Heptane	7.752	371932	10.303 ng/ml
4) t	Benzene	7.891	427129	10.029 ng/ml
6) t	Toluene	10.619	1192662	30.545 ng/ml
7) t	Ethylbenzene	13.055	345118	9.966 ng/ml
8) t	m-Xylene	13.189	745466	19.943 ng/ml
9) t	O-Xylene	13.916	697426	19.583 ng/ml
10) t	1,2,4-Trimethylbenzene	16.192	561342	19.821 ng/mlm

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

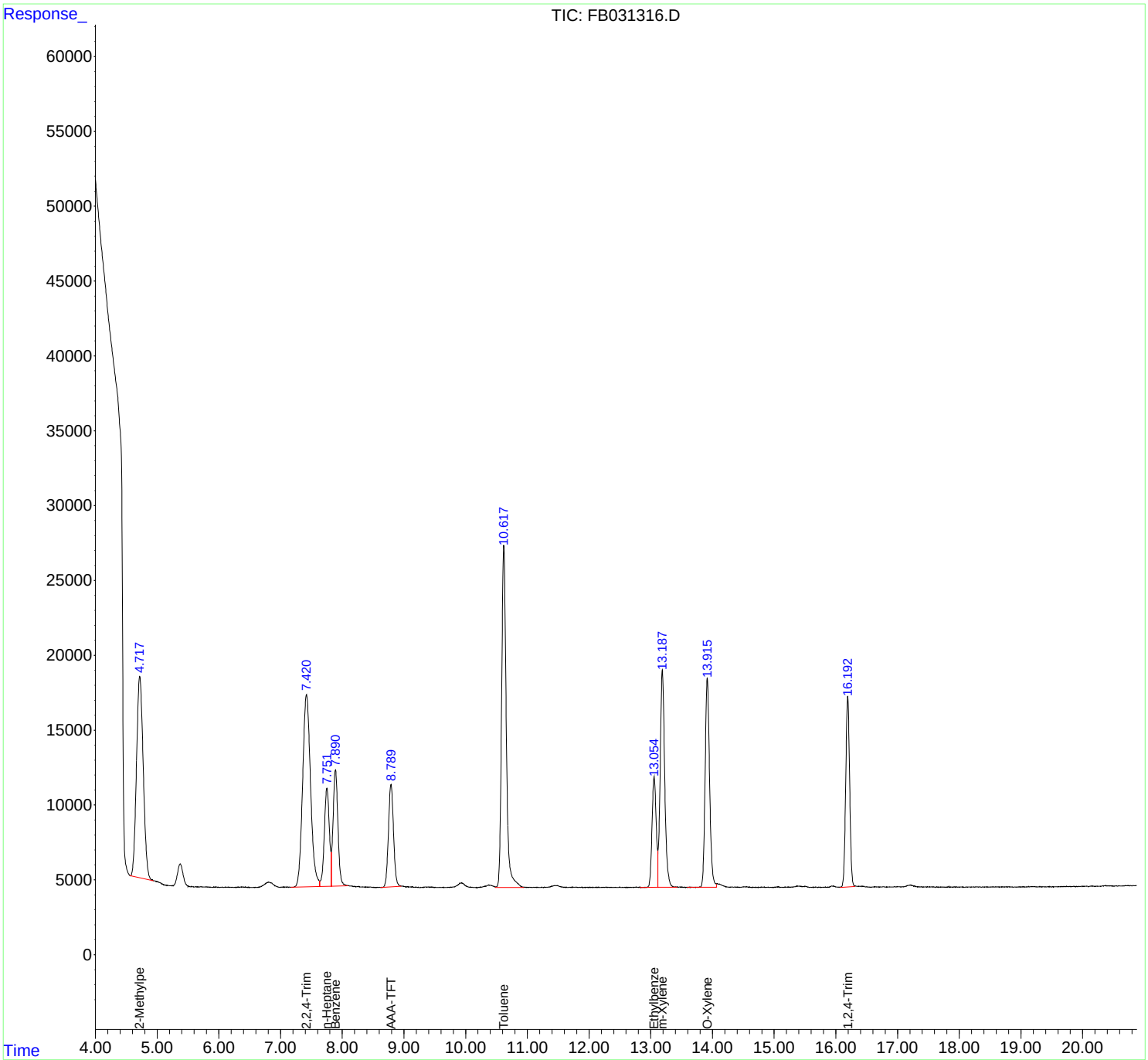
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011725\
Data File : FB031316.D
Signal(s) : FID2B.CH
Acq On : 17 Jan 2025 10:28
Operator : YP/AJ
Sample : BSF0117W2
Misc :
ALS Vial : 4 Sample Multiplier: 1

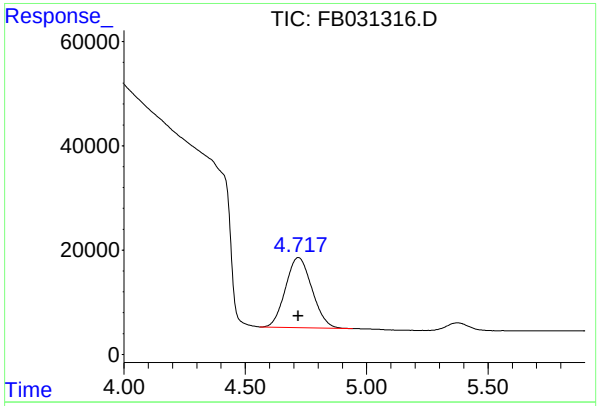
Integration File: Calibration.e
Quant Time: Jan 18 01:27:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_B
ClientSampleId :
BSF0117W2

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :Ankita Jodhani 01/21/2025





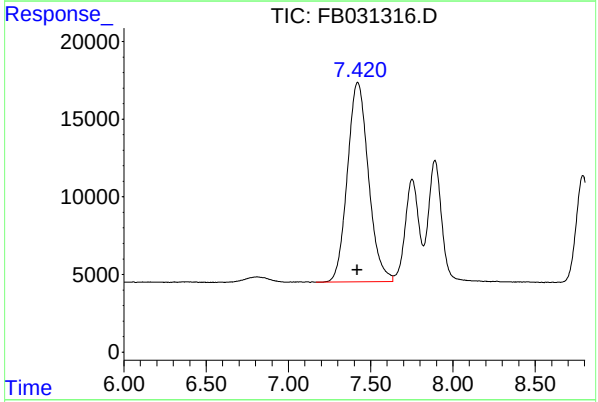
#1 2-Methylpentane

R.T.: 4.718 min
Delta R.T.: 0.000 min
Response: 1020307
Conc: 30.78 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0117W2

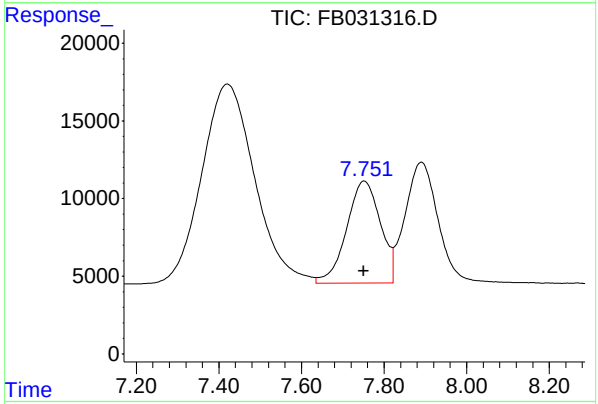
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/21/2025
Supervised By :Ankita Jodhani 01/21/2025



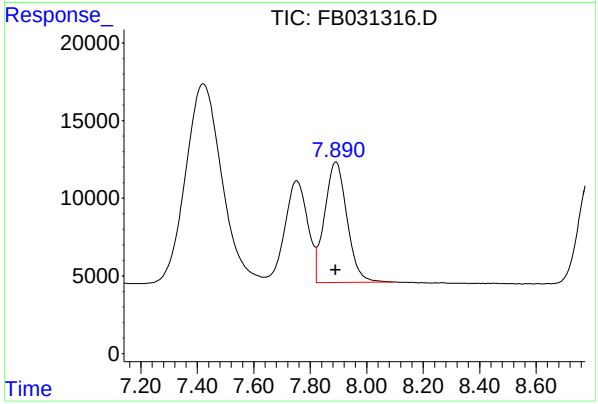
#2 2,2,4-Trimethylpentane

R.T.: 7.421 min
Delta R.T.: 0.001 min
Response: 1142437
Conc: 30.38 ng/ml



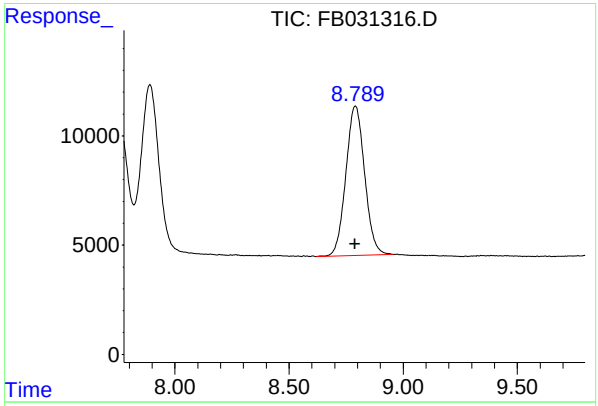
#3 n-Heptane

R.T.: 7.752 min
Delta R.T.: 0.001 min
Response: 371932
Conc: 10.30 ng/ml



#4 Benzene

R.T.: 7.891 min
Delta R.T.: 0.001 min
Response: 427129
Conc: 10.03 ng/ml



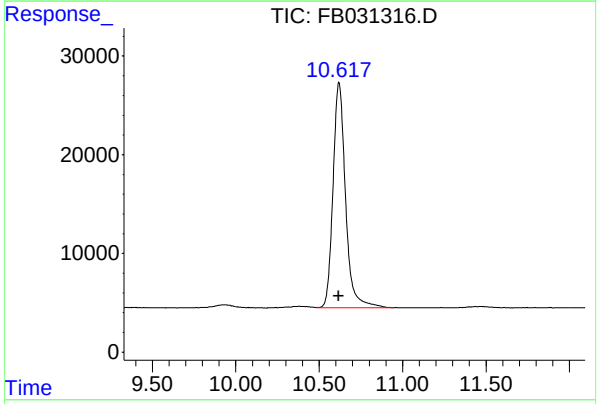
#5 AAA-TFT

R.T.: 8.791 min
Delta R.T.: 0.001 min
Response: 390870
Conc: 16.39 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0117W2

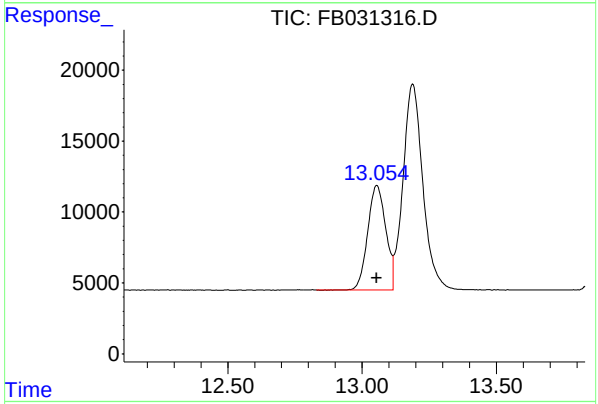
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/21/2025
Supervised By :Ankita Jodhani 01/21/2025



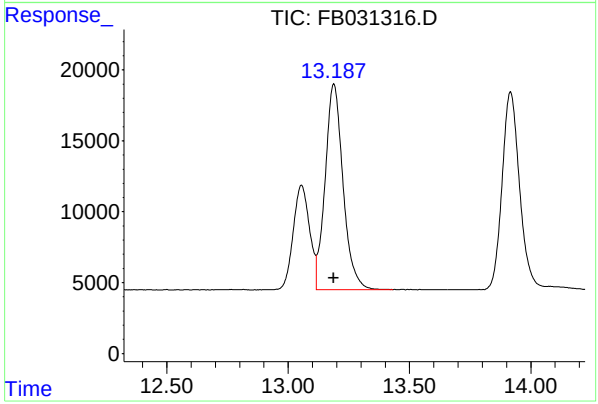
#6 Toluene

R.T.: 10.619 min
Delta R.T.: 0.001 min
Response: 1192662
Conc: 30.54 ng/ml



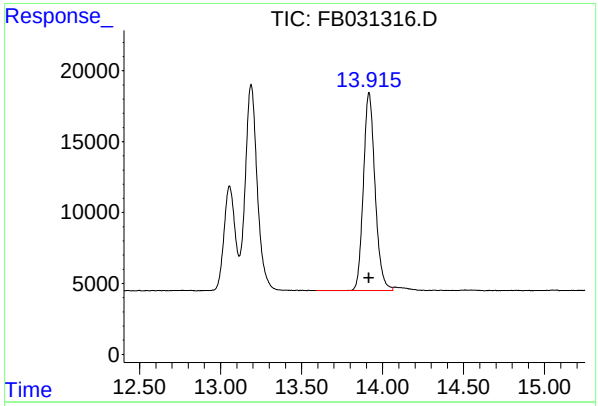
#7 Ethylbenzene

R.T.: 13.055 min
Delta R.T.: 0.000 min
Response: 345118
Conc: 9.97 ng/ml



#8 m-Xylene

R.T.: 13.189 min
Delta R.T.: 0.000 min
Response: 745466
Conc: 19.94 ng/ml



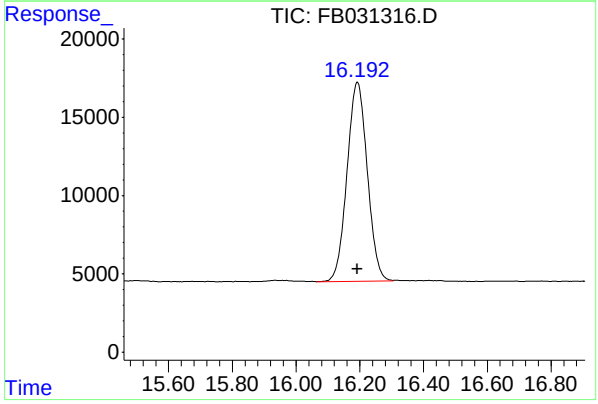
#9 O-Xylene

R.T.: 13.916 min
Delta R.T.: 0.000 min
Response: 697426
Conc: 19.58 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0117W2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/21/2025
Supervised By :Ankita Jodhani 01/21/2025



#10 1,2,4-Trimethylbenzene

R.T.: 16.192 min
Delta R.T.: 0.000 min
Response: 561342
Conc: 19.82 ng/ml m

Instrument :
FID_B
ClientSampleId :
BSF0117W2

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 01/21/2025
Supervised By :Ankita Jodhani 01/21/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB01172
Data File : FB031316.D
Signal(s) : FID2B.CH
Acq On : 17 Jan 2025 10:28
Sample : BSF0117W2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.718	4.559	4.943	BV	13451	1020307	85.55%	14.800%
2	7.421	7.167	7.635	PV	12851	1142437	95.79%	16.572%
3	7.752	7.635	7.821	VV	6565	371932	31.19%	5.395%
4	7.891	7.821	8.094	VV	7767	427129	35.81%	6.196%
5	8.791	8.619	8.957	PV	6843	390870	32.77%	5.670%
6	10.619	10.482	10.943	VV	22851	1192662	100.00%	17.300%
7	13.055	12.829	13.116	BV	7380	345118	28.94%	5.006%
8	13.189	13.116	13.433	VV	14526	745466	62.50%	10.813%
9	13.916	13.589	14.063	BV	13973	697426	58.48%	10.117%
10	16.193	16.016	16.401	BBA	12717	560594	47.00%	8.132%

Sum of corrected areas: 6893942

FB011525.M Sat Jan 18 02:01:38 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
20 PPB GRO STD		FB031313.D	FB011725	AAA-TFT	Ankita	1/21/2025 8:41:45 AM	Peak Integrated by Software incorrectly
20 PPB GRO STD		FB031313.D	FB011725	Ethylbenzene	Ankita	1/21/2025 8:41:45 AM	Peak Integrated by Software incorrectly
BSF0117W2		FB031316.D	FB011725	1,2,4-Trimethylbenzene	Ankita	1/21/2025 8:41:47 AM	Peak Integrated by Software incorrectly
BSF0117S3		FB031325.D	FB011725	2-Methylpentane	Ankita	1/21/2025 8:41:49 AM	Peak Integrated by Software incorrectly
20 PPB GRO STD		FB031326.D	FB011725	2-Methylpentane	Ankita	1/21/2025 8:41:52 AM	Peak Integrated by Software incorrectly
20 PPB GRO STD		FB031326.D	FB011725	O-Xylene	Ankita	1/21/2025 8:41:52 AM	Peak Integrated by Software incorrectly

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Fax : 908 789 8922

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QCBatch ID # FB011525

Review By	yogesh	Review On	1/15/2025 12:15:24 PM		
Supervise By	Ankita	Supervise On	1/16/2025 10:14:58 AM		
SubDirectory	FB011525	HP Acquire Method		HP Processing Method	FB011525

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24113,PP24114,PP24115,PP24116,PP24117
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24111,PP24118
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	5 GRO STD	FB031307.D	15 Jan 2025 10:20	YP/AJ	Ok
2	10 GRO STD	FB031308.D	15 Jan 2025 10:47	YP/AJ	Ok
3	20 GRO STD	FB031309.D	15 Jan 2025 11:13	YP/AJ	Ok
4	50 GRO STD	FB031310.D	15 Jan 2025 11:40	YP/AJ	Ok
5	100 GRO STD	FB031311.D	15 Jan 2025 12:07	YP/AJ	Ok
6	FB011525GROICV	FB031312.D	15 Jan 2025 12:44	YP/AJ	Ok

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QCBatch ID # FB011725

Review By	yogesh	Review On	1/17/2025 1:05:01 PM		
Supervise By	Ankita	Supervise On	1/21/2025 8:20:07 AM		
SubDirectory	FB011725	HP Acquire Method		HP Processing Method	FB011525

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24113,PP24114,PP24115,PP24116,PP24117
CCC	PP24120,PP24121,PP24122
Internal Standard/PEM	
ICV/I.BLK	PP24111,PP24118
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	20 PPB GRO STD	FB031313.D	17 Jan 2025 8:56	YP/AJ	Ok,M
2	VBF0117W1	FB031314.D	17 Jan 2025 9:35	YP/AJ	Ok
3	BSF0117W1	FB031315.D	17 Jan 2025 10:01	YP/AJ	Ok
4	BSF0117W2	FB031316.D	17 Jan 2025 10:28	YP/AJ	Ok,M
5	Q1109-02	FB031317.D	17 Jan 2025 11:05	YP/AJ	Ok
6	20 PPB GRO STD	FB031318.D	17 Jan 2025 12:08	YP/AJ	Ok
7	VBF0117S1	FB031319.D	17 Jan 2025 12:51	YP/AJ	Ok
8	VBF0117S2	FB031320.D	17 Jan 2025 13:17	YP/AJ	Ok
9	BSF0117S1	FB031321.D	17 Jan 2025 13:44	YP/AJ	Ok
10	Q1123-01	FB031322.D	17 Jan 2025 16:12	YP/AJ	Not Ok
11	Q1123-01	FB031323.D	17 Jan 2025 16:39	YP/AJ	Not Ok
12	Q1123-01	FB031324.D	17 Jan 2025 17:05	YP/AJ	Ok
13	BSF0117S3	FB031325.D	17 Jan 2025 17:31	YP/AJ	Ok,M
14	20 PPB GRO STD	FB031326.D	17 Jan 2025 17:58	YP/AJ	Ok,M

M : Manual Integration

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

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QCBatch ID # FB011525

Review By	yogesh	Review On	1/15/2025 12:15:24 PM		
Supervise By	Ankita	Supervise On	1/16/2025 10:14:58 AM		
SubDirectory	FB011525	HP Acquire Method		HP Processing Method	FB011525

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24113,PP24114,PP24115,PP24116,PP24117
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24111,PP24118
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	5 GRO STD		FB031307.D	15 Jan 2025 10:20		YP/AJ	Ok
2	10 GRO STD		FB031308.D	15 Jan 2025 10:47		YP/AJ	Ok
3	20 GRO STD		FB031309.D	15 Jan 2025 11:13		YP/AJ	Ok
4	50 GRO STD		FB031310.D	15 Jan 2025 11:40		YP/AJ	Ok
5	100 GRO STD		FB031311.D	15 Jan 2025 12:07		YP/AJ	Ok
6	FB011525GROICV		FB031312.D	15 Jan 2025 12:44		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 # FB011725

Review By	yogesh	Review On	1/17/2025 1:05:01 PM		
Supervise By	Ankita	Supervise On	1/21/2025 8:20:07 AM		
SubDirectory	FB011725	HP Acquire Method		HP Processing Method	FB011525

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24113,PP24114,PP24115,PP24116,PP24117
CCC	PP24120,PP24121,PP24122
Internal Standard/PEM	
ICV/I.BLK	PP24111,PP24118
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	20 PPB GRO STD		FB031313.D	17 Jan 2025 8:56		YP/AJ	Ok,M
2	VBF0117W1		FB031314.D	17 Jan 2025 9:35		YP/AJ	Ok
3	BSF0117W1		FB031315.D	17 Jan 2025 10:01		YP/AJ	Ok
4	BSF0117W2		FB031316.D	17 Jan 2025 10:28		YP/AJ	Ok,M
5	Q1109-02		FB031317.D	17 Jan 2025 11:05	Vial - A	YP/AJ	Ok
6	20 PPB GRO STD		FB031318.D	17 Jan 2025 12:08		YP/AJ	Ok
7	VBF0117S1		FB031319.D	17 Jan 2025 12:51		YP/AJ	Ok
8	VBF0117S2		FB031320.D	17 Jan 2025 13:17		YP/AJ	Ok
9	BSF0117S1		FB031321.D	17 Jan 2025 13:44		YP/AJ	Ok
10	Q1123-01		FB031322.D	17 Jan 2025 16:12	Vial-A Not Purged	YP/AJ	Not Ok
11	Q1123-01		FB031323.D	17 Jan 2025 16:39	Vial-B Not Purged	YP/AJ	Not Ok
12	Q1123-01		FB031324.D	17 Jan 2025 17:05	Vial-C	YP/AJ	Ok
13	BSF0117S3		FB031325.D	17 Jan 2025 17:31		YP/AJ	Ok,M
14	20 PPB GRO STD		FB031326.D	17 Jan 2025 17:58		YP/AJ	Ok,M

M : Manual Integration

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Prep Standard - Chemical Standard Summary

Order ID : Q1109

Test : Gasoline Range Organics

Prepbatch ID :

Sequence ID/Qc Batch ID: FB011725,

Standard ID :
PP24110,PP24111,PP24112,PP24113,PP24114,PP24115,PP24116,PP24117,PP24118,PP24120,PP24121,PP24122,

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

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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
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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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	PP24113	01/15/2025	07/13/2025	Yogesh Patel	None	None	Ankita Jodhani 01/15/2025

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

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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	PP24114	01/15/2025	07/13/2025	Yogesh Patel	None	None	Ankita Jodhani 01/15/2025

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	PP24115	01/15/2025	07/13/2025	Yogesh Patel	None	None	Ankita Jodhani 01/15/2025

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

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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	PP24116	01/15/2025	07/13/2025	Yogesh Patel	None	None	Ankita Jodhani 01/15/2025

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	PP24117	01/15/2025	07/13/2025	Yogesh Patel	None	None	Ankita Jodhani 01/15/2025

FROM 5.00000ml of W3112 + 0.02000ml of PP24112 + 0.05000ml of PP24110 = Final Quantity: 5.070 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
239	20 PPB ICC GRO STD	PP24118	01/15/2025	07/13/2025	Yogesh Patel	None	None	Ankita Jodhani 01/15/2025

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	PP24120	01/17/2025	07/13/2025	Yogesh Patel	None	None	Ankita Jodhani 01/20/2025

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	PP24121	01/17/2025	07/13/2025	Yogesh Patel	None	None	Ankita Jodhani 01/20/2025

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	PP24122	01/17/2025	07/13/2025	Yogesh Patel	None	None	Ankita Jodhani 01/20/2025

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

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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 **Purity** 98%	(Lot MKCB1674V)	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 **Purity** 99%	(Lot SHBD2922V)	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 **Purity** 98%	(Lot SHBK8626)	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 **Purity** 99%	(Lot SHBK5679)	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 **Purity** 99%	(Lot MKCH9232)	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 **Purity** 99%	(Lot SHBJ4278)	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 **Purity** 99%	(Lot SHBJ8743)	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)

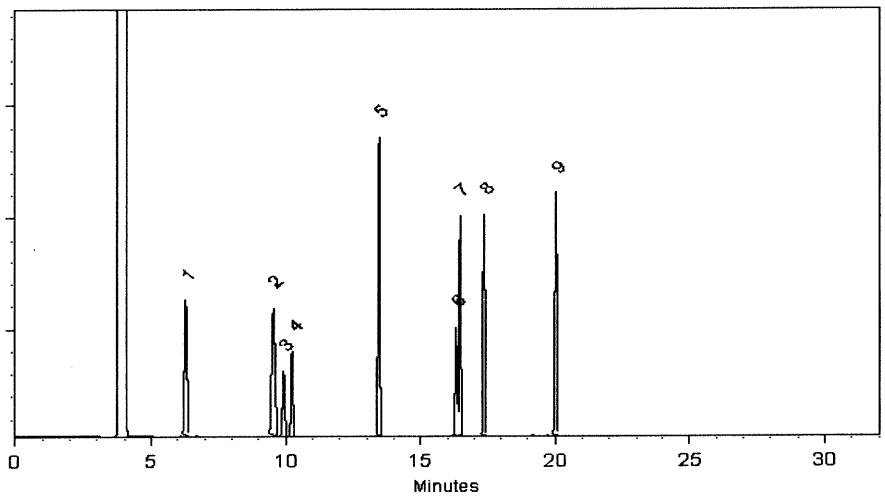
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

Q1109

Weston COC ID
Weston_20250115_1527

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		

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

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

#	Sample ID	G/C	Matrix	# Cont	MS/MSD	Date Collected	Time Collected	TPH-DRO by EPA 8015D	Pesticides by EPA 8081B	SVOCs by EPA 8270E	Oil & Grease by EPA 1664A	Hardness by Calc by EPA 200.7	Anions by EPA 9056A	TOC by EPA 9060A/Lloyd Kahn	TPH-GRO by EPA 8015D	VOCs by EPA 8260D	Hex Chromium by EPA 7196A	Ammonia by SM4500-NH3 B&G	TAL Metals w Hg by 6020B/7470A	Special Instructions/Comments
Analyses Requested:																				
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 C	H2SO4	HNO3	Ice to 0-6 deg C	H2SO4	HCL	HCL	Ammonium Sulfate	H2SO4	HNO3	
1	TAPIAL1-MW04I-011525-00-T3	g	GW	4	no	1/15/2025	12:20					X		X					X	
2	TAPIAL1-MW04S-011525-00-T2	g	GW	19	no	1/15/2025	12:20	X	X	X	X	X	X	X	X	X	X	X	X	
3	TAP-TB-01-011525	g	W	2	no	1/15/2025	15:35									X				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

Shipping Airbill Number: 771460519011, 771460519022

Temp 2.2°C

Cooler Number: 1 + 2 of 2

	Relinquished By	Date	Time	Received By	Date	Time
1.)	Clyn Hyt	1/15/25	1700		1-16-25	0932
2.)						
3.)						

Additional Comments

QSM 6.0 Compliant

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

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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1109 WEST04
Client Name : Weston Solutions
Client Contact : Nathan Fretz
Invoice Name : Weston Solutions
Invoice Contact : Nathan Fretz

Order Date : 1/16/2025 11:32:00 AM
Project Name : Ft Meade Tipton Airfield Pa
Receive DateTime : 1/16/2025 9:32:00 AM
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : SEDD 2A
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1109-02	TAPIAL1-MW04S-011525-00-T2	Water	01/15/2025	12:20					
					Gasoline Range Organics		8015D		10 Bus. Days

Relinguished By : [signature]
Date / Time : 1-16-25 1315

Received By : [signature]
Date / Time : 1-16-25 2:10 PM

Storage Area : VOA Refridgerator Room

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1109 WEST04
Client Name : Weston Solutions
Client Contact : Nathan Fretz
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Order Date : 1/16/2025 11:32:00 AM
Project Name : Ft Meade Tipton Airfield Pa
Receive DateTime : 1/16/2025 9:32:00 AM
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : SEDD 2A
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1109-02	TAPIAL1-MW04S-011525-00-T2	Water	01/15/2025	12:20					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q1109-04	TAP-TB-01-011525	Water	01/15/2025	15:35					
					VOC-TCLVOA-10		8260D		10 Bus. Days

stored in VOA ref #05

Relinquished By :
Date / Time : 12-16-25 1315

Received By :
Date / Time : 01/16/25 2:00 pm

Storage Area : VOA Refridgerator Room

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011725\
Data File : FB031313.D
Signal(s) : FID2B.CH
Acq On : 17 Jan 2025 8:56
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Jan 18 01:27:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 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	8.784	436683	18.307 ng/ml
	Target Compounds			
1) t	2-Methylpentane	4.717	1086663	32.784 ng/ml
2) t	2,2,4-Trimethylpentane	7.412	1252374	33.301 ng/ml
3) t	n-Heptane	7.746	365239	10.118 ng/ml
4) t	Benzene	7.885	442154	10.382 ng/ml
6) t	Toluene	10.613	1260561	32.284 ng/ml
7) t	Ethylbenzene	13.049	381483	11.016 ng/ml
8) t	m-Xylene	13.183	822650	22.008 ng/ml
9) t	O-Xylene	13.912	799171	22.440 ng/ml
10) t	1,2,4-Trimethylbenzene	16.188	668910	23.619 ng/ml

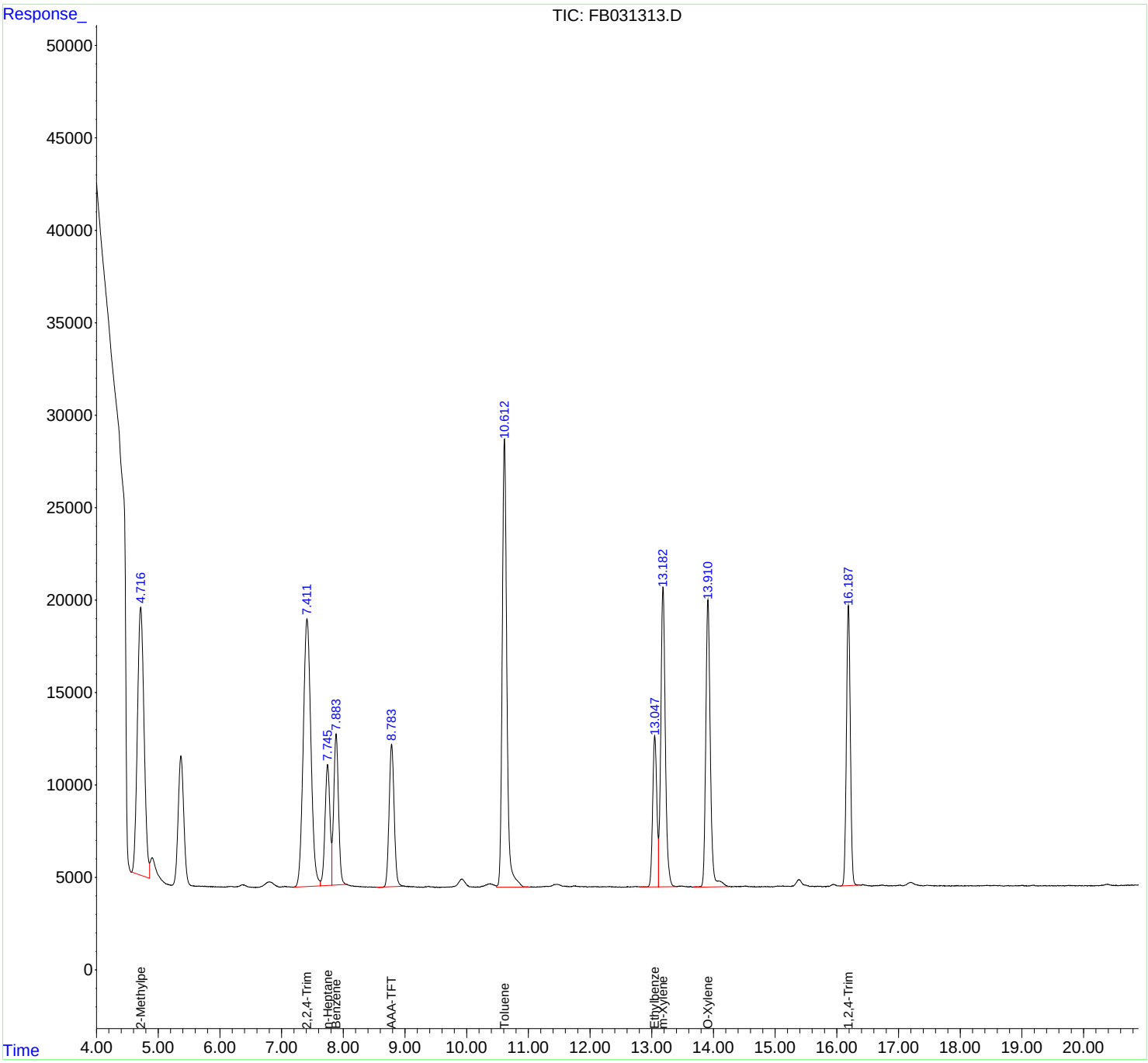
(f)=RT Delta > 1/2 Window (m)=manual int.

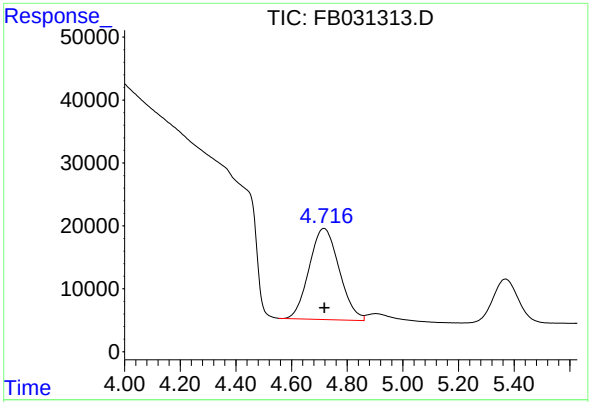
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011725\
Data File : FB031313.D
Signal(s) : FID2B.CH
Acq On : 17 Jan 2025 8:56
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Jan 18 01:27:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

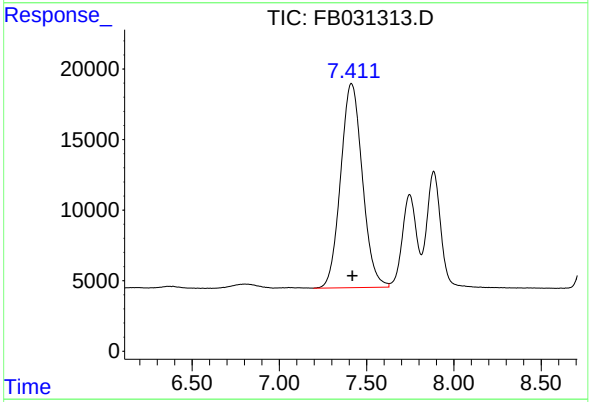




#1 2-Methylpentane

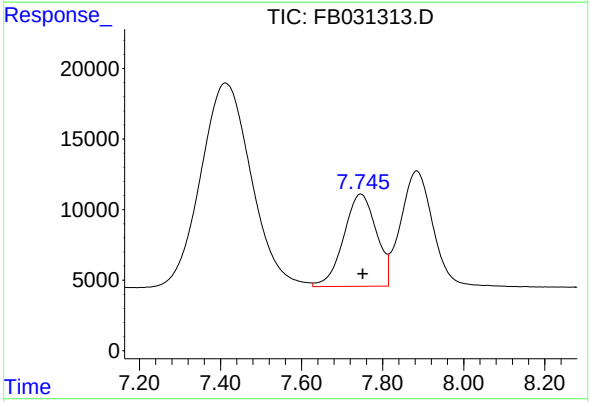
R.T.: 4.717 min
Delta R.T.: 0.000 min
Response: 1086663
Conc: 32.78 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



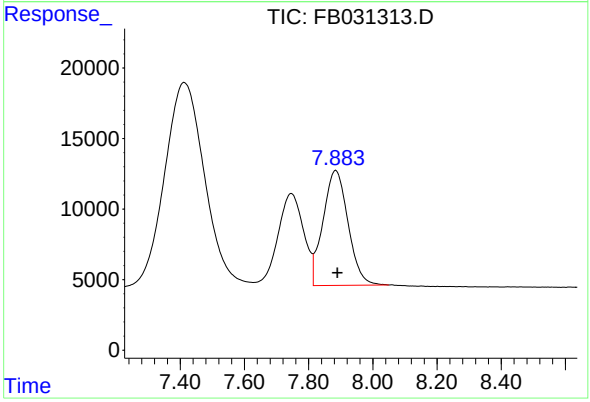
#2 2,2,4-Trimethylpentane

R.T.: 7.412 min
Delta R.T.: -0.007 min
Response: 1252374
Conc: 33.30 ng/ml



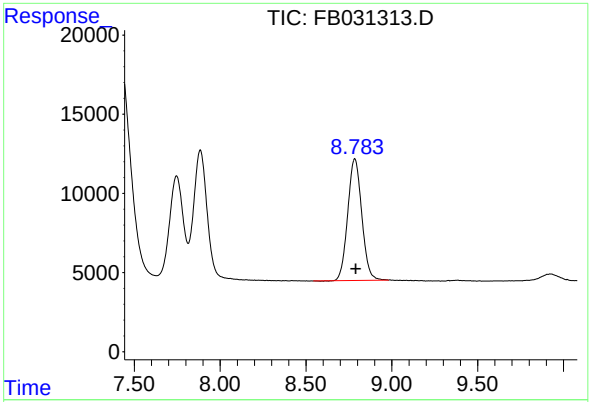
#3 n-Heptane

R.T.: 7.746 min
Delta R.T.: -0.005 min
Response: 365239
Conc: 10.12 ng/ml



#4 Benzene

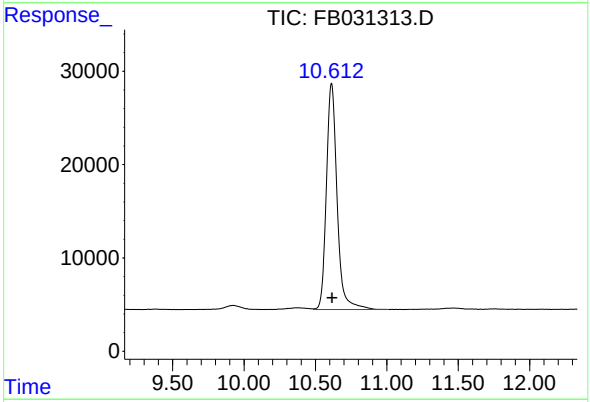
R.T.: 7.885 min
Delta R.T.: -0.005 min
Response: 442154
Conc: 10.38 ng/ml



#5 AAA-TFT

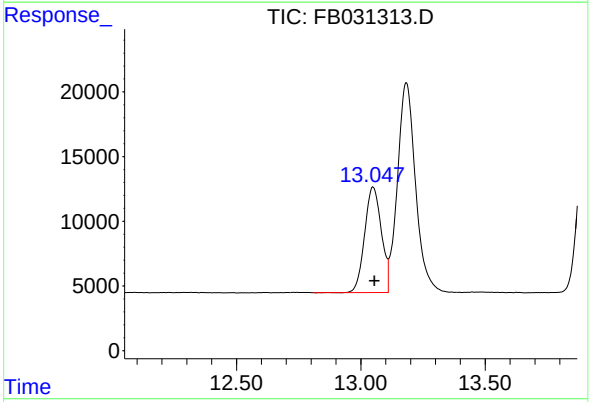
R.T.: 8.784 min
Delta R.T.: -0.005 min
Response: 436683
Conc: 18.31 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



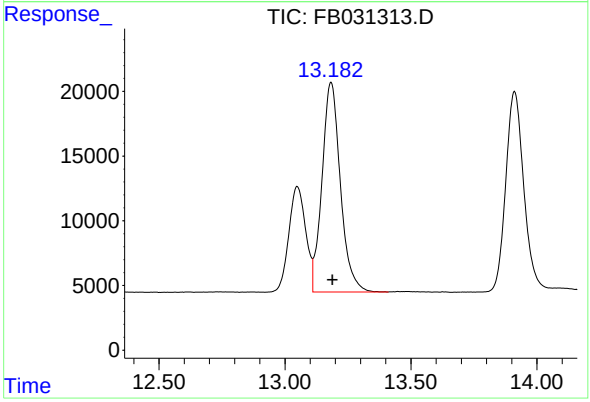
#6 Toluene

R.T.: 10.613 min
Delta R.T.: -0.005 min
Response: 1260561
Conc: 32.28 ng/ml



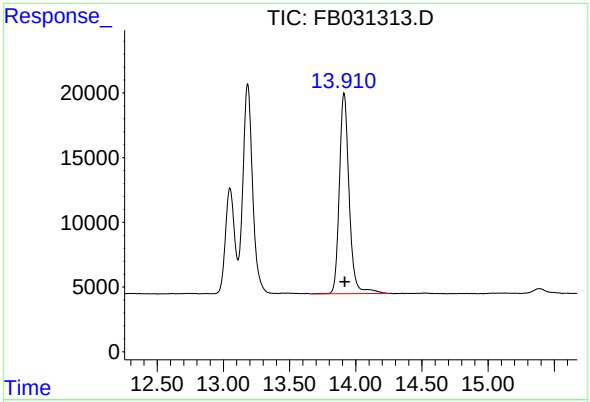
#7 Ethylbenzene

R.T.: 13.049 min
Delta R.T.: -0.005 min
Response: 381483
Conc: 11.02 ng/ml



#8 m-Xylene

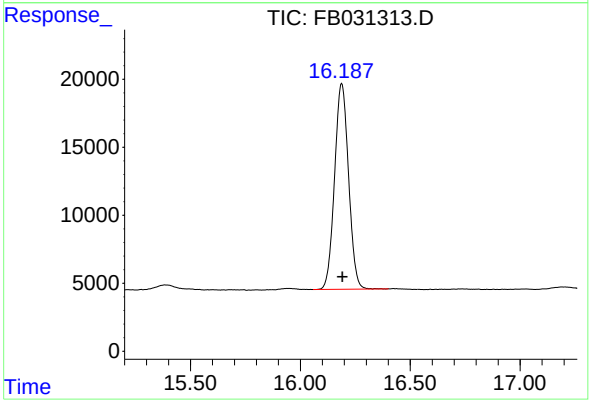
R.T.: 13.183 min
Delta R.T.: -0.005 min
Response: 822650
Conc: 22.01 ng/ml



#9 O-Xylene

R.T.: 13.912 min
Delta R.T.: -0.004 min
Response: 799171
Conc: 22.44 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



#10 1,2,4-Trimethylbenzene

R.T.: 16.188 min
Delta R.T.: -0.004 min
Response: 668910
Conc: 23.62 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011725\
Data File : FB031316.D
Signal(s) : FID2B.CH
Acq On : 17 Jan 2025 10:28
Operator : YP/AJ
Sample : BSF0117W2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0117W2

Integration File: Calibration.e
Quant Time: Jan 18 01:27:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
5) s	AAA-TFT	8.791	390870	16.387 ng/ml
	Target Compounds			
1) t	2-Methylpentane	4.718	1020307	30.783 ng/ml
2) t	2,2,4-Trimethylpentane	7.421	1142437	30.378 ng/ml
3) t	n-Heptane	7.752	371932	10.303 ng/ml
4) t	Benzene	7.891	427129	10.029 ng/ml
6) t	Toluene	10.619	1192662	30.545 ng/ml
7) t	Ethylbenzene	13.055	345118	9.966 ng/ml
8) t	m-Xylene	13.189	745466	19.943 ng/ml
9) t	O-Xylene	13.916	697426	19.583 ng/ml
10) t	1,2,4-Trimethylbenzene	16.193	560594	19.794 ng/ml

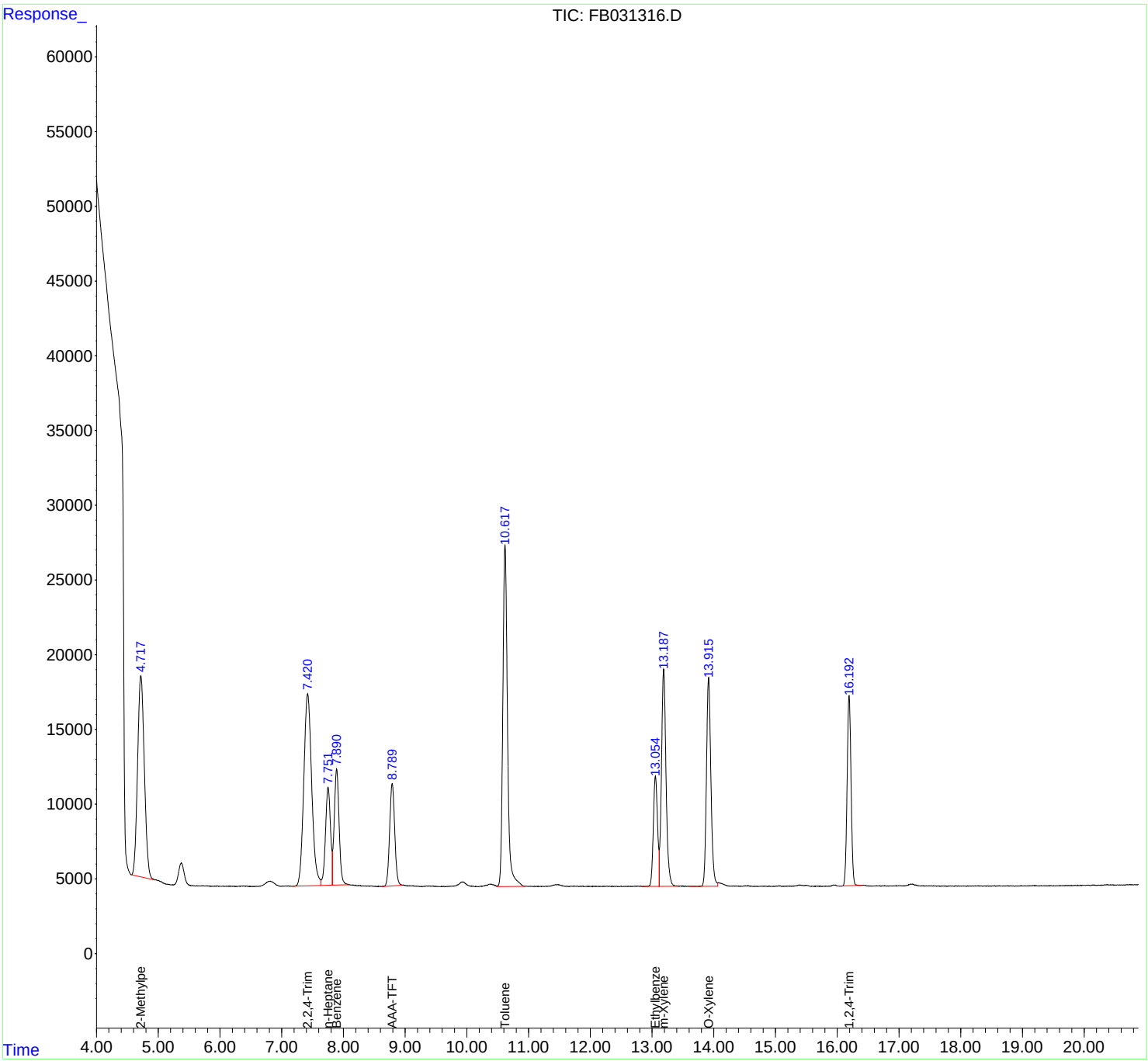
(f)=RT Delta > 1/2 Window (m)=manual int.

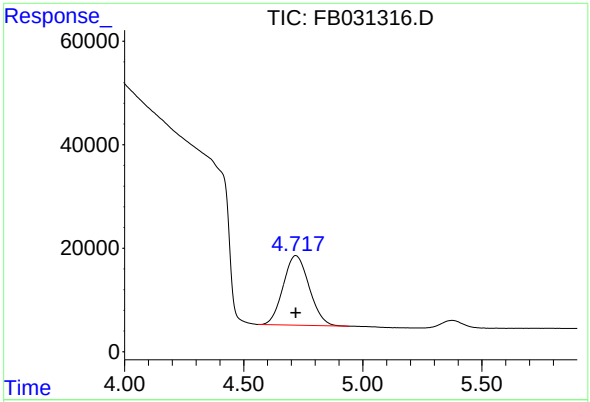
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011725\
Data File : FB031316.D
Signal(s) : FID2B.CH
Acq On : 17 Jan 2025 10:28
Operator : YP/AJ
Sample : BSF0117W2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0117W2

Integration File: Calibration.e
Quant Time: Jan 18 01:27:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

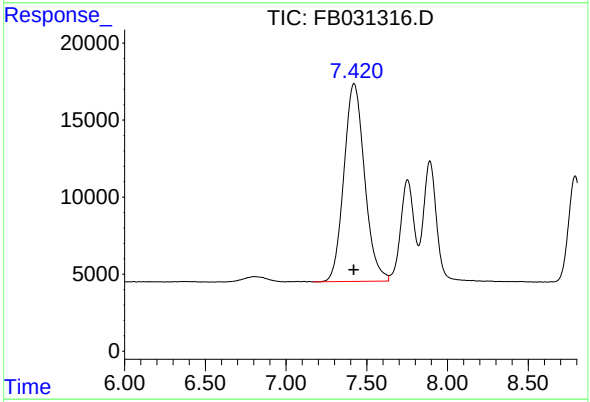




#1 2-Methylpentane

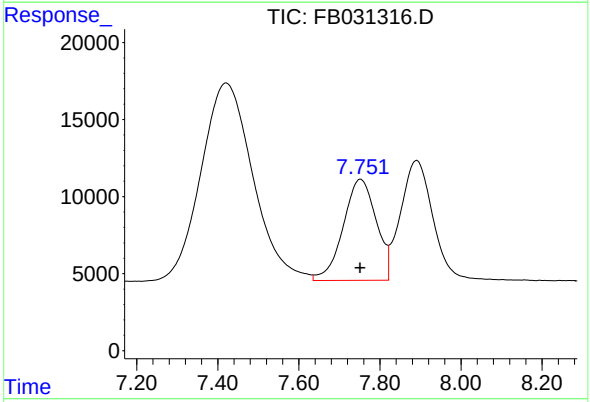
R.T.: 4.718 min
Delta R.T.: 0.000 min
Response: 1020307
Conc: 30.78 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0117W2



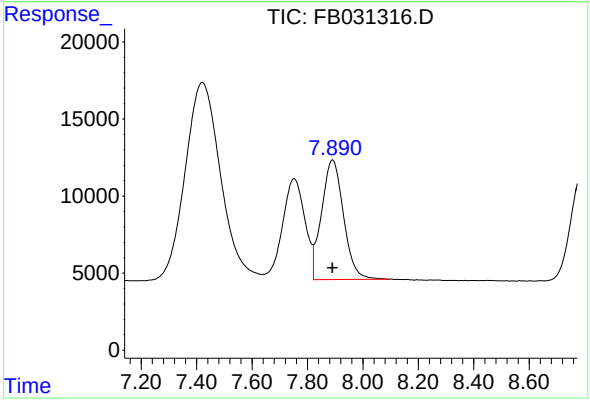
#2 2,2,4-Trimethylpentane

R.T.: 7.421 min
Delta R.T.: 0.001 min
Response: 1142437
Conc: 30.38 ng/ml



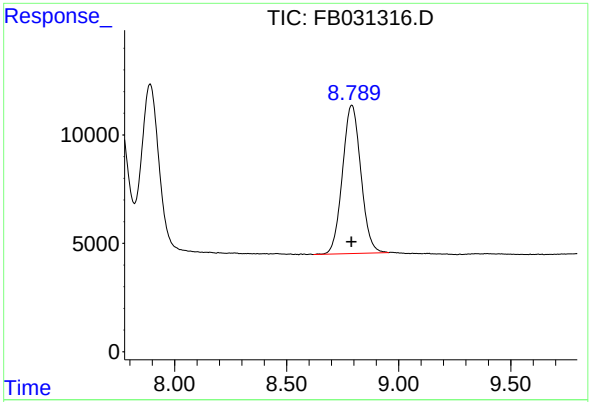
#3 n-Heptane

R.T.: 7.752 min
Delta R.T.: 0.001 min
Response: 371932
Conc: 10.30 ng/ml



#4 Benzene

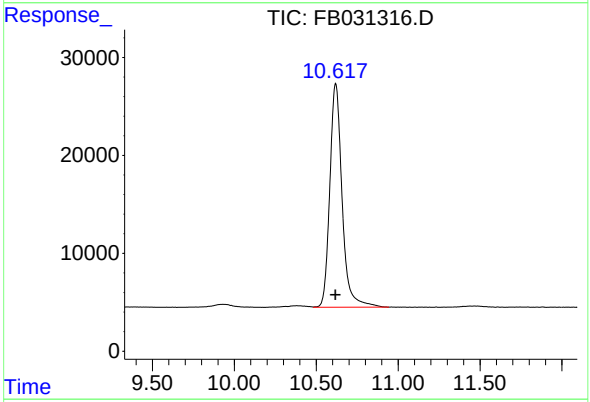
R.T.: 7.891 min
Delta R.T.: 0.001 min
Response: 427129
Conc: 10.03 ng/ml



#5 AAA-TFT

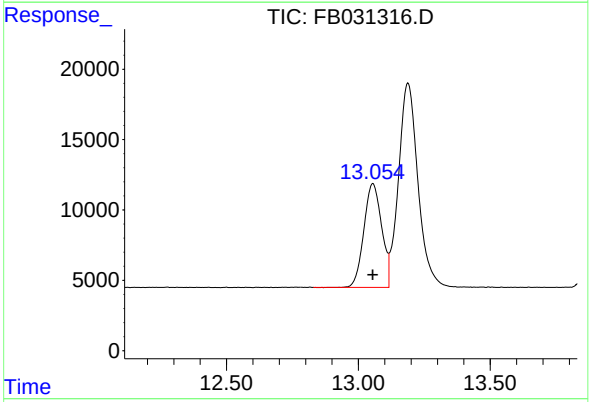
R.T.: 8.791 min
Delta R.T.: 0.001 min
Response: 390870
Conc: 16.39 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0117W2



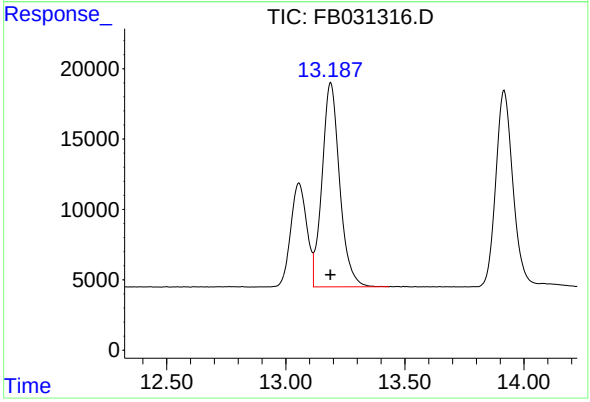
#6 Toluene

R.T.: 10.619 min
Delta R.T.: 0.001 min
Response: 1192662
Conc: 30.54 ng/ml



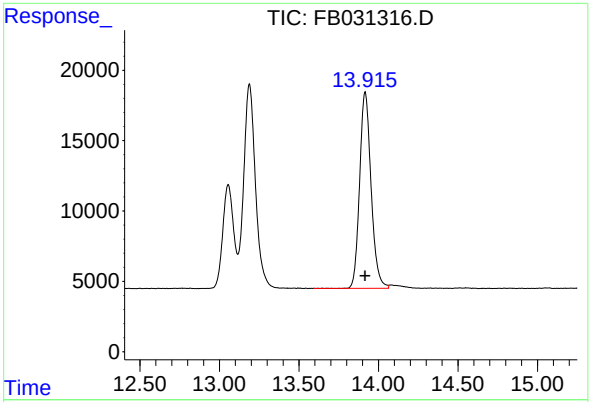
#7 Ethylbenzene

R.T.: 13.055 min
Delta R.T.: 0.000 min
Response: 345118
Conc: 9.97 ng/ml



#8 m-Xylene

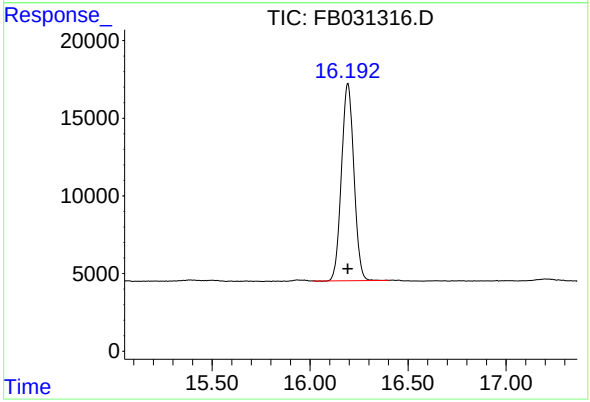
R.T.: 13.189 min
Delta R.T.: 0.000 min
Response: 745466
Conc: 19.94 ng/ml



#9 O-Xylene

R.T.: 13.916 min
Delta R.T.: 0.000 min
Response: 697426
Conc: 19.58 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0117W2



#10 1,2,4-Trimethylbenzene

R.T.: 16.193 min
Delta R.T.: 0.000 min
Response: 560594
Conc: 19.79 ng/ml