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

DATA PACKAGE

GC SEMI-VOLATILES

PROJECT NAME : NJ WASTE WATER PT

ALLIANCE TECHNICAL GROUP, LLC - NEWARK

284 Sheffiled Stree

Suite 1

Mountainside, NJ - 07092

Phone No: 908-789-8900

ORDER ID : Q1502

ATTENTION : Mohammad Ahmed

Laboratory Certification ID # 20012

Table Of Contents for Q1502

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Cover Page

Order ID : Q1502

Project ID : NJ Waste Water PT

Client : Alliance Technical Group, LLC - Newark

Lab Sample Number	Client Sample Number
Q1502-01	PT-VOA-WP
Q1502-02	PT-VOA-WP
Q1502-03	PT-BN-WP
Q1502-04	PT-BN-WP
Q1502-05	PT-BN-WP
Q1502-06	PT-ACIDS-WP
Q1502-07	PT-ACIDS-WP
Q1502-08	PT-ACIDS-WP
Q1502-09	PT-PEST-WP
Q1502-10	PT-PEST-WP
Q1502-11	PT-CHLR-WP
Q1502-12	PT-CHLR-WP
Q1502-13	PT-TXP-WP
Q1502-14	PT-TXP-WP
Q1502-15	PT-PCBW-WP
Q1502-16	PT-PCBW-WP
Q1502-17	PT-HERB-WP
Q1502-18	RR-GAS-WP
Q1502-19	RR-DIES-WP
Q1502-20	RR-8011-WP
Q1502-21	RR-PAH-WP
Q1502-22	RR-TRIAZINE-WP

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

Signature : _____

Date: 4/9/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

CASE NARRATIVE

Alliance Technical Group, LLC - Newark
Project Name: NJ Waste Water PT
Project # N/A
Chemtech Project # Q1502
Test Name: Gasoline Range Organics

A. Number of Samples and Date of Receipt:
21 Water samples were received on 03/05/2025.
1 Water sample was received on 03/11/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Diesel Range Organics, Gasoline Range Organics, Herbicide group1, PCB, PESTICIDE Group1, PESTICIDE Group2, PESTICIDE Group3, SVOCMS Group1, SVOCMS Group2, SVOCMS Group3, SVOCMS Group4, SVOCMS Group5, SVOCMS Group6, VOCGC Group 1 and VOCMS Group1. This data package contains results for Gasoline Range Organics.

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

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

Samples RR-GAS-WP was diluted due to bad matrix, The above sample original run is reported as screening data in miscellaneous data.

E. Additional Comments:

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

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

Signature_____

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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: Q1502 MATRIX: Water

METHOD: 8015D/3510

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

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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

		NA	NO	YES
9.	Analysis Holding Time Met		✓	

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

The Holding Times were met for all analysis.

ADDITIONAL COMMENTS:

Samples RR-GAS-WP was diluted due to bad matrix, The above sample original run is reported as screening data in miscellaneous data.

_____ _____

QA REVIEW Date

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1502

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

QA Review Signature: MOHAMMAD AHMED **Date:** 04/09/2025

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LAB CHRONICLE

OrderID:	Q1502	**OrderDate:**	3/6/2025 10:04:07 AM
Client:	Alliance Technical Group, LLC - Newark	**Project:**	NJ Waste Water PT
Contact:	Mohammad Ahmed	**Location:**	QA Office,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1502-09	**PT-PEST-WP**	**WATER**			**03/03/25**			**03/05/25**
			PESTICIDE Group1	8081B		03/11/25	03/11/25	
Q1502-09DL	**PT-PEST-WPDL**	**WATER**			**03/03/25**			**03/05/25**
			PESTICIDE Group1	8081B		03/11/25	03/12/25	
Q1502-09DL2	**PT-PEST-WPDL2**	**WATER**			**03/03/25**			**03/05/25**
			PESTICIDE Group1	8081B		03/11/25	03/12/25	
Q1502-15	**PT-PCBW-WP**	**WATER**			**03/03/25**			**03/05/25**
			PCB	8082A		03/11/25	03/12/25	
Q1502-18	**RR-GAS-WP**	**Water**			**03/03/25**			**03/05/25**
			Gasoline Range Organics	8015D			03/11/25	
Q1502-19	**RR-DIES-WP**	**Water**			**03/03/25**			**03/05/25**
			Diesel Range Organics	8015D		03/12/25	03/12/25	
Q1502-20	**RR-8011-WP**	**WATER**			**03/03/25**			**03/05/25**
			VOCGC Group 1	8011		03/12/25	03/12/25	
Q1502-20DL	**RR-8011-WPDL**	**WATER**			**03/03/25**			**03/05/25**
			VOCGC Group 1	8011		03/12/25	03/12/25	

QC SUMMARY

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WATER GASOLINE RANGE ORGANICS SURROGATE RECOVERY

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

Lab Code: CHEM Case No.: Q1502 SAS No.: Q1502 SDG No.: Q1502

EPA SAMPLE NO.	S1 AAA-TFT	S2	S3	S4	TOT OUT
VBF0311W1	99				0
BSF0311W1	85				0
BSF0311W2	88				0
RR-GAS-WP	130				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:** Alliance Technical Group, LLC - Newark

Lab Code: CHEM **Cas No:** Q1502 **SAS No :** Q1502 **SDG No:** Q1502

Matrix Spike - EPA Sample No : BSF0311W1 **Datafile:** FB031578.D

COMPOUND	SPIKE ADDED ug/L	CONCENTRATION ug/L	LCS/LCSD CONCENTRATION ug/L	% REC	QC LIMITS
GRO	180	0	164	91	50-150

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

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

Lab Code: CHEM **Cas No:** Q1502 **SAS No :** Q1502 **SDG No:** Q1502

Matrix Spike - EPA Sample No : BSF0311W2 **Datafile:** FB031579.D

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

LCS/LCSD % Recovery RPD : 6.0

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METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBF0311W1

Lab Name: CHEMTECH Contract: ALLI03

Lab Code: CHEM Case No.: Q1502 SAS No.: Q1502 SDG NO.: Q1502

Lab File ID: FB031577.D Lab Sample ID: VBF0311W1

Date Analyzed: 03/11/25 Time Analyzed: 14:19

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
BSF0311W1	BSF0311W1	FB031578.D	03/11/25
BSF0311W2	BSF0311W2	FB031579.D	03/11/25
RR-GAS-WP	Q1502-18	FB031582.D	03/11/25

COMMENTS:

SAMPLE DATA

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Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	03/03/25
Project:	NJ Waste Water PT	Date Received:	03/05/25
Client Sample ID:	RR-GAS-WP	SDG No.:	Q1502
Lab Sample ID:	Q1502-18	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
FB031582.D	5	03/11/25 16:53	FB031125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
GRO	GRO	1440		32.0	225	ug/L
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	26.0		50 - 150	130%	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\FB031125\
Data File : FB031582.D
Signal(s) : FID2B.CH
Acq On : 11 Mar 2025 16:53
Operator : YP/AJ
Sample : Q1502-18 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
RR-GAS-WP

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/13/2025
Supervised By :mohammad ahmed 04/10/2025

Integration File: Calibration.e
Quant Time: Mar 13 08:09:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
Quant Title :
QLast Update : Thu Mar 06 13:17:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
5) s	AAA-TFT	8.805	589244	26.021 ng/mlm
	Target Compounds			
1) t	2-Methylpentane	4.721	128388	5.048 ng/mlm
2) t	2,2,4-Trimethylpentane	7.398	358870	10.351 ng/mlm
3) t	n-Heptane	7.757	510762	16.500 ng/mlm
4) t	Benzene	7.887	102882	2.434 ng/mlm
6) t	Toluene	10.625	1466602	37.076 ng/ml
7) t	Ethylbenzene	13.060	426574	12.094 ng/ml
8) t	m-Xylene	13.193	1410208	36.584 ng/ml
9) t	O-Xylene	13.923	552378	14.968 ng/ml
10) t	1,2,4-Trimethylbenzene	16.199	487345	17.248 ng/ml

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

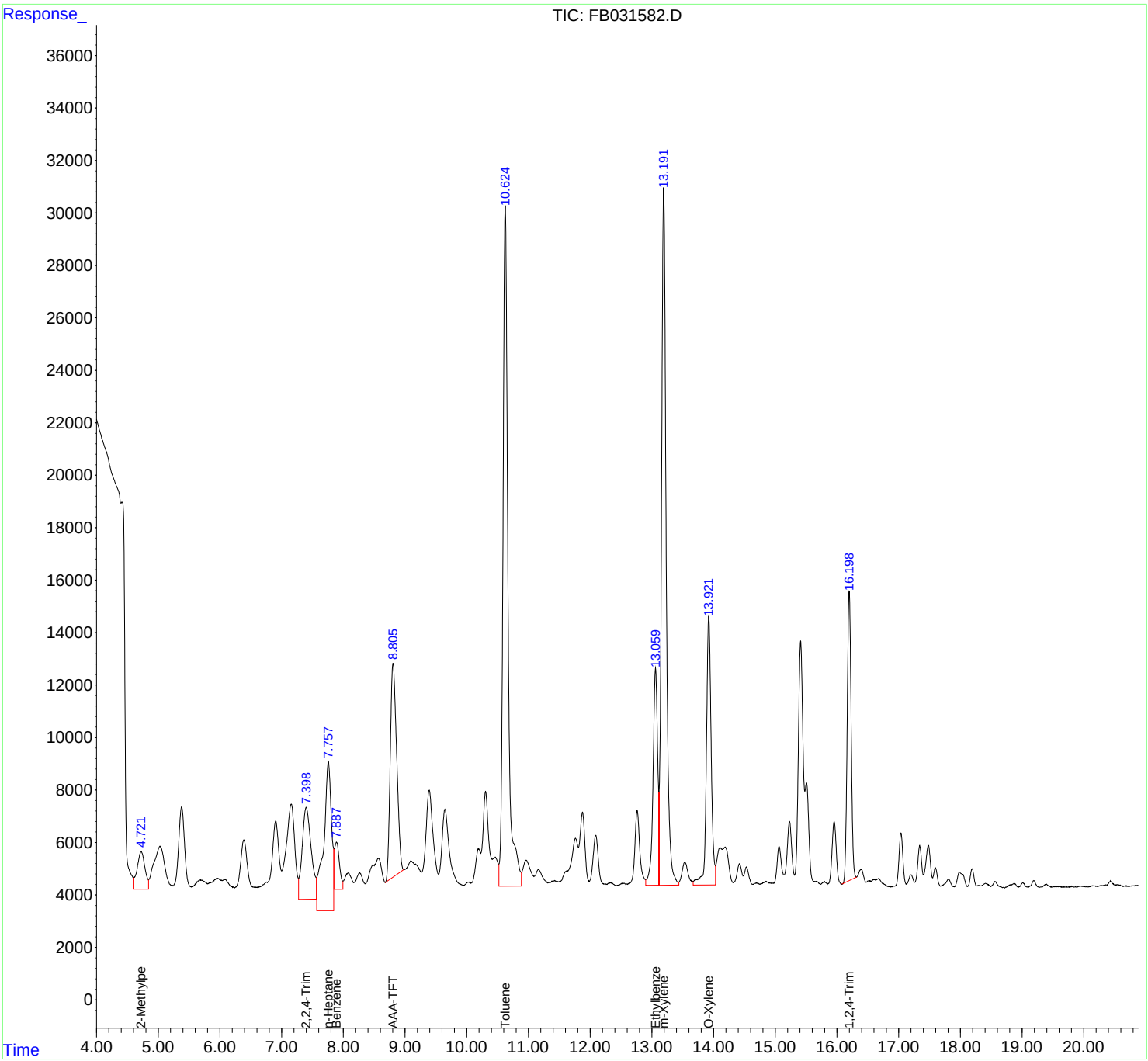
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB031125\
Data File : FB031582.D
Signal(s) : FID2B.CH
Acq On : 11 Mar 2025 16:53
Operator : YP/AJ
Sample : Q1502-18 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

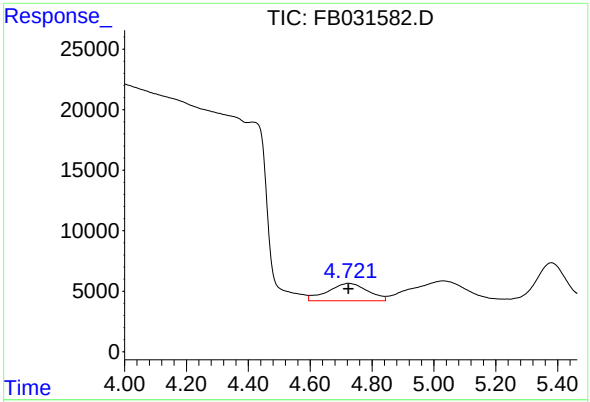
Integration File: Calibration.e
Quant Time: Mar 13 08:09:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
Quant Title :
QLast Update : Thu Mar 06 13:17:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_B
ClientSampleId :
RR-GAS-WP

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/13/2025
Supervised By :mohammad ahmed 04/10/2025





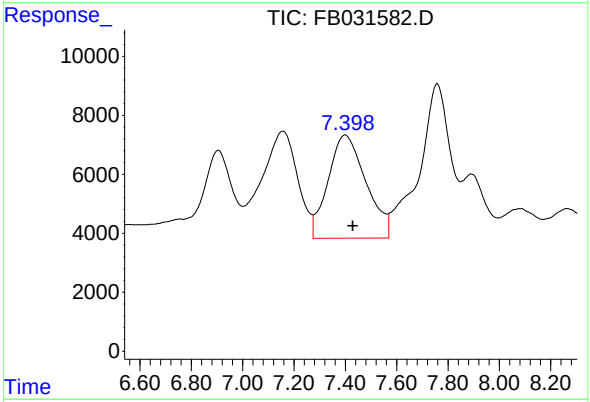
#1 2-Methylpentane

R.T.: 4.721 min
Delta R.T.: -0.003 min
Response: 128388
Conc: 5.05 ng/ml

Instrument :
FID_B
ClientSampleId :
RR-GAS-WP

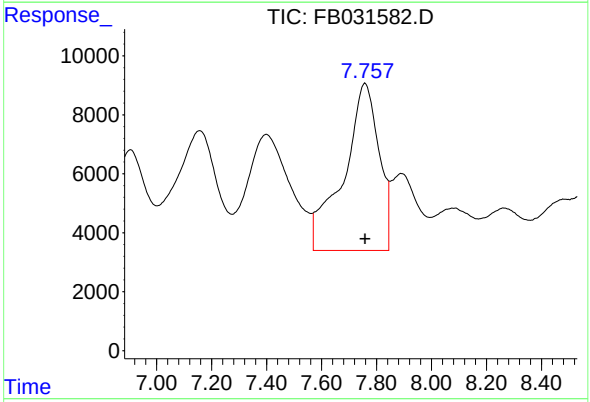
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/13/2025
Supervised By :mohammad ahmed 04/10/2025



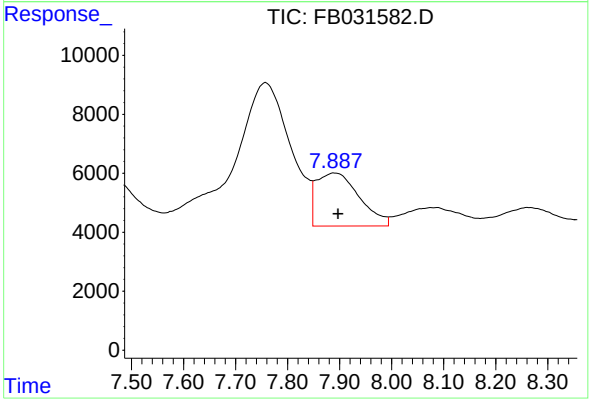
#2 2,2,4-Trimethylpentane

R.T.: 7.398 min
Delta R.T.: -0.030 min
Response: 358870
Conc: 10.35 ng/ml m



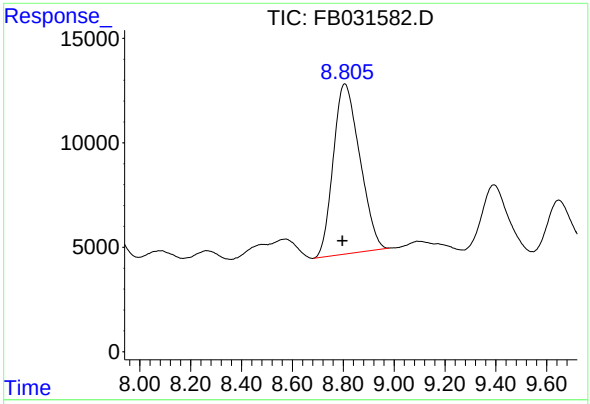
#3 n-Heptane

R.T.: 7.757 min
Delta R.T.: -0.002 min
Response: 510762
Conc: 16.50 ng/ml m



#4 Benzene

R.T.: 7.887 min
Delta R.T.: -0.010 min
Response: 102882
Conc: 2.43 ng/ml m



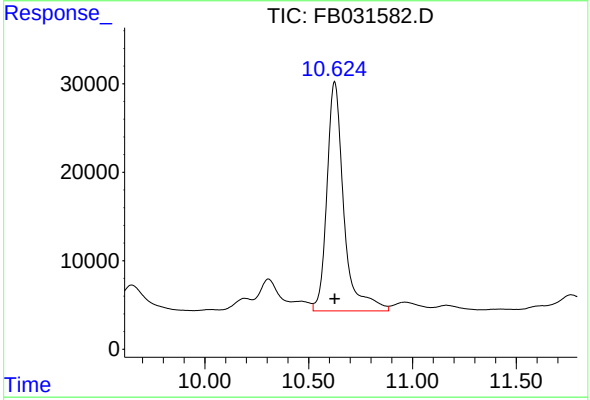
#5 AAA-TFT

R.T.: 8.805 min
Delta R.T.: 0.009 min
Response: 589244
Conc: 26.02 ng/ml

Instrument :
FID_B
ClientSampleId :
RR-GAS-WP

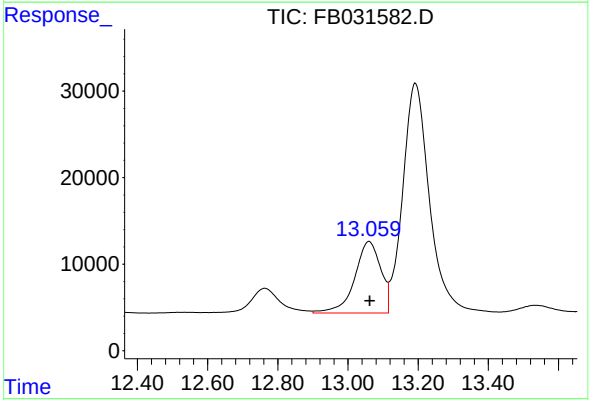
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/13/2025
Supervised By :mohammad ahmed 04/10/2025



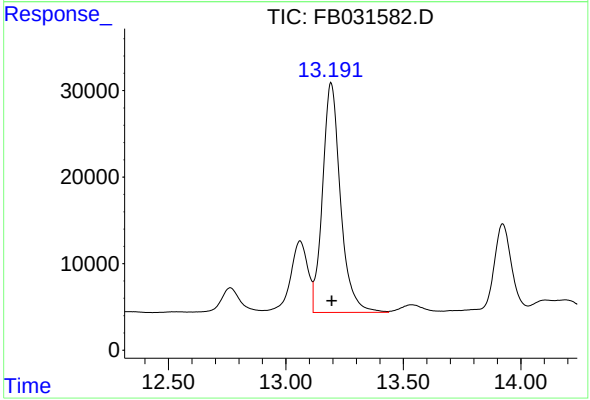
#6 Toluene

R.T.: 10.625 min
Delta R.T.: 0.000 min
Response: 1466602
Conc: 37.08 ng/ml



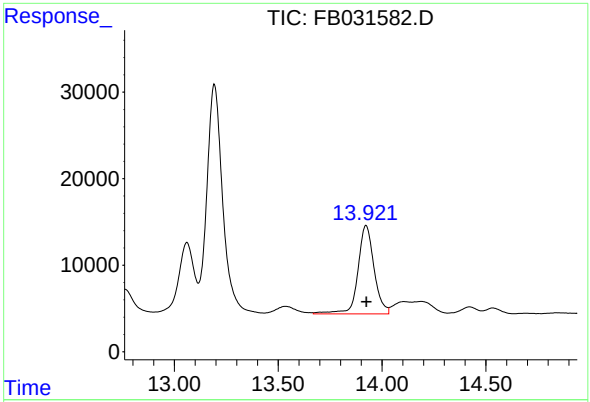
#7 Ethylbenzene

R.T.: 13.060 min
Delta R.T.: -0.002 min
Response: 426574
Conc: 12.09 ng/ml



#8 m-Xylene

R.T.: 13.193 min
Delta R.T.: -0.003 min
Response: 1410208
Conc: 36.58 ng/ml



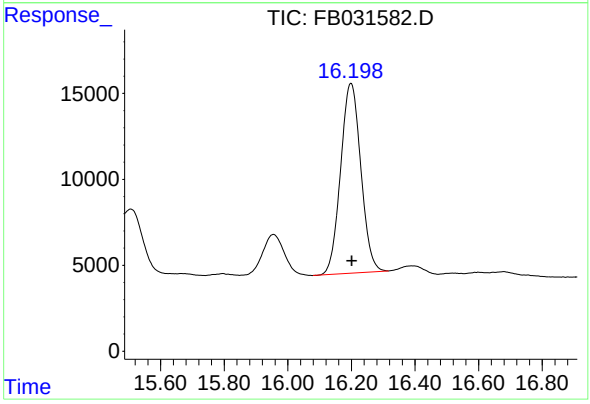
#9 O-Xylene

R.T.: 13.923 min
Delta R.T.: -0.002 min
Response: 552378
Conc: 14.97 ng/ml

Instrument :
FID_B
ClientSampleId :
RR-GAS-WP

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/13/2025
Supervised By :mohammad ahmed 04/10/2025



#10 1,2,4-Trimethylbenzene

R.T.: 16.199 min
Delta R.T.: -0.002 min
Response: 487345
Conc: 17.25 ng/ml

Instrument :
FID_B
ClientSampleId :
RR-GAS-WP

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/13/2025
Supervised By :mohammad ahmed 04/10/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB03112
Data File : FB031582.D
Signal(s) : FID2B.CH
Acq On : 11 Mar 2025 16:53
Sample : Q1502-18 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: SAMPLE.e

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

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.723	4.604	4.843	PH	1083	74994	5.08%	0.741%
2	5.676	5.538	5.702	PV	274	14954	1.01%	0.148%
3	5.711	5.702	5.797	VV	274	12307	0.83%	0.122%
4	5.806	5.797	5.815	VV	148	1484	0.10%	0.015%
5	5.829	5.815	5.836	VV	171	2093	0.14%	0.021%
6	5.966	5.836	6.037	VV	356	33434	2.26%	0.330%
7	6.072	6.037	6.080	VV	320	7572	0.51%	0.075%
8	6.090	6.080	6.187	VV	324	11972	0.81%	0.118%
9	6.195	6.187	6.218	VV	50	676	0.05%	0.007%
10	6.226	6.218	6.241	VV	37	292	0.02%	0.003%
11	6.389	6.241	6.583	PV	1832	128194	8.68%	1.267%
12	6.600	6.583	6.608	VV	25	301	0.02%	0.003%
13	6.757	6.608	6.772	VV	223	10418	0.71%	0.103%
14	7.157	7.002	7.276	VV	3193	285436	19.32%	2.820%
15	7.400	7.276	7.563	VV	3070	280595	19.00%	2.772%
16	7.758	7.563	7.851	VV	4808	370791	25.10%	3.664%
17	7.891	7.851	7.996	VV	1735	96120	6.51%	0.950%
18	8.083	7.996	8.172	VV	557	42310	2.86%	0.418%
19	8.263	8.172	8.361	VV	566	40232	2.72%	0.398%
20	8.484	8.361	8.503	VV	861	48767	3.30%	0.482%
21	8.573	8.503	8.682	VV	1121	82932	5.61%	0.819%
22	8.806	8.682	8.985	VV	8552	669840	45.35%	6.618%
23	9.096	8.985	9.274	VV	1009	142726	9.66%	1.410%
24	9.393	9.274	9.547	VV	3716	309229	20.93%	3.055%
25	9.648	9.547	9.951	VV	2985	257179	17.41%	2.541%
26	10.031	9.951	10.069	VV	207	11324	0.77%	0.112%
27	10.191	10.069	10.229	VV	1480	83469	5.65%	0.825%
28	10.306	10.229	10.418	VV	3664	246484	16.69%	2.435%
29	10.464	10.418	10.521	VV	1155	65630	4.44%	0.648%
30	10.625	10.521	10.885	VV	25981	1477125	100.00%	14.595%
31	10.963	10.885	11.092	VV	1040	93391	6.32%	0.923%
32	11.163	11.092	11.354	VV	696	63659	4.31%	0.629%
33	11.427	11.354	11.506	VV	258	20675	1.40%	0.204%
34	11.763	11.506	11.810	VV	1876	169755	11.49%	1.677%
35	11.877	11.810	11.984	VV	2869	170218	11.52%	1.682%
36	12.091	11.984	12.266	VV	1982	126781	8.58%	1.253%

Instrument :
FID_B
ClientSampleId :
RR-GAS-WP

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/13/2025
Supervised By :mohammad ahmed 04/10/2025

rteres

37	12.335	12.266	12.431	VV	170	12558	0.85%	0.124%
38	12.534	12.431	12.605	VV	159	12205		
39	12.763	12.605	12.900	VV	2927	175679	11	
40	13.060	12.900	13.116	VV	8353	436215	29	
41	13.193	13.116	13.436	VV	26625	1424540	96	
42	13.535	13.436	13.668	VV	959	72345	4	
43	13.923	13.668	14.032	VV	10328	570248	38.61%	5.634%
44	14.106	14.032	14.143	VV	1511	85841	5.81%	0.848%
45	14.189	14.143	14.317	VV	1529	104707	7.09%	1.035%
46	14.421	14.317	14.482	VV	894	52469	3.55%	0.518%
47	14.533	14.482	14.646	VV	766	41996	2.84%	0.415%
48	14.699	14.646	14.769	VV	157	9672	0.65%	0.096%
49	14.839	14.769	14.980	VV	208	20821	1.41%	0.206%
50	15.063	14.980	15.144	VV	1544	81680	5.53%	0.807%
51	15.231	15.144	15.314	VV	2500	136543	9.24%	1.349%
52	15.412	15.314	15.481	VV	9372	500506	33.88%	4.945%
53	15.507	15.481	15.651	VV	3972	173501	11.75%	1.714%
54	15.667	15.651	15.740	VV	219	8967	0.61%	0.089%
55	15.796	15.740	15.849	VV	220	10398	0.70%	0.103%
56	15.955	15.849	16.079	VV	2499	127358	8.62%	1.258%
57	16.199	16.079	16.319	VV	11289	521974	35.34%	5.157%
58	16.391	16.319	16.474	VV	661	43819	2.97%	0.433%
59	16.520	16.474	16.555	VV	239	10541	0.71%	0.104%
60	16.599	16.555	16.636	VV	294	12753	0.86%	0.126%
61	16.678	16.636	16.894	VV	324	20139	1.36%	0.199%

Sum of corrected areas: 10120831

FB030625.M Wed Mar 12 04:09:31 2025

CALIBRATION SUMMARY

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

GASOLINE RANGE ORGANICS INITIAL CALIBRATION SUMMARY

Lab Name: Chemtech Contract: ALLI03

ProjectID: NJ Waste Water PT

Lab Code: CHEM Case No.: Q1502 SAS No.: Q1502 SDG No.: Q1502

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

AVG RF : 34160 **% RSD : 9.803** **AVG RT : 8.7964**

Quantitation Report (QT Reviewed)

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

Instrument :
FID_B
ClientSampleId :
10 GRO STD

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

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
5) s	AAA-TFT	8.796	231005	9.583	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.724	362488	14.086	ng/ml
2) t	2,2,4-Trimethylpentane	7.425	471954	13.446	ng/ml
3) t	n-Heptane	7.757	137044	4.462	ng/ml
4) t	Benzene	7.896	192294	4.460	ng/ml
6) t	Toluene	10.624	525311	13.296	ng/ml
7) t	Ethylbenzene	13.061	156539	4.483	ng/ml
8) t	m-Xylene	13.194	340780	8.922	ng/ml
9) t	O-Xylene	13.922	343956	9.366	ng/ml
10) t	1,2,4-Trimethylbenzene	16.199	259731	9.244	ng/ml

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

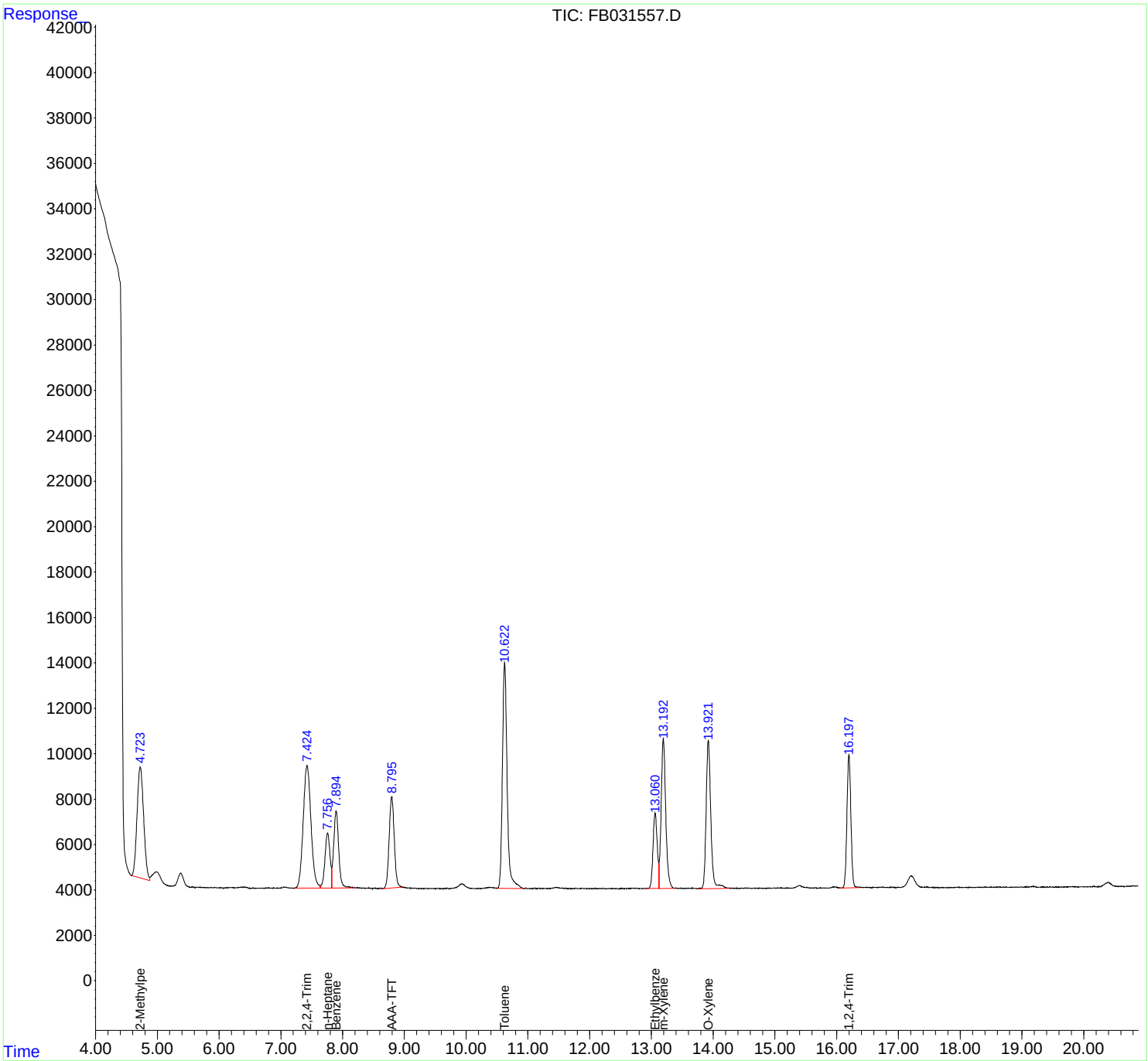
Quantitation Report (QT Reviewed)

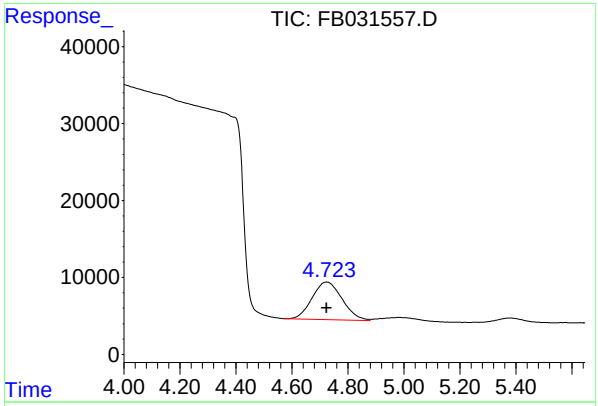
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB030625\
Data File : FB031557.D
Signal(s) : FID2B.CH
Acq On : 6 Mar 2025 10:20
Operator : YP/AJ
Sample : 10 GRO STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
10 GRO STD

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

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

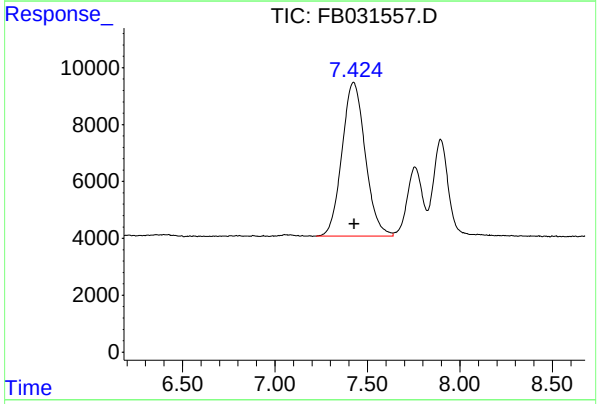




#1 2-Methylpentane

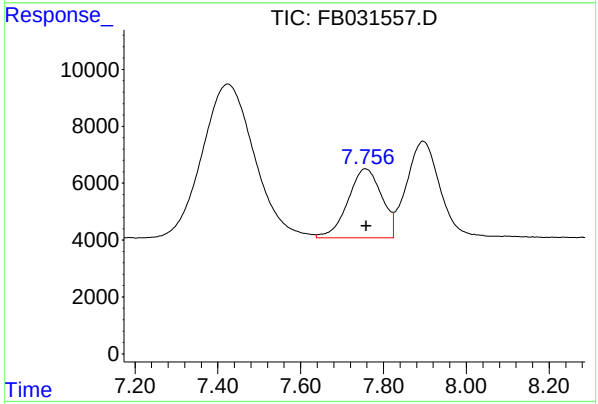
R.T.: 4.724 min
Delta R.T.: 0.000 min
Response: 362488
Conc: 14.09 ng/ml

Instrument :
FID_B
ClientSampleId :
10 GRO STD



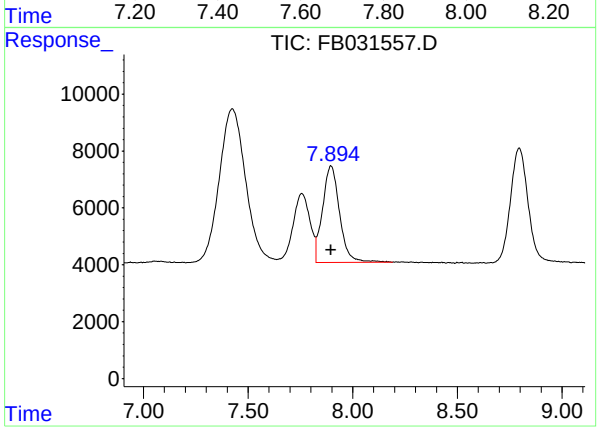
#2 2,2,4-Trimethylpentane

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



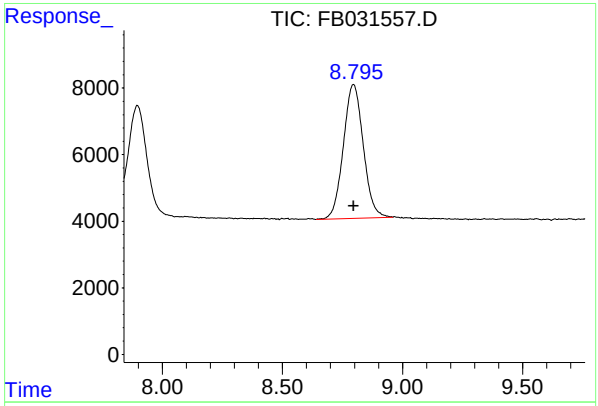
#3 n-Heptane

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



#4 Benzene

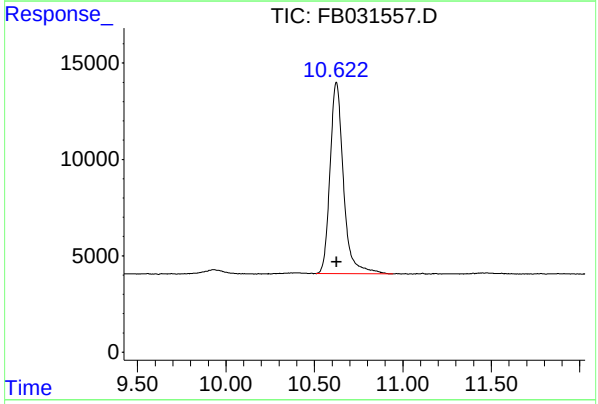
R.T.: 7.896 min
Delta R.T.: -0.001 min
Response: 192294
Conc: 4.46 ng/ml



#5 AAA-TFT

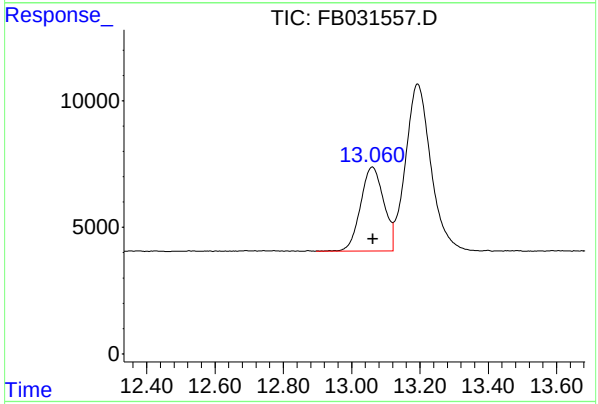
R.T.: 8.796 min
Delta R.T.: 0.000 min
Response: 231005
Conc: 9.58 ng/ml

Instrument :
FID_B
ClientSampleId :
10 GRO STD



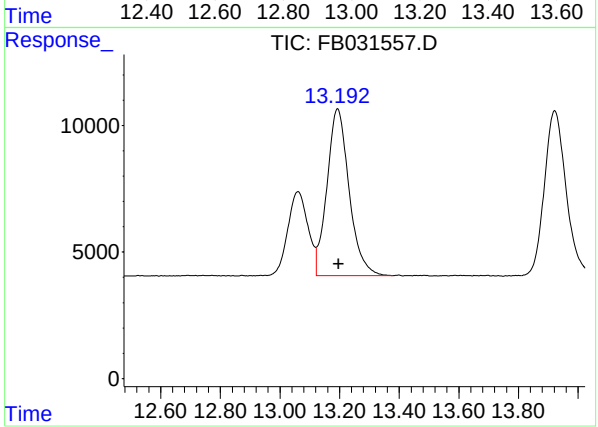
#6 Toluene

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



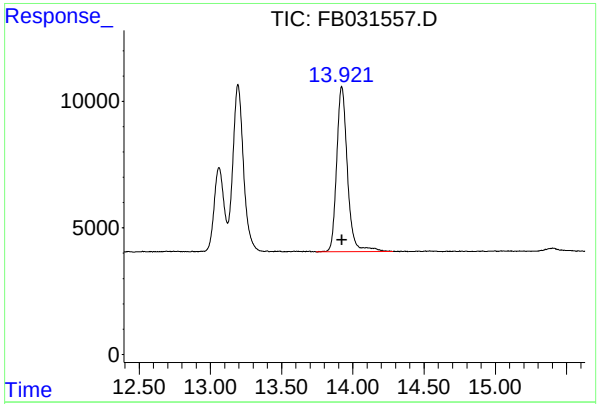
#7 Ethylbenzene

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



#8 m-Xylene

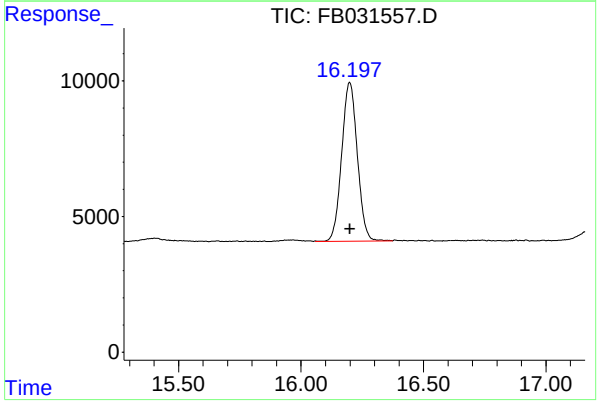
R.T.: 13.194 min
Delta R.T.: -0.002 min
Response: 340780
Conc: 8.92 ng/ml



#9 O-Xylene

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

Instrument :
FID_B
ClientSampleId :
10 GRO STD



#10 1,2,4-Trimethylbenzene

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

rteres

Area Percent Report

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

Integration File: Calibration.e

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

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.724	4.571	4.879	BV	4881	362488	69.00%	11.999%
2	7.425	7.222	7.638	PV	5411	471954	89.84%	15.622%
3	7.757	7.638	7.824	VV	2424	137044	26.09%	4.536%
4	7.896	7.824	8.192	VV	3393	192294	36.61%	6.365%
5	8.796	8.640	8.960	PV	4018	231005	43.97%	7.646%
6	10.624	10.510	10.944	PV	9940	525311	100.00%	17.388%
7	13.061	12.896	13.121	BV	3325	156539	29.80%	5.182%
8	13.194	13.121	13.380	VV	6601	340780	64.87%	11.280%
9	13.922	13.742	14.282	BB	6531	343956	65.48%	11.385%
10	16.199	16.060	16.375	BV	5850	259731	49.44%	8.597%

Sum of corrected areas: 3021101

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

Quantitation Report (QT Reviewed)

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

Instrument :
FID_B
ClientSampleId :
20 GRO STD

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

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
5) s	AAA-TFT	8.796	482106	20.000	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.724	771999	30.000	ng/ml
2) t	2,2,4-Trimethylpentane	7.428	1053033	30.000	ng/ml
3) t	n-Heptane	7.758	307158	10.000	ng/ml
4) t	Benzene	7.897	431196	10.000	ng/ml
6) t	Toluene	10.625	1185227	30.000	ng/ml
7) t	Ethylbenzene	13.062	349215	10.000	ng/ml
8) t	m-Xylene	13.196	763933	20.000	ng/ml
9) t	O-Xylene	13.925	734501	20.000	ng/ml
10) t	1,2,4-Trimethylbenzene	16.201	561967	20.000	ng/ml

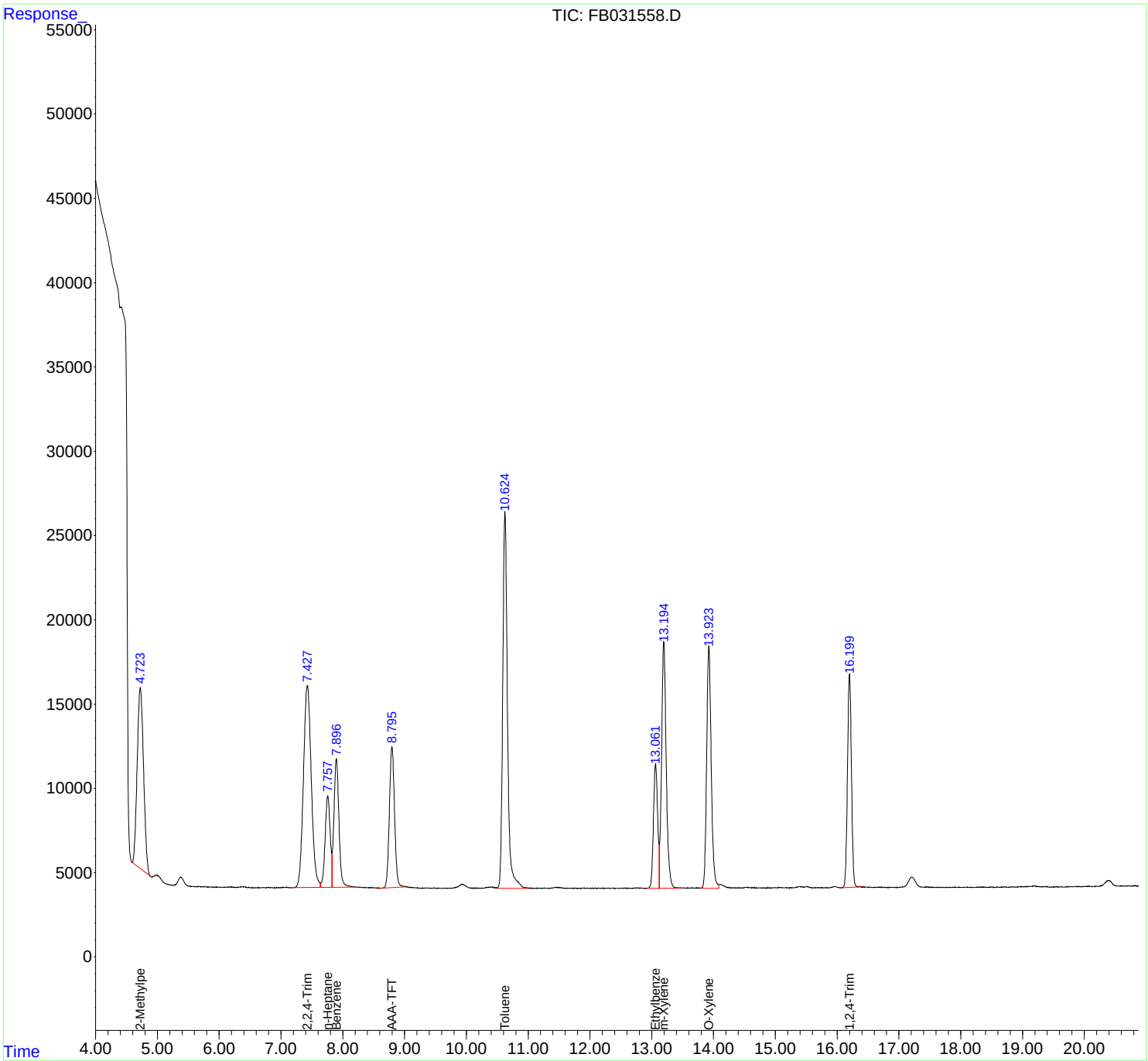
(f)=RT Delta > 1/2 Window (m)=manual int.

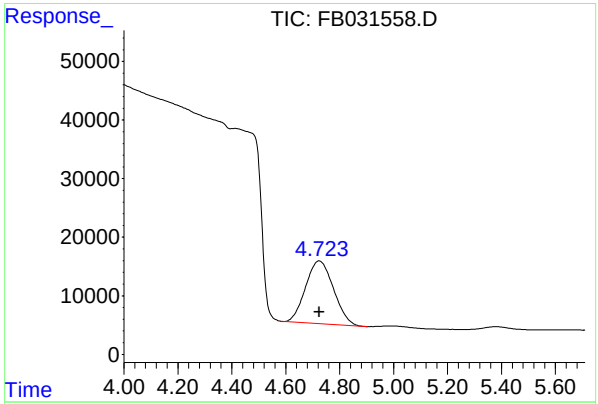
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB030625\
Data File : FB031558.D
Signal(s) : FID2B.CH
Acq On : 6 Mar 2025 10:48
Operator : YP/AJ
Sample : 20 GRO STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 GRO STD

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

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

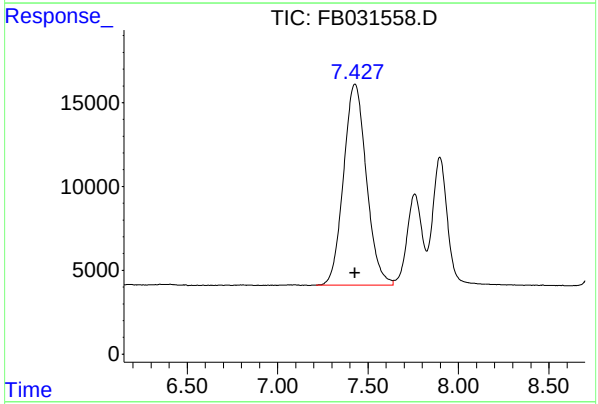




#1 2-Methylpentane

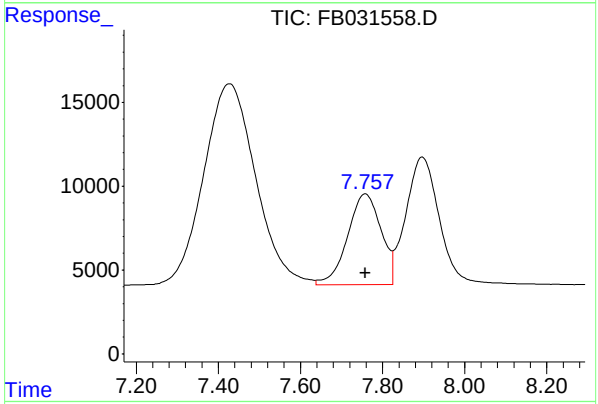
R.T.: 4.724 min
Delta R.T.: 0.000 min
Response: 771999
Conc: 30.00 ng/ml

Instrument :
FID_B
ClientSampleId :
20 GRO STD



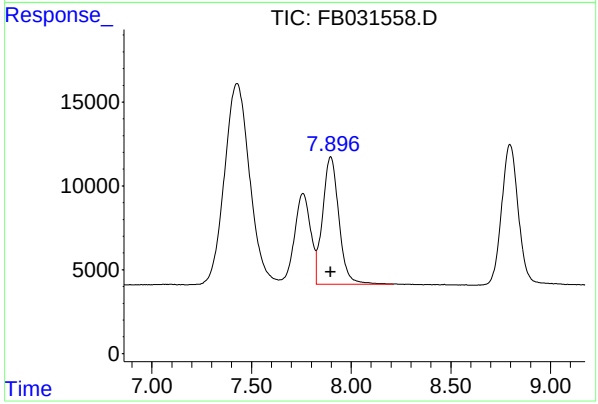
#2 2,2,4-Trimethylpentane

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



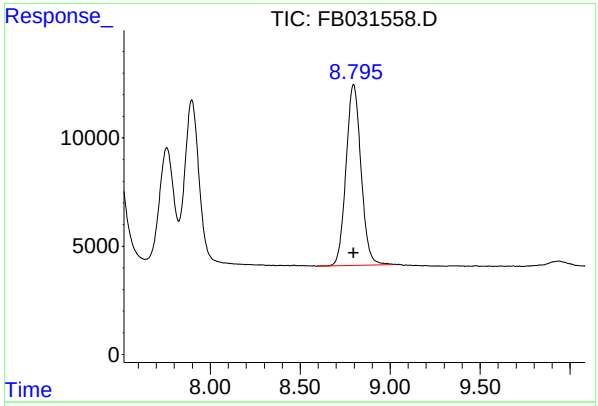
#3 n-Heptane

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



#4 Benzene

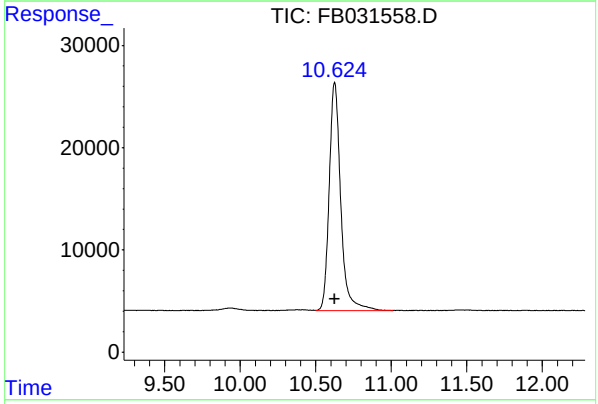
R.T.: 7.897 min
Delta R.T.: 0.000 min
Response: 431196
Conc: 10.00 ng/ml



#5 AAA-TFT

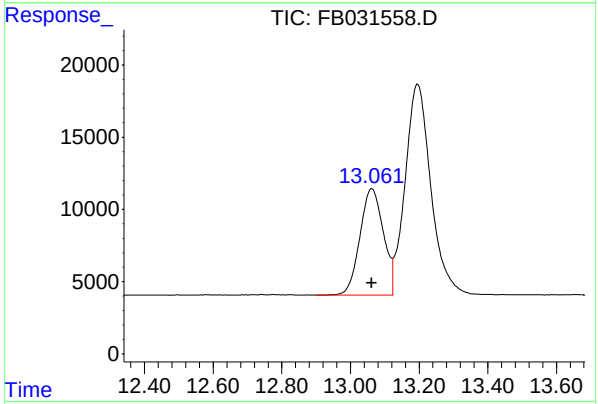
R.T.: 8.796 min
Delta R.T.: 0.000 min
Response: 482106
Conc: 20.00 ng/ml

Instrument :
FID_B
ClientSampleId :
20 GRO STD



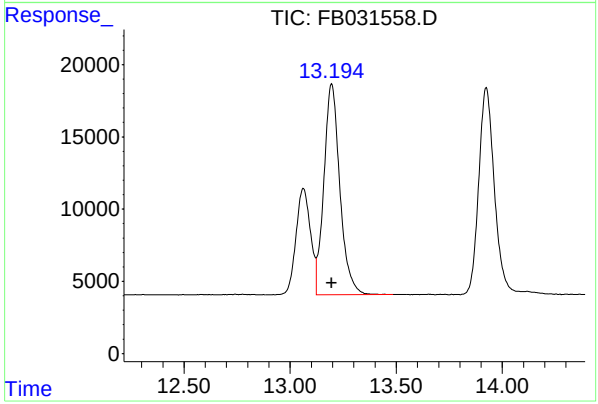
#6 Toluene

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



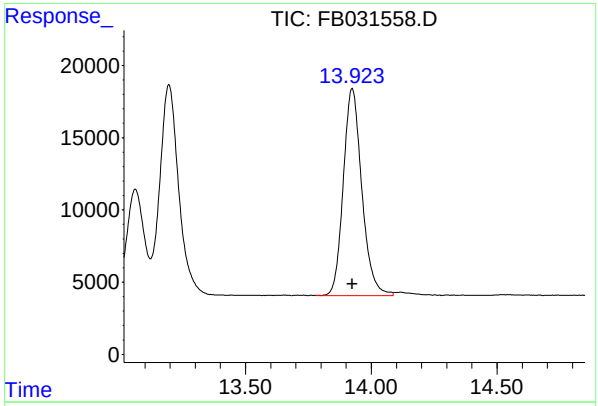
#7 Ethylbenzene

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



#8 m-Xylene

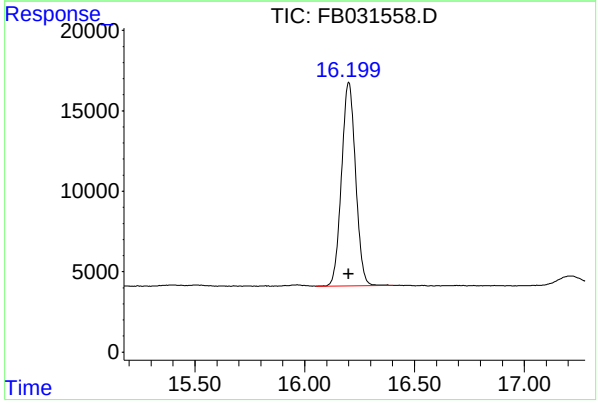
R.T.: 13.196 min
Delta R.T.: 0.000 min
Response: 763933
Conc: 20.00 ng/ml



#9 O-Xylene

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

Instrument :
FID_B
ClientSampleId :
20 GRO STD



#10 1,2,4-Trimethylbenzene

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

rteres

Area Percent Report

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

Integration File: Calibration.e

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

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.724	4.582	4.905	BV	10729	771999	65.14%	11.626%
2	7.428	7.212	7.638	BV	11991	1053033	88.85%	15.858%
3	7.758	7.638	7.825	VV	5428	307158	25.92%	4.626%
4	7.897	7.825	8.211	VV	7621	431196	36.38%	6.494%
5	8.796	8.588	9.016	PV	8362	482106	40.68%	7.260%
6	10.625	10.501	11.011	VV	22335	1185227	100.00%	17.849%
7	13.062	12.898	13.123	BV	7370	349215	29.46%	5.259%
8	13.196	13.123	13.486	VV	14603	763933	64.45%	11.504%
9	13.925	13.781	14.087	BV	14342	734501	61.97%	11.061%
10	16.201	16.052	16.403	PBA	12661	561967	47.41%	8.463%

Sum of corrected areas: 6640336

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

Quantitation Report (QT Reviewed)

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

Instrument :
FID_B
ClientSampleId :
50 GRO STD

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

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
5) s	AAA-TFT	8.796	1202270	49.876	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.720	1999167	77.688	ng/ml
2) t	2,2,4-Trimethylpentane	7.428	2647964	75.438	ng/ml
3) t	n-Heptane	7.757	804948	26.206	ng/ml
4) t	Benzene	7.896	1078353	25.008	ng/ml
6) t	Toluene	10.626	3006730	76.105	ng/ml
7) t	Ethylbenzene	13.064	874287	25.036	ng/ml
8) t	m-Xylene	13.198	1914646	50.126	ng/ml
9) t	O-Xylene	13.926	1809023	49.259	ng/ml
10) t	1,2,4-Trimethylbenzene	16.202	1320542	46.997	ng/ml

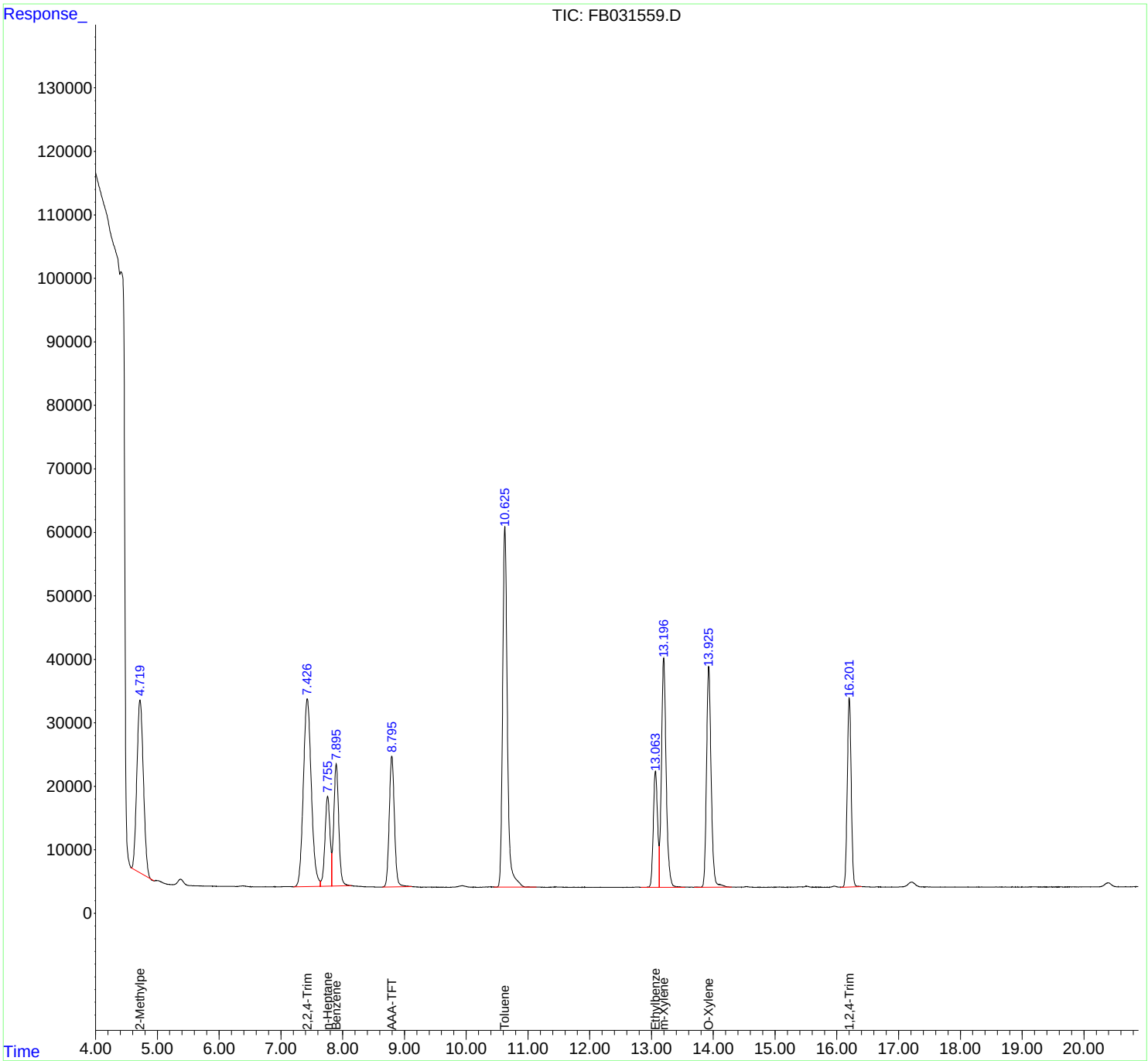
(f)=RT Delta > 1/2 Window (m)=manual int.

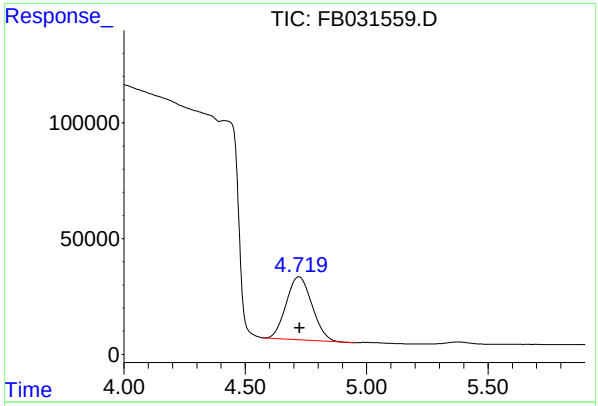
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB030625\
Data File : FB031559.D
Signal(s) : FID2B.CH
Acq On : 6 Mar 2025 11:15
Operator : YP/AJ
Sample : 50 GRO STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
50 GRO STD

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

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

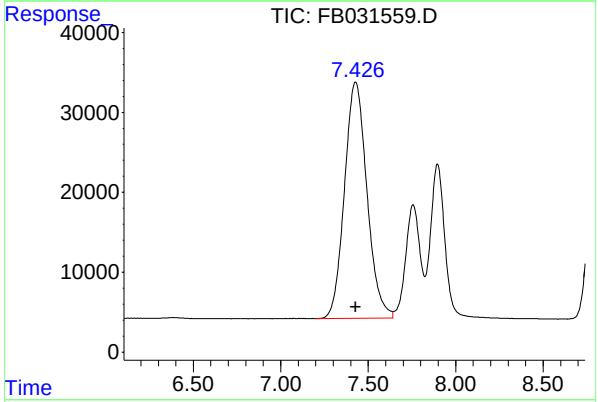




#1 2-Methylpentane

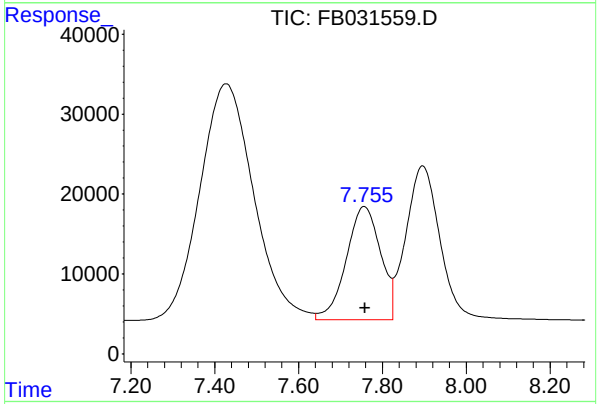
R.T.: 4.720 min
Delta R.T.: -0.004 min
Response: 1999167
Conc: 77.69 ng/ml

Instrument :
FID_B
ClientSampleId :
50 GRO STD



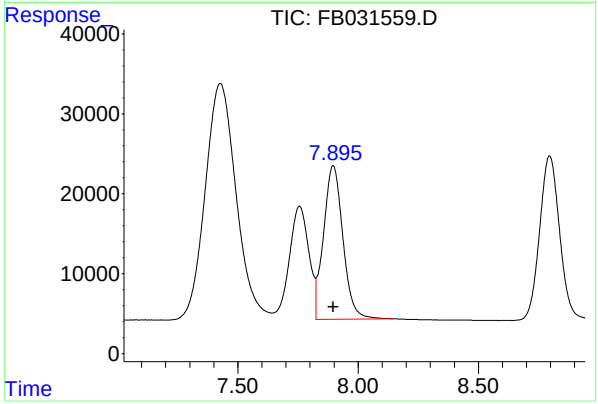
#2 2,2,4-Trimethylpentane

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



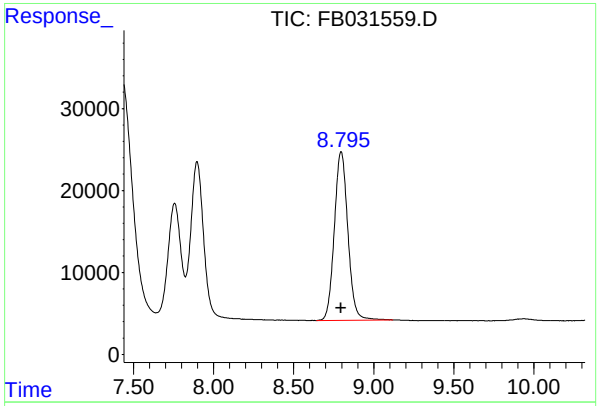
#3 n-Heptane

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



#4 Benzene

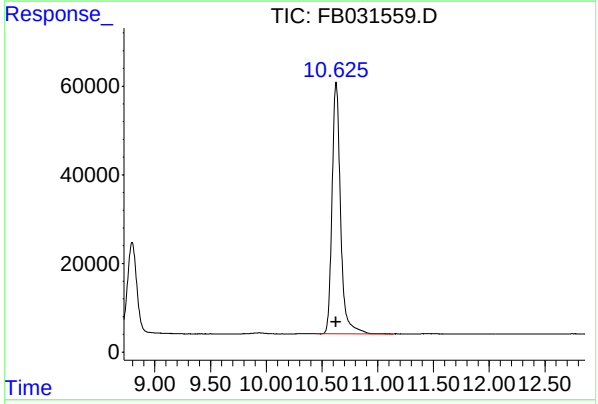
R.T.: 7.896 min
Delta R.T.: 0.000 min
Response: 1078353
Conc: 25.01 ng/ml



#5 AAA-TFT

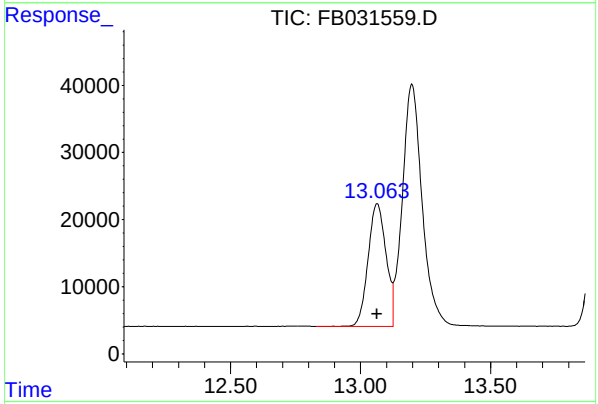
R.T.: 8.796 min
Delta R.T.: 0.000 min
Response: 1202270
Conc: 49.88 ng/ml

Instrument :
FID_B
ClientSampleId :
50 GRO STD



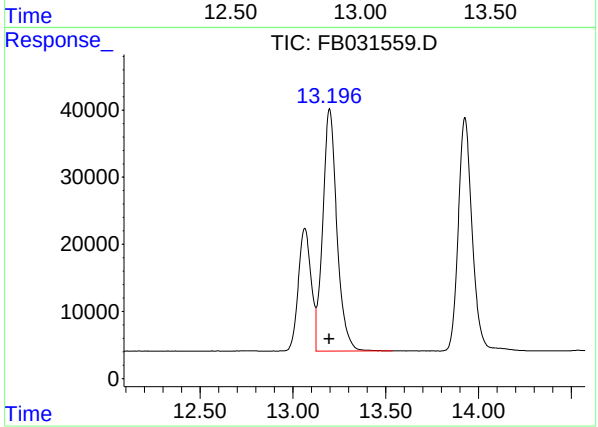
#6 Toluene

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



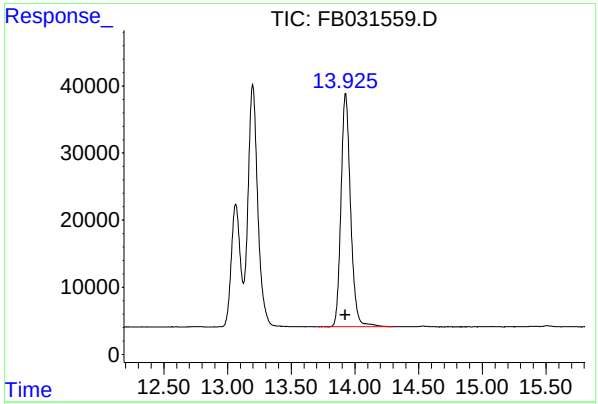
#7 Ethylbenzene

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



#8 m-Xylene

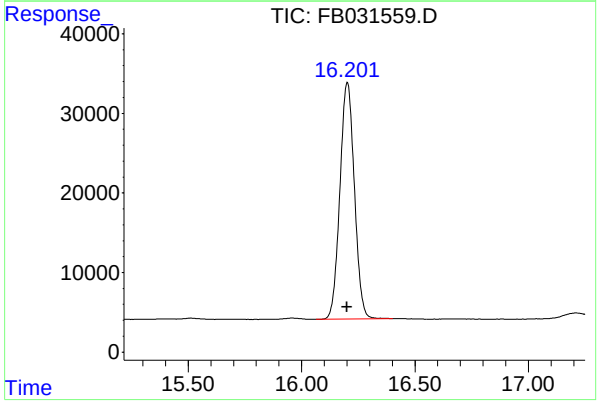
R.T.: 13.198 min
Delta R.T.: 0.002 min
Response: 1914646
Conc: 50.13 ng/ml



#9 O-Xylene

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

Instrument :
FID_B
ClientSampleId :
50 GRO STD



#10 1,2,4-Trimethylbenzene

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

rteres

Area Percent Report

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

Integration File: Calibration.e

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

Signal : FID2B.CH

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

Sum of corrected areas: 16657928

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

Quantitation Report (QT Reviewed)

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

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

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

Instrument :
FID_B
ClientSampleId :
100 GRO STD

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
5) s	AAA-TFT	8.797	2434690	101.002	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.720	3523964	136.942	ng/mlm
2) t	2,2,4-Trimethylpentane	7.433	4723562	134.570	ng/ml
3) t	n-Heptane	7.756	1532649	49.898	ng/ml
4) t	Benzene	7.898	2067734	47.954	ng/ml
6) t	Toluene	10.628	5722349	144.842	ng/ml
7) t	Ethylbenzene	13.066	1652001	47.306	ng/ml
8) t	m-Xylene	13.200	3604686	94.372	ng/ml
9) t	O-Xylene	13.929	3368693	91.727	ng/ml
10) t	1,2,4-Trimethylbenzene	16.204	2344614	83.443	ng/ml

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

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

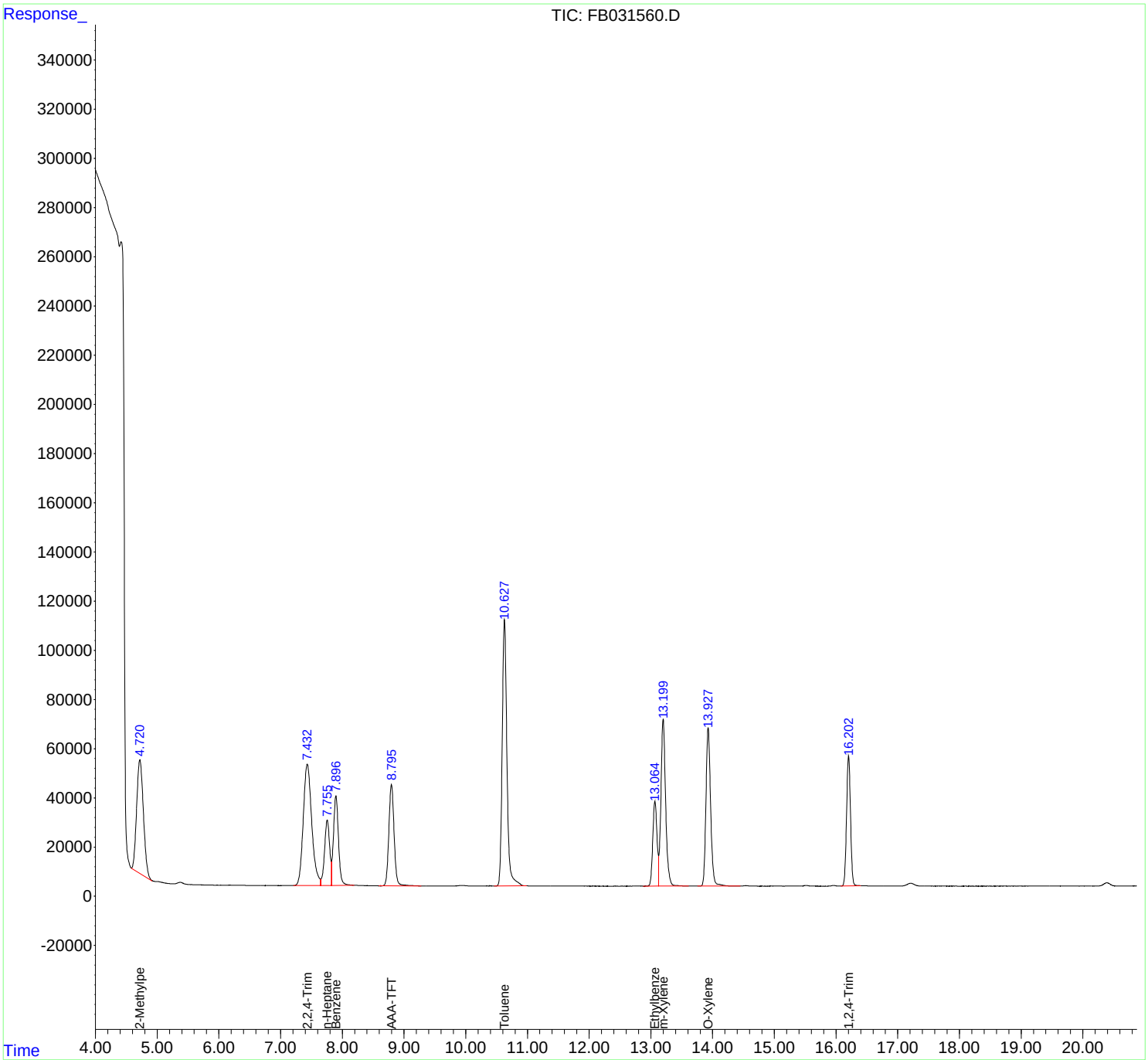
Integration File: Calibration.e
Quant Time: Mar 06 12:28:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
Quant Title :
QLast Update : Thu Mar 06 12:27:13 2025
Response via : Initial Calibration
Integrator: ChemStation

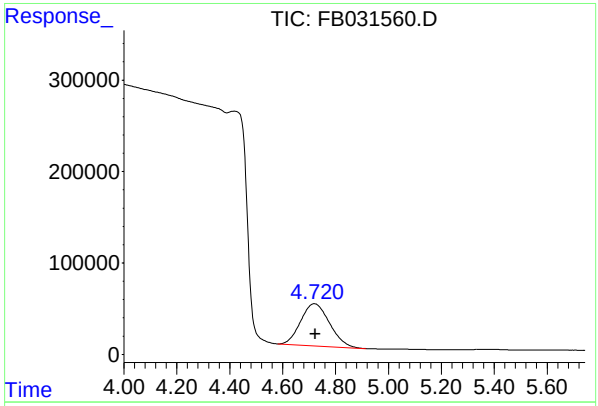
Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um

Instrument :
FID_B
ClientSampleId :
100 GRO STD

Manual Integrations APPROVED

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





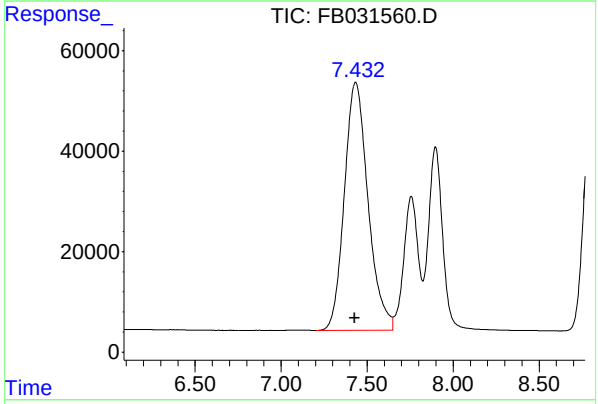
#1 2-Methylpentane

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

Instrument :
FID_B
ClientSampleId :
100 GRO STD

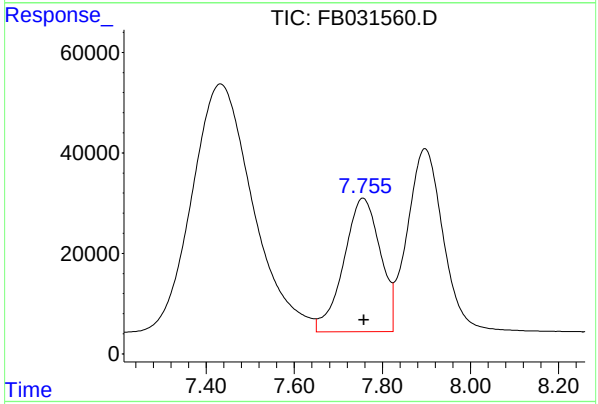
Manual Integrations
APPROVED

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



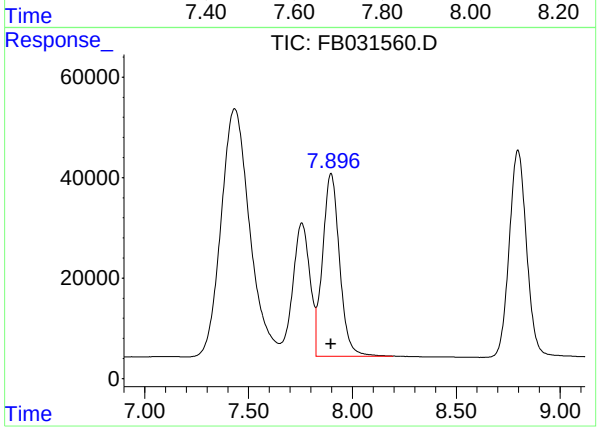
#2 2,2,4-Trimethylpentane

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



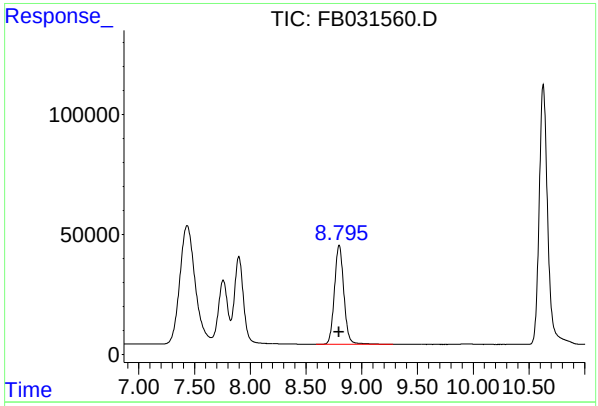
#3 n-Heptane

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



#4 Benzene

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



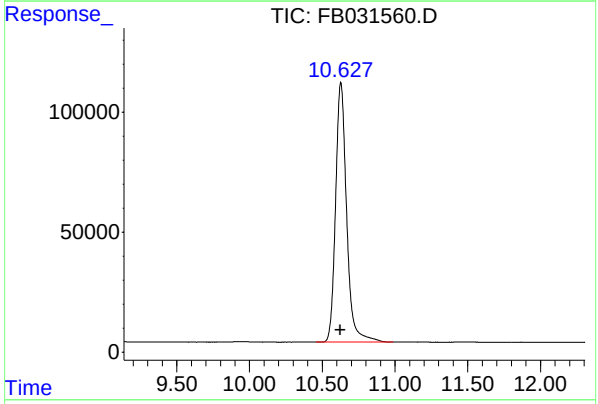
#5 AAA-TFT

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

Instrument :
FID_B
ClientSampleId :
100 GRO STD

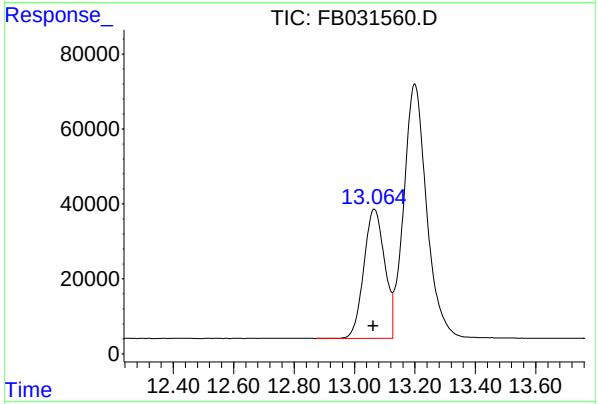
Manual Integrations APPROVED

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



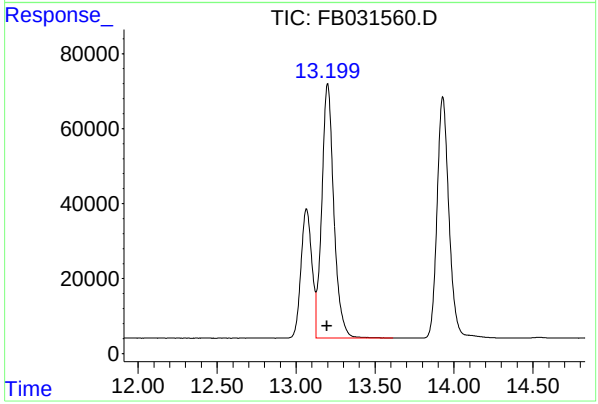
#6 Toluene

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



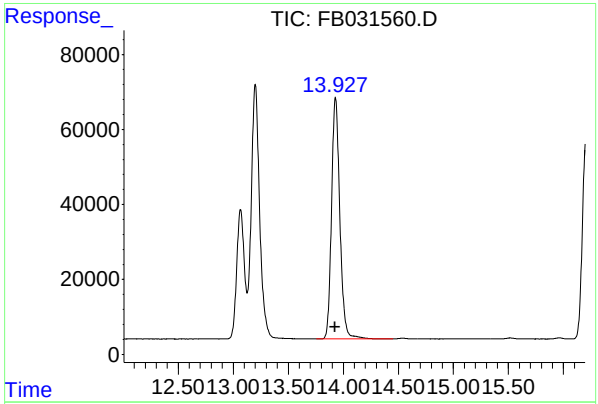
#7 Ethylbenzene

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



#8 m-Xylene

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



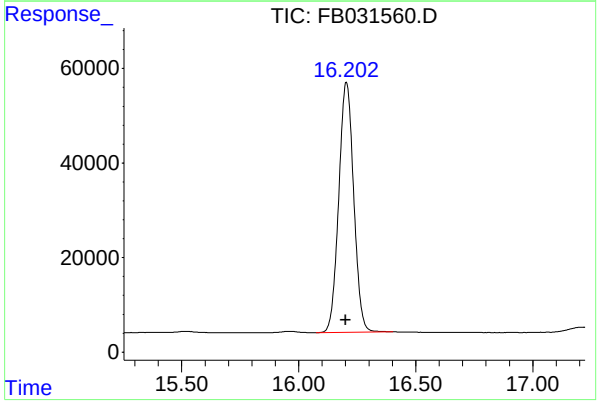
#9 O-Xylene

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

Instrument :
FID_B
ClientSampleId :
100 GRO STD

Manual Integrations
APPROVED

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



#10 1,2,4-Trimethylbenzene

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

Instrument :
FID_B
LabSampleId :
100 GRO STD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

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

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

Integration File: Calibration.e

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

Signal : FID2B.CH

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

Sum of corrected areas: 30893430

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

Quantitation Report (QT Reviewed)

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

Instrument :
FID_B
ClientSampleId :
5 GRO STD

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

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
5) s	AAA-TFT	8.797	88124	4.224 ng/ml
	Target Compounds			
1) t	2-Methylpentane	4.726	203387	7.697 ng/ml
2) t	2,2,4-Trimethylpentane	7.421	299942	7.989 ng/ml
3) t	n-Heptane	7.759	84500	2.620 ng/ml
4) t	Benzene	7.896	113143	2.560 ng/ml
6) t	Toluene	10.625	337616	7.989 ng/ml
7) t	Ethylbenzene	13.061	105280	2.733 ng/ml
8) t	m-Xylene	13.194	230607	5.470 ng/ml
9) t	O-Xylene	13.922	217653	5.424 ng/ml
10) t	1,2,4-Trimethylbenzene	16.199	186716	5.706 ng/ml

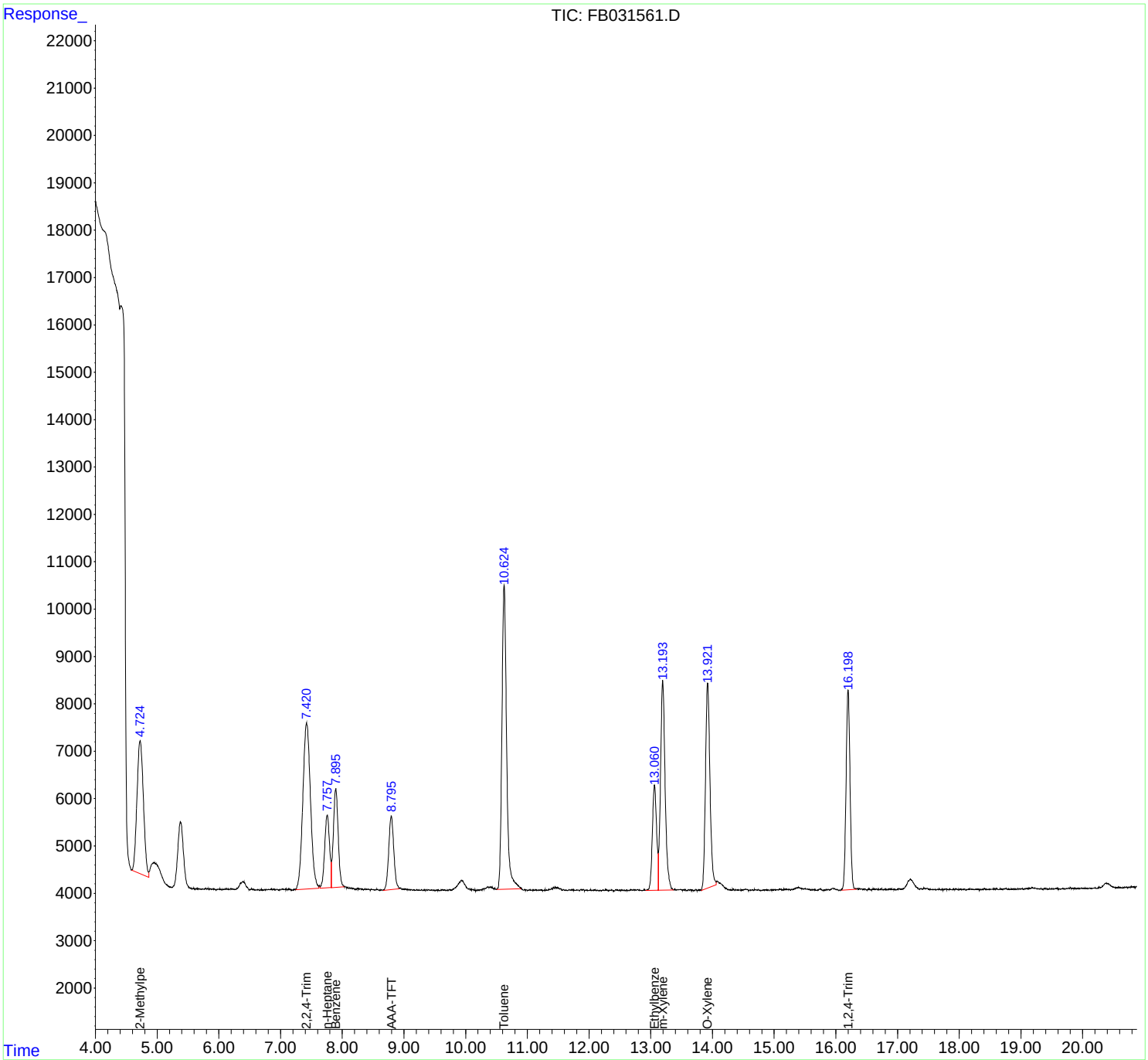
(f)=RT Delta > 1/2 Window (m)=manual int.

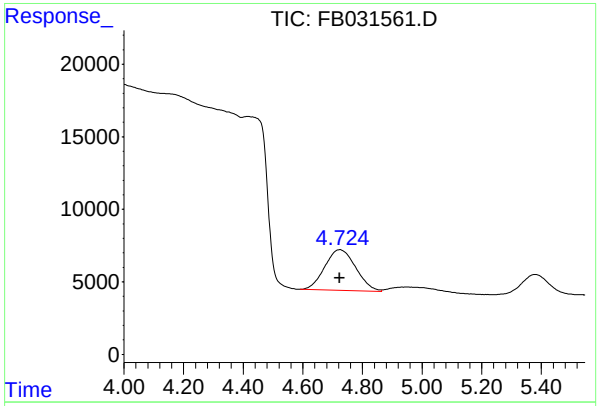
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB030625\
Data File : FB031561.D
Signal(s) : FID2B.CH
Acq On : 6 Mar 2025 13:21
Operator : YP/AJ
Sample : 5 GRO STD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
5 GRO STD

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

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

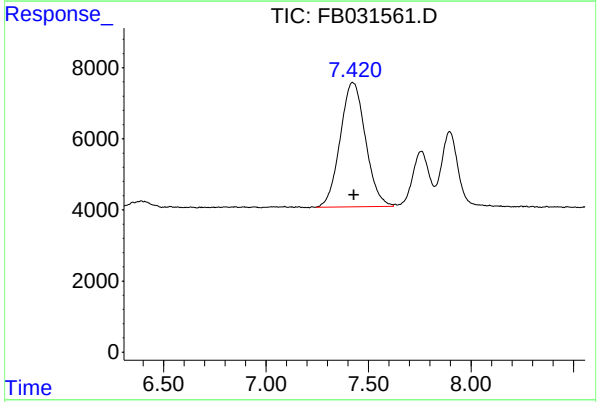




#1 2-Methylpentane

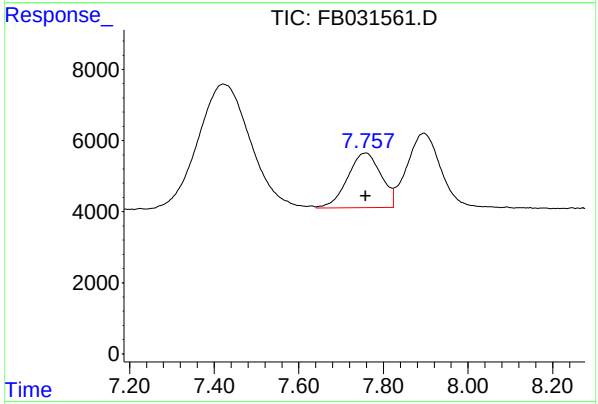
R.T.: 4.726 min
Delta R.T.: 0.002 min
Response: 203387
Conc: 7.70 ng/ml

Instrument :
FID_B
ClientSampleId :
5 GRO STD



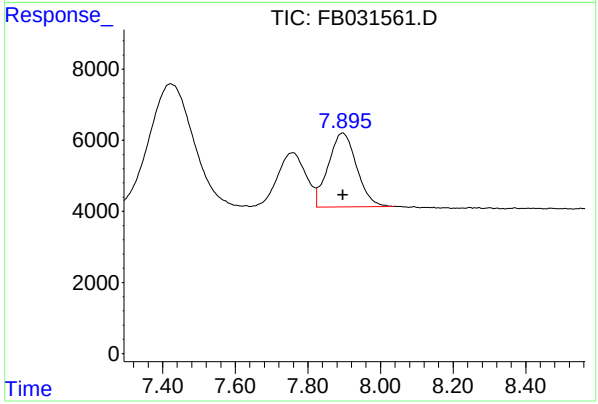
#2 2,2,4-Trimethylpentane

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



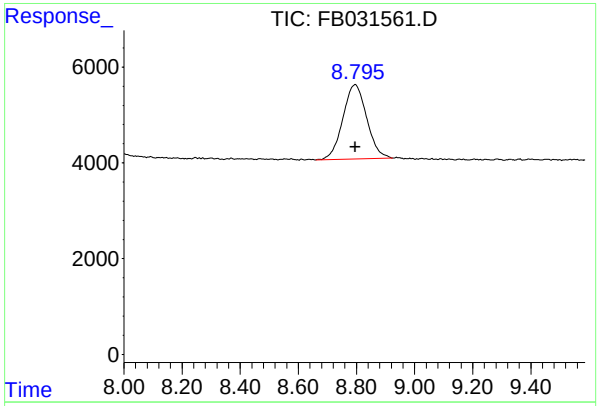
#3 n-Heptane

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



#4 Benzene

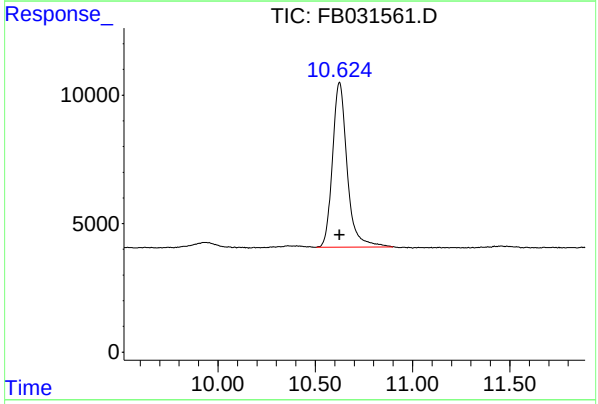
R.T.: 7.896 min
Delta R.T.: 0.000 min
Response: 113143
Conc: 2.56 ng/ml



#5 AAA-TFT

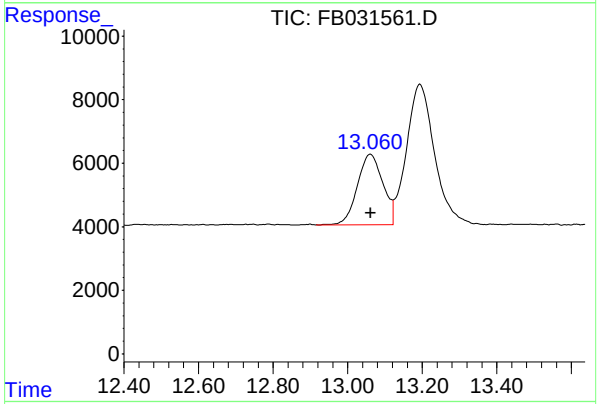
R.T.: 8.797 min
Delta R.T.: 0.000 min
Response: 88124
Conc: 4.22 ng/ml

Instrument :
FID_B
ClientSampleId :
5 GRO STD



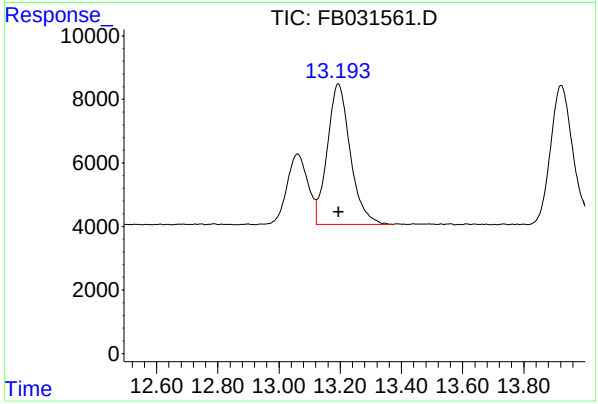
#6 Toluene

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



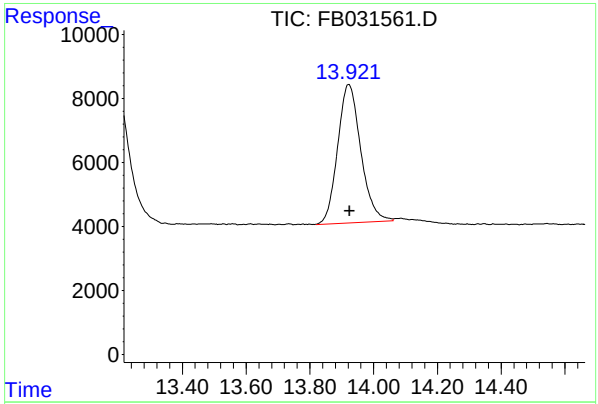
#7 Ethylbenzene

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



#8 m-Xylene

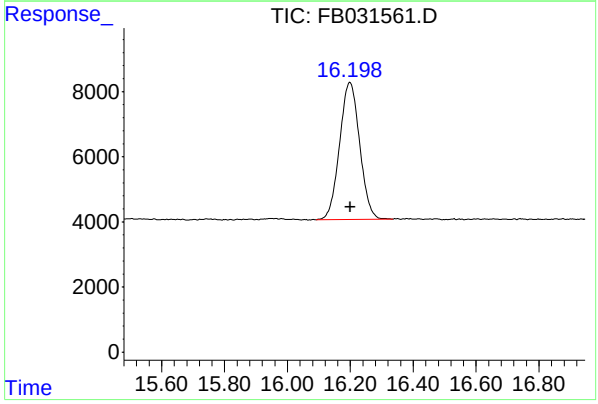
R.T.: 13.194 min
Delta R.T.: -0.002 min
Response: 230607
Conc: 5.47 ng/ml



#9 O-Xylene

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

Instrument :
FID_B
ClientSampleId :
5 GRO STD



#10 1,2,4-Trimethylbenzene

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

rteres

Area Percent Report

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

Integration File: Calibration.e

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

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.726	4.590	4.864	BV	2811	203387	60.24%	10.894%
2	7.421	7.245	7.621	BV	3505	299942	88.84%	16.066%
3	7.759	7.641	7.824	VV	1534	84500	25.03%	4.526%
4	7.896	7.824	8.036	VV	2086	113143	33.51%	6.060%
5	8.797	8.660	8.925	PV	1555	88124	26.10%	4.720%
6	10.625	10.505	10.900	BV	6416	337616	100.00%	18.084%
7	13.061	12.915	13.122	PV	2224	105280	31.18%	5.639%
8	13.194	13.122	13.373	VV	4429	230607	68.30%	12.352%
9	13.922	13.820	14.061	BV	4329	217653	64.47%	11.658%
10	16.199	16.091	16.336	PV	4218	186716	55.30%	10.001%

Sum of corrected areas: 1866969

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

Quantitation Report (QT Reviewed)

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

Instrument :
FID_B
ClientSampleId :
FB030625GROICV

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

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
5) s	AAA-TFT	8.796	537116	23.719	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.722	782337	30.760	ng/ml
2) t	2,2,4-Trimethylpentane	7.428	1055396	30.441	ng/ml
3) t	n-Heptane	7.757	316180	10.214	ng/ml
4) t	Benzene	7.897	444101	10.508	ng/ml
6) t	Toluene	10.627	1204147	30.441	ng/ml
7) t	Ethylbenzene	13.063	353160	10.013	ng/ml
8) t	m-Xylene	13.197	774921	20.103	ng/ml
9) t	O-Xylene	13.926	755385	20.469	ng/ml
10) t	1,2,4-Trimethylbenzene	16.202	566978	20.067	ng/ml

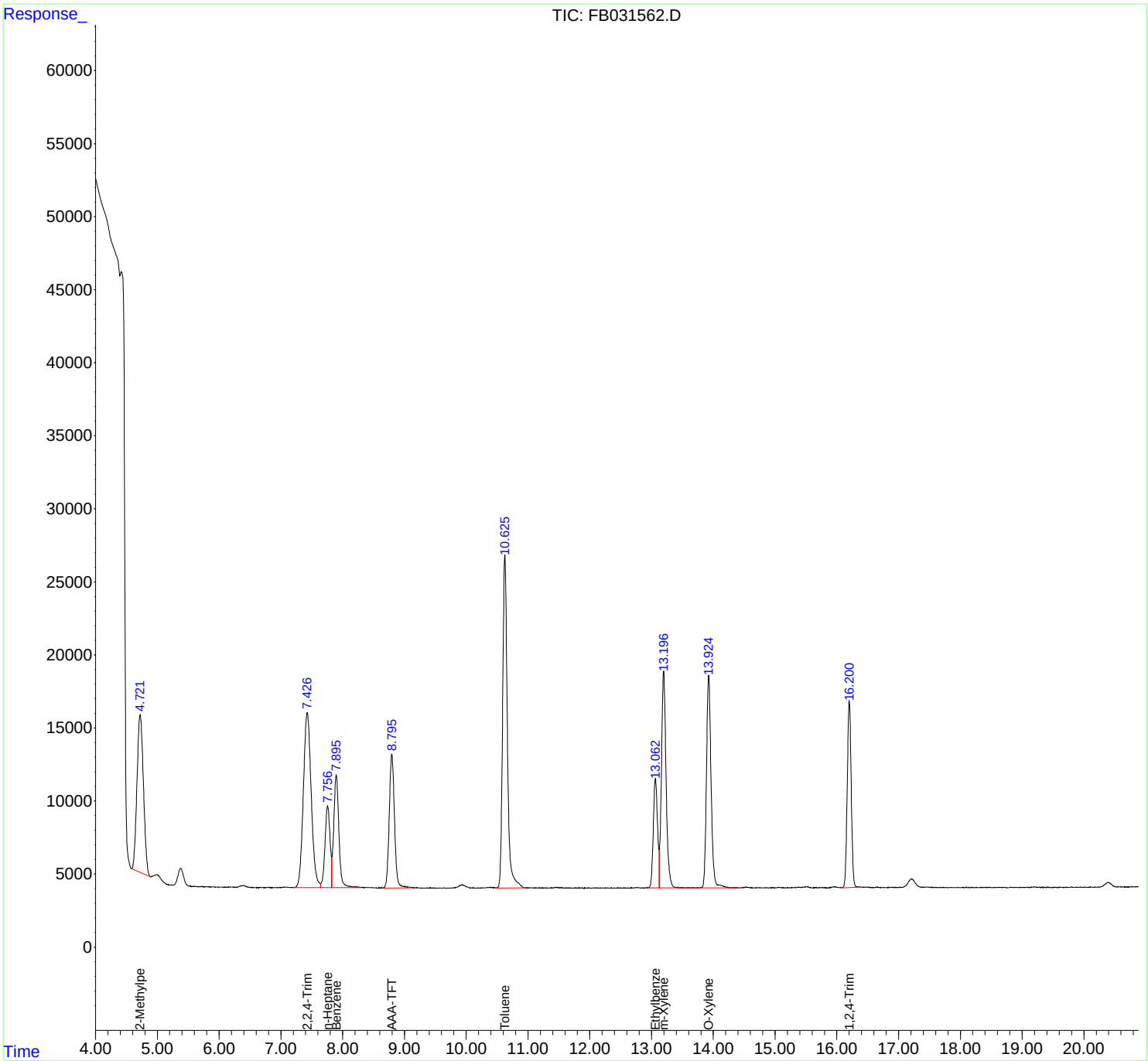
(f)=RT Delta > 1/2 Window (m)=manual int.

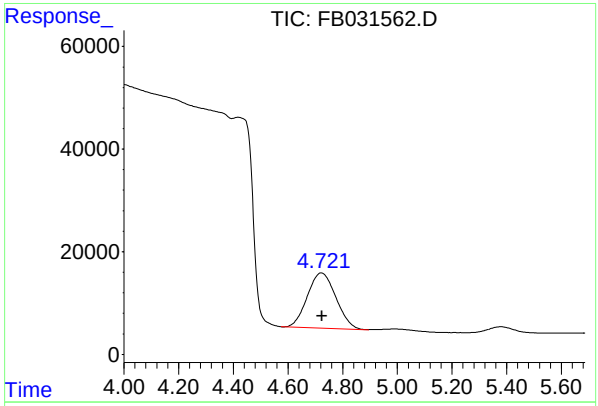
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB030625\
Data File : FB031562.D
Signal(s) : FID2B.CH
Acq On : 6 Mar 2025 14:05
Operator : YP/AJ
Sample : FB030625GROICV
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
FB030625GROICV

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

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

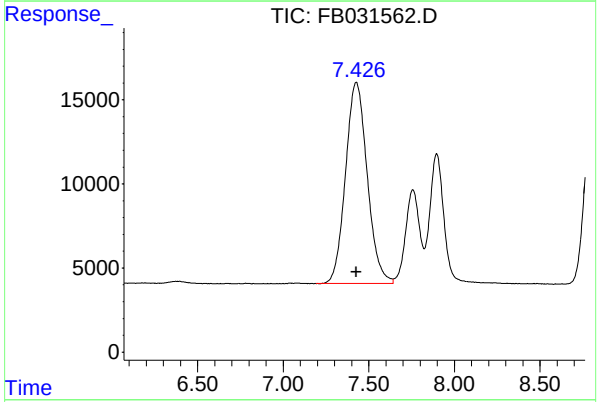




#1 2-Methylpentane

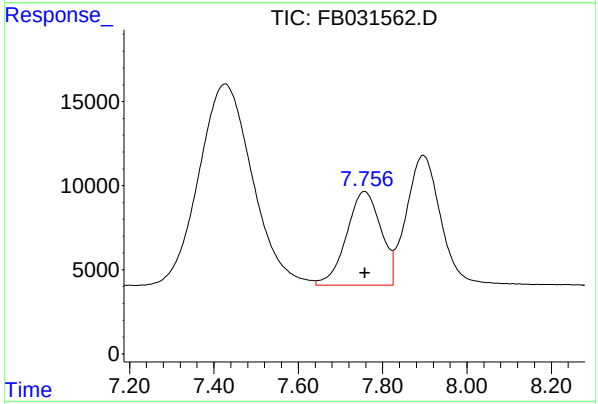
R.T.: 4.722 min
Delta R.T.: -0.002 min
Response: 782337
Conc: 30.76 ng/ml

Instrument :
FID_B
ClientSampleId :
FB030625GROICV



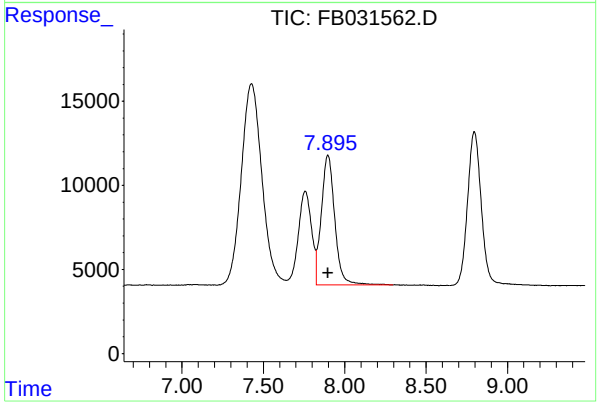
#2 2,2,4-Trimethylpentane

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



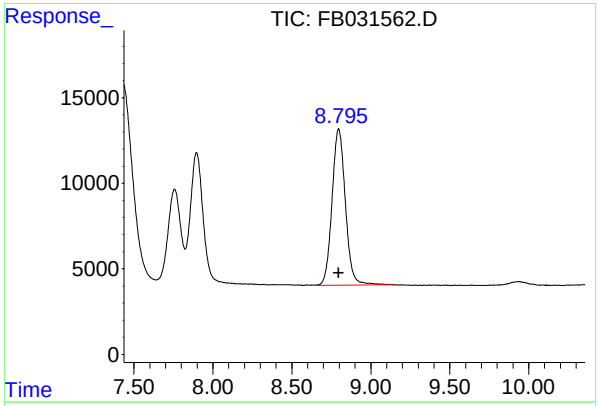
#3 n-Heptane

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



#4 Benzene

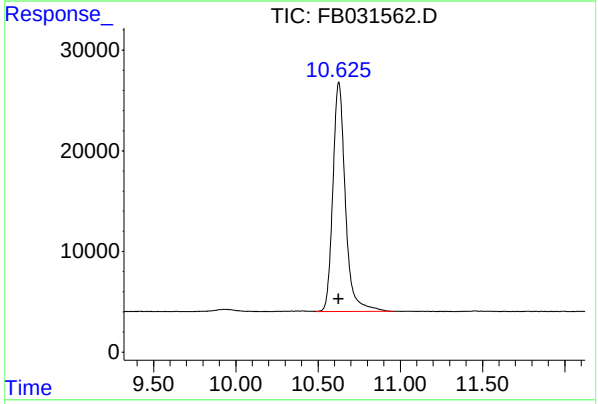
R.T.: 7.897 min
Delta R.T.: 0.000 min
Response: 444101
Conc: 10.51 ng/ml



#5 AAA-TFT

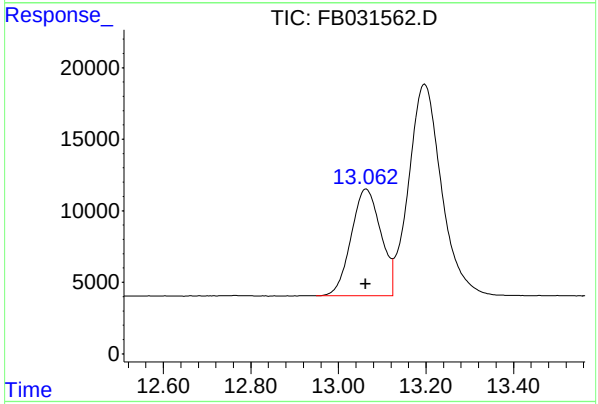
R.T.: 8.796 min
Delta R.T.: 0.000 min
Response: 537116
Conc: 23.72 ng/ml

Instrument :
FID_B
ClientSampleId :
FB030625GROICV



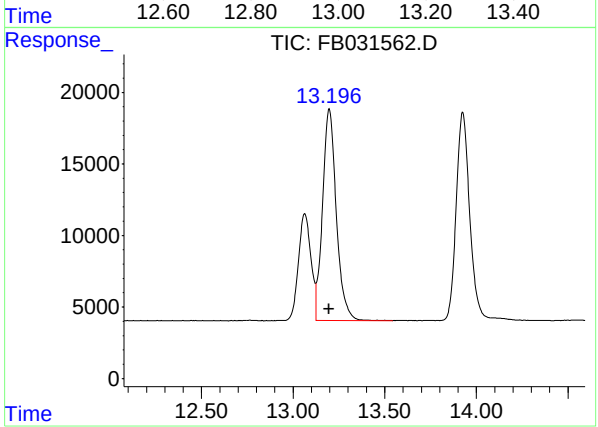
#6 Toluene

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



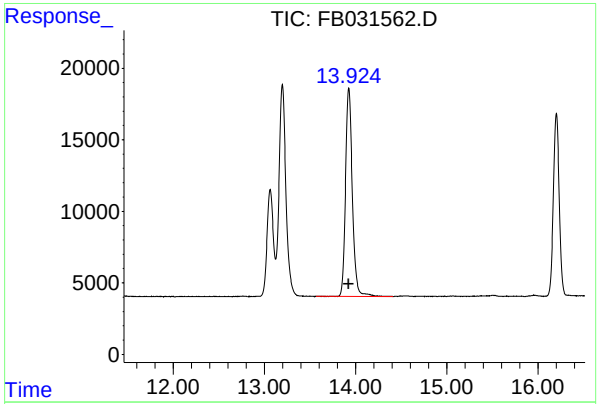
#7 Ethylbenzene

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



#8 m-Xylene

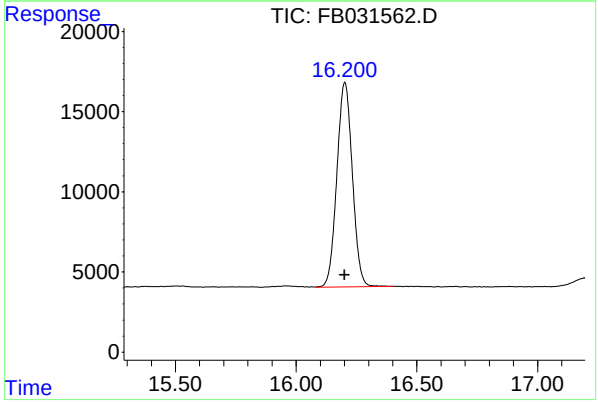
R.T.: 13.197 min
Delta R.T.: 0.001 min
Response: 774921
Conc: 20.10 ng/ml



#9 O-Xylene

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

Instrument :
FID_B
ClientSampleId :
FB030625GROICV



#10 1,2,4-Trimethylbenzene

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

rteres

Area Percent Report

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

Integration File: Calibration.e

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

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.722	4.576	4.894	BV	10778	782337	64.97%	11.522%
2	7.428	7.192	7.642	BV	11973	1055396	87.65%	15.544%
3	7.757	7.642	7.825	VV	5579	316180	26.26%	4.657%
4	7.897	7.825	8.297	VV	7729	444101	36.88%	6.541%
5	8.796	8.654	9.141	BV	9154	537116	44.61%	7.911%
6	10.627	10.488	10.956	BV	22787	1204147	100.00%	17.735%
7	13.063	12.948	13.124	BV	7476	353160	29.33%	5.201%
8	13.197	13.124	13.544	VB	14810	774921	64.35%	11.413%
9	13.926	13.566	14.410	BB	14557	755385	62.73%	11.125%
10	16.202	16.082	16.401	BBA	12759	566978	47.09%	8.351%

Sum of corrected areas: 6789720

FB030625.M Fri Mar 07 07:08:28 2025

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

GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Chemtech Contract: ALLI03

ProjectID: NJ Waste Water PT

Lab Code: CHEM Case No.: Q1502 SAS No.: Q1502 SDG No.: Q1502

DataFile: FB031576.D Analyst Name: YP/AJ Analyst Date: 03-11-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	5801027	32228	33147	2.772

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB031125\
Data File : FB031576.D
Signal(s) : FID2B.CH
Acq On : 11 Mar 2025 13:37
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :mohammad ahmed 04/10/2025

Integration File: Calibration.e
Quant Time: Mar 12 04:26:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
Quant Title :
QLast Update : Thu Mar 06 13:17:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
5) s	AAA-TFT	8.793	445348	19.667	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.719	630362	24.785	ng/mlm
2) t	2,2,4-Trimethylpentane	7.421	1003307	28.938	ng/ml
3) t	n-Heptane	7.754	288956	9.335	ng/ml
4) t	Benzene	7.893	410922	9.723	ng/ml
6) t	Toluene	10.623	1125232	28.446	ng/ml
7) t	Ethylbenzene	13.060	346428	9.822	ng/ml
8) t	m-Xylene	13.193	730838	18.960	ng/ml
9) t	O-Xylene	13.922	732689	19.854	ng/ml
10) t	1,2,4-Trimethylbenzene	16.197	532293	18.839	ng/ml

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

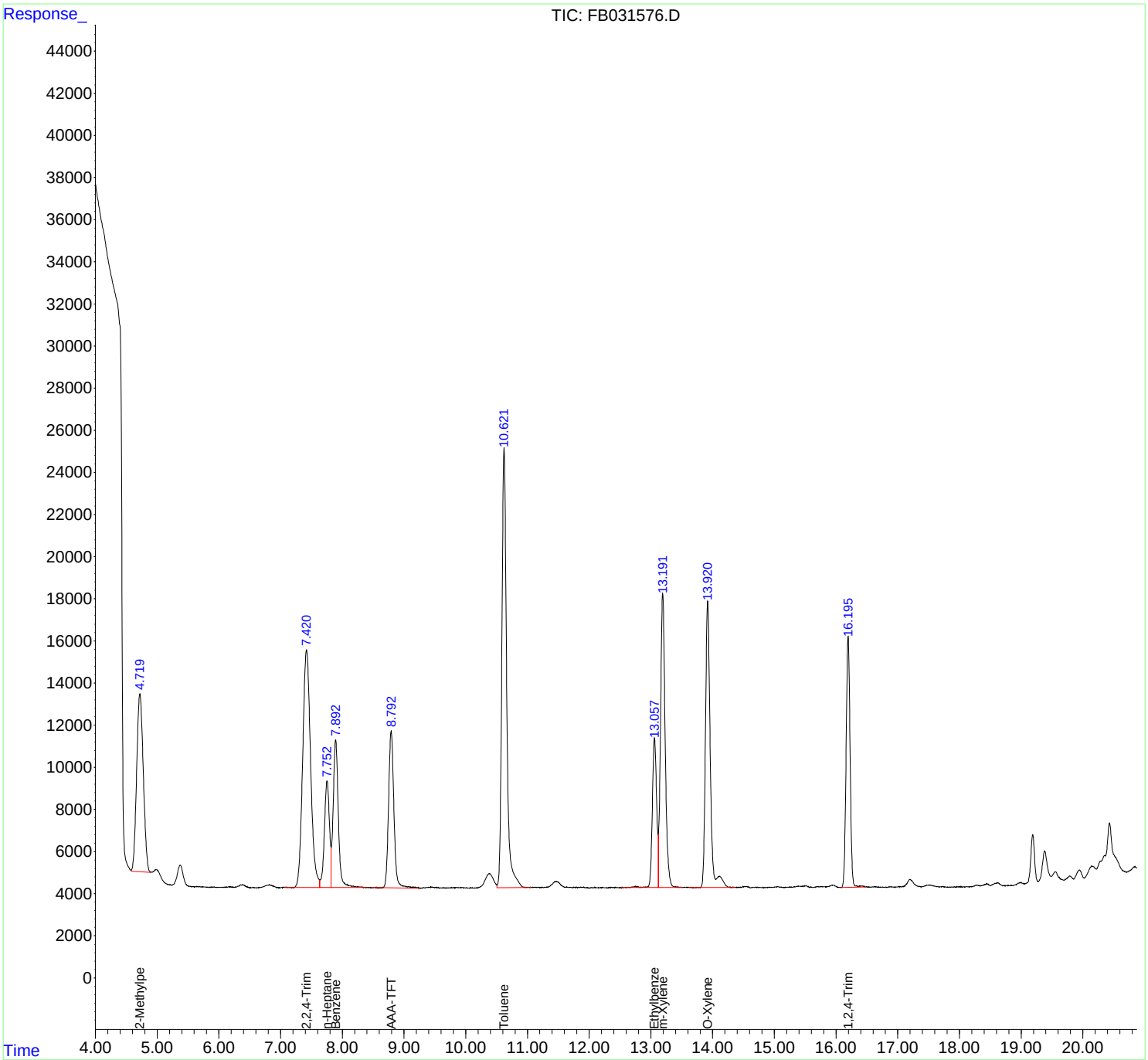
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB031125\
Data File : FB031576.D
Signal(s) : FID2B.CH
Acq On : 11 Mar 2025 13:37
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

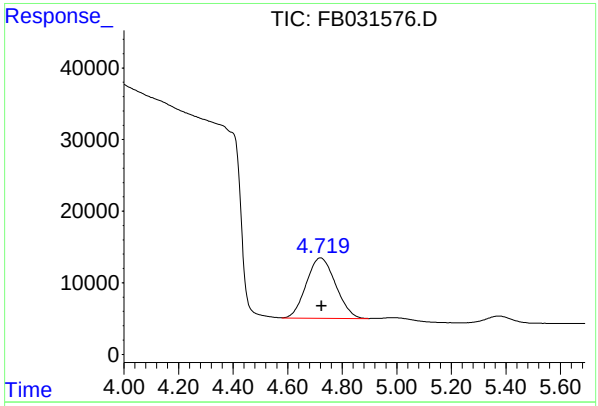
Integration File: Calibration.e
Quant Time: Mar 12 04:26:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
Quant Title :
QLast Update : Thu Mar 06 13:17:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/12/2025
Supervised By :mohammad ahmed 04/10/2025





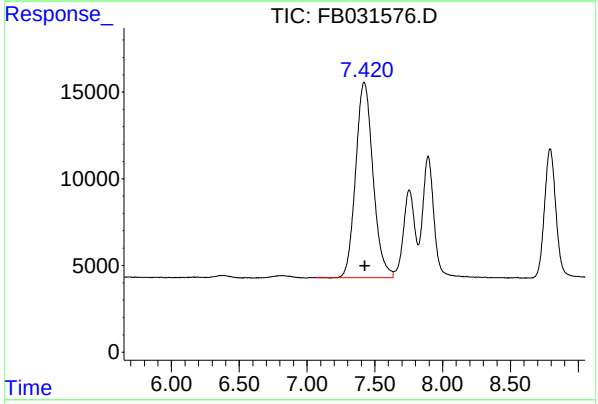
#1 2-Methylpentane

R.T.: 4.719 min
Delta R.T.: -0.005 min
Response: 630362
Conc: 24.78 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

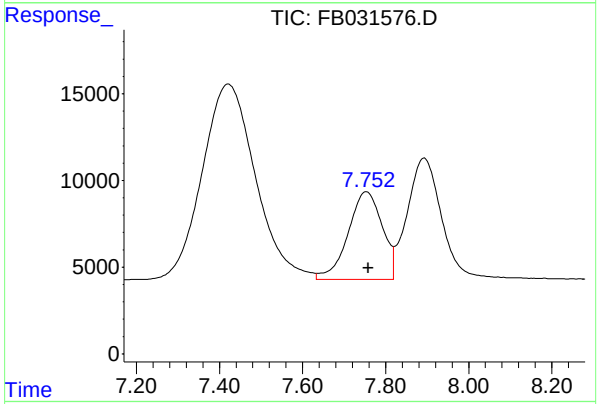
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :mohammad ahmed 04/10/2025



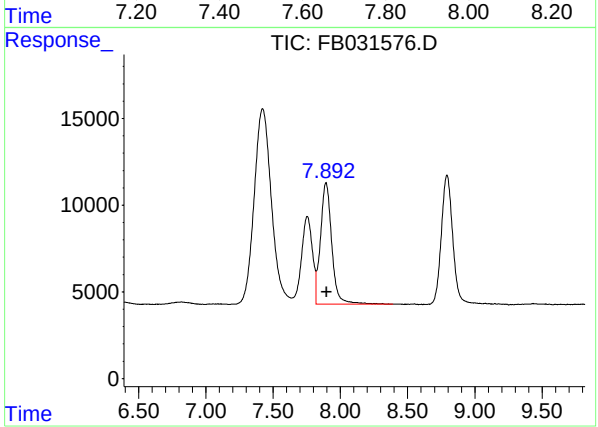
#2 2,2,4-Trimethylpentane

R.T.: 7.421 min
Delta R.T.: -0.007 min
Response: 1003307
Conc: 28.94 ng/ml



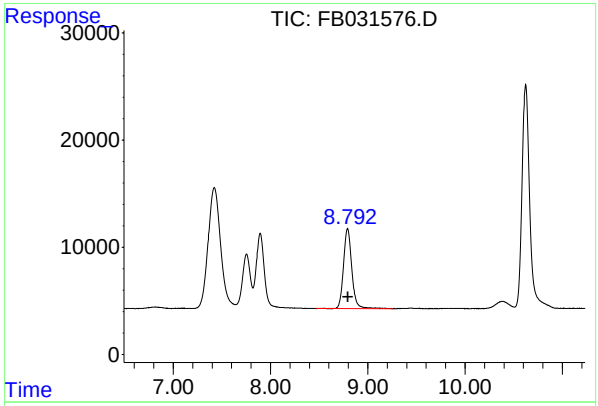
#3 n-Heptane

R.T.: 7.754 min
Delta R.T.: -0.004 min
Response: 288956
Conc: 9.33 ng/ml



#4 Benzene

R.T.: 7.893 min
Delta R.T.: -0.004 min
Response: 410922
Conc: 9.72 ng/ml



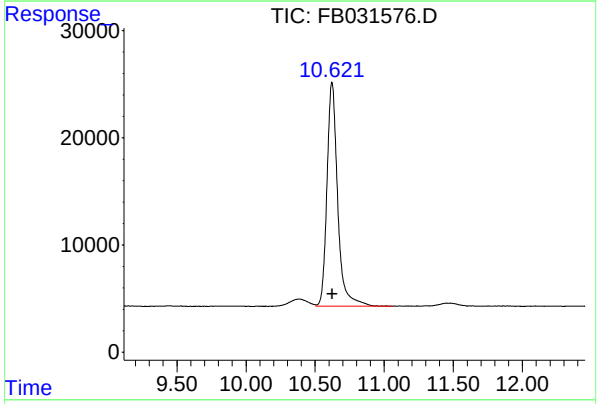
#5 AAA-TFT

R.T.: 8.793 min
Delta R.T.: -0.004 min
Response: 445348
Conc: 19.67 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

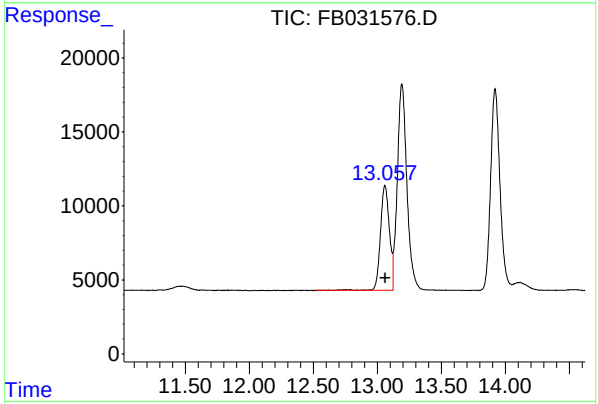
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :mohammad ahmed 04/10/2025



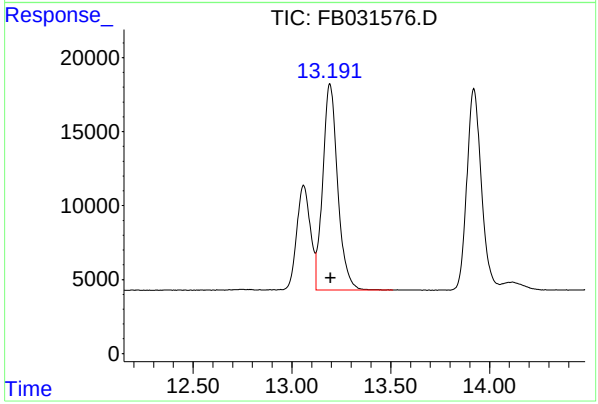
#6 Toluene

R.T.: 10.623 min
Delta R.T.: -0.003 min
Response: 1125232
Conc: 28.45 ng/ml



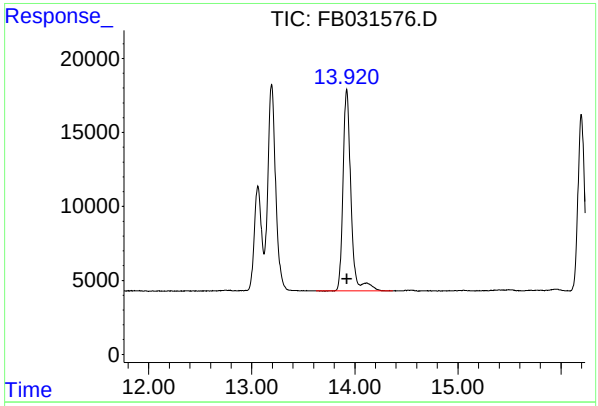
#7 Ethylbenzene

R.T.: 13.060 min
Delta R.T.: -0.002 min
Response: 346428
Conc: 9.82 ng/ml



#8 m-Xylene

R.T.: 13.193 min
Delta R.T.: -0.003 min
Response: 730838
Conc: 18.96 ng/ml



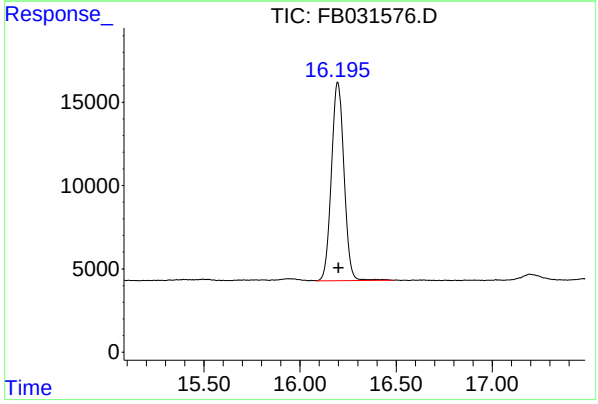
#9 O-Xylene

R.T.: 13.922 min
Delta R.T.: -0.003 min
Response: 732689
Conc: 19.85 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :mohammad ahmed 04/10/2025



#10 1,2,4-Trimethylbenzene

R.T.: 16.197 min
Delta R.T.: -0.004 min
Response: 532293
Conc: 18.84 ng/ml

Instrument :
FID_B
LabSampleId :
20 PPB GRO STD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :mohammad ahmed 04/10/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB03112
Data File : FB031576.D
Signal(s) : FID2B.CH
Acq On : 11 Mar 2025 13:37
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: Calibration.e

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

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.721	4.571	4.900	BV	8534	651045	57.87%	10.527%
2	7.421	7.209	7.641	BV	11269	1001806	89.04%	16.199%
3	7.754	7.641	7.821	VV	5033	286745	25.49%	4.637%
4	7.893	7.821	8.164	VV	6974	394621	35.08%	6.381%
5	8.793	8.665	9.052	PV	7438	434604	38.63%	7.027%
6	10.622	10.509	10.975	VV	20893	1125060	100.00%	18.192%
7	13.059	12.921	13.120	VV	7080	337054	29.96%	5.450%
8	13.193	13.120	13.469	VV	13936	733883	65.23%	11.867%
9	13.921	13.678	14.052	BV	13611	692829	61.58%	11.203%
10	16.197	16.088	16.364	PV	11906	526733	46.82%	8.517%

Sum of corrected areas: 6184379

FB030625.M Wed Mar 12 04:50:52 2025

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

GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Chemtech Contract: ALLI03

ProjectID: NJ Waste Water PT

Lab Code: CHEM Case No.: Q1502 SAS No.: Q1502 SDG No.: Q1502

DataFile: FB031583.D Analyst Name: YP/AJ Analyst Date: 03-11-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	5663434	31464	33147	5.077

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB031125\
Data File : FB031583.D
Signal(s) : FID2B.CH
Acq On : 11 Mar 2025 17:20
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :mohammad ahmed 04/10/2025

Integration File: Calibration.e
Quant Time: Mar 12 04:49:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
Quant Title :
QLast Update : Thu Mar 06 13:17:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
5) s	AAA-TFT	8.796	400847	17.702	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.723	620413	24.394	ng/mlm
2) t	2,2,4-Trimethylpentane	7.424	959911	27.686	ng/ml
3) t	n-Heptane	7.757	267167	8.631	ng/ml
4) t	Benzene	7.896	387188	9.161	ng/ml
6) t	Toluene	10.625	1124769	28.434	ng/ml
7) t	Ethylbenzene	13.062	337461	9.568	ng/ml
8) t	m-Xylene	13.195	738014	19.146	ng/ml
9) t	O-Xylene	13.923	698181	18.919	ng/ml
10) t	1,2,4-Trimethylbenzene	16.199	530330	18.770	ng/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB031125\
Data File : FB031583.D
Signal(s) : FID2B.CH
Acq On : 11 Mar 2025 17:20
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 8 Sample Multiplier: 1

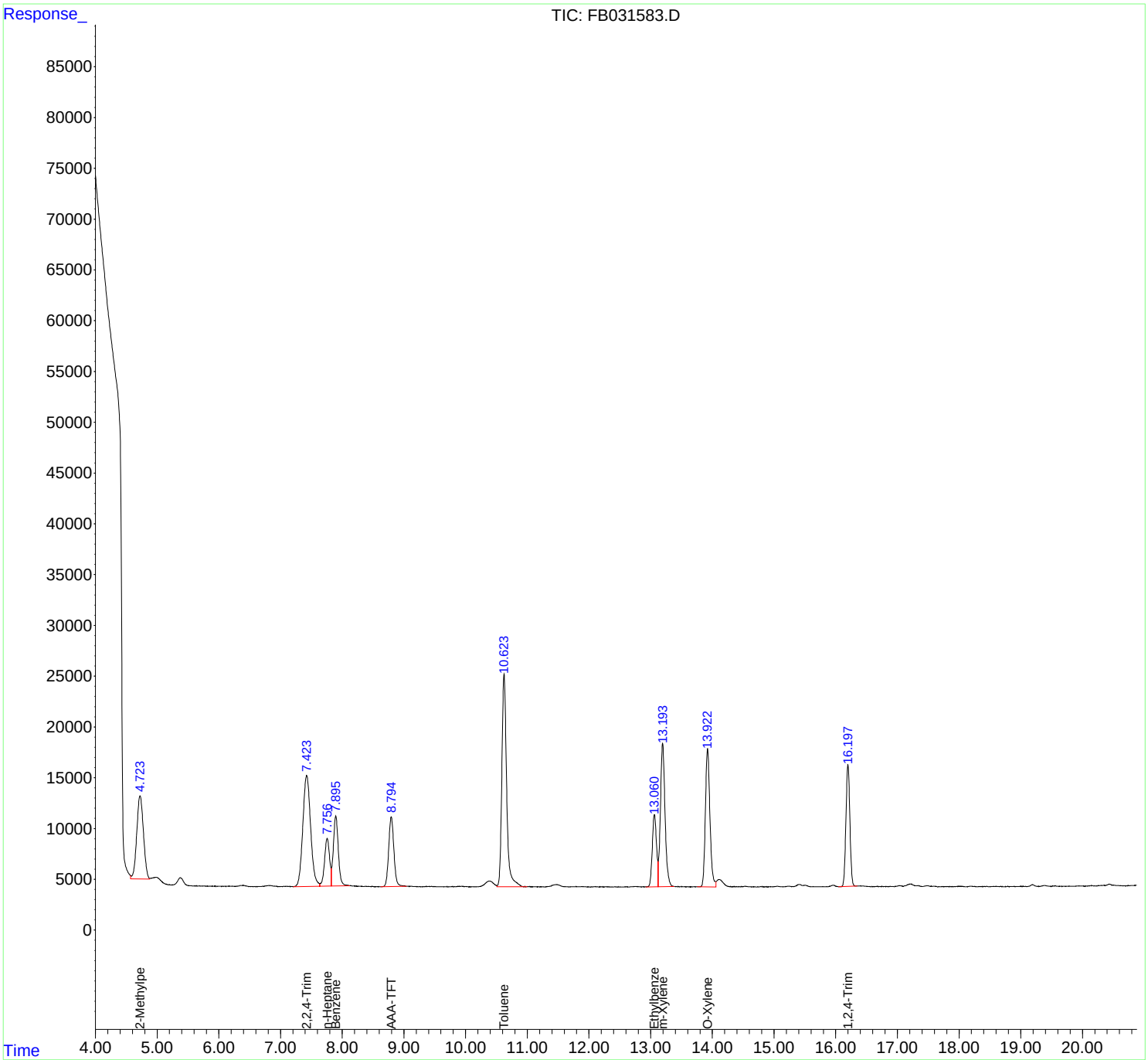
Integration File: Calibration.e
Quant Time: Mar 12 04:49:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
Quant Title :
QLast Update : Thu Mar 06 13:17:04 2025
Response via : Initial Calibration
Integrator: ChemStation

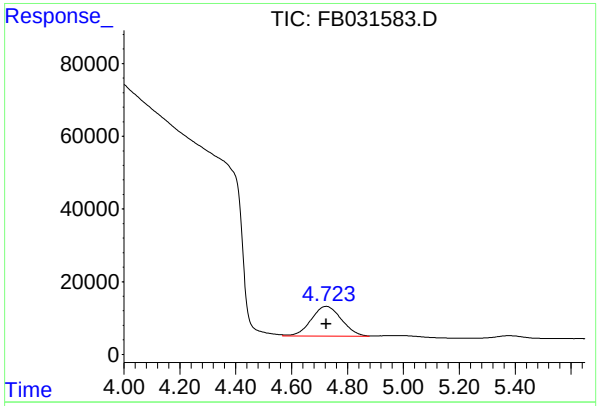
Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :mohammad ahmed 04/10/2025





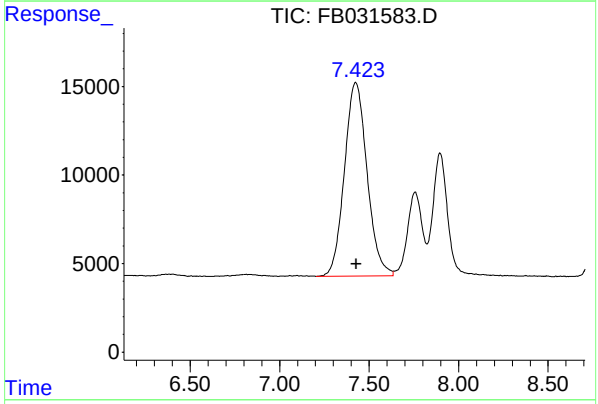
#1 2-Methylpentane

R.T.: 4.723 min
Delta R.T.: -0.001 min
Response: 620413
Conc: 24.39 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

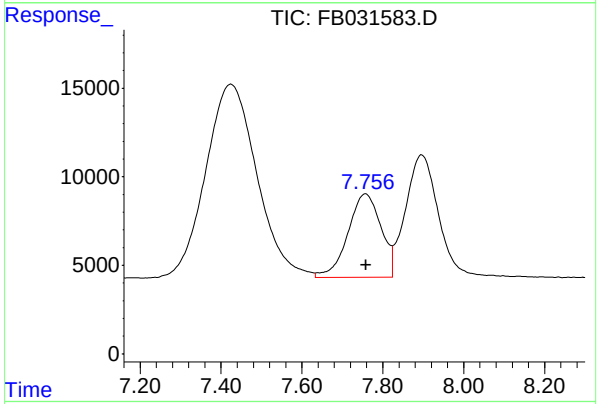
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :mohammad ahmed 04/10/2025



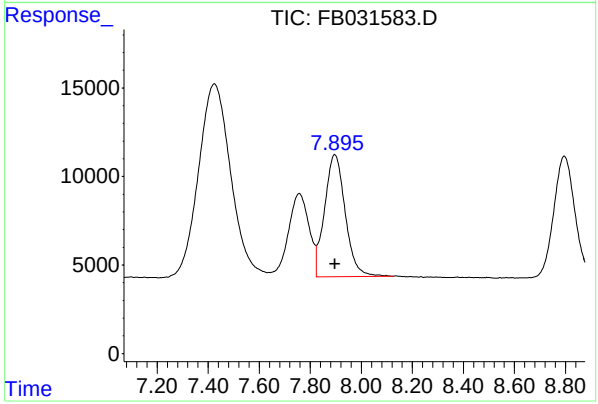
#2 2,2,4-Trimethylpentane

R.T.: 7.424 min
Delta R.T.: -0.004 min
Response: 959911
Conc: 27.69 ng/ml



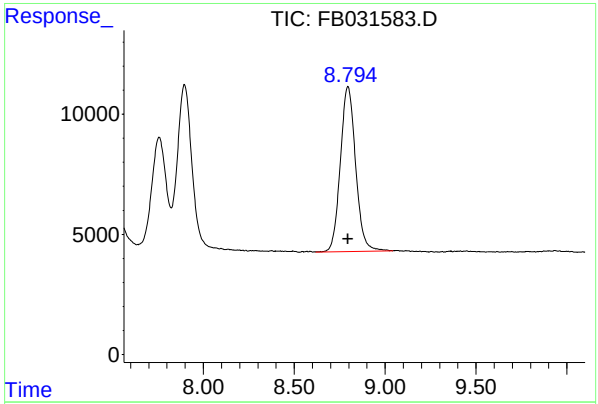
#3 n-Heptane

R.T.: 7.757 min
Delta R.T.: -0.001 min
Response: 267167
Conc: 8.63 ng/ml



#4 Benzene

R.T.: 7.896 min
Delta R.T.: 0.000 min
Response: 387188
Conc: 9.16 ng/ml



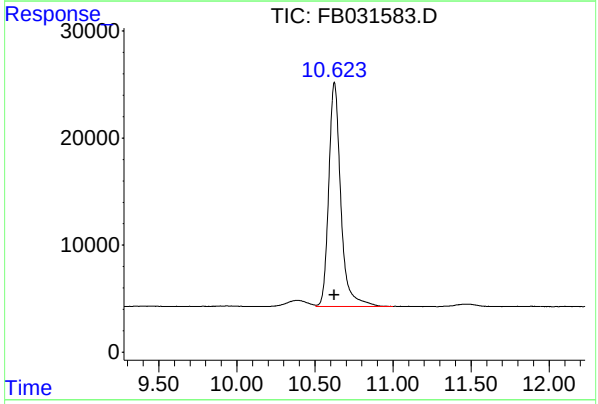
#5 AAA-TFT

R.T.: 8.796 min
Delta R.T.: 0.000 min
Response: 400847
Conc: 17.70 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

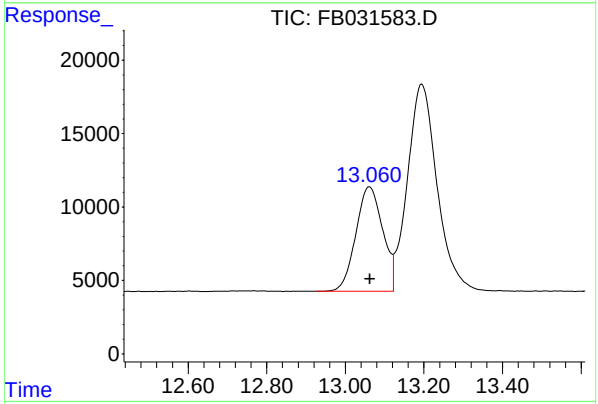
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :mohammad ahmed 04/10/2025



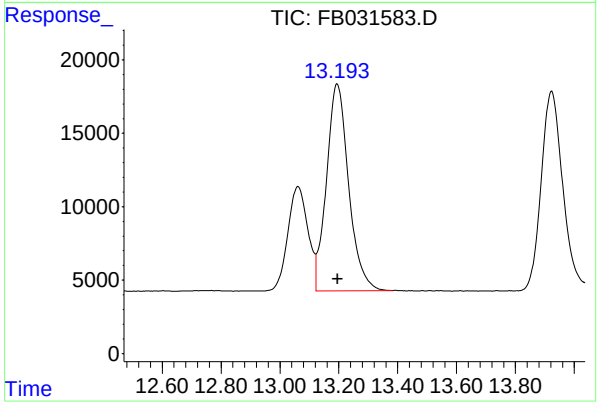
#6 Toluene

R.T.: 10.625 min
Delta R.T.: 0.000 min
Response: 1124769
Conc: 28.43 ng/ml



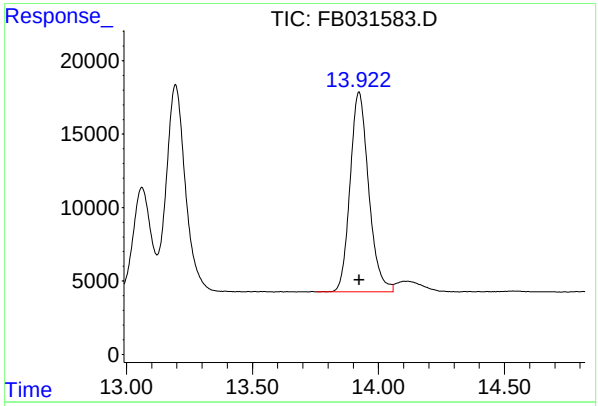
#7 Ethylbenzene

R.T.: 13.062 min
Delta R.T.: 0.000 min
Response: 337461
Conc: 9.57 ng/ml



#8 m-Xylene

R.T.: 13.195 min
Delta R.T.: 0.000 min
Response: 738014
Conc: 19.15 ng/ml



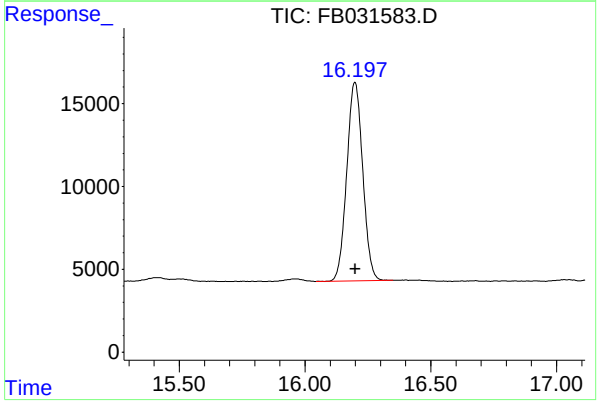
#9 O-Xylene

R.T.: 13.923 min
Delta R.T.: -0.001 min
Response: 698181
Conc: 18.92 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :mohammad ahmed 04/10/2025



#10 1,2,4-Trimethylbenzene

R.T.: 16.199 min
Delta R.T.: -0.002 min
Response: 530330
Conc: 18.77 ng/ml

Instrument :
FID_B
LabSampleId :
20 PPB GRO STD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :mohammad ahmed 04/10/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB03112
Data File : FB031583.D
Signal(s) : FID2B.CH
Acq On : 11 Mar 2025 17:20
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: Calibration.e

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

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.724	4.576	4.891	BV	8103	603886	53.69%	9.985%
2	7.424	7.204	7.633	BV	10941	959911	85.34%	15.872%
3	7.757	7.633	7.824	VV	4713	267167	23.75%	4.418%
4	7.896	7.824	8.125	VV	6904	387188	34.42%	6.402%
5	8.796	8.620	9.043	BV	6872	400847	35.64%	6.628%
6	10.625	10.507	11.000	VV	20953	1124769	100.00%	18.598%
7	13.062	12.926	13.122	PV	7109	337461	30.00%	5.580%
8	13.195	13.122	13.383	VV	14103	738014	65.61%	12.203%
9	13.923	13.753	14.058	PV	13614	698181	62.07%	11.544%
10	16.199	16.043	16.350	PV	11996	530330	47.15%	8.769%

Sum of corrected areas: 6047753

FB030625.M Wed Mar 12 04:53:11 2025

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

Analytical Sequence

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q1502

Project: NJ Waste Water PT **Instrument ID:** FID_B

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

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

MEAN SUROGATE RT FROM INITIAL CALIBRATION **8.795**

EPA SAMPLE NO.	LAB SAMPLE ID	DATE AND TIME ANALYZED	DATAFILE	RT	#
20 PPB GRO STD	20 PPB GRO STD	11 Mar 2025 13:37	FB031576.D	8.793	
VBF0311W1	VBF0311W1	11 Mar 2025 14:19	FB031577.D	8.794	
BSF0311W1	BSF0311W1	11 Mar 2025 14:47	FB031578.D	8.795	
BSF0311W2	BSF0311W2	11 Mar 2025 15:14	FB031579.D	8.796	
RR-GAS-WP	Q1502-18	11 Mar 2025 16:53	FB031582.D	8.805	
20 PPB GRO STD	20 PPB GRO STD	11 Mar 2025 17:20	FB031583.D	8.796	

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

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

QC SAMPLE DATA

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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	VBF0311W1	SDG No.:	Q1502
Lab Sample ID:	VBF0311W1	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
FB031577.D	1	03/11/25 14:19	FB031125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
GRO	GRO	6.00	U	6.00	45.0	ug/L
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	19.7		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\FB031125\
Data File : FB031577.D
Signal(s) : FID2B.CH
Acq On : 11 Mar 2025 14:19
Operator : YP/AJ
Sample : VBF0311W1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0311W1

Integration File: Calibration.e
Quant Time: Mar 12 04:26:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
Quant Title :
QLast Update : Thu Mar 06 13:17:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
System Monitoring Compounds				
5) s	AAA-TFT	8.794	446415	19.714 ng/ml
Target Compounds				

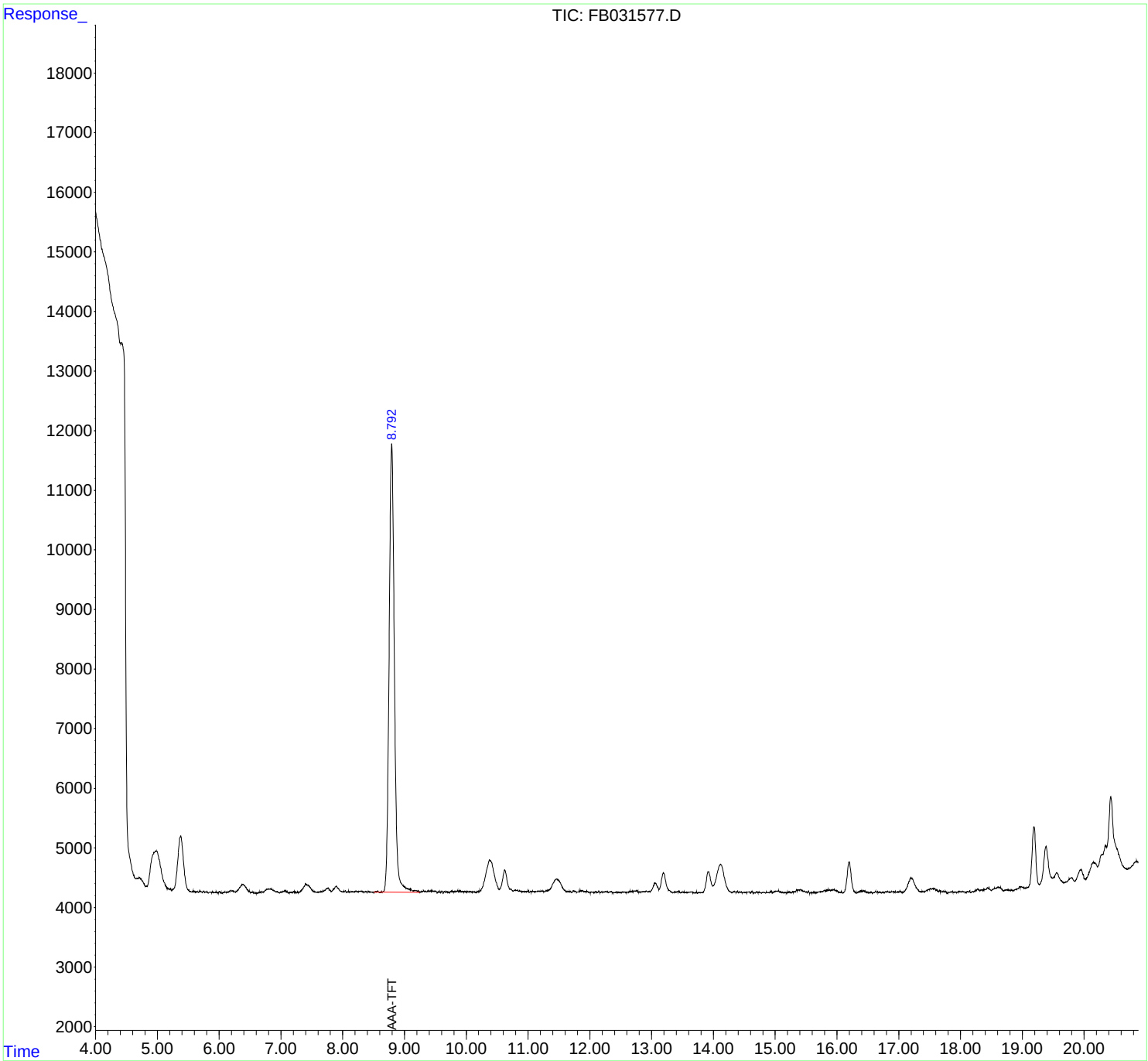
(f)=RT Delta > 1/2 Window (m)=manual int.

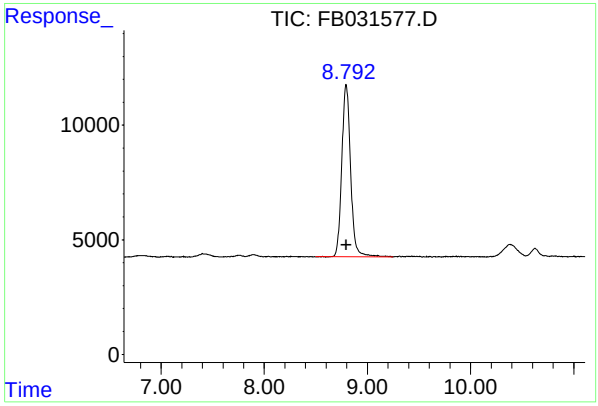
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB031125\
Data File : FB031577.D
Signal(s) : FID2B.CH
Acq On : 11 Mar 2025 14:19
Operator : YP/AJ
Sample : VBF0311W1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0311W1

Integration File: Calibration.e
Quant Time: Mar 12 04:26:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
Quant Title :
QLast Update : Thu Mar 06 13:17:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#5 AAA-TFT

R.T.: 8.794 min
Delta R.T.: -0.003 mir
Response: 446415
Conc: 19.71 ng/m

Instrument :
FID_B
ClientSampleId :
VBF0311W1

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB031125\
Data File : FB031577.D
Signal(s) : FID2B.CH
Acq On : 11 Mar 2025 14:19
Sample : VBF0311W1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: Calibration.e

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

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	8.794	8.581	8.999	BV	7483	430310	100.00%	100.000%

Sum of corrected areas: 430310

FB030625.M Wed Mar 12 04:51:11 2025

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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	BSF0311W1	SDG No.:	Q1502
Lab Sample ID:	BSF0311W1	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
FB031578.D	1	03/11/25 14:47	FB031125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
GRO	GRO	164		6.00	45.0	ug/L
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	17.0		50 - 150	85%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB031125\
Data File : FB031578.D
Signal(s) : FID2B.CH
Acq On : 11 Mar 2025 14:47
Operator : YP/AJ
Sample : BSF0311W1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0311W1

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :mohammad ahmed 04/10/2025

Integration File: Calibration.e
Quant Time: Mar 12 04:26:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
Quant Title :
QLast Update : Thu Mar 06 13:17:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
5) s	AAA-TFT	8.795	385293	17.015	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.719	651541	25.618	ng/mlm
2) t	2,2,4-Trimethylpentane	7.423	946493	27.299	ng/ml
3) t	n-Heptane	7.757	262737	8.488	ng/ml
4) t	Benzene	7.895	391899	9.272	ng/ml
6) t	Toluene	10.625	1088193	27.510	ng/ml
7) t	Ethylbenzene	13.062	322358	9.140	ng/ml
8) t	m-Xylene	13.195	716409	18.585	ng/ml
9) t	O-Xylene	13.924	720121	19.513	ng/ml
10) t	1,2,4-Trimethylbenzene	16.199	519429	18.384	ng/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB031125\
Data File : FB031578.D
Signal(s) : FID2B.CH
Acq On : 11 Mar 2025 14:47
Operator : YP/AJ
Sample : BSF0311W1
Misc :
ALS Vial : 3 Sample Multiplier: 1

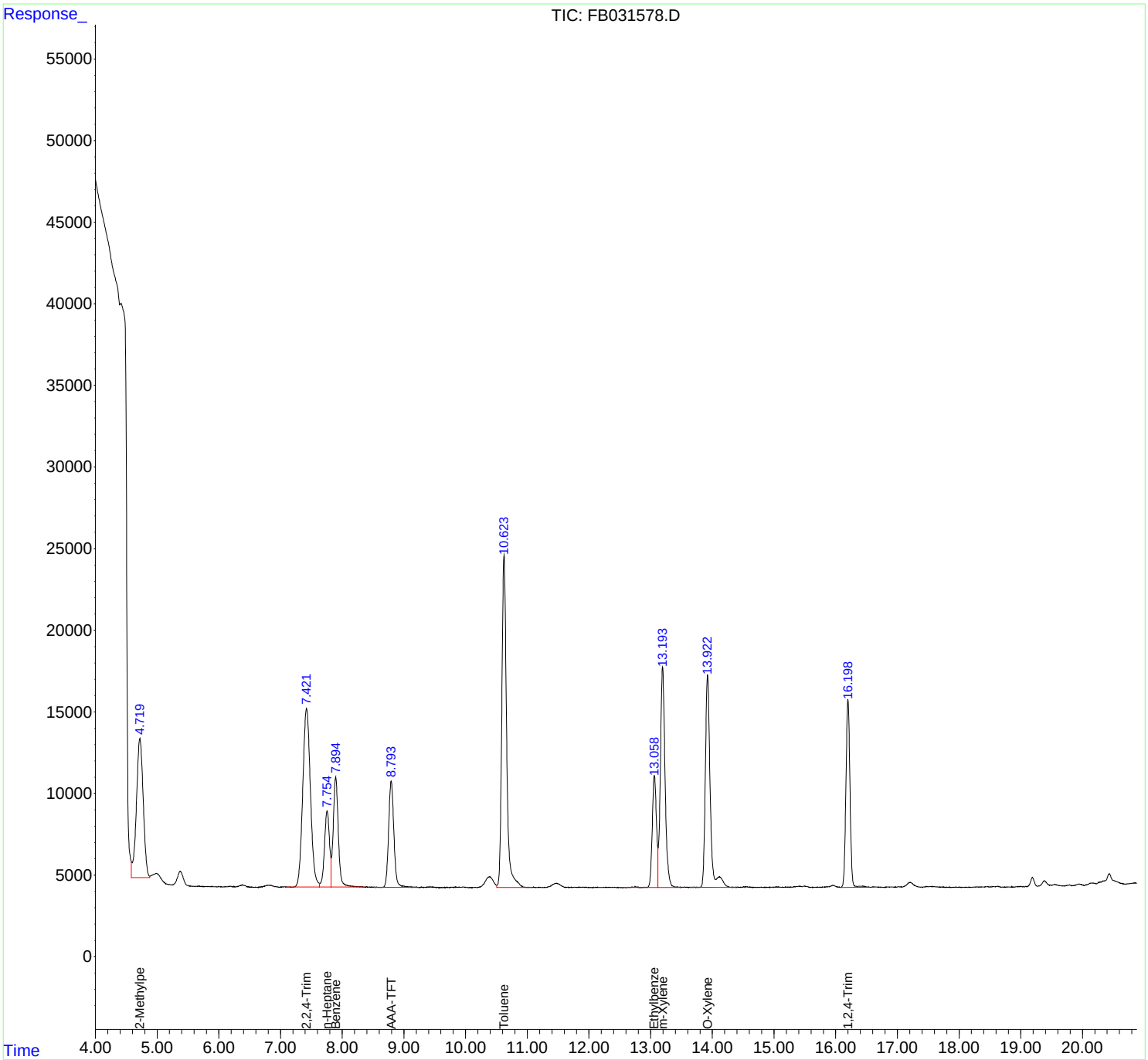
Integration File: Calibration.e
Quant Time: Mar 12 04:26:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
Quant Title :
QLast Update : Thu Mar 06 13:17:04 2025
Response via : Initial Calibration
Integrator: ChemStation

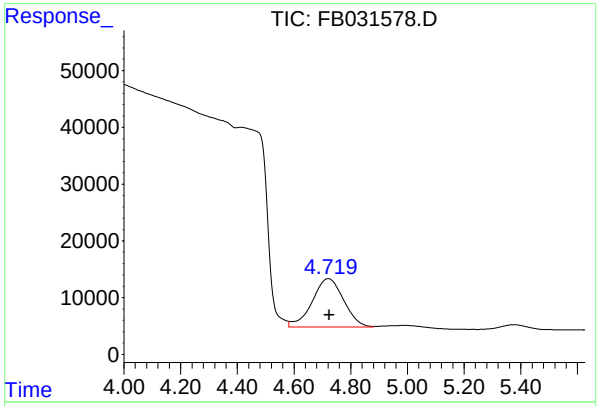
Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um

Instrument :
FID_B
ClientSampleId :
BSF0311W1

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :mohammad ahmed 04/10/2025





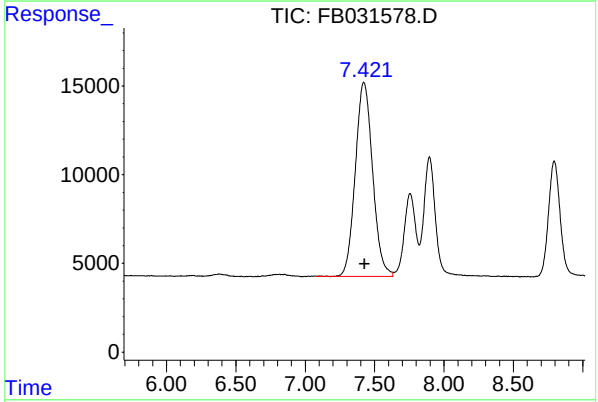
#1 2-Methylpentane

R.T.: 4.719 min
Delta R.T.: -0.005 min
Response: 651541
Conc: 25.62 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0311W1

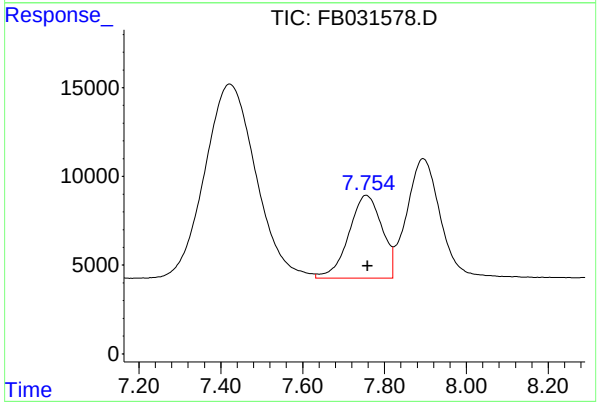
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :mohammad ahmed 04/10/2025



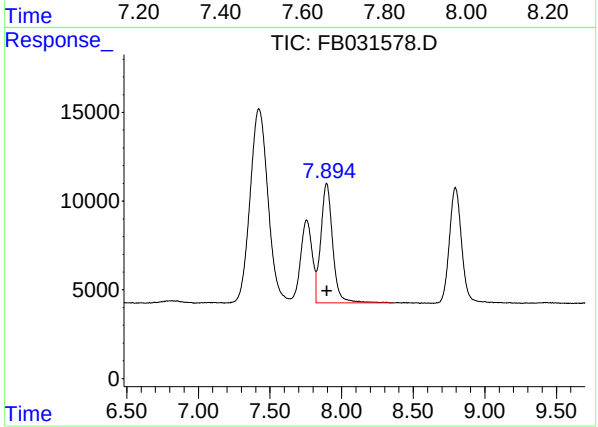
#2 2,2,4-Trimethylpentane

R.T.: 7.423 min
Delta R.T.: -0.005 min
Response: 946493
Conc: 27.30 ng/ml



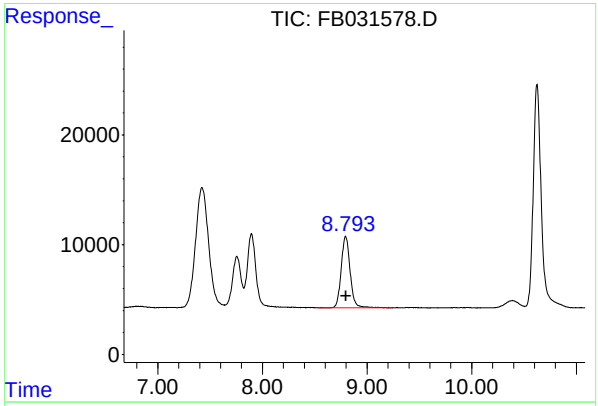
#3 n-Heptane

R.T.: 7.757 min
Delta R.T.: -0.002 min
Response: 262737
Conc: 8.49 ng/ml



#4 Benzene

R.T.: 7.895 min
Delta R.T.: -0.002 min
Response: 391899
Conc: 9.27 ng/ml



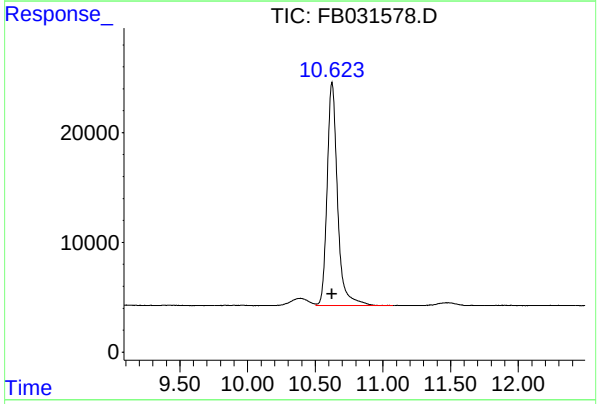
#5 AAA-TFT

R.T.: 8.795 min
Delta R.T.: -0.001 min
Response: 385293
Conc: 17.01 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0311W1

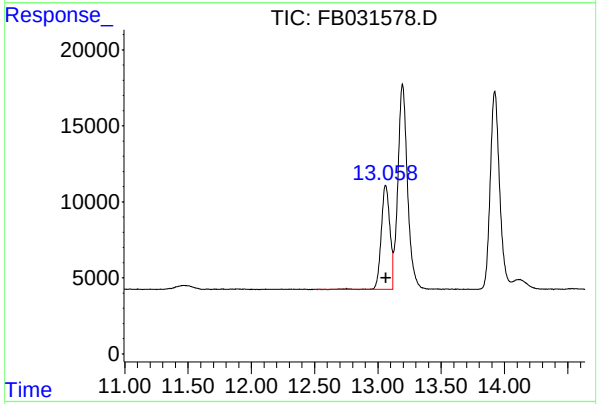
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :mohammad ahmed 04/10/2025



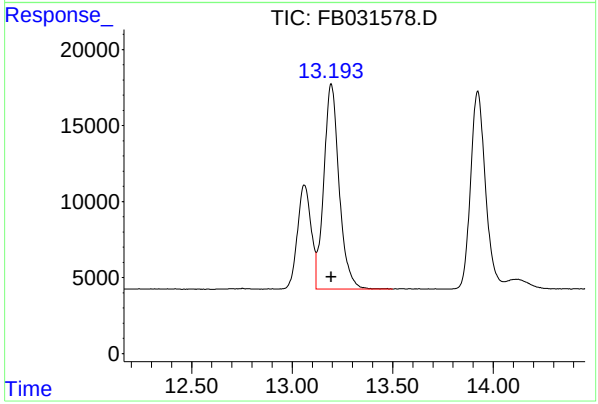
#6 Toluene

R.T.: 10.625 min
Delta R.T.: 0.000 min
Response: 1088193
Conc: 27.51 ng/ml



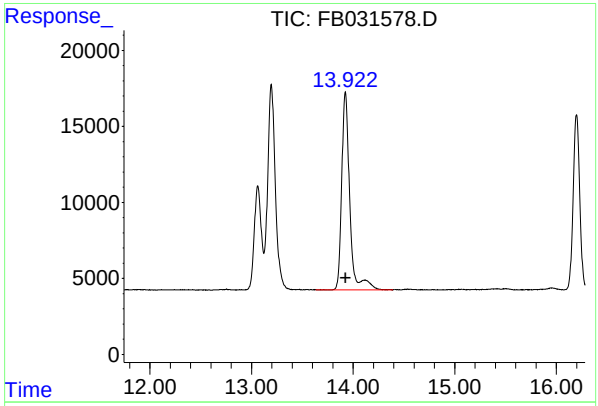
#7 Ethylbenzene

R.T.: 13.062 min
Delta R.T.: 0.000 min
Response: 322358
Conc: 9.14 ng/ml



#8 m-Xylene

R.T.: 13.195 min
Delta R.T.: 0.000 min
Response: 716409
Conc: 18.59 ng/ml



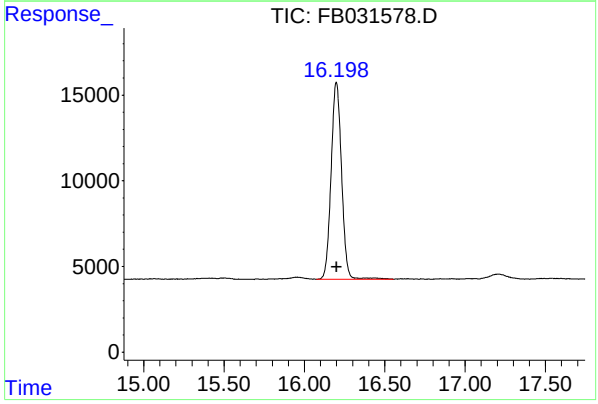
#9 O-Xylene

R.T.: 13.924 min
Delta R.T.: 0.000 mi
Response: 720121
Conc: 19.51 ng/m

Instrument :
FID_B
ClientSampleId :
BSF0311W1

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :mohammad ahmed 04/10/2025



#10 1,2,4-Trimethylbenzene

R.T.: 16.199 min
Delta R.T.: -0.001 min
Response: 519429
Conc: 18.38 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0311W1

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :mohammad ahmed 04/10/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB03112
Data File : FB031578.D
Signal(s) : FID2B.CH
Acq On : 11 Mar 2025 14:47
Sample : BSF0311W1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: Calibration.e

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

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.721	4.587	4.883	BV	7964	560100	51.48%	9.624%
2	7.422	7.165	7.641	BV	10935	943987	86.77%	16.220%
3	7.756	7.641	7.823	VV	4640	261145	24.00%	4.487%
4	7.895	7.823	8.136	VV	6698	377458	34.70%	6.486%
5	8.794	8.645	8.988	PV	6495	374865	34.46%	6.441%
6	10.624	10.509	10.986	VV	20349	1087913	100.00%	18.693%
7	13.060	12.931	13.121	PV	6852	324950	29.87%	5.583%
8	13.194	13.121	13.399	VV	13505	709777	65.24%	12.195%
9	13.923	13.744	14.054	BV	13019	669697	61.56%	11.507%
10	16.199	16.071	16.355	BV	11484	510136	46.89%	8.765%

Sum of corrected areas: 5820029

FB030625.M Wed Mar 12 04:51:37 2025

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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	BSF0311W2	SDG No.:	Q1502
Lab Sample ID:	BSF0311W2	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
FB031579.D	1	03/11/25 15:14	FB031125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
GRO	GRO	174		6.00	45.0	ug/L
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	17.6		50 - 150	88%	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\FB031125\
Data File : FB031579.D
Signal(s) : FID2B.CH
Acq On : 11 Mar 2025 15:14
Operator : YP/AJ
Sample : BSF0311W2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0311W2

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/12/2025
Supervised By :mohammad ahmed 04/10/2025

Integration File: Calibration.e
Quant Time: Mar 12 04:26:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
Quant Title :
QLast Update : Thu Mar 06 13:17:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
5) s	AAA-TFT	8.796	399196	17.629	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.722	702052	27.604	ng/mlm
2) t	2,2,4-Trimethylpentane	7.424	1003649	28.948	ng/ml
3) t	n-Heptane	7.758	280853	9.073	ng/ml
4) t	Benzene	7.897	415787	9.838	ng/ml
6) t	Toluene	10.625	1145692	28.963	ng/ml
7) t	Ethylbenzene	13.063	338624	9.601	ng/ml
8) t	m-Xylene	13.196	755120	19.590	ng/ml
9) t	O-Xylene	13.925	747873	20.266	ng/ml
10) t	1,2,4-Trimethylbenzene	16.200	542777	19.210	ng/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB031125\
Data File : FB031579.D
Signal(s) : FID2B.CH
Acq On : 11 Mar 2025 15:14
Operator : YP/AJ
Sample : BSF0311W2
Misc :
ALS Vial : 4 Sample Multiplier: 1

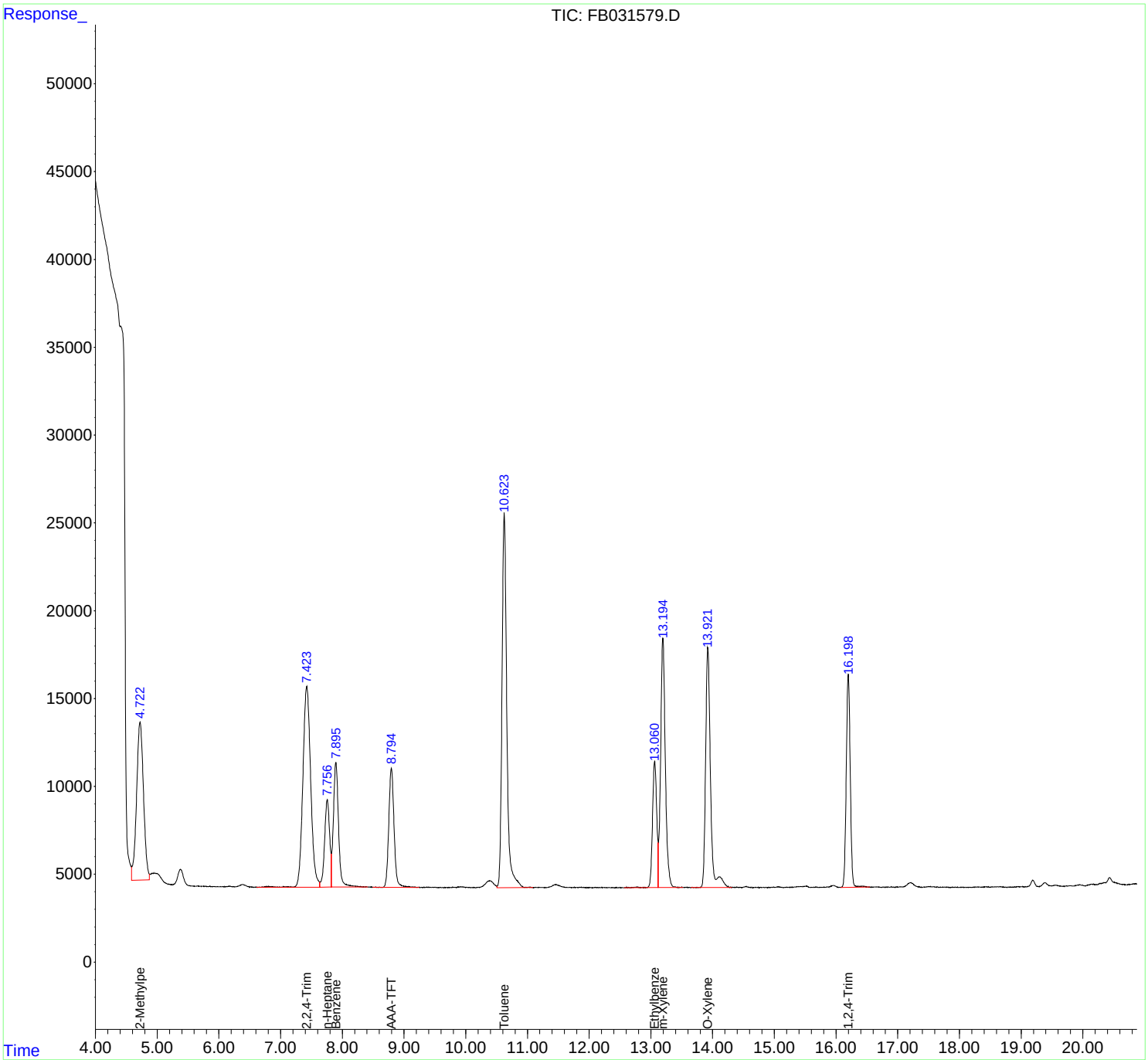
Integration File: Calibration.e
Quant Time: Mar 12 04:26:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
Quant Title :
QLast Update : Thu Mar 06 13:17:04 2025
Response via : Initial Calibration
Integrator: ChemStation

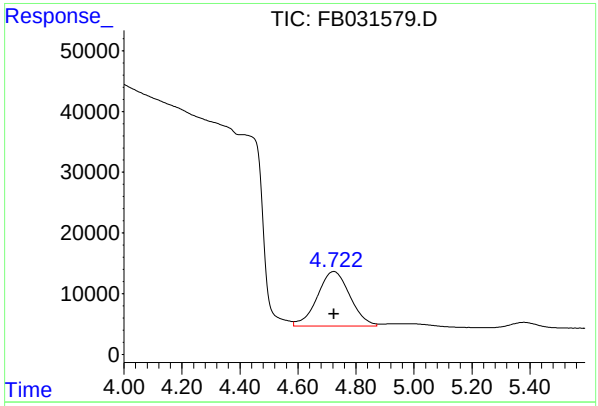
Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um

Instrument :
FID_B
ClientSampleId :
BSF0311W2

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :mohammad ahmed 04/10/2025





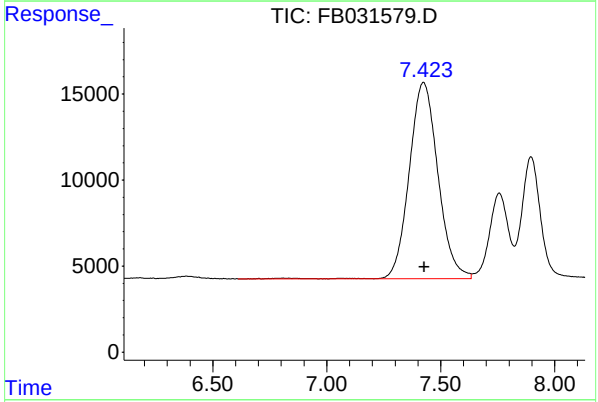
#1 2-Methylpentane

R.T.: 4.722 min
Delta R.T.: -0.002 min
Response: 702052
Conc: 27.60 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0311W2

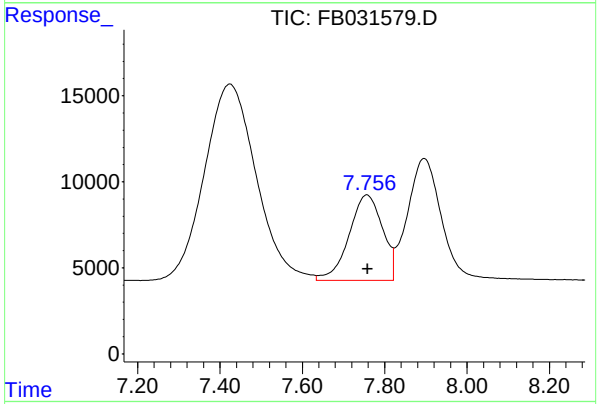
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :mohammad ahmed 04/10/2025



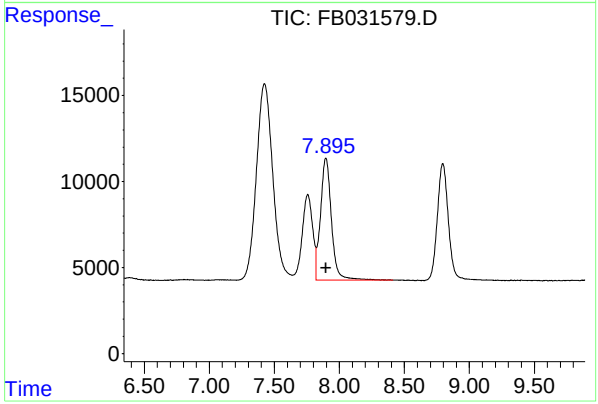
#2 2,2,4-Trimethylpentane

R.T.: 7.424 min
Delta R.T.: -0.004 min
Response: 1003649
Conc: 28.95 ng/ml



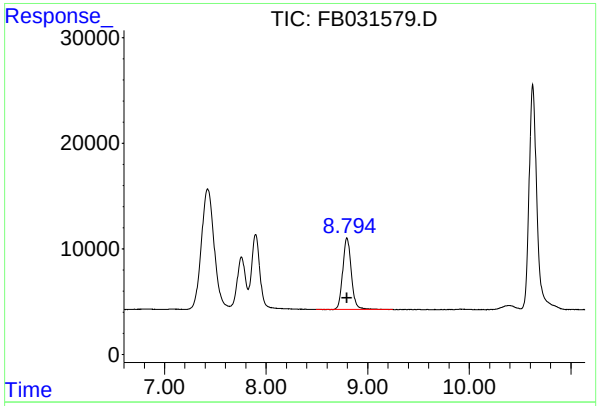
#3 n-Heptane

R.T.: 7.758 min
Delta R.T.: 0.000 min
Response: 280853
Conc: 9.07 ng/ml



#4 Benzene

R.T.: 7.897 min
Delta R.T.: 0.000 min
Response: 415787
Conc: 9.84 ng/ml



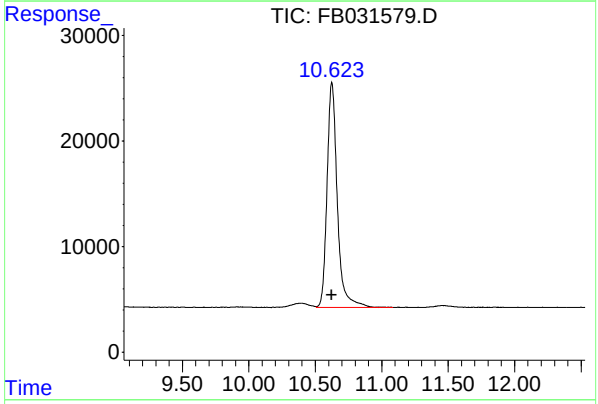
#5 AAA-TFT

R.T.: 8.796 min
Delta R.T.: 0.000 min
Response: 399196
Conc: 17.63 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0311W2

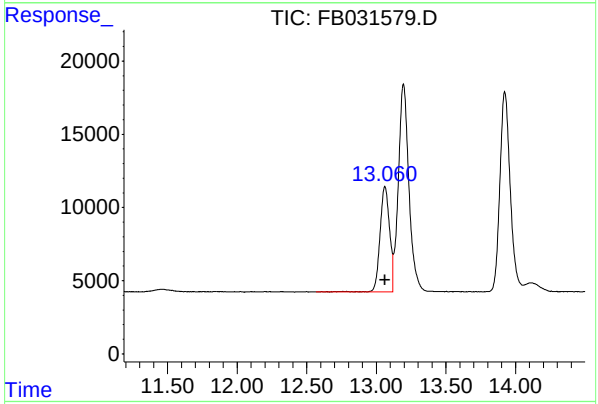
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :mohammad ahmed 04/10/2025



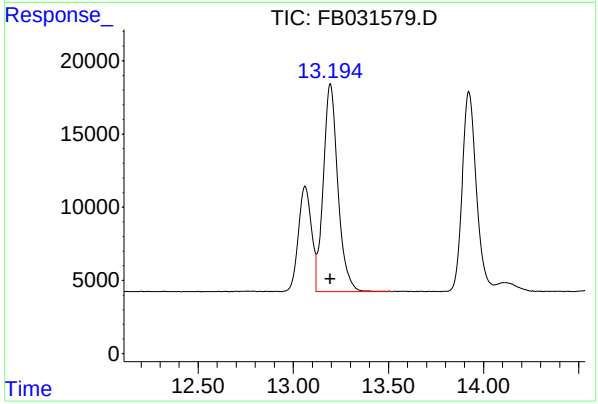
#6 Toluene

R.T.: 10.625 min
Delta R.T.: 0.000 min
Response: 1145692
Conc: 28.96 ng/ml



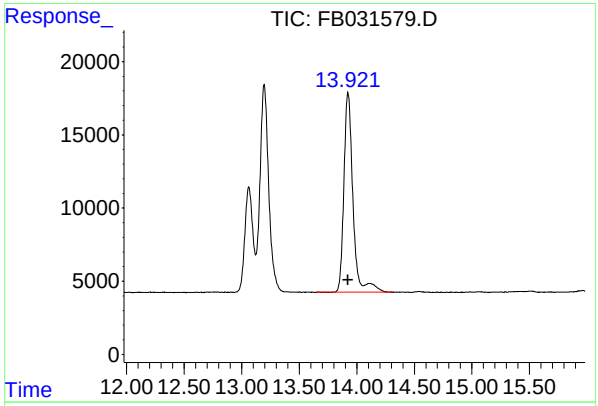
#7 Ethylbenzene

R.T.: 13.063 min
Delta R.T.: 0.000 min
Response: 338624
Conc: 9.60 ng/ml



#8 m-Xylene

R.T.: 13.196 min
Delta R.T.: 0.000 min
Response: 755120
Conc: 19.59 ng/ml



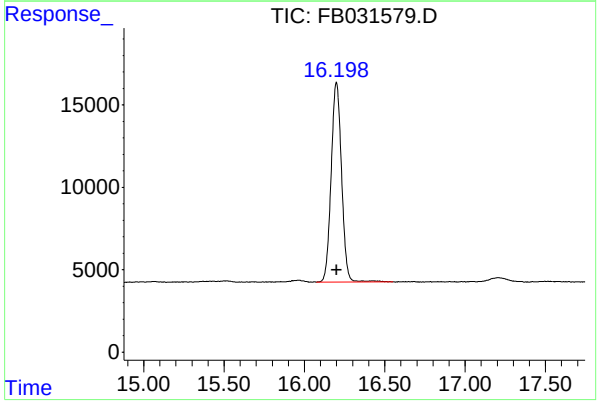
#9 O-Xylene

R.T.: 13.925 min
Delta R.T.: 0.000 min
Response: 747873
Conc: 20.27 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0311W2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :mohammad ahmed 04/10/2025



#10 1,2,4-Trimethylbenzene

R.T.: 16.200 min
Delta R.T.: 0.000 min
Response: 542777
Conc: 19.21 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0311W2

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :mohammad ahmed 04/10/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB03112
Data File : FB031579.D
Signal(s) : FID2B.CH
Acq On : 11 Mar 2025 15:14
Sample : BSF0311W2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: Calibration.e

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

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.724	4.592	4.890	PV	8440	607301	53.09%	9.850%
2	7.425	7.192	7.638	BV	11412	995196	87.00%	16.141%
3	7.757	7.638	7.824	VV	4956	280486	24.52%	4.549%
4	7.896	7.824	8.222	VV	7071	403353	35.26%	6.542%
5	8.796	8.659	9.102	PV	6795	398608	34.85%	6.465%
6	10.624	10.501	11.036	VV	21320	1143913	100.00%	18.553%
7	13.062	12.937	13.122	PV	7199	342926	29.98%	5.562%
8	13.195	13.122	13.491	VV	14212	751117	65.66%	12.182%
9	13.923	13.692	14.059	PV	13673	706818	61.79%	11.464%
10	16.200	16.074	16.403	PBA	12119	536038	46.86%	8.694%

Sum of corrected areas: 6165756

FB030625.M Wed Mar 12 04:52:02 2025

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

Manual Integration Report

Sample ID	ClientId ID	File ID	Sequence ID	Parameter	Supervised By	Supervised On	Reason
100 GRO STD		FB031560.D	FB030625	2-Methylpentane	mohammad	3/8/2025 4:29:00 AM	Peak Integrated by Software incorrectly

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

Manual Integration Report

Sample ID	ClientId ID	File ID	Sequence ID	Parameter	Supervised By	Supervised On	Reason
20 PPB GRO STD		FB031576.D	FB031125	2-Methylpentane	mohammad	4/10/2025 5:30:57 AM	Peak Integrated by Software incorrectly
BSF0311W1		FB031578.D	FB031125	2-Methylpentane	mohammad	4/10/2025 5:30:57 AM	Peak Integrated by Software incorrectly
BSF0311W2		FB031579.D	FB031125	2-Methylpentane	mohammad	4/10/2025 5:30:57 AM	Peak Integrated by Software incorrectly
Q1502-18		FB031580.D	FB031125	2-Methylpentane	mohammad	4/10/2025 5:30:57 AM	Peak Integrated by Software incorrectly
Q1502-18		FB031580.D	FB031125	Benzene	mohammad	4/10/2025 5:30:57 AM	Peak Integrated by Software incorrectly
Q1502-18		FB031580.D	FB031125	n-Heptane	mohammad	4/10/2025 5:30:57 AM	Peak Integrated by Software incorrectly
Q1502-18		FB031580.D	FB031125	Toluene	mohammad	4/10/2025 5:30:57 AM	Peak Integrated by Software incorrectly
Q1502-18		FB031582.D	FB031125	2,2,4-Trimethylpentane	mohammad	4/10/2025 5:30:57 AM	Peak Integrated by Software incorrectly
Q1502-18		FB031582.D	FB031125	2-Methylpentane	mohammad	4/10/2025 5:30:57 AM	Peak Integrated by Software incorrectly
Q1502-18		FB031582.D	FB031125	AAA-TFT	mohammad	4/10/2025 5:30:57 AM	Peak Integrated by Software incorrectly
Q1502-18		FB031582.D	FB031125	Benzene	mohammad	4/10/2025 5:30:57 AM	Peak Integrated by Software incorrectly
Q1502-18		FB031582.D	FB031125	n-Heptane	mohammad	4/10/2025 5:30:57 AM	Peak Integrated by Software incorrectly
20 PPB GRO STD		FB031583.D	FB031125	2-Methylpentane	mohammad	4/10/2025 5:30:57 AM	Peak Integrated by Software incorrectly

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Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QCBatch ID # FB030625

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

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

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

M : Manual Integration

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

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QCBatch ID # FB031125

Review By	yogesh	Review On	3/11/2025 3:19:26 PM		
Supervise By	mohammad	Supervise On	4/10/2025 5:30:57 AM		
SubDirectory	FB031125	HP Acquire Method		HP Processing Method	FB030625

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24219,PP24220,PP24221,PP24222,PP24223
CCC	PP24263,PP24264,PP24265
Internal Standard/PEM	
ICV/I.BLK	PP24111,PP24224
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	20 PPB GRO STD	FB031576.D	11 Mar 2025 13:37	YP/AJ	Ok,M
2	VBF0311W1	FB031577.D	11 Mar 2025 14:19	YP/AJ	Ok
3	BSF0311W1	FB031578.D	11 Mar 2025 14:47	YP/AJ	Ok,M
4	BSF0311W2	FB031579.D	11 Mar 2025 15:14	YP/AJ	Ok,M
5	Q1502-18	FB031580.D	11 Mar 2025 15:42	YP/AJ	Dilution
6	I.BLK	FB031581.D	11 Mar 2025 16:25	YP/AJ	Ok
7	Q1502-18	FB031582.D	11 Mar 2025 16:53	YP/AJ	Ok,M
8	20 PPB GRO STD	FB031583.D	11 Mar 2025 17:20	YP/AJ	Ok,M

M : Manual Integration

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

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QCBatch ID # FB030625

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

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

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

M : Manual Integration

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

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QCBatch ID # FB031125

Review By	yogesh	Review On	3/11/2025 3:19:26 PM		
Supervise By	mohammad	Supervise On	4/10/2025 5:30:57 AM		
SubDirectory	FB031125	HP Acquire Method		HP Processing Method	FB030625

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24219,PP24220,PP24221,PP24222,PP24223
CCC	PP24263,PP24264,PP24265
Internal Standard/PEM	
ICV/I.BLK	PP24111,PP24224
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	20 PPB GRO STD		FB031576.D	11 Mar 2025 13:37		YP/AJ	Ok,M
2	VBF0311W1		FB031577.D	11 Mar 2025 14:19		YP/AJ	Ok
3	BSF0311W1		FB031578.D	11 Mar 2025 14:47		YP/AJ	Ok,M
4	BSF0311W2		FB031579.D	11 Mar 2025 15:14		YP/AJ	Ok,M
5	Q1502-18		FB031580.D	11 Mar 2025 15:42	need 5x dilution	YP/AJ	Dilution
6	I.BLK		FB031581.D	11 Mar 2025 16:25		YP/AJ	Ok
7	Q1502-18		FB031582.D	11 Mar 2025 16:53		YP/AJ	Ok,M
8	20 PPB GRO STD		FB031583.D	11 Mar 2025 17:20		YP/AJ	Ok,M

M : Manual Integration

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

Prep Standard - Chemical Standard Summary

Order ID : Q1502

Test : Gasoline Range Organics

Prepbatch ID :

Sequence ID/Qc Batch ID: FB031125,

Standard ID :
PP24110,PP24111,PP24112,PP24219,PP24220,PP24221,PP24222,PP24223,PP24224,PP24263,PP24264,PP24265,

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

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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
237	10 PPB ICC GRO STD	PP24220	03/06/2025	07/13/2025	Yogesh Patel	None	None	Ankita Jodhani 03/10/2025

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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
239	20 PPB ICC GRO STD	PP24221	03/06/2025	07/13/2025	Yogesh Patel	None	None	Ankita Jodhani 03/10/2025

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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
235	50 PPB ICC GRO STD	PP24222	03/06/2025	07/13/2025	Yogesh Patel	None	None	Ankita Jodhani 03/10/2025

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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
234	100 PPB ICC GRO STD	PP24223	03/06/2025	07/13/2025	Yogesh Patel	None	None	Ankita Jodhani 03/10/2025

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

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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
240	20 PPB ICV GRO STD	PP24224	03/06/2025	07/13/2025	Yogesh Patel	None	None	Ankita Jodhani 03/10/2025

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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
241	20 PPB CCC GRO STD	PP24263	03/11/2025	07/13/2025	Yogesh Patel	None	None	Ankita Jodhani 03/12/2025

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	PP24264	03/11/2025	07/13/2025	Yogesh Patel	None	None	Ankita Jodhani 03/12/2025

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	PP24265	03/11/2025	07/13/2025	Yogesh Patel	None	None	Ankita Jodhani 03/12/2025

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
DD
P9817 To P9826 (10)

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

Description : Gasoline Range Organics Mix (EPA)

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

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

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

CERTIFIED VALUES

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

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

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

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

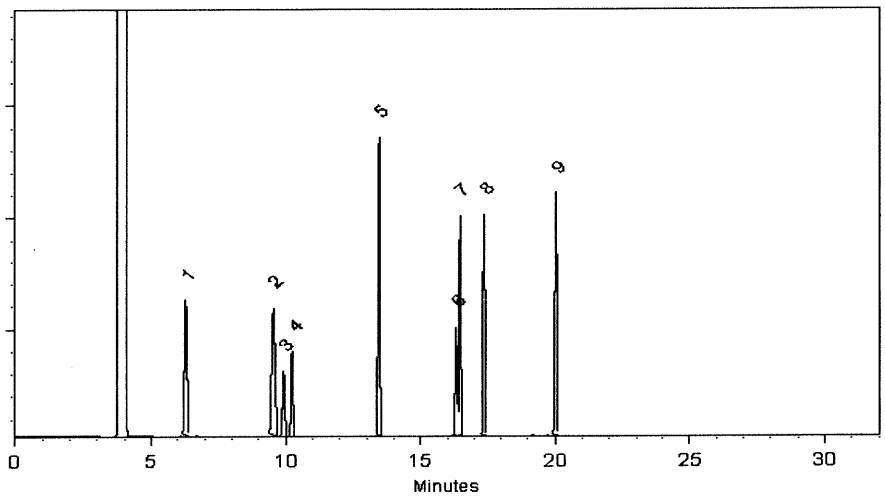
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



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

Miranda Kline - Operations Technician I

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

Fang-Yun Lo - QC Analyst

Date Passed: 23-Dec-2019

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB031125\
Data File : FB031580.D
Signal(s) : FID2B.CH
Acq On : 11 Mar 2025 15:42
Operator : YP/AJ
Sample : Q1502-18
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
RR-GAS-WP

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/12/2025
Supervised By :mohammad ahmed 04/10/2025

Integration File: Calibration.e
Quant Time: Mar 12 04:47:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
Quant Title :
QLast Update : Thu Mar 06 13:17:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
5) s	AAA-TFT	8.851	2245364	99.157	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.723	691699	27.197	ng/mlm
2) t	2,2,4-Trimethylpentane	7.402	1935177	55.816	ng/ml
3) t	n-Heptane	7.756	2736228	88.394	ng/mlm
4) t	Benzene	7.882	548579	12.980	ng/mlm
6) t	Toluene	10.624	6699667	169.370	ng/mlm
7) t	Ethylbenzene	13.061	2055766	58.286	ng/ml
8) t	m-Xylene	13.195	6464825	167.712	ng/ml
9) t	O-Xylene	13.925	2605122	70.592	ng/ml
10) t	1,2,4-Trimethylbenzene	16.200	2149806	76.088	ng/ml

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

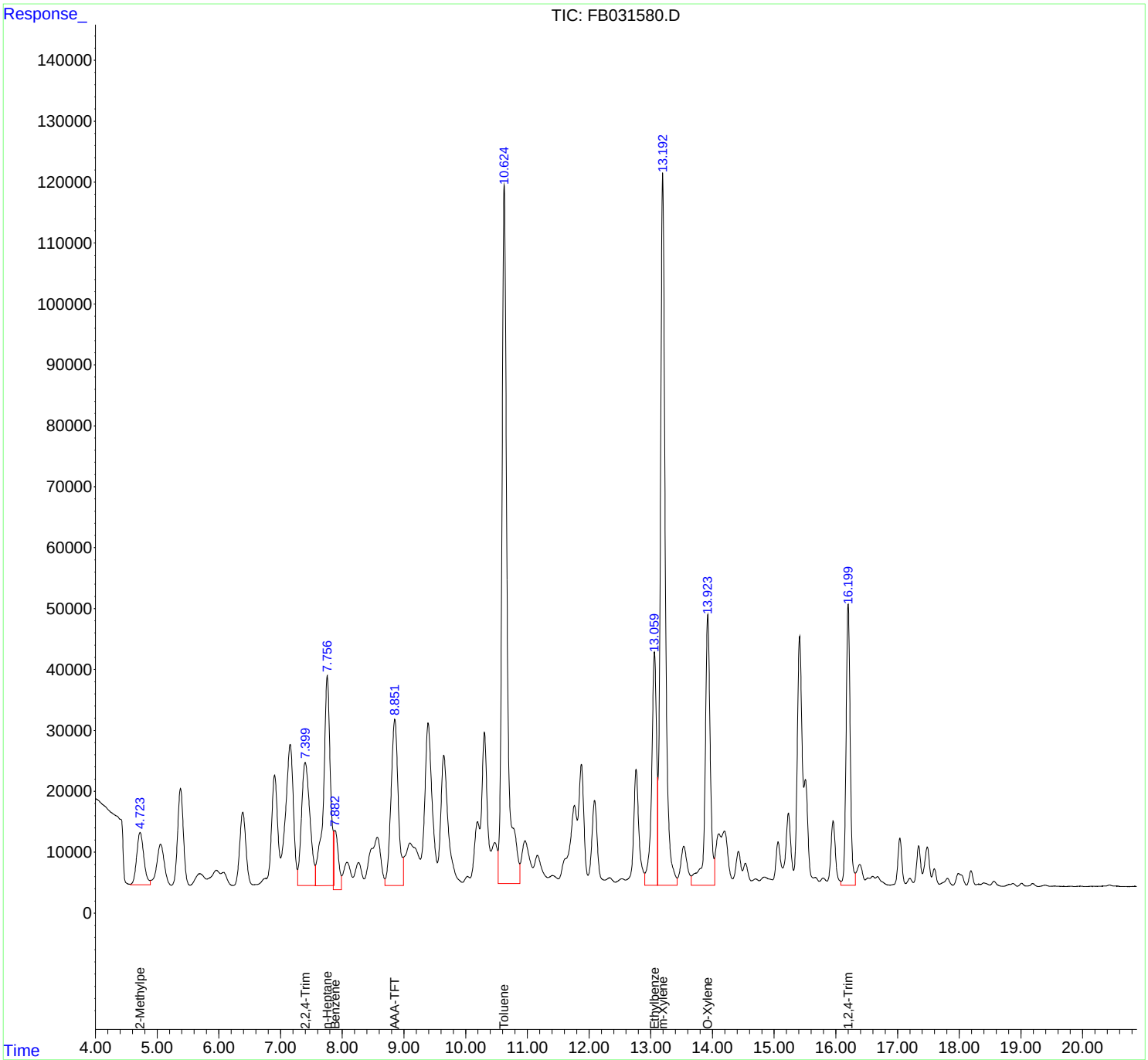
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB031125\
Data File : FB031580.D
Signal(s) : FID2B.CH
Acq On : 11 Mar 2025 15:42
Operator : YP/AJ
Sample : Q1502-18
Misc :
ALS Vial : 5 Sample Multiplier: 1

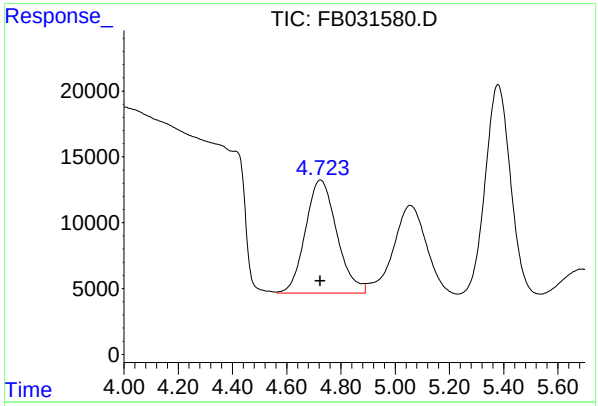
Integration File: Calibration.e
Quant Time: Mar 12 04:47:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
Quant Title :
QLast Update : Thu Mar 06 13:17:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_B
ClientSampleId :
RR-GAS-WP

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/12/2025
Supervised By :mohammad ahmed 04/10/2025





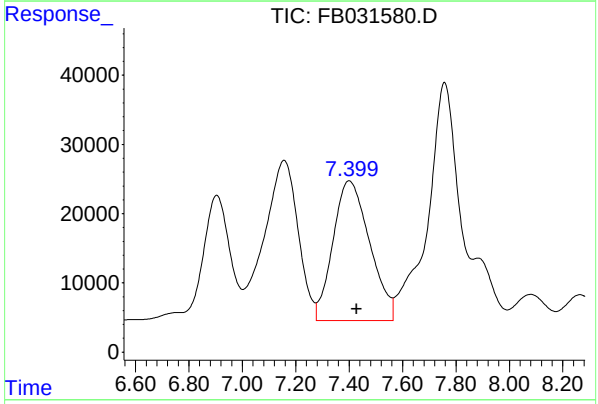
#1 2-Methylpentane

R.T.: 4.723 min
Delta R.T.: -0.001 mi
Response: 691699
Conc: 27.20 ng/ml

Instrument :
FID_B
ClientSampleId :
RR-GAS-WP

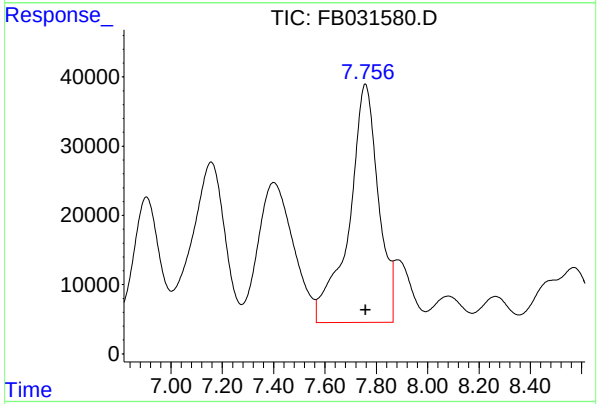
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :mohammad ahmed 04/10/2025



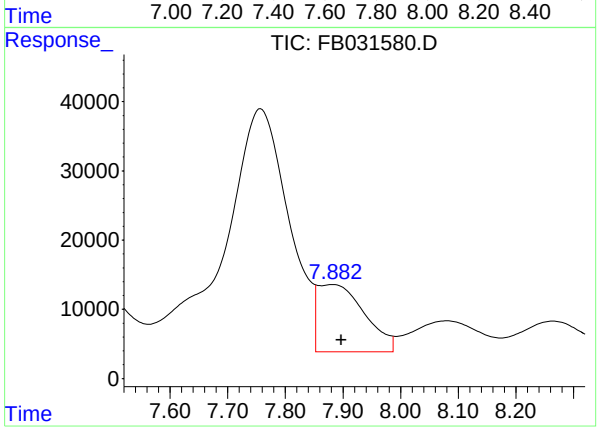
#2 2,2,4-Trimethylpentane

R.T.: 7.402 min
Delta R.T.: -0.026 min
Response: 1935177
Conc: 55.82 ng/ml



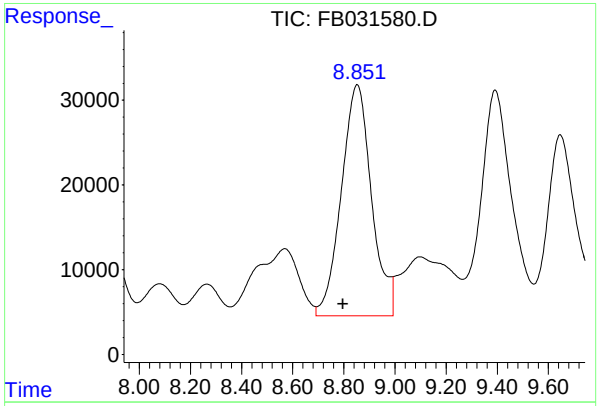
#3 n-Heptane

R.T.: 7.756 min
Delta R.T.: -0.002 min
Response: 2736228
Conc: 88.39 ng/ml m



#4 Benzene

R.T.: 7.882 min
Delta R.T.: -0.015 min
Response: 548579
Conc: 12.98 ng/ml m



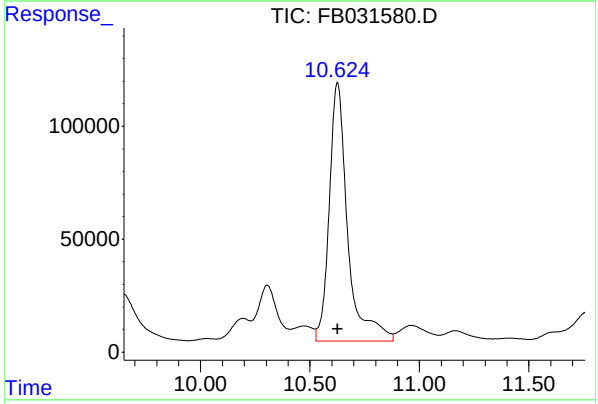
#5 AAA-TFT

R.T.: 8.851 min
Delta R.T.: 0.055 min
Response: 2245364
Conc: 99.16 ng/ml

Instrument :
FID_B
ClientSampleId :
RR-GAS-WP

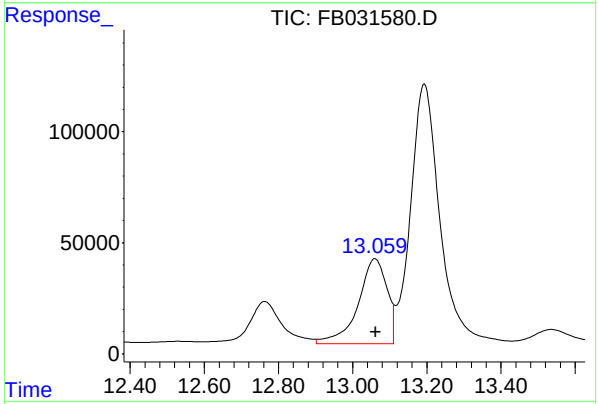
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :mohammad ahmed 04/10/2025



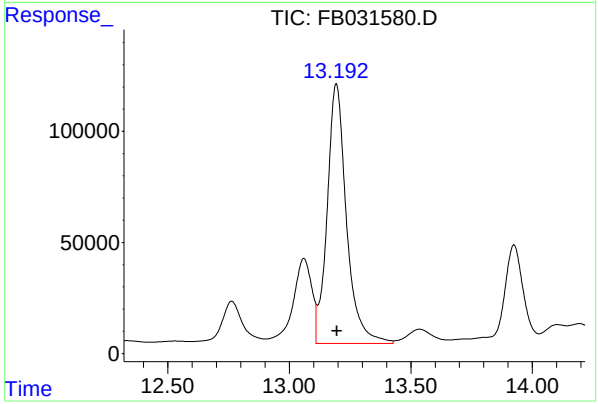
#6 Toluene

R.T.: 10.624 min
Delta R.T.: 0.000 min
Response: 6699667
Conc: 169.37 ng/ml m



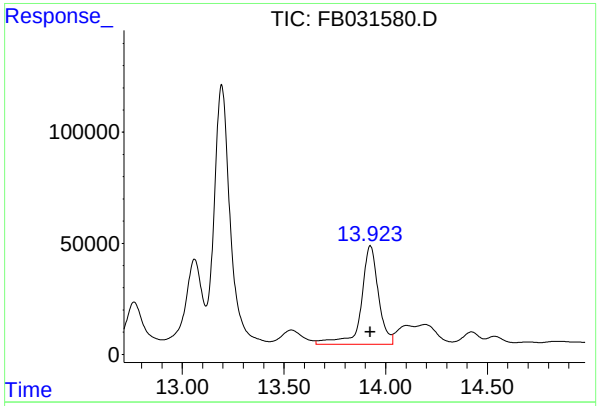
#7 Ethylbenzene

R.T.: 13.061 min
Delta R.T.: -0.001 min
Response: 2055766
Conc: 58.29 ng/ml



#8 m-Xylene

R.T.: 13.195 min
Delta R.T.: -0.001 min
Response: 6464825
Conc: 167.71 ng/ml



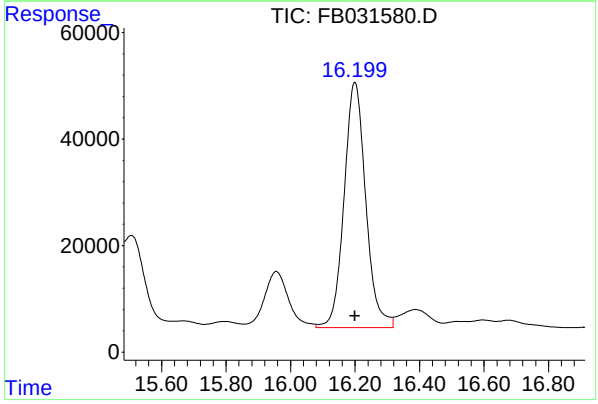
#9 O-Xylene

R.T.: 13.925 min
Delta R.T.: 0.000 min
Response: 2605122
Conc: 70.59 ng/ml

Instrument :
FID_B
ClientSampleId :
RR-GAS-WP

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :mohammad ahmed 04/10/2025



#10 1,2,4-Trimethylbenzene

R.T.: 16.200 min
Delta R.T.: 0.000 min
Response: 2149806
Conc: 76.09 ng/ml

Instrument :
FID_B
ClientSampleId :
RR-GAS-WP

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :mohammad ahmed 04/10/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB03112
Data File : FB031580.D
Signal(s) : FID2B.CH
Acq On : 11 Mar 2025 15:42
Sample : Q1502-18
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: SAMPLE.e

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

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.724	4.604	4.877	PV	8055	590547	8.79%	1.146%
2	5.691	5.542	5.803	VV	1928	192269	2.86%	0.373%
3	5.960	5.803	6.030	VV	2497	246888	3.68%	0.479%
4	6.078	6.030	6.227	VV	2160	137694	2.05%	0.267%
5	6.389	6.227	6.563	PV	12054	839512	12.50%	1.629%
6	7.157	7.003	7.276	VV	23117	2027762	30.19%	3.935%
7	7.400	7.276	7.564	VV	20154	1921126	28.61%	3.728%
8	7.758	7.564	7.993	VV	34337	3148637	46.88%	6.110%
9	8.080	7.993	8.174	VV	3681	276636	4.12%	0.537%
10	8.265	8.174	8.356	VV	3626	255516	3.80%	0.496%
11	8.569	8.356	8.692	VV	7781	917531	13.66%	1.780%
12	8.852	8.692	8.984	VV	27142	2192421	32.65%	4.254%
13	9.099	8.984	9.264	VV	6772	936308	13.94%	1.817%
14	9.393	9.264	9.542	VV	26485	2205277	32.84%	4.279%
15	9.647	9.542	9.947	VV	21172	1783454	26.56%	3.461%
16	10.031	9.947	10.075	VV	1227	66506	0.99%	0.129%
17	10.194	10.075	10.230	VV	10206	579103	8.62%	1.124%
18	10.305	10.230	10.412	VV	24858	1546926	23.03%	3.002%
19	10.473	10.412	10.526	VV	6781	418718	6.23%	0.812%
20	10.626	10.526	10.879	VV	114665	6715675	100.00%	13.031%
21	10.964	10.879	11.091	VV	7025	621206	9.25%	1.205%
22	11.165	11.091	11.336	VV	4618	399230	5.94%	0.775%
23	11.408	11.336	11.505	VV	1286	107829	1.61%	0.209%
24	11.764	11.505	11.809	VV	12757	1108162	16.50%	2.150%
25	11.876	11.809	11.984	VV	19514	1156789	17.23%	2.245%
26	12.091	11.984	12.257	VV	13560	829343	12.35%	1.609%
27	12.333	12.257	12.427	VV	864	56095	0.84%	0.109%
28	12.534	12.427	12.594	VV	675	45517	0.68%	0.088%
29	12.764	12.594	12.903	VV	18611	1097720	16.35%	2.130%
30	13.060	12.903	13.115	VV	37859	2057313	30.63%	3.992%
31	13.194	13.115	13.429	VV	116468	6324075	94.17%	12.271%
32	13.536	13.429	13.657	VV	5957	416548	6.20%	0.808%
33	13.924	13.657	14.029	VV	43865	2480414	36.93%	4.813%
34	14.105	14.029	14.142	VV	7932	448231	6.67%	0.870%
35	14.193	14.142	14.327	VV	8376	570990	8.50%	1.108%
36	14.422	14.327	14.488	VV	5048	273639	4.07%	0.531%

Instrument :
FID_B
ClientSampleId :
RR-GAS-WP

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :mohammad ahmed 04/10/2025

rteres

37	14.535	14.488	14.634	VV	3083	153967	2.29%	0.299%
38	14.700	14.634	14.759	VV	495	25318		
39	14.843	14.759	14.973	VV	787	67162		
40	15.065	14.973	15.140	VV	6549	338102		
41	15.232	15.140	15.315	VV	11285	626742		
42	15.413	15.315	15.636	VV	40243	2847574		
43	15.664	15.636	15.734	VV	678	26187	0.39%	0.051%
44	15.796	15.734	15.855	VV	564	22074	0.33%	0.043%
45	15.956	15.855	16.085	VV	9938	471336	7.02%	0.915%
46	16.200	16.085	16.317	PV	44798	1966569	29.28%	3.816%

Sum of corrected areas: 51536636

FB030625.M Wed Mar 12 04:07:53 2025

SHIPPING DOCUMENTS

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Packing List

Date	Order #
03/03/2025	333289

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Golden, CO 80403

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

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Ship To

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

Received by: SJ
3/5/2025 14:30

Customer PO #	Terms	PT Acct #	Customer #	Ship Via	F.O.B.
PO2-1517	Net 30	ZCM-100	1500470	FedEx 2nd Day	Golden, CO

Qty Ordered	Qty Shipped	Qty Backorder	Part Number	Part Description	Study Number	Lot Number
			PT-TMSET-WP	WP Trace Metals Set : (TM1, HG and SNTI)		
1	1	0	PT-TM1-WP	WP Trace Metals 1	WP0325	8264-04
1	1	0	PT-HG-WP	WP Mercury	WP0325	8264-05
1	1	0	PT-SNTI-WP	WP Tin & Titanium	WP0325	8264-38
1	1	0	PT-CR6-WP	WP Hexavalent Chromium	WP0325	8264-06
1	1	0	PT-DEM-WP	WP Demand	WP0325	8264-07
			PT-MINSET-WP	WP Minerals Set : (MIN1, MIN2 and COND)		
1	1	0	PT-MIN1-WP	WP Minerals 1 Only	WP0325	8264-08
1	1	0	PT-MIN2-WP	WP Minerals 2 Only	WP0325	8264-102
1	1	0	PT-COND-WP	WP Conductivity Only	WP0325	8264-72
1	1	0	PT-SOL-WP	WP Solids	WP0325	8264-09
			PT-NUTSET-WP	WP Nutrients Set : (NUT1, NUT2 and NUT3)		
1	1	0	PT-NUT1-WP	WP NUT1 Simple Nutrients Only	WP0325	8264-10
1	1	0	PT-NUT2-WP	WP NUT2 - Complex Nutrients	WP0325	8264-11
1	1	0	PT-NUT3-WP	WP NUT3 - Nitrite Only	WP0325	8264-69
1	1	0	PT-OGR1L-WP	WP Oil and Grease 1L	WP0325	8264-103
1	1	0	PT-CL-WP	WP Residual Chlorine	WP0325	8264-13
1	1	0	PT-PH-WP	WP pH	WP0325	8264-15
1	1	0	PT-CN-WP	WP Cyanide	WP0325	8264-14
1	1	0	PT-PHEN-WP	WP Phenolics	WP0325	8264-16

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3/5/2025 14:30

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PO2-1517	Net 30	ZCM-100	1500470	FedEx 2nd Day	Golden, CO

Qty Ordered	Qty Shipped	Qty Backorder	Part Number	Part Description	Study Number	Lot Number
1	1	0	PT-S2-WP	WP Sulfide	WP0325	8264-22
1	1	0	PT-SSOL-WP	WP Settleable Solids	WP0325	8264-17
1	1	0	PT-TURB-WP	WP Turbidity	WP0325	8264-20
1	1	0	PT-VOA-WP	WP Volatiles	WP0325	8264-26
1	1	0	PT-BN-WP	WP Base Neutrals	WP0325	8264-27
1	1	0	PT-ACIDS-WP	WP Acids	WP0325	8264-28
1	1	0	PT-PEST-WP	WP Pesticides	WP0325	8264-29
1	1	0	PT-CHLR-WP	WP Chlordane	WP0325	8264-30
1	1	0	PT-TXP-WP	WP Toxaphene	WP0325	8264-31
1	1	0	PT-PCBW-WP	WP PCBs in Water	WP0325	8264-32
1	1	0	PT-HERB-WP	WP Herbicides	WP0325	8264-36
1	1	0	RR-TPH1L-WP	WP TPH 1L	R40367	R40367-104
1	1	0	RR-VSOL-WP	WP Volatile Solids	R40367	R40367-18
1	1	0	RR-SIO2-WP	WP Silica	R40367	R40367-21
1	1	0	RR-COL-WP	WP Color	R40367	R40367-51
1	1	0	RR-GAS-WP	WP Gasoline Range Organics	R40367	R40367-62
1	1	0	RR-DIES-WP	WP Diesel Range Organics	R40367	R40367-63
1	1	0	RR-8011-WP	WP EDB/DBCP/TCP	R40367	R40367-98
1	1	0	RR-PAH-WP	WP PAH-Low Level	R40433	R40433-37

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284 Sheffield St., #1
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USA

Received by: SJ
3/11/2025 9:55

Customer PO #	Terms	PT Acct #	Customer #	Ship Via	F.O.B.
Email: Sohil Jodhani	Net 30	ZCM-100	1500470	FedEx 2nd Day	Golden, CO

Qty Ordered	Qty Shipped	Qty Backorder	Part Number	Part Description	Study Number	Lot Number
1	1	0	RR-TRIAZINE-WP	WP Triazine Pesticides	R40480	R40480-108

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

Laboratory Certification

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