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

DATA PACKAGE

GC SEMI-VOLATILES

PROJECT NAME : NYCDDC SANTWOBR BROOKLYN BRIDGE BBMCR

RU2 ENGINEERING, LLC

2 Melinda Drive

Monroe Township, NJ - 08831

Phone No: 732-261-2236

ORDER ID : Q1215

ATTENTION : Rutu Manani

Laboratory Certification ID # 20012

Table Of Contents for Q1215

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Cover Page

Order ID : Q1215

Project ID : NYCDDC SANTWOBR Brooklyn Bridge BBMCR

Client : RU2 Engineering, LLC

Lab Sample Number	Client Sample Number
Q1215-01	JPP-29.1-012825
Q1215-02	JPP-29.1-012825
Q1215-03	JPP-29.1-012825
Q1215-04	JPP-29.1-012825
Q1215-05	JPP-29.2-012825
Q1215-06	JPP-29.2-012825
Q1215-07	JPP-29.2-012825
Q1215-08	JPP-29.2-012825

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: 2/7/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

RU2 Engineering, LLC
Project Name: NYCDDC SANTWOBR Brooklyn Bridge BBMCR
Project # N/A
Chemtech Project # Q1215
Test Name: Gasoline Range Organics

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

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Corrosivity, Diesel Range Organics, Gasoline Range Organics, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, Paint Filter, PCB, Pesticide-TCL, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOC-TCL BNA -20, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TCLP-FULL 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 MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements .

The RPD for {Q1216-17MSD} with File ID: FB031402.D met criteria except for GRO[25.7%] due to difference in results of MS and MSD.

The Blank Spike met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .

for sample # JPP-29.1-012825, JPP-29.2-012825 both soil vial did not purge therefore analyzed directly in methanol.

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E. Additional Comments:

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

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

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

Signature_____

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

DATA REPORTING QUALIFIERS- ORGANIC

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

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

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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: Q1215 MATRIX: Solid

METHOD: 8015D/3541

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified.			✓
2.	Standard Summary Submitted.			✓
3.	Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis, 12 HOURS IF 8000 SERIES METHOD. The Initial Calibration met the requirements . The Continuous Calibration met the requirements .			✓
4.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
5.	Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓
6.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range. The MS recoveries met the requirements for all compounds . The MSD recoveries met the acceptable requirements . The Blank Spike met requirements for all samples . The RPD for {Q1216-17MSD} with File ID: FB031402.D met criteria except for GRO[25.7%] due to difference in results of MS and MSD.		✓	
7.	Retention Time Shift Meet Criteria (if applicable) Comments:			✓
8.	Extraction Holding Time Met If not met, list number of days exceeded for each sample:		✓	
9.	Analysis Holding Time Met If not met, list those compounds and their recoveries which fall outside the acceptable range. The Holding Times were met for all analysis.		✓	

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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

NA NO YES

ADDITIONAL COMMENTS:

for sample # JPP-29.1-012825, JPP-29.2-012825 both soil vial did not purge therefore analyzed directly in methanol. The soil samples results are based on a dry weight basis.

_____ _____

QA REVIEW Date

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1215

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

QA Review Signature: SOHIL JODHANI **Date:** 02/07/2025

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LAB CHRONICLE

OrderID:	Q1215	**OrderDate:**	1/29/2025 11:20:00 AM
Client:	RU2 Engineering, LLC	**Project:**	NYCDDC SANTWOBR Brooklyn Bridge BBMCR
Contact:	Rutu Manani	**Location:**	E11,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1215-01	**JPP-29.1-012825**	**SOIL**			**01/28/25**			**01/29/25**
			Diesel Range Organics	8015D		01/30/25	01/30/25	
			Gasoline Range Organics	8015D			01/30/25	
Q1215-03	**JPP-29.1-012825**	**SOIL**			**01/28/25**			**01/29/25**
			PCB	8082A		01/30/25	01/30/25	
			Pesticide-TCL	8081B		01/30/25	02/01/25	
Q1215-05	**JPP-29.2-012825**	**SOIL**			**01/28/25**			**01/29/25**
			Diesel Range Organics	8015D		01/30/25	01/30/25	
			Gasoline Range Organics	8015D			01/30/25	
Q1215-07	**JPP-29.2-012825**	**SOIL**			**01/28/25**			**01/29/25**
			PCB	8082A		01/30/25	01/30/25	
			Pesticide-TCL	8081B		01/30/25	01/30/25	

QC SUMMARY

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SOIL GASOLINE RANGE ORGANICS SURROGATE RECOVERY

Lab Name: Chemtech Client: RU2 Engineering, LLC

Lab Code: CHEM Case No.: Q1215 SAS No.: Q1215 SDG No.: Q1215

EPA SAMPLE NO.	S1 AAA-TFT	S2	S3	S4	TOT OUT
VBF0130S2	93				0
BSF0130S1	85				0
JPP-26.2-012825MS	95				0
JPP-26.2-012825MSD	81				0
JPP-29.1-012825	98				0
JPP-29.2-012825	85				0

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

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

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SOIL GASOLINE RANGE ORGANICS MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** RU2 Engineering, LLC

Lab Code: CHEM **Cas No:** Q1215 **SAS No :** Q1215 **SDG No:** Q1215

Client SampleID : JPP-26.2-012825MS **Datafile:** FB031401.D

COMPOUND	SPIKE ADDED ug/kg	SAMPLE CONCENTRATION ug/kg	MS/MSD CONCENTRATION ug/kg	% REC	Qual	QC LIMITS
GRO	10551	680	10176	90%		50-150

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SOIL GASOLINE RANGE ORGANICS MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** RU2 Engineering, LLC

Lab Code: CHEM **Cas No:** Q1215 **SAS No :** Q1215 **SDG No:** Q1215

Client SampleID : JPP-26.2-012825MSD **Datafile:** FB031402.D

COMPOUND	SPIKE ADDED ug/kg	SAMPLE CONCENTRATION ug/kg	MS/MSD CONCENTRATION ug/kg	% REC	Qual	QC LIMITS
GRO	10426	680	7924	70%		50-150

MS/MSD % Recovery RPD : 25

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

Lab Name: Chemtech **Client:** RU2 Engineering, LLC

Lab Code: CHEM **Cas No:** Q1215 **SAS No :** Q1215 **SDG No:** Q1215

Matrix Spike - EPA Sample No : BSF0130S1 **Datafile:** FB031384.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS
GRO	180	0	180	100	50-150

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METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBF0130S2

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1215 SAS No.: Q1215 SDG NO.: Q1215

Lab File ID: FB031383.D Lab Sample ID: VBF0130S2

Date Analyzed: 01/30/25 Time Analyzed: 10:13

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

Instrument ID: FB

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSF0130S1	BSF0130S1	FB031384.D	01/30/25
JPP-26.2-012825MS	Q1216-17MS	FB031401.D	01/30/25
JPP-26.2-012825MSD	Q1216-17MSD	FB031402.D	01/30/25
JPP-29.1-012825	Q1215-01	FB031408.D	01/30/25
JPP-29.2-012825	Q1215-05	FB031409.D	01/30/25

COMMENTS:

SAMPLE DATA

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Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/28/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/29/25
Client Sample ID:	JPP-29.1-012825	SDG No.:	Q1215
Lab Sample ID:	Q1215-01	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	89 Decanted:
Sample Wt/Vol:	5 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031408.D	50	01/30/25 23:06	FB013025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	592	J	434	2530	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	19.7		50 - 150	98%	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\FB013025\
Data File : FB031408.D
Signal(s) : FID2B.CH
Acq On : 30 Jan 2025 23:06
Operator : YP/AJ
Sample : Q1215-01 50X
Misc : 5.00G/5.00 ML MEOH
ALS Vial : 31 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
JPP-29.1-012825

Integration File: Calibration.e
Quant Time: Jan 31 00:57:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
System Monitoring Compounds				
5) s	AAA-TFT	8.790	469858	19.698 ng/ml
Target Compounds				

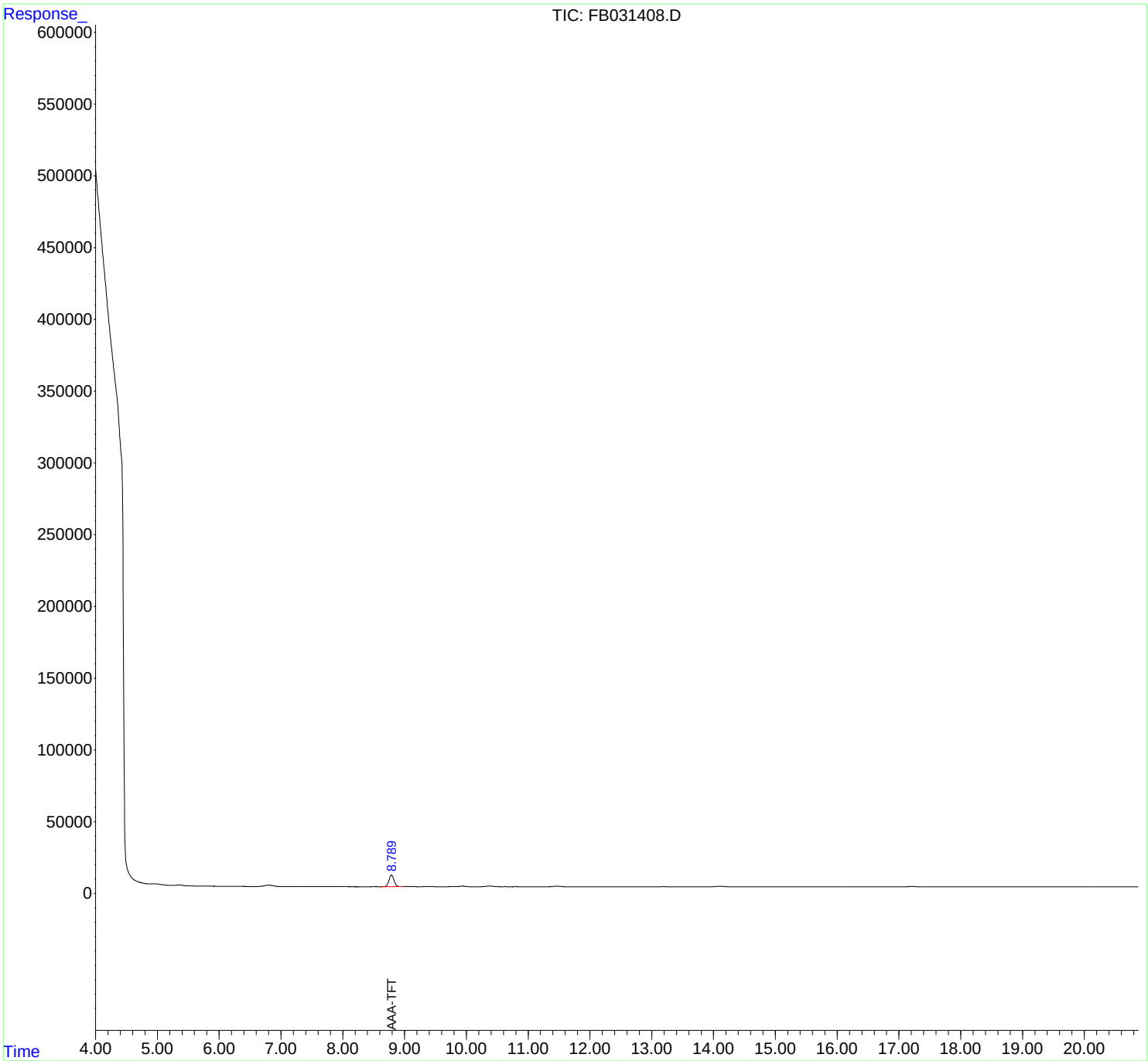
(f)=RT Delta > 1/2 Window (m)=manual int.

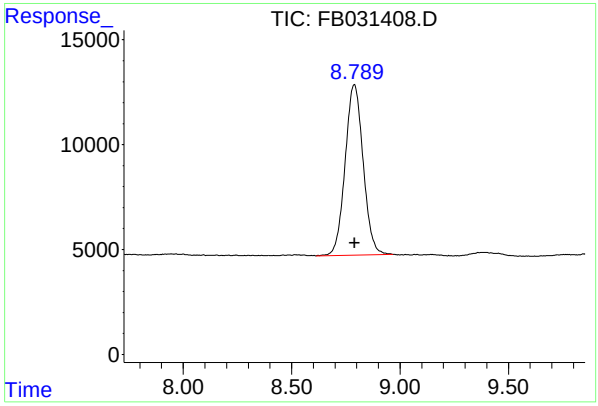
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013025\
Data File : FB031408.D
Signal(s) : FID2B.CH
Acq On : 30 Jan 2025 23:06
Operator : YP/AJ
Sample : Q1215-01 50X
Misc : 5.00G/5.00 ML MEOH
ALS Vial : 31 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
JPP-29.1-012825

Integration File: Calibration.e
Quant Time: Jan 31 00:57:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#5 AAA-TFT

R.T.: 8.790 min
Delta R.T.: 0.000 mi
Response: 469858
Conc: 19.70 ng/m

Instrument :
FID_B
ClientSampleId :
JPP-29.1-012825

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013025\
Data File : FB031408.D
Signal(s) : FID2B.CH
Acq On : 30 Jan 2025 23:06
Sample : Q1215-01 50X
Misc : 5.00G/5.00 ML MEOH
ALS Vial : 31 Sample Multiplier: 1

Integration File: SAMPLE.e

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

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.901	4.838	4.972	BV	184	13041	2.72%	1.539%
2	5.208	5.200	5.251	PV	15	31	0.01%	0.004%
3	5.631	5.623	5.670	PV	15	249	0.05%	0.029%
4	5.678	5.670	5.690	PV	29	144	0.03%	0.017%
5	5.700	5.690	5.777	VV	15	457	0.10%	0.054%
6	5.784	5.777	5.879	PV	17	436	0.09%	0.051%
7	5.886	5.879	5.922	PV	21	219	0.05%	0.026%
8	5.926	5.922	5.938	VV	13	61	0.01%	0.007%
9	5.960	5.938	5.973	VV	17	245	0.05%	0.029%
10	5.981	5.973	6.008	VV	26	390	0.08%	0.046%
11	6.027	6.008	6.050	PV	39	590	0.12%	0.070%
12	6.059	6.050	6.084	VV	35	446	0.09%	0.053%
13	6.111	6.084	6.119	PV	46	603	0.13%	0.071%
14	6.124	6.119	6.138	VV	43	416	0.09%	0.049%
15	6.147	6.138	6.154	VV	47	365	0.08%	0.043%
16	6.179	6.154	6.213	VV	73	2038	0.42%	0.240%
17	6.222	6.213	6.266	VV	54	1031	0.21%	0.122%
18	6.272	6.266	6.285	VV	33	258	0.05%	0.030%
19	6.303	6.285	6.328	VV	28	479	0.10%	0.057%
20	6.336	6.328	6.363	VV	24	371	0.08%	0.044%
21	6.373	6.363	6.415	VV	22	596	0.12%	0.070%
22	6.425	6.415	6.455	VV	34	532	0.11%	0.063%
23	6.467	6.455	6.485	VV	27	390	0.08%	0.046%
24	6.494	6.485	6.508	VV	31	277	0.06%	0.033%
25	6.540	6.508	6.550	PV	25	423	0.09%	0.050%
26	6.566	6.550	6.608	VV	29	740	0.15%	0.087%
27	7.010	7.001	7.021	VV	39	378	0.08%	0.045%
28	7.057	7.021	7.078	VV	41	1039	0.22%	0.123%
29	7.089	7.078	7.118	VV	35	747	0.16%	0.088%
30	7.127	7.118	7.230	VV	40	1480	0.31%	0.175%
31	7.249	7.230	7.273	VV	35	613	0.13%	0.072%
32	7.283	7.273	7.309	VV	32	499	0.10%	0.059%
33	7.322	7.309	7.334	VV	37	372	0.08%	0.044%
34	7.354	7.334	7.378	PV	34	564	0.12%	0.067%
35	7.405	7.378	7.440	VV	32	885	0.18%	0.104%
36	7.447	7.440	7.483	VV	25	411	0.09%	0.049%

rteres

37	7.497	7.483	7.513	VV	24	300	0.06%	0.035%
38	7.525	7.513	7.551	VV	36	466	0.10%	0.055%
39	7.572	7.551	7.603	VV	40	613	0.13%	0.072%
40	7.636	7.603	7.644	VV	34	437	0.09%	0.052%
41	7.651	7.644	7.674	VV	24	299	0.06%	0.035%
42	7.684	7.674	7.763	VV	44	1636	0.34%	0.193%
43	7.775	7.763	7.849	VV	37	1052	0.22%	0.124%
44	7.943	7.849	7.994	VV	74	4270	0.89%	0.504%
45	7.999	7.994	8.053	VV	61	1156	0.24%	0.136%
46	8.094	8.053	8.133	VV	43	758	0.16%	0.089%
47	8.152	8.133	8.188	VV	30	440	0.09%	0.052%
48	8.207	8.188	8.224	VV	21	282	0.06%	0.033%
49	8.245	8.224	8.272	VV	22	405	0.08%	0.048%
50	8.299	8.272	8.427	PV	22	1041	0.22%	0.123%
51	8.517	8.427	8.584	VV	53	3116	0.65%	0.368%
52	8.597	8.584	8.612	VV	20	285	0.06%	0.034%
53	8.789	8.612	9.018	VV	8182	480225	100.00%	56.660%
54	9.030	9.018	9.055	VV	72	1440	0.30%	0.170%
55	9.077	9.055	9.095	VV	77	1649	0.34%	0.195%
56	9.149	9.095	9.245	VV	79	4773	0.99%	0.563%
57	9.387	9.245	9.575	VV	185	18133	3.78%	2.139%
58	9.587	9.575	9.605	VV	15	244	0.05%	0.029%
59	9.771	9.605	9.820	VV	103	7199	1.50%	0.849%
60	9.937	9.820	10.126	VV	468	37787	7.87%	4.458%
61	10.137	10.126	10.154	VV	39	425	0.09%	0.050%
62	10.171	10.154	10.188	VV	36	455	0.09%	0.054%
63	10.391	10.188	10.578	VV	545	56010	11.66%	6.608%
64	10.624	10.578	10.710	VV	90	5458	1.14%	0.644%
65	10.747	10.710	10.761	VV	91	2033	0.42%	0.240%
66	10.793	10.761	10.917	VV	105	5429	1.13%	0.641%
67	10.943	10.917	10.977	VV	51	971	0.20%	0.115%
68	11.003	10.977	11.064	VV	41	1181	0.25%	0.139%
69	11.078	11.064	11.107	VV	34	265	0.06%	0.031%
70	11.135	11.107	11.151	PV	39	408	0.08%	0.048%
71	11.164	11.151	11.184	VV	37	306	0.06%	0.036%
72	11.225	11.184	11.251	VV	24	567	0.12%	0.067%
73	11.264	11.251	11.283	VV	26	341	0.07%	0.040%
74	11.473	11.283	11.601	VV	453	42631	8.88%	5.030%
75	11.629	11.601	11.718	VV	77	4305	0.90%	0.508%
76	11.728	11.718	11.751	VV	63	801	0.17%	0.094%
77	11.771	11.751	11.792	VV	47	903	0.19%	0.107%
78	11.813	11.792	11.832	VV	50	852	0.18%	0.101%
79	11.883	11.832	11.983	VV	84	4325	0.90%	0.510%
80	12.015	11.983	12.033	VV	25	492	0.10%	0.058%
81	12.085	12.033	12.101	VV	68	1296	0.27%	0.153%
82	12.122	12.101	12.165	VV	35	1127	0.23%	0.133%
83	12.184	12.165	12.202	VV	33	658	0.14%	0.078%
84	12.223	12.202	12.258	VV	37	1110	0.23%	0.131%
85	12.343	12.258	12.445	VV	59	4162	0.87%	0.491%
86	12.467	12.445	12.500	PV	33	623	0.13%	0.074%
87	12.514	12.500	12.532	VV	18	308	0.06%	0.036%
88	12.594	12.532	12.614	VV	34	673	0.14%	0.079%
89	12.625	12.614	12.677	VV	31	770	0.16%	0.091%

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90	12.729	12.677	12.754	VV	41	1416	0.29%	0.167%
91	12.770	12.754	12.803	VV	50	742	0.15%	0.088%
92	12.824	12.803	12.854	VV	16	364	0.08%	0.043%
93	12.872	12.854	12.893	VV	29	303	0.06%	0.036%
94	12.958	12.893	13.012	VV	32	1475	0.31%	0.174%
95	13.055	13.012	13.109	VV	73	2486	0.52%	0.293%
96	13.190	13.109	13.319	VV	176	9854	2.05%	1.163%
97	13.337	13.319	13.365	VV	31	527	0.11%	0.062%
98	13.408	13.365	13.430	VV	21	489	0.10%	0.058%
99	13.441	13.430	13.461	VV	14	244	0.05%	0.029%
100	13.479	13.461	13.497	VV	20	322	0.07%	0.038%
101	13.535	13.497	13.638	VV	39	1648	0.34%	0.194%
102	13.679	13.638	13.742	VV	27	855	0.18%	0.101%
103	13.820	13.742	13.861	VV	31	1362	0.28%	0.161%
104	14.101	13.861	14.284	VV	445	46594	9.70%	5.497%
105	14.341	14.284	14.418	VV	78	3714	0.77%	0.438%
106	14.435	14.418	14.493	VV	51	1249	0.26%	0.147%
107	14.512	14.493	14.559	VV	35	889	0.19%	0.105%
108	14.576	14.559	14.613	VV	30	549	0.11%	0.065%
109	14.626	14.613	14.674	VV	21	633	0.13%	0.075%
110	14.688	14.674	14.706	VV	26	363	0.08%	0.043%
111	14.740	14.706	14.795	PV	31	830	0.17%	0.098%
112	14.933	14.795	14.947	VV	31	1592	0.33%	0.188%
113	14.960	14.947	14.977	VV	23	343	0.07%	0.041%
114	15.060	14.977	15.130	VV	104	5360	1.12%	0.632%
115	15.246	15.130	15.275	VV	46	2982	0.62%	0.352%
116	15.310	15.275	15.339	VV	75	2392	0.50%	0.282%
117	15.383	15.339	15.581	VV	81	7741	1.61%	0.913%
118	15.648	15.581	15.826	VV	48	2856	0.59%	0.337%
119	15.964	15.826	15.998	PV	52	3187	0.66%	0.376%
120	16.018	15.998	16.091	VV	39	1152	0.24%	0.136%
121	16.228	16.091	16.304	PV	77	4342	0.90%	0.512%
			Sum of corrected areas:			847564		

FB011525.M Fri Jan 31 01:29:02 2025

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/28/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/29/25
Client Sample ID:	JPP-29.2-012825	SDG No.:	Q1215
Lab Sample ID:	Q1215-05	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	87.1 Decanted:
Sample Wt/Vol:	5.1 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031409.D	50	01/30/25 23:33	FB013025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	593	J	434	2530	ug/kg
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\FB013025\
Data File : FB031409.D
Signal(s) : FID2B.CH
Acq On : 30 Jan 2025 23:33
Operator : YP/AJ
Sample : Q1215-05 50X
Misc : 5.10G/5.00 ML MEOH
ALS Vial : 32 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
JPP-29.2-012825

Integration File: Calibration.e
Quant Time: Jan 31 00:57:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
System Monitoring Compounds				
5) s	AAA-TFT	8.789	405953	17.019 ng/ml
Target Compounds				

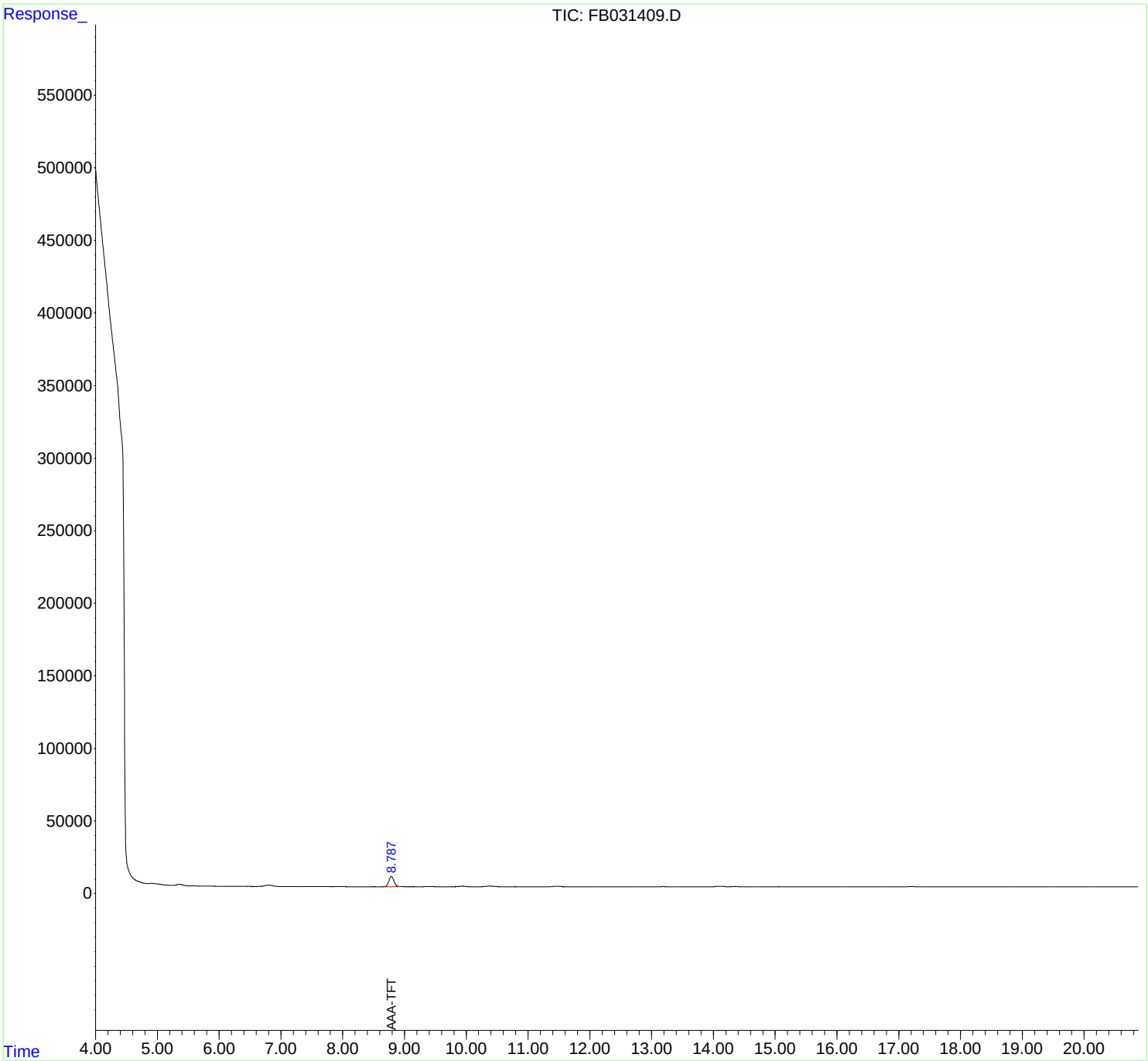
(f)=RT Delta > 1/2 Window (m)=manual int.

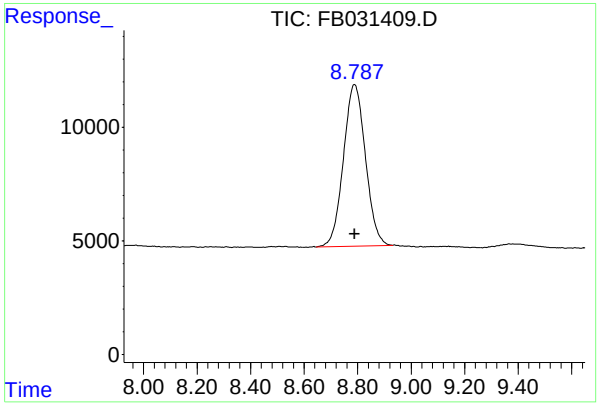
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013025\
Data File : FB031409.D
Signal(s) : FID2B.CH
Acq On : 30 Jan 2025 23:33
Operator : YP/AJ
Sample : Q1215-05 50X
Misc : 5.10G/5.00 ML MEOH
ALS Vial : 32 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
JPP-29.2-012825

Integration File: Calibration.e
Quant Time: Jan 31 00:57:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#5 AAA-TFT

R.T.: 8.789 min
Delta R.T.: 0.000 mir
Response: 405953
Conc: 17.02 ng/m

Instrument :
FID_B
ClientSampleId :
JPP-29.2-012825

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Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013025\
Data File : FB031409.D
Signal(s) : FID2B.CH
Acq On : 30 Jan 2025 23:33
Sample : Q1215-05 50X
Misc : 5.10G/5.00 ML MEOH
ALS Vial : 32 Sample Multiplier: 1

Integration File: SAMPLE.e

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

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	5.594	5.592	5.652	PV	7	205	0.05%	0.026%
2	5.661	5.652	5.693	VV	25	219	0.05%	0.028%
3	5.701	5.693	5.765	VV	16	523	0.12%	0.067%
4	5.770	5.765	5.799	VV	21	280	0.07%	0.036%
5	5.807	5.799	5.828	PV	18	230	0.05%	0.029%
6	5.844	5.828	5.854	VV	26	295	0.07%	0.038%
7	5.859	5.854	5.870	VV	20	117	0.03%	0.015%
8	5.894	5.870	5.906	VV	28	326	0.08%	0.042%
9	5.925	5.906	5.990	PV	21	382	0.09%	0.049%
10	6.014	5.990	6.033	VV	27	416	0.10%	0.053%
11	6.045	6.033	6.089	PV	22	444	0.11%	0.057%
12	6.100	6.089	6.110	VV	28	247	0.06%	0.032%
13	6.131	6.110	6.142	VV	44	642	0.15%	0.082%
14	6.154	6.142	6.168	VV	67	802	0.19%	0.102%
15	6.193	6.168	6.249	VV	70	2157	0.51%	0.275%
16	6.256	6.249	6.298	VV	34	665	0.16%	0.085%
17	6.310	6.298	6.321	VV	31	311	0.07%	0.040%
18	6.337	6.321	6.347	VV	40	407	0.10%	0.052%
19	6.360	6.347	6.457	VV	39	1325	0.31%	0.169%
20	6.485	6.457	6.495	PV	32	387	0.09%	0.049%
21	6.502	6.495	6.519	VV	28	319	0.08%	0.041%
22	6.523	6.519	6.531	VV	33	166	0.04%	0.021%
23	6.538	6.531	6.551	VV	27	182	0.04%	0.023%
24	6.560	6.551	6.573	PV	29	163	0.04%	0.021%
25	6.995	6.986	7.006	VV	39	386	0.09%	0.049%
26	7.014	7.006	7.062	VV	32	1014	0.24%	0.129%
27	7.070	7.062	7.083	VV	49	432	0.10%	0.055%
28	7.097	7.083	7.109	VV	41	391	0.09%	0.050%
29	7.142	7.109	7.167	VV	37	794	0.19%	0.101%
30	7.174	7.167	7.197	VV	23	257	0.06%	0.033%
31	7.206	7.197	7.237	VV	36	443	0.11%	0.056%
32	7.256	7.237	7.273	PV	30	358	0.08%	0.046%
33	7.291	7.273	7.315	PV	21	304	0.07%	0.039%
34	7.323	7.315	7.348	VV	16	281	0.07%	0.036%
35	7.363	7.348	7.379	VV	25	357	0.08%	0.046%
36	7.388	7.379	7.408	VV	23	347	0.08%	0.044%

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37	7.428	7.408	7.449	VV	41	477	0.11%	0.061%
38	7.457	7.449	7.465	PV	17	71	0.02%	0.009%
39	7.495	7.465	7.527	VV	20	427	0.10%	0.054%
40	7.566	7.527	7.604	PV	34	719	0.17%	0.092%
41	7.619	7.604	7.643	VV	34	460	0.11%	0.059%
42	7.672	7.643	7.694	VV	37	734	0.17%	0.094%
43	7.707	7.694	7.720	VV	30	332	0.08%	0.042%
44	7.732	7.720	7.757	VV	29	601	0.14%	0.077%
45	7.765	7.757	7.809	VV	38	809	0.19%	0.103%
46	7.829	7.809	7.839	VV	23	303	0.07%	0.039%
47	7.958	7.839	7.966	VV	72	3300	0.78%	0.421%
48	7.972	7.966	8.071	VV	80	2580	0.61%	0.329%
49	8.080	8.071	8.087	VV	18	130	0.03%	0.017%
50	8.092	8.087	8.102	VV	18	120	0.03%	0.015%
51	8.114	8.102	8.138	VV	24	289	0.07%	0.037%
52	8.151	8.138	8.171	PV	17	251	0.06%	0.032%
53	8.183	8.171	8.222	VV	29	461	0.11%	0.059%
54	8.232	8.222	8.241	VV	25	194	0.05%	0.025%
55	8.250	8.241	8.262	VV	31	274	0.07%	0.035%
56	8.276	8.262	8.299	VV	22	382	0.09%	0.049%
57	8.310	8.299	8.331	VV	27	266	0.06%	0.034%
58	8.342	8.331	8.374	PV	23	325	0.08%	0.041%
59	8.385	8.374	8.424	VV	27	497	0.12%	0.063%
60	8.448	8.424	8.456	VV	23	260	0.06%	0.033%
61	8.481	8.456	8.494	VV	45	751	0.18%	0.096%
62	8.507	8.494	8.519	VV	56	664	0.16%	0.085%
63	8.532	8.519	8.549	VV	58	760	0.18%	0.097%
64	8.559	8.549	8.602	VV	30	756	0.18%	0.096%
65	8.637	8.602	8.645	VV	51	721	0.17%	0.092%
66	8.789	8.645	8.979	VV	7190	420909	100.00%	53.702%
67	8.991	8.979	9.022	VV	85	1700	0.40%	0.217%
68	9.037	9.022	9.049	VV	65	848	0.20%	0.108%
69	9.086	9.049	9.095	VV	68	1575	0.37%	0.201%
70	9.127	9.095	9.219	VV	76	4179	0.99%	0.533%
71	9.234	9.219	9.269	VV	33	712	0.17%	0.091%
72	9.366	9.269	9.558	VV	197	17703	4.21%	2.259%
73	9.566	9.558	9.577	VV	30	209	0.05%	0.027%
74	9.587	9.577	9.593	PV	21	111	0.03%	0.014%
75	9.613	9.593	9.633	VV	28	431	0.10%	0.055%
76	9.647	9.633	9.663	VV	25	336	0.08%	0.043%
77	9.720	9.663	9.733	VV	79	1917	0.46%	0.245%
78	9.765	9.733	9.782	VV	94	2223	0.53%	0.284%
79	9.789	9.782	9.800	VV	85	823	0.20%	0.105%
80	9.943	9.800	10.070	VV	470	37886	9.00%	4.834%
81	10.085	10.070	10.115	VV	60	1094	0.26%	0.140%
82	10.122	10.115	10.150	VV	40	540	0.13%	0.069%
83	10.162	10.150	10.169	VV	20	199	0.05%	0.025%
84	10.374	10.169	10.560	VV	555	55032	13.07%	7.021%
85	10.607	10.560	10.628	VV	96	3189	0.76%	0.407%
86	10.639	10.628	10.661	VV	82	1472	0.35%	0.188%
87	10.668	10.661	10.694	VV	74	1180	0.28%	0.151%
88	10.704	10.694	10.722	VV	70	1053	0.25%	0.134%
89	10.794	10.722	10.919	VV	112	6721	1.60%	0.858%

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90	10.953	10.919	10.994	VV	38	1307	0.31%	0.167%
91	11.017	10.994	11.032	VV	38	656	0.16%	0.084%
92	11.055	11.032	11.070	VV	36	555	0.13%	0.071%
93	11.082	11.070	11.098	VV	40	403	0.10%	0.051%
94	11.103	11.098	11.120	VV	19	182	0.04%	0.023%
95	11.129	11.120	11.164	VV	19	275	0.07%	0.035%
96	11.199	11.164	11.218	VV	53	831	0.20%	0.106%
97	11.260	11.218	11.285	PV	38	702	0.17%	0.090%
98	11.326	11.285	11.335	VV	71	1090	0.26%	0.139%
99	11.458	11.335	11.468	VV	436	20642	4.90%	2.634%
100	11.475	11.468	11.599	VV	437	19622	4.66%	2.503%
101	11.613	11.599	11.627	VV	62	857	0.20%	0.109%
102	11.644	11.627	11.704	VV	54	1813	0.43%	0.231%
103	11.727	11.704	11.773	VV	41	1497	0.36%	0.191%
104	11.787	11.773	11.805	VV	46	699	0.17%	0.089%
105	11.853	11.805	11.860	VV	85	1701	0.40%	0.217%
106	11.874	11.860	11.890	VV	86	1302	0.31%	0.166%
107	11.904	11.890	11.917	VV	70	918	0.22%	0.117%
108	11.924	11.917	11.955	VV	47	714	0.17%	0.091%
109	11.964	11.955	11.987	VV	24	240	0.06%	0.031%
110	12.028	11.987	12.047	VV	29	627	0.15%	0.080%
111	12.067	12.047	12.088	VV	49	858	0.20%	0.109%
112	12.105	12.088	12.122	VV	46	755	0.18%	0.096%
113	12.137	12.122	12.181	VV	56	1205	0.29%	0.154%
114	12.192	12.181	12.208	VV	48	540	0.13%	0.069%
115	12.218	12.208	12.241	VV	45	711	0.17%	0.091%
116	12.255	12.241	12.264	VV	34	409	0.10%	0.052%
117	12.279	12.264	12.293	VV	49	663	0.16%	0.085%
118	12.316	12.293	12.335	VV	55	1147	0.27%	0.146%
119	12.345	12.335	12.351	VV	56	479	0.11%	0.061%
120	12.356	12.351	12.384	VV	55	791	0.19%	0.101%
121	12.392	12.384	12.415	VV	38	427	0.10%	0.054%
122	12.426	12.415	12.463	VV	23	409	0.10%	0.052%
123	12.479	12.463	12.490	VV	24	228	0.05%	0.029%
124	12.536	12.490	12.567	VV	24	596	0.14%	0.076%
125	12.589	12.567	12.603	VV	34	456	0.11%	0.058%
126	12.619	12.603	12.634	VV	34	418	0.10%	0.053%
127	12.687	12.634	12.712	VV	41	1100	0.26%	0.140%
128	12.726	12.712	12.758	VV	48	842	0.20%	0.107%
129	12.769	12.758	12.790	VV	32	474	0.11%	0.060%
130	12.801	12.790	12.817	VV	30	250	0.06%	0.032%
131	12.848	12.817	12.858	PV	15	191	0.05%	0.024%
132	12.874	12.858	12.894	VV	20	260	0.06%	0.033%
133	12.904	12.894	12.923	VV	19	190	0.05%	0.024%
134	12.938	12.923	12.970	VV	23	454	0.11%	0.058%
135	12.984	12.970	12.993	VV	33	305	0.07%	0.039%
136	13.023	12.993	13.031	VV	52	813	0.19%	0.104%
137	13.055	13.031	13.116	VV	62	2242	0.53%	0.286%
138	13.195	13.116	13.288	VV	180	9190	2.18%	1.173%
139	13.296	13.288	13.305	VV	31	203	0.05%	0.026%
140	13.315	13.305	13.364	VV	22	545	0.13%	0.070%
141	13.390	13.364	13.408	VV	26	416	0.10%	0.053%

rteres

142	13.419	13.408	13.440	VV	21	242	0.06%	0.031%
143	13.459	13.440	13.472	VV	26	325	0.08%	0.041%
144	13.482	13.472	13.508	VV	28	369	0.09%	0.047%
145	13.531	13.508	13.546	VV	29	434	0.10%	0.055%
146	13.555	13.546	13.567	VV	21	207	0.05%	0.026%
147	13.578	13.567	13.590	VV	24	240	0.06%	0.031%
148	13.602	13.590	13.611	VV	26	201	0.05%	0.026%
149	13.618	13.611	13.625	PV	20	87	0.02%	0.011%
150	13.633	13.625	13.675	VV	22	285	0.07%	0.036%
151	13.691	13.675	13.703	VV	20	248	0.06%	0.032%
152	13.715	13.703	13.742	VV	26	371	0.09%	0.047%
153	13.750	13.742	13.760	VV	19	117	0.03%	0.015%
154	13.774	13.760	13.781	VV	18	122	0.03%	0.016%
155	13.819	13.781	13.850	VV	27	700	0.17%	0.089%
156	13.942	13.850	13.961	VV	78	3227	0.77%	0.412%
157	14.114	13.961	14.256	VV	418	39943	9.49%	5.096%
158	14.269	14.256	14.275	VV	83	819	0.19%	0.104%
159	14.349	14.275	14.447	VV	314	17845	4.24%	2.277%
160	14.460	14.447	14.492	VV	48	892	0.21%	0.114%
161	14.505	14.492	14.539	VV	31	560	0.13%	0.071%
162	14.565	14.539	14.584	VV	31	592	0.14%	0.076%
163	14.598	14.584	14.624	VV	26	380	0.09%	0.049%
164	14.635	14.624	14.646	VV	21	139	0.03%	0.018%
165	14.668	14.646	14.679	VV	21	211	0.05%	0.027%
166	14.695	14.679	14.726	PV	17	282	0.07%	0.036%
167	14.752	14.726	14.771	VV	18	374	0.09%	0.048%
168	14.791	14.771	14.796	VV	18	224	0.05%	0.029%
169	14.806	14.796	14.822	VV	38	391	0.09%	0.050%
170	14.835	14.822	14.849	VV	30	350	0.08%	0.045%
171	14.855	14.849	14.870	VV	39	356	0.08%	0.045%
172	14.878	14.870	14.897	VV	38	465	0.11%	0.059%
173	14.924	14.897	14.933	VV	40	681	0.16%	0.087%
174	14.947	14.933	14.968	VV	45	601	0.14%	0.077%
175	15.059	14.968	15.162	VV	129	6845	1.63%	0.873%
176	15.232	15.162	15.253	VV	49	1960	0.47%	0.250%
177	15.268	15.253	15.281	VV	50	637	0.15%	0.081%
178	15.291	15.281	15.311	VV	56	840	0.20%	0.107%
179	15.348	15.311	15.373	VV	76	2320	0.55%	0.296%
180	15.384	15.373	15.409	VV	88	1590	0.38%	0.203%
181	15.425	15.409	15.470	VV	77	2443	0.58%	0.312%
182	15.478	15.470	15.485	VV	58	476	0.11%	0.061%
183	15.508	15.485	15.532	VV	54	1215	0.29%	0.155%
184	15.547	15.532	15.556	VV	30	380	0.09%	0.048%
185	15.568	15.556	15.578	VV	33	404	0.10%	0.051%
186	15.596	15.578	15.613	VV	35	554	0.13%	0.071%
187	15.632	15.613	15.652	VV	44	697	0.17%	0.089%
188	15.665	15.652	15.677	VV	37	426	0.10%	0.054%
189	15.703	15.677	15.715	VV	32	500	0.12%	0.064%
190	15.727	15.715	15.738	VV	26	249	0.06%	0.032%
191	15.747	15.738	15.759	VV	41	258	0.06%	0.033%
192	15.771	15.759	15.779	PV	25	170	0.04%	0.022%
193	15.793	15.779	15.812	VV	22	235	0.06%	0.030%
194	15.821	15.812	15.838	PV	21	135	0.03%	0.017%

rteres

195	15.872	15.838	15.882	VV	17	276	0.07%	0.035%
196	15.940	15.882	15.950	VV	56	1430	0.34%	0.182%
197	15.960	15.950	15.979	VV	55	837	0.20%	0.107%
198	15.989	15.979	16.024	VV	48	959	0.23%	0.122%
199	16.033	16.024	16.062	VV	24	296	0.07%	0.038%
200	16.073	16.062	16.104	VV	15	254	0.06%	0.032%
201	16.125	16.104	16.134	PV	16	155	0.04%	0.020%
202	16.207	16.134	16.312	VV	73	4135	0.98%	0.528%
203	16.334	16.312	16.341	PV	14	102	0.02%	0.013%
			Sum of corrected areas:			783787		

FB011525.M Fri Jan 31 01:29:22 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: RUTW01

ProjectID: NYCDDC SANTWOBR Brooklyn Bridge BBMCR

Lab Code: CHEM Case No.: Q1215 SAS No.: Q1215 SDG No.: Q1215

Calibration Sequence : FB011525		Test : Gasoline Range Organics	
Concentration (PPB)	**Area Count**	**Reference Factor**	**File ID**
45	1619248	35983	FB031307.D
90	2849383	31660	FB031308.D
180	5927461	32930	FB031309.D
450	17402832	38673	FB031310.D
900	36014388	40016	FB031311.D
AVG RF : 35852	**% RSD : 10.001**		**AVG RT : 8.7886**

Quantitation Report (QT Reviewed)

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

Instrument :
FID_B
ClientSampleId :
5 GRO STD

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

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
5) s	AAA-TFT	8.786	115906	4.680	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.718	233598	7.655	ng/ml
2) t	2,2,4-Trimethylpentane	7.413	275493	7.888	ng/ml
3) t	n-Heptane	7.745	76823	2.289	ng/ml
4) t	Benzene	7.885	96940	2.457	ng/ml
6) t	Toluene	10.613	281739	7.767	ng/ml
7) t	Ethylbenzene	13.049	90664	2.859	ng/ml
8) t	m-Xylene	13.183	196650	5.784	ng/ml
9) t	O-Xylene	13.911	197897	6.226	ng/ml
10) t	1,2,4-Trimethylbenzene	16.188	169444	6.606	ng/ml

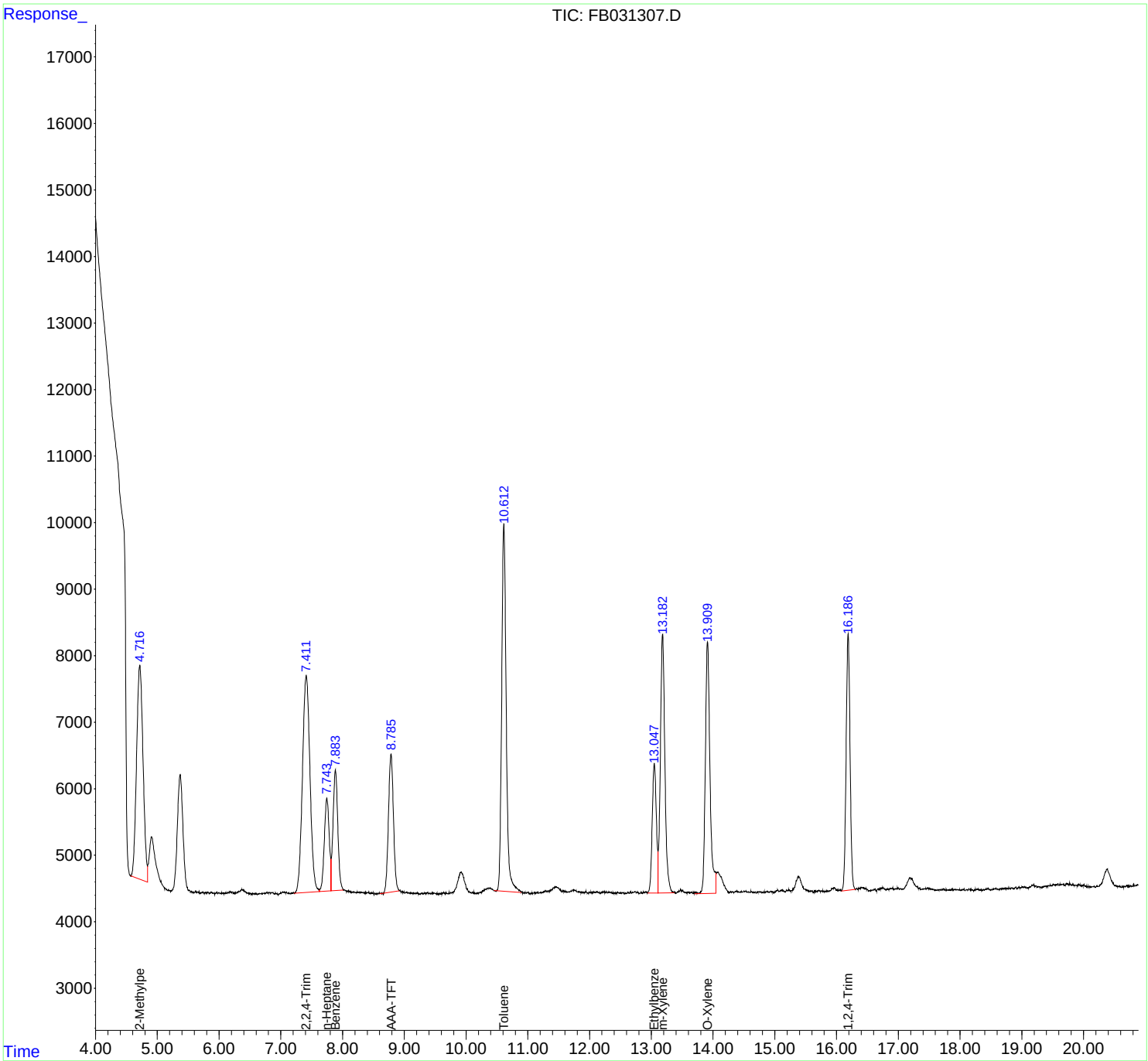
(f)=RT Delta > 1/2 Window (m)=manual int.

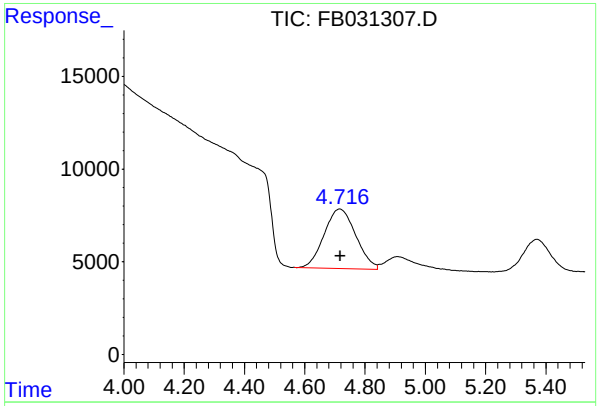
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011525\
Data File : FB031307.D
Signal(s) : FID2B.CH
Acq On : 15 Jan 2025 10:20
Operator : YP/AJ
Sample : 5 GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
5 GRO STD

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

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

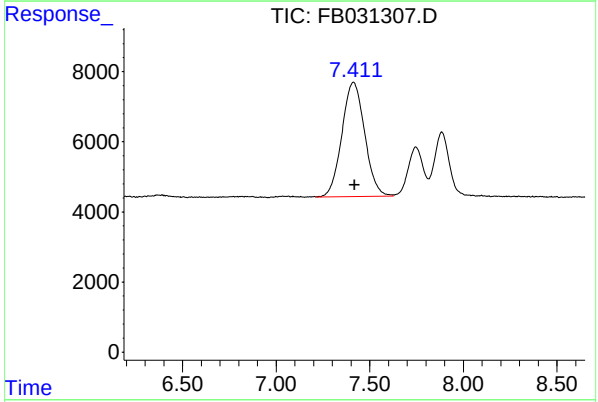




#1 2-Methylpentane

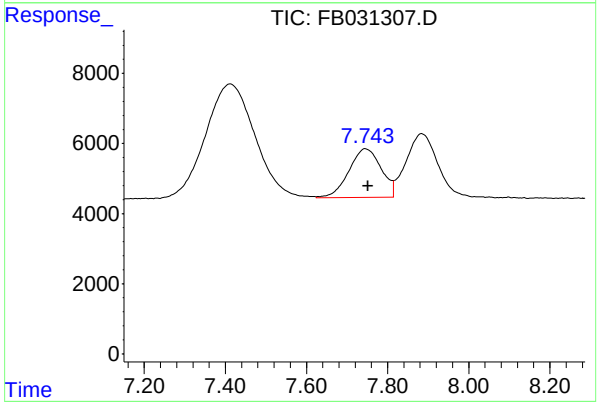
R.T.: 4.718 min
Delta R.T.: 0.000 min
Response: 233598
Conc: 7.65 ng/ml

Instrument :
FID_B
ClientSampleId :
5 GRO STD



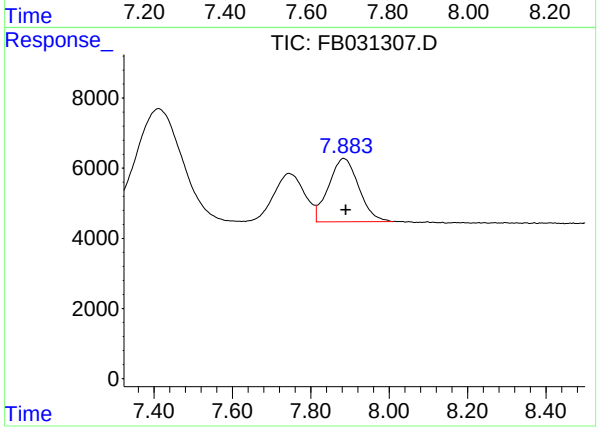
#2 2,2,4-Trimethylpentane

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



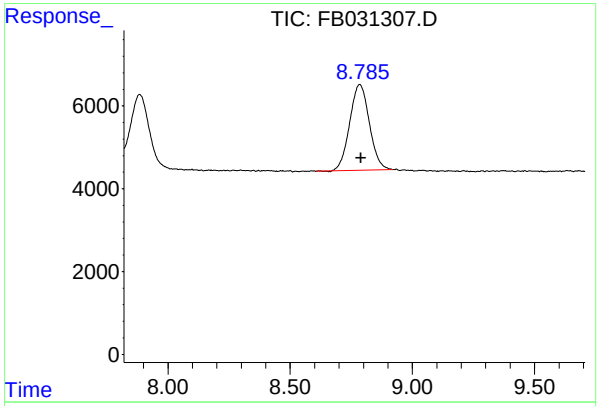
#3 n-Heptane

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



#4 Benzene

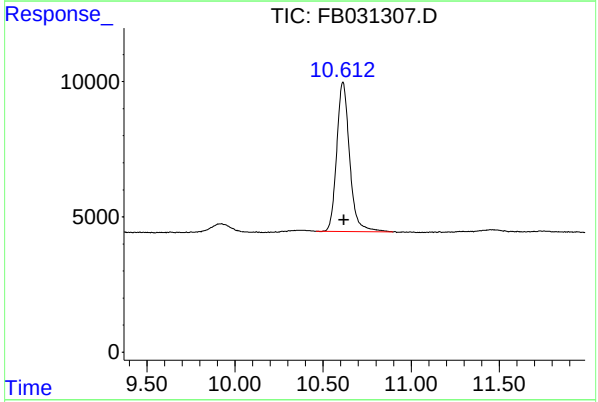
R.T.: 7.885 min
Delta R.T.: -0.005 min
Response: 96940
Conc: 2.46 ng/ml



#5 AAA-TFT

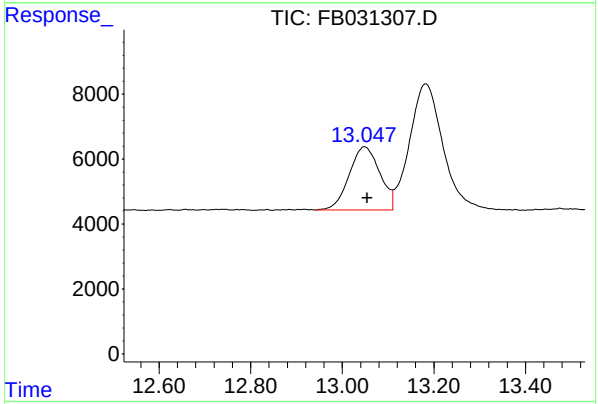
R.T.: 8.786 min
Delta R.T.: -0.003 min
Response: 115906
Conc: 4.68 ng/ml

Instrument :
FID_B
ClientSampleId :
5 GRO STD



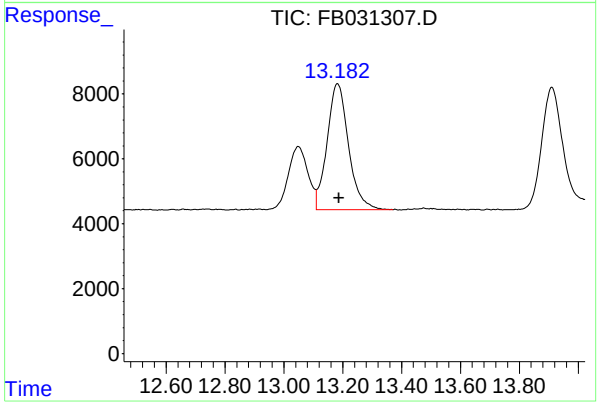
#6 Toluene

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



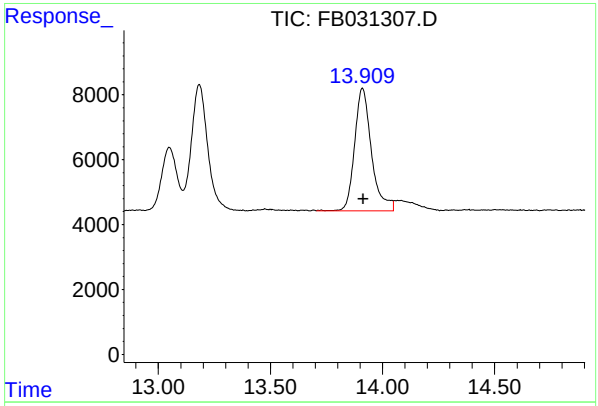
#7 Ethylbenzene

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



#8 m-Xylene

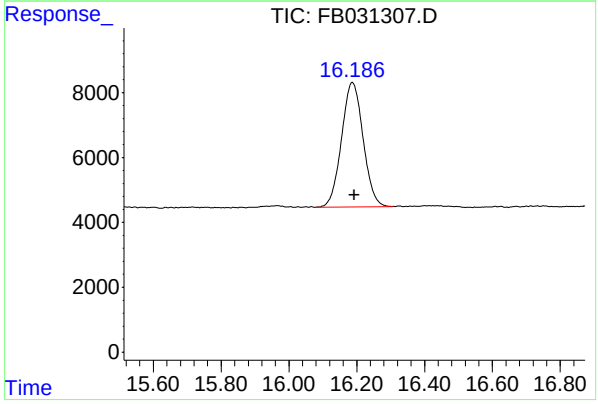
R.T.: 13.183 min
Delta R.T.: -0.005 min
Response: 196650
Conc: 5.78 ng/ml



#9 O-Xylene

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

Instrument :
FID_B
ClientSampleId :
5 GRO STD



#10 1,2,4-Trimethylbenzene

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

rteres

Area Percent Report

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

Integration File: Calibration.e

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

Signal : FID2B.CH

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

Sum of corrected areas: 1735154

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

Quantitation Report (QT Reviewed)

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

Instrument :
FID_B
ClientSampleId :
10 GRO STD

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

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
5) s	AAA-TFT	8.789	244936	10.217	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.720	431842	14.006	ng/ml
2) t	2,2,4-Trimethylpentane	7.419	507274	14.158	ng/ml
3) t	n-Heptane	7.753	160152	4.983	ng/ml
4) t	Benzene	7.890	182595	4.668	ng/ml
6) t	Toluene	10.617	517285	14.011	ng/ml
7) t	Ethylbenzene	13.052	152171	4.477	ng/ml
8) t	m-Xylene	13.186	328529	8.961	ng/ml
9) t	O-Xylene	13.914	316418	8.867	ng/ml
10) t	1,2,4-Trimethylbenzene	16.191	253117	8.502	ng/ml

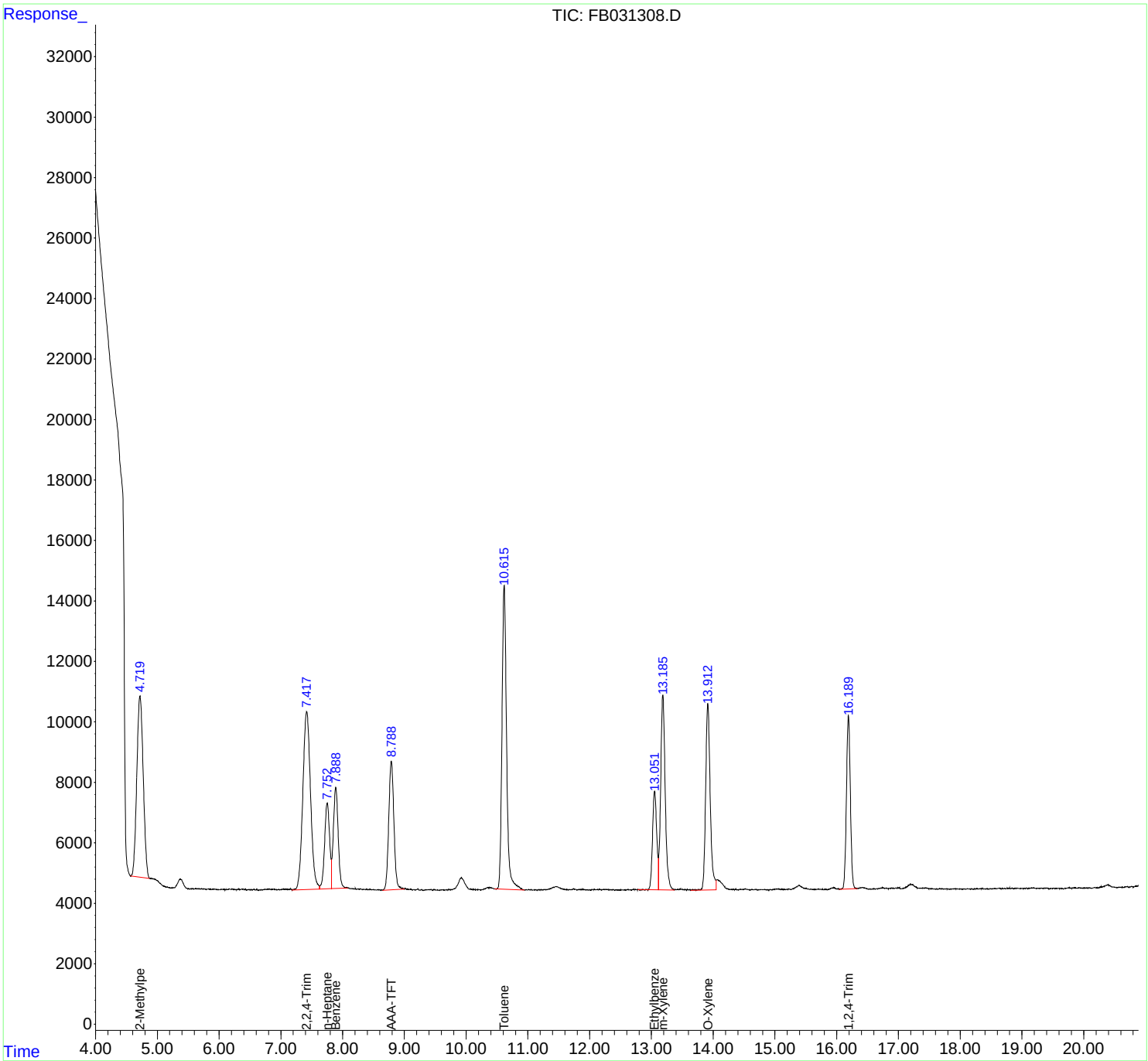
(f)=RT Delta > 1/2 Window (m)=manual int.

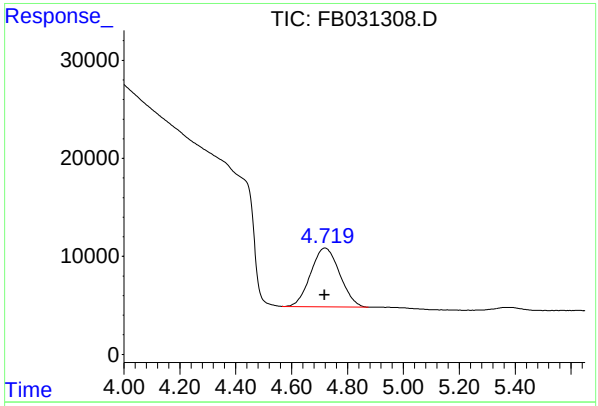
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011525\
Data File : FB031308.D
Signal(s) : FID2B.CH
Acq On : 15 Jan 2025 10:47
Operator : YP/AJ
Sample : 10 GRO STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
10 GRO STD

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

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

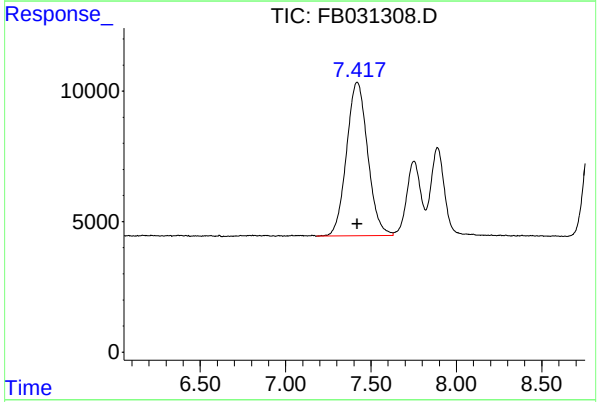




#1 2-Methylpentane

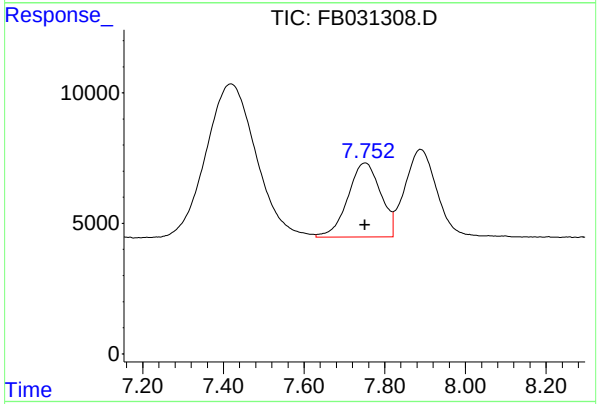
R.T.: 4.720 min
Delta R.T.: 0.002 min
Response: 431842
Conc: 14.01 ng/ml

Instrument :
FID_B
ClientSampleId :
10 GRO STD



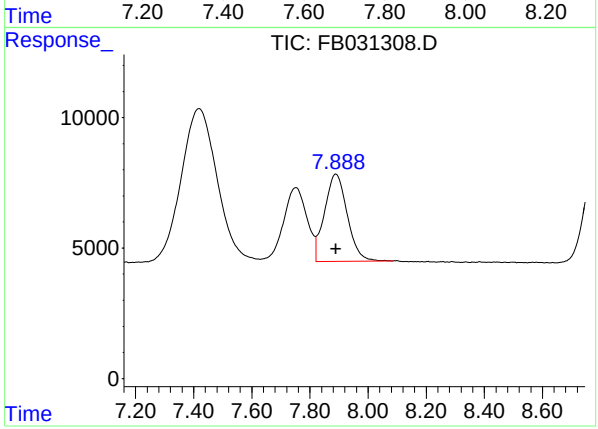
#2 2,2,4-Trimethylpentane

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



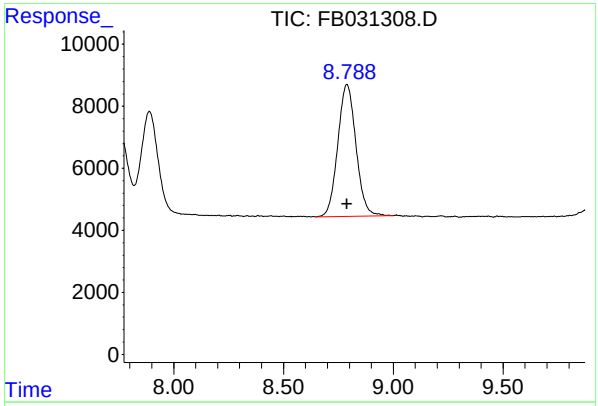
#3 n-Heptane

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



#4 Benzene

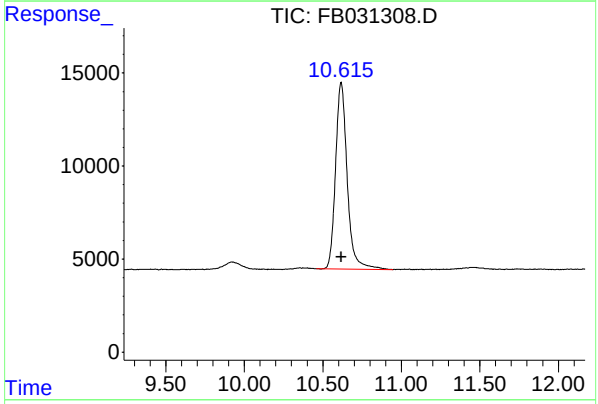
R.T.: 7.890 min
Delta R.T.: 0.000 min
Response: 182595
Conc: 4.67 ng/ml



#5 AAA-TFT

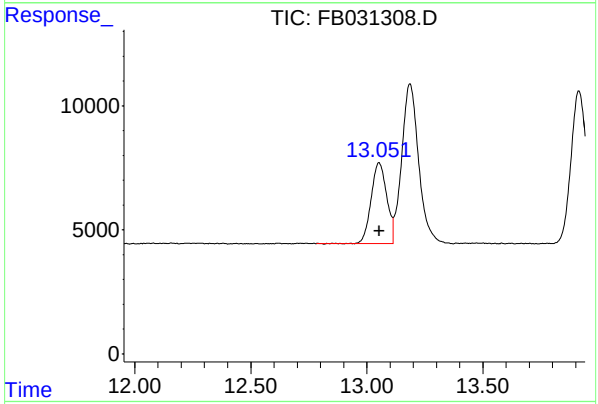
R.T.: 8.789 min
Delta R.T.: 0.000 min
Response: 244936
Conc: 10.22 ng/ml

Instrument :
FID_B
ClientSampleId :
10 GRO STD



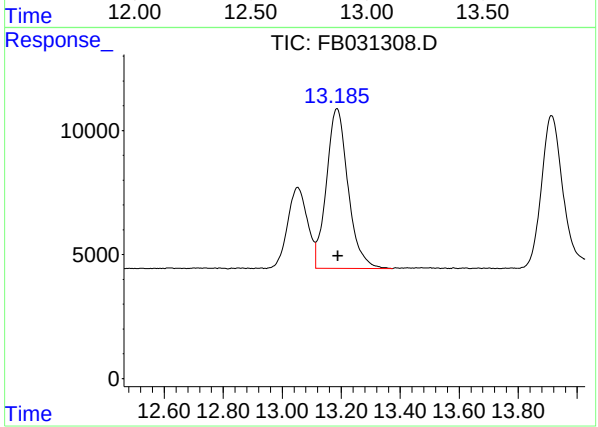
#6 Toluene

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



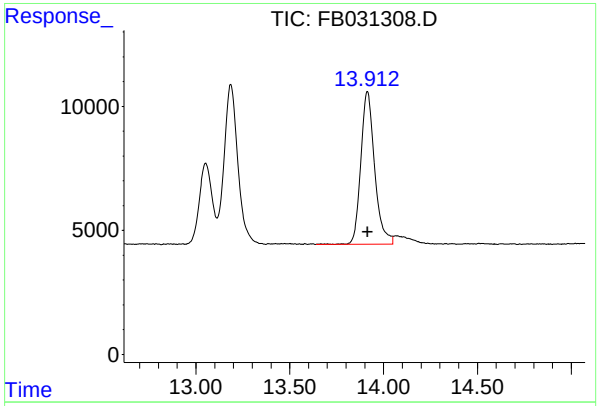
#7 Ethylbenzene

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



#8 m-Xylene

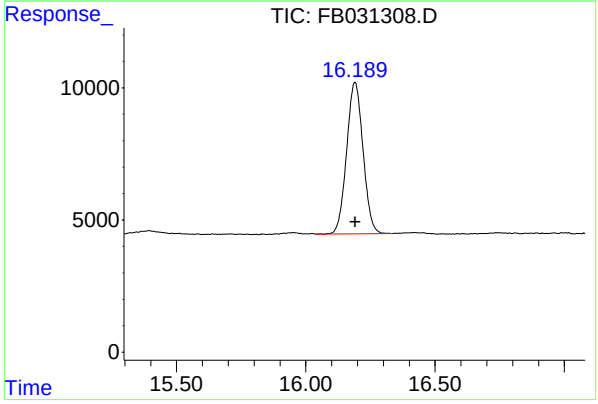
R.T.: 13.186 min
Delta R.T.: -0.002 min
Response: 328529
Conc: 8.96 ng/ml



#9 O-Xylene

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

Instrument :
FID_B
ClientSampleId :
10 GRO STD



#10 1,2,4-Trimethylbenzene

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

rteres

Area Percent Report

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

Integration File: Calibration.e

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

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.720	4.565	4.875	BV	6002	431842	83.48%	13.956%
2	7.419	7.179	7.629	PV	5886	507274	98.06%	16.394%
3	7.753	7.629	7.820	VV	2841	160152	30.96%	5.176%
4	7.890	7.820	8.086	VV	3346	182595	35.30%	5.901%
5	8.789	8.648	8.999	PV	4259	244936	47.35%	7.916%
6	10.617	10.457	10.947	BV	10045	517285	100.00%	16.717%
7	13.052	12.781	13.113	BV	3267	152171	29.42%	4.918%
8	13.186	13.113	13.374	VV	6447	328529	63.51%	10.617%
9	13.914	13.639	14.049	PV	6166	316418	61.17%	10.226%
10	16.191	16.038	16.336	PV	5740	253117	48.93%	8.180%

Sum of corrected areas: 3094319

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

Quantitation Report (QT Reviewed)

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

Instrument :
FID_B
ClientSampleId :
20 GRO STD

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

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
5) s	AAA-TFT	8.790	495333	20.000	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.718	915530	30.000	ng/ml
2) t	2,2,4-Trimethylpentane	7.420	1047795	30.000	ng/ml
3) t	n-Heptane	7.751	335553	10.000	ng/ml
4) t	Benzene	7.890	394556	10.000	ng/ml
6) t	Toluene	10.618	1088237	30.000	ng/ml
7) t	Ethylbenzene	13.054	317078	10.000	ng/ml
8) t	m-Xylene	13.188	679935	20.000	ng/ml
9) t	O-Xylene	13.916	635755	20.000	ng/ml
10) t	1,2,4-Trimethylbenzene	16.192	513022	20.000	ng/ml

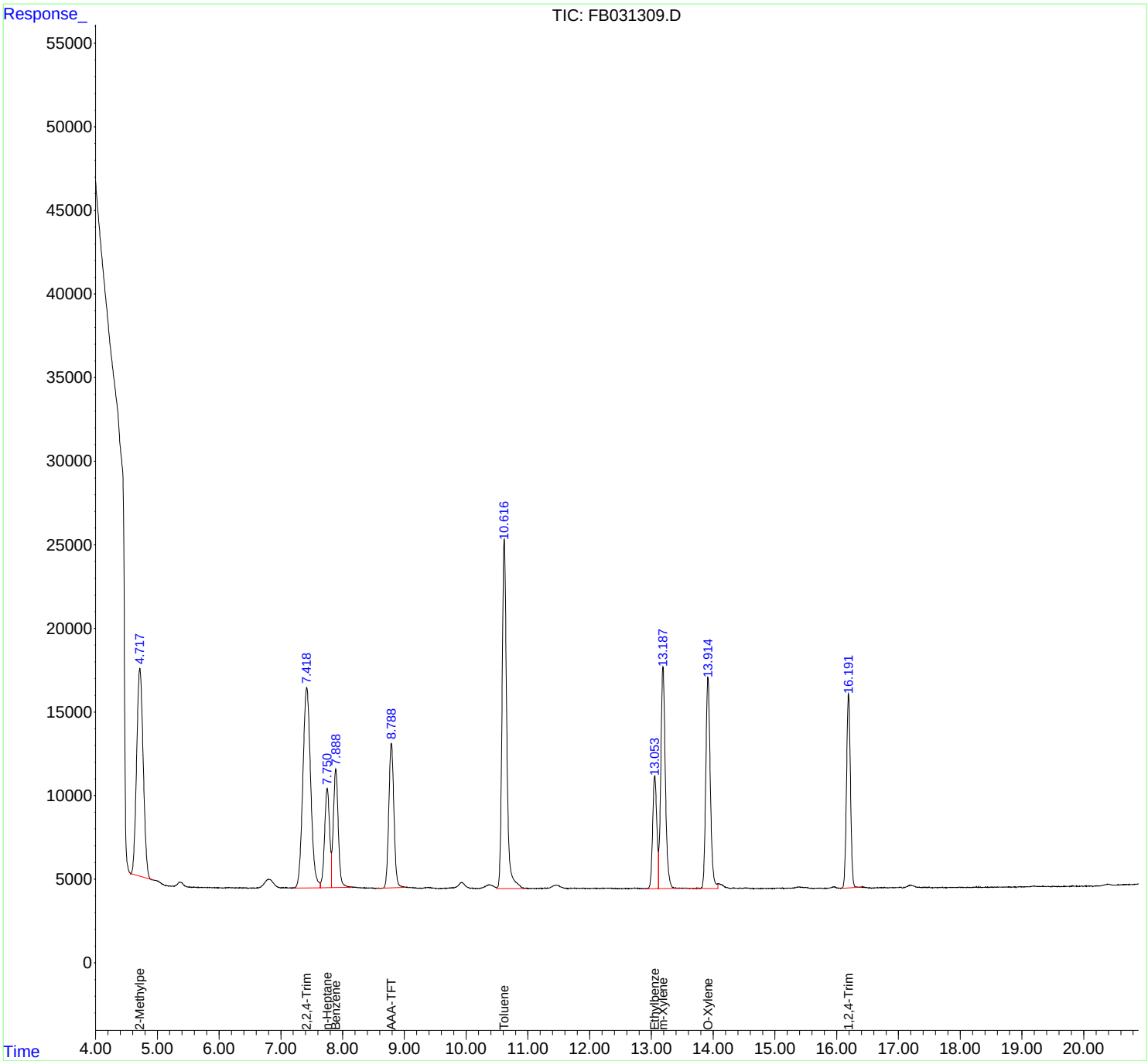
(f)=RT Delta > 1/2 Window (m)=manual int.

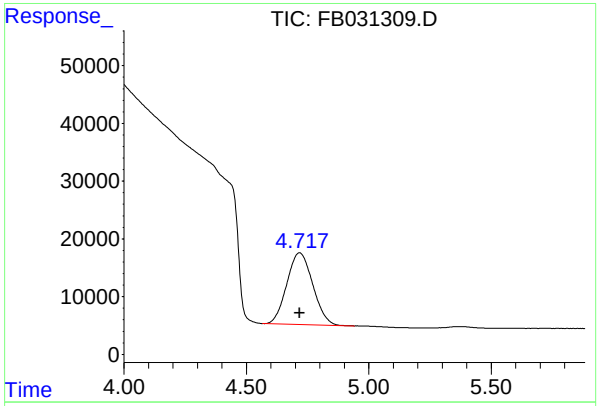
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011525\
Data File : FB031309.D
Signal(s) : FID2B.CH
Acq On : 15 Jan 2025 11:13
Operator : YP/AJ
Sample : 20 GRO STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 GRO STD

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

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

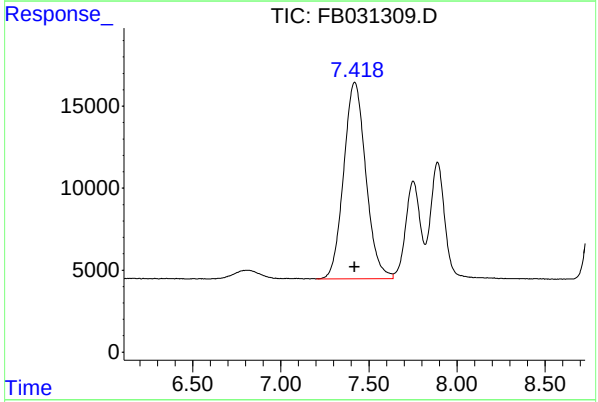




#1 2-Methylpentane

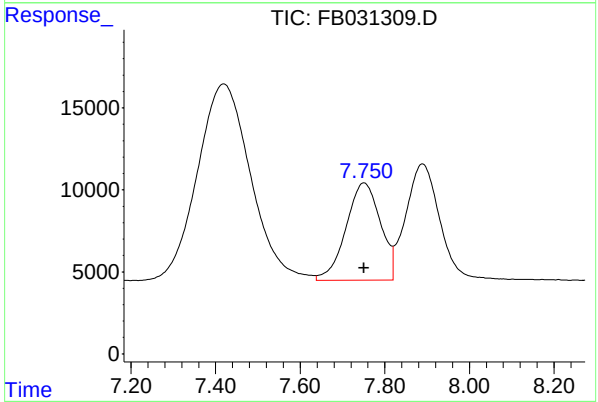
R.T.: 4.718 min
Delta R.T.: 0.000 min
Response: 915530
Conc: 30.00 ng/ml

Instrument :
FID_B
ClientSampleId :
20 GRO STD



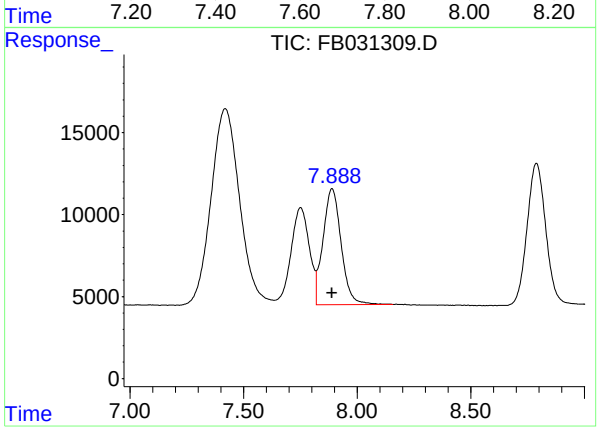
#2 2,2,4-Trimethylpentane

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



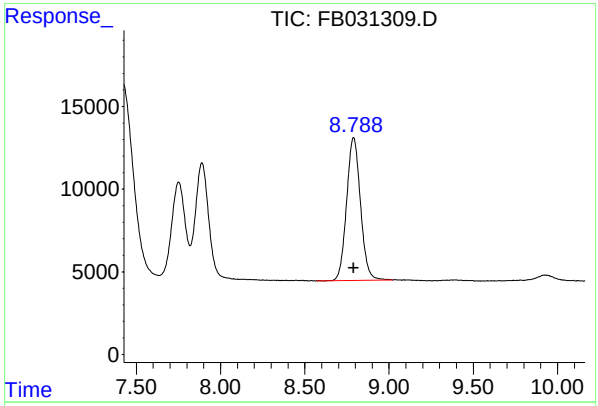
#3 n-Heptane

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



#4 Benzene

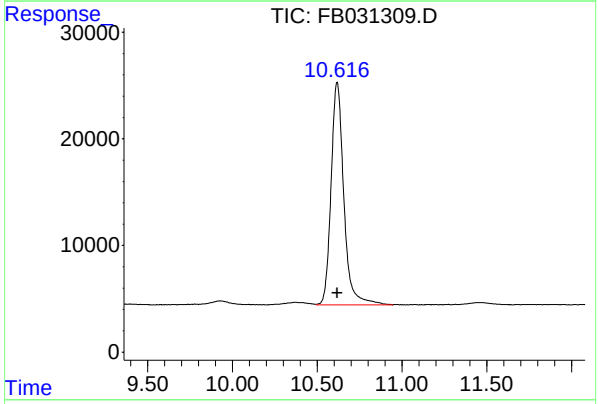
R.T.: 7.890 min
Delta R.T.: 0.000 min
Response: 394556
Conc: 10.00 ng/ml



#5 AAA-TFT

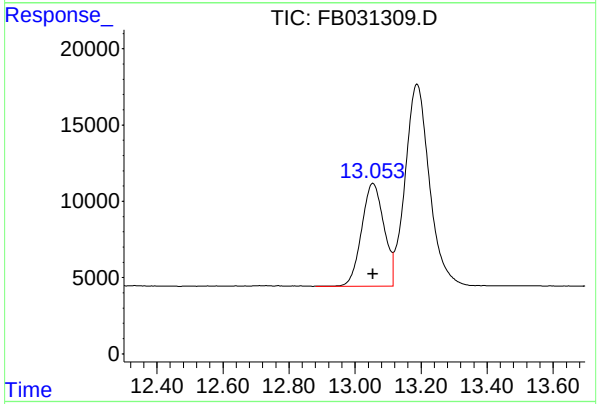
R.T.: 8.790 min
Delta R.T.: 0.000 min
Response: 495333
Conc: 20.00 ng/ml

Instrument :
FID_B
ClientSampleId :
20 GRO STD



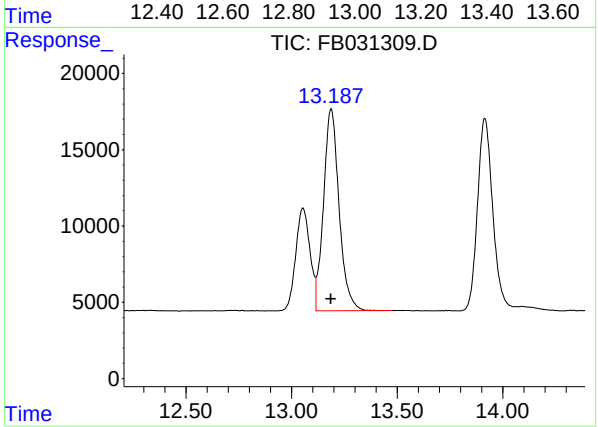
#6 Toluene

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



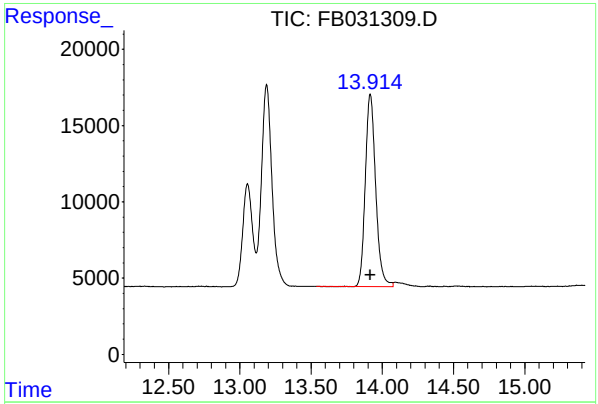
#7 Ethylbenzene

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



#8 m-Xylene

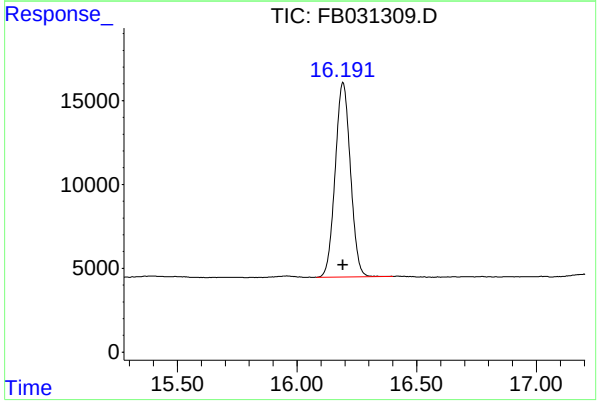
R.T.: 13.188 min
Delta R.T.: 0.000 min
Response: 679935
Conc: 20.00 ng/ml



#9 O-Xylene

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

Instrument :
FID_B
ClientSampleId :
20 GRO STD



#10 1,2,4-Trimethylbenzene

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

rteres

Area Percent Report

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

Integration File: Calibration.e

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

Signal : FID2B.CH

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

Sum of corrected areas: 6422794

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

Quantitation Report (QT Reviewed)

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

Instrument :
FID_B
ClientSampleId :
50 GRO STD

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

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
5) s	AAA-TFT	8.789	1088363	45.072	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.716	2794680	92.689	ng/ml
2) t	2,2,4-Trimethylpentane	7.422	3062779	87.112	ng/ml
3) t	n-Heptane	7.751	1021135	31.806	ng/ml
4) t	Benzene	7.889	1195371	31.251	ng/ml
6) t	Toluene	10.618	3175016	87.930	ng/ml
7) t	Ethylbenzene	13.056	915002	27.894	ng/ml
8) t	m-Xylene	13.189	1979254	55.922	ng/ml
9) t	O-Xylene	13.917	1844879	53.730	ng/ml
10) t	1,2,4-Trimethylbenzene	16.193	1414716	50.018	ng/ml

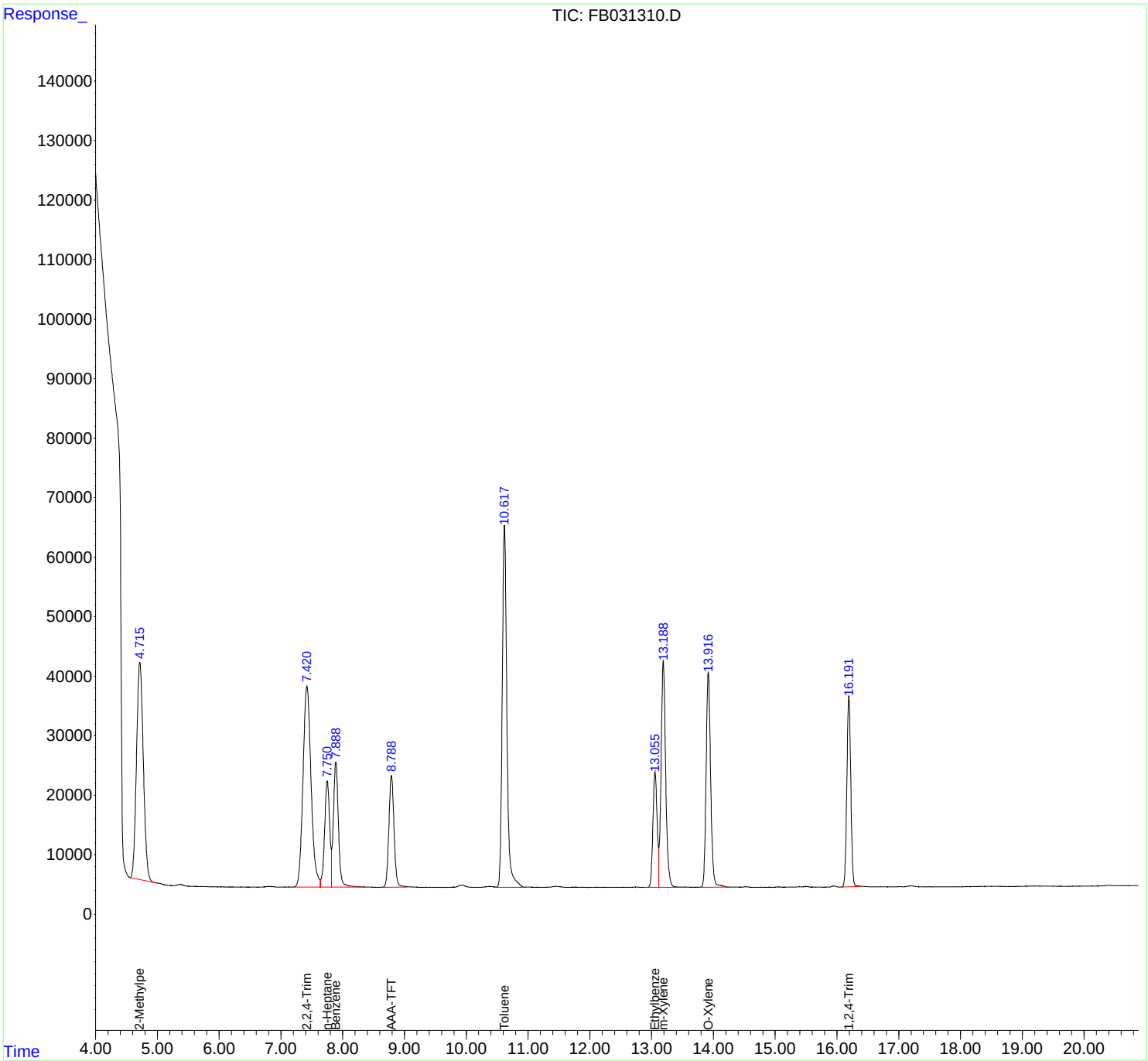
(f)=RT Delta > 1/2 Window (m)=manual int.

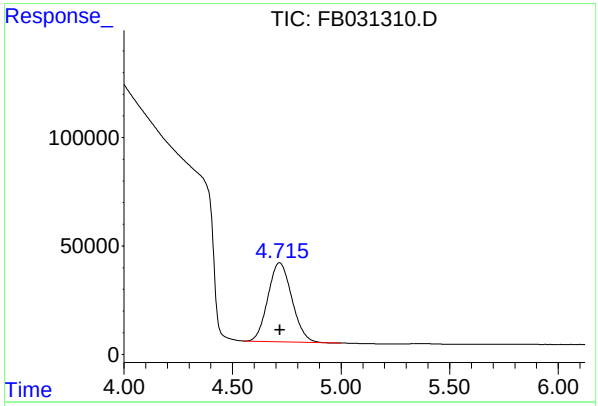
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011525\
Data File : FB031310.D
Signal(s) : FID2B.CH
Acq On : 15 Jan 2025 11:40
Operator : YP/AJ
Sample : 50 GRO STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
50 GRO STD

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

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

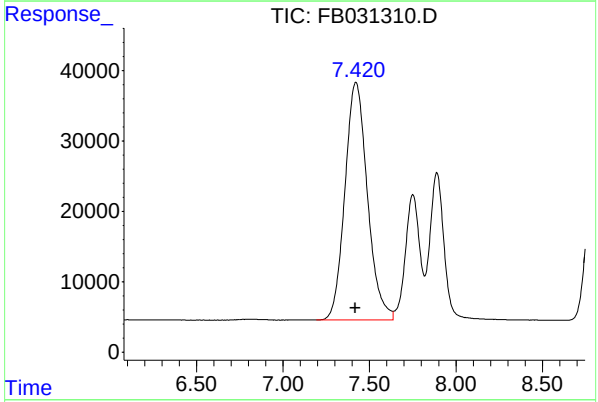




#1 2-Methylpentane

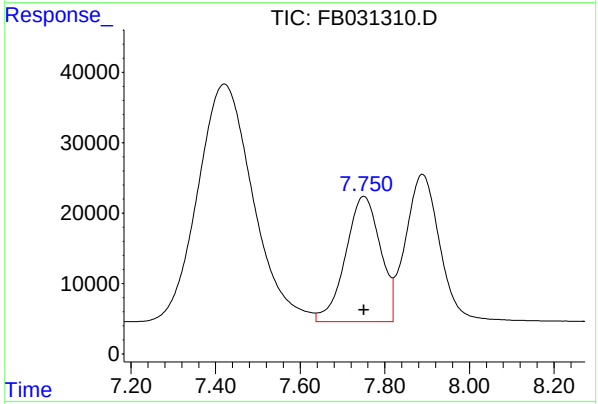
R.T.: 4.716 min
Delta R.T.: -0.002 min
Response: 2794680
Conc: 92.69 ng/ml

Instrument :
FID_B
ClientSampleId :
50 GRO STD



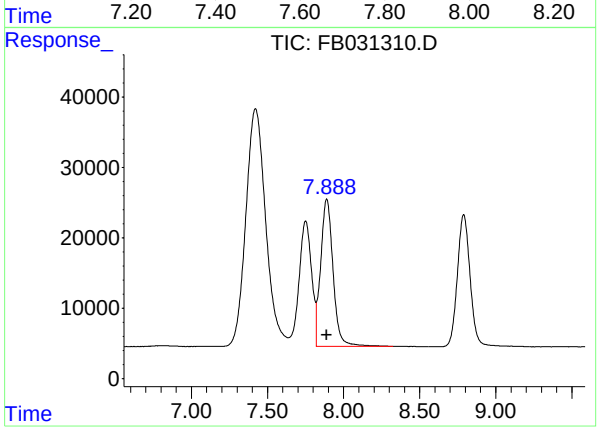
#2 2,2,4-Trimethylpentane

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



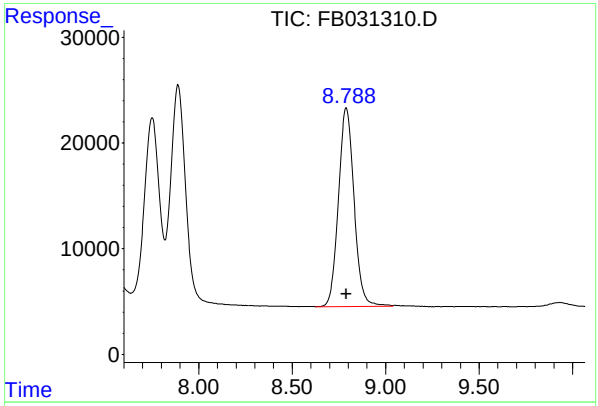
#3 n-Heptane

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



#4 Benzene

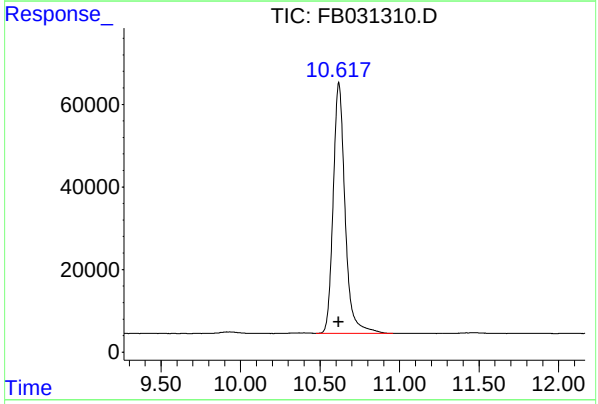
R.T.: 7.889 min
Delta R.T.: 0.000 min
Response: 1195371
Conc: 31.25 ng/ml



#5 AAA-TFT

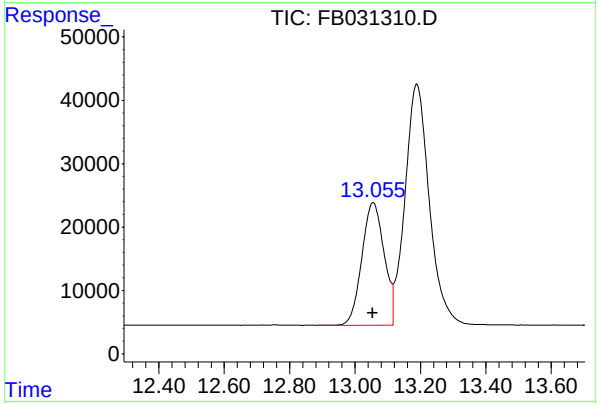
R.T.: 8.789 min
Delta R.T.: 0.000 min
Response: 1088363
Conc: 45.07 ng/ml

Instrument :
FID_B
ClientSampleId :
50 GRO STD



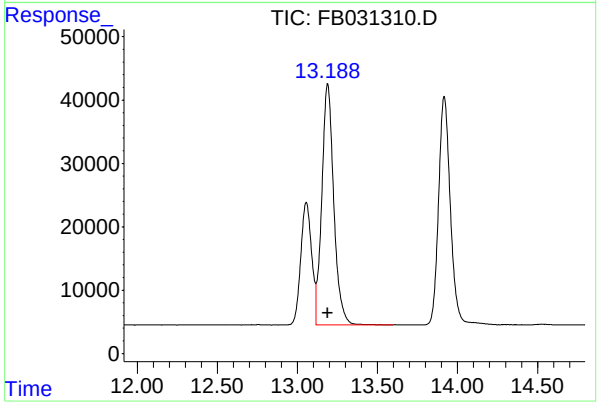
#6 Toluene

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



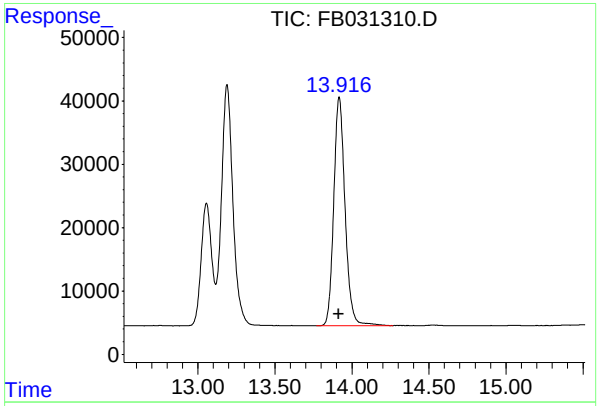
#7 Ethylbenzene

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



#8 m-Xylene

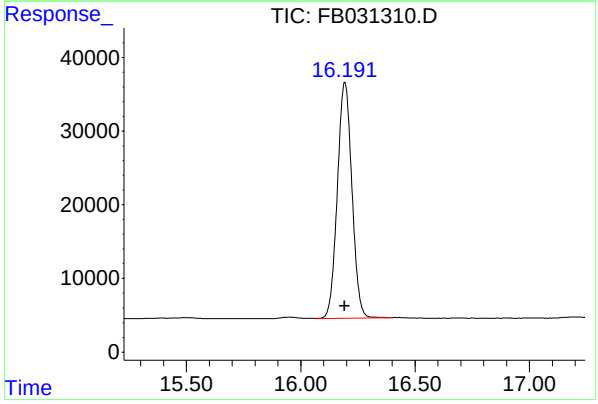
R.T.: 13.189 min
Delta R.T.: 0.001 min
Response: 1979254
Conc: 55.92 ng/ml



#9 O-Xylene

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

Instrument :
FID_B
ClientSampleId :
50 GRO STD



#10 1,2,4-Trimethylbenzene

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

rteres

Area Percent Report

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

Integration File: Calibration.e

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

Signal : FID2B.CH

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

Sum of corrected areas: 18491195

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

Quantitation Report (QT Reviewed)

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

Instrument :
FID_B
ClientSampleId :
100 GRO STD

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

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
5) s	AAA-TFT	8.789	2505507	106.381	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.714	5701862	178.580	ng/ml
2) t	2,2,4-Trimethylpentane	7.425	6258583	171.100	ng/ml
3) t	n-Heptane	7.749	2166770	63.189	ng/ml
4) t	Benzene	7.889	2519199	61.986	ng/ml
6) t	Toluene	10.619	6686047	177.515	ng/ml
7) t	Ethylbenzene	13.057	1906774	56.494	ng/ml
8) t	m-Xylene	13.191	4113116	112.870	ng/ml
9) t	O-Xylene	13.919	3816110	109.105	ng/ml
10) t	1,2,4-Trimethylbenzene	16.194	2845927	100.611	ng/ml

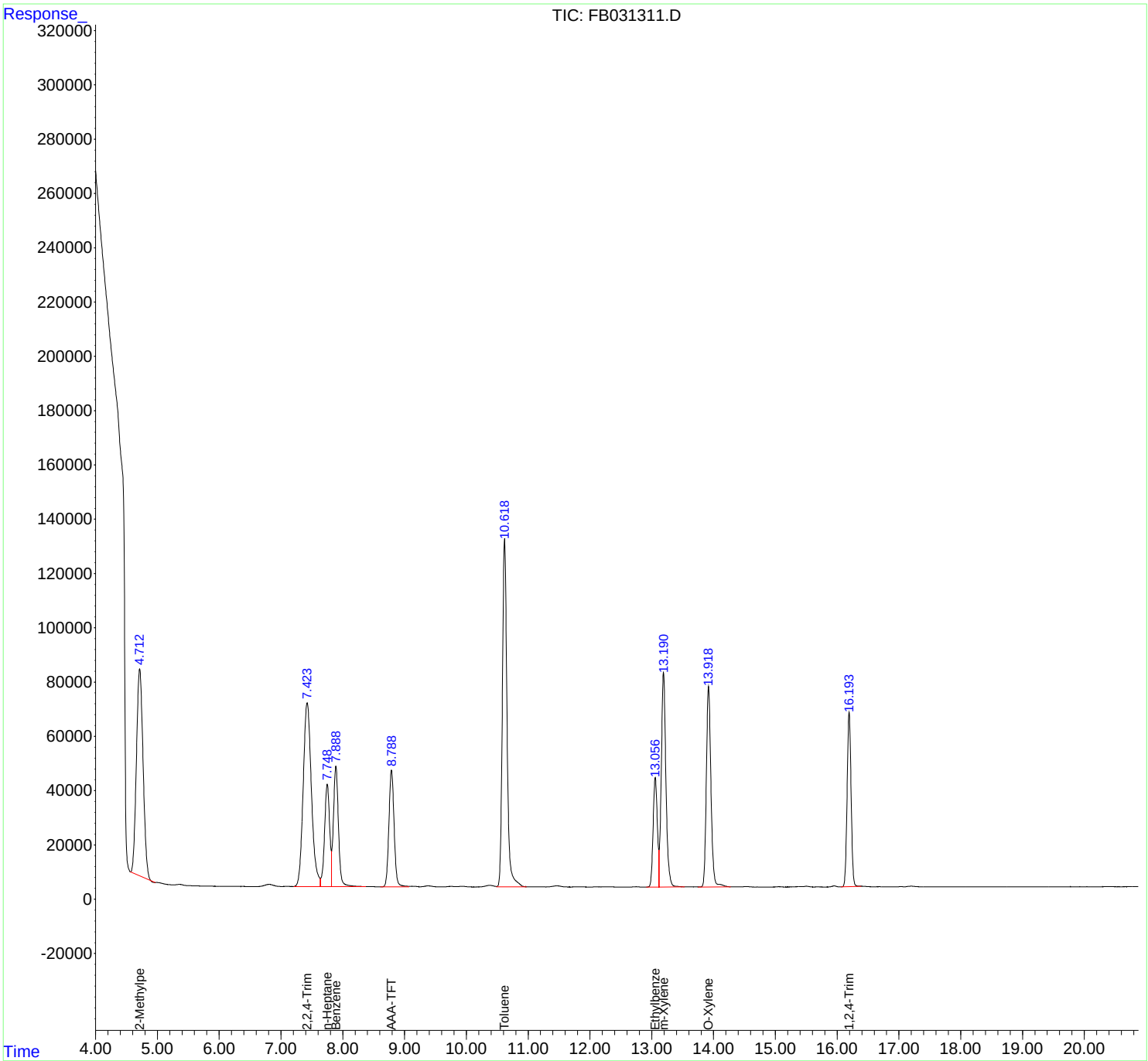
(f)=RT Delta > 1/2 Window (m)=manual int.

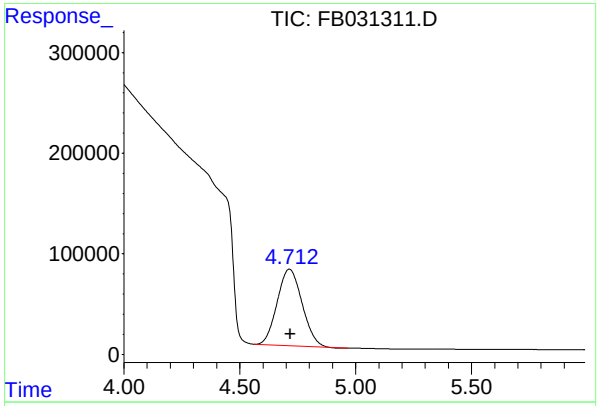
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011525\
Data File : FB031311.D
Signal(s) : FID2B.CH
Acq On : 15 Jan 2025 12:07
Operator : YP/AJ
Sample : 100 GRO STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
100 GRO STD

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

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

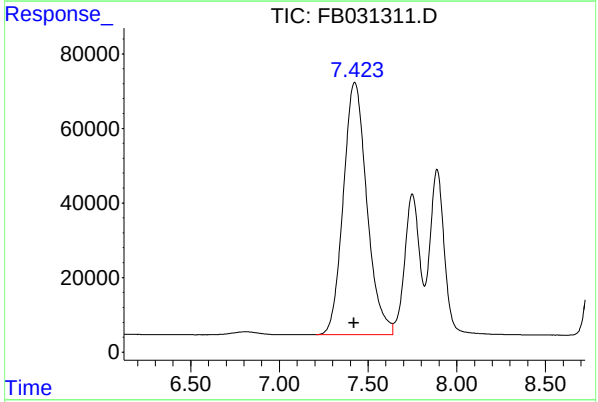




#1 2-Methylpentane

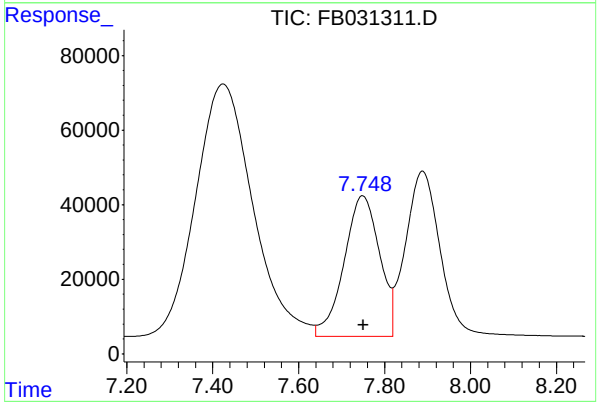
R.T.: 4.714 min
Delta R.T.: -0.004 min
Response: 5701862
Conc: 178.58 ng/ml

Instrument :
FID_B
ClientSampleId :
100 GRO STD



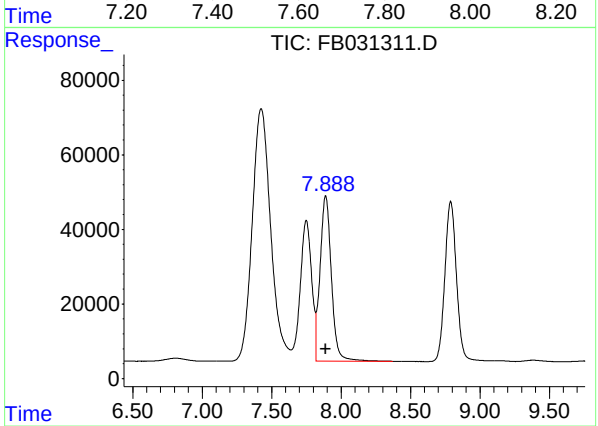
#2 2,2,4-Trimethylpentane

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



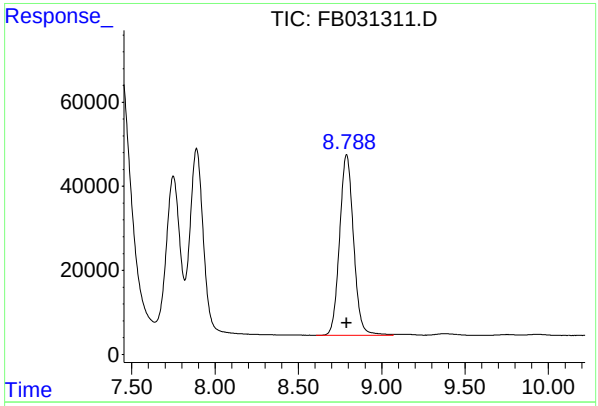
#3 n-Heptane

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



#4 Benzene

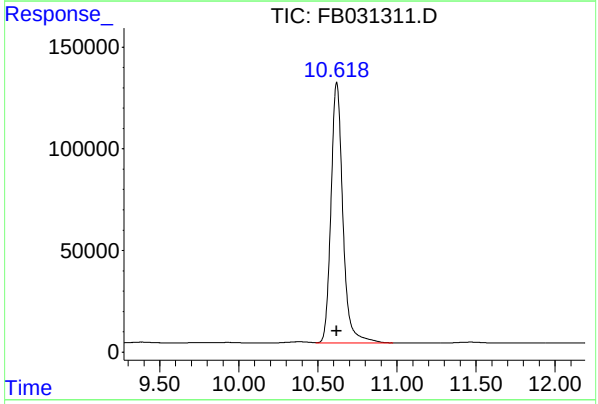
R.T.: 7.889 min
Delta R.T.: 0.000 min
Response: 2519199
Conc: 61.99 ng/ml



#5 AAA-TFT

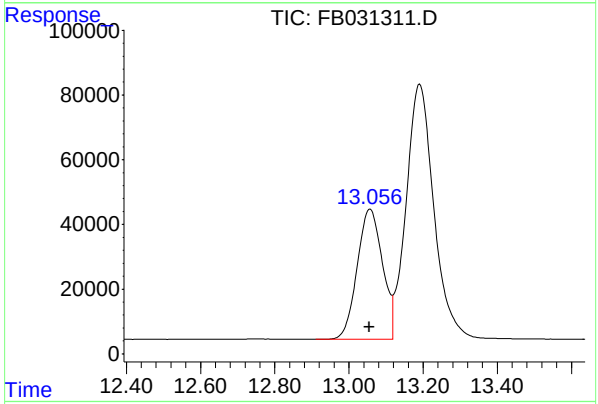
R.T.: 8.789 min
Delta R.T.: 0.000 min
Response: 2505507
Conc: 106.38 ng/ml

Instrument :
FID_B
ClientSampleId :
100 GRO STD



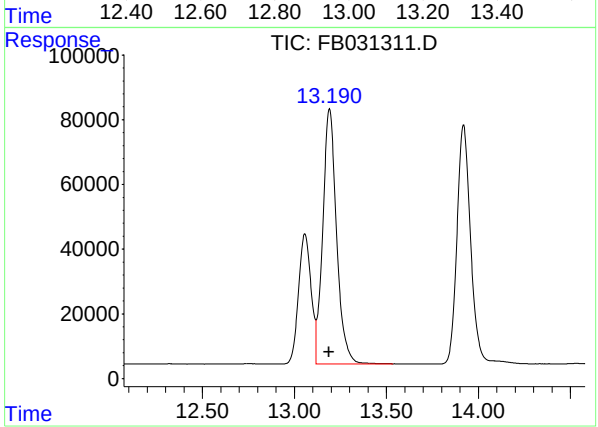
#6 Toluene

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



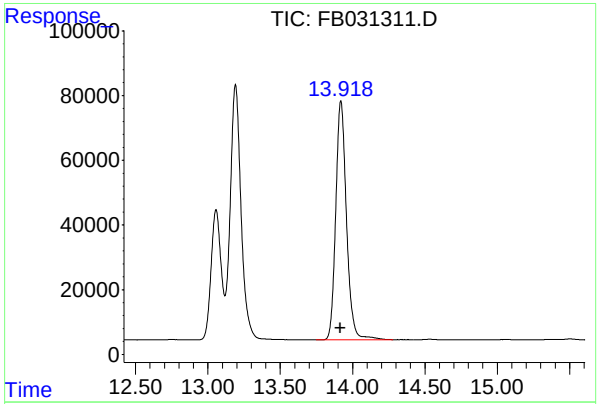
#7 Ethylbenzene

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



#8 m-Xylene

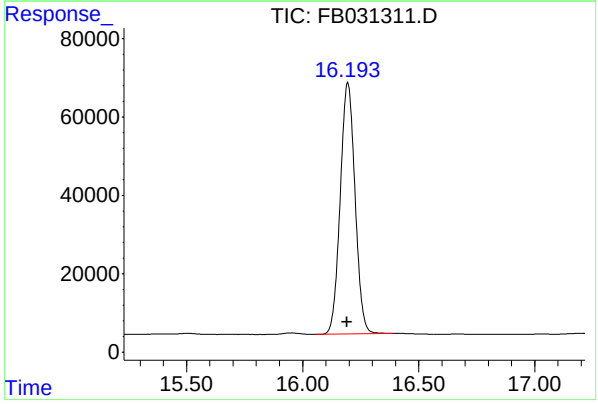
R.T.: 13.191 min
Delta R.T.: 0.003 min
Response: 4113116
Conc: 112.87 ng/ml



#9 O-Xylene

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

Instrument :
FID_B
ClientSampleId :
100 GRO STD



#10 1,2,4-Trimethylbenzene

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

rteres

Area Percent Report

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

Integration File: Calibration.e

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

Signal : FID2B.CH

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

Sum of corrected areas: 38519896

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

Quantitation Report (QT Reviewed)

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

Instrument :
FID_B
ClientSampleId :
FB011525GROICV

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

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
5) s	AAA-TFT	8.788	479840	20.117	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.715	1029585	31.062	ng/ml
2) t	2,2,4-Trimethylpentane	7.415	1208467	32.134	ng/ml
3) t	n-Heptane	7.749	355226	9.840	ng/ml
4) t	Benzene	7.887	448910	10.540	ng/ml
6) t	Toluene	10.616	1231346	31.535	ng/ml
7) t	Ethylbenzene	13.053	368640	10.646	ng/ml
8) t	m-Xylene	13.186	805181	21.541	ng/ml
9) t	O-Xylene	13.914	762753	21.418	ng/ml
10) t	1,2,4-Trimethylbenzene	16.191	636053	22.459	ng/ml

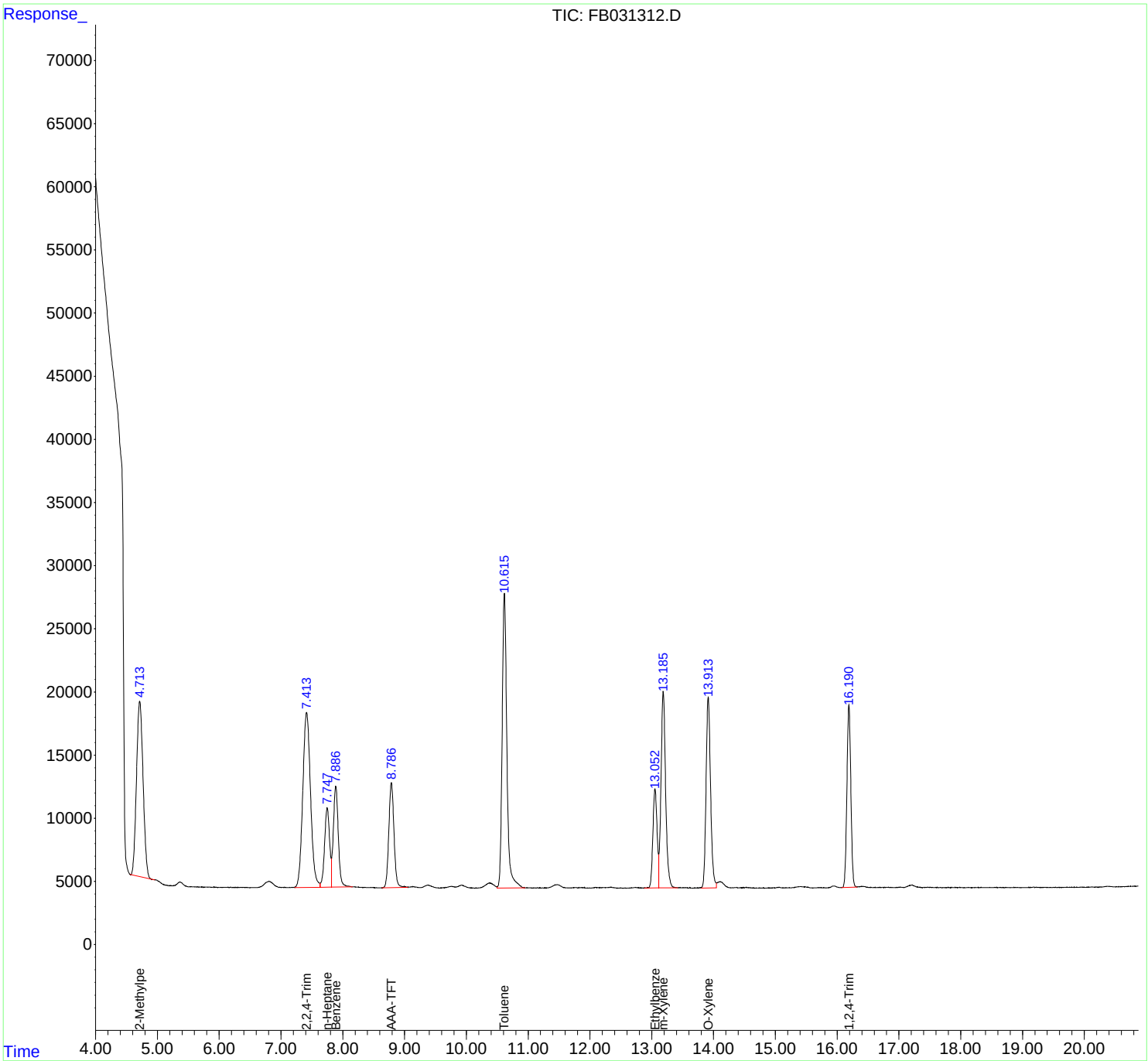
(f)=RT Delta > 1/2 Window (m)=manual int.

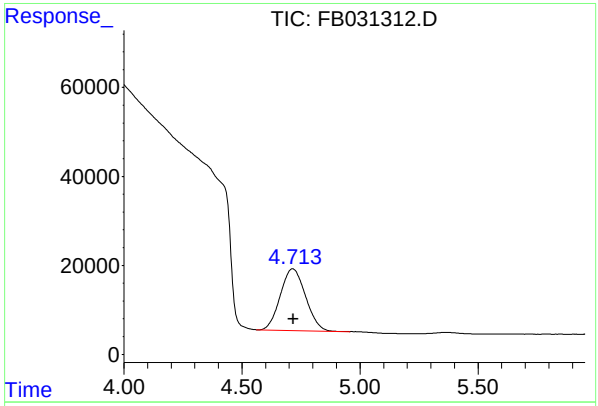
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011525\
Data File : FB031312.D
Signal(s) : FID2B.CH
Acq On : 15 Jan 2025 12:44
Operator : YP/AJ
Sample : FB011525GROICV
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
FB011525GROICV

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

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

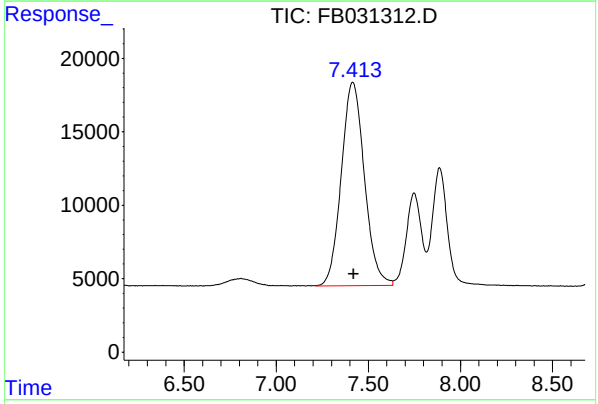




#1 2-Methylpentane

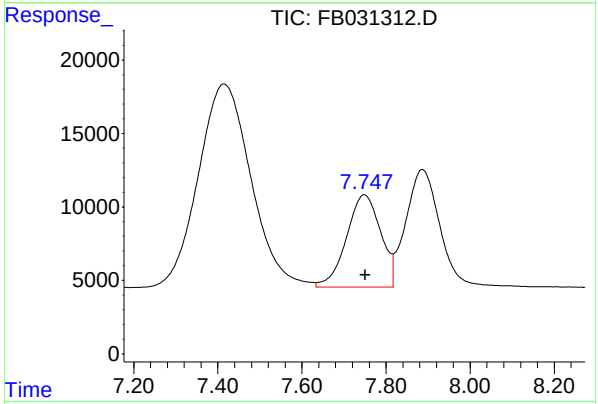
R.T.: 4.715 min
Delta R.T.: -0.003 min
Response: 1029585
Conc: 31.06 ng/ml

Instrument :
FID_B
ClientSampleId :
FB011525GROICV



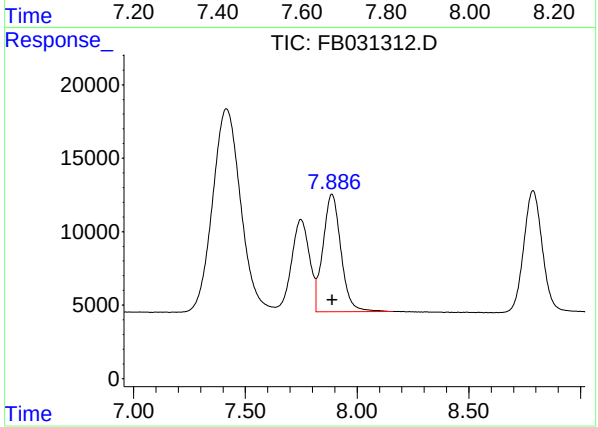
#2 2,2,4-Trimethylpentane

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



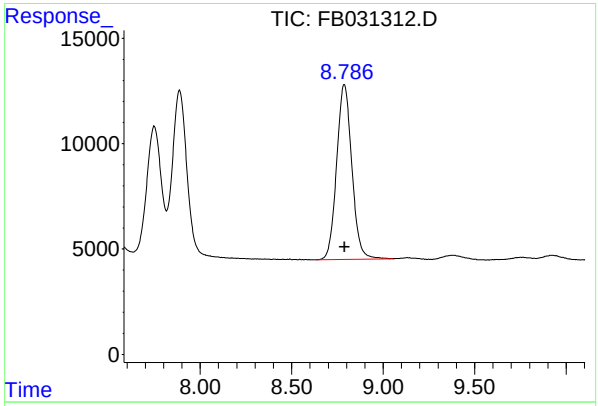
#3 n-Heptane

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



#4 Benzene

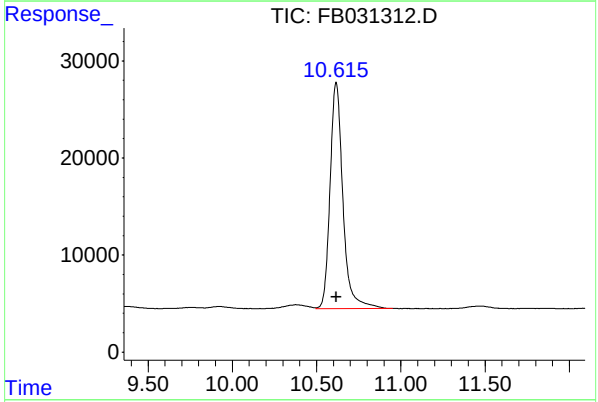
R.T.: 7.887 min
Delta R.T.: -0.003 min
Response: 448910
Conc: 10.54 ng/ml



#5 AAA-TFT

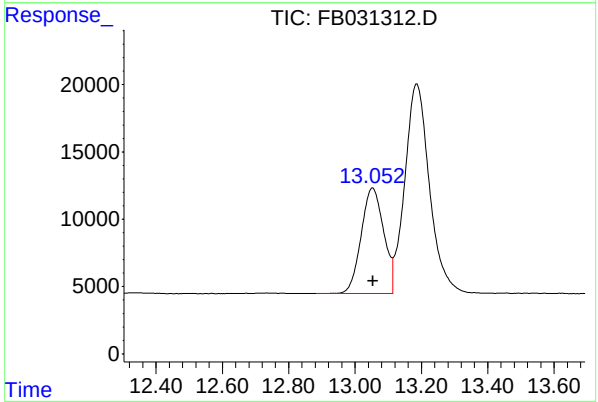
R.T.: 8.788 min
Delta R.T.: -0.002 min
Response: 479840
Conc: 20.12 ng/ml

Instrument :
FID_B
ClientSampleId :
FB011525GROICV



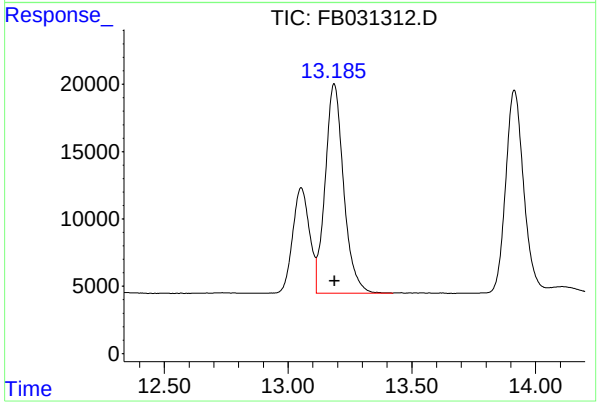
#6 Toluene

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



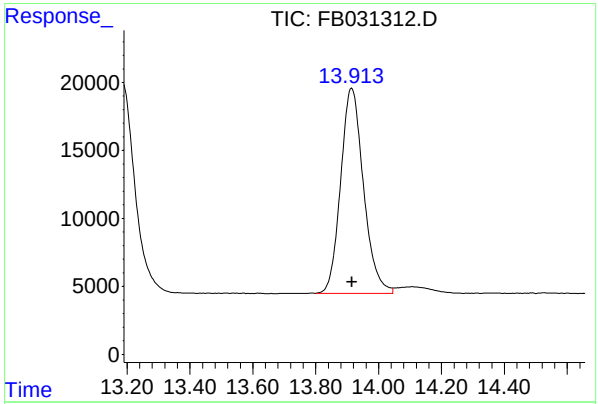
#7 Ethylbenzene

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



#8 m-Xylene

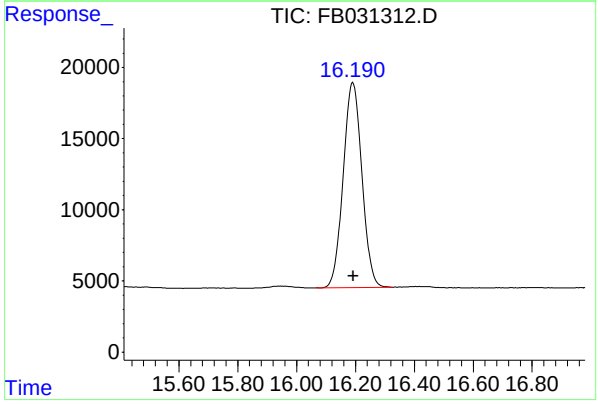
R.T.: 13.186 min
Delta R.T.: -0.002 min
Response: 805181
Conc: 21.54 ng/ml



#9 O-Xylene

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

Instrument :
FID_B
ClientSampleId :
FB011525GROICV



#10 1,2,4-Trimethylbenzene

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

rteres

Area Percent Report

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

Integration File: Calibration.e

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

Signal : FID2B.CH

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

Sum of corrected areas: 7326001

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

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

GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Chemtech Contract: RUTW01

ProjectID: NYCDDC SANTWOBR Brooklyn Bridge BBMCR

Lab Code: CHEM Case No.: Q1215 SAS No.: Q1215 SDG No.: Q1215

DataFile: FB031381.D Analyst Name: YP/AJ Analyst Date: 01-30-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	5826920	32372	35852	9.707

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013025\
Data File : FB031381.D
Signal(s) : FID2B.CH
Acq On : 30 Jan 2025 9:08
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Jan 31 00:54:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
5) s	AAA-TFT	8.784	391488	16.413	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.713	827207	24.957	ng/ml
2) t	2,2,4-Trimethylpentane	7.411	1033539	27.482	ng/ml
3) t	n-Heptane	7.744	298391	8.266	ng/ml
4) t	Benzene	7.883	396961	9.321	ng/ml
6) t	Toluene	10.613	1078612	27.624	ng/ml
7) t	Ethylbenzene	13.050	320465	9.254	ng/ml
8) t	m-Xylene	13.184	692642	18.530	ng/ml
9) t	O-Xylene	13.912	654478	18.377	ng/ml
10) t	1,2,4-Trimethylbenzene	16.188	524625	18.524	ng/ml

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

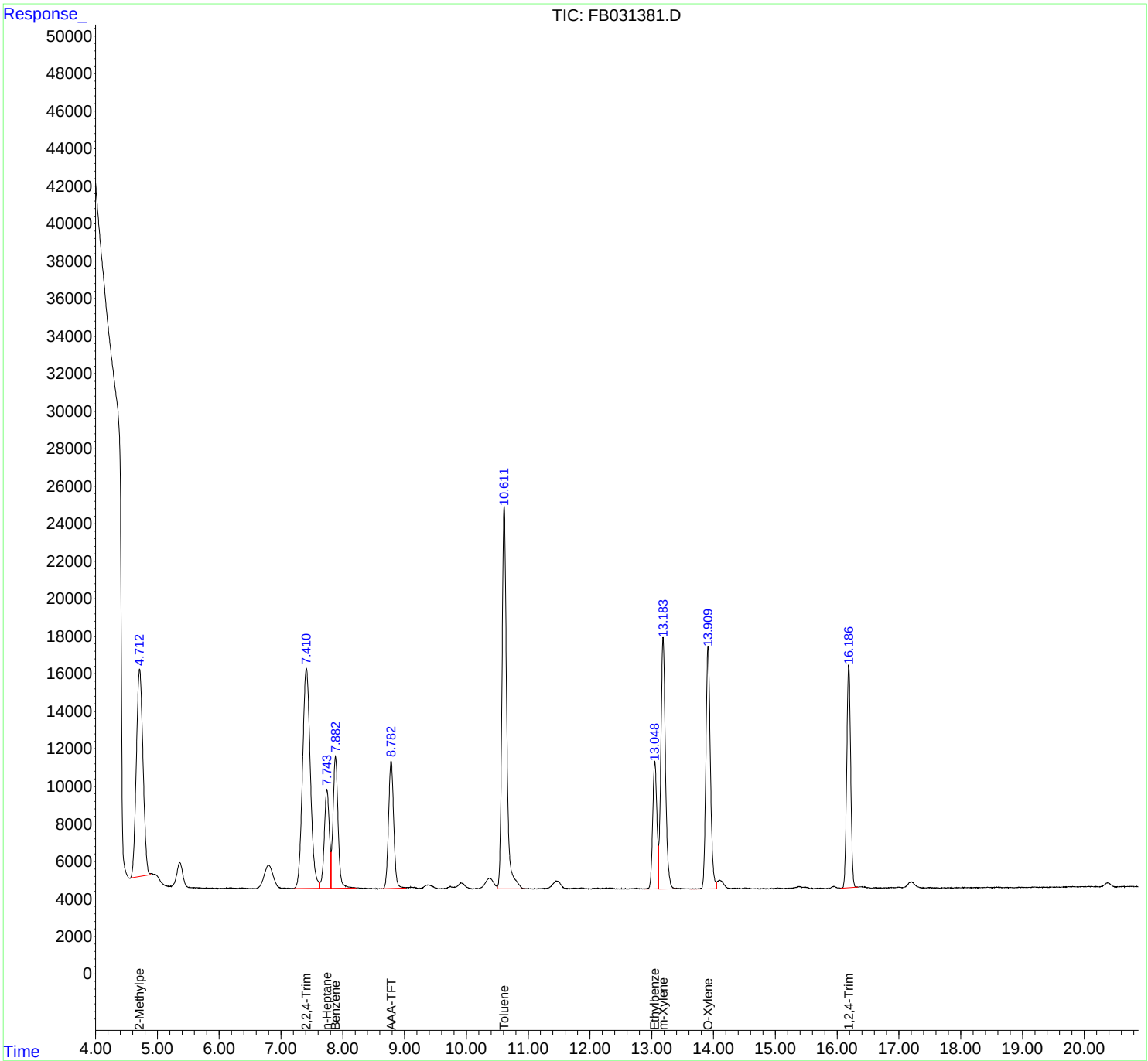
Quantitation Report (QT Reviewed)

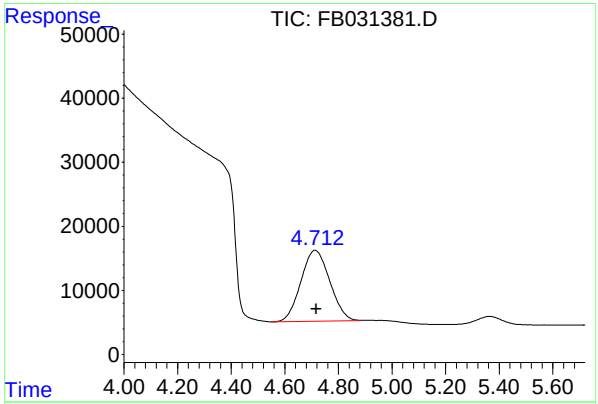
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013025\
Data File : FB031381.D
Signal(s) : FID2B.CH
Acq On : 30 Jan 2025 9:08
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Jan 31 00:54:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

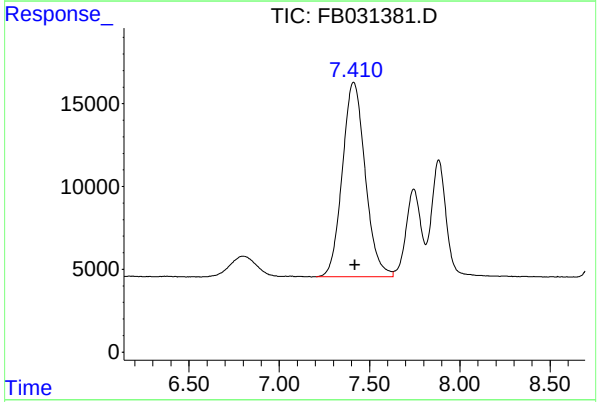




#1 2-Methylpentane

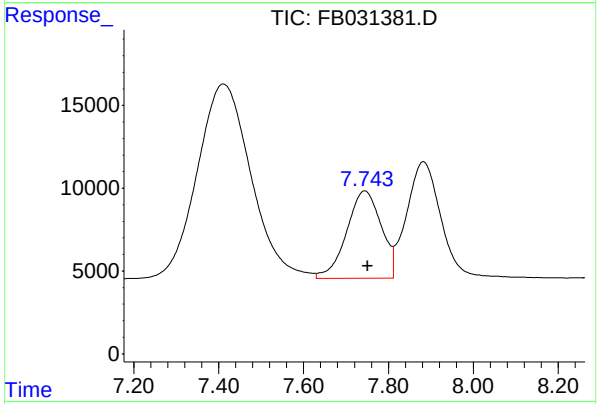
R.T.: 4.713 min
Delta R.T.: -0.005 min
Response: 827207
Conc: 24.96 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



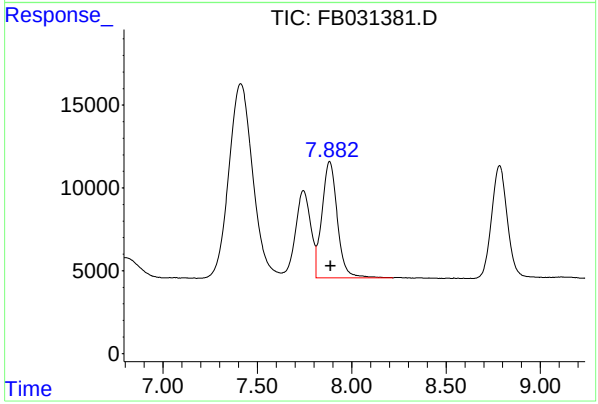
#2 2,2,4-Trimethylpentane

R.T.: 7.411 min
Delta R.T.: -0.008 min
Response: 1033539
Conc: 27.48 ng/ml



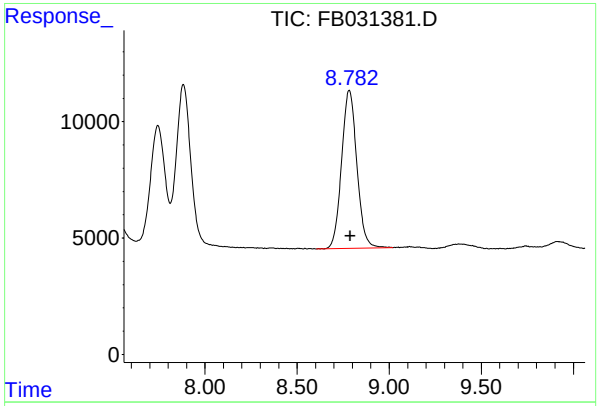
#3 n-Heptane

R.T.: 7.744 min
Delta R.T.: -0.007 min
Response: 298391
Conc: 8.27 ng/ml



#4 Benzene

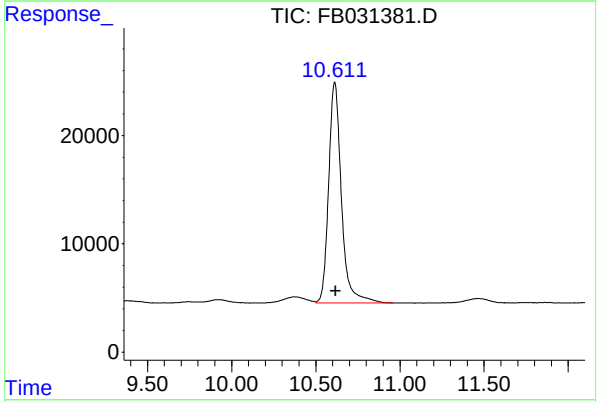
R.T.: 7.883 min
Delta R.T.: -0.007 min
Response: 396961
Conc: 9.32 ng/ml



#5 AAA-TFT

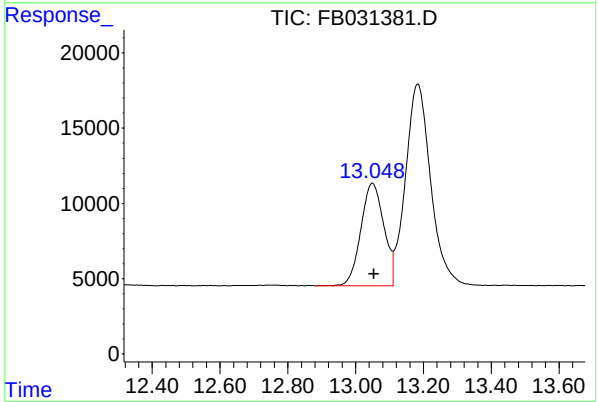
R.T.: 8.784 min
Delta R.T.: -0.006 min
Response: 391488
Conc: 16.41 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



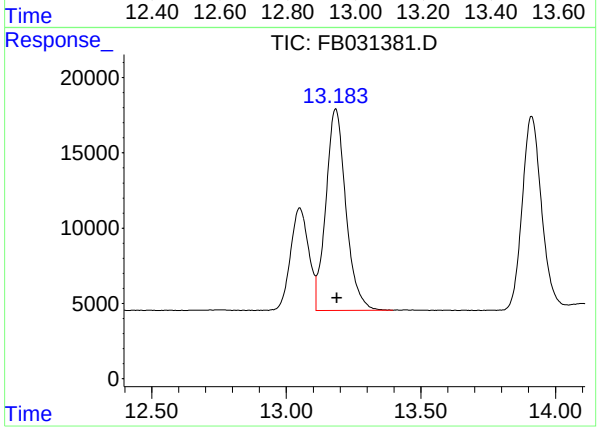
#6 Toluene

R.T.: 10.613 min
Delta R.T.: -0.005 min
Response: 1078612
Conc: 27.62 ng/ml



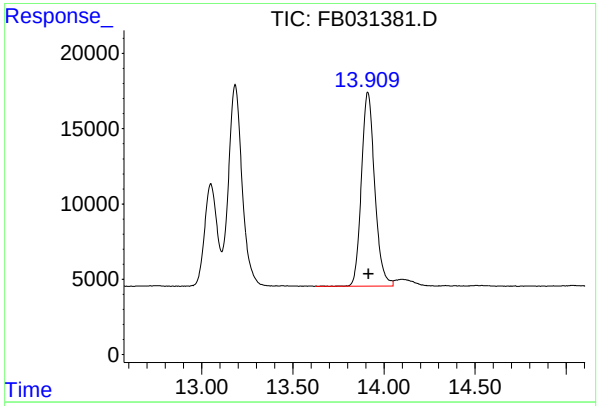
#7 Ethylbenzene

R.T.: 13.050 min
Delta R.T.: -0.004 min
Response: 320465
Conc: 9.25 ng/ml



#8 m-Xylene

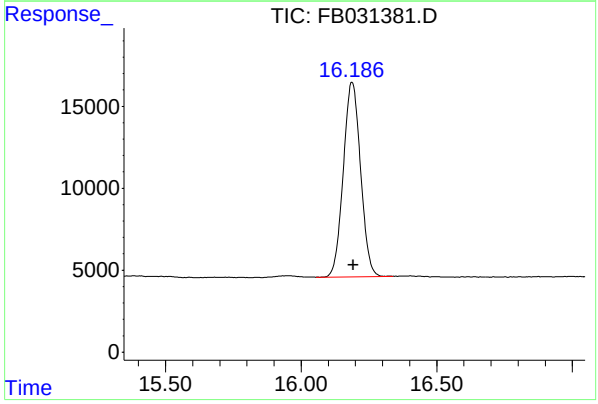
R.T.: 13.184 min
Delta R.T.: -0.004 min
Response: 692642
Conc: 18.53 ng/ml



#9 O-Xylene

R.T.: 13.912 min
Delta R.T.: -0.004 min
Response: 654478
Conc: 18.38 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



#10 1,2,4-Trimethylbenzene

R.T.: 16.188 min
Delta R.T.: -0.004 min
Response: 524625
Conc: 18.52 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013025\
Data File : FB031381.D
Signal(s) : FID2B.CH
Acq On : 30 Jan 2025 9:08
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: Calibration.e

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

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.713	4.548	4.883	BV	11063	827207	76.69%	13.303%
2	7.411	7.203	7.630	PV	11749	1033539	95.82%	16.621%
3	7.744	7.630	7.812	VV	5278	298391	27.66%	4.799%
4	7.883	7.812	8.220	VV	7037	396961	36.80%	6.384%
5	8.784	8.604	9.021	BV	6791	391488	36.30%	6.296%
6	10.613	10.501	10.958	VV	20395	1078612	100.00%	17.345%
7	13.050	12.883	13.110	PV	6822	320465	29.71%	5.153%
8	13.184	13.110	13.397	VV	13411	692642	64.22%	11.139%
9	13.912	13.628	14.050	BV	12892	654478	60.68%	10.525%
10	16.188	16.055	16.339	PV	11873	524625	48.64%	8.437%

Sum of corrected areas: 6218407

FB011525.M Fri Jan 31 01:21:59 2025

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Fax : 908 789 8922

GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Chemtech Contract: RUTW01

ProjectID: NYCDDC SANTWOBR Brooklyn Bridge BBMCR

Lab Code: CHEM Case No.: Q1215 SAS No.: Q1215 SDG No.: Q1215

DataFile: FB031392.D Analyst Name: YP/AJ Analyst Date: 01-30-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	5382208	29901	35852	16.599

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013025\
Data File : FB031392.D
Signal(s) : FID2B.CH
Acq On : 30 Jan 2025 14:40
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Jan 31 00:55:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
5) s	AAA-TFT	8.790	415650	17.426	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.716	806562	24.334	ng/ml
2) t	2,2,4-Trimethylpentane	7.417	972444	25.858	ng/ml
3) t	n-Heptane	7.752	289634	8.023	ng/ml
4) t	Benzene	7.889	355906	8.357	ng/ml
6) t	Toluene	10.619	1007778	25.810	ng/ml
7) t	Ethylbenzene	13.055	288066	8.319	ng/ml
8) t	m-Xylene	13.189	621170	16.618	ng/ml
9) t	O-Xylene	13.917	583577	16.386	ng/ml
10) t	1,2,4-Trimethylbenzene	16.193	457071	16.139	ng/ml

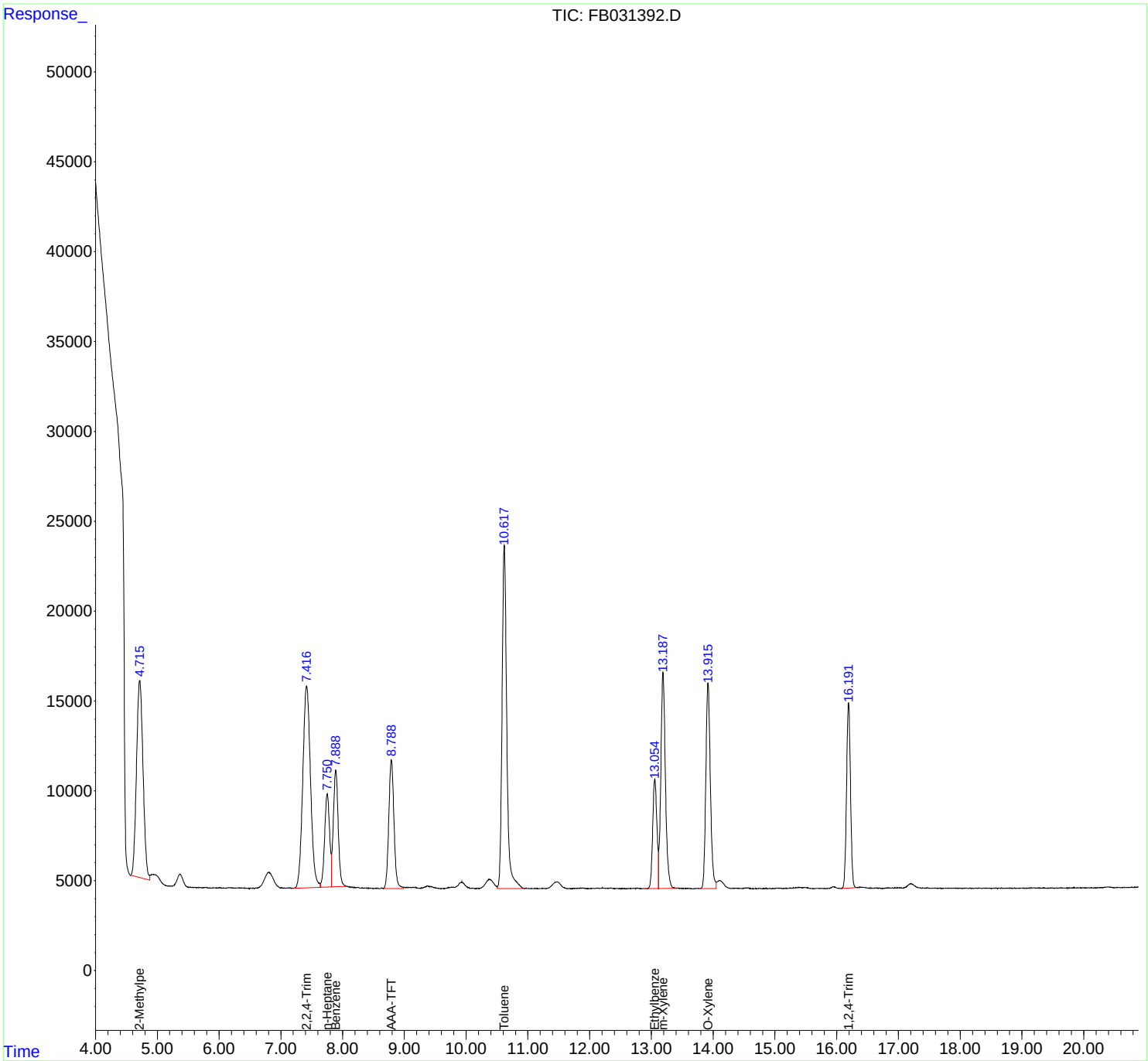
(f)=RT Delta > 1/2 Window (m)=manual int.

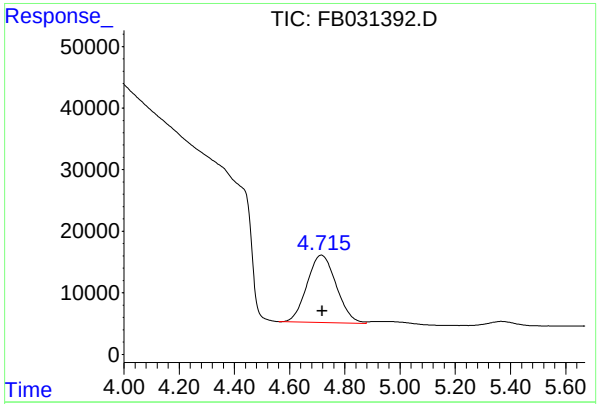
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013025\
Data File : FB031392.D
Signal(s) : FID2B.CH
Acq On : 30 Jan 2025 14:40
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Jan 31 00:55:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

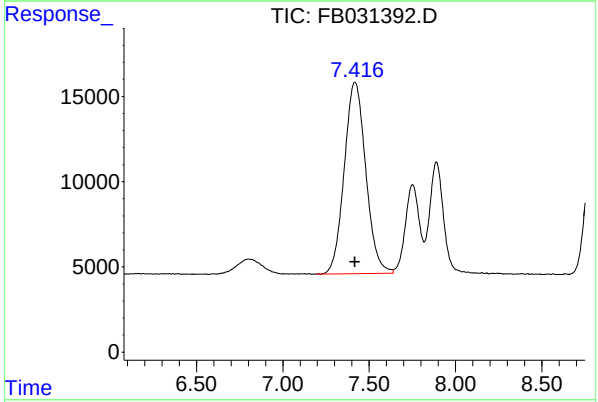




#1 2-Methylpentane

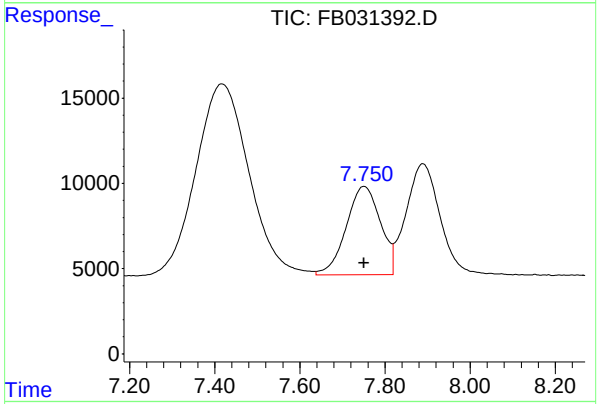
R.T.: 4.716 min
Delta R.T.: -0.002 min
Response: 806562
Conc: 24.33 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



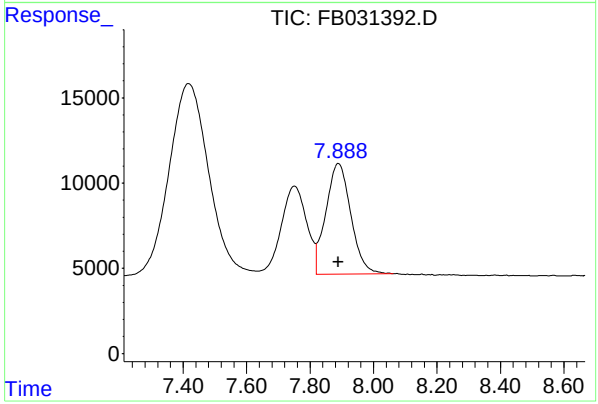
#2 2,2,4-Trimethylpentane

R.T.: 7.417 min
Delta R.T.: -0.003 min
Response: 972444
Conc: 25.86 ng/ml



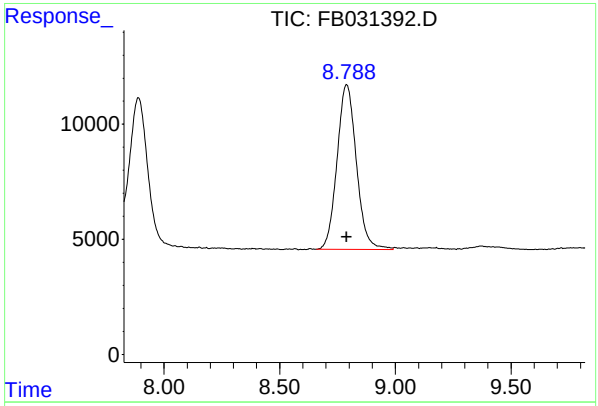
#3 n-Heptane

R.T.: 7.752 min
Delta R.T.: 0.000 min
Response: 289634
Conc: 8.02 ng/ml



#4 Benzene

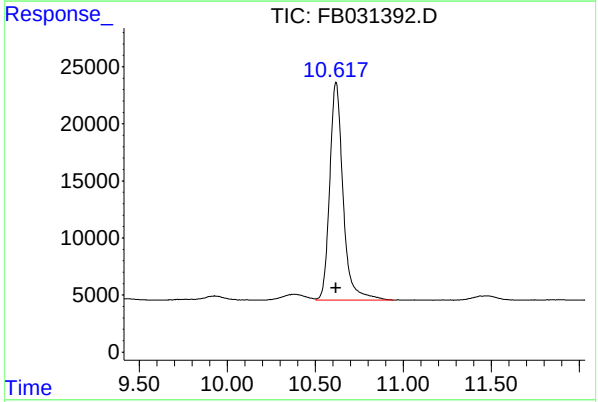
R.T.: 7.889 min
Delta R.T.: 0.000 min
Response: 355906
Conc: 8.36 ng/ml



#5 AAA-TFT

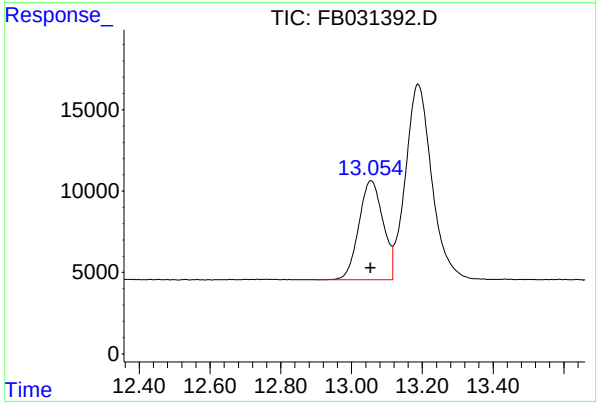
R.T.: 8.790 min
Delta R.T.: 0.000 min
Response: 415650
Conc: 17.43 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



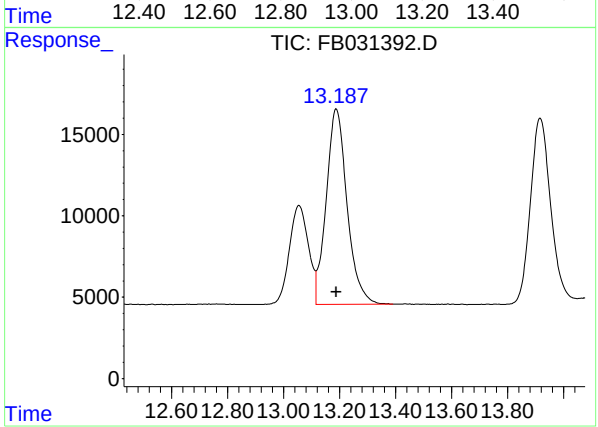
#6 Toluene

R.T.: 10.619 min
Delta R.T.: 0.000 min
Response: 1007778
Conc: 25.81 ng/ml



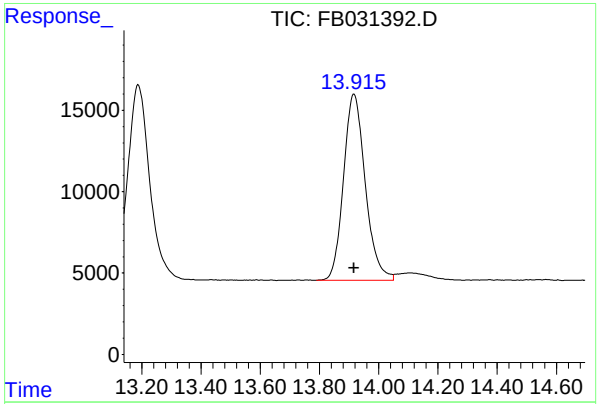
#7 Ethylbenzene

R.T.: 13.055 min
Delta R.T.: 0.001 min
Response: 288066
Conc: 8.32 ng/ml



#8 m-Xylene

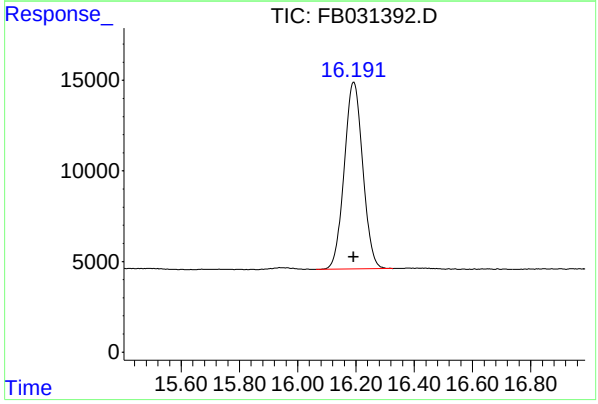
R.T.: 13.189 min
Delta R.T.: 0.000 min
Response: 621170
Conc: 16.62 ng/ml



#9 O-Xylene

R.T.: 13.917 min
Delta R.T.: 0.000 min
Response: 583577
Conc: 16.39 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



#10 1,2,4-Trimethylbenzene

R.T.: 16.193 min
Delta R.T.: 0.000 min
Response: 457071
Conc: 16.14 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013025\
Data File : FB031392.D
Signal(s) : FID2B.CH
Acq On : 30 Jan 2025 14:40
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: Calibration.e

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

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.716	4.559	4.877	BV	10974	806562	80.03%	13.911%
2	7.417	7.193	7.638	PV	11235	972444	96.49%	16.772%
3	7.752	7.638	7.819	VV	5185	289634	28.74%	4.996%
4	7.889	7.819	8.062	VV	6501	355906	35.32%	6.139%
5	8.790	8.658	8.991	PV	7163	415650	41.24%	7.169%
6	10.619	10.505	10.942	VV	19090	1007778	100.00%	17.382%
7	13.055	12.898	13.116	BV	6086	288066	28.58%	4.968%
8	13.189	13.116	13.391	VV	12018	621170	61.64%	10.714%
9	13.917	13.790	14.050	PV	11446	583577	57.91%	10.065%
10	16.193	16.063	16.327	PV	10319	457071	45.35%	7.883%

Sum of corrected areas: 5797858

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Fax : 908 789 8922

GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Chemtech Contract: RUTW01

ProjectID: NYCDDC SANTWOBR Brooklyn Bridge BBMCR

Lab Code: CHEM Case No.: Q1215 SAS No.: Q1215 SDG No.: Q1215

DataFile: FB031403.D Analyst Name: YP/AJ Analyst Date: 01-30-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	6227984	34600	35852	3.492

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013025\
Data File : FB031403.D
Signal(s) : FID2B.CH
Acq On : 30 Jan 2025 19:59
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Jan 31 00:56:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
5) s	AAA-TFT	8.790	535177	22.437	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.718	890209	26.857	ng/ml
2) t	2,2,4-Trimethylpentane	7.423	1081418	28.755	ng/ml
3) t	n-Heptane	7.752	346467	9.598	ng/ml
4) t	Benzene	7.890	429074	10.075	ng/ml
6) t	Toluene	10.619	1181001	30.246	ng/ml
7) t	Ethylbenzene	13.056	338136	9.765	ng/ml
8) t	m-Xylene	13.189	728348	19.485	ng/ml
9) t	O-Xylene	13.917	691378	19.413	ng/ml
10) t	1,2,4-Trimethylbenzene	16.193	541953	19.136	ng/ml

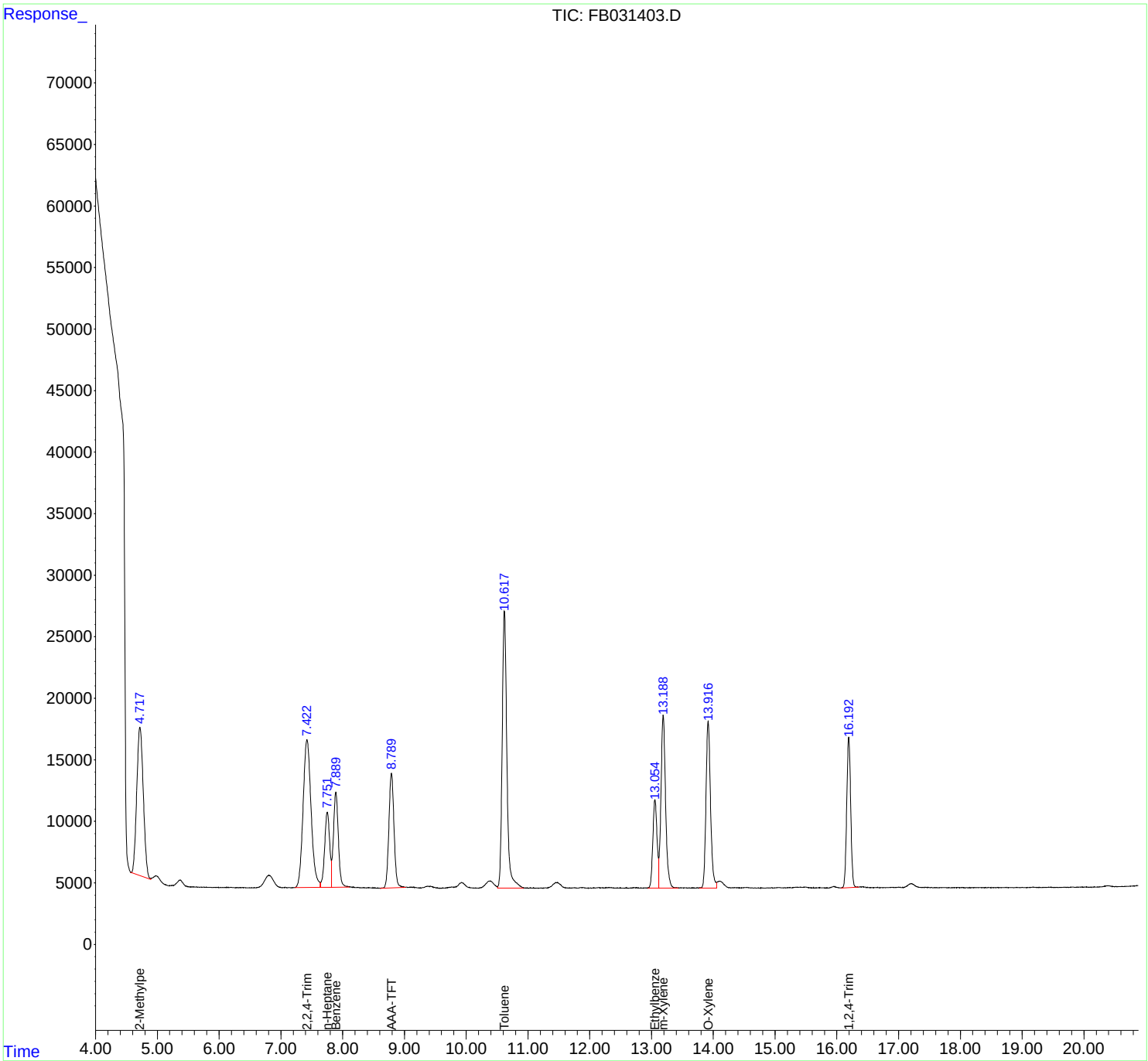
(f)=RT Delta > 1/2 Window (m)=manual int.

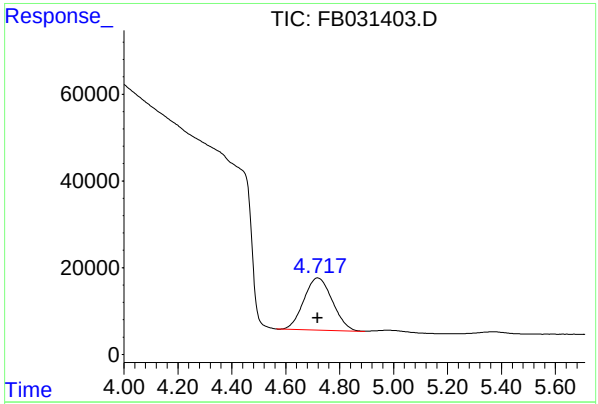
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013025\
Data File : FB031403.D
Signal(s) : FID2B.CH
Acq On : 30 Jan 2025 19:59
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Jan 31 00:56:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

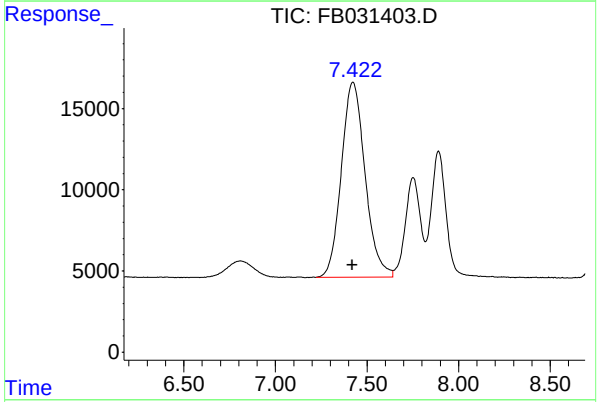




#1 2-Methylpentane

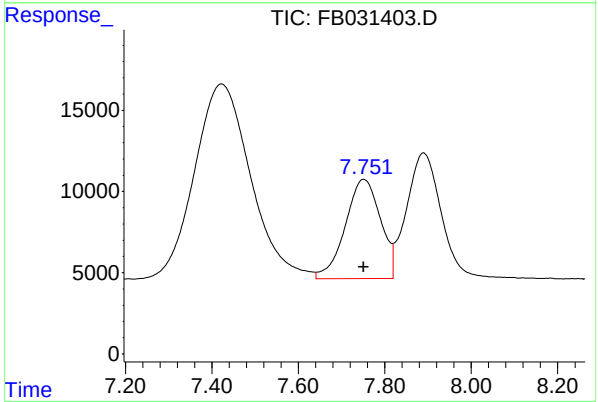
R.T.: 4.718 min
Delta R.T.: 0.000 min
Response: 890209
Conc: 26.86 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



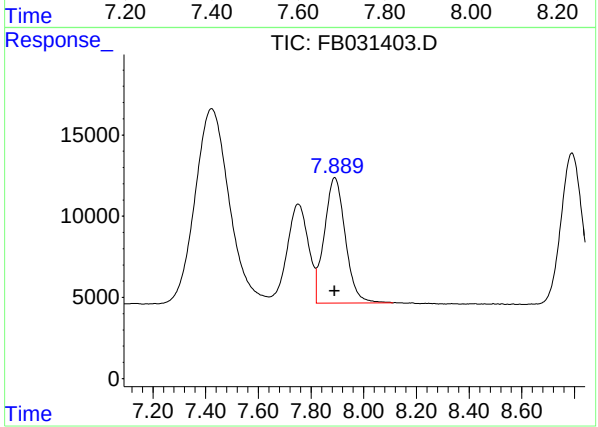
#2 2,2,4-Trimethylpentane

R.T.: 7.423 min
Delta R.T.: 0.003 min
Response: 1081418
Conc: 28.76 ng/ml



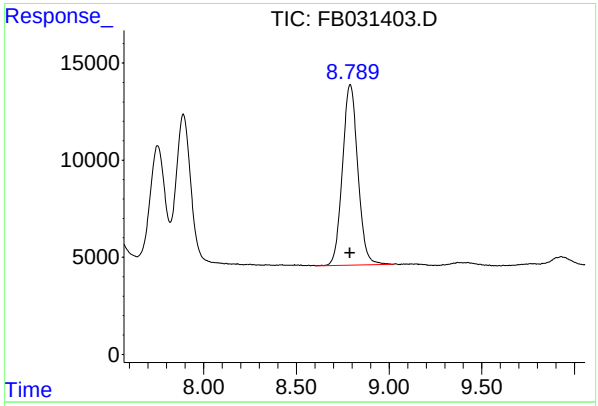
#3 n-Heptane

R.T.: 7.752 min
Delta R.T.: 0.000 min
Response: 346467
Conc: 9.60 ng/ml



#4 Benzene

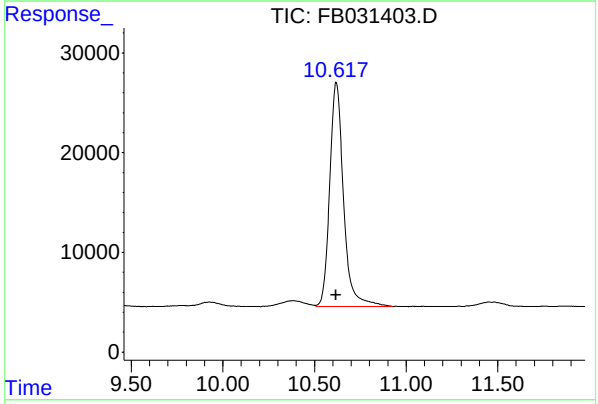
R.T.: 7.890 min
Delta R.T.: 0.000 min
Response: 429074
Conc: 10.07 ng/ml



#5 AAA-TFT

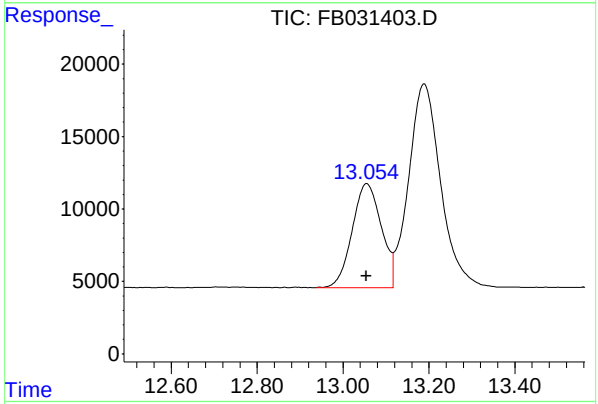
R.T.: 8.790 min
Delta R.T.: 0.000 min
Response: 535177
Conc: 22.44 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



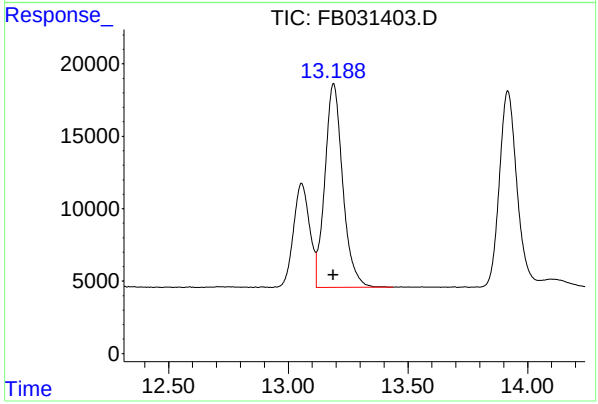
#6 Toluene

R.T.: 10.619 min
Delta R.T.: 0.001 min
Response: 1181001
Conc: 30.25 ng/ml



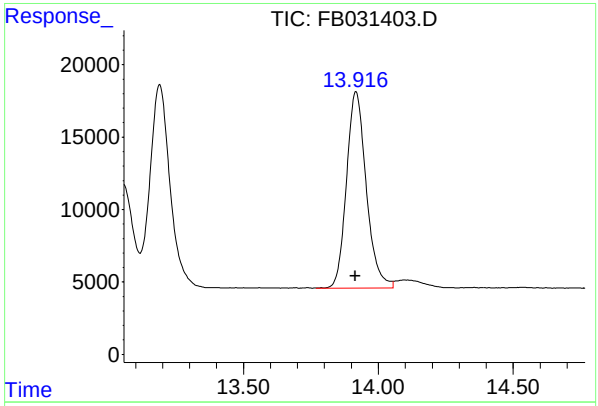
#7 Ethylbenzene

R.T.: 13.056 min
Delta R.T.: 0.001 min
Response: 338136
Conc: 9.76 ng/ml



#8 m-Xylene

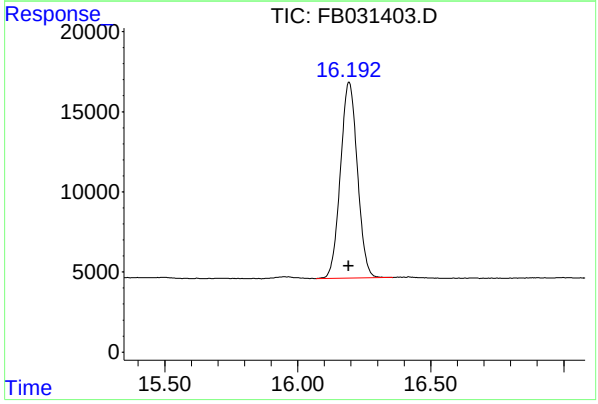
R.T.: 13.189 min
Delta R.T.: 0.001 min
Response: 728348
Conc: 19.49 ng/ml



#9 O-Xylene

R.T.: 13.917 min
Delta R.T.: 0.002 min
Response: 691378
Conc: 19.41 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



#10 1,2,4-Trimethylbenzene

R.T.: 16.193 min
Delta R.T.: 0.001 min
Response: 541953
Conc: 19.14 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013025\
Data File : FB031403.D
Signal(s) : FID2B.CH
Acq On : 30 Jan 2025 19:59
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 24 Sample Multiplier: 1

Integration File: Calibration.e

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

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.718	4.565	4.892	BV	12067	890209	75.38%	13.163%
2	7.423	7.221	7.641	PV	12013	1081418	91.57%	15.990%
3	7.752	7.641	7.820	VV	6112	346467	29.34%	5.123%
4	7.890	7.820	8.112	VV	7738	429074	36.33%	6.344%
5	8.790	8.606	9.021	PV	9297	535177	45.32%	7.913%
6	10.619	10.507	10.928	VV	22488	1181001	100.00%	17.462%
7	13.056	12.937	13.117	BV	7189	338136	28.63%	5.000%
8	13.189	13.117	13.438	VV	14068	728348	61.67%	10.769%
9	13.917	13.770	14.055	BV	13565	691378	58.54%	10.223%
10	16.193	16.069	16.358	PV	12235	541953	45.89%	8.013%

Sum of corrected areas: 6763162

FB011525.M Fri Jan 31 01:24:31 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: RUTW01

ProjectID: NYCDDC SANTWOBR Brooklyn Bridge BBMCR

Lab Code: CHEM Case No.: Q1215 SAS No.: Q1215 SDG No.: Q1215

DataFile: FB031411.D Analyst Name: YP/AJ Analyst Date: 01-31-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	5862983	32572	35852	9.149

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013025\
Data File : FB031411.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 00:26
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Jan 31 00:57:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
5) s	AAA-TFT	8.790	448607	18.807	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.718	793046	23.926	ng/ml
2) t	2,2,4-Trimethylpentane	7.422	1023705	27.221	ng/ml
3) t	n-Heptane	7.751	317857	8.805	ng/ml
4) t	Benzene	7.891	408888	9.601	ng/ml
6) t	Toluene	10.619	1129691	28.932	ng/ml
7) t	Ethylbenzene	13.056	320056	9.243	ng/ml
8) t	m-Xylene	13.190	695336	18.602	ng/ml
9) t	O-Xylene	13.917	662946	18.615	ng/ml
10) t	1,2,4-Trimethylbenzene	16.194	511458	18.059	ng/ml

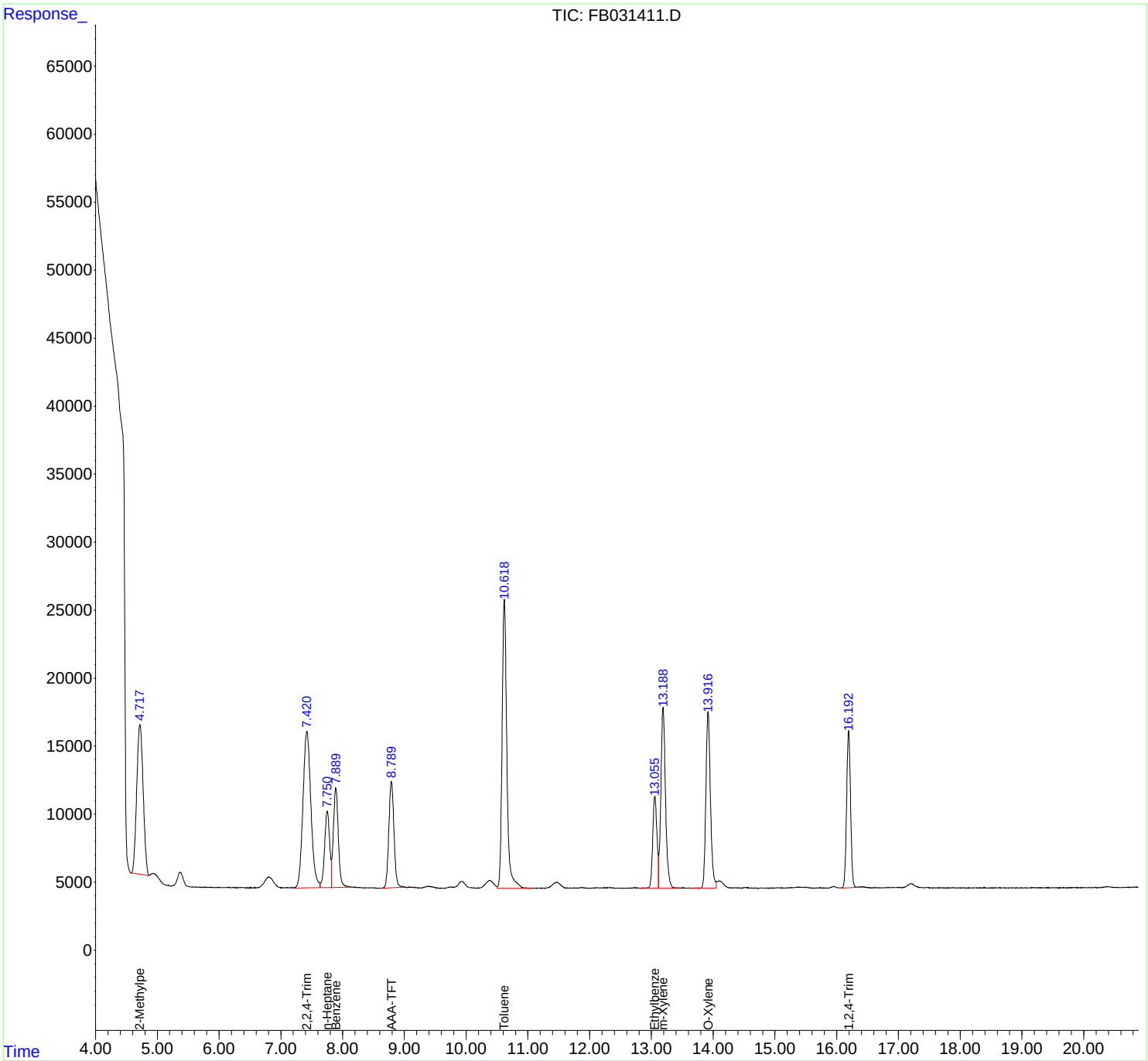
(f)=RT Delta > 1/2 Window (m)=manual int.

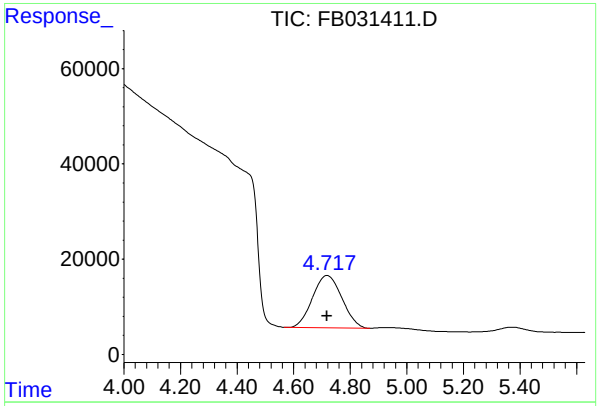
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013025\
Data File : FB031411.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 00:26
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Jan 31 00:57:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

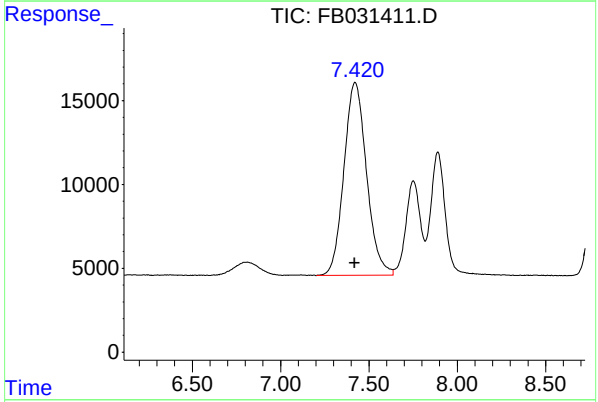




#1 2-Methylpentane

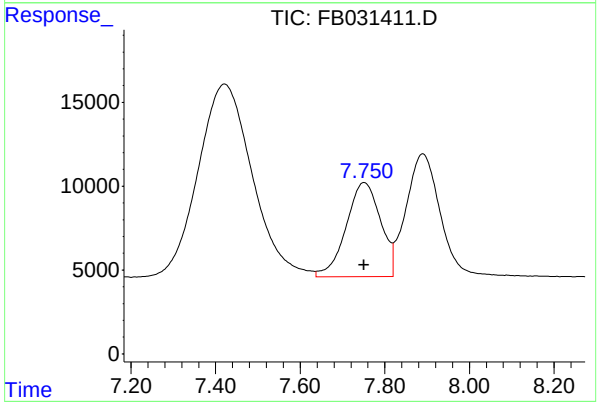
R.T.: 4.718 min
Delta R.T.: 0.000 min
Response: 793046
Conc: 23.93 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



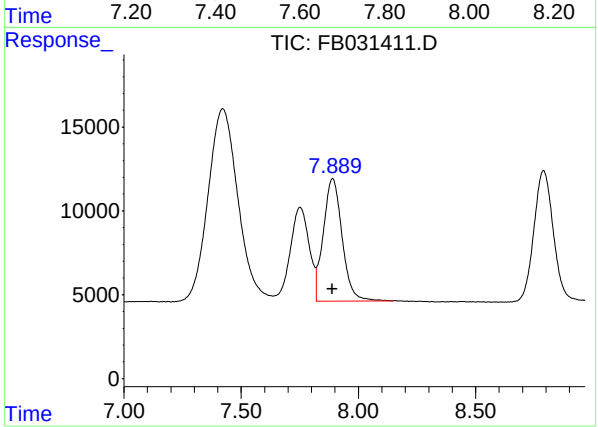
#2 2,2,4-Trimethylpentane

R.T.: 7.422 min
Delta R.T.: 0.002 min
Response: 1023705
Conc: 27.22 ng/ml



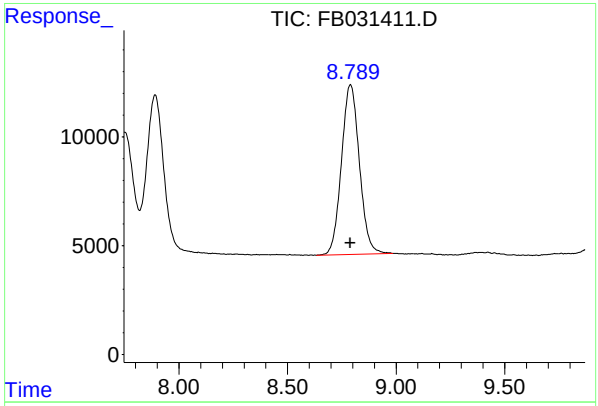
#3 n-Heptane

R.T.: 7.751 min
Delta R.T.: 0.000 min
Response: 317857
Conc: 8.81 ng/ml



#4 Benzene

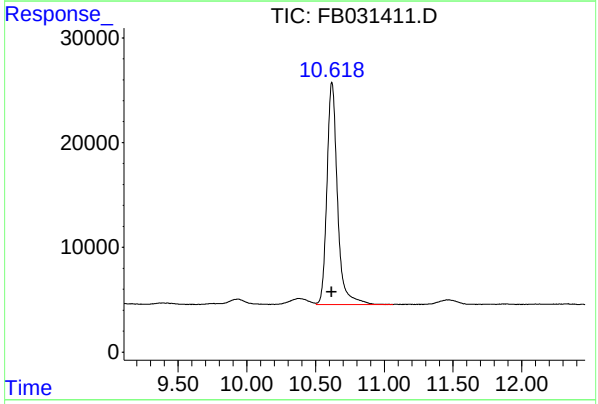
R.T.: 7.891 min
Delta R.T.: 0.000 min
Response: 408888
Conc: 9.60 ng/ml



#5 AAA-TFT

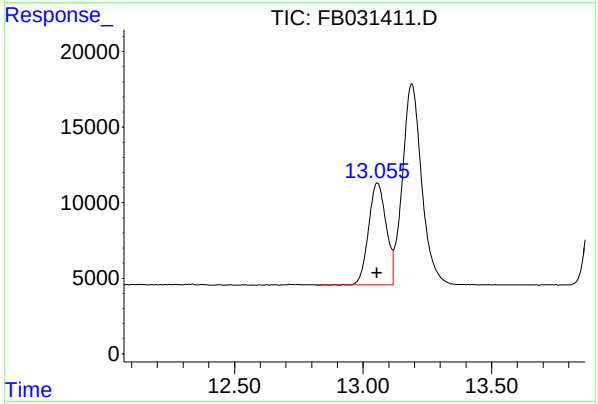
R.T.: 8.790 min
Delta R.T.: 0.000 min
Response: 448607
Conc: 18.81 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



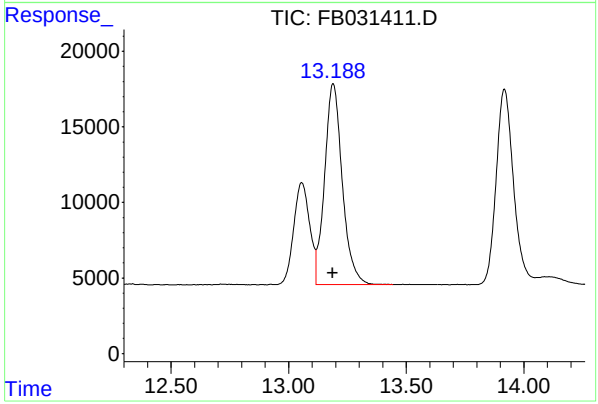
#6 Toluene

R.T.: 10.619 min
Delta R.T.: 0.001 min
Response: 1129691
Conc: 28.93 ng/ml



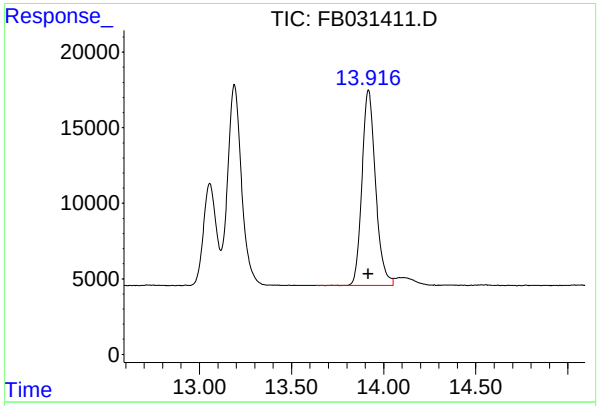
#7 Ethylbenzene

R.T.: 13.056 min
Delta R.T.: 0.002 min
Response: 320056
Conc: 9.24 ng/ml



#8 m-Xylene

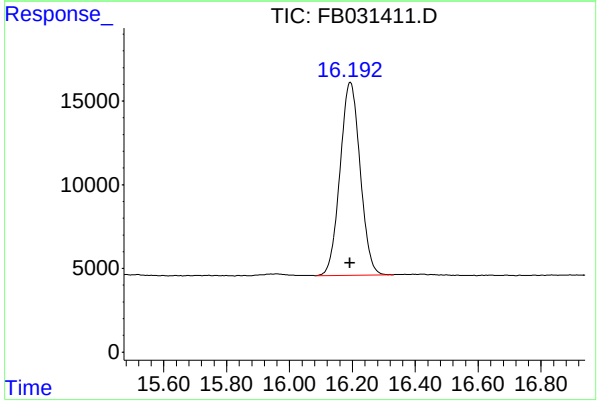
R.T.: 13.190 min
Delta R.T.: 0.002 min
Response: 695336
Conc: 18.60 ng/ml



#9 O-Xylene

R.T.: 13.917 min
Delta R.T.: 0.002 mi
Response: 662946
Conc: 18.62 ng/m

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



#10 1,2,4-Trimethylbenzene

R.T.: 16.194 min
Delta R.T.: 0.002 min
Response: 511458
Conc: 18.06 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013025\
Data File : FB031411.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 00:26
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 34 Sample Multiplier: 1

Integration File: Calibration.e

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

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.718	4.565	4.870	BV	11010	793046	70.20%	12.565%
2	7.422	7.201	7.637	PV	11519	1023705	90.62%	16.219%
3	7.751	7.637	7.820	VV	5613	317857	28.14%	5.036%
4	7.891	7.820	8.148	VV	7323	408888	36.19%	6.478%
5	8.790	8.632	8.986	PV	7812	448607	39.71%	7.108%
6	10.619	10.505	11.064	VV	21221	1129691	100.00%	17.899%
7	13.056	12.818	13.117	BV	6757	320056	28.33%	5.071%
8	13.190	13.117	13.444	VV	13310	695336	61.55%	11.017%
9	13.917	13.633	14.051	BV	12944	662946	58.68%	10.504%
10	16.194	16.085	16.330	BV	11535	511458	45.27%	8.103%

Sum of corrected areas: 6311592

FB011525.M Fri Jan 31 01:25:31 2025

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

Analytical Sequence

Client: RU2 Engineering, LLC **SDG No.:** Q1215

Project: NYCDDC SANTWOBR Brooklyn Bridge BBMCR **Instrument ID:** FID_B

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

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

MEAN SUROGATE RT FROM INITIAL CALIBRATION **8.7886**

EPA SAMPLE NO.	LAB SAMPLE ID	DATE AND TIME ANALYZED	DATAFILE	RT	#
20 PPB GRO STD	20 PPB GRO STD	30 Jan 2025 9:08	FB031381.D	8.784	
VBF0130S2	VBF0130S2	30 Jan 2025 10:13	FB031383.D	8.790	
BSF0130S1	BSF0130S1	30 Jan 2025 10:40	FB031384.D	8.790	
20 PPB GRO STD	20 PPB GRO STD	30 Jan 2025 14:40	FB031392.D	8.790	
JPP-26.2-012825MS	Q1216-17MS	30 Jan 2025 19:06	FB031401.D	8.788	
JPP-26.2-012825MSD	Q1216-17MSD	30 Jan 2025 19:32	FB031402.D	8.790	
20 PPB GRO STD	20 PPB GRO STD	30 Jan 2025 19:59	FB031403.D	8.790	
JPP-29.1-012825	Q1215-01	30 Jan 2025 23:06	FB031408.D	8.789	
JPP-29.2-012825	Q1215-05	30 Jan 2025 23:33	FB031409.D	8.637	*
20 PPB GRO STD	20 PPB GRO STD	31 Jan 2025 00:26	FB031411.D	8.790	

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

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

QC SAMPLE DATA

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Fax : 908 789 8922

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	VBF0130S2	SDG No.:	Q1215
Lab Sample ID:	VBF0130S2	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	100 Decanted:
Sample Wt/Vol:	5 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031383.D	50	01/30/25 10:13	FB013025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	2250	U	386	2250	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	18.6		50 - 150	93%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013025\
Data File : FB031383.D
Signal(s) : FID2B.CH
Acq On : 30 Jan 2025 10:13
Operator : YP/AJ
Sample : VBF0130S2 50X
Misc : 5.00G/5.00 ML MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0130S2

Integration File: Calibration.e
Quant Time: Jan 31 00:55:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
5) s AAA-TFT	8.790	443897	18.610 ng/ml
Target Compounds			

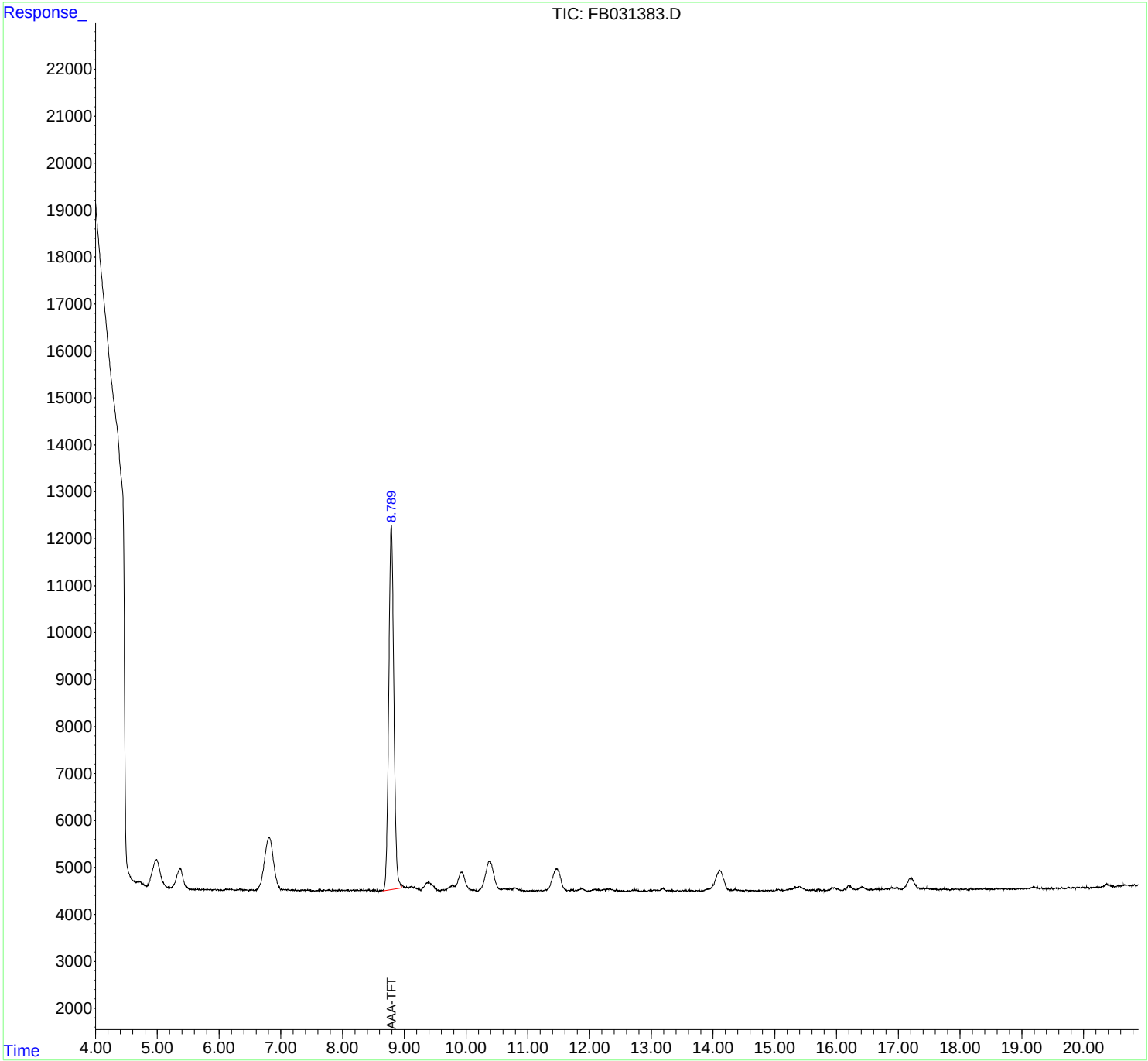
(f)=RT Delta > 1/2 Window (m)=manual int.

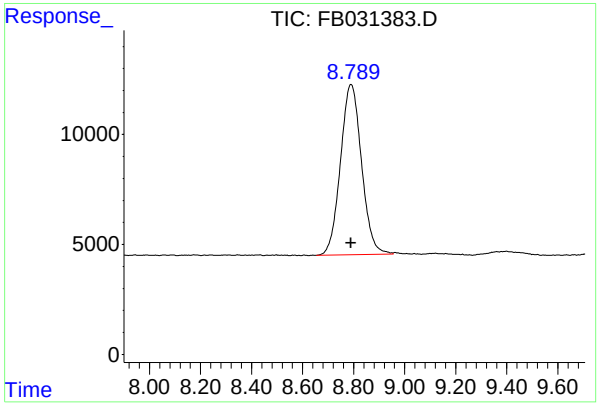
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013025\
Data File : FB031383.D
Signal(s) : FID2B.CH
Acq On : 30 Jan 2025 10:13
Operator : YP/AJ
Sample : VBF0130S2 50X
Misc : 5.00G/5.00 ML MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0130S2

Integration File: Calibration.e
Quant Time: Jan 31 00:55:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#5 AAA-TFT

R.T.: 8.790 min
Delta R.T.: 0.000 mi
Response: 443897
Conc: 18.61 ng/m

Instrument :
FID_B
ClientSampleId :
VBF0130S2

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013025\
Data File : FB031383.D
Signal(s) : FID2B.CH
Acq On : 30 Jan 2025 10:13
Sample : VBF0130S2 50X
Misc : 5.00G/5.00 ML MEOH
ALS Vial : 3 Sample Multiplier: 1

Integration File: Calibration.e

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

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	8.790	8.653	8.955	VV	7747	443897	100.00%	100.000%
			Sum of corrected areas:			443897		

FB011525.M Fri Jan 31 01:22:36 2025

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	BSF0130S1	SDG No.:	Q1215
Lab Sample ID:	BSF0130S1	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	100 Decanted:
Sample Wt/Vol:	5 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031384.D	1	01/30/25 10:40	FB013025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	180		8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	17.1		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\FB013025\
Data File : FB031384.D
Signal(s) : FID2B.CH
Acq On : 30 Jan 2025 10:40
Operator : YP/AJ
Sample : BSF0130S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0130S1

Integration File: Calibration.e
Quant Time: Jan 31 00:55:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
5) s	AAA-TFT	8.790	407697	17.092	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.719	928120	28.001	ng/ml
2) t	2,2,4-Trimethylpentane	7.422	1129566	30.036	ng/ml
3) t	n-Heptane	7.751	358456	9.930	ng/ml
4) t	Benzene	7.890	444792	10.444	ng/ml
6) t	Toluene	10.618	1227157	31.428	ng/ml
7) t	Ethylbenzene	13.056	351333	10.146	ng/ml
8) t	m-Xylene	13.189	759595	20.321	ng/ml
9) t	O-Xylene	13.917	712348	20.002	ng/ml
10) t	1,2,4-Trimethylbenzene	16.193	559283	19.748	ng/ml

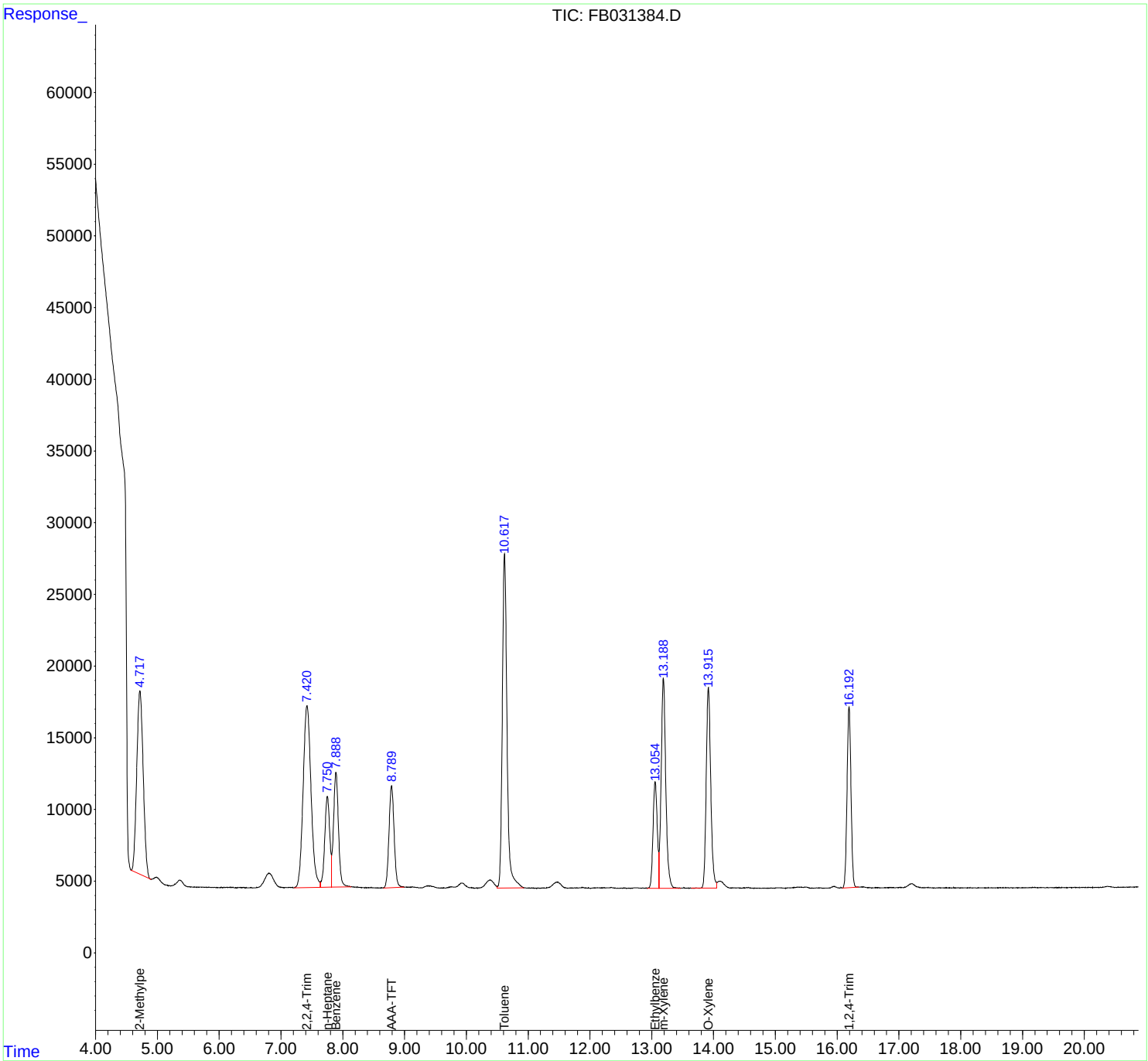
(f)=RT Delta > 1/2 Window (m)=manual int.

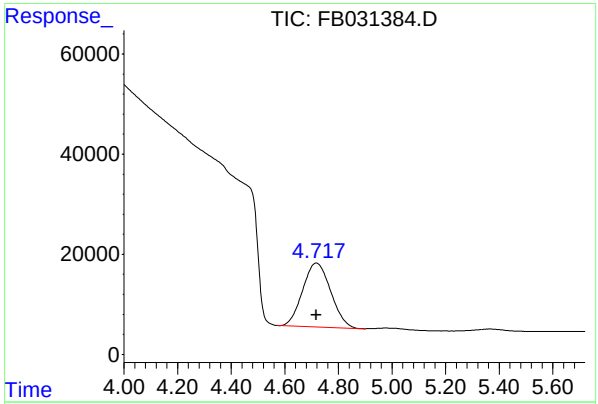
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013025\
Data File : FB031384.D
Signal(s) : FID2B.CH
Acq On : 30 Jan 2025 10:40
Operator : YP/AJ
Sample : BSF0130S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0130S1

Integration File: Calibration.e
Quant Time: Jan 31 00:55:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

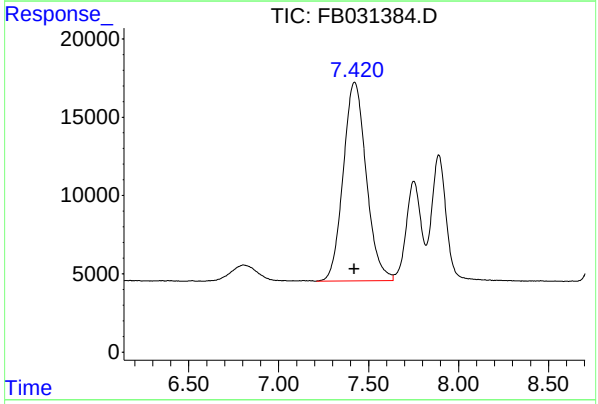




#1 2-Methylpentane

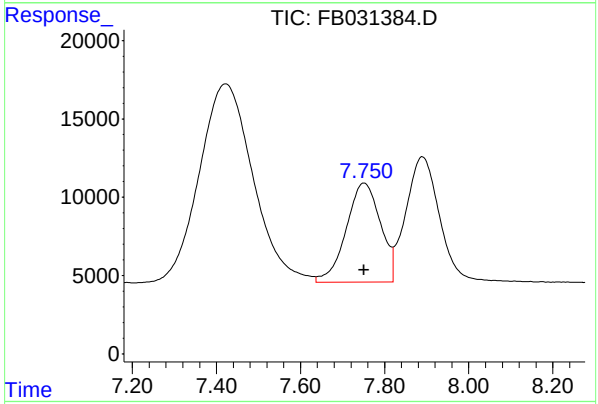
R.T.: 4.719 min
Delta R.T.: 0.000 min
Response: 928120
Conc: 28.00 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0130S1



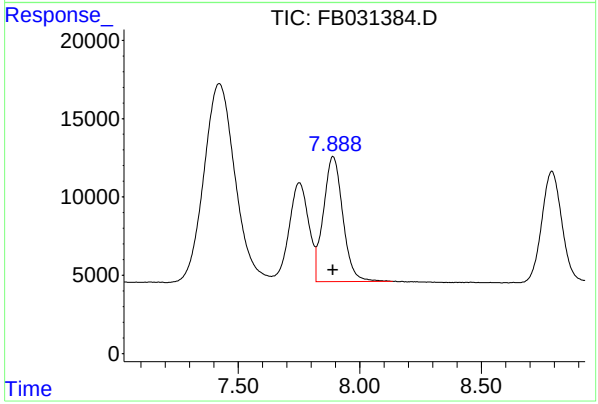
#2 2,2,4-Trimethylpentane

R.T.: 7.422 min
Delta R.T.: 0.002 min
Response: 1129566
Conc: 30.04 ng/ml



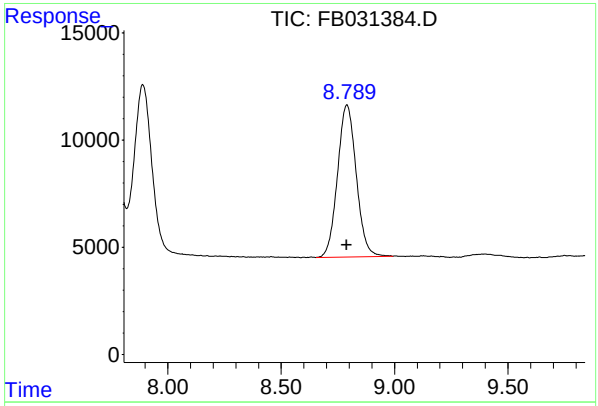
#3 n-Heptane

R.T.: 7.751 min
Delta R.T.: 0.000 min
Response: 358456
Conc: 9.93 ng/ml



#4 Benzene

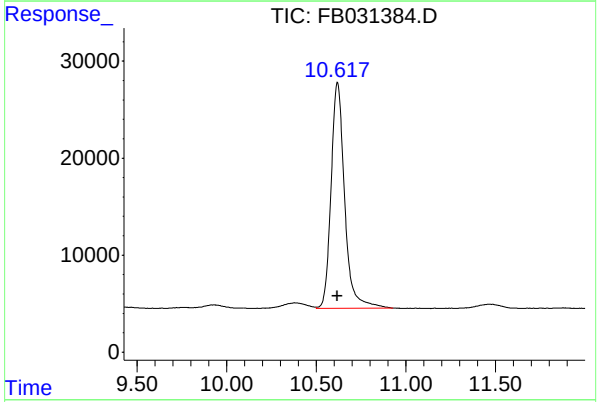
R.T.: 7.890 min
Delta R.T.: 0.000 min
Response: 444792
Conc: 10.44 ng/ml



#5 AAA-TFT

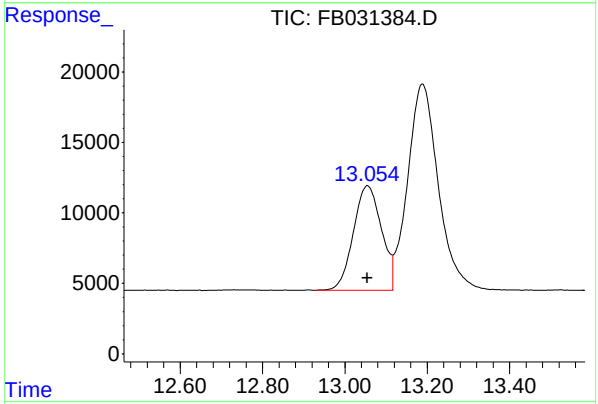
R.T.: 8.790 min
Delta R.T.: 0.000 min
Response: 407697
Conc: 17.09 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0130S1



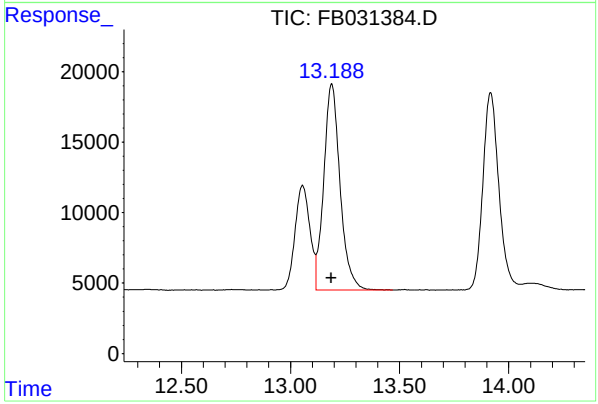
#6 Toluene

R.T.: 10.618 min
Delta R.T.: 0.000 min
Response: 1227157
Conc: 31.43 ng/ml



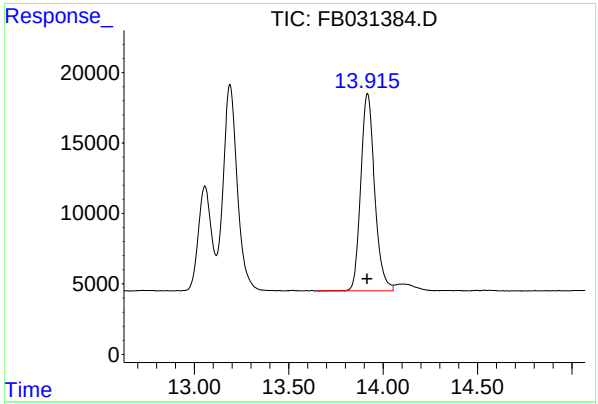
#7 Ethylbenzene

R.T.: 13.056 min
Delta R.T.: 0.001 min
Response: 351333
Conc: 10.15 ng/ml



#8 m-Xylene

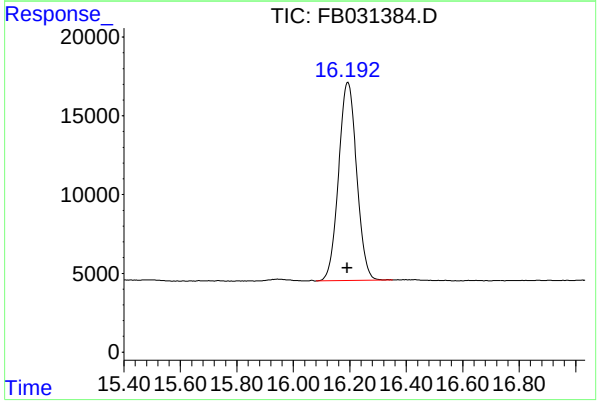
R.T.: 13.189 min
Delta R.T.: 0.000 min
Response: 759595
Conc: 20.32 ng/ml



#9 O-Xylene

R.T.: 13.917 min
Delta R.T.: 0.002 mi
Response: 712348
Conc: 20.00 ng/m

Instrument :
FID_B
ClientSampleId :
BSF0130S1



#10 1,2,4-Trimethylbenzene

R.T.: 16.193 min
Delta R.T.: 0.001 min
Response: 559283
Conc: 19.75 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013025\
Data File : FB031384.D
Signal(s) : FID2B.CH
Acq On : 30 Jan 2025 10:40
Sample : BSF0130S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

Integration File: Calibration.e

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

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.719	4.571	4.900	BV	12779	928120	75.63%	13.493%
2	7.422	7.209	7.637	BV	12691	1129566	92.05%	16.422%
3	7.751	7.637	7.820	VV	6335	358456	29.21%	5.211%
4	7.890	7.820	8.136	VV	8001	444792	36.25%	6.467%
5	8.790	8.654	8.994	PV	7106	407697	33.22%	5.927%
6	10.618	10.499	10.929	VV	23306	1227157	100.00%	17.841%
7	13.056	12.929	13.116	PV	7432	351333	28.63%	5.108%
8	13.189	13.116	13.469	VV	14641	759595	61.90%	11.043%
9	13.917	13.644	14.052	BV	13999	712348	58.05%	10.356%
10	16.193	16.080	16.352	PV	12597	559283	45.58%	8.131%

Sum of corrected areas: 6878348

FB011525.M Fri Jan 31 01:22:54 2025

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/28/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/29/25
Client Sample ID:	JPP-26.2-012825MS	SDG No.:	Q1215
Lab Sample ID:	Q1216-17MS	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	85.3 Decanted:
Sample Wt/Vol:	5 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031401.D	50	01/30/25 19:06	FB013025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	10200		453	2640	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	18.9		50 - 150	95%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013025\
Data File : FB031401.D
Signal(s) : FID2B.CH
Acq On : 30 Jan 2025 19:06
Operator : YP/AJ
Sample : Q1216-17MS 50X
Misc : 5.00G/5.00 ML MEOH
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
JPP-26.2-012825MS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025

Integration File: Calibration.e
Quant Time: Jan 31 00:56:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
5) s	AAA-TFT	8.787	451119	18.913	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.708	1063743	32.093	ng/mlm
2) t	2,2,4-Trimethylpentane	7.418	1110329	29.524	ng/ml
3) t	n-Heptane	7.749	345894	9.582	ng/ml
4) t	Benzene	7.888	440882	10.352	ng/ml
6) t	Toluene	10.619	1180659	30.237	ng/ml
7) t	Ethylbenzene	13.057	329885	9.526	ng/ml
8) t	m-Xylene	13.190	715144	19.132	ng/ml
9) t	O-Xylene	13.920	655558	18.408	ng/ml
10) t	1,2,4-Trimethylbenzene	16.195	475673	16.796	ng/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013025\
Data File : FB031401.D
Signal(s) : FID2B.CH
Acq On : 30 Jan 2025 19:06
Operator : YP/AJ
Sample : Q1216-17MS 50X
Misc : 5.00G/5.00 ML MEOH
ALS Vial : 22 Sample Multiplier: 1

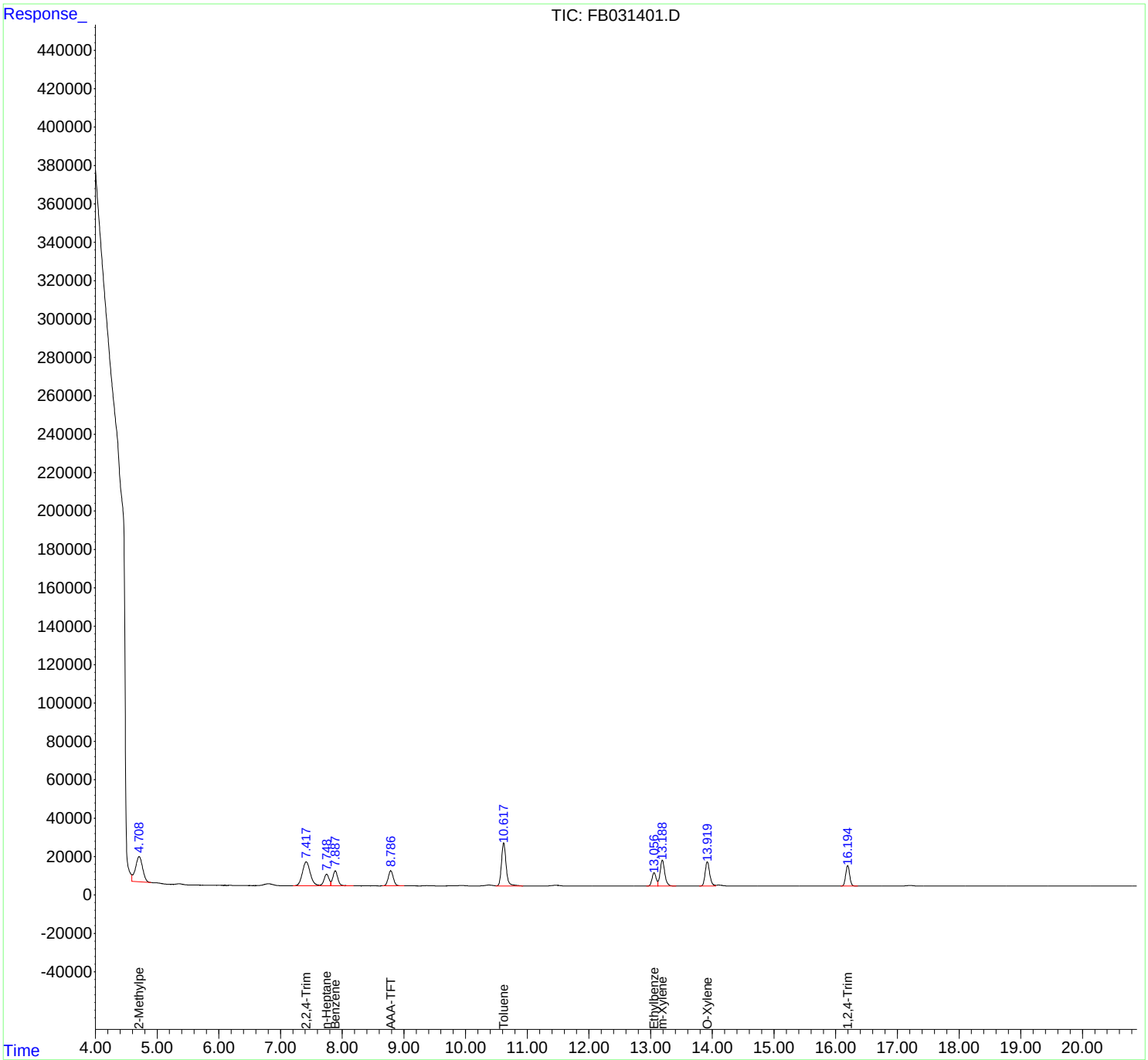
Integration File: Calibration.e
Quant Time: Jan 31 00:56:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

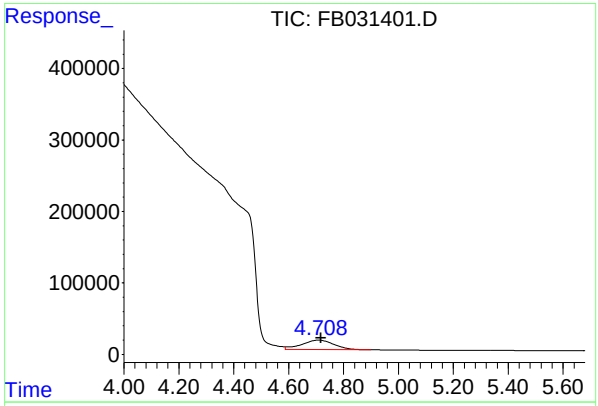
Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um

Instrument :
FID_B
ClientSampleId :
JPP-26.2-012825MS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025





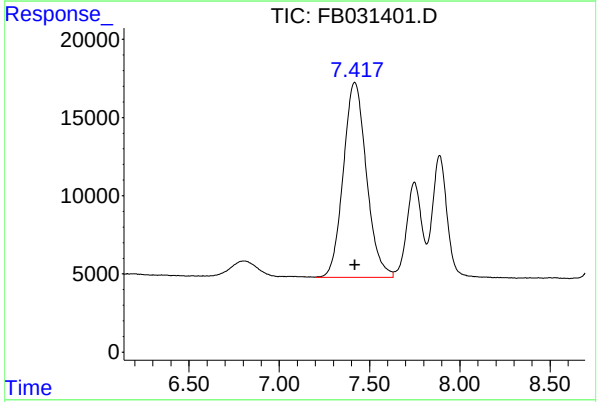
#1 2-Methylpentane

R.T.: 4.708 min
Delta R.T.: -0.010 min
Response: 1063743
Conc: 32.09 ng/ml

Instrument :
FID_B
ClientSampleId :
JPP-26.2-012825MS

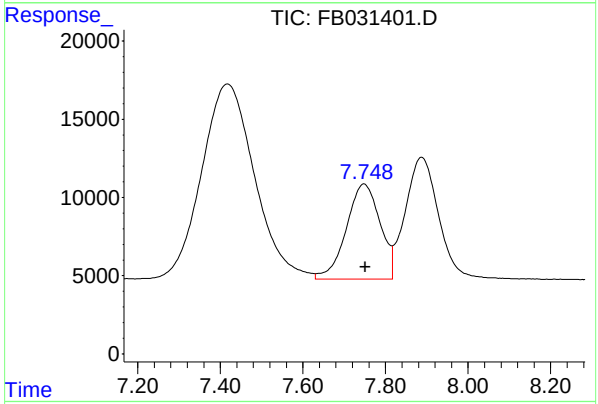
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025



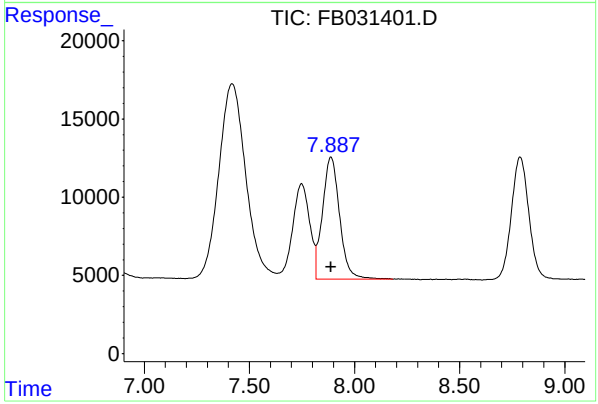
#2 2,2,4-Trimethylpentane

R.T.: 7.418 min
Delta R.T.: -0.001 min
Response: 1110329
Conc: 29.52 ng/ml



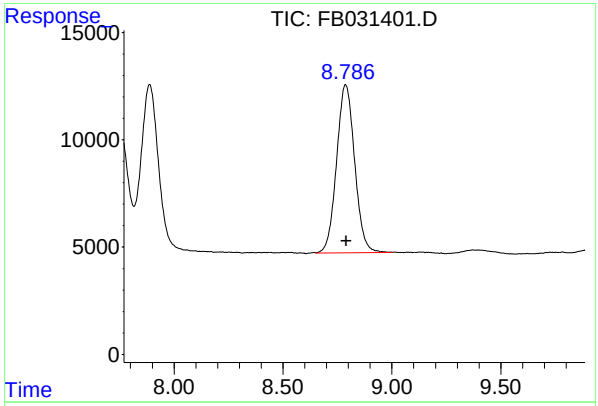
#3 n-Heptane

R.T.: 7.749 min
Delta R.T.: -0.002 min
Response: 345894
Conc: 9.58 ng/ml



#4 Benzene

R.T.: 7.888 min
Delta R.T.: -0.001 min
Response: 440882
Conc: 10.35 ng/ml



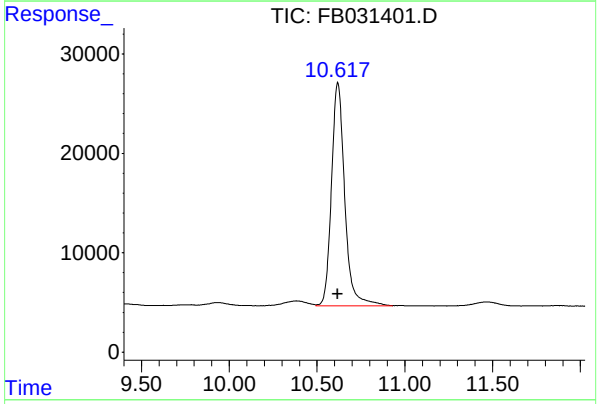
#5 AAA-TFT

R.T.: 8.787 min
Delta R.T.: -0.002 min
Response: 451119
Conc: 18.91 ng/ml

Instrument :
FID_B
ClientSampleId :
JPP-26.2-012825MS

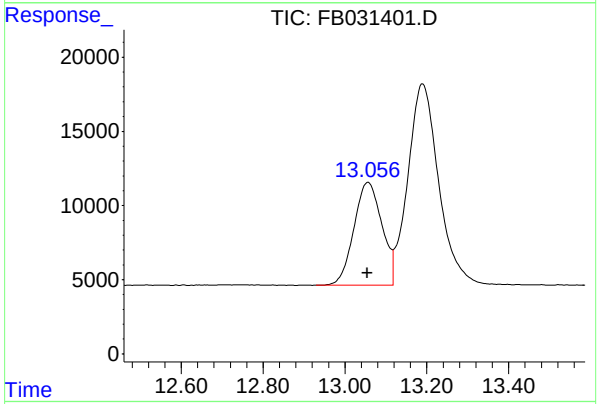
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025



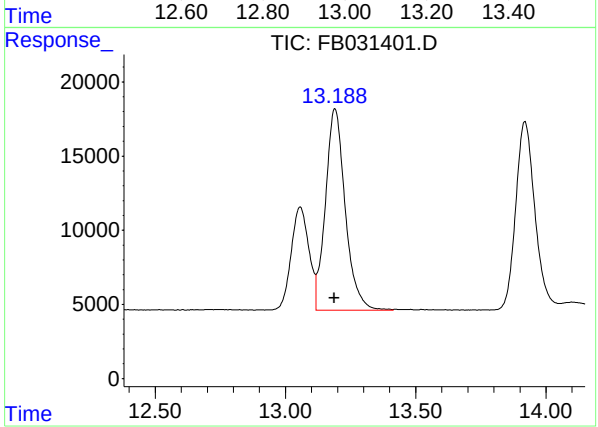
#6 Toluene

R.T.: 10.619 min
Delta R.T.: 0.000 min
Response: 1180659
Conc: 30.24 ng/ml



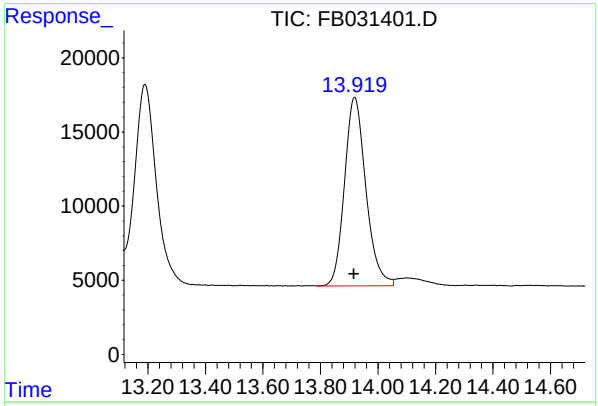
#7 Ethylbenzene

R.T.: 13.057 min
Delta R.T.: 0.003 min
Response: 329885
Conc: 9.53 ng/ml



#8 m-Xylene

R.T.: 13.190 min
Delta R.T.: 0.002 min
Response: 715144
Conc: 19.13 ng/ml



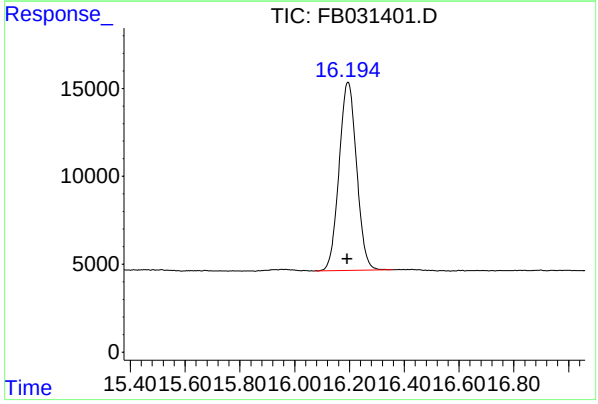
#9 O-Xylene

R.T.: 13.920 min
Delta R.T.: 0.004 min
Response: 655558
Conc: 18.41 ng/ml

Instrument :
FID_B
ClientSampleId :
JPP-26.2-012825MS

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025



#10 1,2,4-Trimethylbenzene

R.T.: 16.195 min
Delta R.T.: 0.003 min
Response: 475673
Conc: 16.80 ng/ml

Instrument :
FID_B
ClientSampleId :
JPP-26.2-012825MS

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB01302
Data File : FB031401.D
Signal(s) : FID2B.CH
Acq On : 30 Jan 2025 19:06
Sample : Q1216-17MS 50X
Misc : 5.00G/5.00 ML MEOH
ALS Vial : 22 Sample Multiplier: 1

Integration File: SAMPLE.e

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

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.709	4.571	4.963	BV	10555	639923	54.00%	9.586%
2	5.235	5.230	5.258	PV	13	270	0.02%	0.004%
3	5.585	5.573	5.620	PV	28	242	0.02%	0.004%
4	5.635	5.620	5.659	PV	25	306	0.03%	0.005%
5	5.667	5.659	5.676	VV	13	112	0.01%	0.002%
6	5.684	5.676	5.718	VV	27	343	0.03%	0.005%
7	5.737	5.718	5.771	VV	33	554	0.05%	0.008%
8	5.780	5.771	5.820	VV	24	378	0.03%	0.006%
9	5.831	5.820	5.841	VV	16	132	0.01%	0.002%
10	5.851	5.841	5.895	VV	18	365	0.03%	0.005%
11	5.903	5.895	5.911	PV	21	129	0.01%	0.002%
12	5.920	5.911	5.935	VV	26	227	0.02%	0.003%
13	5.948	5.935	5.964	VV	24	249	0.02%	0.004%
14	5.975	5.964	5.995	PV	31	351	0.03%	0.005%
15	6.007	5.995	6.024	VV	36	427	0.04%	0.006%
16	6.031	6.024	6.040	VV	30	234	0.02%	0.004%
17	6.049	6.040	6.080	VV	31	604	0.05%	0.009%
18	6.102	6.080	6.129	VV	47	1055	0.09%	0.016%
19	6.139	6.129	6.149	VV	55	496	0.04%	0.007%
20	6.163	6.149	6.171	VV	77	807	0.07%	0.012%
21	6.192	6.171	6.202	VV	72	1231	0.10%	0.018%
22	6.207	6.202	6.255	VV	70	1612	0.14%	0.024%
23	6.267	6.255	6.291	VV	38	591	0.05%	0.009%
24	6.300	6.291	6.311	VV	32	299	0.03%	0.004%
25	6.318	6.311	6.328	VV	30	252	0.02%	0.004%
26	6.346	6.328	6.355	VV	40	507	0.04%	0.008%
27	6.365	6.355	6.405	VV	41	829	0.07%	0.012%
28	6.412	6.405	6.431	VV	24	314	0.03%	0.005%
29	6.441	6.431	6.451	VV	25	208	0.02%	0.003%
30	6.466	6.451	6.492	VV	27	343	0.03%	0.005%
31	6.517	6.492	6.541	PV	24	437	0.04%	0.007%
32	6.553	6.541	6.563	VV	27	204	0.02%	0.003%
33	6.579	6.563	6.591	VV	24	307	0.03%	0.005%
34	6.600	6.591	6.610	VV	35	263	0.02%	0.004%
35	7.030	7.004	7.039	VV	36	607	0.05%	0.009%
36	7.049	7.039	7.112	VV	41	1435	0.12%	0.022%

Instrument :
FID_B
ClientSampleId :
JPP-26.2-012825MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025

rteres

37	7.117	7.112	7.136	VV	29	339	0.03%	0.005%
38	7.143	7.136	7.156	VV	36	228		
39	7.176	7.156	7.195	VV	24	303		
40	7.418	7.195	7.631	PV	12489	1112557	93	
41	7.748	7.631	7.817	VV	6119	347770	29	
42	7.888	7.817	8.186	VV	7838	447441	37	
43	8.224	8.186	8.317	VV	51	2848	0.24%	0.043%
44	8.361	8.317	8.409	VV	42	1554	0.13%	0.023%
45	8.437	8.409	8.462	VV	47	1108	0.09%	0.017%
46	8.499	8.462	8.513	VV	50	1111	0.09%	0.017%
47	8.526	8.513	8.608	VV	54	1768	0.15%	0.026%
48	8.788	8.608	9.055	PV	7884	464319	39.18%	6.956%
49	9.073	9.055	9.097	VV	72	1735	0.15%	0.026%
50	9.131	9.097	9.245	VV	85	5097	0.43%	0.076%
51	9.372	9.245	9.567	VV	191	18212	1.54%	0.273%
52	9.624	9.567	9.648	VV	34	742	0.06%	0.011%
53	9.727	9.648	9.765	VV	95	4138	0.35%	0.062%
54	9.783	9.765	9.812	VV	103	2291	0.19%	0.034%
55	9.934	9.812	10.164	VV	313	27114	2.29%	0.406%
56	10.383	10.164	10.496	VV	501	45877	3.87%	0.687%
57	10.618	10.496	10.933	VV	22501	1185036	100.00%	17.752%
58	10.948	10.933	10.958	VV	39	531	0.04%	0.008%
59	10.976	10.958	11.047	VV	45	1537	0.13%	0.023%
60	11.057	11.047	11.084	VV	21	360	0.03%	0.005%
61	11.098	11.084	11.131	VV	20	326	0.03%	0.005%
62	11.146	11.131	11.167	VV	14	231	0.02%	0.003%
63	11.181	11.167	11.242	VV	20	593	0.05%	0.009%
64	11.474	11.242	11.664	VV	423	41033	3.46%	0.615%
65	11.759	11.664	11.786	VV	42	2119	0.18%	0.032%
66	11.865	11.786	11.955	VV	77	4382	0.37%	0.066%
67	11.985	11.955	12.021	VV	40	800	0.07%	0.012%
68	12.114	12.021	12.137	VV	56	2388	0.20%	0.036%
69	12.154	12.137	12.174	VV	56	814	0.07%	0.012%
70	12.218	12.174	12.272	VV	51	2202	0.19%	0.033%
71	12.309	12.272	12.328	VV	68	1777	0.15%	0.027%
72	12.339	12.328	12.464	VV	72	2641	0.22%	0.040%
73	12.515	12.464	12.530	VV	39	882	0.07%	0.013%
74	12.550	12.530	12.578	VV	29	635	0.05%	0.010%
75	12.607	12.578	12.621	PV	42	573	0.05%	0.009%
76	12.661	12.621	12.681	VV	35	1048	0.09%	0.016%
77	12.738	12.681	12.812	VV	50	3085	0.26%	0.046%
78	12.822	12.812	12.859	VV	38	685	0.06%	0.010%
79	12.866	12.859	12.898	VV	24	460	0.04%	0.007%
80	12.910	12.898	12.924	VV	33	384	0.03%	0.006%
81	13.057	12.924	13.117	VV	6962	331765	28.00%	4.970%
82	13.190	13.117	13.463	VV	13601	719734	60.74%	10.782%
83	13.481	13.463	13.501	VV	59	1044	0.09%	0.016%
84	13.522	13.501	13.638	VV	66	2700	0.23%	0.040%
85	13.653	13.638	13.696	VV	29	766	0.06%	0.011%
86	13.721	13.696	13.786	VV	28	1163	0.10%	0.017%
87	13.919	13.786	14.053	VV	12727	658644	55.58%	9.867%
88	14.101	14.053	14.272	VV	556	42246	3.56%	0.633%
89	14.302	14.272	14.322	VV	62	1529	0.13%	0.023%

Instrument :
FID_B
ClientSampleId :
JPP-26.2-012825MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025

					rteres			
90	14.343	14.322	14.359	VV	72	1262	0.11%	0.019%
91	14.373	14.359	14.396	VV	59	1132		
92	14.404	14.396	14.465	VV	62	1646		
93	14.485	14.465	14.497	VV	49	681		
94	14.530	14.497	14.686	VV	59	3673		
95	14.748	14.686	14.791	VV	28	820		
96	14.816	14.791	14.923	VV	30	1444	0.12%	0.022%
97	14.939	14.923	14.978	VV	35	609	0.05%	0.009%
98	15.047	14.978	15.165	VV	99	5720	0.48%	0.086%
99	15.223	15.165	15.261	VV	49	2122	0.18%	0.032%
100	15.378	15.261	15.428	VV	82	6222	0.53%	0.093%
101	15.454	15.428	15.495	VV	89	3127	0.26%	0.047%
102	15.512	15.495	15.591	VV	86	3004	0.25%	0.045%
103	15.676	15.591	15.712	VV	44	1954	0.16%	0.029%
104	15.737	15.712	15.760	VV	25	537	0.05%	0.008%
105	15.774	15.760	15.807	VV	29	545	0.05%	0.008%
106	15.820	15.807	15.856	VV	23	494	0.04%	0.007%
107	15.965	15.856	16.088	PV	105	6820	0.58%	0.102%
108	16.195	16.088	16.358	PV	10713	476254	40.19%	7.135%
			Sum of corrected areas:			6675371		

FB011525.M Fri Jan 31 01:27:08 2025

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/28/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/29/25
Client Sample ID:	JPP-26.2-012825MSD	SDG No.:	Q1215
Lab Sample ID:	Q1216-17MSD	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	85.3 Decanted:
Sample Wt/Vol:	5.06 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031402.D	50	01/30/25 19:32	FB013025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	7920		447	2610	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	16.1		50 - 150	81%	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\FB013025\
Data File : FB031402.D
Signal(s) : FID2B.CH
Acq On : 30 Jan 2025 19:32
Operator : YP/AJ
Sample : Q1216-17MSD 50X
Misc : 5.06G/5.00 ML MEOH
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
JPP-26.2-012825MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025

Integration File: Calibration.e
Quant Time: Jan 31 00:56:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
5) s	AAA-TFT	8.790	384660	16.126	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.708	881007	26.580	ng/mlm
2) t	2,2,4-Trimethylpentane	7.420	918864	24.433	ng/ml
3) t	n-Heptane	7.751	287986	7.978	ng/ml
4) t	Benzene	7.889	357230	8.388	ng/ml
6) t	Toluene	10.619	964823	24.710	ng/ml
7) t	Ethylbenzene	13.058	272150	7.859	ng/ml
8) t	m-Xylene	13.192	589462	15.770	ng/ml
9) t	O-Xylene	13.920	543413	15.259	ng/ml
10) t	1,2,4-Trimethylbenzene	16.196	400668	14.147	ng/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013025\
Data File : FB031402.D
Signal(s) : FID2B.CH
Acq On : 30 Jan 2025 19:32
Operator : YP/AJ
Sample : Q1216-17MSD 50X
Misc : 5.06G/5.00 ML MEOH
ALS Vial : 23 Sample Multiplier: 1

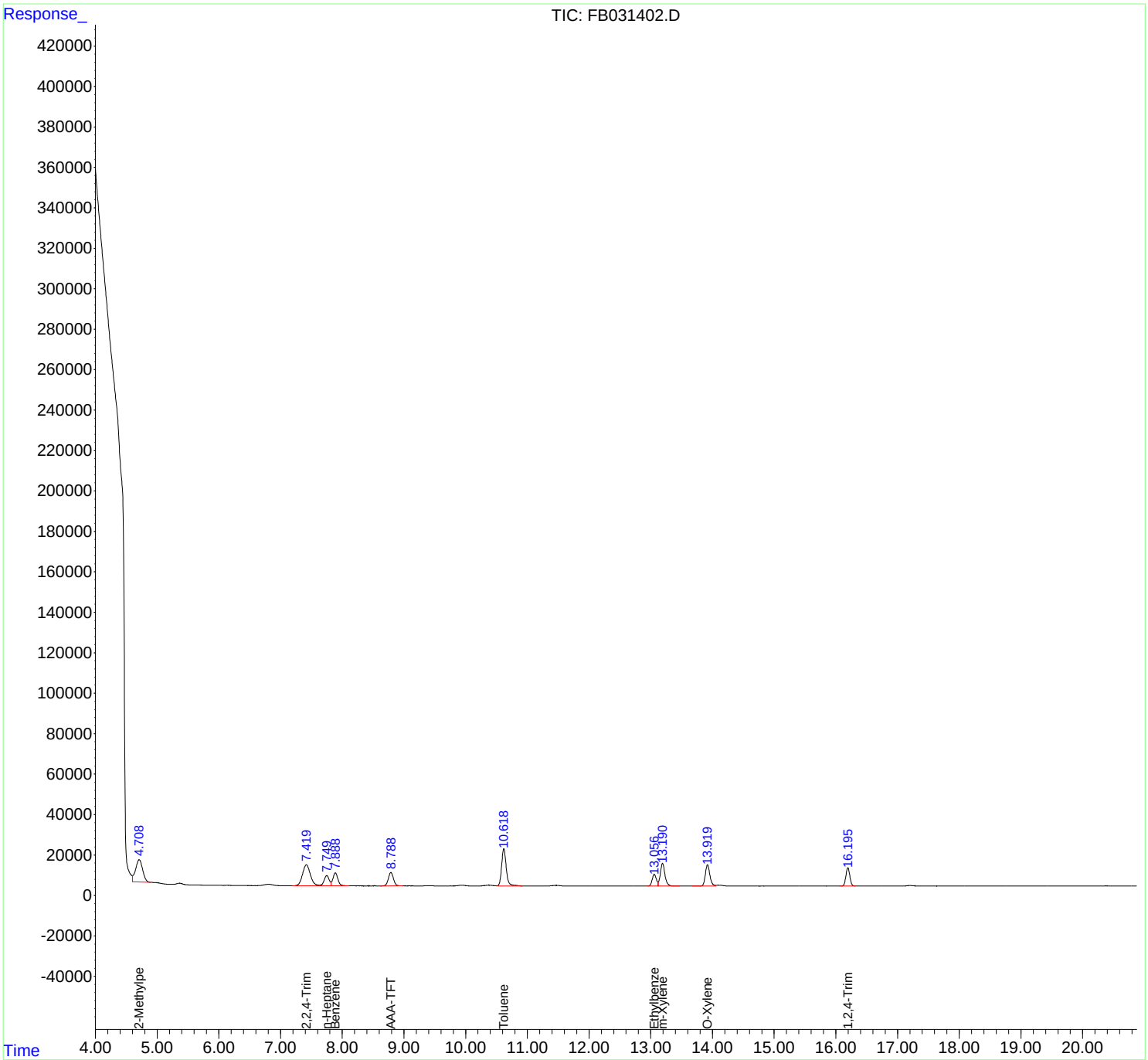
Integration File: Calibration.e
Quant Time: Jan 31 00:56:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

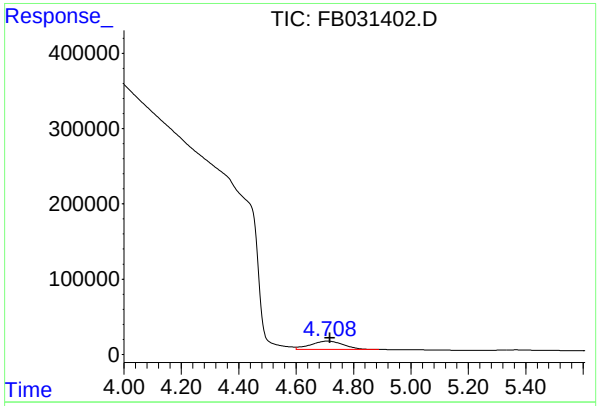
Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um

Instrument :
FID_B
ClientSampleId :
JPP-26.2-012825MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025





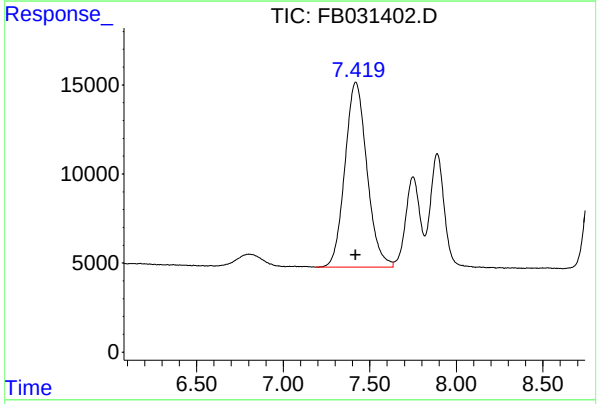
#1 2-Methylpentane

R.T.: 4.708 min
Delta R.T.: -0.010 min
Response: 881007
Conc: 26.58 ng/ml

Instrument :
FID_B
ClientSampleId :
JPP-26.2-012825MSD

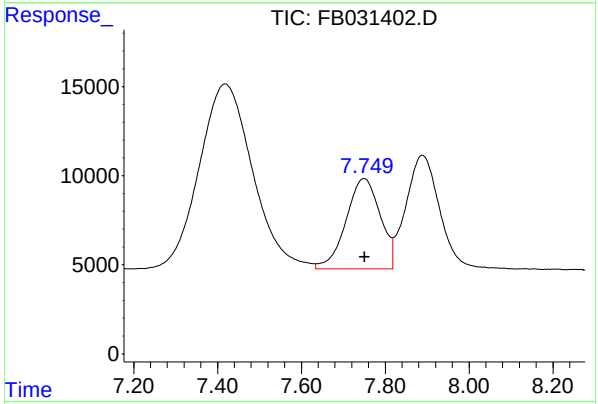
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025



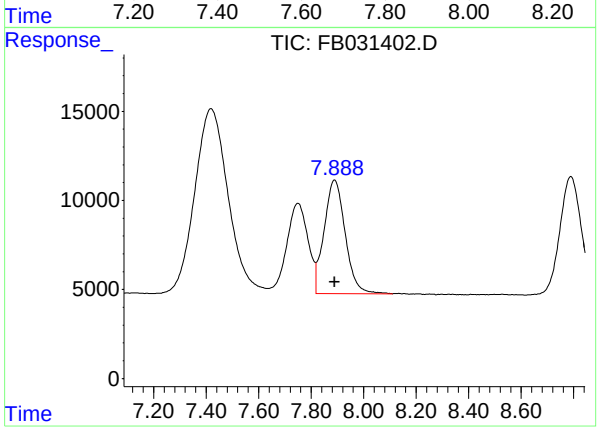
#2 2,2,4-Trimethylpentane

R.T.: 7.420 min
Delta R.T.: 0.000 min
Response: 918864
Conc: 24.43 ng/ml



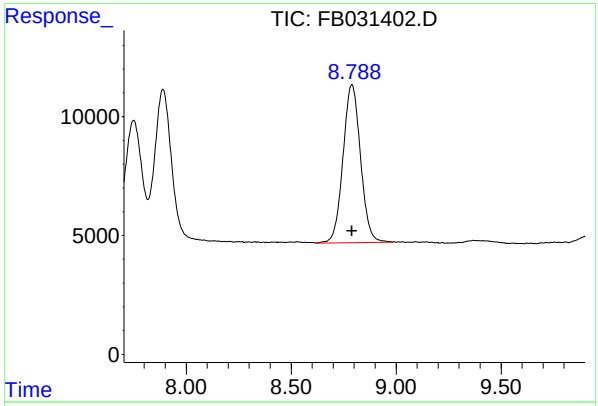
#3 n-Heptane

R.T.: 7.751 min
Delta R.T.: 0.000 min
Response: 287986
Conc: 7.98 ng/ml



#4 Benzene

R.T.: 7.889 min
Delta R.T.: 0.000 min
Response: 357230
Conc: 8.39 ng/ml



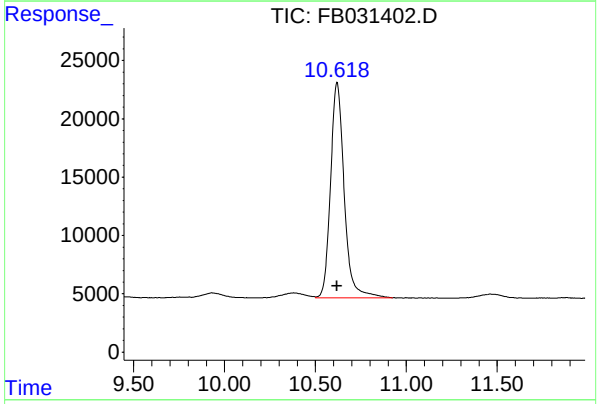
#5 AAA-TFT

R.T.: 8.790 min
Delta R.T.: 0.000 min
Response: 384660
Conc: 16.13 ng/ml

Instrument :
FID_B
ClientSampleId :
JPP-26.2-012825MSD

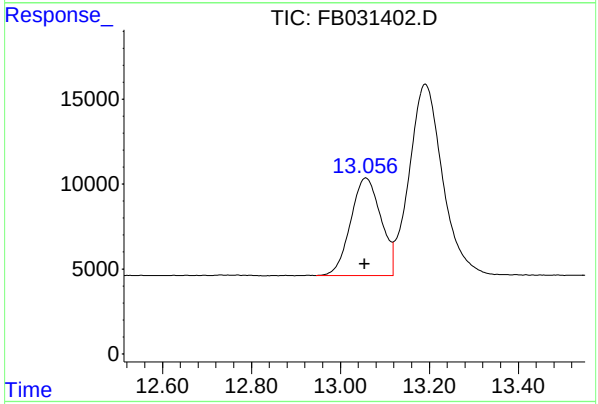
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025



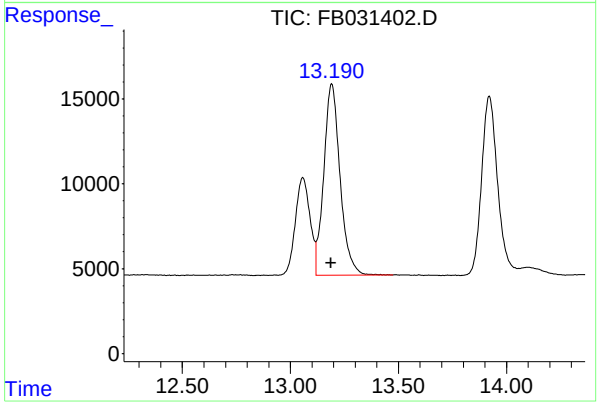
#6 Toluene

R.T.: 10.619 min
Delta R.T.: 0.002 min
Response: 964823
Conc: 24.71 ng/ml



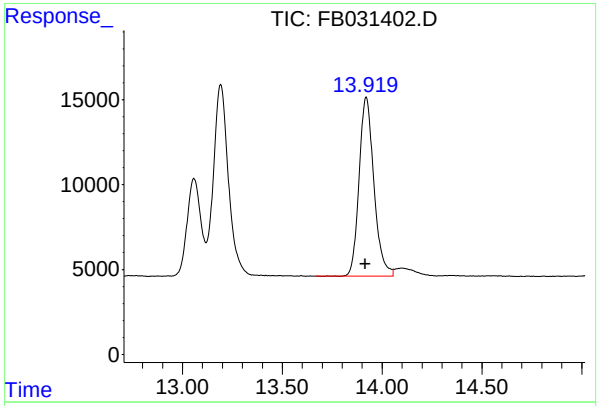
#7 Ethylbenzene

R.T.: 13.058 min
Delta R.T.: 0.003 min
Response: 272150
Conc: 7.86 ng/ml



#8 m-Xylene

R.T.: 13.192 min
Delta R.T.: 0.003 min
Response: 589462
Conc: 15.77 ng/ml



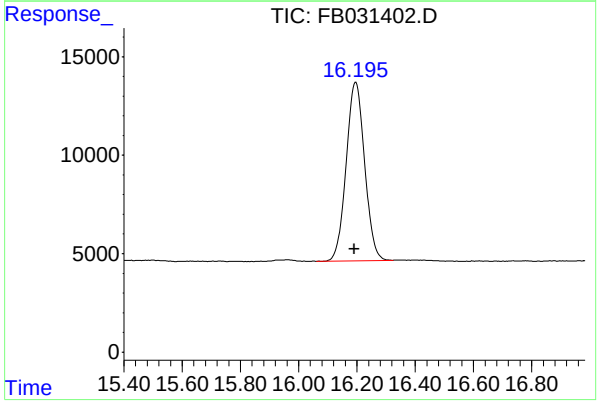
#9 O-Xylene

R.T.: 13.920 min
Delta R.T.: 0.005 min
Response: 543413
Conc: 15.26 ng/ml

Instrument :
FID_B
ClientSampleId :
JPP-26.2-012825MSD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025



#10 1,2,4-Trimethylbenzene

R.T.: 16.196 min
Delta R.T.: 0.004 min
Response: 400668
Conc: 14.15 ng/ml

Instrument :
FID_B
ClientSampleId :
JPP-26.2-012825MSD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB01302
Data File : FB031402.D
Signal(s) : FID2B.CH
Acq On : 30 Jan 2025 19:32
Sample : Q1216-17MSD 50X
Misc : 5.06G/5.00 ML MEOH
ALS Vial : 23 Sample Multiplier: 1

Integration File: SAMPLE.e

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

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.709	4.571	5.236	BV	8289	279162	28.75%	5.278%
2	5.633	5.625	5.665	PV	17	58	0.01%	0.001%
3	5.673	5.665	5.710	PV	18	200	0.02%	0.004%
4	5.723	5.710	5.749	PV	16	193	0.02%	0.004%
5	5.757	5.749	5.779	PV	9	149	0.02%	0.003%
6	5.803	5.779	5.826	VV	19	356	0.04%	0.007%
7	5.834	5.826	5.860	PV	16	208	0.02%	0.004%
8	5.873	5.860	5.903	PV	20	210	0.02%	0.004%
9	5.912	5.903	5.930	VV	16	116	0.01%	0.002%
10	5.950	5.930	5.971	PV	25	292	0.03%	0.006%
11	5.980	5.971	5.992	VV	26	201	0.02%	0.004%
12	6.004	5.992	6.013	VV	27	158	0.02%	0.003%
13	6.032	6.013	6.063	VV	33	641	0.07%	0.012%
14	6.071	6.063	6.079	PV	10	88	0.01%	0.002%
15	6.087	6.079	6.102	VV	36	322	0.03%	0.006%
16	6.128	6.102	6.154	VV	44	1054	0.11%	0.020%
17	6.176	6.154	6.186	VV	65	902	0.09%	0.017%
18	6.199	6.186	6.249	VV	52	1366	0.14%	0.026%
19	6.258	6.249	6.271	VV	38	311	0.03%	0.006%
20	6.289	6.271	6.323	VV	25	521	0.05%	0.010%
21	6.334	6.323	6.344	VV	39	285	0.03%	0.005%
22	6.366	6.344	6.394	VV	37	728	0.08%	0.014%
23	6.402	6.394	6.411	VV	38	290	0.03%	0.005%
24	6.418	6.411	6.452	VV	31	568	0.06%	0.011%
25	6.462	6.452	6.473	VV	27	211	0.02%	0.004%
26	6.483	6.473	6.505	PV	34	330	0.03%	0.006%
27	6.514	6.505	6.525	VV	14	140	0.01%	0.003%
28	6.535	6.525	6.548	VV	29	202	0.02%	0.004%
29	6.558	6.548	6.566	PV	10	53	0.01%	0.001%
30	6.583	6.566	6.609	VV	32	403	0.04%	0.008%
31	7.004	6.995	7.013	VV	29	194	0.02%	0.004%
32	7.039	7.013	7.052	VV	30	483	0.05%	0.009%
33	7.066	7.052	7.109	VV	40	830	0.09%	0.016%
34	7.119	7.109	7.169	VV	29	683	0.07%	0.013%
35	7.177	7.169	7.198	VV	11	84	0.01%	0.002%
36	7.419	7.198	7.635	PV	10398	922161	94.97%	17.435%

Instrument :
FID_B
ClientSampleId :
JPP-26.2-012825MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025

					rteres			
37	7.750	7.635	7.818	VV	5099	291086	29.98%	5.503%
38	7.889	7.818	8.111	VV	6424	363784	37	
39	8.132	8.111	8.230	VV	65	3127		
40	8.252	8.230	8.280	VV	39	772		
41	8.298	8.280	8.396	VV	28	1320		
42	8.412	8.396	8.475	VV	26	1013		
43	8.528	8.475	8.618	VV	45	2195	0.23%	0.041%
44	8.790	8.618	9.046	PV	6681	392329	40.40%	7.418%
45	9.093	9.046	9.114	VV	74	2286	0.24%	0.043%
46	9.145	9.114	9.277	VV	66	3733	0.38%	0.071%
47	9.368	9.277	9.403	VV	136	6869	0.71%	0.130%
48	9.417	9.403	9.541	VV	136	6326	0.65%	0.120%
49	9.557	9.541	9.611	VV	33	814	0.08%	0.015%
50	9.642	9.611	9.670	PV	31	628	0.06%	0.012%
51	9.755	9.670	9.798	VV	80	4066	0.42%	0.077%
52	9.933	9.798	10.158	VV	437	37016	3.81%	0.700%
53	10.176	10.158	10.198	VV	22	463	0.05%	0.009%
54	10.379	10.198	10.502	VV	450	41198	4.24%	0.779%
55	10.619	10.502	10.945	VV	18520	971043	100.00%	18.359%
56	10.961	10.945	10.989	VV	39	765	0.08%	0.014%
57	10.999	10.989	11.022	VV	39	527	0.05%	0.010%
58	11.036	11.022	11.061	VV	37	558	0.06%	0.011%
59	11.074	11.061	11.153	VV	24	1032	0.11%	0.020%
60	11.166	11.153	11.182	VV	26	274	0.03%	0.005%
61	11.197	11.182	11.212	VV	20	202	0.02%	0.004%
62	11.232	11.212	11.270	VV	14	316	0.03%	0.006%
63	11.462	11.270	11.615	PV	359	33256	3.42%	0.629%
64	11.626	11.615	11.655	VV	33	585	0.06%	0.011%
65	11.669	11.655	11.710	VV	21	579	0.06%	0.011%
66	11.741	11.710	11.830	VV	35	1807	0.19%	0.034%
67	11.882	11.830	12.002	VV	64	3260	0.34%	0.062%
68	12.103	12.002	12.145	VV	41	1821	0.19%	0.034%
69	12.159	12.145	12.256	VV	28	1730	0.18%	0.033%
70	12.336	12.256	12.448	VV	49	2973	0.31%	0.056%
71	12.462	12.448	12.513	VV	21	263	0.03%	0.005%
72	12.552	12.513	12.591	VV	28	538	0.06%	0.010%
73	12.596	12.591	12.606	VV	10	97	0.01%	0.002%
74	12.652	12.606	12.713	VV	26	1187	0.12%	0.022%
75	12.766	12.713	12.830	VV	48	1953	0.20%	0.037%
76	12.878	12.830	12.899	VV	24	410	0.04%	0.008%
77	13.058	12.899	13.118	PV	5766	273664	28.18%	5.174%
78	13.192	13.118	13.476	VV	11300	594833	61.26%	11.246%
79	13.488	13.476	13.506	VV	47	719	0.07%	0.014%
80	13.520	13.506	13.580	VV	37	1195	0.12%	0.023%
81	13.594	13.580	13.621	VV	37	480	0.05%	0.009%
82	13.642	13.621	13.715	VV	29	830	0.09%	0.016%
83	13.731	13.715	13.787	VV	23	604	0.06%	0.011%
84	13.920	13.787	14.056	VV	10564	546878	56.32%	10.340%
85	14.099	14.056	14.275	VV	491	36196	3.73%	0.684%
86	14.350	14.275	14.428	VV	56	3805	0.39%	0.072%
87	14.530	14.428	14.617	VV	39	3173	0.33%	0.060%
88	14.639	14.617	14.684	VV	31	521	0.05%	0.010%
89	14.701	14.684	14.717	PV	11	130	0.01%	0.002%

Instrument :
FID_B
ClientSampleId :
JPP-26.2-012825MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025

					rteres			
90	14.733	14.717	14.795	VV	16	383	0.04%	0.007%
91	14.810	14.795	14.833	VV	18	243		
92	14.878	14.833	14.924	PV	24	653		
93	14.941	14.924	14.957	VV	18	323		
94	15.052	14.957	15.141	VV	91	4779		
95	15.209	15.141	15.222	VV	40	1062		
96	15.241	15.222	15.264	VV	43	823	0.08%	0.016%
97	15.395	15.264	15.437	VV	73	5805	0.60%	0.110%
98	15.451	15.437	15.463	VV	63	988	0.10%	0.019%
99	15.498	15.463	15.580	VV	84	3614	0.37%	0.068%
100	15.632	15.580	15.686	VV	29	1252	0.13%	0.024%
101	15.707	15.686	15.754	VV	32	846	0.09%	0.016%
102	15.774	15.754	15.825	VV	21	462	0.05%	0.009%
103	15.836	15.825	15.847	VV	9	93	0.01%	0.002%
104	15.962	15.847	16.082	PV	88	4932	0.51%	0.093%
105	16.196	16.082	16.325	PV	9085	401248	41.32%	7.586%
106	16.341	16.325	16.374	VV	15	271	0.03%	0.005%
			Sum of corrected areas:			5289164		

FB011525.M Fri Jan 31 01:27:26 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
Q1216-17MS		FB031401.D	FB013025	2-Methylpentane	Ankita	1/31/2025 11:09:14 AM	Peak Integrated by Software incorrectly
Q1216-17MSD		FB031402.D	FB013025	2-Methylpentane	Ankita	1/31/2025 11:09:15 AM	Peak Integrated by Software incorrectly

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

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QCBatch ID # FB011525

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

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

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

M : Manual Integration

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 # FB013025

Review By	yogesh	Review On	1/30/2025 3:07:02 PM		
Supervise By	Ankita	Supervise On	1/31/2025 11:09:22 AM		
SubDirectory	FB013025	HP Acquire Method		HP Processing Method	FB011525

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24113,PP24114,PP24115,PP24116,PP24117
CCC	PP24157,PP24158,PP24159,PP24160
Internal Standard/PEM	
ICV/I.BLK	PP24111,PP24118
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	20 PPB GRO STD	FB031381.D	30 Jan 2025 9:08	YP/AJ	Ok
2	VBF0130S1	FB031382.D	30 Jan 2025 9:47	YP/AJ	Ok
3	VBF0130S2	FB031383.D	30 Jan 2025 10:13	YP/AJ	Ok
4	BSF0130S1	FB031384.D	30 Jan 2025 10:40	YP/AJ	Ok
5	Q1216-17	FB031385.D	30 Jan 2025 11:34	YP/AJ	Not Ok
6	Q1216-01	FB031386.D	30 Jan 2025 12:00	YP/AJ	Ok
7	Q1216-17	FB031387.D	30 Jan 2025 12:27	YP/AJ	Not Ok
8	Q1216-05	FB031388.D	30 Jan 2025 12:54	YP/AJ	Not Ok
9	Q1216-09	FB031389.D	30 Jan 2025 13:20	YP/AJ	Not Ok
10	Q1216-13	FB031390.D	30 Jan 2025 13:47	YP/AJ	Not Ok
11	BSF0130S2	FB031391.D	30 Jan 2025 14:14	YP/AJ	Ok
12	20 PPB GRO STD	FB031392.D	30 Jan 2025 14:40	YP/AJ	Ok
13	Q1215-01	FB031393.D	30 Jan 2025 15:33	YP/AJ	Not Ok
14	Q1215-05	FB031394.D	30 Jan 2025 16:00	YP/AJ	Not Ok
15	Q1216-05	FB031395.D	30 Jan 2025 16:26	YP/AJ	Not Ok
16	Q1216-09	FB031396.D	30 Jan 2025 16:53	YP/AJ	Not Ok
17	Q1216-13	FB031397.D	30 Jan 2025 17:19	YP/AJ	Not Ok
18	Q1215-01	FB031398.D	30 Jan 2025 17:46	YP/AJ	Not Ok
19	Q1215-05	FB031399.D	30 Jan 2025 18:13	YP/AJ	Not Ok
20	Q1216-17	FB031400.D	30 Jan 2025 18:39	YP/AJ	Ok
21	Q1216-17MS	FB031401.D	30 Jan 2025 19:06	YP/AJ	Ok,M

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 # FB013025

Review By	yogesh	Review On	1/30/2025 3:07:02 PM		
Supervise By	Ankita	Supervise On	1/31/2025 11:09:22 AM		
SubDirectory	FB013025	HP Acquire Method		HP Processing Method	FB011525

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24113,PP24114,PP24115,PP24116,PP24117
CCC	PP24157,PP24158,PP24159,PP24160
Internal Standard/PEM	
ICV/I.BLK	PP24111,PP24118
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1216-17MSD	FB031402.D	30 Jan 2025 19:32	YP/AJ	Ok,M
23	20 PPB GRO STD	FB031403.D	30 Jan 2025 19:59	YP/AJ	Ok
24	Q1216-01	FB031404.D	30 Jan 2025 21:19	YP/AJ	Not Ok
25	Q1216-05	FB031405.D	30 Jan 2025 21:46	YP/AJ	Ok
26	Q1216-09	FB031406.D	30 Jan 2025 22:13	YP/AJ	Ok
27	Q1216-13	FB031407.D	30 Jan 2025 22:39	YP/AJ	Ok
28	Q1215-01	FB031408.D	30 Jan 2025 23:06	YP/AJ	Ok
29	Q1215-05	FB031409.D	30 Jan 2025 23:33	YP/AJ	Ok
30	BSF0130S3	FB031410.D	30 Jan 2025 23:59	YP/AJ	Ok
31	20 PPB GRO STD	FB031411.D	31 Jan 2025 00:26	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 # FB011525

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

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

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

M : Manual Integration

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

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QCBatch ID # FB013025

Review By	yogesh	Review On	1/30/2025 3:07:02 PM		
Supervise By	Ankita	Supervise On	1/31/2025 11:09:22 AM		
SubDirectory	FB013025	HP Acquire Method		HP Processing Method	FB011525

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24113,PP24114,PP24115,PP24116,PP24117
CCC	PP24157,PP24158,PP24159,PP24160
Internal Standard/PEM	
ICV/I.BLK	PP24111,PP24118
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	20 PPB GRO STD		FB031381.D	30 Jan 2025 9:08		YP/AJ	Ok
2	VBF0130S1		FB031382.D	30 Jan 2025 9:47		YP/AJ	Ok
3	VBF0130S2		FB031383.D	30 Jan 2025 10:13		YP/AJ	Ok
4	BSF0130S1		FB031384.D	30 Jan 2025 10:40		YP/AJ	Ok
5	Q1216-17		FB031385.D	30 Jan 2025 11:34	vial-A ,not purged	YP/AJ	Not Ok
6	Q1216-01		FB031386.D	30 Jan 2025 12:00	vial-A	YP/AJ	Ok
7	Q1216-17		FB031387.D	30 Jan 2025 12:27	vial-B ,not purged	YP/AJ	Not Ok
8	Q1216-05		FB031388.D	30 Jan 2025 12:54	vial-A ,not purged	YP/AJ	Not Ok
9	Q1216-09		FB031389.D	30 Jan 2025 13:20	vial-A ,not purged	YP/AJ	Not Ok
10	Q1216-13		FB031390.D	30 Jan 2025 13:47	vial-A ,not purged	YP/AJ	Not Ok
11	BSF0130S2		FB031391.D	30 Jan 2025 14:14		YP/AJ	Ok
12	20 PPB GRO STD		FB031392.D	30 Jan 2025 14:40		YP/AJ	Ok
13	Q1215-01		FB031393.D	30 Jan 2025 15:33	vial-A ,not purged	YP/AJ	Not Ok
14	Q1215-05		FB031394.D	30 Jan 2025 16:00	vial-A ,not purged	YP/AJ	Not Ok
15	Q1216-05		FB031395.D	30 Jan 2025 16:26	vial-B ,not purged	YP/AJ	Not Ok
16	Q1216-09		FB031396.D	30 Jan 2025 16:53	vial-B ,not purged	YP/AJ	Not Ok
17	Q1216-13		FB031397.D	30 Jan 2025 17:19	vial-B ,not purged	YP/AJ	Not Ok
18	Q1215-01		FB031398.D	30 Jan 2025 17:46	vial-B ,not purged	YP/AJ	Not Ok

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 # FB013025

Review By	yogesh	Review On	1/30/2025 3:07:02 PM		
Supervise By	Ankita	Supervise On	1/31/2025 11:09:22 AM		
SubDirectory	FB013025	HP Acquire Method		HP Processing Method	FB011525

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24113,PP24114,PP24115,PP24116,PP24117
CCC	PP24157,PP24158,PP24159,PP24160
Internal Standard/PEM	
ICV/I.BLK	PP24111,PP24118
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1215-05		FB031399.D	30 Jan 2025 18:13	vial-B ,not purged	YP/AJ	Not Ok
20	Q1216-17		FB031400.D	30 Jan 2025 18:39	vial-C	YP/AJ	Ok
21	Q1216-17MS		FB031401.D	30 Jan 2025 19:06	vial-C	YP/AJ	Ok,M
22	Q1216-17MSD		FB031402.D	30 Jan 2025 19:32	vial-C	YP/AJ	Ok,M
23	20 PPB GRO STD		FB031403.D	30 Jan 2025 19:59		YP/AJ	Ok
24	Q1216-01		FB031404.D	30 Jan 2025 21:19	vial-C , not required	YP/AJ	Not Ok
25	Q1216-05		FB031405.D	30 Jan 2025 21:46	vial-C	YP/AJ	Ok
26	Q1216-09		FB031406.D	30 Jan 2025 22:13	vial-C	YP/AJ	Ok
27	Q1216-13		FB031407.D	30 Jan 2025 22:39	vial-C	YP/AJ	Ok
28	Q1215-01		FB031408.D	30 Jan 2025 23:06	vial-C	YP/AJ	Ok
29	Q1215-05		FB031409.D	30 Jan 2025 23:33	vial-C	YP/AJ	Ok
30	BSF0130S3		FB031410.D	30 Jan 2025 23:59		YP/AJ	Ok
31	20 PPB GRO STD		FB031411.D	31 Jan 2025 00:26		YP/AJ	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 1/31/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 16:45
In Date: 01/30/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:14
Out Date: 01/31/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB134481

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q1215-01	JPP-29.1-012825	1	1.15	8.54	9.69	8.75	89.0	
Q1215-03	JPP-29.1-012825	2	1.16	8.48	9.64	8.69	88.8	
Q1215-05	JPP-29.2-012825	3	1.19	8.70	9.89	8.77	87.1	
Q1215-07	JPP-29.2-012825	4	1.15	8.63	9.78	8.81	88.8	
Q1216-01	JPP-18.1-012825	5	1.19	8.45	9.64	8.05	81.2	
Q1216-03	JPP-18.1-012825	6	1.16	8.82	9.98	8.51	83.3	
Q1216-05	JPP-21.1-012825	7	1.15	8.40	9.55	8.83	91.4	
Q1216-07	JPP-21.1-012825	8	1.15	8.75	9.9	9.06	90.4	
Q1216-09	JPP-21.2-012825	9	1.19	8.42	9.61	8.29	84.3	
Q1216-11	JPP-21.2-012825	10	1.15	8.36	9.51	8.2	84.3	
Q1216-13	JPP-26.1-012825	11	1.19	8.46	9.65	7.87	79.0	
Q1216-15	JPP-26.1-012825	12	1.17	8.76	9.93	8.42	82.8	
Q1216-17	JPP-26.2-012825	13	1.16	8.63	9.79	8.52	85.3	
Q1216-19	JPP-26.2-012825	14	1.17	8.51	9.68	8.47	85.8	
Q1232-01	JPP-46.2-012925	15	1.12	8.77	9.89	8.99	89.7	
Q1232-03	JPP-46.2-012925	16	1.15	8.37	9.52	8.62	89.2	
Q1232-05	JPP-46.1-012925	17	1.17	8.50	9.67	9.14	93.8	
Q1232-07	JPP-46.1-012925	18	1.15	8.72	9.87	9.35	94.0	
Q1232-09	JPP-42.1-012925	19	1.14	8.37	9.51	8.56	88.6	
Q1232-11	JPP-42.1-012925	20	1.19	8.43	9.62	8.62	88.1	
Q1232-13	JPP-42.2-012925	21	1.15	8.50	9.65	8.98	92.1	
Q1232-15	JPP-42.2-012925	22	1.15	8.37	9.52	8.95	93.2	
Q1232-17	JPP-51.1-012925	23	1.19	8.42	9.61	9.14	94.4	
Q1232-19	JPP-51.1-012925	24	1.12	8.75	9.87	9.44	95.1	
Q1233-01	WIPE-1	25	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q1233-02	WIPE-2	26	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q1235-01	JPP-51.2-012925	27	1.15	8.60	9.75	8.99	91.2	
Q1235-03	JPP-51.2-012925	28	1.15	8.51	9.66	8.96	91.8	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 1/31/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 16:45
In Date: 01/30/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:14
Out Date: 01/31/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB134481

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q1235-05	JPP-16.1-012925	29	1.15	8.75	9.9	8.94	89.0	
Q1235-07	JPP-16.1-012925	30	1.12	8.77	9.89	8.94	89.2	
Q1237-01	HL6PX1	31	1.16	8.53	9.69	9.27	95.1	
Q1237-02	HL6PX2	32	1.16	8.70	9.86	9.28	93.3	
Q1237-03	HL6PX3	33	1.15	8.82	9.97	9.27	92.1	
Q1237-04	HL6PX4	34	1.15	8.78	9.93	9.43	94.3	
Q1237-05	HL6PX5	35	1.17	8.54	9.71	9.33	95.6	
Q1237-06	HL6PX6	36	1.17	8.57	9.74	9.07	92.2	
Q1239-01	286	37	1.14	8.49	9.63	8.68	88.8	
Q1239-04	348	38	1.14	8.83	9.97	9.00	89.0	
Q1239-07	RBR22266	39	1.17	8.74	9.91	9.00	89.6	
Q1239-10	357	40	1.16	8.80	9.96	8.62	84.8	
Q1240-01	MEG-OIL	41	1.00	1.00	2.00	2.00	100.0	oil sample

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

WORKLIST(Hardcopy Internal Chain)

(B 13448)

WorkList Name : %1-013025 **WorkList ID :** 187270 **Department :** Wet-Chemistry **Date :** 01-30-2025 07:55:51

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1215-01	JPP-29.1-012825	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/28/2025	Chemtech -SO
Q1215-03	JPP-29.1-012825	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/28/2025	Chemtech -SO
Q1215-05	JPP-29.2-012825	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/28/2025	Chemtech -SO
Q1215-07	JPP-29.2-012825	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/28/2025	Chemtech -SO
Q1216-01	JPP-18.1-012825	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/28/2025	Chemtech -SO
Q1216-03	JPP-18.1-012825	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/28/2025	Chemtech -SO
Q1216-05	JPP-21.1-012825	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/28/2025	Chemtech -SO
Q1216-07	JPP-21.1-012825	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/28/2025	Chemtech -SO
Q1216-09	JPP-21.2-012825	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/28/2025	Chemtech -SO
Q1216-11	JPP-21.2-012825	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/28/2025	Chemtech -SO
Q1216-13	JPP-26.1-012825	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/28/2025	Chemtech -SO
Q1216-15	JPP-26.1-012825	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/28/2025	Chemtech -SO
Q1216-17	JPP-26.2-012825	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/28/2025	Chemtech -SO
Q1216-19	JPP-26.2-012825	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/28/2025	Chemtech -SO
Q1232-01	JPP-46.2-012925	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/28/2025	Chemtech -SO
Q1232-03	JPP-46.2-012925	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/29/2025	Chemtech -SO
Q1232-05	JPP-46.1-012925	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/29/2025	Chemtech -SO
Q1232-07	JPP-46.1-012925	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/29/2025	Chemtech -SO
Q1232-09	JPP-42.1-012925	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/29/2025	Chemtech -SO
Q1232-11	JPP-42.1-012925	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/29/2025	Chemtech -SO
Q1232-13	JPP-42.2-012925	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/29/2025	Chemtech -SO

Date/Time 01/30/25 1520

Raw Sample Received by: SB WLC

Raw Sample Relinquished by: CJSM

Date/Time 01/30/25 1711

Raw Sample Received by: CF SB

Raw Sample Relinquished by: SB WLC

WORKLIST(Hardcopy Internal Chain)

JP 134481

WorkList Name : %1-013025 **WorkList ID :** 187270 **Department :** Wet-Chemistry **Date :** 01-30-2025 07:55:51

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1232-15	JPP-42.2-012925	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/29/2025	Chemtech -SO
Q1232-17	JPP-51.1-012925	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/29/2025	Chemtech -SO
Q1232-19	JPP-51.1-012925	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/29/2025	Chemtech -SO
Q1233-01	WIPE-1	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/29/2025	Chemtech -SO
Q1233-02	WIPE-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/30/2025	Chemtech -SO
Q1235-01	JPP-51.2-012925	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/30/2025	Chemtech -SO
Q1235-03	JPP-51.2-012925	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/29/2025	Chemtech -SO
Q1235-05	JPP-16.1-012925	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/29/2025	Chemtech -SO
Q1235-07	JPP-16.1-012925	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/29/2025	Chemtech -SO
Q1237-01	HL6PX1	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/29/2025	Chemtech -SO
Q1237-02	HL6PX2	Solid	Percent Solids	Cool 4 deg C	GENV01	N31	01/30/2025	Chemtech -SO
Q1237-03	HL6PX3	Solid	Percent Solids	Cool 4 deg C	GENV01	N31	01/30/2025	Chemtech -SO
Q1237-04	HL6PX4	Solid	Percent Solids	Cool 4 deg C	GENV01	N31	01/30/2025	Chemtech -SO
Q1237-05	HL6PX5	Solid	Percent Solids	Cool 4 deg C	GENV01	N31	01/30/2025	Chemtech -SO
Q1237-06	HL6PX6	Solid	Percent Solids	Cool 4 deg C	GENV01	N31	01/30/2025	Chemtech -SO
Q1239-01	286	Solid	Percent Solids	Cool 4 deg C	GENV01	N31	01/30/2025	Chemtech -SO
Q1239-04	348	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	01/30/2025	Chemtech -SO
Q1239-07	RBR22266	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	01/30/2025	Chemtech -SO
Q1239-10	357	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	01/30/2025	Chemtech -SO
Q1240-01	MEG-OIL	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/30/2025	Chemtech -SO

Date/Time 01/30/25 1520

Raw Sample Received by: JB WdC

Raw Sample Relinquished by: CF SM

Date/Time 01/30/25 1720

Raw Sample Received by: CF SM

Raw Sample Relinquished by: JB WdC

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

Prep Standard - Chemical Standard Summary

Order ID : Q1215

Test : Gasoline Range Organics

Prepbatch ID :

Sequence ID/Qc Batch ID: FB013025,

Standard ID :
PP24110,PP24111,PP24112,PP24113,PP24114,PP24115,PP24116,PP24117,PP24118,PP24157,PP24158,PP24159,PP24160,

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

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

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Fax : 908 789 8922

Pest/Pcb STANDARD PREPARATION LOG

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

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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
238	5 PPB ICC GRO STD	PP24113	01/15/2025	07/13/2025	Yogesh Patel	None	None	Ankita Jodhani 01/15/2025

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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
237	10 PPB ICC GRO STD	PP24114	01/15/2025	07/13/2025	Yogesh Patel	None	None	Ankita Jodhani 01/15/2025

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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
239	20 PPB ICC GRO STD	PP24115	01/15/2025	07/13/2025	Yogesh Patel	None	None	Ankita Jodhani 01/15/2025

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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
235	50 PPB ICC GRO STD	PP24116	01/15/2025	07/13/2025	Yogesh Patel	None	None	Ankita Jodhani 01/15/2025

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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
234	100 PPB ICC GRO STD	PP24117	01/15/2025	07/13/2025	Yogesh Patel	None	None	Ankita Jodhani 01/15/2025

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

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Fax : 908 789 8922

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
239	20 PPB ICC GRO STD	PP24118	01/15/2025	07/13/2025	Yogesh Patel	None	None	Ankita Jodhani 01/15/2025

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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
241	20 PPB CCC GRO STD	PP24157	01/30/2025	07/13/2025	Yogesh Patel	None	None	Ankita Jodhani 01/31/2025

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

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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	PP24158	01/30/2025	07/13/2025	Yogesh Patel	None	None	Ankita Jodhani 01/31/2025

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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
241	20 PPB CCC GRO STD	PP24159	01/30/2025	07/13/2025	Yogesh Patel	None	None	Ankita Jodhani 01/31/2025

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

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Fax : 908 789 8922

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
241	20 PPB CCC GRO STD	PP24160	01/30/2025	07/13/2025	Yogesh Patel	None	None	Ankita Jodhani 01/31/2025

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

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CHEMICAL RECEIPT LOG BOOK

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

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

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

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

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

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

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

Certificate of Analysis

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

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

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

Ken Koehnlein
Sr. Manager, Quality Assurance

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

1st source DP P9817 To P9826 (10)

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

Description : Gasoline Range Organics Mix (EPA)

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

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

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

CERTIFIED VALUES

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

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

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

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

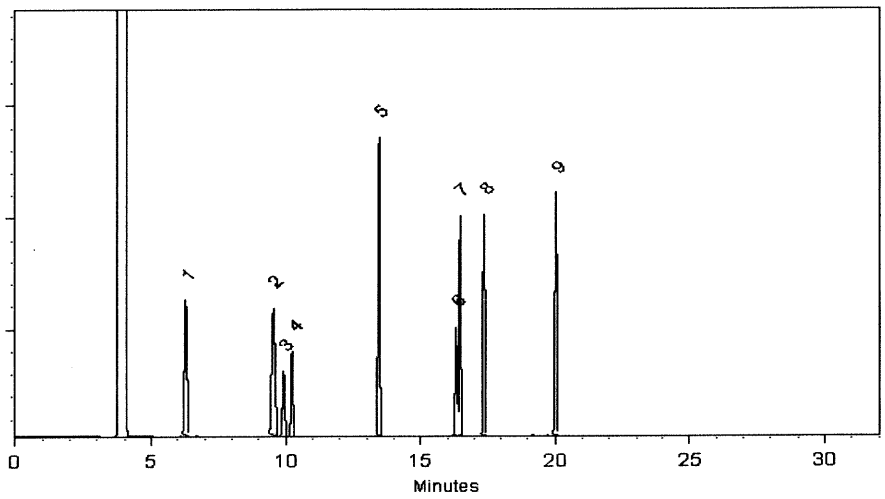
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



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

Miranda Kline
Miranda Kline - Operations Technician I

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

Fang-Yun Lo - QC Analyst

Date Passed: 23-Dec-2019

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

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. Q1215
QUOTE NO.
COC Number 2041067

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: RU2 Engineering LLC
ADDRESS: 2 Melinda Drive, Monroe Twp, NJ 08831
CITY: ZIP:
ATTENTION: Rutu Manani
PHONE: 609-409-4564 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: SANDTWOBR BMCR Project
PROJECT NO.: LOCATION: Brooklyn, NYC
PROJECT MANAGER: Rutu Manani
e-mail: Rmanani@Ru2eng.com
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: Same as Company address PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) Standard 10 days DAYS*
HARDCOPY (DATA PACKAGE): Standard 10 days DAYS*
EDD: Standard 10 days DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced
- ☐ NYS ASP A
- ☒ NYS ASP B
- ☐ Other
- ☐ EDD FORMAT

ANALYSIS

1 TCL VOC + TICs MTBE, TBA
2 TCLP VOCs
3 TPH GRO-DRO
4 TCL SVOCs + TICs
5 TAL Metals
6 Pesticides PCBs
7 RCRA characteristics
8 Paint filter
9 full TCLP

PRESERVATIVES

COMMENTS

← Specify Preservatives
A-HCl D-NaOH
B-HN03 ICE
C-H2SO4 F-OTHER

	CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1	2	3	4	5	6	7	8	9
1.		JPP-29.1-012825	Soil		G	1/28/25	14:26	3	X	X	X						
2.		JPP-29.1-012825	Soil	C		1/28/25	14:30	7			X	X	X	X	X	X	X
3.		JPP-29.2-012825	Soil		G	1/28/25	15:15	3	X	X	X						
4.		JPP-29.2-012825	Soil	C		1/28/25	15:22	7			X	X	X	X	X	X	X
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. RA	1/29/2025	1. 1045 1-29-25
2.		2.
3.	DATE/TIME: 1614 1-29-25	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.8 °C
Comments: Preserve extra sample jar if additional analysis is Required

Page 2 of 2

CLIENT: ☐ Hand Delivered ☐ Other
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

Laboratory Certification

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

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

LOGIN REPORT/SAMPLE TRANSFER

YG
02/03/25

NYCDDC SANTWOBR Brooklyn Bridge BBMCR

Order ID : Q1215 RUTW01
Client Name : RU2 Engineering, LLC
Client Contact : Rutu Manani
Invoice Name : RU2 Engineering, LLC
Invoice Contact : Rutu Manani

Order Date : 1/29/2025 11:20:00 AM
Project Name : ~~SANDTWOBR BMCR Bro~~
Receive DateTime : 1/29/2025 4:14:00 PM
Purchase Order :

Project Mgr :
Report Type : NYS ASP B
EDD Type : Excel NY
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1215-01	JPP-29.1-012825	Solid	01/28/2025	14:26					
					VOCMS Group1		8260D		10 Bus. Days
Q1215-05	JPP-29.2-012825	Solid	01/28/2025	15:15					
					VOCMS Group1		8260D		10 Bus. Days

Relinquished By :
Date / Time : 1-29-25 1700

Received By :
Date / Time : 1-29-25 17:00

Samples in Sm Frig @ 1700.

Storage Area : VOA Refridgerator Room

Left stored RC