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 : Q1211

ATTENTION : Nathan Fretz

Laboratory Certification ID # 20012

Table Of Contents for Q1211

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Cover Page

Order ID : Q1211

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

Client : Weston Solutions

Lab Sample Number	Client Sample Number
Q1211-01	TAPHHA-MW01-012825-00-T4
Q1211-02	TAPIAL2-MW03-012825-00-T3
Q1211-03	TAP-TB-02-012825-T4

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

Signature : APPROVED
By Nimisha Pandya, QA/QC Supervisor at 11:34 am, Feb 11, 2025

Date: 2/4/2025

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 # Q1211
Test Name: Gasoline Range Organics

A. Number of Samples and Date of Receipt:
3 Water samples were received on 01/29/2025.

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

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

D. QA/ QC Samples:

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

E. Additional Comments:

The not QT review data is reported in the Miscellaneous.

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F. Calculation for Concentration in WATER samples :

Calculations for samples are: Waters:

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

Where

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

CF = mean CF of the initial calibration

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

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

Signature_____ **APPROVED**
By Nimisha Pandya, QA/QC Supervisor at 11:35 am, Feb 11, 2025

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

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value**.** This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: Q1211 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

REVIEWED
By Sohil Jodhani, QA/QC Director at 9:25 am, Feb 11, 2025

Date

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1211

	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:** 02/04/2025

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LAB CHRONICLE

OrderID:	Q1211	**OrderDate:**	1/29/2025 10:10:00 AM
Client:	Weston Solutions	**Project:**	Ft Meade Tipton Airfield Parcel RI - PO 0111169
Contact:	Nathan Fretz	**Location:**	N31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1211-01	**TAPHHA-MW01-01282 5-00-T4**	**Water**			**01/28/25**			**01/29/25**
			Diesel Range Organics	8015D		01/30/25	01/30/25	
			Gasoline Range Organics	8015D			01/29/25	
Q1211-02	**TAPIAL2-MW03-0128 25-00-T3**	**Water**			**01/28/25**			**01/29/25**
			Diesel Range Organics	8015D		01/30/25	01/30/25	
			Gasoline Range Organics	8015D			01/29/25	

QC SUMMARY

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WATER GASOLINE RANGE ORGANICS SURROGATE RECOVERY

Lab Name: Chemtech Client: Weston Solutions

Lab Code: CHEM Case No.: Q1211 SAS No.: Q1211 SDG No.: Q1211

EPA SAMPLE NO.	S1 AAA-TFT	S2	S3	S4	TOT OUT
VBF0129W1	105				0
BSF0129W1	97				0
TAPHHA-MW01-012825-00-T4	108				0
TAPIAL2-MW03-012825-00-T3	95				0
BSF0129W2	99				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:** Q1211 **SAS No :** Q1211 **SDG No:** Q1211

Matrix Spike - EPA Sample No : BSF0129W1 **Datafile:** FB031376.D

COMPOUND	SPIKE ADDED ug/L	CONCENTRATION ug/L	LCS/LCSD CONCENTRATION ug/L	% REC	QC LIMITS
GRO	180	0	178	99	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:** Q1211 **SAS No :** Q1211 **SDG No:** Q1211

Matrix Spike - EPA Sample No : BSF0129W2 **Datafile:** FB031379.D

COMPOUND	SPIKE ADDED ug/L	CONCENTRATION ug/L	LCS/LCSD CONCENTRATION ug/L	% REC	QC LIMITS
GRO	180	0	175	97	50-150

LCS/LCSD % Recovery RPD : 1.7

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METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBF0129W1

Lab Name: CHEMTECH Contract: WEST04

Lab Code: CHEM Case No.: Q1211 SAS No.: Q1211 SDG NO.: Q1211

Lab File ID: FB031375.D Lab Sample ID: VBF0129W1

Date Analyzed: 01/29/25 Time Analyzed: 18:08

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	FB031374.D	01/29/25
BSF0129W1	BSF0129W1	FB031376.D	01/29/25
TAPHHA-MW01-012825-00-T4	Q1211-01	FB031377.D	01/29/25
TAPIAL2-MW03-012825-00-T3	Q1211-02	FB031378.D	01/29/25
BSF0129W2	BSF0129W2	FB031379.D	01/29/25
20 PPB GRO STD	20 PPB GRO STD	FB031380.D	01/29/25

COMMENTS:

SAMPLE DATA

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Report of Analysis

Client:	Weston Solutions	Date Collected:	01/28/25
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	01/29/25
Client Sample ID:	TAPHHA-MW01-012825-00-T4	SDG No.:	Q1211
Lab Sample ID:	Q1211-01	Matrix:	Water
Analytical Method:	8015D GRO	% Solid:	0 Decanted:
Sample Wt/Vol:	5 Units: mL	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031377.D	1	01/29/25 19:01	FB012925

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	21.6		50 - 150		108%	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\FB012925\
Data File : FB031377.D
Signal(s) : FID2B.CH
Acq On : 29 Jan 2025 19:01
Operator : YP/AJ
Sample : Q1211-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TPHHA-MW01-012825-00-T4

Integration File: Calibration.e
Quant Time: Jan 30 00:56:40 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	8.794	516005	21.633 ng/ml
Target Compounds			

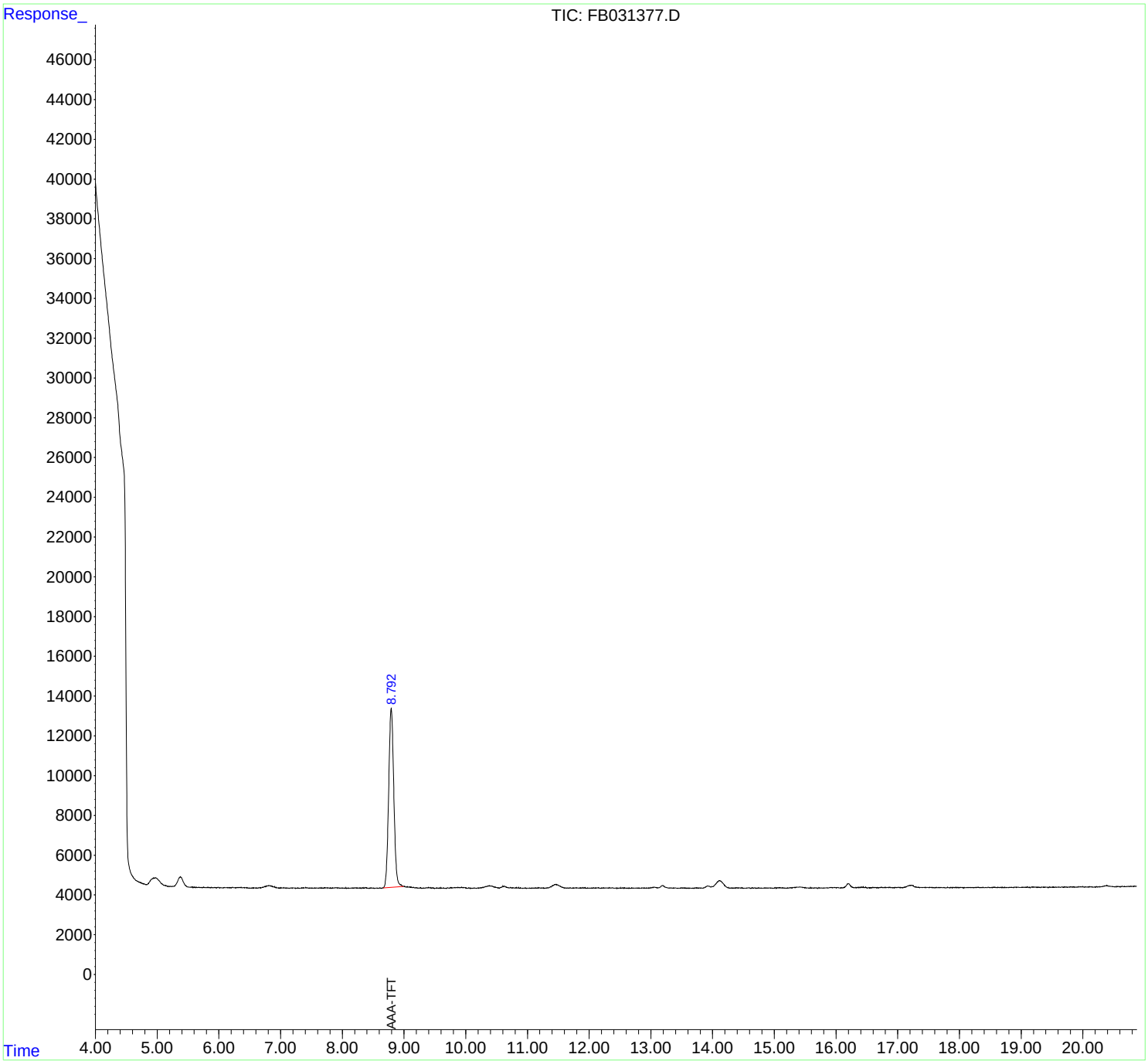
(f)=RT Delta > 1/2 Window (m)=manual int.

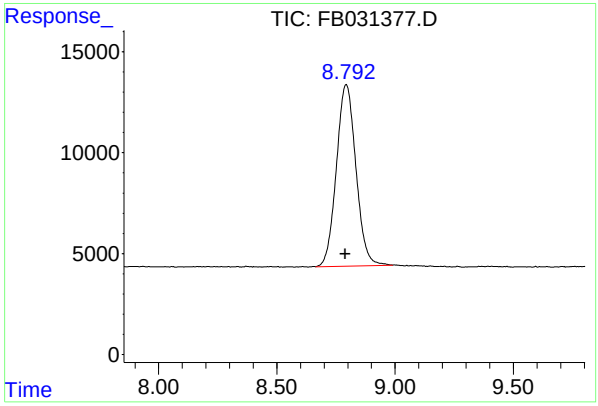
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB012925\
Data File : FB031377.D
Signal(s) : FID2B.CH
Acq On : 29 Jan 2025 19:01
Operator : YP/AJ
Sample : Q1211-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TPHHA-MW01-012825-00-T4

Integration File: Calibration.e
Quant Time: Jan 30 00:56:40 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.: 8.794 min
Delta R.T.: 0.004 mi
Response: 516005
Conc: 21.63 ng/m

Instrument :
FID_B
ClientSampleId :
TPHHA-MW01-012825-00-T4

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB012925\
Data File : FB031377.D
Signal(s) : FID2B.CH
Acq On : 29 Jan 2025 19:01
Sample : Q1211-01
Misc :
ALS Vial : 23 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	5.192	5.182	5.208	PV	19	184	0.03%	0.025%
2	5.221	5.208	5.239	PV	28	278	0.05%	0.037%
3	5.253	5.239	5.262	VV	31	274	0.05%	0.037%
4	5.565	5.548	5.603	VV	28	401	0.08%	0.054%
5	5.608	5.603	5.620	VV	28	117	0.02%	0.016%
6	5.636	5.620	5.648	PV	15	100	0.02%	0.014%
7	5.679	5.648	5.741	PV	19	488	0.09%	0.066%
8	5.755	5.741	5.772	VV	36	322	0.06%	0.043%
9	5.781	5.772	5.794	VV	13	109	0.02%	0.015%
10	5.810	5.794	5.819	PV	23	143	0.03%	0.019%
11	5.831	5.819	5.841	VV	29	182	0.03%	0.025%
12	5.848	5.841	5.862	VV	13	81	0.02%	0.011%
13	5.887	5.862	5.906	PV	19	240	0.05%	0.032%
14	5.924	5.906	5.932	VV	13	129	0.02%	0.017%
15	5.943	5.932	5.955	VV	17	162	0.03%	0.022%
16	5.988	5.955	6.020	VV	27	414	0.08%	0.056%
17	6.030	6.020	6.061	VV	13	180	0.03%	0.024%
18	6.071	6.061	6.118	PV	9	325	0.06%	0.044%
19	6.136	6.118	6.157	VV	24	305	0.06%	0.041%
20	6.168	6.157	6.205	VV	26	388	0.07%	0.052%
21	6.223	6.205	6.252	VV	37	621	0.12%	0.084%
22	6.259	6.252	6.272	VV	20	189	0.04%	0.025%
23	6.293	6.272	6.306	VV	30	366	0.07%	0.049%
24	6.317	6.306	6.341	VV	34	486	0.09%	0.065%
25	6.362	6.341	6.373	VV	44	502	0.09%	0.068%
26	6.391	6.373	6.411	VV	25	440	0.08%	0.059%
27	6.419	6.411	6.427	VV	28	213	0.04%	0.029%
28	6.440	6.427	6.449	VV	26	269	0.05%	0.036%
29	6.459	6.449	6.485	VV	30	273	0.05%	0.037%
30	6.560	6.485	6.577	PV	22	417	0.08%	0.056%
31	6.585	6.577	6.594	VV	13	100	0.02%	0.013%
32	6.601	6.594	6.636	VV	11	195	0.04%	0.026%
33	6.642	6.636	6.647	VV	18	86	0.02%	0.012%
34	6.935	6.925	6.989	VV	36	778	0.15%	0.105%
35	7.020	6.989	7.030	VV	24	449	0.08%	0.060%
36	7.047	7.030	7.076	VV	27	534	0.10%	0.072%

rteres

37	7.094	7.076	7.115	VV	24	398	0.08%	0.054%
38	7.122	7.115	7.143	VV	17	148	0.03%	0.020%
39	7.162	7.143	7.173	PV	24	225	0.04%	0.030%
40	7.182	7.173	7.190	VV	22	175	0.03%	0.024%
41	7.206	7.190	7.229	VV	22	397	0.08%	0.053%
42	7.240	7.229	7.249	VV	21	136	0.03%	0.018%
43	7.256	7.249	7.264	VV	10	67	0.01%	0.009%
44	7.274	7.264	7.284	VV	13	113	0.02%	0.015%
45	7.290	7.284	7.302	VV	16	110	0.02%	0.015%
46	7.350	7.302	7.368	PV	29	580	0.11%	0.078%
47	7.377	7.368	7.398	VV	30	445	0.08%	0.060%
48	7.408	7.398	7.421	VV	39	395	0.07%	0.053%
49	7.429	7.421	7.439	VV	35	287	0.05%	0.039%
50	7.449	7.439	7.462	VV	23	237	0.04%	0.032%
51	7.472	7.462	7.494	VV	24	351	0.07%	0.047%
52	7.507	7.494	7.540	VV	23	372	0.07%	0.050%
53	7.553	7.540	7.564	VV	30	247	0.05%	0.033%
54	7.572	7.564	7.577	VV	22	118	0.02%	0.016%
55	7.587	7.577	7.609	VV	23	332	0.06%	0.045%
56	7.620	7.609	7.627	VV	24	184	0.03%	0.025%
57	7.638	7.627	7.647	VV	30	267	0.05%	0.036%
58	7.666	7.647	7.679	VV	34	376	0.07%	0.051%
59	7.689	7.679	7.705	VV	20	284	0.05%	0.038%
60	7.725	7.705	7.746	VV	37	685	0.13%	0.092%
61	7.754	7.746	7.777	VV	38	542	0.10%	0.073%
62	7.785	7.777	7.819	VV	28	475	0.09%	0.064%
63	7.858	7.819	7.869	PV	29	608	0.12%	0.082%
64	7.885	7.869	7.893	VV	41	453	0.09%	0.061%
65	7.902	7.893	7.920	VV	40	542	0.10%	0.073%
66	7.935	7.920	7.952	VV	43	555	0.10%	0.075%
67	7.960	7.952	7.979	VV	27	301	0.06%	0.041%
68	8.007	7.979	8.017	VV	23	445	0.08%	0.060%
69	8.028	8.017	8.047	VV	27	343	0.06%	0.046%
70	8.056	8.047	8.073	VV	30	268	0.05%	0.036%
71	8.100	8.073	8.119	VV	21	388	0.07%	0.052%
72	8.165	8.119	8.184	VV	30	823	0.16%	0.111%
73	8.192	8.184	8.198	VV	27	187	0.04%	0.025%
74	8.212	8.198	8.225	VV	34	424	0.08%	0.057%
75	8.235	8.225	8.259	VV	34	429	0.08%	0.058%
76	8.267	8.259	8.285	VV	28	320	0.06%	0.043%
77	8.296	8.285	8.315	VV	31	373	0.07%	0.050%
78	8.334	8.315	8.350	VV	30	425	0.08%	0.057%
79	8.371	8.350	8.423	VV	48	1078	0.20%	0.145%
80	8.476	8.423	8.497	VV	39	913	0.17%	0.123%
81	8.506	8.497	8.526	VV	29	265	0.05%	0.036%
82	8.563	8.526	8.576	VV	22	407	0.08%	0.055%
83	8.586	8.576	8.595	VV	16	132	0.03%	0.018%
84	8.609	8.595	8.633	VV	30	397	0.08%	0.053%
85	8.656	8.633	8.664	VV	37	430	0.08%	0.058%
86	8.793	8.664	8.991	VV	9062	528353	100.00%	71.139%
87	8.998	8.991	9.043	VV	117	2954	0.56%	0.398%
88	9.050	9.043	9.077	VV	96	1468	0.28%	0.198%
89	9.089	9.077	9.138	VV	78	2344	0.44%	0.316%

rteres

90	9.150	9.138	9.174	VV	60	1013	0.19%	0.136%
91	9.209	9.174	9.224	VV	43	992	0.19%	0.134%
92	9.231	9.224	9.253	VV	28	328	0.06%	0.044%
93	9.265	9.253	9.293	VV	51	526	0.10%	0.071%
94	9.314	9.293	9.341	VV	25	485	0.09%	0.065%
95	9.354	9.341	9.380	VV	42	705	0.13%	0.095%
96	9.392	9.380	9.402	VV	47	499	0.09%	0.067%
97	9.411	9.402	9.453	VV	48	987	0.19%	0.133%
98	9.474	9.453	9.499	VV	42	578	0.11%	0.078%
99	9.536	9.499	9.544	VV	22	428	0.08%	0.058%
100	9.551	9.544	9.559	VV	19	137	0.03%	0.018%
101	9.569	9.559	9.581	VV	22	161	0.03%	0.022%
102	9.595	9.581	9.604	VV	51	295	0.06%	0.040%
103	9.611	9.604	9.631	VV	30	303	0.06%	0.041%
104	9.642	9.631	9.666	VV	38	359	0.07%	0.048%
105	9.679	9.666	9.691	PV	17	172	0.03%	0.023%
106	9.708	9.691	9.724	VV	42	504	0.10%	0.068%
107	9.760	9.724	9.792	VV	45	1167	0.22%	0.157%
108	9.818	9.792	9.827	VV	47	771	0.15%	0.104%
109	9.843	9.827	9.858	VV	50	714	0.14%	0.096%
110	9.895	9.858	9.913	VV	56	1417	0.27%	0.191%
111	9.929	9.913	9.938	VV	61	740	0.14%	0.100%
112	9.942	9.938	9.961	VV	51	611	0.12%	0.082%
113	9.973	9.961	10.021	VV	55	1283	0.24%	0.173%
114	10.055	10.021	10.068	VV	30	522	0.10%	0.070%
115	10.073	10.068	10.084	VV	23	147	0.03%	0.020%
116	10.101	10.084	10.112	VV	21	239	0.05%	0.032%
117	10.144	10.112	10.173	VV	27	650	0.12%	0.088%
118	10.201	10.173	10.221	VV	30	584	0.11%	0.079%
119	10.254	10.221	10.261	VV	44	787	0.15%	0.106%
120	10.274	10.261	10.282	VV	61	589	0.11%	0.079%
121	10.378	10.282	10.485	VV	140	12115	2.29%	1.631%
122	10.491	10.485	10.541	VV	57	1385	0.26%	0.187%
123	10.567	10.541	10.573	VV	51	723	0.14%	0.097%
124	10.633	10.573	10.672	VV	116	4957	0.94%	0.667%
125	10.676	10.672	10.694	VV	57	597	0.11%	0.080%
126	10.702	10.694	10.712	VV	38	374	0.07%	0.050%
127	10.729	10.712	10.755	VV	41	788	0.15%	0.106%
128	10.769	10.755	10.783	VV	43	508	0.10%	0.068%
129	10.822	10.783	10.835	VV	50	926	0.18%	0.125%
130	10.847	10.835	10.853	VV	30	293	0.06%	0.039%
131	10.860	10.853	10.873	VV	36	278	0.05%	0.037%
132	10.889	10.873	10.900	VV	25	307	0.06%	0.041%
133	10.917	10.900	10.928	VV	18	234	0.04%	0.032%
134	10.959	10.928	10.978	VV	30	481	0.09%	0.065%
135	10.991	10.978	11.012	VV	22	334	0.06%	0.045%
136	11.035	11.012	11.054	VV	25	374	0.07%	0.050%
137	11.076	11.054	11.116	VV	27	661	0.13%	0.089%
138	11.134	11.116	11.173	VV	34	741	0.14%	0.100%
139	11.189	11.173	11.217	VV	40	717	0.14%	0.097%
140	11.236	11.217	11.248	VV	28	425	0.08%	0.057%
141	11.253	11.248	11.273	VV	34	310	0.06%	0.042%

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142	11.282	11.273	11.294	VV	24	200	0.04%	0.027%
143	11.307	11.294	11.314	VV	30	223	0.04%	0.030%
144	11.467	11.314	11.565	VV	218	18123	3.43%	2.440%
145	11.573	11.565	11.635	VV	61	1393	0.26%	0.188%
146	11.653	11.635	11.666	VV	30	419	0.08%	0.056%
147	11.697	11.666	11.715	VV	36	720	0.14%	0.097%
148	11.784	11.715	11.826	VV	42	1543	0.29%	0.208%
149	11.844	11.826	11.860	VV	33	482	0.09%	0.065%
150	11.868	11.860	11.876	VV	28	216	0.04%	0.029%
151	11.897	11.876	11.920	VV	34	688	0.13%	0.093%
152	11.930	11.920	11.939	VV	44	344	0.07%	0.046%
153	11.945	11.939	11.965	VV	25	244	0.05%	0.033%
154	11.974	11.965	11.985	VV	22	200	0.04%	0.027%
155	11.999	11.985	12.024	VV	26	411	0.08%	0.055%
156	12.040	12.024	12.049	VV	30	333	0.06%	0.045%
157	12.056	12.049	12.064	VV	24	185	0.03%	0.025%
158	12.076	12.064	12.087	VV	36	327	0.06%	0.044%
159	12.125	12.087	12.136	VV	32	687	0.13%	0.093%
160	12.155	12.136	12.171	VV	39	574	0.11%	0.077%
161	12.179	12.171	12.188	VV	18	140	0.03%	0.019%
162	12.206	12.188	12.219	VV	25	369	0.07%	0.050%
163	12.235	12.219	12.245	VV	35	380	0.07%	0.051%
164	12.258	12.245	12.270	VV	34	374	0.07%	0.050%
165	12.292	12.270	12.315	VV	29	603	0.11%	0.081%
166	12.332	12.315	12.357	VV	36	702	0.13%	0.095%
167	12.380	12.357	12.400	VV	42	664	0.13%	0.089%
168	12.419	12.400	12.427	VV	19	248	0.05%	0.033%
169	12.436	12.427	12.452	VV	27	241	0.05%	0.032%
170	12.462	12.452	12.477	VV	20	221	0.04%	0.030%
171	12.491	12.477	12.525	VV	28	537	0.10%	0.072%
172	12.553	12.525	12.562	VV	38	541	0.10%	0.073%
173	12.582	12.562	12.601	VV	31	443	0.08%	0.060%
174	12.610	12.601	12.628	VV	28	313	0.06%	0.042%
175	12.636	12.628	12.645	VV	23	182	0.03%	0.024%
176	12.649	12.645	12.668	VV	31	177	0.03%	0.024%
177	12.699	12.668	12.710	VV	28	413	0.08%	0.056%
178	12.721	12.710	12.729	VV	27	219	0.04%	0.029%
179	12.761	12.729	12.774	VV	22	502	0.10%	0.068%
180	12.782	12.774	12.788	VV	24	165	0.03%	0.022%
181	12.804	12.788	12.818	VV	25	328	0.06%	0.044%
182	12.869	12.818	12.937	VV	28	1407	0.27%	0.189%
183	12.949	12.937	12.983	VV	31	643	0.12%	0.087%
184	13.004	12.983	13.013	VV	44	585	0.11%	0.079%
185	13.060	13.013	13.118	VV	72	3105	0.59%	0.418%
186	13.194	13.118	13.292	VV	150	7858	1.49%	1.058%
187	13.304	13.292	13.324	VV	33	485	0.09%	0.065%
188	13.333	13.324	13.355	VV	26	370	0.07%	0.050%
189	13.402	13.355	13.416	VV	30	756	0.14%	0.102%
190	13.430	13.416	13.445	PV	17	200	0.04%	0.027%
191	13.456	13.445	13.473	VV	19	240	0.05%	0.032%
192	13.499	13.473	13.513	VV	26	508	0.10%	0.068%
193	13.525	13.513	13.539	VV	28	378	0.07%	0.051%
194	13.547	13.539	13.588	VV	23	555	0.11%	0.075%

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195	13.601	13.588	13.625	VV	24	339	0.06%	0.046%
196	13.631	13.625	13.670	VV	24	457	0.09%	0.061%
197	13.683	13.670	13.703	VV	24	222	0.04%	0.030%
198	13.722	13.703	13.735	VV	39	407	0.08%	0.055%
199	13.745	13.735	13.758	VV	37	343	0.06%	0.046%
200	13.796	13.758	13.808	VV	29	651	0.12%	0.088%
201	13.820	13.808	13.832	VV	26	278	0.05%	0.037%
202	13.922	13.832	13.973	VV	130	6501	1.23%	0.875%
203	14.107	13.973	14.286	VV	404	36207	6.85%	4.875%
204	14.340	14.286	14.349	VV	31	845	0.16%	0.114%
205	14.400	14.349	14.413	VV	37	1035	0.20%	0.139%
206	14.429	14.413	14.460	VV	33	790	0.15%	0.106%
207	14.476	14.460	14.486	VV	34	393	0.07%	0.053%
208	14.490	14.486	14.505	VV	23	196	0.04%	0.026%
209	14.517	14.505	14.536	VV	18	285	0.05%	0.038%
210	14.592	14.536	14.623	VV	37	1125	0.21%	0.151%
211	14.650	14.623	14.662	VV	40	498	0.09%	0.067%
212	14.688	14.662	14.706	VV	35	508	0.10%	0.068%
213	14.769	14.706	14.804	PV	24	1006	0.19%	0.135%
214	14.853	14.804	14.892	VV	29	1129	0.21%	0.152%
215	14.926	14.892	14.950	VV	29	720	0.14%	0.097%
216	14.961	14.950	14.980	VV	29	298	0.06%	0.040%
217	15.009	14.980	15.036	VV	33	667	0.13%	0.090%
218	15.086	15.036	15.124	VV	39	1466	0.28%	0.197%
219	15.139	15.124	15.196	VV	29	886	0.17%	0.119%
220	15.211	15.196	15.225	PV	22	242	0.05%	0.033%
221	15.323	15.225	15.337	VV	54	2114	0.40%	0.285%
222	15.419	15.337	15.579	VV	66	6003	1.14%	0.808%
223	15.588	15.579	15.609	VV	24	291	0.06%	0.039%
224	15.618	15.609	15.633	VV	22	197	0.04%	0.027%
225	15.659	15.633	15.708	PV	26	573	0.11%	0.077%
226	15.729	15.708	15.748	PV	26	336	0.06%	0.045%
227	15.762	15.748	15.801	VV	17	317	0.06%	0.043%
228	15.854	15.801	15.869	VV	23	429	0.08%	0.058%
229	15.907	15.869	15.948	VV	35	951	0.18%	0.128%
230	15.971	15.948	16.007	VV	28	766	0.15%	0.103%
231	16.032	16.007	16.057	VV	27	421	0.08%	0.057%
232	16.204	16.057	16.329	VV	215	10127	1.92%	1.363%
			Sum of corrected areas:			742708		

FB011525.M Thu Jan 30 01:25:43 2025

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

Report of Analysis

Client:	Weston Solutions	Date Collected:	01/28/25
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	01/29/25
Client Sample ID:	TAPIAL2-MW03-012825-00-T3	SDG No.:	Q1211
Lab Sample ID:	Q1211-02	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
FB031378.D	1	01/29/25 19:28	FB012925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
GRO	GRO	10.0	J	6.00	9.00	45.0	ug/L
SURROGATES							
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	18.9		50 - 150		95%	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\FB012925\
Data File : FB031378.D
Signal(s) : FID2B.CH
Acq On : 29 Jan 2025 19:28
Operator : YP/AJ
Sample : Q1211-02
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TAPIAL2-MW03-012825-00-T3

Integration File: Calibration.e
Quant Time: Jan 30 00:56:47 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	451977	18.949 ng/ml
	Target Compounds			

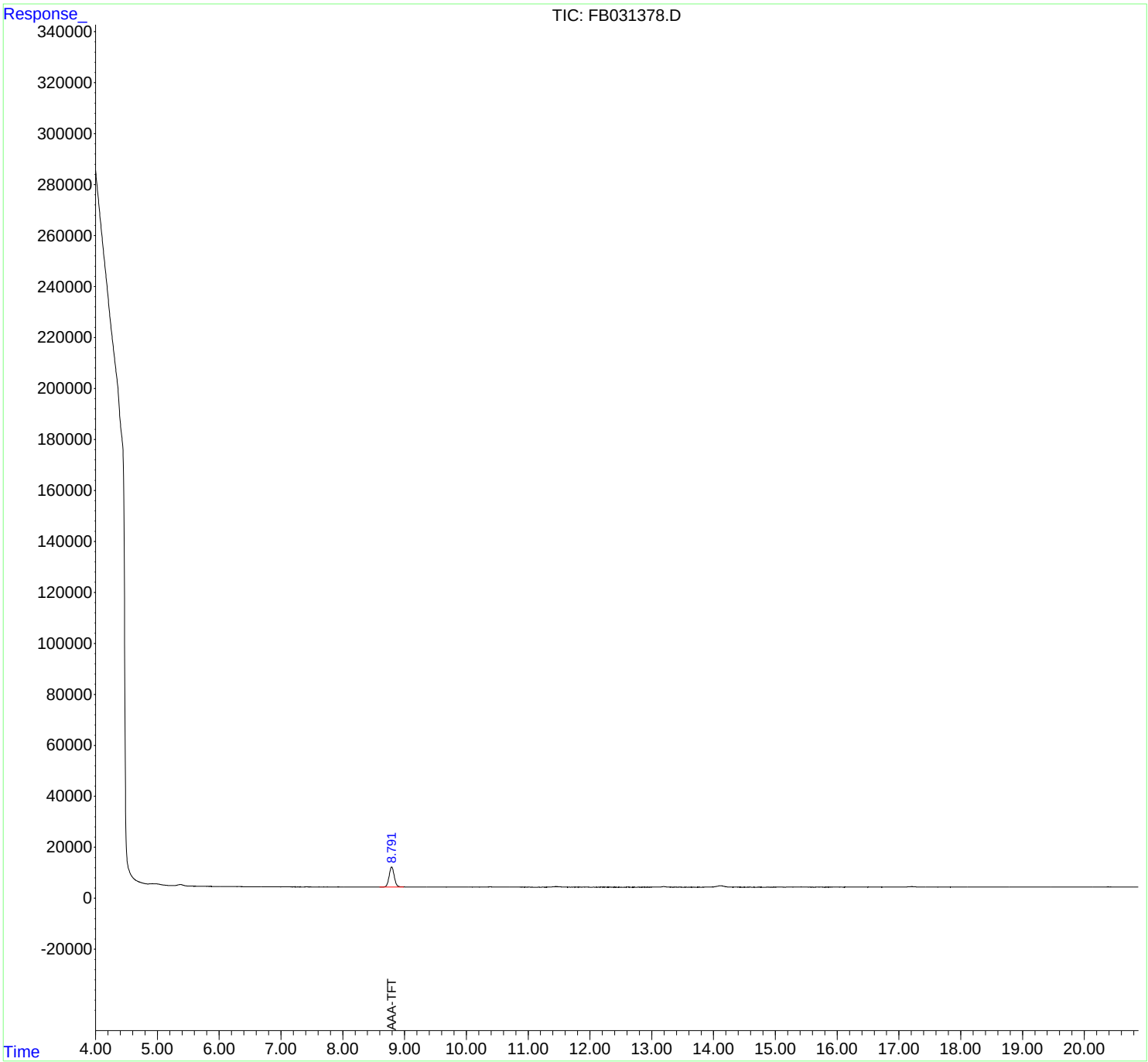
(f)=RT Delta > 1/2 Window (m)=manual int.

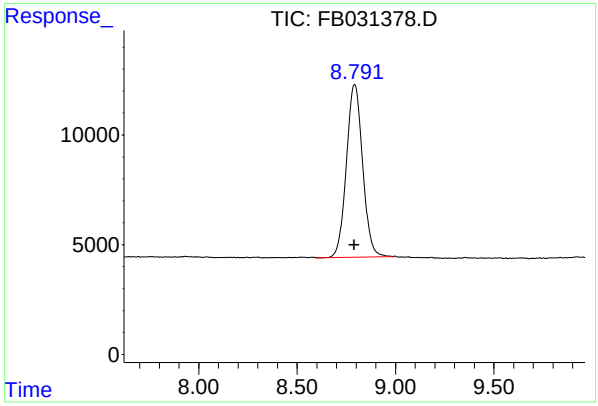
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB012925\
Data File : FB031378.D
Signal(s) : FID2B.CH
Acq On : 29 Jan 2025 19:28
Operator : YP/AJ
Sample : Q1211-02
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TAPIAL2-MW03-012825-00-T3

Integration File: Calibration.e
Quant Time: Jan 30 00:56:47 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.: 8.792 min
Delta R.T.: 0.002 mi
Response: 451977
Conc: 18.95 ng/m

Instrument :
FID_B
ClientSampleId :
TAPIAL2-MW03-012825-00-T3

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB012925\
Data File : FB031378.D
Signal(s) : FID2B.CH
Acq On : 29 Jan 2025 19:28
Sample : Q1211-02
Misc :
ALS Vial : 24 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	5.228	5.219	5.275	PV	23	181	0.04%	0.022%
2	5.574	5.564	5.668	PV	20	910	0.20%	0.111%
3	5.677	5.668	5.717	VV	30	546	0.12%	0.067%
4	5.723	5.717	5.755	VV	28	438	0.10%	0.054%
5	5.763	5.755	5.768	VV	26	187	0.04%	0.023%
6	5.774	5.768	5.801	VV	35	428	0.09%	0.052%
7	5.813	5.801	5.841	PV	33	555	0.12%	0.068%
8	5.850	5.841	5.862	VV	29	320	0.07%	0.039%
9	5.865	5.862	5.902	VV	34	522	0.11%	0.064%
10	5.909	5.902	5.916	VV	16	82	0.02%	0.010%
11	5.921	5.916	5.937	VV	18	77	0.02%	0.009%
12	5.944	5.937	5.990	PV	28	520	0.11%	0.064%
13	6.008	5.990	6.046	VV	20	462	0.10%	0.057%
14	6.054	6.046	6.069	VV	19	199	0.04%	0.024%
15	6.102	6.069	6.135	VV	30	841	0.18%	0.103%
16	6.144	6.135	6.150	VV	29	201	0.04%	0.025%
17	6.170	6.150	6.180	VV	49	650	0.14%	0.080%
18	6.190	6.180	6.213	VV	43	752	0.16%	0.092%
19	6.218	6.213	6.288	VV	41	1168	0.25%	0.143%
20	6.315	6.288	6.325	VV	43	717	0.16%	0.088%
21	6.336	6.325	6.365	VV	44	864	0.19%	0.106%
22	6.373	6.365	6.393	VV	41	511	0.11%	0.063%
23	6.402	6.393	6.442	VV	33	615	0.13%	0.075%
24	6.453	6.442	6.478	PV	27	391	0.08%	0.048%
25	6.486	6.478	6.527	VV	22	242	0.05%	0.030%
26	6.534	6.527	6.547	PV	22	130	0.03%	0.016%
27	6.555	6.547	6.575	VV	15	91	0.02%	0.011%
28	6.595	6.575	6.618	PV	22	359	0.08%	0.044%
29	6.654	6.618	6.680	VV	34	657	0.14%	0.080%
30	6.697	6.680	6.711	PV	35	304	0.07%	0.037%
31	6.717	6.711	6.724	VV	21	124	0.03%	0.015%
32	6.736	6.724	6.750	VV	41	499	0.11%	0.061%
33	6.775	6.750	6.831	VV	54	1800	0.39%	0.220%
34	6.868	6.831	6.925	VV	42	1457	0.32%	0.178%
35	6.976	6.925	7.008	VV	37	1228	0.27%	0.150%
36	7.019	7.008	7.036	VV	23	253	0.05%	0.031%

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37	7.049	7.036	7.101	VV	41	1048	0.23%	0.128%
38	7.118	7.101	7.126	VV	40	478	0.10%	0.059%
39	7.136	7.126	7.171	VV	40	688	0.15%	0.084%
40	7.180	7.171	7.188	VV	30	203	0.04%	0.025%
41	7.196	7.188	7.248	VV	26	618	0.13%	0.076%
42	7.269	7.248	7.279	PV	24	234	0.05%	0.029%
43	7.289	7.279	7.299	VV	28	232	0.05%	0.028%
44	7.307	7.299	7.318	VV	23	175	0.04%	0.021%
45	7.328	7.318	7.354	VV	17	274	0.06%	0.034%
46	7.424	7.354	7.452	VV	40	1473	0.32%	0.180%
47	7.462	7.452	7.473	VV	34	323	0.07%	0.040%
48	7.486	7.473	7.498	VV	34	324	0.07%	0.040%
49	7.506	7.498	7.515	VV	17	102	0.02%	0.012%
50	7.535	7.515	7.565	VV	16	303	0.07%	0.037%
51	7.580	7.565	7.590	VV	21	233	0.05%	0.029%
52	7.596	7.590	7.604	VV	28	180	0.04%	0.022%
53	7.615	7.604	7.634	VV	32	377	0.08%	0.046%
54	7.651	7.634	7.686	VV	33	734	0.16%	0.090%
55	7.695	7.686	7.704	VV	43	273	0.06%	0.033%
56	7.752	7.704	7.814	VV	39	1565	0.34%	0.192%
57	7.829	7.814	7.863	VV	31	602	0.13%	0.074%
58	7.881	7.863	7.901	VV	34	527	0.11%	0.064%
59	7.927	7.901	7.958	VV	52	1304	0.28%	0.160%
60	7.963	7.958	7.975	VV	39	343	0.07%	0.042%
61	7.984	7.975	8.017	VV	38	674	0.15%	0.082%
62	8.040	8.017	8.083	VV	35	760	0.17%	0.093%
63	8.116	8.083	8.130	PV	14	256	0.06%	0.031%
64	8.140	8.130	8.147	VV	15	104	0.02%	0.013%
65	8.179	8.147	8.188	VV	24	348	0.08%	0.043%
66	8.198	8.188	8.210	VV	23	140	0.03%	0.017%
67	8.250	8.210	8.261	VV	23	382	0.08%	0.047%
68	8.305	8.261	8.334	VV	40	762	0.17%	0.093%
69	8.342	8.334	8.350	PV	14	63	0.01%	0.008%
70	8.386	8.350	8.394	VV	19	256	0.06%	0.031%
71	8.405	8.394	8.426	VV	18	240	0.05%	0.029%
72	8.462	8.426	8.471	VV	25	365	0.08%	0.045%
73	8.490	8.471	8.505	VV	26	398	0.09%	0.049%
74	8.519	8.505	8.526	VV	40	386	0.08%	0.047%
75	8.537	8.526	8.556	VV	36	521	0.11%	0.064%
76	8.578	8.556	8.598	VV	38	627	0.14%	0.077%
77	8.792	8.598	8.987	VV	7912	460522	100.00%	56.373%
78	8.998	8.987	9.022	VV	98	1529	0.33%	0.187%
79	9.029	9.022	9.048	VV	63	909	0.20%	0.111%
80	9.067	9.048	9.092	VV	68	1383	0.30%	0.169%
81	9.118	9.092	9.126	VV	47	804	0.17%	0.098%
82	9.135	9.126	9.168	VV	39	811	0.18%	0.099%
83	9.187	9.168	9.197	VV	57	650	0.14%	0.080%
84	9.202	9.197	9.238	VV	34	423	0.09%	0.052%
85	9.248	9.238	9.264	VV	17	193	0.04%	0.024%
86	9.273	9.264	9.295	VV	19	228	0.05%	0.028%
87	9.323	9.295	9.331	VV	31	355	0.08%	0.043%
88	9.358	9.331	9.376	VV	56	903	0.20%	0.111%
89	9.401	9.376	9.423	VV	36	779	0.17%	0.095%

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90	9.434	9.423	9.447	VV	35	350	0.08%	0.043%
91	9.469	9.447	9.494	VV	32	665	0.14%	0.081%
92	9.520	9.494	9.549	VV	36	860	0.19%	0.105%
93	9.562	9.549	9.573	VV	28	259	0.06%	0.032%
94	9.583	9.573	9.591	VV	18	155	0.03%	0.019%
95	9.631	9.591	9.642	VV	37	825	0.18%	0.101%
96	9.646	9.642	9.678	VV	39	552	0.12%	0.068%
97	9.700	9.678	9.710	PV	27	316	0.07%	0.039%
98	9.734	9.710	9.743	VV	46	571	0.12%	0.070%
99	9.752	9.743	9.763	VV	45	344	0.07%	0.042%
100	9.838	9.763	9.858	VV	63	2386	0.52%	0.292%
101	9.919	9.858	9.941	VV	83	3225	0.70%	0.395%
102	9.954	9.941	10.023	VV	81	2599	0.56%	0.318%
103	10.037	10.023	10.049	VV	47	420	0.09%	0.051%
104	10.085	10.049	10.099	VV	31	618	0.13%	0.076%
105	10.152	10.099	10.181	VV	36	1081	0.23%	0.132%
106	10.188	10.181	10.214	VV	41	453	0.10%	0.055%
107	10.243	10.214	10.260	VV	43	864	0.19%	0.106%
108	10.295	10.260	10.305	VV	80	1588	0.34%	0.194%
109	10.360	10.305	10.369	VV	131	3696	0.80%	0.452%
110	10.386	10.369	10.422	VV	125	3575	0.78%	0.438%
111	10.429	10.422	10.452	VV	87	1396	0.30%	0.171%
112	10.465	10.452	10.488	VV	70	1198	0.26%	0.147%
113	10.496	10.488	10.507	VV	58	569	0.12%	0.070%
114	10.526	10.507	10.536	VV	59	819	0.18%	0.100%
115	10.543	10.536	10.554	VV	51	493	0.11%	0.060%
116	10.629	10.554	10.702	VV	91	5150	1.12%	0.630%
117	10.717	10.702	10.744	VV	48	909	0.20%	0.111%
118	10.756	10.744	10.764	VV	40	408	0.09%	0.050%
119	10.773	10.764	10.786	VV	42	488	0.11%	0.060%
120	10.793	10.786	10.813	VV	45	541	0.12%	0.066%
121	10.823	10.813	10.836	VV	30	353	0.08%	0.043%
122	10.841	10.836	10.848	VV	32	202	0.04%	0.025%
123	10.861	10.848	10.875	VV	35	438	0.10%	0.054%
124	10.895	10.875	10.904	VV	37	463	0.10%	0.057%
125	10.919	10.904	10.933	VV	31	390	0.08%	0.048%
126	10.941	10.933	10.953	VV	29	263	0.06%	0.032%
127	10.960	10.953	10.976	VV	37	376	0.08%	0.046%
128	11.003	10.976	11.017	VV	44	626	0.14%	0.077%
129	11.024	11.017	11.038	VV	37	317	0.07%	0.039%
130	11.052	11.038	11.061	VV	29	236	0.05%	0.029%
131	11.070	11.061	11.092	VV	28	318	0.07%	0.039%
132	11.100	11.092	11.111	VV	13	112	0.02%	0.014%
133	11.122	11.111	11.130	VV	18	161	0.03%	0.020%
134	11.139	11.130	11.158	VV	18	227	0.05%	0.028%
135	11.171	11.158	11.200	VV	30	473	0.10%	0.058%
136	11.235	11.200	11.268	VV	45	952	0.21%	0.116%
137	11.278	11.268	11.287	VV	30	162	0.04%	0.020%
138	11.328	11.287	11.338	PV	51	975	0.21%	0.119%
139	11.445	11.338	11.627	VV	231	21202	4.60%	2.595%
140	11.631	11.627	11.656	VV	34	463	0.10%	0.057%
141	11.666	11.656	11.686	VV	40	517	0.11%	0.063%

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142	11.701	11.686	11.719	VV	35	515	0.11%	0.063%
143	11.749	11.719	11.771	VV	35	847	0.18%	0.104%
144	11.785	11.771	11.818	VV	47	896	0.19%	0.110%
145	11.825	11.818	11.841	VV	39	409	0.09%	0.050%
146	11.849	11.841	11.871	VV	39	482	0.10%	0.059%
147	11.888	11.871	11.918	VV	49	976	0.21%	0.119%
148	11.928	11.918	11.977	VV	39	1100	0.24%	0.135%
149	11.983	11.977	12.002	VV	34	289	0.06%	0.035%
150	12.035	12.002	12.043	VV	23	317	0.07%	0.039%
151	12.060	12.043	12.089	VV	40	683	0.15%	0.084%
152	12.142	12.089	12.156	VV	40	999	0.22%	0.122%
153	12.201	12.156	12.230	VV	49	1331	0.29%	0.163%
154	12.249	12.230	12.264	VV	46	641	0.14%	0.078%
155	12.271	12.264	12.283	VV	42	351	0.08%	0.043%
156	12.341	12.283	12.350	VV	39	1027	0.22%	0.126%
157	12.364	12.350	12.380	VV	40	414	0.09%	0.051%
158	12.389	12.380	12.419	VV	30	512	0.11%	0.063%
159	12.433	12.419	12.452	VV	32	426	0.09%	0.052%
160	12.461	12.452	12.486	VV	31	353	0.08%	0.043%
161	12.507	12.486	12.540	VV	24	547	0.12%	0.067%
162	12.559	12.540	12.569	VV	26	334	0.07%	0.041%
163	12.613	12.569	12.628	VV	50	1070	0.23%	0.131%
164	12.644	12.628	12.675	VV	35	647	0.14%	0.079%
165	12.690	12.675	12.703	VV	29	357	0.08%	0.044%
166	12.726	12.703	12.738	VV	34	515	0.11%	0.063%
167	12.750	12.738	12.765	VV	22	245	0.05%	0.030%
168	12.778	12.765	12.807	VV	35	680	0.15%	0.083%
169	12.815	12.807	12.828	VV	28	294	0.06%	0.036%
170	12.844	12.828	12.868	VV	34	595	0.13%	0.073%
171	12.895	12.868	12.909	VV	45	669	0.15%	0.082%
172	12.919	12.909	12.923	VV	26	181	0.04%	0.022%
173	12.946	12.923	12.955	VV	36	534	0.12%	0.065%
174	12.963	12.955	12.987	VV	33	494	0.11%	0.061%
175	13.047	12.987	13.061	VV	90	2293	0.50%	0.281%
176	13.073	13.061	13.114	VV	84	1946	0.42%	0.238%
177	13.193	13.114	13.306	VV	245	13010	2.83%	1.593%
178	13.317	13.306	13.349	VV	44	737	0.16%	0.090%
179	13.395	13.349	13.419	VV	42	1180	0.26%	0.144%
180	13.436	13.419	13.444	VV	39	421	0.09%	0.052%
181	13.451	13.444	13.505	VV	39	986	0.21%	0.121%
182	13.510	13.505	13.527	VV	22	222	0.05%	0.027%
183	13.564	13.527	13.580	VV	39	781	0.17%	0.096%
184	13.596	13.580	13.614	PV	34	330	0.07%	0.040%
185	13.621	13.614	13.633	VV	32	279	0.06%	0.034%
186	13.649	13.633	13.659	VV	38	348	0.08%	0.043%
187	13.671	13.659	13.684	VV	34	346	0.08%	0.042%
188	13.698	13.684	13.724	VV	34	502	0.11%	0.061%
189	13.780	13.724	13.794	VV	47	1116	0.24%	0.137%
190	13.802	13.794	13.811	VV	25	172	0.04%	0.021%
191	13.828	13.811	13.843	VV	37	456	0.10%	0.056%
192	13.921	13.843	13.935	VV	115	3638	0.79%	0.445%
193	13.943	13.935	13.959	VV	100	1351	0.29%	0.165%
194	13.988	13.959	13.997	VV	127	2398	0.52%	0.294%

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195	14.107	13.997	14.274	VV	570	49787	10.81%	6.094%
196	14.284	14.274	14.311	VV	44	740	0.16%	0.091%
197	14.336	14.311	14.347	VV	42	685	0.15%	0.084%
198	14.359	14.347	14.389	VV	46	980	0.21%	0.120%
199	14.402	14.389	14.421	VV	51	676	0.15%	0.083%
200	14.426	14.421	14.448	VV	33	386	0.08%	0.047%
201	14.459	14.448	14.471	VV	27	257	0.06%	0.031%
202	14.508	14.471	14.538	VV	40	967	0.21%	0.118%
203	14.550	14.538	14.562	VV	38	436	0.09%	0.053%
204	14.574	14.562	14.582	VV	30	339	0.07%	0.041%
205	14.591	14.582	14.624	VV	34	625	0.14%	0.076%
206	14.662	14.624	14.693	VV	32	782	0.17%	0.096%
207	14.716	14.693	14.746	VV	46	734	0.16%	0.090%
208	14.756	14.746	14.808	VV	43	876	0.19%	0.107%
209	14.822	14.808	14.848	PV	24	445	0.10%	0.054%
210	14.863	14.848	14.871	VV	37	422	0.09%	0.052%
211	14.881	14.871	14.894	VV	52	508	0.11%	0.062%
212	14.902	14.894	14.910	VV	47	302	0.07%	0.037%
213	14.929	14.910	14.952	VV	48	924	0.20%	0.113%
214	14.983	14.952	14.998	VV	56	1320	0.29%	0.162%
215	15.058	14.998	15.067	VV	105	3292	0.71%	0.403%
216	15.076	15.067	15.132	VV	109	3213	0.70%	0.393%
217	15.142	15.132	15.154	VV	75	819	0.18%	0.100%
218	15.196	15.154	15.226	VV	94	3512	0.76%	0.430%
219	15.234	15.226	15.244	VV	93	965	0.21%	0.118%
220	15.253	15.244	15.265	VV	103	1238	0.27%	0.152%
221	15.273	15.265	15.285	VV	96	1038	0.23%	0.127%
222	15.380	15.285	15.414	VV	176	10947	2.38%	1.340%
223	15.419	15.414	15.456	VV	190	4187	0.91%	0.512%
224	15.465	15.456	15.515	VV	151	4627	1.00%	0.566%
225	15.525	15.515	15.536	VV	123	1461	0.32%	0.179%
226	15.557	15.536	15.568	VV	132	2251	0.49%	0.276%
227	15.572	15.568	15.584	VV	132	1152	0.25%	0.141%
228	15.597	15.584	15.631	VV	124	3406	0.74%	0.417%
229	15.649	15.631	15.673	VV	149	3357	0.73%	0.411%
230	15.692	15.673	15.712	VV	152	3237	0.70%	0.396%
231	15.724	15.712	15.733	VV	146	1778	0.39%	0.218%
232	15.745	15.733	15.765	VV	147	2767	0.60%	0.339%
233	15.775	15.765	15.786	VV	146	1726	0.37%	0.211%
234	15.814	15.786	15.840	VV	166	4812	1.04%	0.589%
235	15.849	15.840	15.867	VV	166	2516	0.55%	0.308%
236	15.875	15.867	15.879	VV	163	1123	0.24%	0.137%
237	15.885	15.879	15.891	VV	168	1172	0.25%	0.143%
238	15.899	15.891	15.927	VV	176	3526	0.77%	0.432%
239	15.957	15.927	15.972	VV	203	5260	1.14%	0.644%
240	15.984	15.972	16.038	VV	216	7592	1.65%	0.929%
241	16.055	16.038	16.075	VV	199	4110	0.89%	0.503%
242	16.082	16.075	16.097	VV	193	2430	0.53%	0.297%
243	16.143	16.097	16.151	VV	212	6172	1.34%	0.756%
244	16.202	16.151	16.305	VV	280	22346	4.85%	2.735%
245	16.320	16.305	16.344	VV	226	5136	1.12%	0.629%
246	16.360	16.344	16.379	VV	244	4838	1.05%	0.592%

```
                                        rteres
 247 16.394  16.379  16.403  VBA     248      2220   0.48%  0.272%
                       Sum of corrected areas:      816920

FB011525.M Thu Jan 30 01:25:59 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.: Q1211 SAS No.: Q1211 SDG No.: Q1211

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

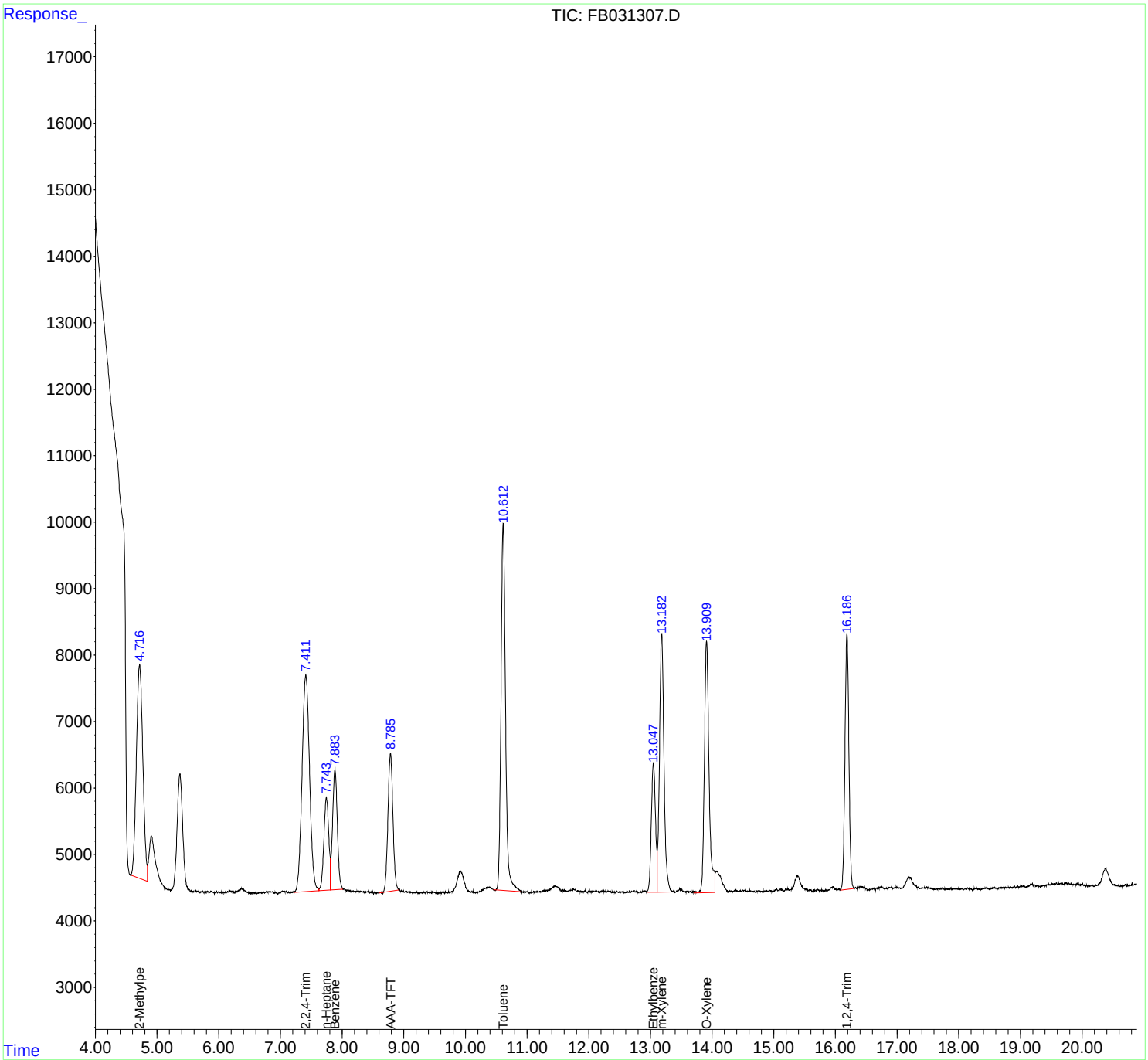
(f)=RT Delta > 1/2 Window (m)=manual int.

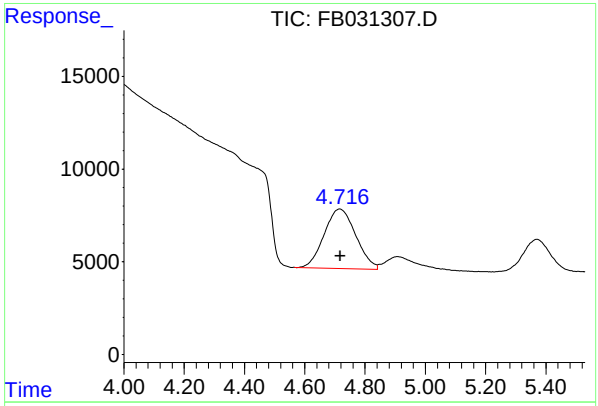
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011525\
Data File : FB031307.D
Signal(s) : FID2B.CH
Acq On : 15 Jan 2025 10:20
Operator : YP/AJ
Sample : 5 GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

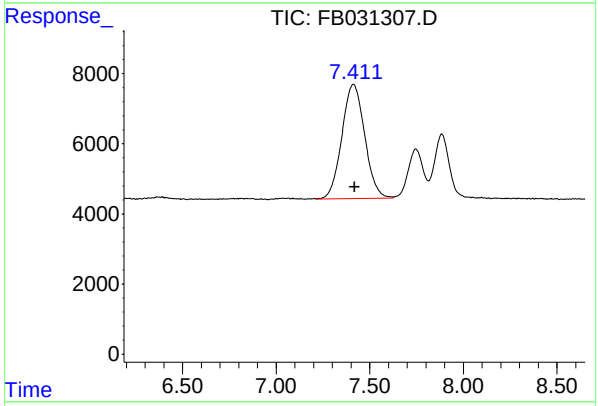




#1 2-Methylpentane

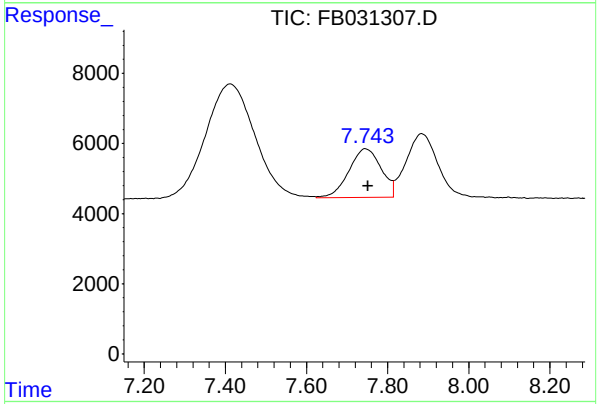
R.T.: 4.718 min
Delta R.T.: 0.000 min
Response: 233598
Conc: 7.65 ng/ml

Instrument :
FID_B
ClientSampleId :
5 GRO STD



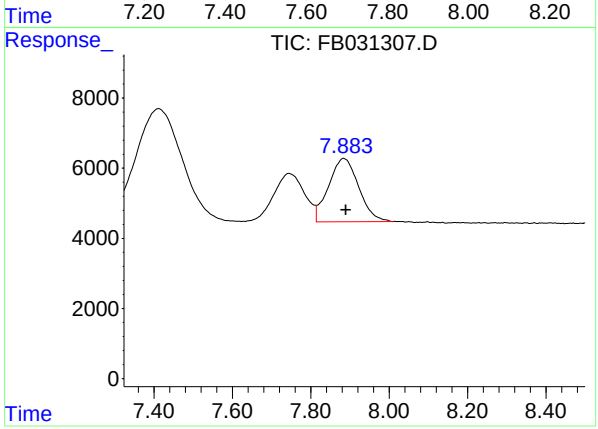
#2 2,2,4-Trimethylpentane

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



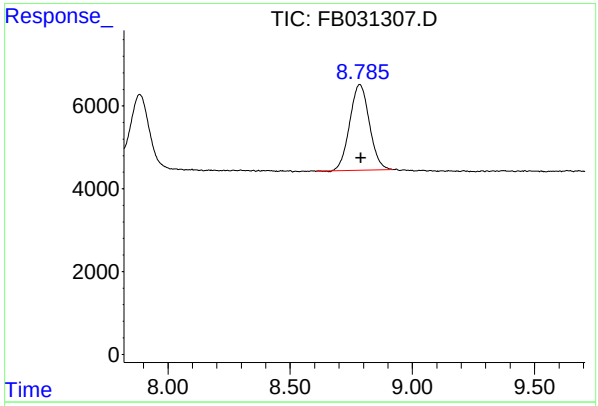
#3 n-Heptane

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



#4 Benzene

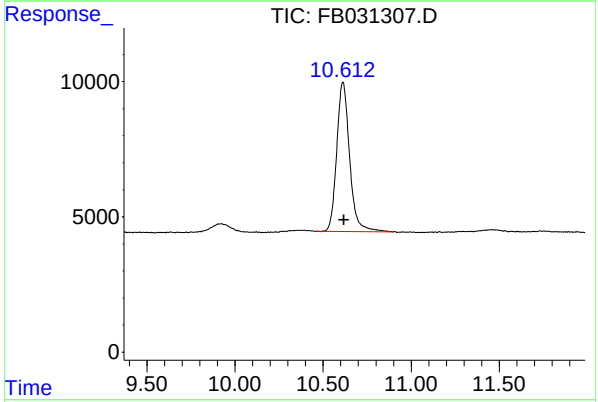
R.T.: 7.885 min
Delta R.T.: -0.005 min
Response: 96940
Conc: 2.46 ng/ml



#5 AAA-TFT

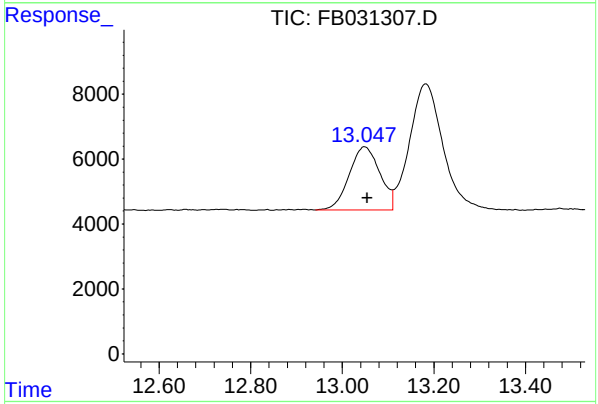
R.T.: 8.786 min
Delta R.T.: -0.003 min
Response: 115906
Conc: 4.68 ng/ml

Instrument :
FID_B
ClientSampleId :
5 GRO STD



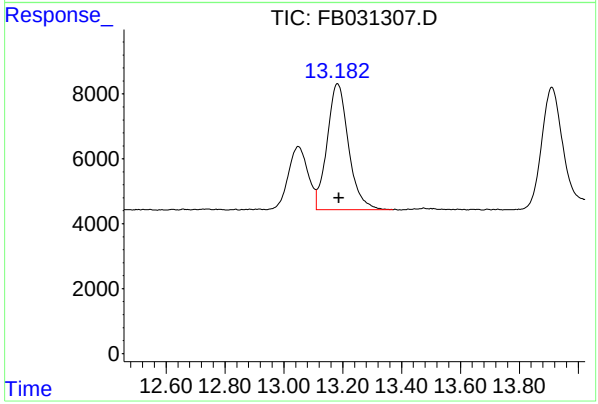
#6 Toluene

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



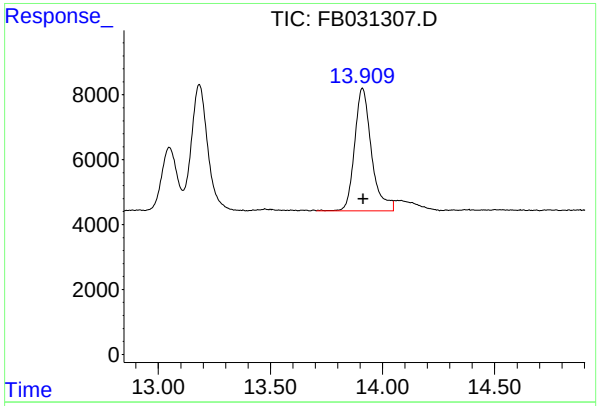
#7 Ethylbenzene

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



#8 m-Xylene

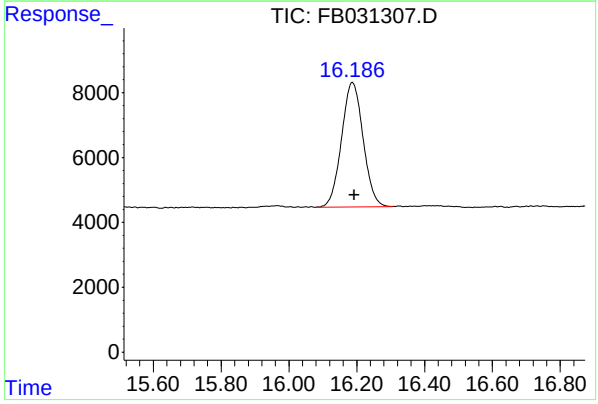
R.T.: 13.183 min
Delta R.T.: -0.005 min
Response: 196650
Conc: 5.78 ng/ml



#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

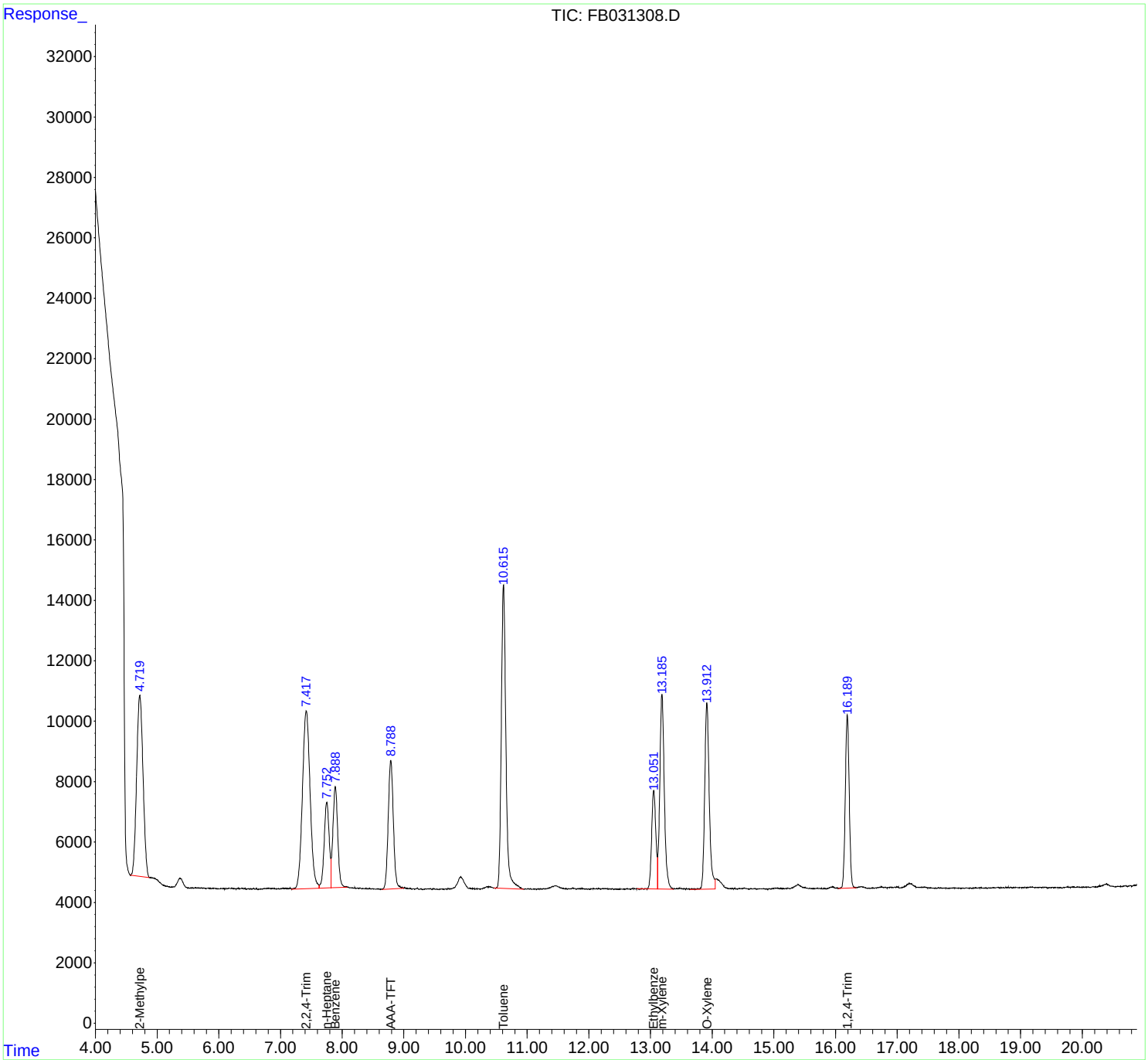
(f)=RT Delta > 1/2 Window (m)=manual int.

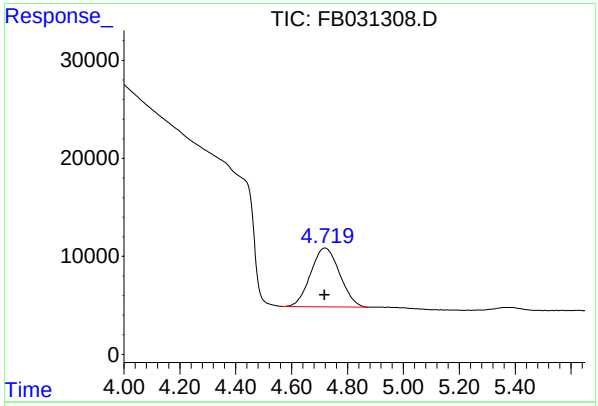
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011525\
Data File : FB031308.D
Signal(s) : FID2B.CH
Acq On : 15 Jan 2025 10:47
Operator : YP/AJ
Sample : 10 GRO STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

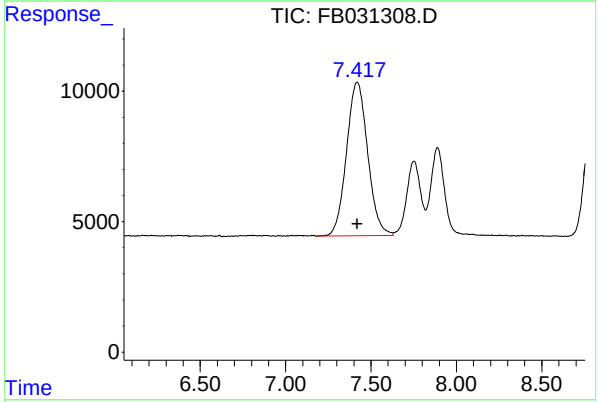




#1 2-Methylpentane

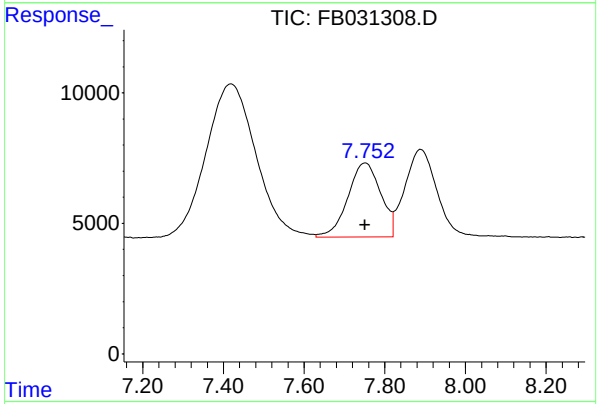
R.T.: 4.720 min
Delta R.T.: 0.002 min
Response: 431842
Conc: 14.01 ng/ml

Instrument :
FID_B
ClientSampleId :
10 GRO STD



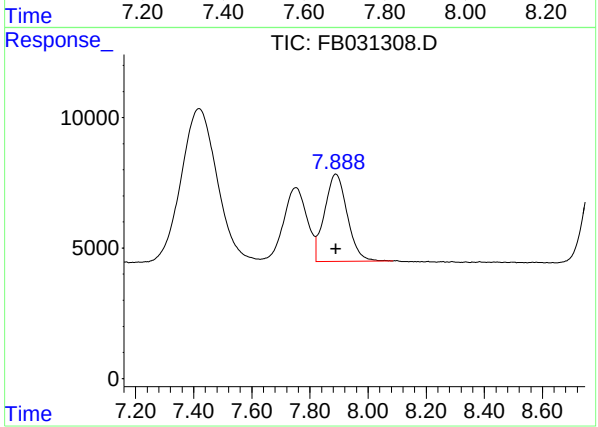
#2 2,2,4-Trimethylpentane

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



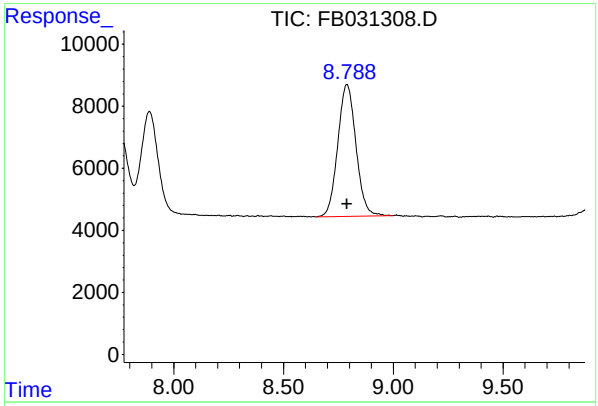
#3 n-Heptane

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



#4 Benzene

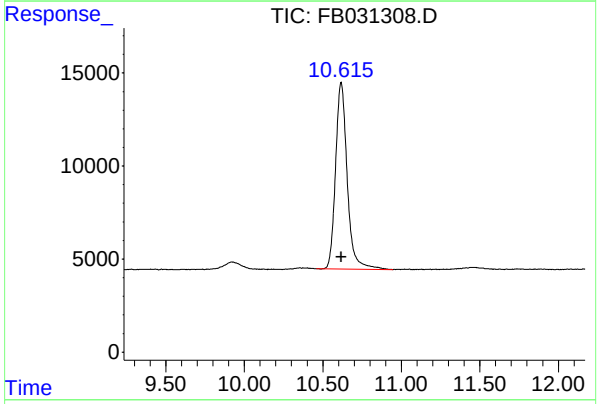
R.T.: 7.890 min
Delta R.T.: 0.000 min
Response: 182595
Conc: 4.67 ng/ml



#5 AAA-TFT

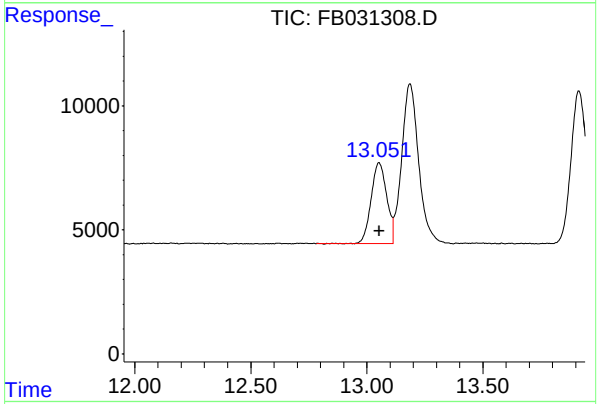
R.T.: 8.789 min
Delta R.T.: 0.000 min
Response: 244936
Conc: 10.22 ng/ml

Instrument :
FID_B
ClientSampleId :
10 GRO STD



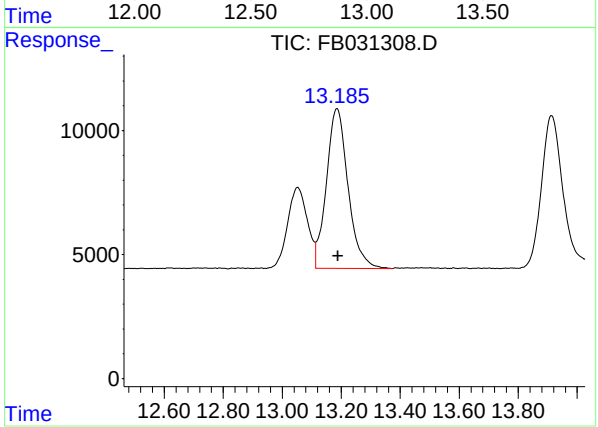
#6 Toluene

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



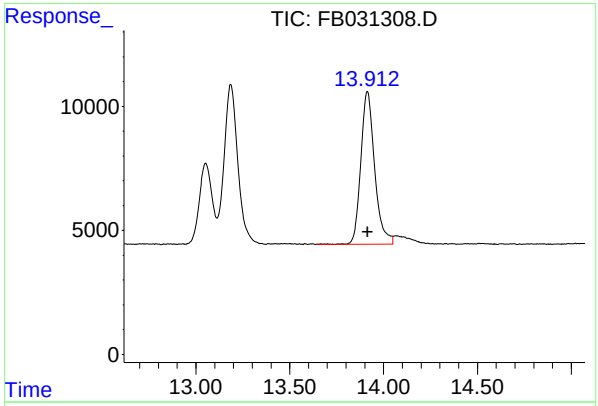
#7 Ethylbenzene

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



#8 m-Xylene

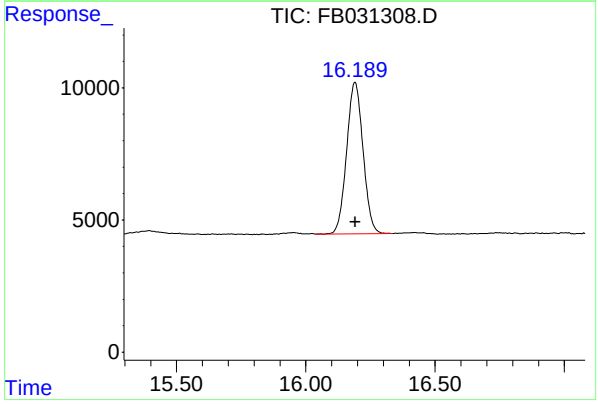
R.T.: 13.186 min
Delta R.T.: -0.002 min
Response: 328529
Conc: 8.96 ng/ml



#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

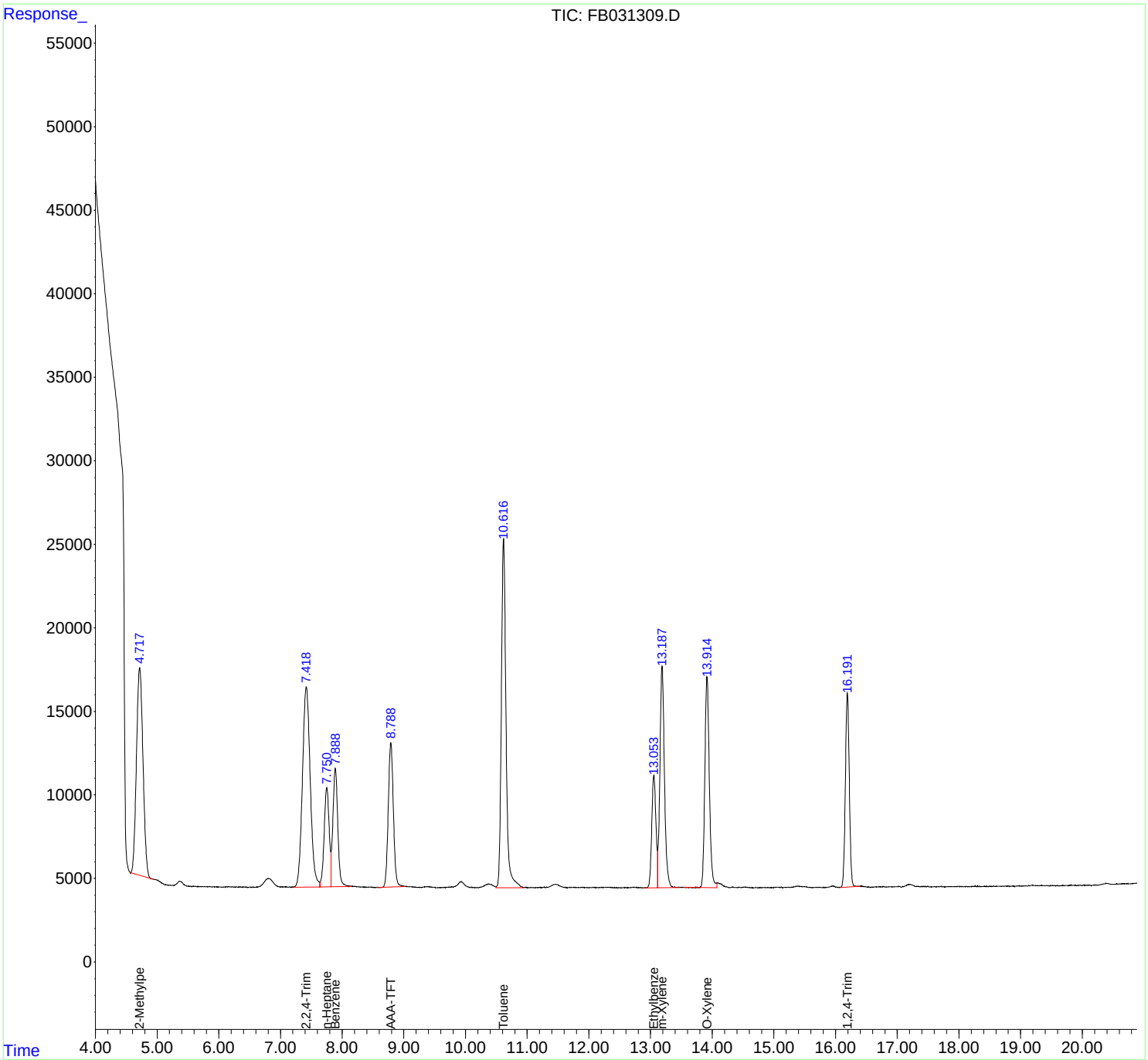
(f)=RT Delta > 1/2 Window (m)=manual int.

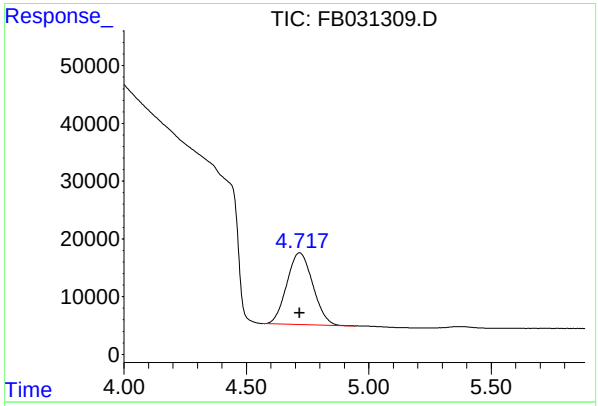
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011525\
Data File : FB031309.D
Signal(s) : FID2B.CH
Acq On : 15 Jan 2025 11:13
Operator : YP/AJ
Sample : 20 GRO STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

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

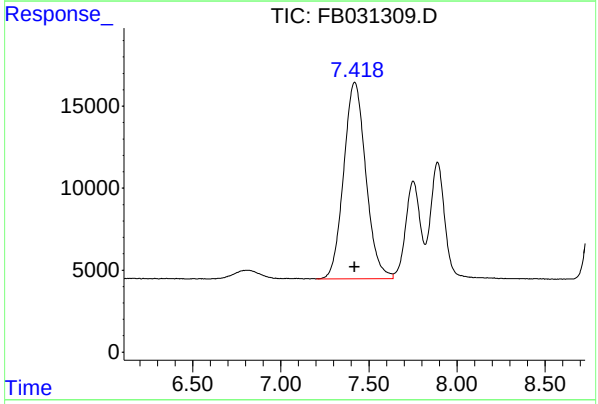




#1 2-Methylpentane

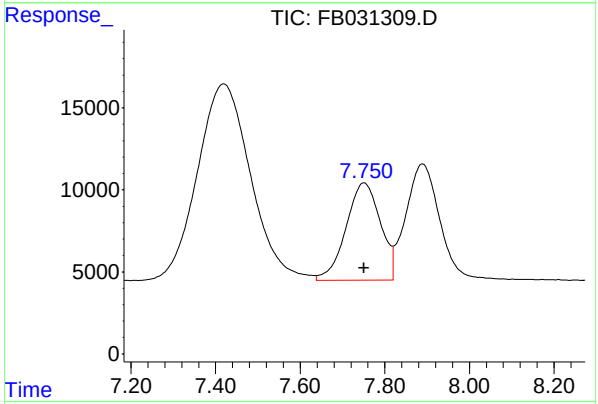
R.T.: 4.718 min
Delta R.T.: 0.000 min
Response: 915530
Conc: 30.00 ng/ml

Instrument :
FID_B
ClientSampleId :
20 GRO STD



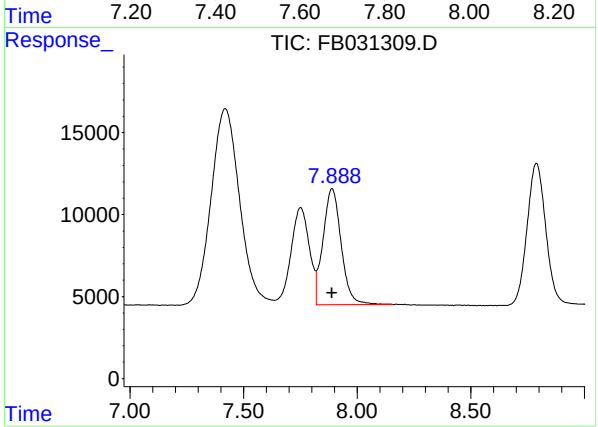
#2 2,2,4-Trimethylpentane

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



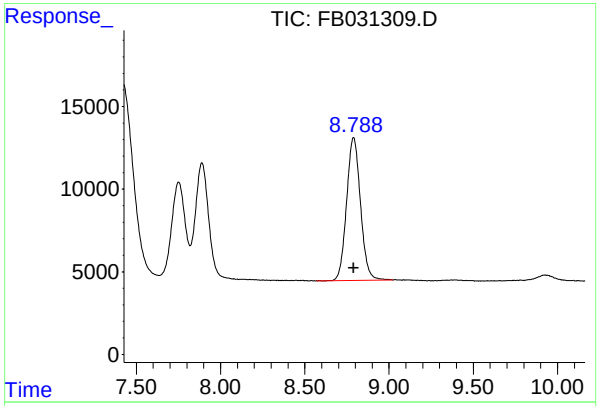
#3 n-Heptane

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



#4 Benzene

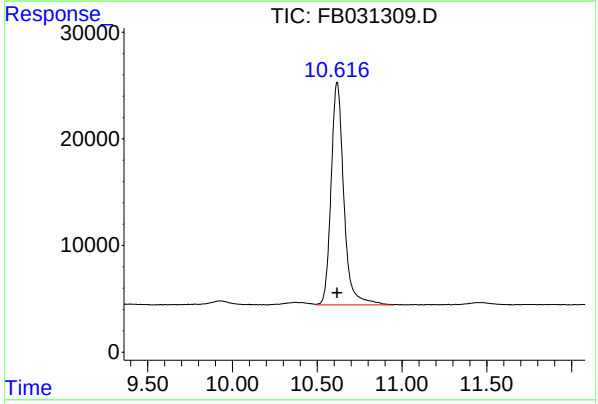
R.T.: 7.890 min
Delta R.T.: 0.000 min
Response: 394556
Conc: 10.00 ng/ml



#5 AAA-TFT

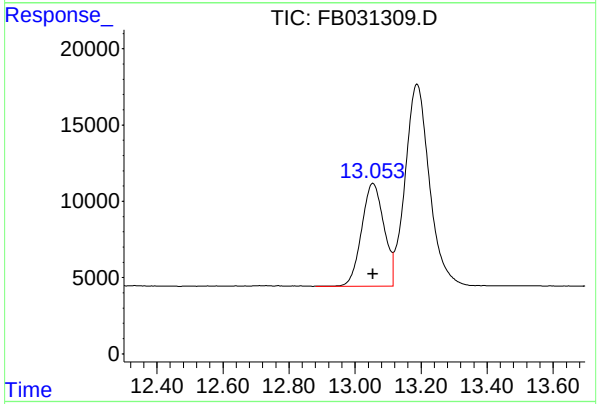
R.T.: 8.790 min
Delta R.T.: 0.000 min
Response: 495333
Conc: 20.00 ng/ml

Instrument :
FID_B
ClientSampleId :
20 GRO STD



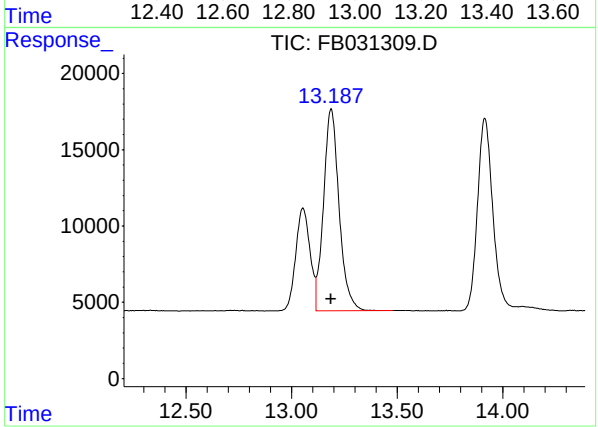
#6 Toluene

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



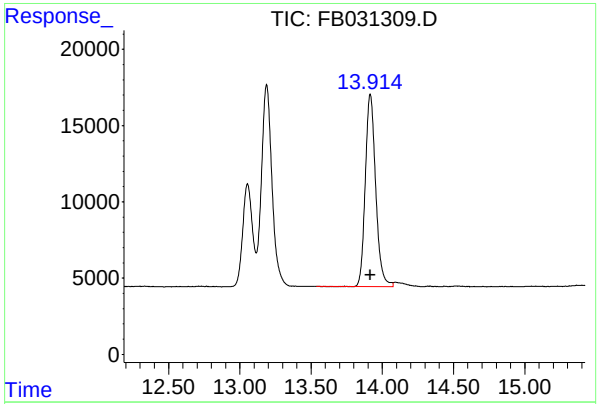
#7 Ethylbenzene

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



#8 m-Xylene

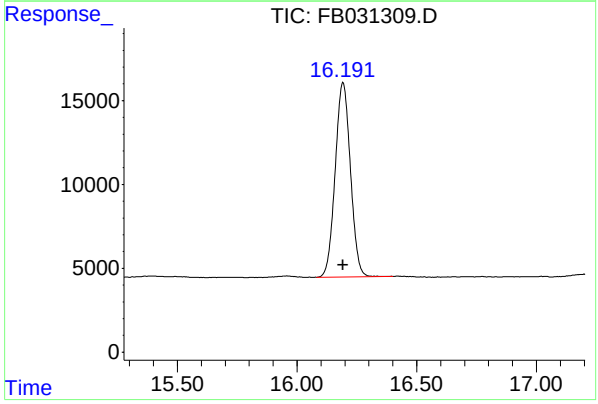
R.T.: 13.188 min
Delta R.T.: 0.000 min
Response: 679935
Conc: 20.00 ng/ml



#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

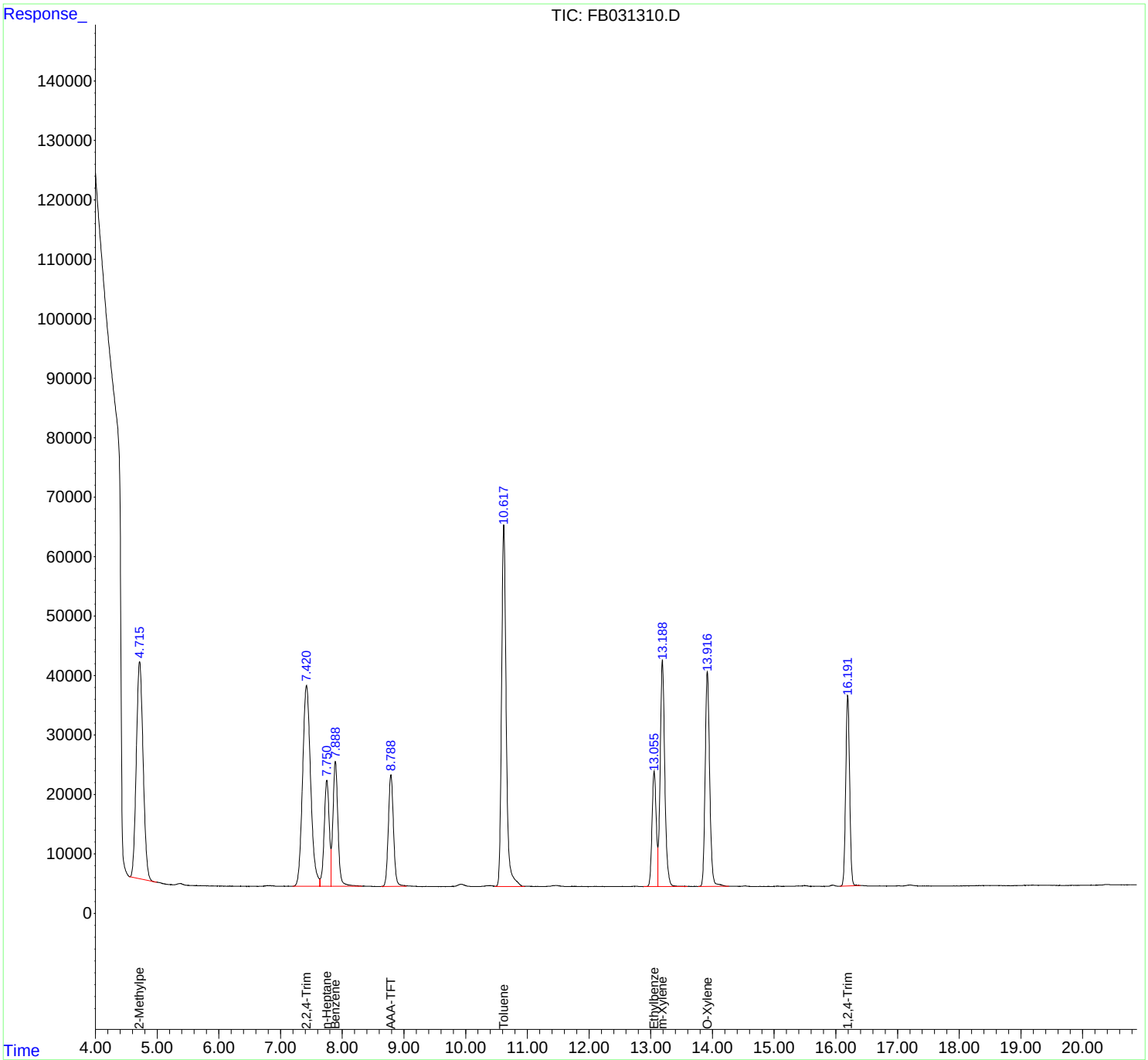
(f)=RT Delta > 1/2 Window (m)=manual int.

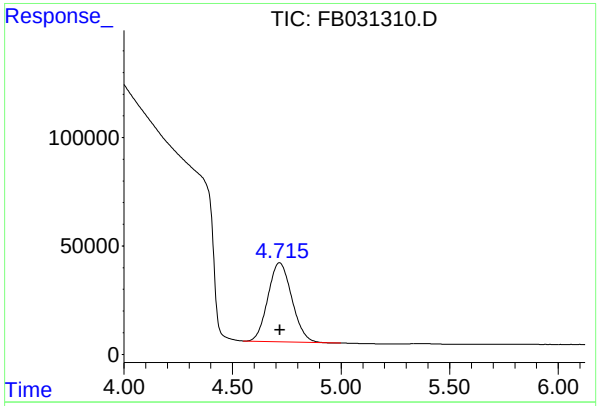
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011525\
Data File : FB031310.D
Signal(s) : FID2B.CH
Acq On : 15 Jan 2025 11:40
Operator : YP/AJ
Sample : 50 GRO STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

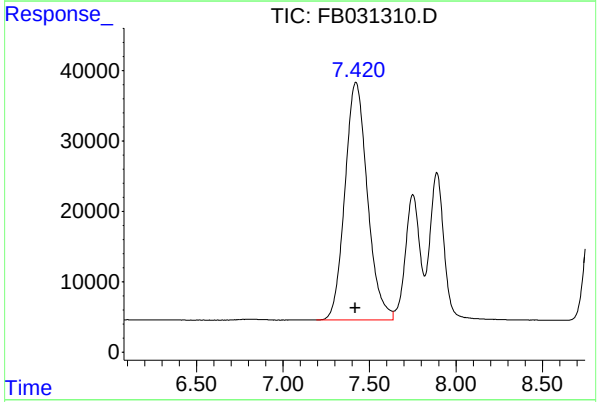




#1 2-Methylpentane

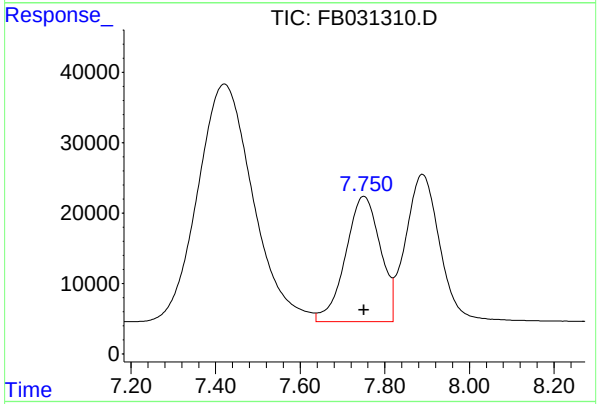
R.T.: 4.716 min
Delta R.T.: -0.002 min
Response: 2794680
Conc: 92.69 ng/ml

Instrument :
FID_B
ClientSampleId :
50 GRO STD



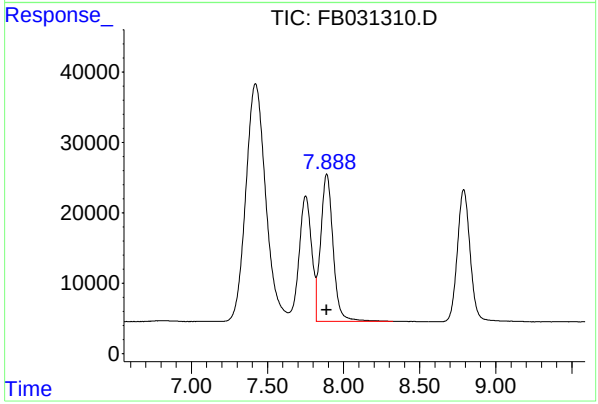
#2 2,2,4-Trimethylpentane

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



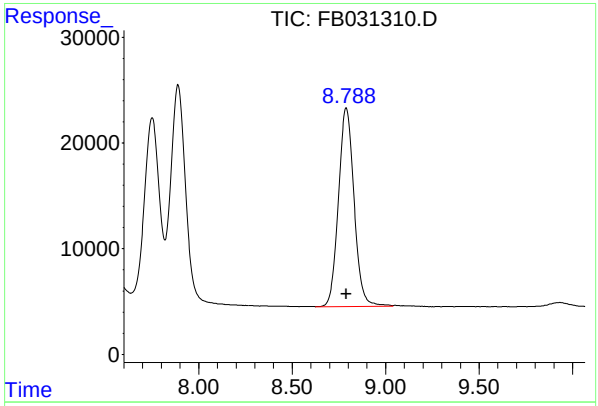
#3 n-Heptane

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



#4 Benzene

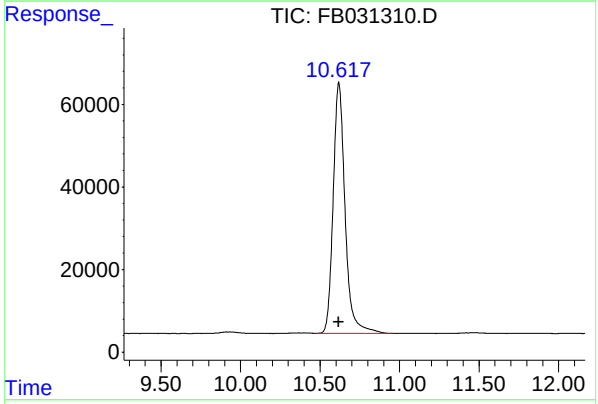
R.T.: 7.889 min
Delta R.T.: 0.000 min
Response: 1195371
Conc: 31.25 ng/ml



#5 AAA-TFT

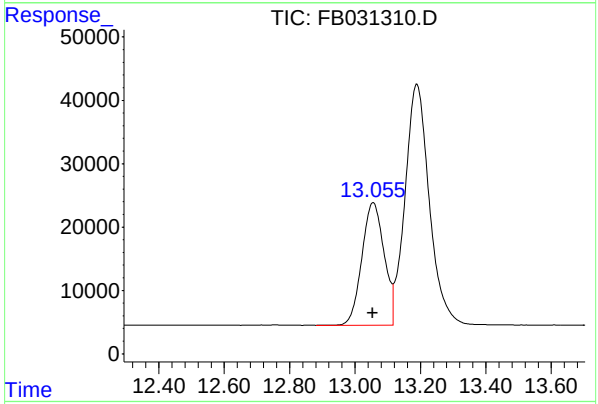
R.T.: 8.789 min
Delta R.T.: 0.000 min
Response: 1088363
Conc: 45.07 ng/ml

Instrument :
FID_B
ClientSampleId :
50 GRO STD



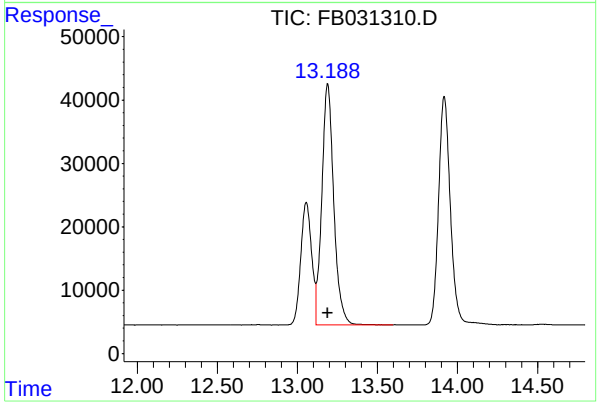
#6 Toluene

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



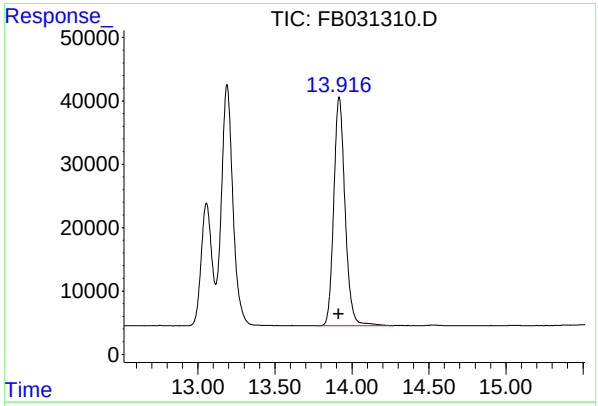
#7 Ethylbenzene

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



#8 m-Xylene

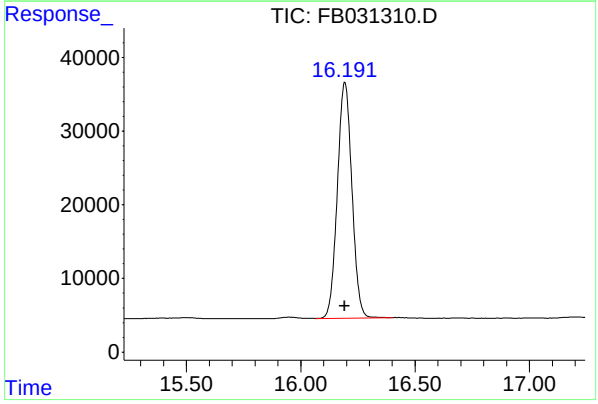
R.T.: 13.189 min
Delta R.T.: 0.001 min
Response: 1979254
Conc: 55.92 ng/ml



#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

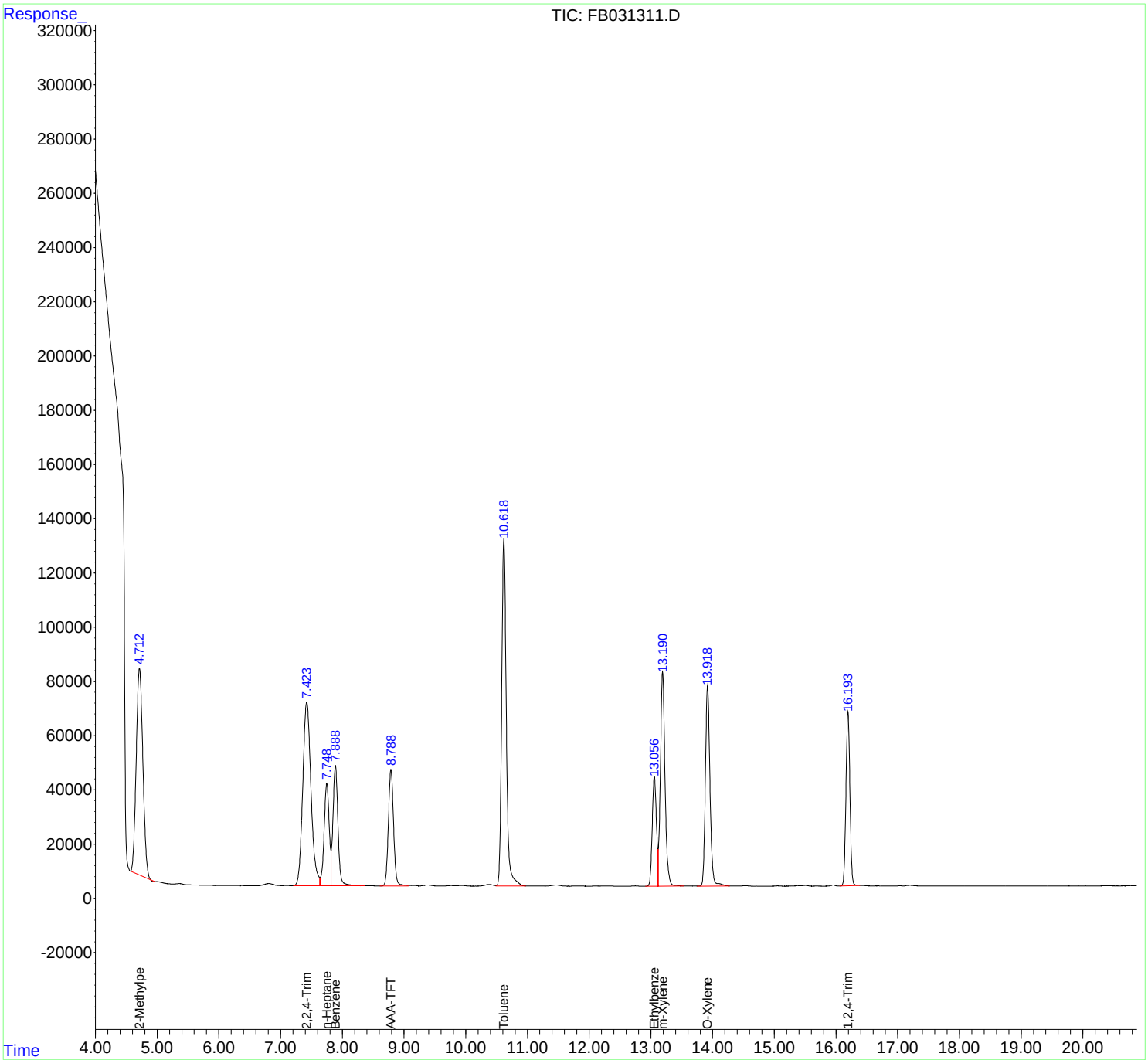
(f)=RT Delta > 1/2 Window (m)=manual int.

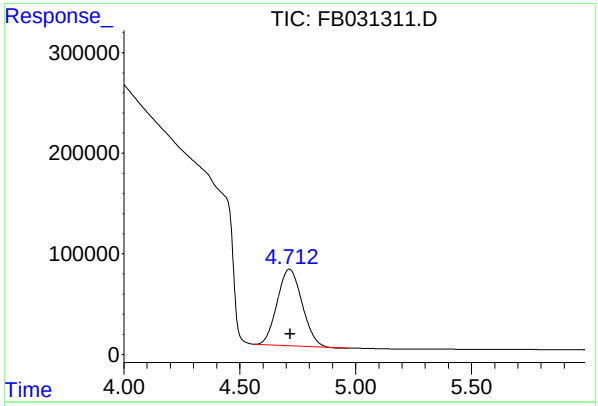
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011525\
Data File : FB031311.D
Signal(s) : FID2B.CH
Acq On : 15 Jan 2025 12:07
Operator : YP/AJ
Sample : 100 GRO STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

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

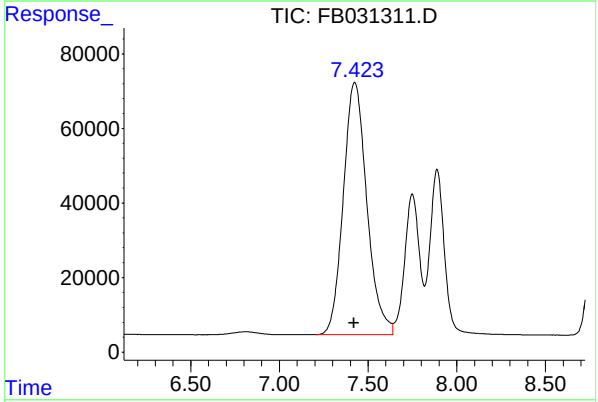




#1 2-Methylpentane

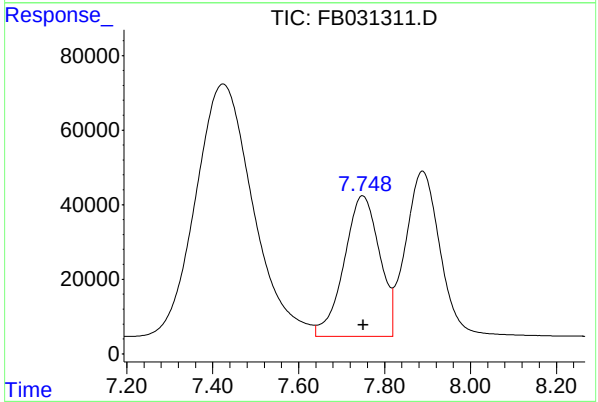
R.T.: 4.714 min
Delta R.T.: -0.004 min
Response: 5701862
Conc: 178.58 ng/ml

Instrument :
FID_B
ClientSampleId :
100 GRO STD



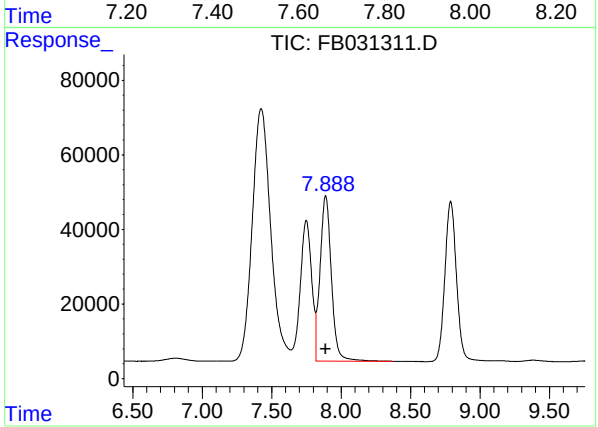
#2 2,2,4-Trimethylpentane

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



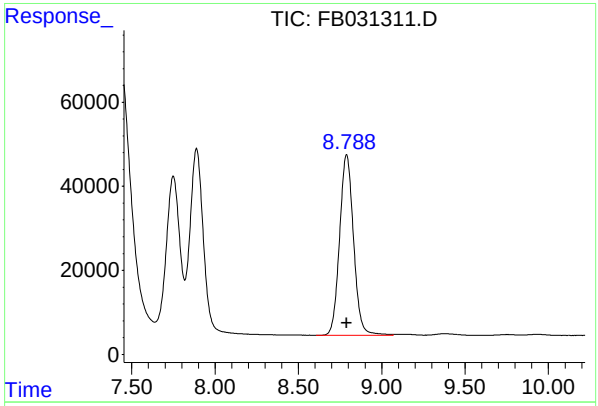
#3 n-Heptane

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



#4 Benzene

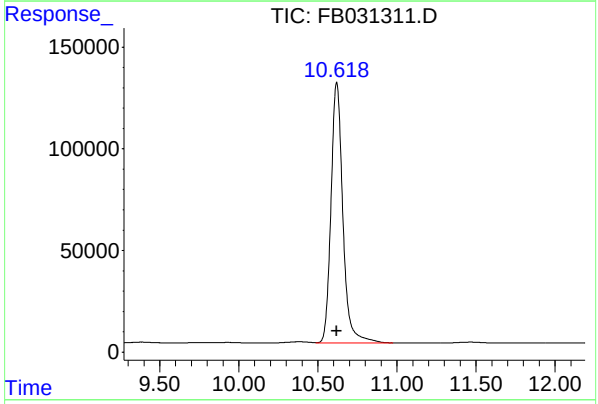
R.T.: 7.889 min
Delta R.T.: 0.000 min
Response: 2519199
Conc: 61.99 ng/ml



#5 AAA-TFT

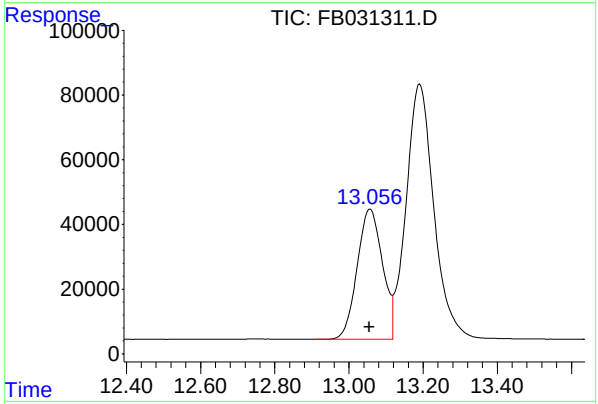
R.T.: 8.789 min
Delta R.T.: 0.000 min
Response: 2505507
Conc: 106.38 ng/ml

Instrument :
FID_B
ClientSampleId :
100 GRO STD



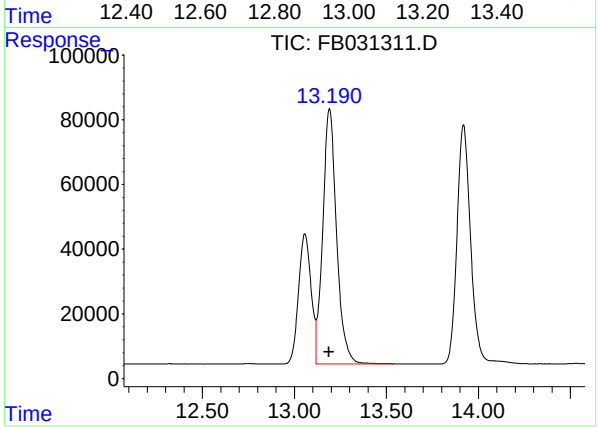
#6 Toluene

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



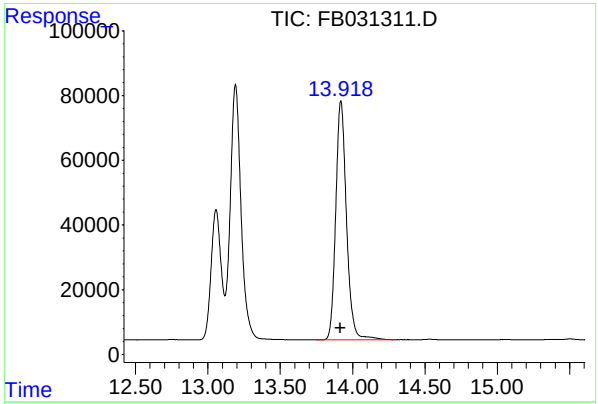
#7 Ethylbenzene

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



#8 m-Xylene

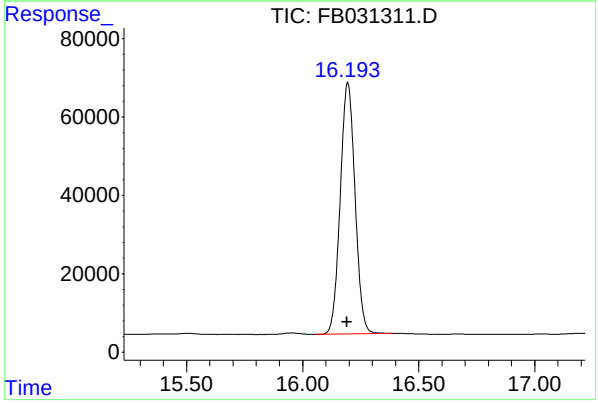
R.T.: 13.191 min
Delta R.T.: 0.003 min
Response: 4113116
Conc: 112.87 ng/ml



#9 O-Xylene

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

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

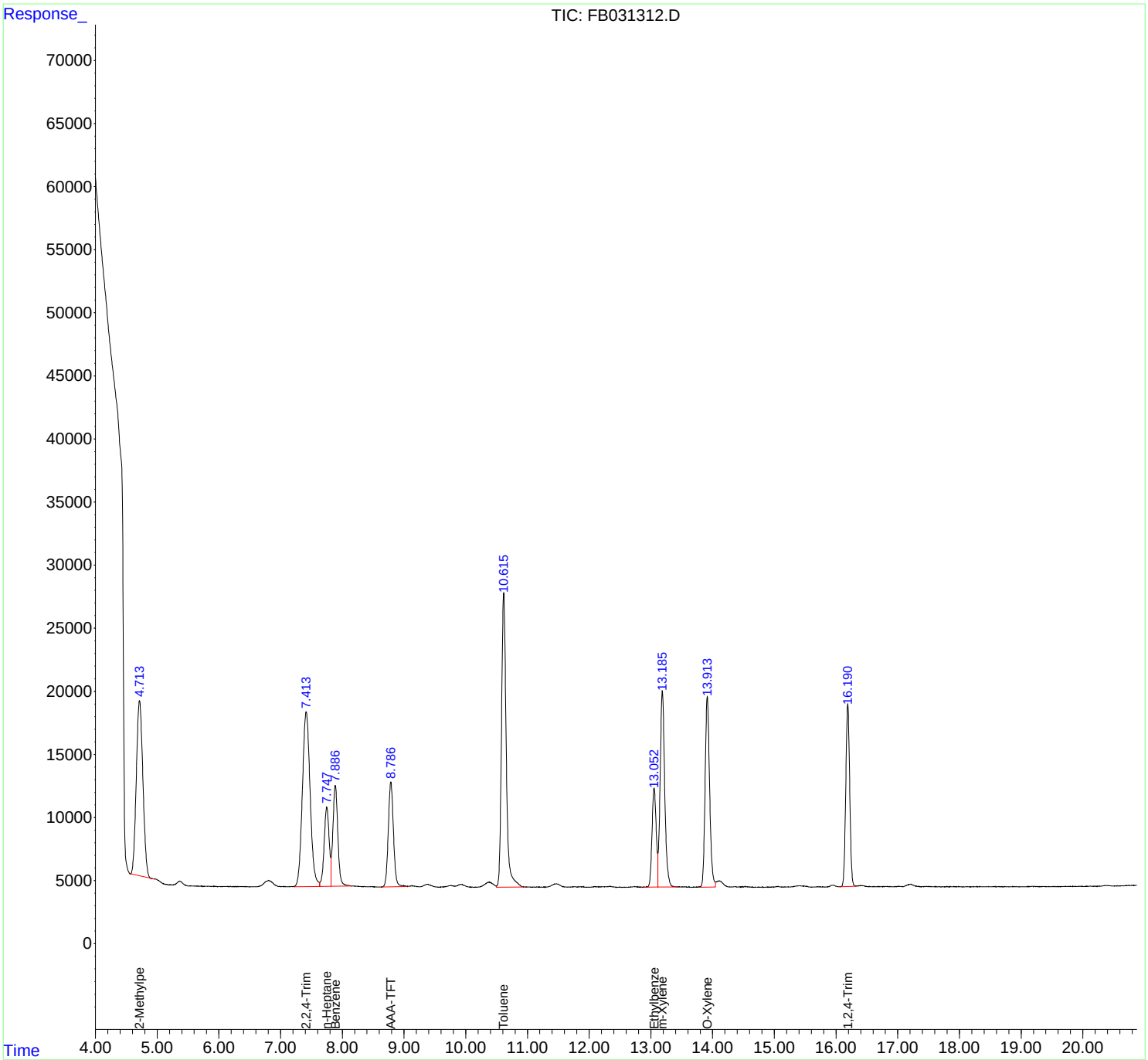
(f)=RT Delta > 1/2 Window (m)=manual int.

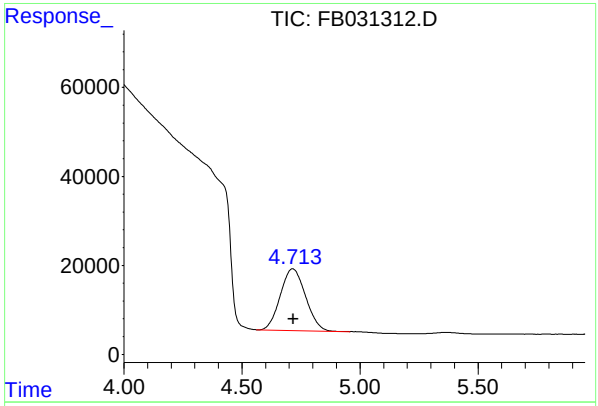
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011525\
Data File : FB031312.D
Signal(s) : FID2B.CH
Acq On : 15 Jan 2025 12:44
Operator : YP/AJ
Sample : FB011525GROICV
Misc :
ALS Vial : 6 Sample Multiplier: 1

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

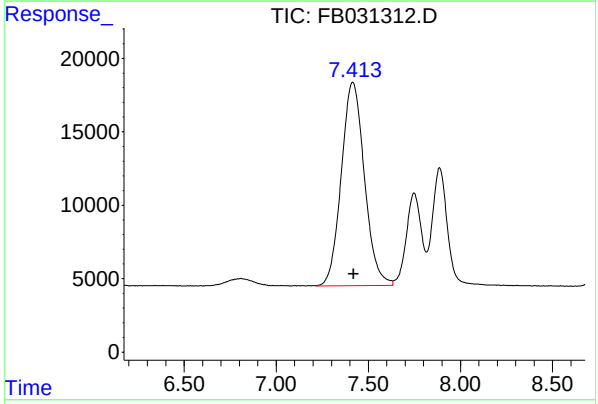




#1 2-Methylpentane

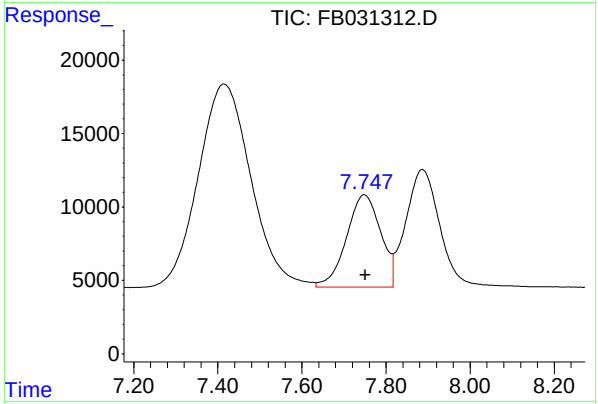
R.T.: 4.715 min
Delta R.T.: -0.003 min
Response: 1029585
Conc: 31.06 ng/ml

Instrument :
FID_B
ClientSampleId :
FB011525GROICV



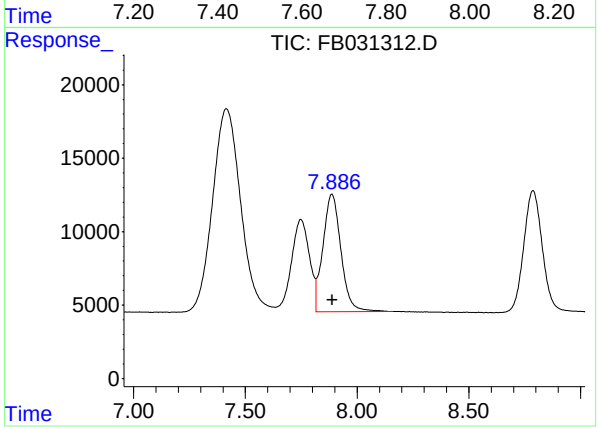
#2 2,2,4-Trimethylpentane

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



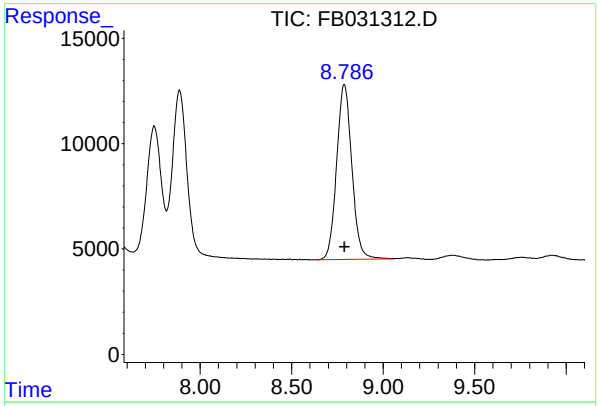
#3 n-Heptane

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



#4 Benzene

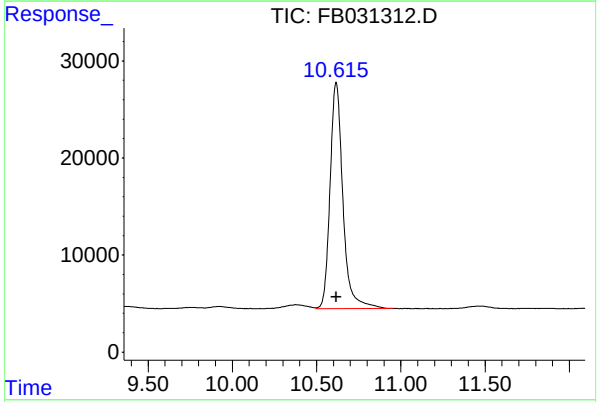
R.T.: 7.887 min
Delta R.T.: -0.003 min
Response: 448910
Conc: 10.54 ng/ml



#5 AAA-TFT

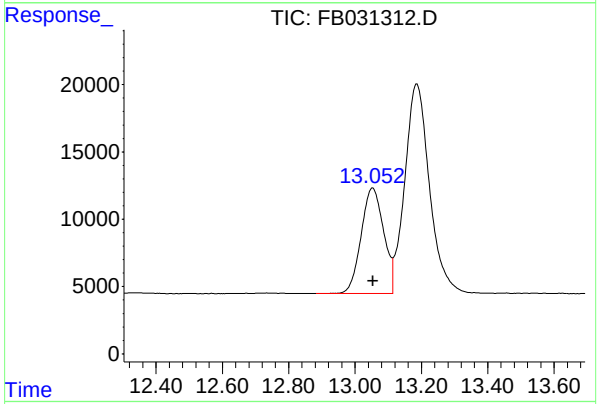
R.T.: 8.788 min
Delta R.T.: -0.002 min
Response: 479840
Conc: 20.12 ng/ml

Instrument :
FID_B
ClientSampleId :
FB011525GROICV



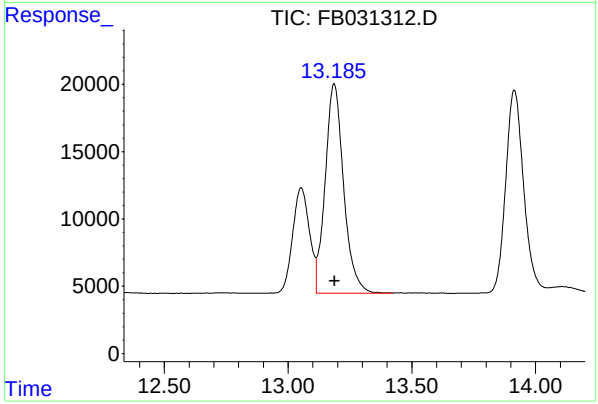
#6 Toluene

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



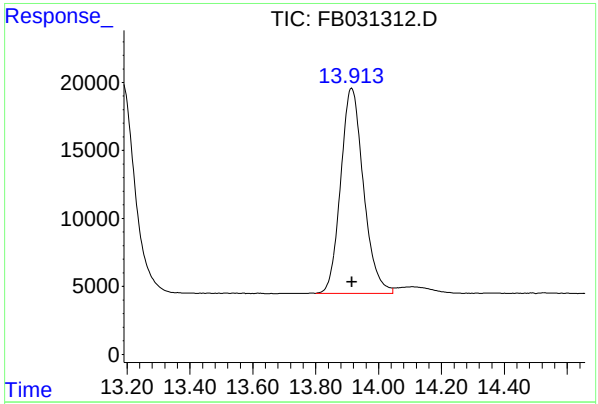
#7 Ethylbenzene

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



#8 m-Xylene

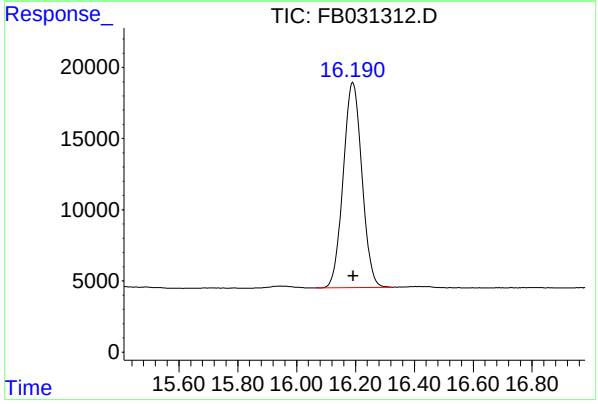
R.T.: 13.186 min
Delta R.T.: -0.002 min
Response: 805181
Conc: 21.54 ng/ml



#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.: Q1211 SAS No.: Q1211 SDG No.: Q1211

DataFile: FB031374.D Analyst Name: YP/AJ Analyst Date: 01-29-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	6660371	37002	35852	3.208

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB012925\
Data File : FB031374.D
Signal(s) : FID2B.CH
Acq On : 29 Jan 2025 17:15
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Jan 30 00:56:18 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	8.794	478743	20.071 ng/ml
	Target Compounds			
1) t	2-Methylpentane	4.721	988724	29.830 ng/ml
2) t	2,2,4-Trimethylpentane	7.426	1169052	31.086 ng/ml
3) t	n-Heptane	7.756	375151	10.392 ng/ml
4) t	Benzene	7.894	464489	10.906 ng/ml
6) t	Toluene	10.623	1246208	31.916 ng/ml
7) t	Ethylbenzene	13.059	356062	10.282 ng/ml
8) t	m-Xylene	13.193	767335	20.528 ng/ml
9) t	O-Xylene	13.922	722806	20.296 ng/ml
10) t	1,2,4-Trimethylbenzene	16.198	570544	20.146 ng/ml

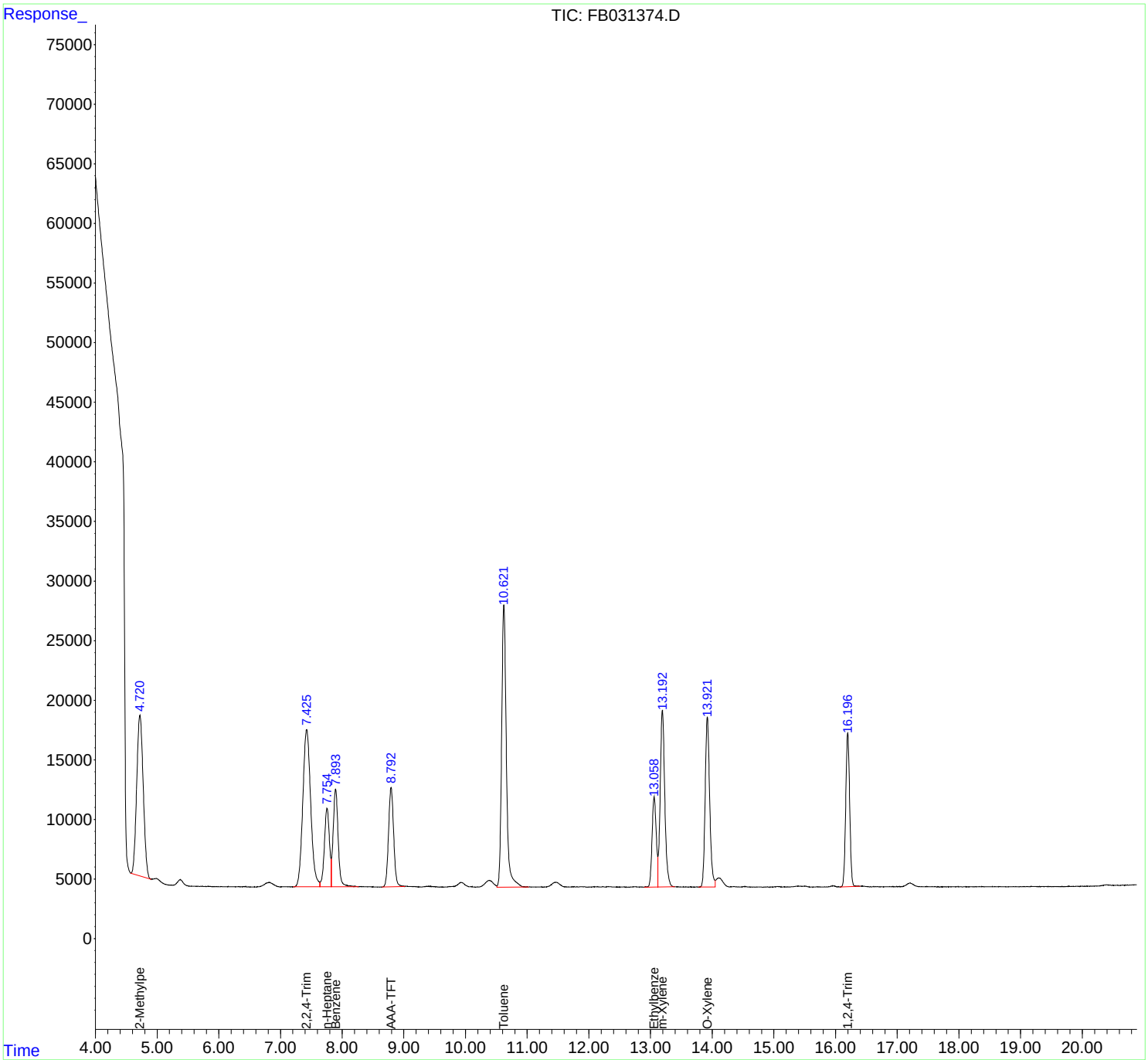
(f)=RT Delta > 1/2 Window (m)=manual int.

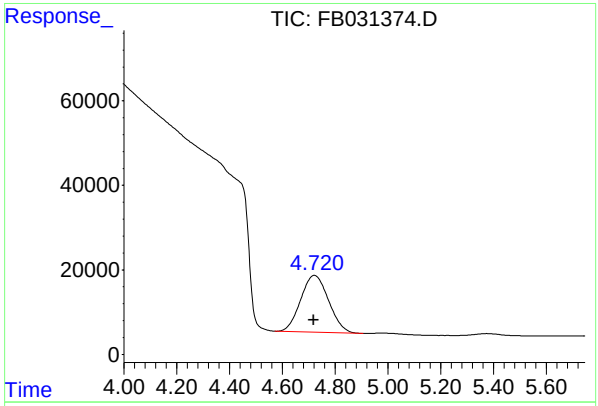
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB012925\
Data File : FB031374.D
Signal(s) : FID2B.CH
Acq On : 29 Jan 2025 17:15
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Jan 30 00:56:18 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

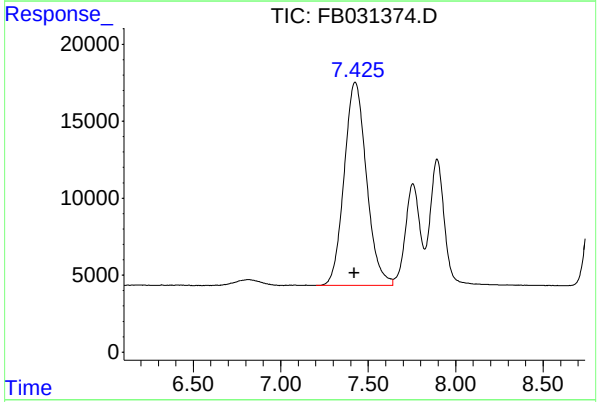




#1 2-Methylpentane

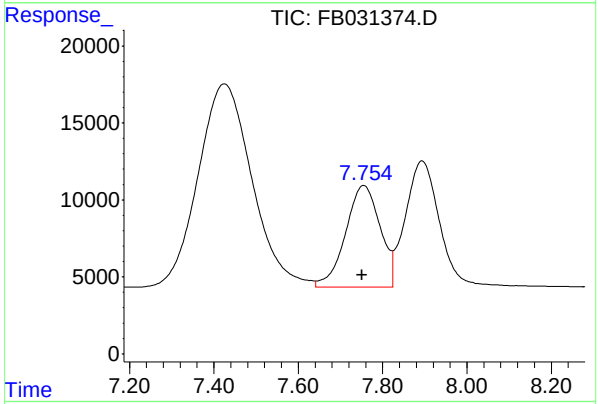
R.T.: 4.721 min
Delta R.T.: 0.003 min
Response: 988724
Conc: 29.83 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



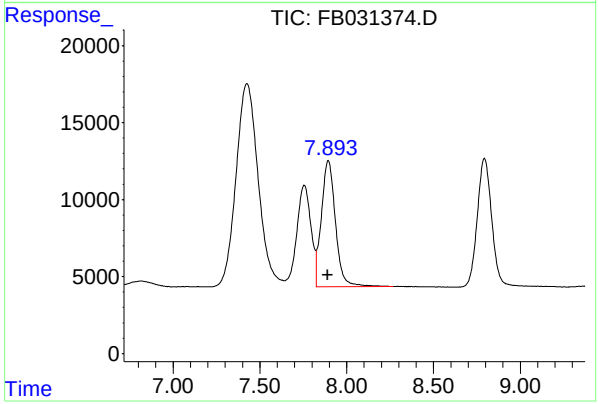
#2 2,2,4-Trimethylpentane

R.T.: 7.426 min
Delta R.T.: 0.006 min
Response: 1169052
Conc: 31.09 ng/ml



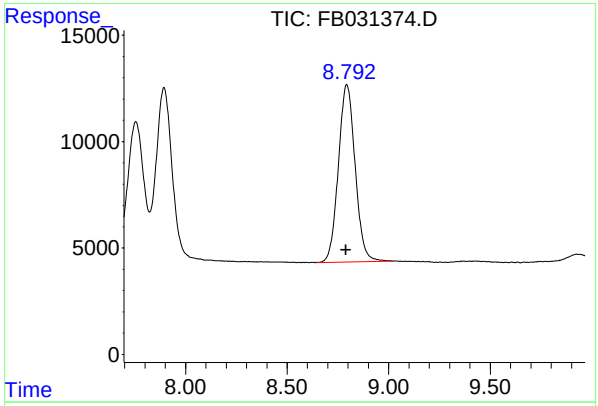
#3 n-Heptane

R.T.: 7.756 min
Delta R.T.: 0.004 min
Response: 375151
Conc: 10.39 ng/ml



#4 Benzene

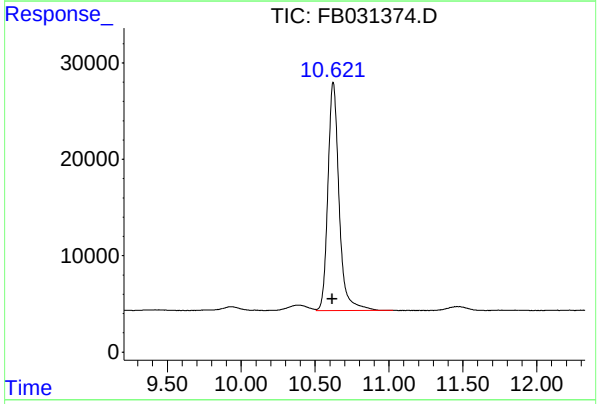
R.T.: 7.894 min
Delta R.T.: 0.004 min
Response: 464489
Conc: 10.91 ng/ml



#5 AAA-TFT

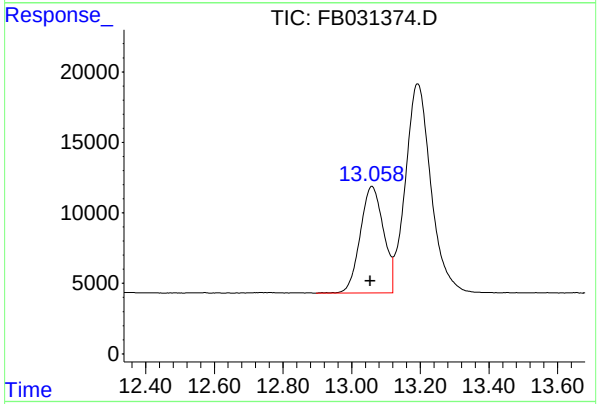
R.T.: 8.794 min
Delta R.T.: 0.004 min
Response: 478743
Conc: 20.07 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



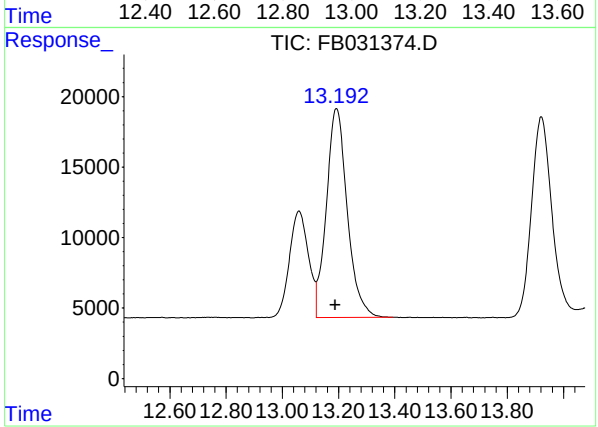
#6 Toluene

R.T.: 10.623 min
Delta R.T.: 0.005 min
Response: 1246208
Conc: 31.92 ng/ml



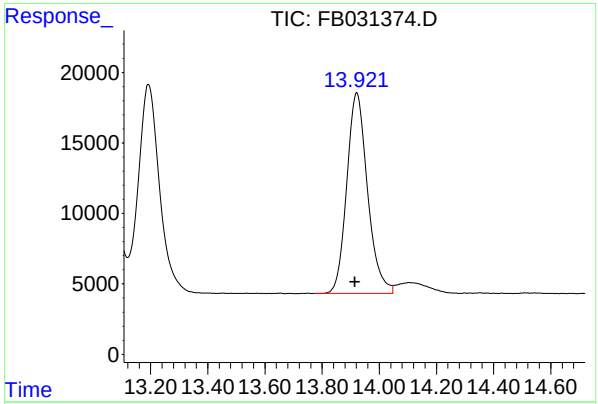
#7 Ethylbenzene

R.T.: 13.059 min
Delta R.T.: 0.005 min
Response: 356062
Conc: 10.28 ng/ml



#8 m-Xylene

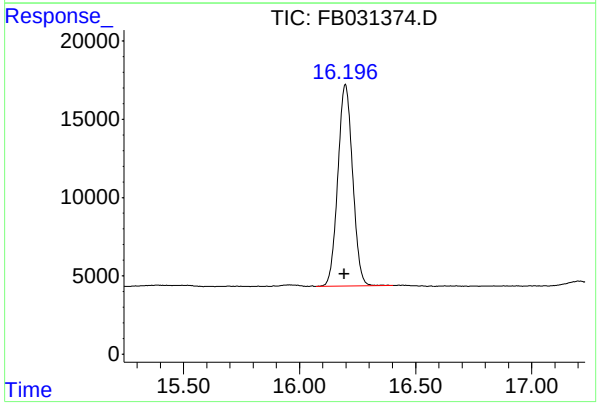
R.T.: 13.193 min
Delta R.T.: 0.005 min
Response: 767335
Conc: 20.53 ng/ml



#9 O-Xylene

R.T.: 13.922 min
Delta R.T.: 0.006 min
Response: 722806
Conc: 20.30 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



#10 1,2,4-Trimethylbenzene

R.T.: 16.198 min
Delta R.T.: 0.006 min
Response: 570544
Conc: 20.15 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB012925\
Data File : FB031374.D
Signal(s) : FID2B.CH
Acq On : 29 Jan 2025 17:15
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 19 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	4.571	4.907	BV	13470	988724	79.34%	13.849%
2	7.426	7.201	7.641	BV	13200	1169052	93.81%	16.375%
3	7.756	7.641	7.824	VV	6601	375151	30.10%	5.255%
4	7.894	7.824	8.267	VV	8199	464489	37.27%	6.506%
5	8.794	8.642	9.021	PV	8342	478743	38.42%	6.706%
6	10.623	10.507	11.028	VV	23691	1246208	100.00%	17.456%
7	13.059	12.896	13.120	BV	7575	356062	28.57%	4.987%
8	13.193	13.120	13.394	VV	14829	767335	61.57%	10.748%
9	13.922	13.778	14.047	BV	14254	722806	58.00%	10.125%
10	16.198	16.071	16.403	PBA	12888	570544	45.78%	7.992%

Sum of corrected areas: 7139115

FB011525.M Thu Jan 30 01:19:50 2025

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Fax : 908 789 8922

GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Chemtech Contract: WEST04

ProjectID: Ft Meade Tipton Airfield Parcel RI - PO 0111169

Lab Code: CHEM Case No.: Q1211 SAS No.: Q1211 SDG No.: Q1211

DataFile: FB031380.D Analyst Name: YP/AJ Analyst Date: 01-29-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	6516180	36201	35852	0.973

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB012925\
Data File : FB031380.D
Signal(s) : FID2B.CH
Acq On : 29 Jan 2025 20:21
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Jan 30 00:57:02 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	8.792	423982	17.775	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.720	992511	29.944	ng/ml
2) t	2,2,4-Trimethylpentane	7.424	1135649	30.197	ng/ml
3) t	n-Heptane	7.754	362461	10.041	ng/ml
4) t	Benzene	7.893	431543	10.133	ng/ml
6) t	Toluene	10.622	1227881	31.447	ng/ml
7) t	Ethylbenzene	13.059	350096	10.110	ng/ml
8) t	m-Xylene	13.193	755201	20.204	ng/ml
9) t	O-Xylene	13.920	710032	19.937	ng/ml
10) t	1,2,4-Trimethylbenzene	16.197	550806	19.449	ng/ml

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

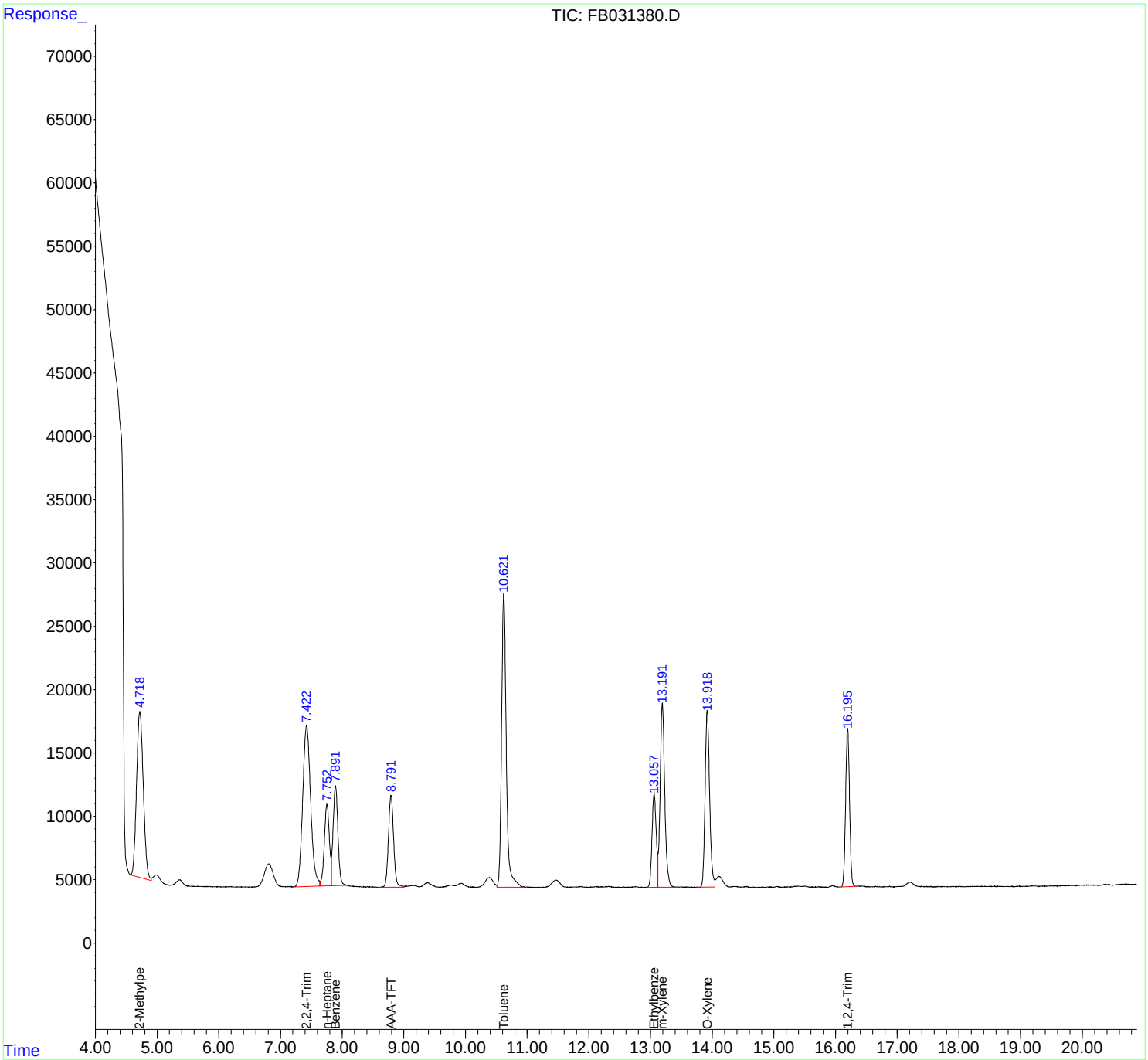
Quantitation Report (QT Reviewed)

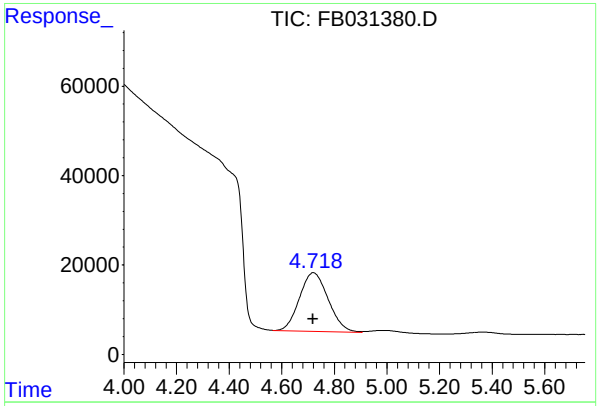
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB012925\
Data File : FB031380.D
Signal(s) : FID2B.CH
Acq On : 29 Jan 2025 20:21
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Jan 30 00:57:02 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

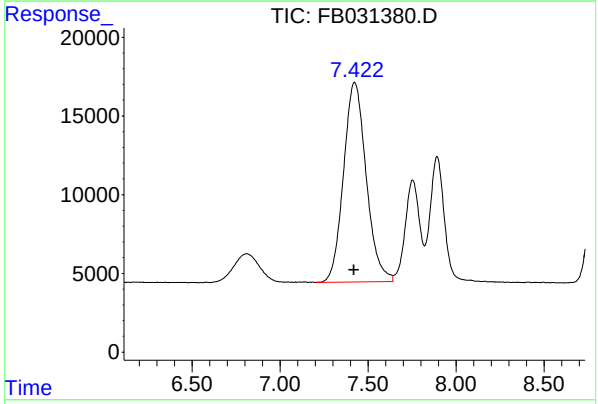




#1 2-Methylpentane

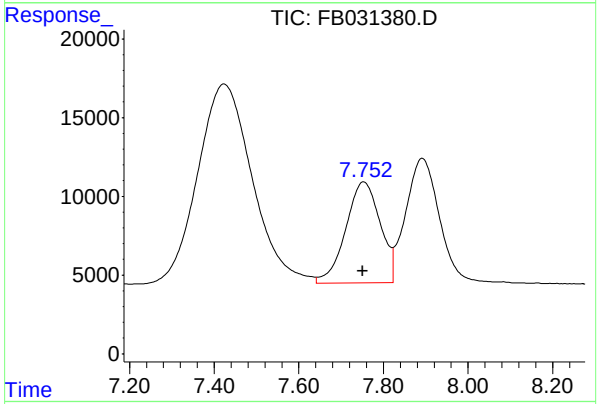
R.T.: 4.720 min
Delta R.T.: 0.002 min
Response: 992511
Conc: 29.94 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



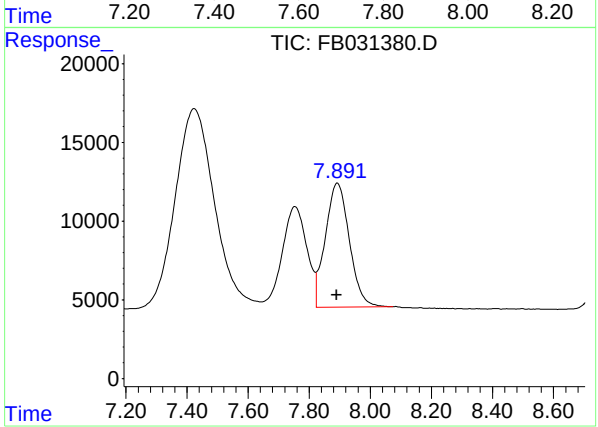
#2 2,2,4-Trimethylpentane

R.T.: 7.424 min
Delta R.T.: 0.004 min
Response: 1135649
Conc: 30.20 ng/ml



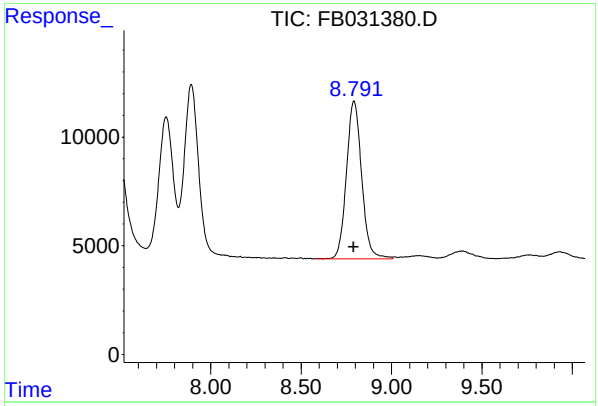
#3 n-Heptane

R.T.: 7.754 min
Delta R.T.: 0.003 min
Response: 362461
Conc: 10.04 ng/ml



#4 Benzene

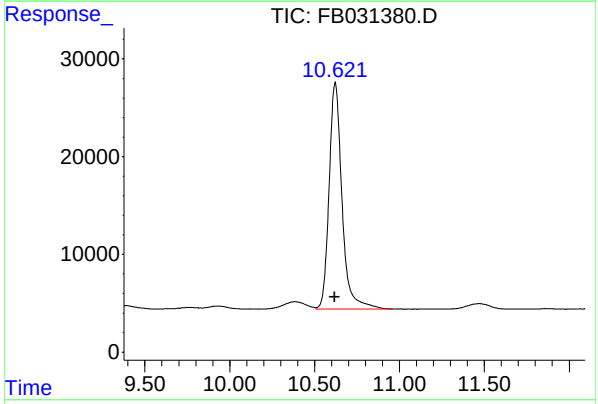
R.T.: 7.893 min
Delta R.T.: 0.003 min
Response: 431543
Conc: 10.13 ng/ml



#5 AAA-TFT

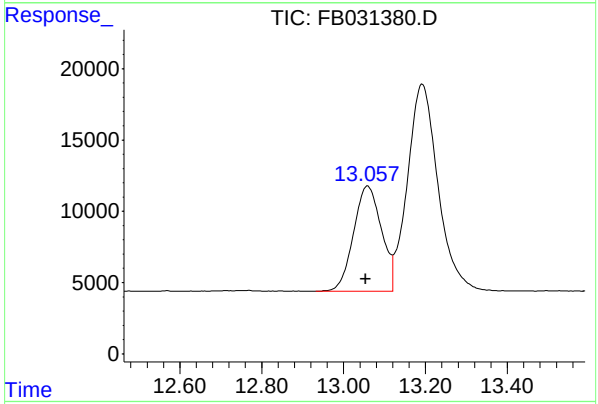
R.T.: 8.792 min
Delta R.T.: 0.003 min
Response: 423982
Conc: 17.77 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



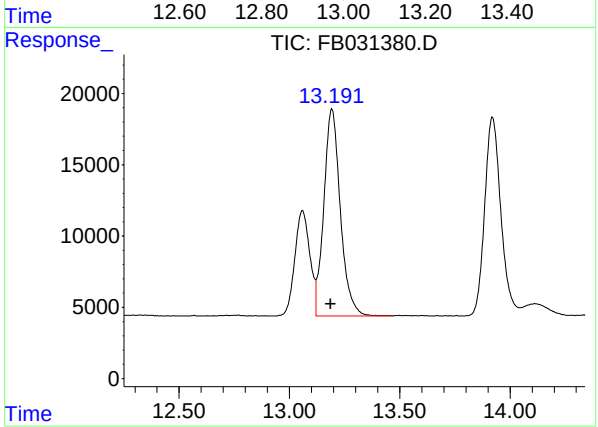
#6 Toluene

R.T.: 10.622 min
Delta R.T.: 0.004 min
Response: 1227881
Conc: 31.45 ng/ml



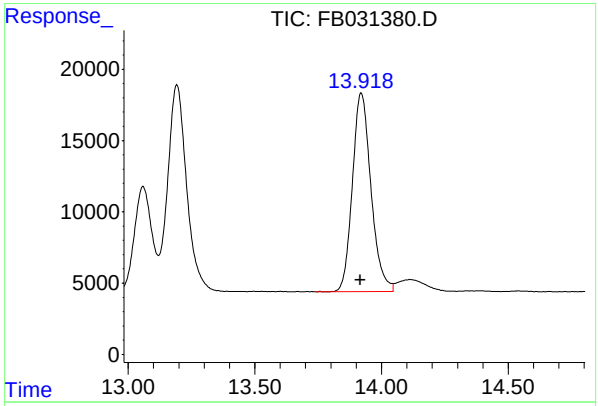
#7 Ethylbenzene

R.T.: 13.059 min
Delta R.T.: 0.005 min
Response: 350096
Conc: 10.11 ng/ml



#8 m-Xylene

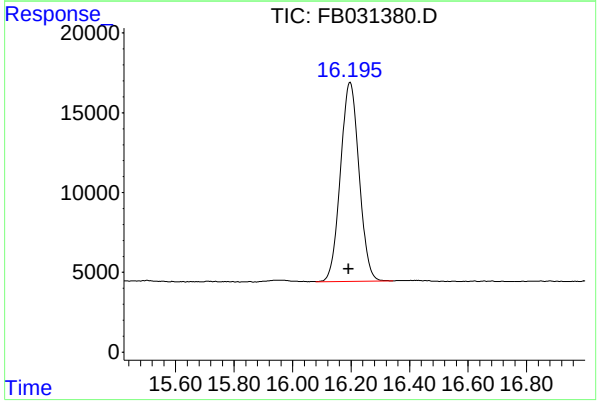
R.T.: 13.193 min
Delta R.T.: 0.004 min
Response: 755201
Conc: 20.20 ng/ml



#9 O-Xylene

R.T.: 13.920 min
Delta R.T.: 0.004 min
Response: 710032
Conc: 19.94 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



#10 1,2,4-Trimethylbenzene

R.T.: 16.197 min
Delta R.T.: 0.005 min
Response: 550806
Conc: 19.45 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB012925\
Data File : FB031380.D
Signal(s) : FID2B.CH
Acq On : 29 Jan 2025 20:21
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 26 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	4.905	BV	13100	992511	80.83%	14.301%
2	7.424	7.204	7.641	BV	12688	1135649	92.49%	16.363%
3	7.754	7.641	7.823	VV	6414	362461	29.52%	5.223%
4	7.893	7.823	8.075	VV	7891	431543	35.15%	6.218%
5	8.792	8.581	9.007	BV	7262	423982	34.53%	6.109%
6	10.622	10.508	10.961	VV	23215	1227881	100.00%	17.692%
7	13.059	12.932	13.120	BV	7407	350096	28.51%	5.044%
8	13.193	13.120	13.469	VV	14533	755201	61.50%	10.882%
9	13.920	13.742	14.045	BV	13938	710032	57.83%	10.231%
10	16.197	16.080	16.343	BV	12483	550806	44.86%	7.937%

Sum of corrected areas: 6940163

FB011525.M Thu Jan 30 01:21:16 2025

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

Analytical Sequence

Client: Weston Solutions **SDG No.:** Q1211

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	29 Jan 2025 17:15	FB031374.D	8.794	
VBF0129W1	VBF0129W1	29 Jan 2025 18:08	FB031375.D	8.794	
BSF0129W1	BSF0129W1	29 Jan 2025 18:34	FB031376.D	8.792	
TAPHHA-MW01-012825-00-T4	Q1211-01	29 Jan 2025 19:01	FB031377.D	8.656	*
TAPIAL2-MW03-012825-00-T3	Q1211-02	29 Jan 2025 19:28	FB031378.D	8.792	
BSF0129W2	BSF0129W2	29 Jan 2025 19:54	FB031379.D	8.792	
20 PPB GRO STD	20 PPB GRO STD	29 Jan 2025 20:21	FB031380.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:	VBF0129W1	SDG No.:	Q1211
Lab Sample ID:	VBF0129W1	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
FB031375.D	1	01/29/25 18:08	FB012925

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	21.0		50 - 150		105%	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\FB012925\
Data File : FB031375.D
Signal(s) : FID2B.CH
Acq On : 29 Jan 2025 18:08
Operator : YP/AJ
Sample : VBF0129W1
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0129W1

Integration File: Calibration.e
Quant Time: Jan 30 00:56:25 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	8.794	501176	21.011 ng/ml
Target Compounds				

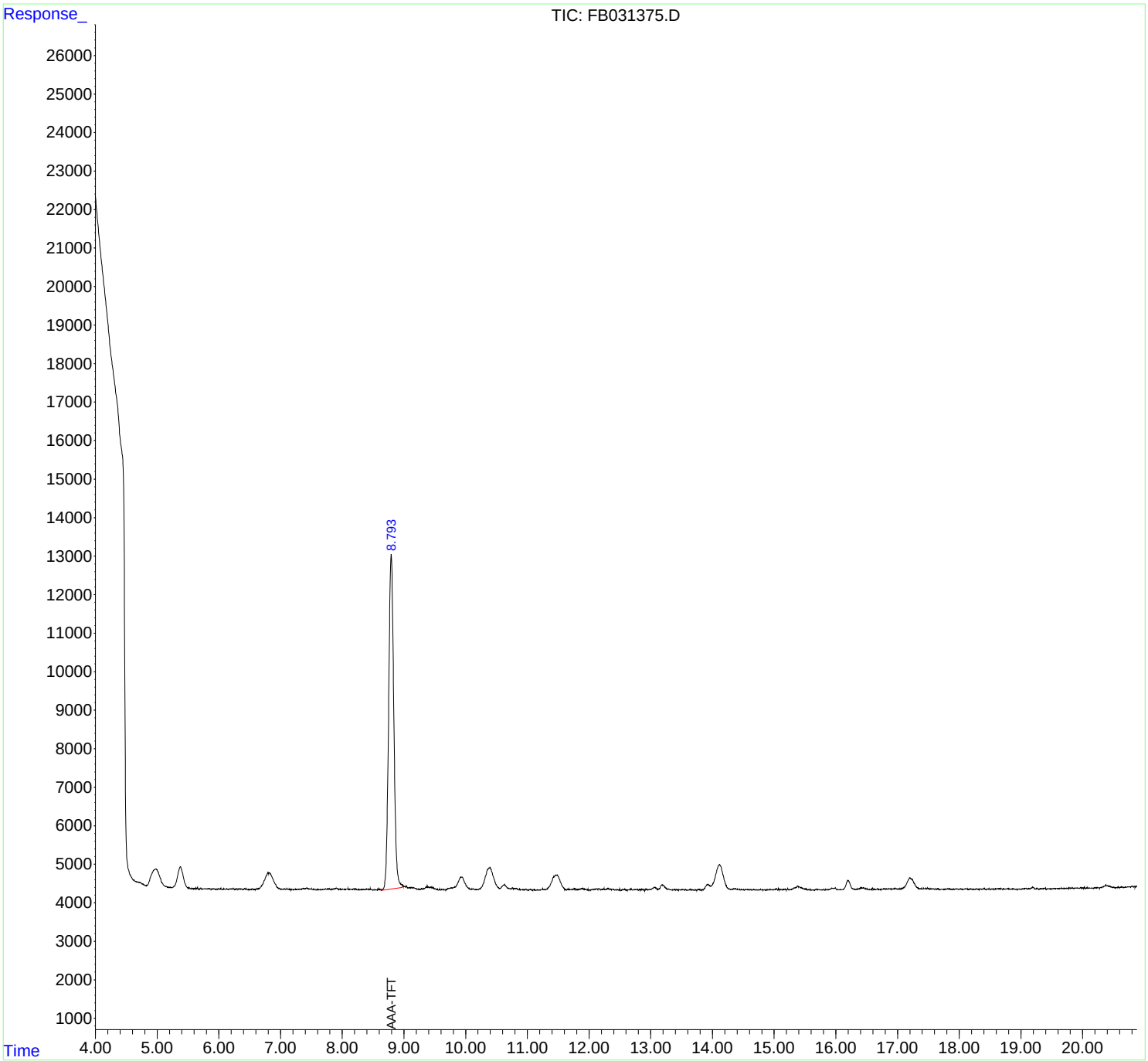
(f)=RT Delta > 1/2 Window (m)=manual int.

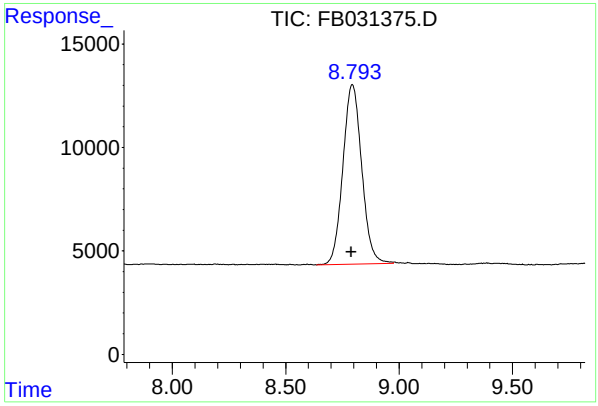
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB012925\
Data File : FB031375.D
Signal(s) : FID2B.CH
Acq On : 29 Jan 2025 18:08
Operator : YP/AJ
Sample : VBF0129W1
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0129W1

Integration File: Calibration.e
Quant Time: Jan 30 00:56:25 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.: 8.794 min
Delta R.T.: 0.004 mi
Response: 501176
Conc: 21.01 ng/m

Instrument :
FID_B
ClientSampleId :
VBF0129W1

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB012925\
Data File : FB031375.D
Signal(s) : FID2B.CH
Acq On : 29 Jan 2025 18:08
Sample : VBF0129W1
Misc :
ALS Vial : 21 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	8.794	8.635	8.974	PV	8685	501176	100.00%	100.000%
			Sum of corrected areas:			501176		

FB011525.M Thu Jan 30 01:20:13 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:	BSF0129W1	SDG No.:	Q1211
Lab Sample ID:	BSF0129W1	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
FB031376.D	1	01/29/25 18:34	FB012925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
GRO	GRO	178		6.00	9.00	45.0	ug/L
SURROGATES							
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	19.3		50 - 150		97%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB012925\
Data File : FB031376.D
Signal(s) : FID2B.CH
Acq On : 29 Jan 2025 18:34
Operator : YP/AJ
Sample : BSF0129W1
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0129W1

Integration File: Calibration.e
Quant Time: Jan 30 00:56:32 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	460617	19.311 ng/ml
	Target Compounds			
1) t	2-Methylpentane	4.719	960470	28.977 ng/ml
2) t	2,2,4-Trimethylpentane	7.423	1128566	30.009 ng/ml
3) t	n-Heptane	7.754	358001	9.917 ng/ml
4) t	Benzene	7.892	431613	10.134 ng/ml
6) t	Toluene	10.622	1192562	30.542 ng/ml
7) t	Ethylbenzene	13.060	339377	9.800 ng/ml
8) t	m-Xylene	13.193	732514	19.597 ng/ml
9) t	O-Xylene	13.921	692272	19.438 ng/ml
10) t	1,2,4-Trimethylbenzene	16.198	532585	18.805 ng/ml

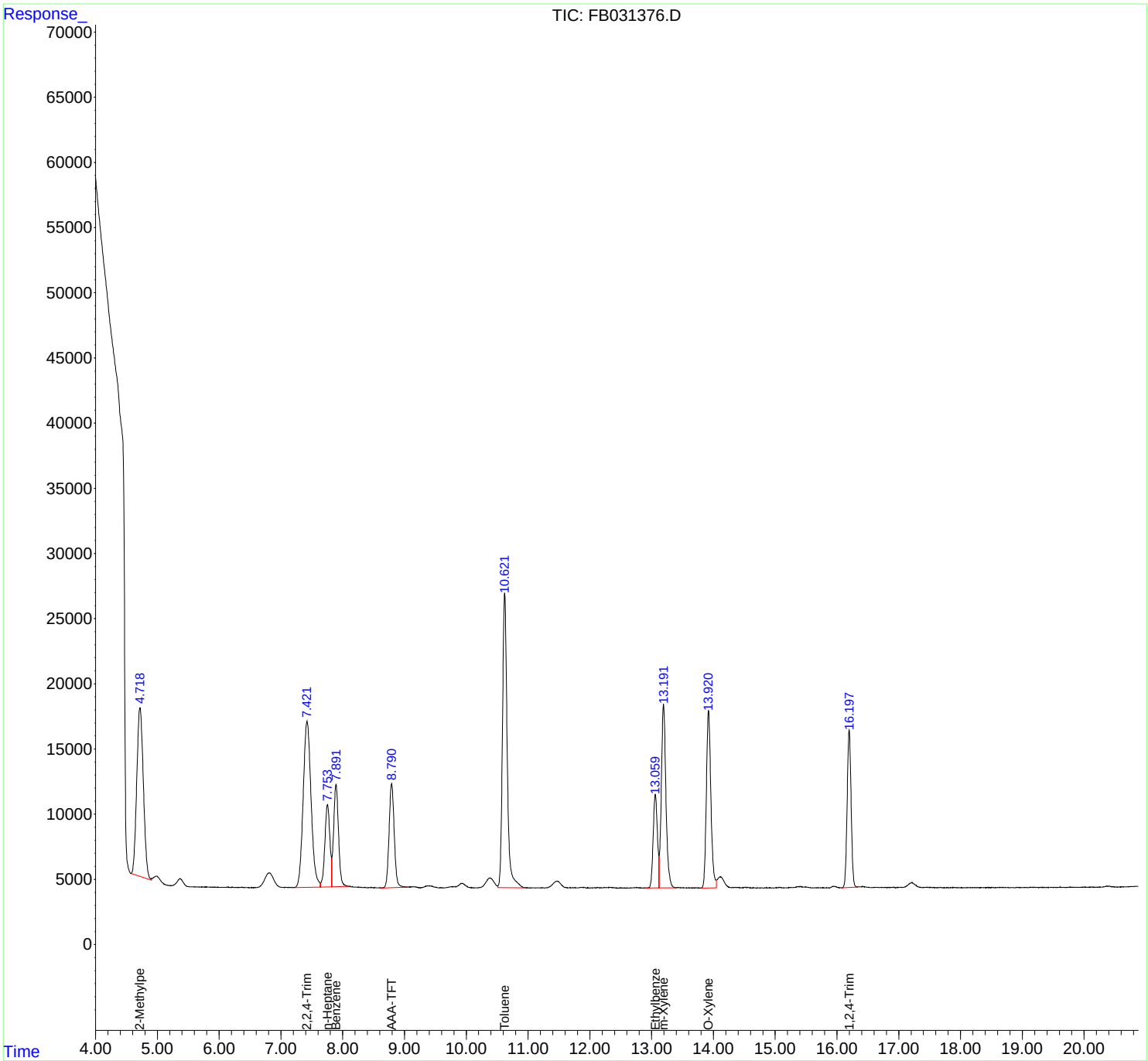
(f)=RT Delta > 1/2 Window (m)=manual int.

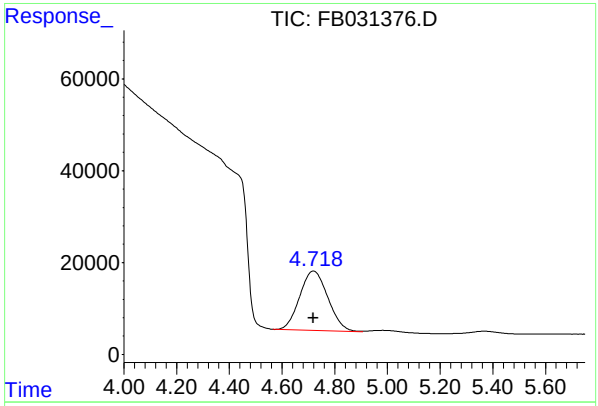
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB012925\
Data File : FB031376.D
Signal(s) : FID2B.CH
Acq On : 29 Jan 2025 18:34
Operator : YP/AJ
Sample : BSF0129W1
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0129W1

Integration File: Calibration.e
Quant Time: Jan 30 00:56:32 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

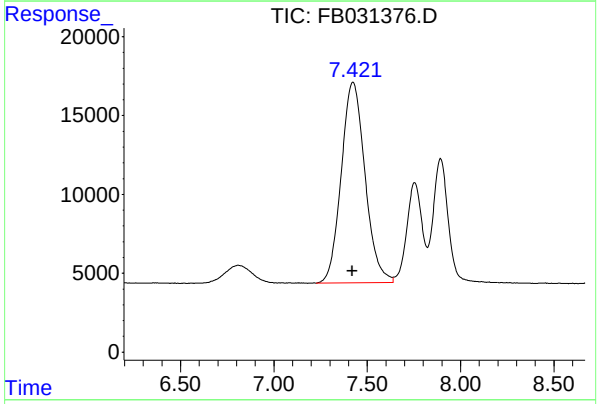




#1 2-Methylpentane

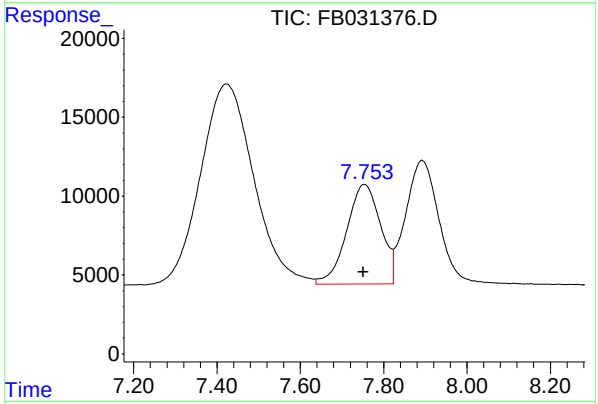
R.T.: 4.719 min
Delta R.T.: 0.001 min
Response: 960470
Conc: 28.98 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0129W1



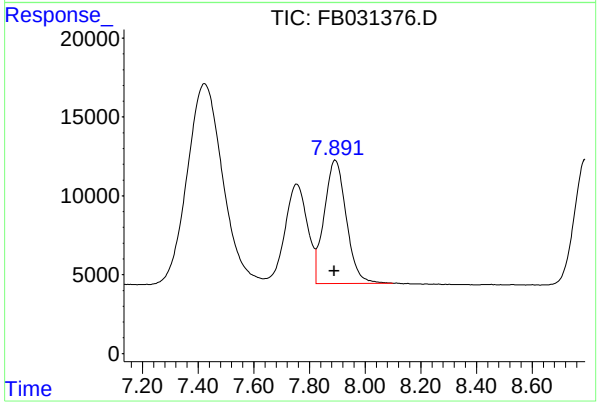
#2 2,2,4-Trimethylpentane

R.T.: 7.423 min
Delta R.T.: 0.003 min
Response: 1128566
Conc: 30.01 ng/ml



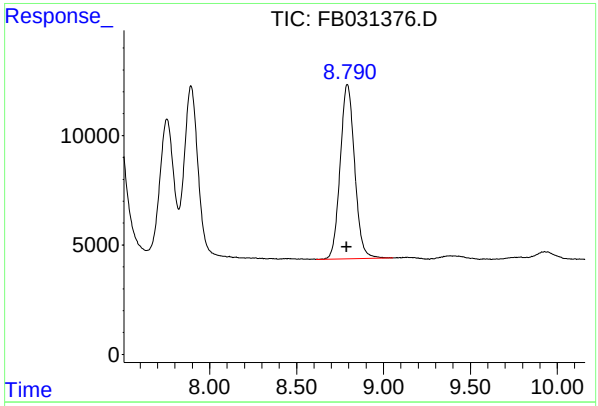
#3 n-Heptane

R.T.: 7.754 min
Delta R.T.: 0.003 min
Response: 358001
Conc: 9.92 ng/ml



#4 Benzene

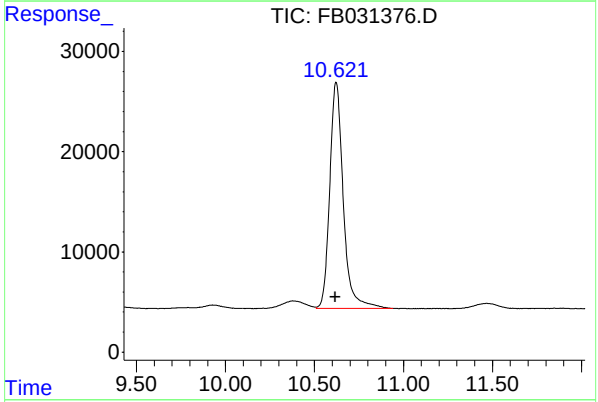
R.T.: 7.892 min
Delta R.T.: 0.003 min
Response: 431613
Conc: 10.13 ng/ml



#5 AAA-TFT

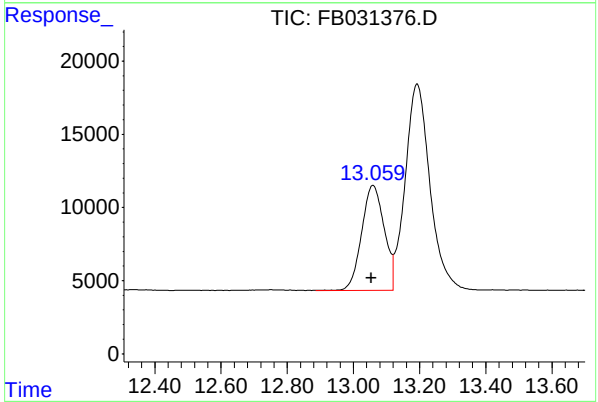
R.T.: 8.792 min
Delta R.T.: 0.002 min
Response: 460617
Conc: 19.31 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0129W1



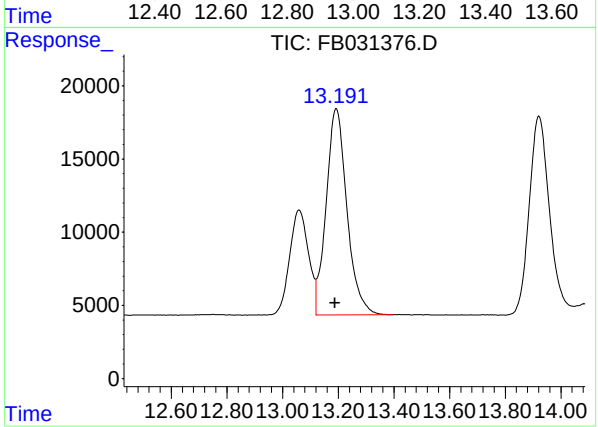
#6 Toluene

R.T.: 10.622 min
Delta R.T.: 0.004 min
Response: 1192562
Conc: 30.54 ng/ml



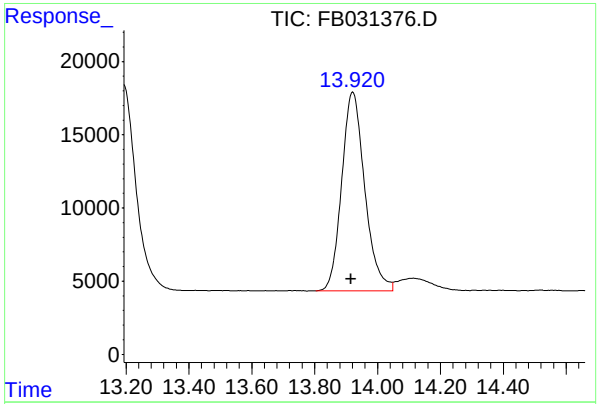
#7 Ethylbenzene

R.T.: 13.060 min
Delta R.T.: 0.005 min
Response: 339377
Conc: 9.80 ng/ml



#8 m-Xylene

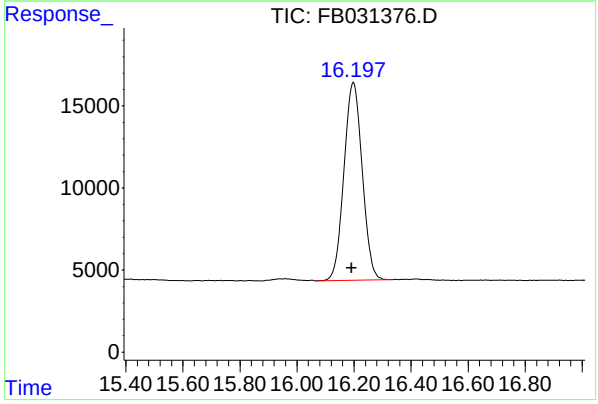
R.T.: 13.193 min
Delta R.T.: 0.005 min
Response: 732514
Conc: 19.60 ng/ml



#9 O-Xylene

R.T.: 13.921 min
Delta R.T.: 0.006 min
Response: 692272
Conc: 19.44 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0129W1



#10 1,2,4-Trimethylbenzene

R.T.: 16.198 min
Delta R.T.: 0.006 min
Response: 532585
Conc: 18.81 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB012925\
Data File : FB031376.D
Signal(s) : FID2B.CH
Acq On : 29 Jan 2025 18:34
Sample : BSF0129W1
Misc :
ALS Vial : 22 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	4.719	4.565	4.904	BV	12940	960470	80.54%	14.065%
2	7.423	7.226	7.638	VV	12730	1128566	94.63%	16.527%
3	7.754	7.638	7.823	VV	6324	358001	30.02%	5.243%
4	7.892	7.823	8.100	VV	7838	431613	36.19%	6.321%
5	8.792	8.612	9.055	PV	7965	460617	38.62%	6.745%
6	10.622	10.510	10.942	VV	22567	1192562	100.00%	17.464%
7	13.060	12.887	13.120	BV	7180	339377	28.46%	4.970%
8	13.193	13.120	13.397	VV	14102	732514	61.42%	10.727%
9	13.921	13.803	14.048	BV	13580	692272	58.05%	10.138%
10	16.198	16.066	16.336	PV	12063	532585	44.66%	7.799%

Sum of corrected areas: 6828576

FB011525.M Thu Jan 30 01:20:33 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:	BSF0129W2	SDG No.:	Q1211
Lab Sample ID:	BSF0129W2	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
FB031379.D	1	01/29/25 19:54	FB012925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
GRO	GRO	175		6.00	9.00	45.0	ug/L
SURROGATES							
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	19.8		50 - 150		99%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB012925\
Data File : FB031379.D
Signal(s) : FID2B.CH
Acq On : 29 Jan 2025 19:54
Operator : YP/AJ
Sample : BSF0129W2
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0129W2

Integration File: Calibration.e
Quant Time: Jan 30 00:56:54 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	471737	19.777	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.718	928063	28.000	ng/ml
2) t	2,2,4-Trimethylpentane	7.420	1112515	29.582	ng/ml
3) t	n-Heptane	7.753	345457	9.570	ng/ml
4) t	Benzene	7.892	429258	10.079	ng/ml
6) t	Toluene	10.622	1181797	30.266	ng/ml
7) t	Ethylbenzene	13.059	334730	9.666	ng/ml
8) t	m-Xylene	13.192	726459	19.435	ng/ml
9) t	O-Xylene	13.920	685788	19.256	ng/ml
10) t	1,2,4-Trimethylbenzene	16.197	529864	18.709	ng/ml

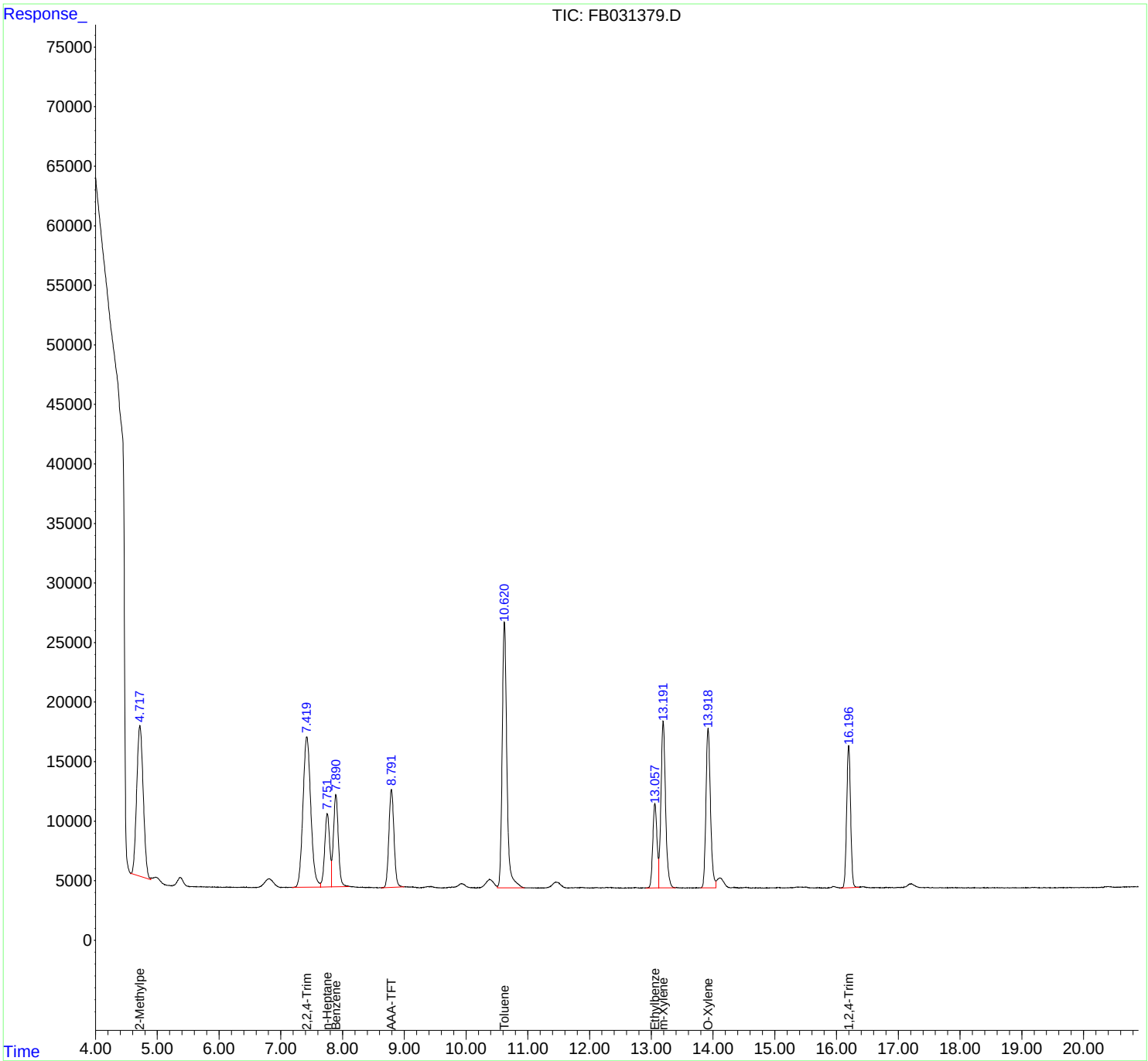
(f)=RT Delta > 1/2 Window (m)=manual int.

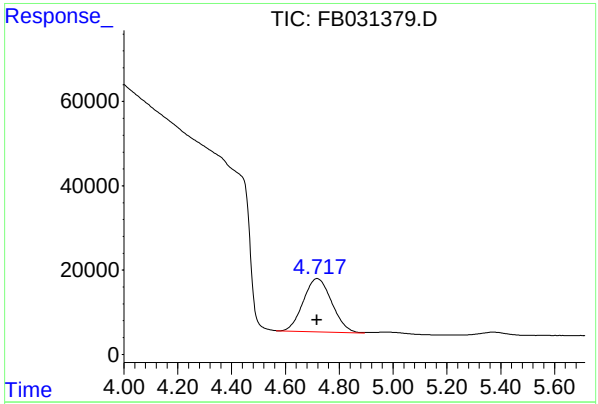
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB012925\
Data File : FB031379.D
Signal(s) : FID2B.CH
Acq On : 29 Jan 2025 19:54
Operator : YP/AJ
Sample : BSF0129W2
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0129W2

Integration File: Calibration.e
Quant Time: Jan 30 00:56:54 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

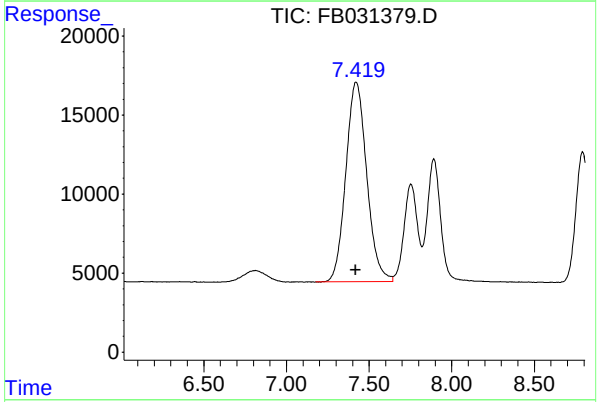




#1 2-Methylpentane

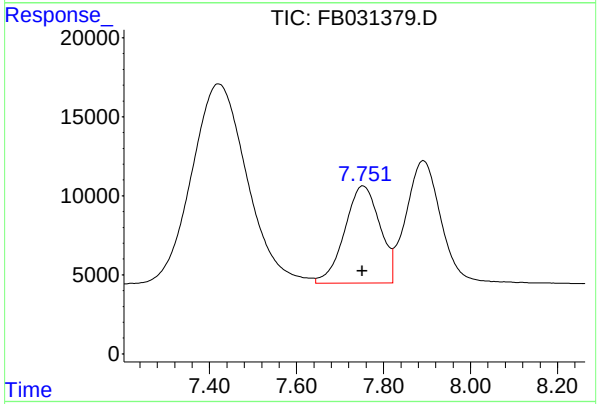
R.T.: 4.718 min
Delta R.T.: 0.000 min
Response: 928063
Conc: 28.00 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0129W2



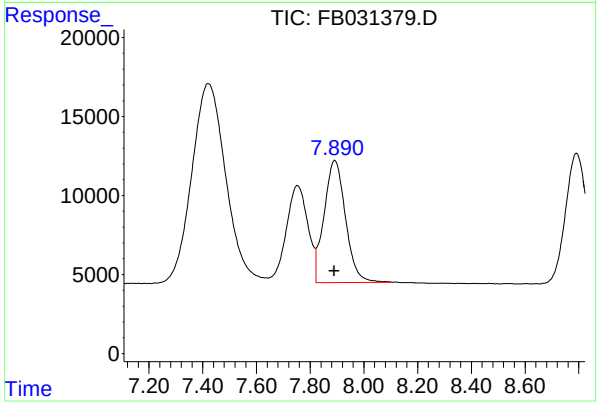
#2 2,2,4-Trimethylpentane

R.T.: 7.420 min
Delta R.T.: 0.000 min
Response: 1112515
Conc: 29.58 ng/ml



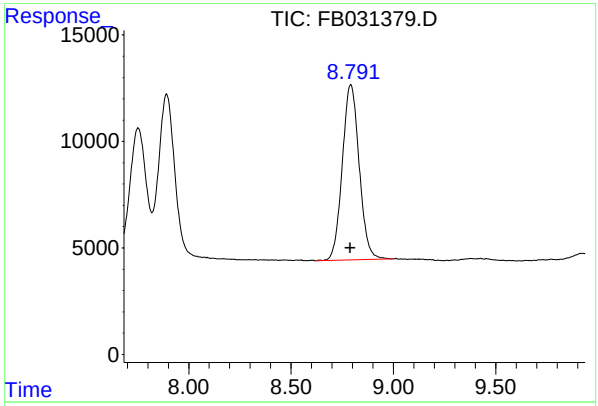
#3 n-Heptane

R.T.: 7.753 min
Delta R.T.: 0.002 min
Response: 345457
Conc: 9.57 ng/ml



#4 Benzene

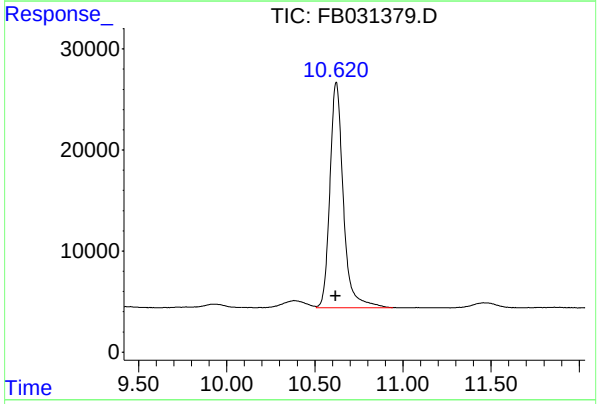
R.T.: 7.892 min
Delta R.T.: 0.002 min
Response: 429258
Conc: 10.08 ng/ml



#5 AAA-TFT

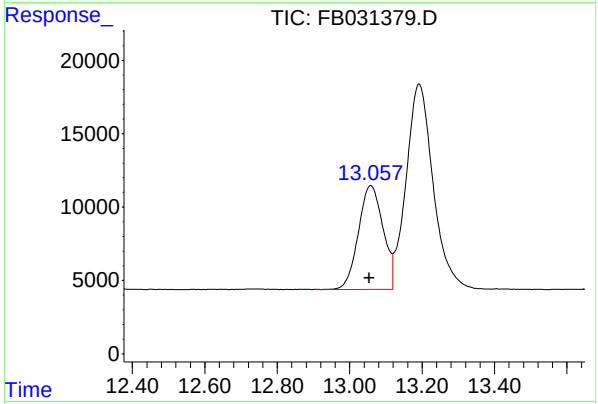
R.T.: 8.792 min
Delta R.T.: 0.002 min
Response: 471737
Conc: 19.78 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0129W2



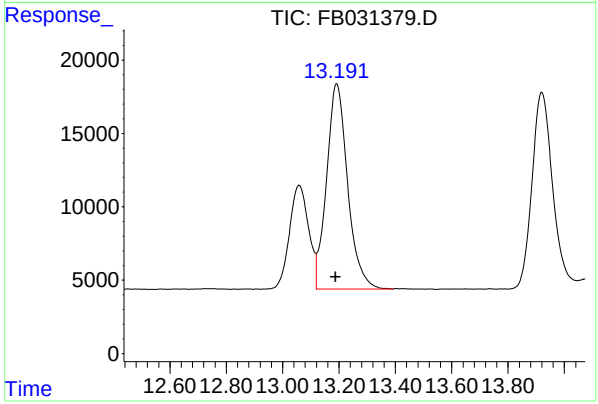
#6 Toluene

R.T.: 10.622 min
Delta R.T.: 0.004 min
Response: 1181797
Conc: 30.27 ng/ml



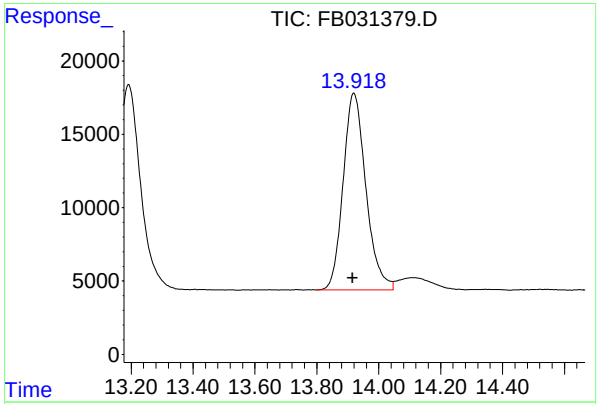
#7 Ethylbenzene

R.T.: 13.059 min
Delta R.T.: 0.004 min
Response: 334730
Conc: 9.67 ng/ml



#8 m-Xylene

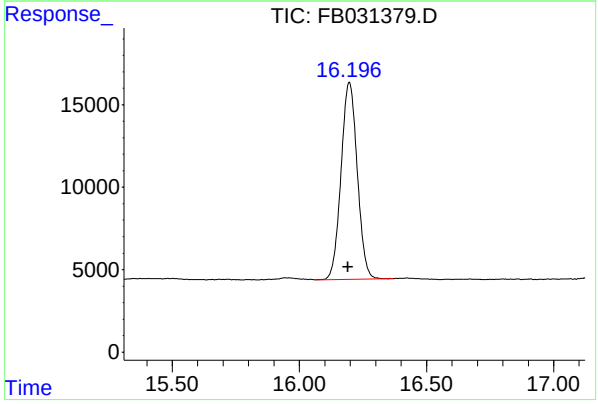
R.T.: 13.192 min
Delta R.T.: 0.004 min
Response: 726459
Conc: 19.43 ng/ml



#9 O-Xylene

R.T.: 13.920 min
Delta R.T.: 0.004 min
Response: 685788
Conc: 19.26 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0129W2



#10 1,2,4-Trimethylbenzene

R.T.: 16.197 min
Delta R.T.: 0.005 min
Response: 529864
Conc: 18.71 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB012925\
Data File : FB031379.D
Signal(s) : FID2B.CH
Acq On : 29 Jan 2025 19:54
Sample : BSF0129W2
Misc :
ALS Vial : 25 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	4.893	BV	12642	928063	78.53%	13.758%
2	7.420	7.179	7.644	BV	12630	1112515	94.14%	16.492%
3	7.753	7.644	7.821	VV	6160	345457	29.23%	5.121%
4	7.892	7.821	8.108	VV	7741	429258	36.32%	6.363%
5	8.792	8.623	8.999	PV	8235	471737	39.92%	6.993%
6	10.622	10.508	10.944	VV	22313	1181797	100.00%	17.519%
7	13.059	12.907	13.119	BV	7088	334730	28.32%	4.962%
8	13.192	13.119	13.393	VV	14004	726459	61.47%	10.769%
9	13.920	13.797	14.047	VV	13421	685788	58.03%	10.166%
10	16.197	16.065	16.368	PV	11961	529864	44.84%	7.855%

Sum of corrected areas: 6745669

FB011525.M Thu Jan 30 01:20:57 2025

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Manual Integration Report

Sample ID	ClientId ID	File ID	Sequence ID	Parameter	Supervised By	Supervised On	Reason
Q1207-17MS		FB031362.D	FB012925	2-Methylpentane	Ankita	1/30/2025 9:17:22 AM	Peak Integrated by Software incorrectly
Q1207-17MSD		FB031363.D	FB012925	2-Methylpentane	Ankita	1/30/2025 9:17:24 AM	Peak Integrated by Software incorrectly
20 PPB GRO STD		FB031368.D	FB012925	O-Xylene	Ankita	1/30/2025 9:17:25 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 # FB012925

Review By	yogesh	Review On	1/29/2025 11:32:03 AM		
Supervise By	Ankita	Supervise On	1/30/2025 9:17:31 AM		
SubDirectory	FB012925	HP Acquire Method		HP Processing Method	FB011525

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24113,PP24114,PP24115,PP24116,PP24117
CCC	PP24138,PP24139,PP24140,PP24141
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	FB031356.D	29 Jan 2025 8:39	YP/AJ	Ok
2	VBF0129S1	FB031357.D	29 Jan 2025 9:17	YP/AJ	Ok
3	VBF0129S2	FB031358.D	29 Jan 2025 9:44	YP/AJ	Ok
4	BSF0129S1	FB031359.D	29 Jan 2025 10:11	YP/AJ	Ok
5	Q1207-17	FB031360.D	29 Jan 2025 10:49	YP/AJ	Ok
6	Q1207-01	FB031361.D	29 Jan 2025 11:27	YP/AJ	Ok
7	Q1207-17MS	FB031362.D	29 Jan 2025 11:54	YP/AJ	Ok,M
8	Q1207-17MSD	FB031363.D	29 Jan 2025 12:20	YP/AJ	Ok,M
9	Q1207-05	FB031364.D	29 Jan 2025 12:47	YP/AJ	Ok
10	Q1207-09	FB031365.D	29 Jan 2025 13:14	YP/AJ	ReRun
11	Q1207-13	FB031366.D	29 Jan 2025 13:40	YP/AJ	Ok
12	BSF0129S2	FB031367.D	29 Jan 2025 14:07	YP/AJ	Ok
13	20 PPB GRO STD	FB031368.D	29 Jan 2025 14:34	YP/AJ	Ok,M
14	Q1206-01	FB031369.D	29 Jan 2025 15:01	YP/AJ	Ok
15	Q1206-05	FB031370.D	29 Jan 2025 15:28	YP/AJ	Ok
16	Q1207-09	FB031371.D	29 Jan 2025 15:54	YP/AJ	Ok
17	Q1207-09	FB031372.D	29 Jan 2025 16:21	YP/AJ	Not Ok
18	BSF0129S3	FB031373.D	29 Jan 2025 16:48	YP/AJ	Ok
19	20 PPB GRO STD	FB031374.D	29 Jan 2025 17:15	YP/AJ	Ok
20	VBF0129W1	FB031375.D	29 Jan 2025 18:08	YP/AJ	Ok
21	BSF0129W1	FB031376.D	29 Jan 2025 18:34	YP/AJ	Ok

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Fax : 908 789 8922

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QCBatch ID # FB012925

Review By	yogesh	Review On	1/29/2025 11:32:03 AM		
Supervise By	Ankita	Supervise On	1/30/2025 9:17:31 AM		
SubDirectory	FB012925	HP Acquire Method		HP Processing Method	FB011525

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24113,PP24114,PP24115,PP24116,PP24117
CCC	PP24138,PP24139,PP24140,PP24141
Internal Standard/PEM	
ICV/I.BLK	PP24111,PP24118
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1211-01	FB031377.D	29 Jan 2025 19:01	YP/AJ	Ok
23	Q1211-02	FB031378.D	29 Jan 2025 19:28	YP/AJ	Ok
24	BSF0129W2	FB031379.D	29 Jan 2025 19:54	YP/AJ	Ok
25	20 PPB GRO STD	FB031380.D	29 Jan 2025 20:21	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 # 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

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Fax : 908 789 8922

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QCBatch ID # FB012925

Review By	yogesh	Review On	1/29/2025 11:32:03 AM		
Supervise By	Ankita	Supervise On	1/30/2025 9:17:31 AM		
SubDirectory	FB012925	HP Acquire Method		HP Processing Method	FB011525

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24113,PP24114,PP24115,PP24116,PP24117
CCC	PP24138,PP24139,PP24140,PP24141
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		FB031356.D	29 Jan 2025 8:39		YP/AJ	Ok
2	VBF0129S1		FB031357.D	29 Jan 2025 9:17		YP/AJ	Ok
3	VBF0129S2		FB031358.D	29 Jan 2025 9:44		YP/AJ	Ok
4	BSF0129S1		FB031359.D	29 Jan 2025 10:11		YP/AJ	Ok
5	Q1207-17		FB031360.D	29 Jan 2025 10:49	vial-A	YP/AJ	Ok
6	Q1207-01		FB031361.D	29 Jan 2025 11:27	vial-A	YP/AJ	Ok
7	Q1207-17MS		FB031362.D	29 Jan 2025 11:54	vial-A	YP/AJ	Ok,M
8	Q1207-17MSD		FB031363.D	29 Jan 2025 12:20	vial-A	YP/AJ	Ok,M
9	Q1207-05		FB031364.D	29 Jan 2025 12:47	vial-A	YP/AJ	Ok
10	Q1207-09		FB031365.D	29 Jan 2025 13:14	vial-A ,surrogate fail	YP/AJ	ReRun
11	Q1207-13		FB031366.D	29 Jan 2025 13:40	vial-A	YP/AJ	Ok
12	BSF0129S2		FB031367.D	29 Jan 2025 14:07		YP/AJ	Ok
13	20 PPB GRO STD		FB031368.D	29 Jan 2025 14:34		YP/AJ	Ok,M
14	Q1206-01		FB031369.D	29 Jan 2025 15:01	vial-A	YP/AJ	Ok
15	Q1206-05		FB031370.D	29 Jan 2025 15:28	vial-A	YP/AJ	Ok
16	Q1207-09		FB031371.D	29 Jan 2025 15:54	vial-B	YP/AJ	Ok
17	Q1207-09		FB031372.D	29 Jan 2025 16:21	vial-C ,not required	YP/AJ	Not Ok
18	BSF0129S3		FB031373.D	29 Jan 2025 16:48		YP/AJ	Ok

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Fax : 908 789 8922

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QCBatch ID # FB012925

Review By	yogesh	Review On	1/29/2025 11:32:03 AM		
Supervise By	Ankita	Supervise On	1/30/2025 9:17:31 AM		
SubDirectory	FB012925	HP Acquire Method		HP Processing Method	FB011525

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24113,PP24114,PP24115,PP24116,PP24117
CCC	PP24138,PP24139,PP24140,PP24141
Internal Standard/PEM	
ICV/I.BLK	PP24111,PP24118
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	20 PPB GRO STD		FB031374.D	29 Jan 2025 17:15		YP/AJ	Ok
20	VBF0129W1		FB031375.D	29 Jan 2025 18:08		YP/AJ	Ok
21	BSF0129W1		FB031376.D	29 Jan 2025 18:34		YP/AJ	Ok
22	Q1211-01		FB031377.D	29 Jan 2025 19:01		YP/AJ	Ok
23	Q1211-02		FB031378.D	29 Jan 2025 19:28		YP/AJ	Ok
24	BSF0129W2		FB031379.D	29 Jan 2025 19:54		YP/AJ	Ok
25	20 PPB GRO STD		FB031380.D	29 Jan 2025 20:21		YP/AJ	Ok

M : Manual Integration

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Prep Standard - Chemical Standard Summary

Order ID : Q1211

Test : Gasoline Range Organics

Prepbatch ID :

Sequence ID/Qc Batch ID: FB012925,

Standard ID :
PP24110,PP24111,PP24112,PP24113,PP24114,PP24115,PP24116,PP24117,PP24118,PP24138,PP24139,PP24140,PP24141,

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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Fax : 908 789 8922

Pest/Pcb STANDARD PREPARATION LOG

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

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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
238	5 PPB ICC GRO STD	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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Fax : 908 789 8922

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
237	10 PPB ICC GRO STD	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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Fax : 908 789 8922

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
235	50 PPB ICC GRO STD	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	PP24138	01/29/2025	07/13/2025	Yogesh Patel	None	None	Ankita Jodhani 01/31/2025

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

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	PP24139	01/29/2025	07/13/2025	Yogesh Patel	None	None	Ankita Jodhani 01/31/2025

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	PP24140	01/29/2025	07/13/2025	Yogesh Patel	None	None	Ankita Jodhani 01/31/2025

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	PP24141	01/29/2025	07/13/2025	Yogesh Patel	None	None	Ankita Jodhani 01/31/2025

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)

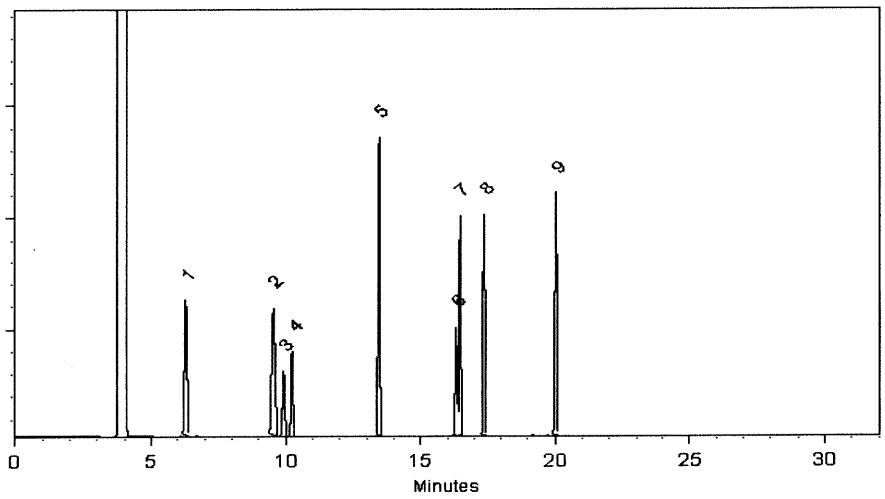
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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 - 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

Q1211

Weston COC ID
Weston_20250128_1605

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:	Yazmeen Gomez
TAT (days):	21	Lab Phone:	908-728-3144
Lab Address:	284 Sheffield Street Mountainside, NJ 07092		

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

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

#	Sample ID	G/C	Matrix	# Cont	MS/MSD	Date Collected	Time Collected	DRO by EPA 8015D	Pesticides by EPA 8081B	SVOCs by EPA 8270E	O&G by EPA 1664A	Hardness by EPA 200	Anions by EPA 9056A	TOC by EPA 9060A/Lloyd Kahn	GRO by EPA 8015D	VOCs by EPA 8260D	Hex Cr by EPA	Ammonia by SM4500-NH3 B P	Metals w Hg by EPA 6020B/7470A	Special Instructions/Comments
	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	Ice to 0-6	Ice to 0-6	H2SO4 to <	HNO3 to pH	Ice to 0-6	H2SO4 to <	HCL to PH	HCL to Ph	Ammonium	H2SO4; Ice	HNO3 to pH	
1	TAPHHA-MW01-012825-00-T4	g	GW	19	no	1/28/2025	12:00	X	X	X	X	X	X	X	X	X	X	X	X	
2	TAPIAL2-MW03-012825-00-T3	g	GW	19	no	1/28/2025	14:55	X	X	X	X	X	X	X	X	X	X	X	X	
3	TAP-TB-02-012825-T4	g	W	2	no	1/28/2025	12:05									X				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

Shipping Airbill Number: 771732954230, 771732954240

Cooler Number: 1/2 of 2

	Relinquished By	Date	Time	Received By	Date	Time
1.)		1/28/25	1710		1-29-25	10:00
2.)						
3.)						

Additional Comments:

QSM 6.0 Compliant

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

2.1°C, 2.8°C

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 : Q1211 WEST04
Client Name : Weston Solutions
Client Contact : Nathan Fretz
Invoice Name : Weston Solutions
Invoice Contact : Nathan Fretz

Order Date : 1/29/2025 10:10:00 AM
Project Name : Ft Meade Tipton Airfield Pa
Receive DateTime : 1/29/2025 10:00:00 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
Q1211-01	~~TPHHA~~-MW01-012825-00-T4 TAPHHA YG 02/04/25	Water	01/28/2025	12:00						
					VOC-TCLVOA-10		8260D	10 Bus. Days		
Q1211-02	TAPIAL2-MW03-012825-00-T3	Water	01/28/2025	14:55						
					VOC-TCLVOA-10		8260D	10 Bus. Days		
Q1211-03	TAP-TB-02-012825-T4	Water	01/28/2025	12:05						
					VOC-TCLVOA-10		8260D	10 Bus. Days		

Relinquished By : [signature]
Date / Time : 1-29-25 1126

Received By : [signature]
Date / Time : 1/29/25 11:25 Ag#5

Storage Area : VOA Refridgerator Room