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Cover Page

Order ID : Q1241

Project ID : NYCDDC SANTWOBR Brooklyn Bridge BBMCR

Client : RU2 Engineering, LLC

Lab Sample Number	Client Sample Number
Q1241-01	JPP-3.5-013025
Q1241-02	JPP-3.5-013025
Q1241-03	JPP-3.5-013025
Q1241-04	JPP-3.5-013025
Q1241-05	JPP-5.3-013025
Q1241-06	JPP-5.3-013025
Q1241-07	JPP-5.3-013025
Q1241-08	JPP-5.3-013025
Q1241-09	JPP-5.2-013025
Q1241-10	JPP-5.2-013025
Q1241-11	JPP-5.2-013025
Q1241-12	JPP-5.2-013025
Q1241-13	JPP-5.4-013025
Q1241-14	JPP-5.4-013025
Q1241-15	JPP-5.4-013025
Q1241-16	JPP-5.4-013025
Q1241-17	JPP-51.4-013025
Q1241-18	JPP-51.4-013025
Q1241-19	JPP-51.4-013025
Q1241-20	JPP-51.4-013025

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: 2/10/2025

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 # Q1241
Test Name: Gasoline Range Organics

A. Number of Samples and Date of Receipt:
20 Solid samples were received on 01/30/2025.

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

E. Additional Comments:
The 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.

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Signature_____

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DATA REPORTING QUALIFIERS- ORGANIC

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

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

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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: Q1241 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 Blank Spike met requirements for all samples . The Blank Spike Duplicate met requirements for all samples . The RPD met criteria .			✓
7.	Retention Time Shift Meet Criteria (if applicable) Comments:			✓
8.	Extraction Holding Time Met If not met, list number of days exceeded for each sample:		✓	
9.	Analysis Holding Time Met If not met, list those compounds and their recoveries which fall outside the acceptable range. The Holding Times were met for all analysis.		✓	

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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

NA NO YES

ADDITIONAL COMMENTS:

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

_____ _____

QA REVIEW Date

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q1241**

	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:** **02/10/2025**

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LAB CHRONICLE

OrderID:	Q1241	**OrderDate:**	1/30/2025 2:58:00 PM
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
Q1241-01	**JPP-3.5-013025**	**SOIL**			**01/30/25**			**01/30/25**
			Diesel Range Organics	8015D		01/31/25	01/31/25	
			Gasoline Range Organics	8015D			01/31/25	
Q1241-03	**JPP-3.5-013025**	**SOIL**			**01/30/25**			**01/30/25**
			Pesticide-TCL	8081B		01/31/25	01/31/25	
Q1241-04	**JPP-3.5-013025**	**TCLP**			**01/30/25**			**01/30/25**
			TCLP Herbicide	8151A		02/03/25	02/03/25	
			TCLP Pesticide	8081B		02/03/25	02/03/25	
Q1241-05	**JPP-5.3-013025**	**SOIL**			**01/30/25**			**01/30/25**
			Diesel Range Organics	8015D		01/31/25	01/31/25	
			Gasoline Range Organics	8015D			01/31/25	
Q1241-07	**JPP-5.3-013025**	**SOIL**			**01/30/25**			**01/30/25**
			Pesticide-TCL	8081B		01/31/25	01/31/25	
Q1241-08	**JPP-5.3-013025**	**TCLP**			**01/30/25**			**01/30/25**
			TCLP Herbicide	8151A		02/03/25	02/03/25	
			TCLP Pesticide	8081B		02/03/25	02/03/25	
Q1241-09	**JPP-5.2-013025**	**SOIL**			**01/30/25**			**01/30/25**
			Diesel Range Organics	8015D		01/31/25	01/31/25	
			Gasoline Range Organics	8015D			01/31/25	
Q1241-11	**JPP-5.2-013025**	**SOIL**			**01/30/25**			**01/30/25**
			Pesticide-TCL	8081B		01/31/25	01/31/25	
Q1241-12	**JPP-5.2-013025**	**TCLP**			**01/30/25**			**01/30/25**
			TCLP Herbicide	8151A		02/03/25	02/03/25	
			TCLP Pesticide	8081B		02/03/25	02/03/25	

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LAB CHRONICLE

Q1241-13	**JPP-5.4-013025**	**SOIL**			**01/30/25**			**01/30/25**
			Diesel Range Organics	8015D		01/31/25	01/31/25	
			Gasoline Range Organics	8015D			01/31/25	
Q1241-15	**JPP-5.4-013025**	**SOIL**			**01/30/25**			**01/30/25**
			Pesticide-TCL	8081B		01/31/25	01/31/25	
Q1241-16	**JPP-5.4-013025**	**TCLP**			**01/30/25**			**01/30/25**
			TCLP Herbicide	8151A		02/03/25	02/03/25	
			TCLP Pesticide	8081B		02/03/25	02/03/25	
Q1241-17	**JPP-51.4-013025**	**SOIL**			**01/30/25**			**01/30/25**
			Diesel Range Organics	8015D		01/31/25	01/31/25	
			Gasoline Range Organics	8015D			01/31/25	
Q1241-19	**JPP-51.4-013025**	**SOIL**			**01/30/25**			**01/30/25**
			Pesticide-TCL	8081B		01/31/25	01/31/25	
Q1241-20	**JPP-51.4-013025**	**TCLP**			**01/30/25**			**01/30/25**
			TCLP Herbicide	8151A		02/03/25	02/03/25	
			TCLP Pesticide	8081B		02/03/25	02/03/25	

QC
SUMMARY

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SOIL GASOLINE RANGE ORGANICS SURROGATE RECOVERY

Lab Name: Chemtech Client: RU2 Engineering, LLC

Lab Code: CHEM Case No.: Q1241 SAS No.: Q1241 SDG No.: Q1241

EPA SAMPLE NO.	S1 AAA-TFT	S2	S3	S4	TOT OUT
VBF0131S1	103				0
BSF0131S1	98				0
JPP-3.5-013025	62				0
JPP-5.3-013025	83				0
BSF0131S2	91				0
JPP-5.4-013025	80				0
JPP-51.4-013025	78				0
JPP-5.2-013025	93				0

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

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

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

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

Lab Code: CHEM **Cas No:** Q1241 **SAS No :** Q1241 **SDG No:** Q1241

Matrix Spike - EPA Sample No : BSF0131S1 **Datafile:** FB031415.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS
GRO	180	0	173	96	50-150

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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:** Q1241 **SAS No :** Q1241 **SDG No:** Q1241

Matrix Spike - EPA Sample No : BSF0131S2 **Datafile:** FB031420.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS
GRO	180	0	168	93	50-150

LCS/LCSD % Recovery RPD : 3.0

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METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBF0131S1

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1241 SAS No.: Q1241 SDG NO.: Q1241

Lab File ID: FB031413.D Lab Sample ID: VBF0131S1

Date Analyzed: 01/31/25 Time Analyzed: 9:41

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
BSF0131S1	BSF0131S1	FB031415.D	01/31/25
JPP-3.5-013025	Q1241-01	FB031417.D	01/31/25
JPP-5.3-013025	Q1241-05	FB031418.D	01/31/25
BSF0131S2	BSF0131S2	FB031420.D	01/31/25
JPP-5.4-013025	Q1241-13	FB031422.D	01/31/25
JPP-51.4-013025	Q1241-17	FB031423.D	01/31/25
JPP-5.2-013025	Q1241-09	FB031433.D	01/31/25

COMMENTS:

Alliance
TECHNICAL GROUP

SAMPLE DATA

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Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-3.5-013025	SDG No.:	Q1241
Lab Sample ID:	Q1241-01	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	84.6 Decanted:
Sample Wt/Vol:	17.67 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
FB031417.D	1	01/31/25 11:52	FB013125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	15.0	U	3.00	15.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	12.4		50 - 150	62%	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\FB013125\
Data File : FB031417.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 11:52
Operator : YP/AJ
Sample : Q1241-01
Misc : 17.67G/5.00 ML DI WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
JPP-3.5-013025

Integration File: Calibration.e
Quant Time: Feb 01 00:15:34 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	8.794	295531	12.390 ng/ml
Target Compounds				

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

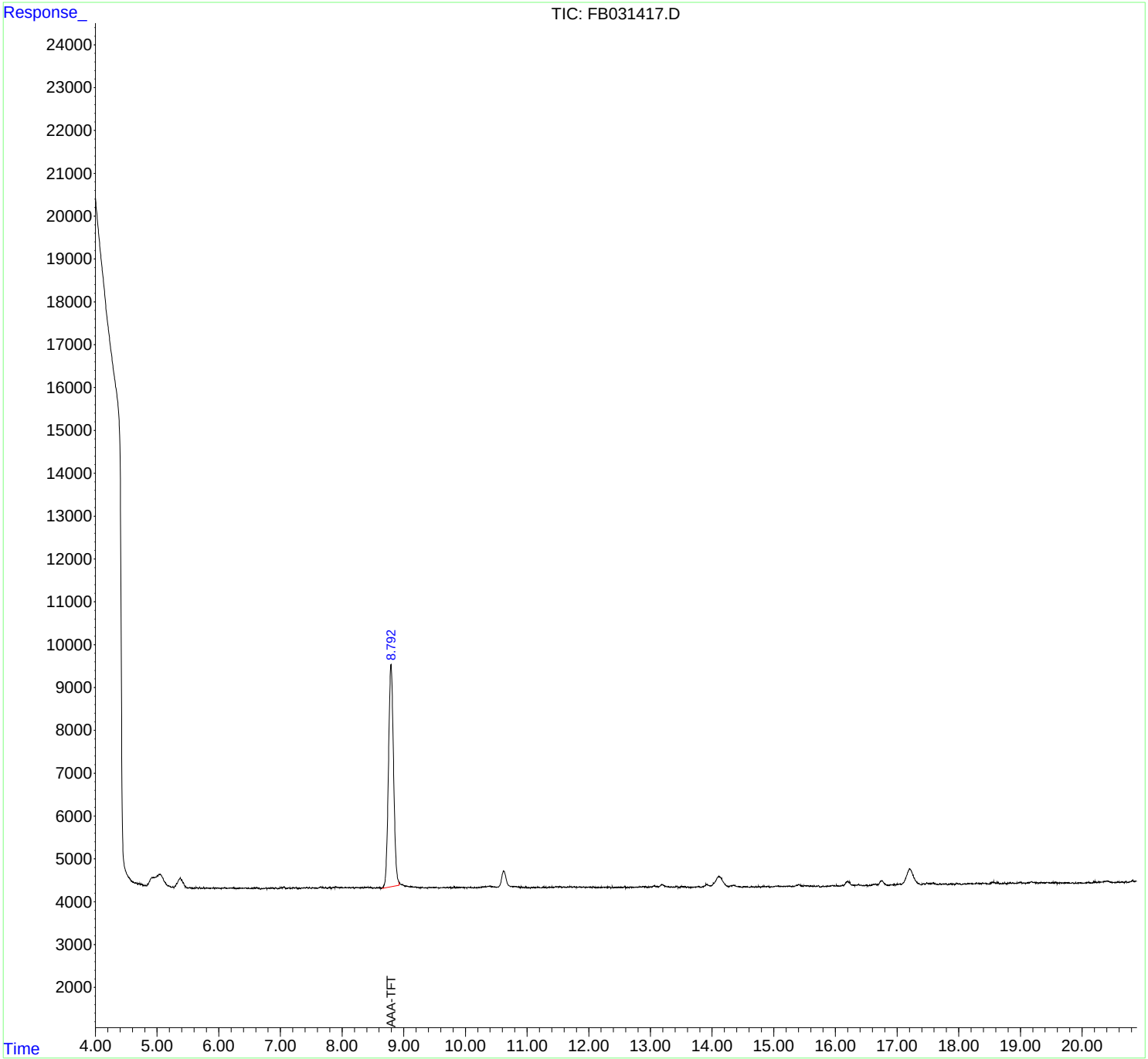
Quantitation Report (QT Reviewed)

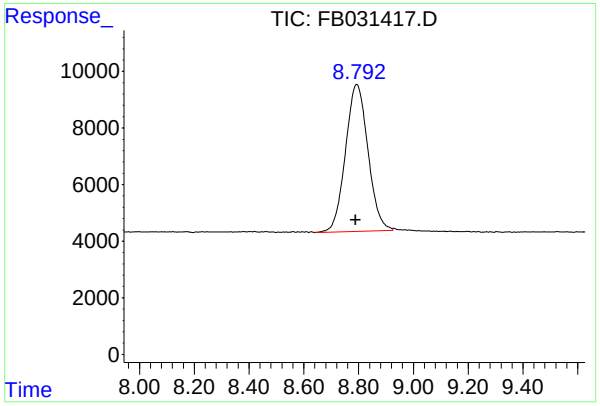
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013125\
Data File : FB031417.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 11:52
Operator : YP/AJ
Sample : Q1241-01
Misc : 17.67G/5.00 ML DI WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
JPP-3.5-013025

Integration File: Calibration.e
Quant Time: Feb 01 00:15:34 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.: 8.794 min
Delta R.T.: 0.004 mi
Response: 295531
Conc: 12.39 ng/m

Instrument :
FID_B
ClientSampleId :
JPP-3.5-013025

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013125\
Data File : FB031417.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 11:52
Sample : Q1241-01
Misc : 17.67G/5.00 ML DI WATER
ALS Vial : 6 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	4.652	4.604	4.689	BV	14	248	0.08%	0.048%
2	4.698	4.689	4.731	PV	24	339	0.11%	0.065%
3	4.745	4.731	4.789	VV	29	480	0.15%	0.093%
4	4.799	4.789	4.808	PV	16	73	0.02%	0.014%
5	4.818	4.808	4.835	VV	22	143	0.05%	0.028%
6	4.924	4.835	4.933	PV	211	7164	2.29%	1.381%
7	5.192	5.183	5.236	VV	38	618	0.20%	0.119%
8	5.257	5.236	5.278	PV	13	169	0.05%	0.033%
9	5.488	5.481	5.501	VV	17	125	0.04%	0.024%
10	5.529	5.501	5.570	VV	29	488	0.16%	0.094%
11	5.606	5.570	5.616	PV	23	176	0.06%	0.034%
12	5.647	5.616	5.660	PV	23	365	0.12%	0.070%
13	5.667	5.660	5.674	VV	14	79	0.03%	0.015%
14	5.691	5.674	5.708	VV	20	251	0.08%	0.048%
15	5.723	5.708	5.742	PV	14	160	0.05%	0.031%
16	5.757	5.742	5.776	VV	31	208	0.07%	0.040%
17	5.802	5.776	5.865	VB	14	331	0.11%	0.064%
18	5.910	5.865	5.930	BV	14	185	0.06%	0.036%
19	5.944	5.930	5.969	VV	14	237	0.08%	0.046%
20	5.979	5.969	5.997	VV	18	184	0.06%	0.035%
21	6.009	5.997	6.029	VV	16	169	0.05%	0.033%
22	6.059	6.029	6.069	PV	18	246	0.08%	0.047%
23	6.102	6.069	6.129	VV	27	534	0.17%	0.103%
24	6.194	6.129	6.218	VV	21	797	0.26%	0.154%
25	6.240	6.218	6.253	VV	37	460	0.15%	0.089%
26	6.266	6.253	6.288	VV	15	268	0.09%	0.052%
27	6.299	6.288	6.319	VV	23	250	0.08%	0.048%
28	6.326	6.319	6.360	VV	28	507	0.16%	0.098%
29	6.384	6.360	6.414	VV	25	603	0.19%	0.116%
30	6.433	6.414	6.474	VV	31	765	0.24%	0.147%
31	6.480	6.474	6.510	VV	29	377	0.12%	0.073%
32	6.542	6.510	6.555	VV	26	481	0.15%	0.093%
33	6.576	6.555	6.603	VV	48	796	0.25%	0.153%
34	6.625	6.603	6.641	VV	39	654	0.21%	0.126%
35	6.657	6.641	6.674	VV	36	434	0.14%	0.084%
36	6.694	6.674	6.715	PV	26	334	0.11%	0.064%

rteres

37	6.730	6.715	6.744	VV	26	356	0.11%	0.069%
38	6.770	6.744	6.781	VV	42	553	0.18%	0.107%
39	6.803	6.781	6.814	VV	30	466	0.15%	0.090%
40	6.823	6.814	6.832	VV	30	277	0.09%	0.053%
41	6.848	6.832	6.857	VV	31	385	0.12%	0.074%
42	6.867	6.857	6.875	VV	40	316	0.10%	0.061%
43	6.883	6.875	6.906	VV	37	400	0.13%	0.077%
44	6.923	6.906	6.959	VV	40	752	0.24%	0.145%
45	6.980	6.959	6.988	VV	25	332	0.11%	0.064%
46	6.999	6.988	7.014	VV	40	450	0.14%	0.087%
47	7.032	7.014	7.038	VV	43	508	0.16%	0.098%
48	7.062	7.038	7.106	VV	65	1449	0.46%	0.279%
49	7.133	7.106	7.176	VV	34	983	0.31%	0.190%
50	7.190	7.176	7.197	VV	35	346	0.11%	0.067%
51	7.206	7.197	7.219	VV	48	465	0.15%	0.090%
52	7.229	7.219	7.247	VV	35	481	0.15%	0.093%
53	7.257	7.247	7.286	VV	37	587	0.19%	0.113%
54	7.308	7.286	7.331	VV	32	565	0.18%	0.109%
55	7.348	7.331	7.365	VV	33	518	0.17%	0.100%
56	7.385	7.365	7.398	VV	41	661	0.21%	0.127%
57	7.429	7.398	7.455	VV	46	1120	0.36%	0.216%
58	7.473	7.455	7.499	VV	46	728	0.23%	0.140%
59	7.518	7.499	7.527	VV	37	502	0.16%	0.097%
60	7.551	7.527	7.602	VV	32	1190	0.38%	0.229%
61	7.658	7.602	7.676	VV	50	1580	0.51%	0.305%
62	7.691	7.676	7.712	VV	48	695	0.22%	0.134%
63	7.732	7.712	7.774	VV	46	1024	0.33%	0.197%
64	7.787	7.774	7.798	VV	41	510	0.16%	0.098%
65	7.807	7.798	7.830	VV	53	627	0.20%	0.121%
66	7.852	7.830	7.863	VV	43	670	0.21%	0.129%
67	7.877	7.863	7.888	VV	43	603	0.19%	0.116%
68	7.902	7.888	7.948	VV	59	1487	0.48%	0.287%
69	7.960	7.948	7.968	VV	38	387	0.12%	0.075%
70	7.999	7.968	8.032	VV	43	1310	0.42%	0.253%
71	8.051	8.032	8.075	VV	40	885	0.28%	0.171%
72	8.089	8.075	8.103	VV	38	545	0.17%	0.105%
73	8.122	8.103	8.152	VV	43	968	0.31%	0.187%
74	8.175	8.152	8.197	VV	40	841	0.27%	0.162%
75	8.230	8.197	8.239	VV	38	728	0.23%	0.140%
76	8.247	8.239	8.280	VV	38	802	0.26%	0.155%
77	8.289	8.280	8.296	VV	33	284	0.09%	0.055%
78	8.334	8.296	8.342	VV	35	817	0.26%	0.157%
79	8.408	8.342	8.415	VV	42	1507	0.48%	0.291%
80	8.422	8.415	8.437	VV	47	469	0.15%	0.090%
81	8.466	8.437	8.484	VV	40	919	0.29%	0.177%
82	8.489	8.484	8.499	VV	29	197	0.06%	0.038%
83	8.509	8.499	8.517	VV	28	241	0.08%	0.047%
84	8.526	8.517	8.546	VV	27	379	0.12%	0.073%
85	8.561	8.546	8.571	VV	39	396	0.13%	0.076%
86	8.595	8.571	8.604	VV	36	570	0.18%	0.110%
87	8.611	8.604	8.643	VV	43	604	0.19%	0.116%
88	8.794	8.643	9.102	VV	5241	312436	100.00%	60.229%
89	9.112	9.102	9.124	VV	53	648	0.21%	0.125%

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90	9.137	9.124	9.146	VV	54	637	0.20%	0.123%
91	9.159	9.146	9.169	VV	44	557	0.18%	0.107%
92	9.197	9.169	9.214	VV	49	1078	0.35%	0.208%
93	9.223	9.214	9.257	VV	38	780	0.25%	0.150%
94	9.267	9.257	9.274	VV	34	263	0.08%	0.051%
95	9.281	9.274	9.294	VV	32	269	0.09%	0.052%
96	9.305	9.294	9.329	VV	38	560	0.18%	0.108%
97	9.352	9.329	9.388	VV	32	777	0.25%	0.150%
98	9.408	9.388	9.425	VV	33	623	0.20%	0.120%
99	9.438	9.425	9.514	VV	34	1469	0.47%	0.283%
100	9.526	9.514	9.546	VV	41	555	0.18%	0.107%
101	9.561	9.546	9.572	VV	30	373	0.12%	0.072%
102	9.650	9.572	9.683	VV	33	1638	0.52%	0.316%
103	9.709	9.683	9.724	VV	32	642	0.21%	0.124%
104	9.761	9.724	9.775	VV	46	823	0.26%	0.159%
105	9.784	9.775	9.802	VV	25	297	0.09%	0.057%
106	9.815	9.802	9.839	VV	54	743	0.24%	0.143%
107	9.852	9.839	9.862	VV	35	346	0.11%	0.067%
108	9.876	9.862	9.887	VV	32	384	0.12%	0.074%
109	9.899	9.887	9.912	VV	37	408	0.13%	0.079%
110	9.925	9.912	9.959	VV	35	790	0.25%	0.152%
111	9.970	9.959	9.982	VV	31	358	0.11%	0.069%
112	9.992	9.982	10.023	VV	31	600	0.19%	0.116%
113	10.046	10.023	10.065	VV	36	639	0.20%	0.123%
114	10.073	10.065	10.081	VV	33	265	0.08%	0.051%
115	10.089	10.081	10.135	VV	39	675	0.22%	0.130%
116	10.148	10.135	10.168	VV	34	450	0.14%	0.087%
117	10.176	10.168	10.182	VV	28	202	0.06%	0.039%
118	10.191	10.182	10.206	VV	29	344	0.11%	0.066%
119	10.223	10.206	10.250	VV	30	659	0.21%	0.127%
120	10.323	10.250	10.335	VV	43	1842	0.59%	0.355%
121	10.361	10.335	10.379	VV	55	1255	0.40%	0.242%
122	10.403	10.379	10.432	VV	59	1566	0.50%	0.302%
123	10.446	10.432	10.470	VV	45	898	0.29%	0.173%
124	10.479	10.470	10.503	VV	43	689	0.22%	0.133%
125	10.518	10.503	10.530	VV	37	519	0.17%	0.100%
126	10.617	10.530	10.737	VV	411	22716	7.27%	4.379%
127	10.750	10.737	10.768	VV	54	865	0.28%	0.167%
128	10.785	10.768	10.837	VV	52	1855	0.59%	0.358%
129	10.845	10.837	10.855	VV	42	395	0.13%	0.076%
130	10.864	10.855	10.900	VV	43	823	0.26%	0.159%
131	10.912	10.900	10.928	VV	41	495	0.16%	0.095%
132	10.945	10.928	10.958	VV	35	423	0.14%	0.082%
133	10.978	10.958	11.001	VV	48	594	0.19%	0.114%
134	11.017	11.001	11.035	VV	25	354	0.11%	0.068%
135	11.044	11.035	11.054	VV	20	139	0.04%	0.027%
136	11.105	11.054	11.159	PV	30	1257	0.40%	0.242%
137	11.178	11.159	11.237	VV	27	920	0.29%	0.177%
138	11.258	11.237	11.320	VV	24	1042	0.33%	0.201%
139	11.358	11.320	11.429	VV	34	1489	0.48%	0.287%
140	11.465	11.429	11.487	VV	47	1089	0.35%	0.210%
141	11.500	11.487	11.517	VV	44	615	0.20%	0.119%

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142	11.548	11.517	11.564	VV	44	896	0.29%	0.173%
143	11.593	11.564	11.634	VV	34	1107	0.35%	0.213%
144	11.659	11.634	11.679	VV	40	769	0.25%	0.148%
145	11.697	11.679	11.733	VV	36	992	0.32%	0.191%
146	11.763	11.733	11.821	VV	38	1521	0.49%	0.293%
147	11.856	11.821	11.902	VV	43	1291	0.41%	0.249%
148	11.922	11.902	11.946	VV	30	625	0.20%	0.121%
149	11.961	11.946	11.974	VV	20	344	0.11%	0.066%
150	12.001	11.974	12.061	VV	26	1153	0.37%	0.222%
151	12.072	12.061	12.125	VV	43	858	0.27%	0.165%
152	12.132	12.125	12.201	VV	27	797	0.26%	0.154%
153	12.245	12.201	12.264	VV	25	701	0.22%	0.135%
154	12.281	12.264	12.308	VV	25	552	0.18%	0.106%
155	12.343	12.308	12.372	VV	32	712	0.23%	0.137%
156	12.382	12.372	12.396	VV	39	263	0.08%	0.051%
157	12.496	12.396	12.511	VV	25	1089	0.35%	0.210%
158	12.522	12.511	12.559	VV	22	445	0.14%	0.086%
159	12.587	12.559	12.623	VV	40	699	0.22%	0.135%
160	12.676	12.623	12.720	VV	30	1037	0.33%	0.200%
161	12.730	12.720	12.751	VV	26	342	0.11%	0.066%
162	12.790	12.751	12.800	VV	24	596	0.19%	0.115%
163	12.892	12.800	12.985	VV	37	2664	0.85%	0.514%
164	12.998	12.985	13.015	VV	32	502	0.16%	0.097%
165	13.058	13.015	13.093	VV	46	1722	0.55%	0.332%
166	13.107	13.093	13.127	VV	46	653	0.21%	0.126%
167	13.183	13.127	13.280	VV	84	4457	1.43%	0.859%
168	13.291	13.280	13.358	VV	29	1050	0.34%	0.202%
169	13.434	13.358	13.479	VV	42	1545	0.49%	0.298%
170	13.501	13.479	13.550	PV	41	1070	0.34%	0.206%
171	13.563	13.550	13.589	VV	35	491	0.16%	0.095%
172	13.611	13.589	13.661	VV	32	645	0.21%	0.124%
173	13.790	13.661	13.822	VV	37	1804	0.58%	0.348%
174	13.908	13.822	13.978	VV	76	4225	1.35%	0.814%
175	14.117	13.978	14.278	VV	261	23681	7.58%	4.565%
176	14.351	14.278	14.419	VV	59	3348	1.07%	0.645%
177	14.435	14.419	14.483	VV	27	697	0.22%	0.134%
178	14.524	14.483	14.548	VV	26	643	0.21%	0.124%
179	14.568	14.548	14.610	VV	18	478	0.15%	0.092%
180	14.641	14.610	14.660	VV	25	432	0.14%	0.083%
181	14.676	14.660	14.699	VV	16	269	0.09%	0.052%
182	14.713	14.699	14.727	VV	25	249	0.08%	0.048%
183	14.755	14.727	14.810	VV	33	690	0.22%	0.133%
184	14.827	14.810	14.955	VV	38	1561	0.50%	0.301%
185	15.076	14.955	15.117	VV	35	2202	0.70%	0.425%
186	15.138	15.117	15.158	VV	26	500	0.16%	0.096%
187	15.169	15.158	15.194	VV	28	490	0.16%	0.094%
188	15.211	15.194	15.292	VV	31	1389	0.44%	0.268%
189	15.409	15.292	15.476	VV	60	3974	1.27%	0.766%
190	15.516	15.476	15.534	VV	39	1135	0.36%	0.219%
191	15.546	15.534	15.584	VV	41	916	0.29%	0.177%
192	15.595	15.584	15.618	VV	28	475	0.15%	0.092%
193	15.631	15.618	15.644	VV	29	356	0.11%	0.069%
194	15.660	15.644	15.676	VV	28	384	0.12%	0.074%

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195	15.694	15.676	15.706	VV	23	376	0.12%	0.072%
196	15.725	15.706	15.756	VV	32	593	0.19%	0.114%
197	15.797	15.756	15.826	PV	27	487	0.16%	0.094%
198	15.879	15.826	15.904	VV	25	608	0.19%	0.117%
199	15.951	15.904	16.002	VV	31	1102	0.35%	0.212%
200	16.017	16.002	16.069	VV	31	444	0.14%	0.086%
201	16.117	16.069	16.133	VV	19	428	0.14%	0.082%
202	16.203	16.133	16.313	VV	108	5324	1.70%	1.026%
203	16.331	16.313	16.347	VV	12	158	0.05%	0.030%
204	16.378	16.347	16.403	VBA	31	481	0.15%	0.093%
			Sum of corrected areas:			518752		

FB011525.M Sat Feb 01 00:57:44 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:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-5.3-013025	SDG No.:	Q1241
Lab Sample ID:	Q1241-05	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	89.3 Decanted:
Sample Wt/Vol:	8.28 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
FB031418.D	1	01/31/25 12:18	FB013125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	8.00	J	5.00	30.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	16.6		50 - 150	83%	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\FB013125\
Data File : FB031418.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 12:18
Operator : YP/AJ
Sample : Q1241-05
Misc : 8.28G/5.00 ML DI WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
JPP-5.3-013025

Integration File: Calibration.e
Quant Time: Feb 01 00:15:41 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	8.793	396832	16.637 ng/ml
Target Compounds				

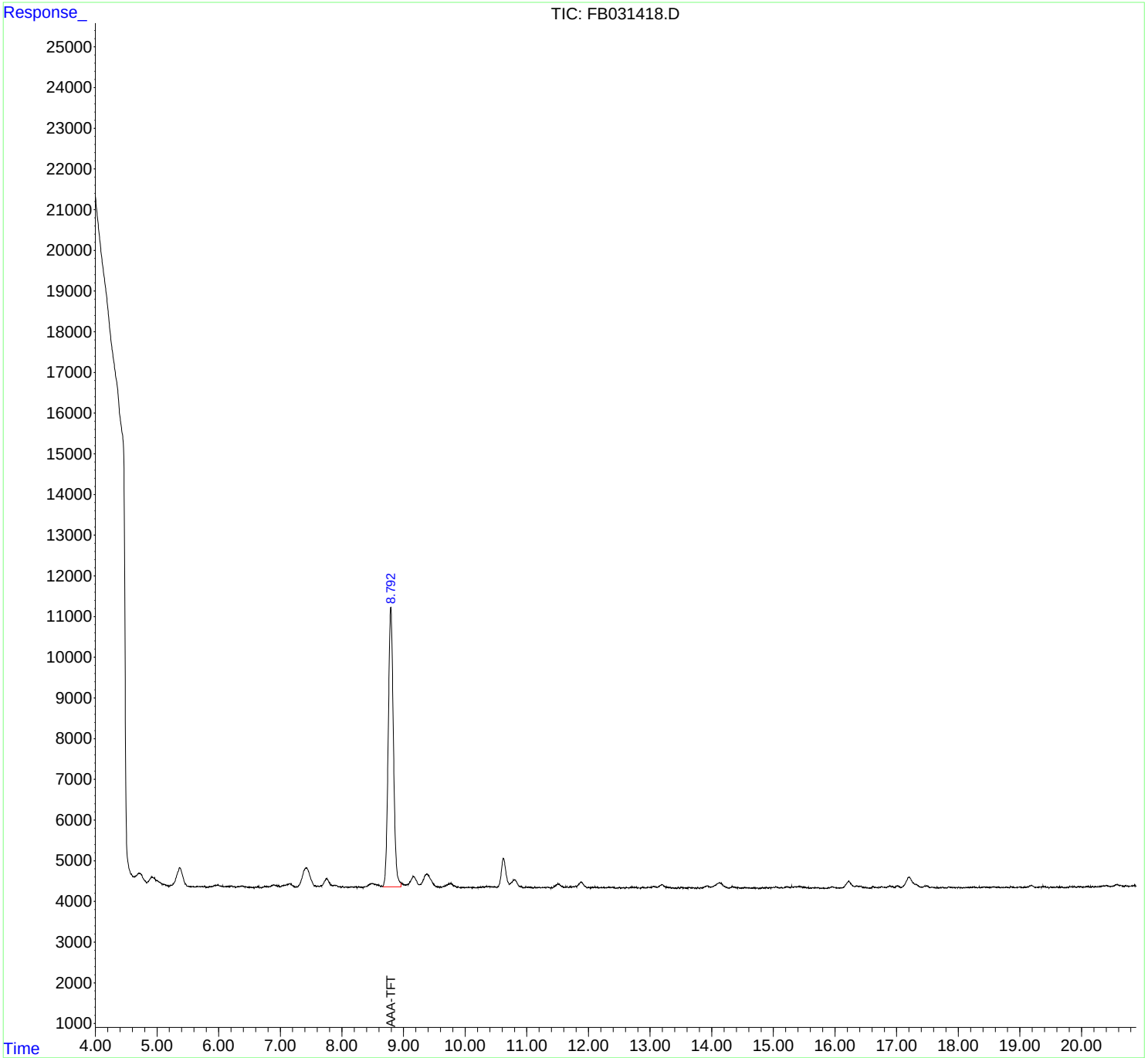
(f)=RT Delta > 1/2 Window (m)=manual int.

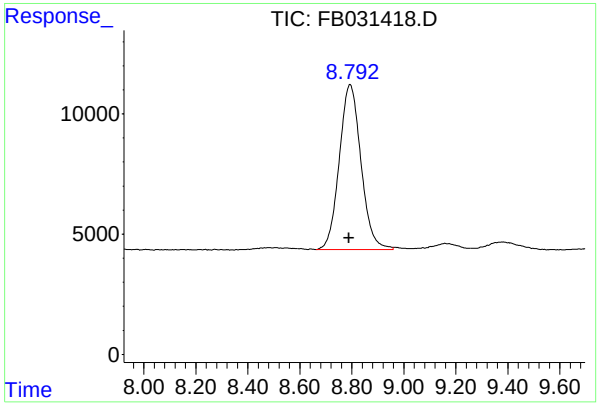
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013125\
Data File : FB031418.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 12:18
Operator : YP/AJ
Sample : Q1241-05
Misc : 8.28G/5.00 ML DI WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
JPP-5.3-013025

Integration File: Calibration.e
Quant Time: Feb 01 00:15:41 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.: 8.793 min
Delta R.T.: 0.004 mi
Response: 396832
Conc: 16.64 ng/m

Instrument :
FID_B
ClientSampleId :
JPP-5.3-013025

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013125\
Data File : FB031418.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 12:18
Sample : Q1241-05
Misc : 8.28G/5.00 ML DI WATER
ALS Vial : 7 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	4.706	4.587	4.835	BV	141	8449	2.07%	1.057%
2	5.046	5.039	5.111	VV	70	1850	0.45%	0.231%
3	5.117	5.111	5.167	VV	35	703	0.17%	0.088%
4	5.177	5.167	5.205	VV	28	219	0.05%	0.027%
5	5.220	5.205	5.244	PV	36	607	0.15%	0.076%
6	5.502	5.495	5.559	VV	20	469	0.11%	0.059%
7	5.568	5.559	5.576	VV	13	98	0.02%	0.012%
8	5.585	5.576	5.628	VV	13	261	0.06%	0.033%
9	5.656	5.628	5.678	VV	23	446	0.11%	0.056%
10	5.689	5.678	5.702	VV	23	235	0.06%	0.029%
11	5.717	5.702	5.755	VV	22	581	0.14%	0.073%
12	5.774	5.755	5.789	VV	41	417	0.10%	0.052%
13	5.797	5.789	5.805	VV	17	74	0.02%	0.009%
14	5.824	5.805	5.831	PV	11	110	0.03%	0.014%
15	5.852	5.831	5.863	VV	28	373	0.09%	0.047%
16	5.876	5.863	5.888	VV	27	337	0.08%	0.042%
17	5.896	5.888	5.904	VV	34	266	0.07%	0.033%
18	5.932	5.904	5.943	VV	57	965	0.24%	0.121%
19	5.949	5.943	5.974	VV	62	1054	0.26%	0.132%
20	5.993	5.974	6.011	VV	81	1327	0.32%	0.166%
21	6.017	6.011	6.059	VV	44	1098	0.27%	0.137%
22	6.070	6.059	6.082	VV	44	401	0.10%	0.050%
23	6.114	6.082	6.126	VV	33	649	0.16%	0.081%
24	6.141	6.126	6.149	VV	37	399	0.10%	0.050%
25	6.163	6.149	6.179	VV	39	587	0.14%	0.073%
26	6.206	6.179	6.213	VV	48	754	0.18%	0.094%
27	6.219	6.213	6.235	VV	50	453	0.11%	0.057%
28	6.262	6.235	6.279	VV	38	656	0.16%	0.082%
29	6.318	6.279	6.338	VV	38	935	0.23%	0.117%
30	6.382	6.338	6.426	VV	50	1947	0.48%	0.244%
31	6.435	6.426	6.478	VV	39	733	0.18%	0.092%
32	6.485	6.478	6.513	VV	19	328	0.08%	0.041%
33	6.521	6.513	6.539	VV	23	267	0.07%	0.033%
34	6.571	6.539	6.586	VV	23	363	0.09%	0.045%
35	6.598	6.586	6.623	VV	32	501	0.12%	0.063%
36	6.633	6.623	6.642	VV	40	266	0.07%	0.033%

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37	6.651	6.642	6.667	VV	48	330	0.08%	0.041%
38	6.679	6.667	6.705	PV	24	293	0.07%	0.037%
39	6.750	6.705	6.777	VV	58	1378	0.34%	0.172%
40	6.786	6.777	6.808	VV	48	645	0.16%	0.081%
41	6.823	6.808	6.840	VV	43	680	0.17%	0.085%
42	6.895	6.840	6.955	VV	85	4397	1.08%	0.550%
43	6.967	6.955	7.003	VV	67	1338	0.33%	0.167%
44	7.040	7.003	7.050	VV	71	1442	0.35%	0.180%
45	7.064	7.050	7.089	VV	68	1595	0.39%	0.199%
46	7.156	7.089	7.232	VV	115	7039	1.72%	0.880%
47	7.239	7.232	7.266	VV	40	589	0.14%	0.074%
48	7.280	7.266	7.286	VV	40	390	0.10%	0.049%
49	7.418	7.286	7.606	VV	504	45788	11.21%	5.726%
50	7.612	7.606	7.634	VV	54	770	0.19%	0.096%
51	7.666	7.634	7.673	VV	71	1252	0.31%	0.157%
52	7.757	7.673	7.827	VV	244	14024	3.43%	1.754%
53	7.834	7.827	7.842	VV	75	637	0.16%	0.080%
54	7.846	7.842	7.866	VV	66	893	0.22%	0.112%
55	7.887	7.866	7.898	VV	77	1339	0.33%	0.167%
56	7.911	7.898	7.957	VV	71	1864	0.46%	0.233%
57	7.977	7.957	7.989	VV	42	610	0.15%	0.076%
58	8.008	7.989	8.038	VV	47	859	0.21%	0.107%
59	8.055	8.038	8.074	VV	37	596	0.15%	0.075%
60	8.083	8.074	8.101	VV	34	432	0.11%	0.054%
61	8.124	8.101	8.132	VV	32	500	0.12%	0.062%
62	8.149	8.132	8.163	VV	41	612	0.15%	0.076%
63	8.171	8.163	8.199	VV	36	606	0.15%	0.076%
64	8.212	8.199	8.228	VV	42	533	0.13%	0.067%
65	8.236	8.228	8.246	VV	40	355	0.09%	0.044%
66	8.251	8.246	8.261	VV	26	222	0.05%	0.028%
67	8.274	8.261	8.292	VV	47	576	0.14%	0.072%
68	8.299	8.292	8.308	VV	35	267	0.07%	0.033%
69	8.320	8.308	8.346	VV	32	548	0.13%	0.068%
70	8.356	8.346	8.363	VV	37	281	0.07%	0.035%
71	8.452	8.363	8.470	VV	102	4130	1.01%	0.516%
72	8.486	8.470	8.495	VV	118	1684	0.41%	0.211%
73	8.503	8.495	8.535	VV	121	2575	0.63%	0.322%
74	8.544	8.535	8.631	VV	105	4489	1.10%	0.561%
75	8.642	8.631	8.662	VV	65	946	0.23%	0.118%
76	8.793	8.662	9.041	VV	6905	408360	100.00%	51.063%
77	9.157	9.041	9.257	VV	300	22582	5.53%	2.824%
78	9.385	9.257	9.526	VV	353	32601	7.98%	4.077%
79	9.533	9.526	9.550	VV	47	596	0.15%	0.074%
80	9.572	9.550	9.595	VV	43	953	0.23%	0.119%
81	9.603	9.595	9.614	VV	44	376	0.09%	0.047%
82	9.675	9.614	9.683	VV	65	1961	0.48%	0.245%
83	9.730	9.683	9.739	VV	121	2866	0.70%	0.358%
84	9.746	9.739	9.750	VV	112	707	0.17%	0.088%
85	9.768	9.750	9.842	VV	133	5024	1.23%	0.628%
86	9.850	9.842	9.877	VV	50	783	0.19%	0.098%
87	9.887	9.877	9.917	VV	44	691	0.17%	0.086%
88	9.931	9.917	9.937	VV	25	220	0.05%	0.028%
89	9.953	9.937	9.965	VV	37	441	0.11%	0.055%

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90	9.976	9.965	10.014	VV	33	623	0.15%	0.078%
91	10.028	10.014	10.043	VV	29	414	0.10%	0.052%
92	10.055	10.043	10.063	VV	37	364	0.09%	0.046%
93	10.076	10.063	10.099	VV	31	563	0.14%	0.070%
94	10.104	10.099	10.118	VV	27	258	0.06%	0.032%
95	10.145	10.118	10.171	VV	33	697	0.17%	0.087%
96	10.176	10.171	10.185	VV	24	145	0.04%	0.018%
97	10.245	10.185	10.267	VV	40	1292	0.32%	0.162%
98	10.280	10.267	10.301	VV	51	740	0.18%	0.093%
99	10.344	10.301	10.360	VV	54	1393	0.34%	0.174%
100	10.390	10.360	10.408	VV	54	1293	0.32%	0.162%
101	10.425	10.408	10.433	VV	44	587	0.14%	0.073%
102	10.441	10.433	10.468	VV	44	781	0.19%	0.098%
103	10.478	10.468	10.489	VV	50	503	0.12%	0.063%
104	10.502	10.489	10.514	VV	41	504	0.12%	0.063%
105	10.621	10.514	10.716	VV	741	39772	9.74%	4.973%
106	10.799	10.716	10.905	VV	219	15573	3.81%	1.947%
107	10.914	10.905	10.945	VV	58	816	0.20%	0.102%
108	10.954	10.945	10.972	VV	30	383	0.09%	0.048%
109	10.991	10.972	11.009	VV	40	639	0.16%	0.080%
110	11.027	11.009	11.072	VV	39	1152	0.28%	0.144%
111	11.080	11.072	11.106	VV	31	422	0.10%	0.053%
112	11.111	11.106	11.118	VV	23	121	0.03%	0.015%
113	11.131	11.118	11.141	VV	46	370	0.09%	0.046%
114	11.160	11.141	11.185	VV	29	588	0.14%	0.074%
115	11.201	11.185	11.227	VV	37	593	0.15%	0.074%
116	11.266	11.227	11.278	VV	32	744	0.18%	0.093%
117	11.295	11.278	11.310	VV	38	451	0.11%	0.056%
118	11.329	11.310	11.376	VV	43	1085	0.27%	0.136%
119	11.385	11.376	11.414	VV	25	475	0.12%	0.059%
120	11.506	11.414	11.521	VV	132	4518	1.11%	0.565%
121	11.529	11.521	11.567	VV	115	2269	0.56%	0.284%
122	11.576	11.567	11.599	VV	61	854	0.21%	0.107%
123	11.614	11.599	11.624	VV	38	492	0.12%	0.062%
124	11.634	11.624	11.643	VV	47	391	0.10%	0.049%
125	11.652	11.643	11.681	VV	46	769	0.19%	0.096%
126	11.698	11.681	11.707	VV	56	578	0.14%	0.072%
127	11.717	11.707	11.728	VV	64	557	0.14%	0.070%
128	11.763	11.728	11.774	VV	51	1166	0.29%	0.146%
129	11.791	11.774	11.808	VV	69	1085	0.27%	0.136%
130	11.879	11.808	11.980	VV	165	9712	2.38%	1.214%
131	11.989	11.980	11.996	VV	31	235	0.06%	0.029%
132	12.006	11.996	12.040	VV	36	661	0.16%	0.083%
133	12.066	12.040	12.093	VV	41	955	0.23%	0.119%
134	12.109	12.093	12.128	VV	44	671	0.16%	0.084%
135	12.143	12.128	12.169	VV	38	731	0.18%	0.091%
136	12.177	12.169	12.184	VV	26	194	0.05%	0.024%
137	12.212	12.184	12.225	VV	35	622	0.15%	0.078%
138	12.244	12.225	12.254	VV	40	457	0.11%	0.057%
139	12.258	12.254	12.286	VV	30	454	0.11%	0.057%
140	12.296	12.286	12.312	VV	32	394	0.10%	0.049%
141	12.325	12.312	12.345	VV	42	626	0.15%	0.078%

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142	12.358	12.345	12.374	VV	38	528	0.13%	0.066%
143	12.391	12.374	12.415	VV	35	722	0.18%	0.090%
144	12.424	12.415	12.442	VV	31	308	0.08%	0.038%
145	12.508	12.442	12.527	VV	30	1021	0.25%	0.128%
146	12.549	12.527	12.559	VV	27	336	0.08%	0.042%
147	12.573	12.559	12.592	VV	33	425	0.10%	0.053%
148	12.617	12.592	12.651	VV	39	805	0.20%	0.101%
149	12.702	12.651	12.715	VV	49	1157	0.28%	0.145%
150	12.720	12.715	12.730	VV	44	312	0.08%	0.039%
151	12.743	12.730	12.752	VV	45	436	0.11%	0.054%
152	12.764	12.752	12.793	VV	43	735	0.18%	0.092%
153	12.805	12.793	12.853	VV	35	679	0.17%	0.085%
154	12.879	12.853	12.890	VV	43	617	0.15%	0.077%
155	12.899	12.890	12.921	VV	41	494	0.12%	0.062%
156	12.957	12.921	13.001	VV	37	1313	0.32%	0.164%
157	13.011	13.001	13.025	VV	38	452	0.11%	0.057%
158	13.057	13.025	13.089	VV	60	1847	0.45%	0.231%
159	13.100	13.089	13.115	VV	44	570	0.14%	0.071%
160	13.189	13.115	13.196	VV	97	3239	0.79%	0.405%
161	13.204	13.196	13.301	VV	105	3442	0.84%	0.430%
162	13.311	13.301	13.350	VV	41	773	0.19%	0.097%
163	13.369	13.350	13.391	VV	30	486	0.12%	0.061%
164	13.397	13.391	13.403	VV	24	122	0.03%	0.015%
165	13.411	13.403	13.429	VV	31	270	0.07%	0.034%
166	13.461	13.429	13.478	VV	41	631	0.15%	0.079%
167	13.503	13.478	13.516	VV	48	596	0.15%	0.075%
168	13.526	13.516	13.538	VV	43	392	0.10%	0.049%
169	13.547	13.538	13.556	VV	29	232	0.06%	0.029%
170	13.570	13.556	13.595	VV	30	464	0.11%	0.058%
171	13.604	13.595	13.613	VV	29	160	0.04%	0.020%
172	13.627	13.613	13.665	VV	38	828	0.20%	0.104%
173	13.704	13.665	13.725	VV	31	828	0.20%	0.103%
174	13.735	13.725	13.750	VV	29	283	0.07%	0.035%
175	13.775	13.750	13.807	VV	40	674	0.16%	0.084%
176	13.818	13.807	13.842	VV	31	463	0.11%	0.058%
177	13.920	13.842	13.928	VV	73	2309	0.57%	0.289%
178	13.937	13.928	13.993	VV	76	2125	0.52%	0.266%
179	14.001	13.993	14.008	VV	48	419	0.10%	0.052%
180	14.125	14.008	14.147	VV	150	8711	2.13%	1.089%
181	14.158	14.147	14.234	VV	138	4446	1.09%	0.556%
182	14.246	14.234	14.265	VV	45	546	0.13%	0.068%
183	14.276	14.265	14.288	VV	24	255	0.06%	0.032%
184	14.302	14.288	14.311	VV	35	359	0.09%	0.045%
185	14.336	14.311	14.362	VV	64	1381	0.34%	0.173%
186	14.370	14.362	14.381	VV	50	447	0.11%	0.056%
187	14.392	14.381	14.405	VV	43	481	0.12%	0.060%
188	14.428	14.405	14.453	VV	42	841	0.21%	0.105%
189	14.463	14.453	14.487	VV	26	367	0.09%	0.046%
190	14.500	14.487	14.513	VV	31	346	0.08%	0.043%
191	14.543	14.513	14.554	VV	38	697	0.17%	0.087%
192	14.561	14.554	14.577	VV	34	377	0.09%	0.047%
193	14.582	14.577	14.589	VV	29	172	0.04%	0.022%
194	14.598	14.589	14.627	VV	33	553	0.14%	0.069%

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195	14.657	14.627	14.671	VV	28	524	0.13%	0.066%
196	14.680	14.671	14.702	VV	35	438	0.11%	0.055%
197	14.709	14.702	14.735	VV	26	399	0.10%	0.050%
198	14.746	14.735	14.759	VV	29	279	0.07%	0.035%
199	14.785	14.759	14.793	PV	19	263	0.06%	0.033%
200	14.822	14.793	14.836	VV	29	562	0.14%	0.070%
201	14.846	14.836	14.856	VV	25	250	0.06%	0.031%
202	14.866	14.856	14.879	VV	41	393	0.10%	0.049%
203	14.888	14.879	14.911	VV	33	495	0.12%	0.062%
204	14.937	14.911	14.957	VV	36	705	0.17%	0.088%
205	14.972	14.957	14.984	VV	38	452	0.11%	0.057%
206	15.011	14.984	15.025	VV	42	803	0.20%	0.100%
207	15.039	15.025	15.061	VV	53	937	0.23%	0.117%
208	15.068	15.061	15.078	VV	40	341	0.08%	0.043%
209	15.089	15.078	15.103	VV	30	349	0.09%	0.044%
210	15.119	15.103	15.128	VV	37	370	0.09%	0.046%
211	15.138	15.128	15.158	VV	36	433	0.11%	0.054%
212	15.209	15.158	15.220	VV	53	1177	0.29%	0.147%
213	15.229	15.220	15.235	VV	53	374	0.09%	0.047%
214	15.241	15.235	15.256	VV	44	508	0.12%	0.063%
215	15.265	15.256	15.282	VV	41	451	0.11%	0.056%
216	15.296	15.282	15.326	VV	61	1031	0.25%	0.129%
217	15.346	15.326	15.362	VV	51	938	0.23%	0.117%
218	15.368	15.362	15.379	VV	53	498	0.12%	0.062%
219	15.395	15.379	15.403	VV	53	654	0.16%	0.082%
220	15.412	15.403	15.484	VV	64	2289	0.56%	0.286%
221	15.498	15.484	15.548	VV	52	1252	0.31%	0.157%
222	15.556	15.548	15.589	VV	32	501	0.12%	0.063%
223	15.606	15.589	15.618	VV	23	245	0.06%	0.031%
224	15.634	15.618	15.668	VV	25	529	0.13%	0.066%
225	15.688	15.668	15.696	VV	24	315	0.08%	0.039%
226	15.722	15.696	15.755	VV	29	666	0.16%	0.083%
227	15.768	15.755	15.790	VV	14	137	0.03%	0.017%
228	15.808	15.790	15.832	VV	16	253	0.06%	0.032%
229	15.844	15.832	15.871	VV	10	114	0.03%	0.014%
230	15.898	15.871	15.913	PV	29	360	0.09%	0.045%
231	15.949	15.913	15.963	VV	40	896	0.22%	0.112%
232	15.968	15.963	15.992	VV	38	503	0.12%	0.063%
233	16.002	15.992	16.038	VV	27	416	0.10%	0.052%
234	16.055	16.038	16.067	VV	10	115	0.03%	0.014%
235	16.077	16.067	16.082	PV	11	54	0.01%	0.007%
236	16.091	16.082	16.102	VV	20	119	0.03%	0.015%
237	16.115	16.102	16.123	PV	15	95	0.02%	0.012%
238	16.225	16.123	16.317	VV	162	8618	2.11%	1.078%
239	16.348	16.317	16.361	VV	28	390	0.10%	0.049%
240	16.368	16.361	16.388	VV	24	180	0.04%	0.022%

Sum of corrected areas: 799713

FB011525.M Sat Feb 01 00:58:41 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:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-5.2-013025	SDG No.:	Q1241
Lab Sample ID:	Q1241-09	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	87.3 Decanted:
Sample Wt/Vol:	5.48 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
FB031433.D	1	01/31/25 19:52	FB013125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	39.0	J	8.00	47.0	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\FB013125\
Data File : FB031433.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 19:52
Operator : YP/AJ
Sample : Q1241-09
Misc : 5.48G/5.00 ML DI WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
JPP-5.2-013025

Integration File: Calibration.e
Quant Time: Feb 01 00:17:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
5) s	AAA-TFT	8.794	444455	18.633 ng/ml
	Target Compounds			

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

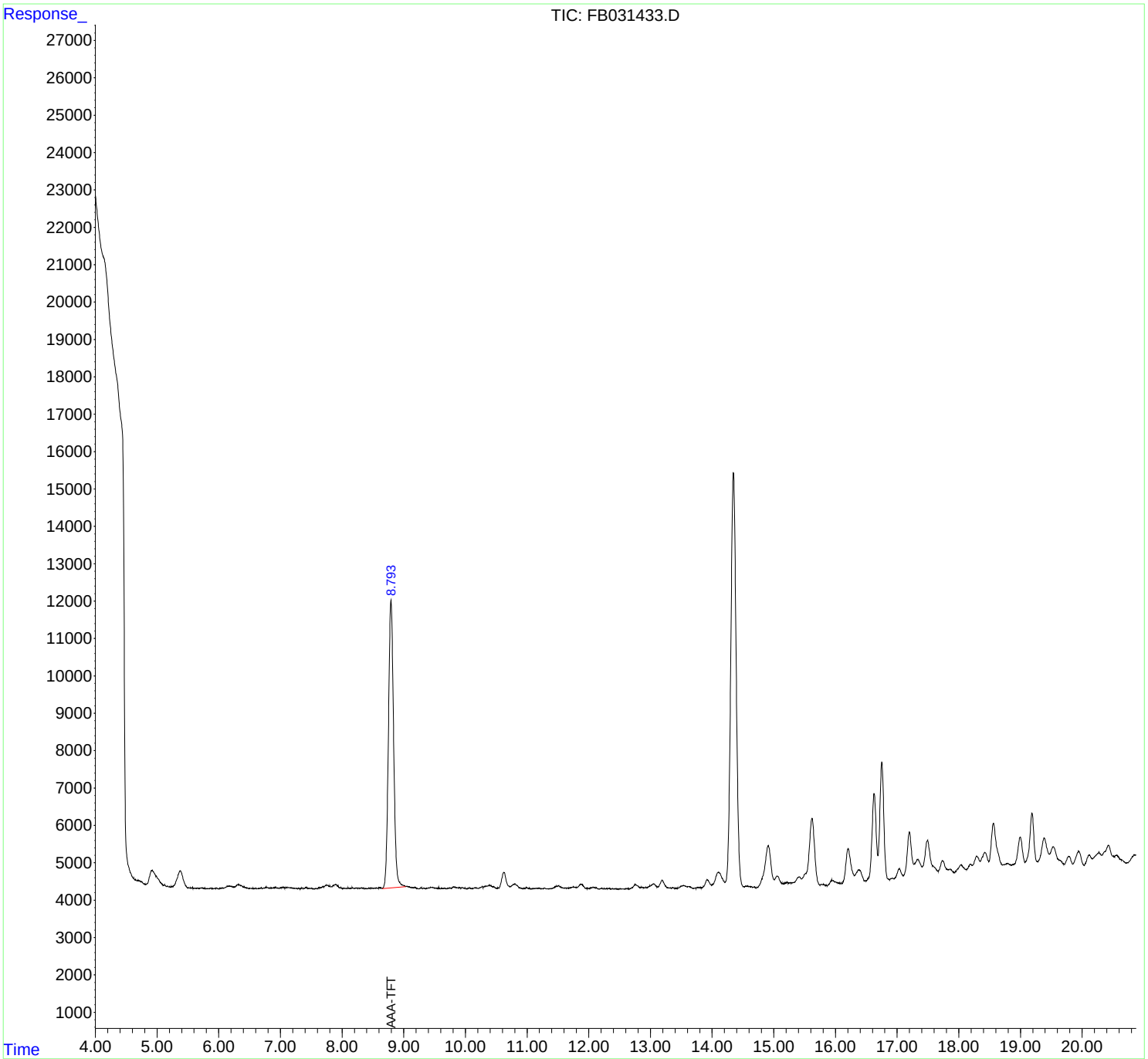
Quantitation Report (QT Reviewed)

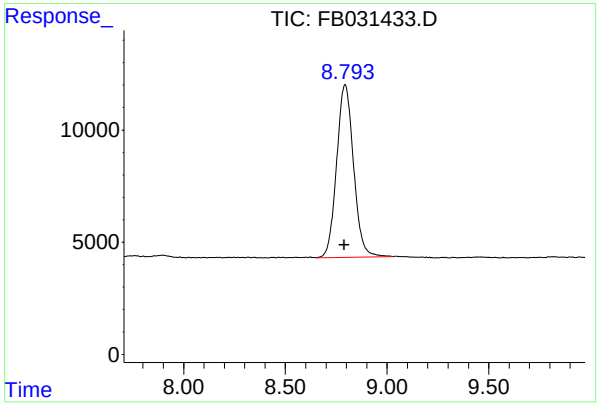
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013125\
Data File : FB031433.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 19:52
Operator : YP/AJ
Sample : Q1241-09
Misc : 5.48G/5.00 ML DI WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
JPP-5.2-013025

Integration File: Calibration.e
Quant Time: Feb 01 00:17:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#5 AAA-TFT

R.T.: 8.794 min
Delta R.T.: 0.005 mi
Response: 444455
Conc: 18.63 ng/m

Instrument :
FID_B
ClientSampleId :
JPP-5.2-013025

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013125\
Data File : FB031433.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 19:52
Sample : Q1241-09
Misc : 5.48G/5.00 ML DI WATER
ALS Vial : 24 Sample Multiplier: 1

Integration File: SAMPLE.e

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

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.685	4.637	4.694	BV	12	109	0.02%	0.006%
2	4.701	4.694	4.818	VV	24	968	0.14%	0.054%
3	5.122	5.111	5.160	VV	51	866	0.13%	0.048%
4	5.170	5.160	5.191	VV	29	314	0.05%	0.017%
5	5.201	5.191	5.215	VV	22	134	0.02%	0.007%
6	5.225	5.215	5.235	PV	13	115	0.02%	0.006%
7	5.507	5.496	5.530	VV	19	194	0.03%	0.011%
8	5.541	5.530	5.563	VV	13	101	0.01%	0.006%
9	5.574	5.563	5.600	VV	31	260	0.04%	0.014%
10	5.607	5.600	5.632	VV	10	134	0.02%	0.007%
11	5.655	5.632	5.676	VV	19	243	0.04%	0.014%
12	5.726	5.676	5.737	PV	29	527	0.08%	0.029%
13	5.745	5.737	5.770	VV	30	271	0.04%	0.015%
14	5.776	5.770	5.785	PV	27	92	0.01%	0.005%
15	5.824	5.785	5.835	VV	17	130	0.02%	0.007%
16	5.870	5.835	5.888	VV	25	369	0.05%	0.021%
17	5.896	5.888	5.913	PV	14	146	0.02%	0.008%
18	5.951	5.913	5.977	VV	31	652	0.10%	0.036%
19	5.984	5.977	5.997	VV	21	155	0.02%	0.009%
20	6.015	5.997	6.022	PV	16	166	0.02%	0.009%
21	6.033	6.022	6.046	VV	29	303	0.04%	0.017%
22	6.054	6.046	6.063	VV	38	297	0.04%	0.017%
23	6.138	6.063	6.147	VV	84	2245	0.33%	0.125%
24	6.158	6.147	6.202	VV	84	2539	0.37%	0.141%
25	6.207	6.202	6.252	VV	81	1901	0.28%	0.106%
26	6.300	6.252	6.312	VV	121	3040	0.45%	0.169%
27	6.322	6.312	6.404	VV	129	5223	0.77%	0.291%
28	6.414	6.404	6.439	VV	71	1053	0.16%	0.059%
29	6.446	6.439	6.489	VV	45	802	0.12%	0.045%
30	6.501	6.489	6.507	VV	22	197	0.03%	0.011%
31	6.529	6.507	6.544	VV	22	410	0.06%	0.023%
32	6.551	6.544	6.579	VV	29	344	0.05%	0.019%
33	6.600	6.579	6.609	VV	28	273	0.04%	0.015%
34	6.614	6.609	6.619	VV	13	63	0.01%	0.004%
35	6.694	6.619	6.706	VV	42	1043	0.15%	0.058%
36	6.730	6.706	6.739	VV	33	474	0.07%	0.026%

rteres

37	6.768	6.739	6.833	VV	67	2132	0.31%	0.119%
38	6.853	6.833	6.861	VV	43	490	0.07%	0.027%
39	6.873	6.861	6.881	VV	35	390	0.06%	0.022%
40	6.893	6.881	6.901	VV	44	445	0.07%	0.025%
41	6.914	6.901	6.959	VV	60	1251	0.18%	0.070%
42	6.967	6.959	6.982	VV	28	326	0.05%	0.018%
43	7.001	6.982	7.010	VV	43	520	0.08%	0.029%
44	7.018	7.010	7.026	VV	43	361	0.05%	0.020%
45	7.059	7.026	7.096	VV	59	1684	0.25%	0.094%
46	7.107	7.096	7.121	VV	49	638	0.09%	0.036%
47	7.141	7.121	7.158	VV	50	918	0.14%	0.051%
48	7.173	7.158	7.188	VV	47	641	0.09%	0.036%
49	7.194	7.188	7.218	VV	33	533	0.08%	0.030%
50	7.227	7.218	7.239	VV	28	279	0.04%	0.016%
51	7.255	7.239	7.279	VV	30	446	0.07%	0.025%
52	7.298	7.279	7.315	VV	33	336	0.05%	0.019%
53	7.357	7.315	7.376	VV	34	888	0.13%	0.049%
54	7.383	7.376	7.396	VV	25	251	0.04%	0.014%
55	7.410	7.396	7.417	VV	49	472	0.07%	0.026%
56	7.426	7.417	7.462	VV	56	879	0.13%	0.049%
57	7.470	7.462	7.480	VV	28	241	0.04%	0.013%
58	7.491	7.480	7.499	VV	25	233	0.03%	0.013%
59	7.511	7.499	7.555	VV	35	486	0.07%	0.027%
60	7.565	7.555	7.577	VV	21	172	0.03%	0.010%
61	7.596	7.577	7.605	VV	21	272	0.04%	0.015%
62	7.635	7.605	7.644	VV	56	777	0.11%	0.043%
63	7.760	7.644	7.790	VV	111	6757	0.99%	0.376%
64	7.803	7.790	7.819	VV	88	1264	0.19%	0.070%
65	7.899	7.819	7.972	VV	134	7927	1.17%	0.441%
66	7.982	7.972	7.992	VV	60	503	0.07%	0.028%
67	7.997	7.992	8.013	VV	30	269	0.04%	0.015%
68	8.026	8.013	8.038	VV	36	366	0.05%	0.020%
69	8.049	8.038	8.060	VV	33	315	0.05%	0.018%
70	8.073	8.060	8.085	VV	25	331	0.05%	0.018%
71	8.100	8.085	8.128	VV	36	652	0.10%	0.036%
72	8.137	8.128	8.153	VV	29	372	0.05%	0.021%
73	8.165	8.153	8.194	VV	44	730	0.11%	0.041%
74	8.204	8.194	8.211	VV	29	248	0.04%	0.014%
75	8.220	8.211	8.237	VV	35	474	0.07%	0.026%
76	8.249	8.237	8.261	VV	39	454	0.07%	0.025%
77	8.267	8.261	8.279	VV	35	320	0.05%	0.018%
78	8.291	8.279	8.302	VV	37	391	0.06%	0.022%
79	8.322	8.302	8.333	VV	44	590	0.09%	0.033%
80	8.343	8.333	8.394	VV	39	802	0.12%	0.045%
81	8.404	8.394	8.413	VV	23	192	0.03%	0.011%
82	8.438	8.413	8.456	VV	34	621	0.09%	0.035%
83	8.469	8.456	8.481	VV	43	466	0.07%	0.026%
84	8.490	8.481	8.503	VV	36	346	0.05%	0.019%
85	8.551	8.503	8.580	VV	43	1357	0.20%	0.076%
86	8.603	8.580	8.614	VV	42	720	0.11%	0.040%
87	8.623	8.614	8.651	VV	49	722	0.11%	0.040%
88	8.794	8.651	9.031	VV	7739	454920	66.99%	25.323%
89	9.050	9.031	9.159	VV	85	4701	0.69%	0.262%

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90	9.174	9.159	9.187	VV	57	724	0.11%	0.040%
91	9.195	9.187	9.237	VV	49	846	0.12%	0.047%
92	9.247	9.237	9.254	VV	21	160	0.02%	0.009%
93	9.291	9.254	9.304	VV	42	825	0.12%	0.046%
94	9.323	9.304	9.349	VV	36	660	0.10%	0.037%
95	9.374	9.349	9.386	VV	30	532	0.08%	0.030%
96	9.437	9.386	9.449	VV	56	1549	0.23%	0.086%
97	9.463	9.449	9.519	VV	53	1769	0.26%	0.098%
98	9.535	9.519	9.560	VV	38	678	0.10%	0.038%
99	9.570	9.560	9.587	VV	44	397	0.06%	0.022%
100	9.671	9.587	9.695	VV	32	1486	0.22%	0.083%
101	9.726	9.695	9.734	VV	36	637	0.09%	0.035%
102	9.750	9.734	9.778	VV	45	905	0.13%	0.050%
103	9.796	9.778	9.803	VV	66	744	0.11%	0.041%
104	9.812	9.803	9.846	VV	66	1485	0.22%	0.083%
105	9.862	9.846	9.886	VV	52	1036	0.15%	0.058%
106	9.897	9.886	9.907	VV	53	572	0.08%	0.032%
107	9.914	9.907	9.931	VV	51	601	0.09%	0.033%
108	9.949	9.931	9.981	VV	53	1200	0.18%	0.067%
109	9.990	9.981	10.032	VV	36	697	0.10%	0.039%
110	10.042	10.032	10.051	VV	37	278	0.04%	0.015%
111	10.061	10.051	10.082	VV	39	581	0.09%	0.032%
112	10.087	10.082	10.118	VV	32	533	0.08%	0.030%
113	10.149	10.118	10.164	VV	45	987	0.15%	0.055%
114	10.174	10.164	10.187	VV	52	558	0.08%	0.031%
115	10.196	10.187	10.215	VV	35	489	0.07%	0.027%
116	10.275	10.215	10.285	VV	85	2182	0.32%	0.121%
117	10.327	10.285	10.346	VV	95	2828	0.42%	0.157%
118	10.369	10.346	10.376	VV	101	1625	0.24%	0.090%
119	10.388	10.376	10.444	VV	127	3793	0.56%	0.211%
120	10.454	10.444	10.513	VV	77	2081	0.31%	0.116%
121	10.534	10.513	10.545	VV	47	703	0.10%	0.039%
122	10.627	10.545	10.735	VV	460	25003	3.68%	1.392%
123	10.779	10.735	10.789	VV	138	3521	0.52%	0.196%
124	10.806	10.789	10.875	VV	152	5516	0.81%	0.307%
125	10.881	10.875	10.908	VV	57	811	0.12%	0.045%
126	10.915	10.908	10.941	VV	36	533	0.08%	0.030%
127	10.952	10.941	10.966	VV	36	420	0.06%	0.023%
128	10.996	10.966	11.018	VV	56	1244	0.18%	0.069%
129	11.025	11.018	11.031	VV	35	222	0.03%	0.012%
130	11.038	11.031	11.076	VV	42	569	0.08%	0.032%
131	11.148	11.076	11.158	VV	35	1140	0.17%	0.063%
132	11.184	11.158	11.194	VV	34	659	0.10%	0.037%
133	11.205	11.194	11.234	VV	41	578	0.09%	0.032%
134	11.284	11.234	11.351	VV	40	1554	0.23%	0.087%
135	11.381	11.351	11.393	VV	30	537	0.08%	0.030%
136	11.405	11.393	11.411	VV	31	293	0.04%	0.016%
137	11.478	11.411	11.486	VV	94	2772	0.41%	0.154%
138	11.515	11.486	11.603	VV	106	4569	0.67%	0.254%
139	11.616	11.603	11.638	VV	51	817	0.12%	0.046%
140	11.651	11.638	11.672	VV	48	716	0.11%	0.040%
141	11.749	11.672	11.788	VV	70	3643	0.54%	0.203%

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142	11.793	11.788	11.812	VV	61	756	0.11%	0.042%
143	11.867	11.812	11.959	VV	148	8028	1.18%	0.447%
144	11.968	11.959	11.979	VV	38	331	0.05%	0.018%
145	11.989	11.979	12.001	VV	40	386	0.06%	0.021%
146	12.011	12.001	12.019	VV	34	283	0.04%	0.016%
147	12.037	12.019	12.055	VV	58	951	0.14%	0.053%
148	12.069	12.055	12.085	VV	66	1030	0.15%	0.057%
149	12.094	12.085	12.156	VV	64	1650	0.24%	0.092%
150	12.220	12.156	12.232	VV	37	1007	0.15%	0.056%
151	12.247	12.232	12.258	VV	34	293	0.04%	0.016%
152	12.338	12.258	12.374	VV	34	1444	0.21%	0.080%
153	12.388	12.374	12.405	VV	28	313	0.05%	0.017%
154	12.416	12.405	12.424	VV	21	190	0.03%	0.011%
155	12.434	12.424	12.445	VV	31	234	0.03%	0.013%
156	12.455	12.445	12.466	VV	30	209	0.03%	0.012%
157	12.477	12.466	12.492	PV	24	234	0.03%	0.013%
158	12.506	12.492	12.514	VV	31	241	0.04%	0.013%
159	12.524	12.514	12.538	VV	20	221	0.03%	0.012%
160	12.559	12.538	12.584	VV	17	364	0.05%	0.020%
161	12.595	12.584	12.605	VV	24	219	0.03%	0.012%
162	12.617	12.605	12.627	VV	28	262	0.04%	0.015%
163	12.637	12.627	12.657	VV	32	303	0.04%	0.017%
164	12.702	12.657	12.709	VV	55	938	0.14%	0.052%
165	12.753	12.709	12.836	VV	144	6881	1.01%	0.383%
166	12.846	12.836	12.862	VV	63	787	0.12%	0.044%
167	12.870	12.862	12.888	VV	55	773	0.11%	0.043%
168	12.896	12.888	12.912	VV	50	599	0.09%	0.033%
169	12.923	12.912	12.940	VV	63	802	0.12%	0.045%
170	13.048	12.940	13.119	VV	147	10019	1.48%	0.558%
171	13.191	13.119	13.309	VV	246	13063	1.92%	0.727%
172	13.321	13.309	13.339	VV	40	527	0.08%	0.029%
173	13.379	13.339	13.394	VV	38	909	0.13%	0.051%
174	13.417	13.394	13.431	VV	23	331	0.05%	0.018%
175	13.543	13.431	13.591	VV	97	6020	0.89%	0.335%
176	13.630	13.591	13.710	VV	65	2994	0.44%	0.167%
177	13.757	13.710	13.769	VV	45	890	0.13%	0.050%
178	13.783	13.769	13.794	VV	46	501	0.07%	0.028%
179	13.810	13.794	13.820	VV	51	580	0.09%	0.032%
180	13.826	13.820	13.834	VV	41	260	0.04%	0.014%
181	13.922	13.834	13.993	VV	247	13309	1.96%	0.741%
182	14.007	13.993	14.014	VV	114	1349	0.20%	0.075%
183	14.105	14.014	14.208	VV	445	34867	5.13%	1.941%
184	14.347	14.208	14.529	VV	11128	679064	100.00%	37.800%
185	14.544	14.529	14.571	VV	66	1470	0.22%	0.082%
186	14.582	14.571	14.623	VV	71	1644	0.24%	0.092%
187	14.636	14.623	14.652	VV	52	755	0.11%	0.042%
188	14.660	14.652	14.674	VV	41	418	0.06%	0.023%
189	14.691	14.674	14.716	VV	43	659	0.10%	0.037%
190	14.910	14.716	15.010	PV	1145	83535	12.30%	4.650%
191	15.052	15.010	15.141	VV	327	18585	2.74%	1.035%
192	15.150	15.141	15.160	VV	134	1345	0.20%	0.075%
193	15.217	15.160	15.249	VV	156	7223	1.06%	0.402%
194	15.261	15.249	15.269	VV	150	1657	0.24%	0.092%

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195	15.281	15.269	15.300	VV	148	2548	0.38%	0.142%
196	15.417	15.300	15.453	VV	299	20201	2.97%	1.124%
197	15.622	15.453	15.753	VV	1856	130302	19.19%	7.253%
198	15.767	15.753	15.787	VV	91	1688	0.25%	0.094%
199	15.808	15.787	15.837	VV	88	2209	0.33%	0.123%
200	15.846	15.837	15.867	VV	67	1002	0.15%	0.056%
201	15.943	15.867	15.993	VV	193	10345	1.52%	0.576%
202	15.999	15.993	16.050	VV	152	4508	0.66%	0.251%
203	16.061	16.050	16.082	VV	121	2069	0.30%	0.115%
204	16.093	16.082	16.105	VV	124	1504	0.22%	0.084%
205	16.208	16.105	16.305	VV	1037	66408	9.78%	3.697%
206	16.387	16.305	16.403	VBA	464	23699	3.49%	1.319%

Sum of corrected areas: 1796470

FB011525.M Sat Feb 01 01:03:10 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:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-5.4-013025	SDG No.:	Q1241
Lab Sample ID:	Q1241-13	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	87 Decanted:
Sample Wt/Vol:	11.25 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
FB031422.D	1	01/31/25 14:32	FB013125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	21.0	J	4.00	23.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	15.9		50 - 150	80%	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\FB013125\
Data File : FB031422.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 14:32
Operator : YP/AJ
Sample : Q1241-13
Misc : 11.25G/5.00 ML DI WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
JPP-5.4-013025

Integration File: Calibration.e
Quant Time: Feb 01 00:16:06 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	8.793	379777	15.922 ng/ml
	Target Compounds			

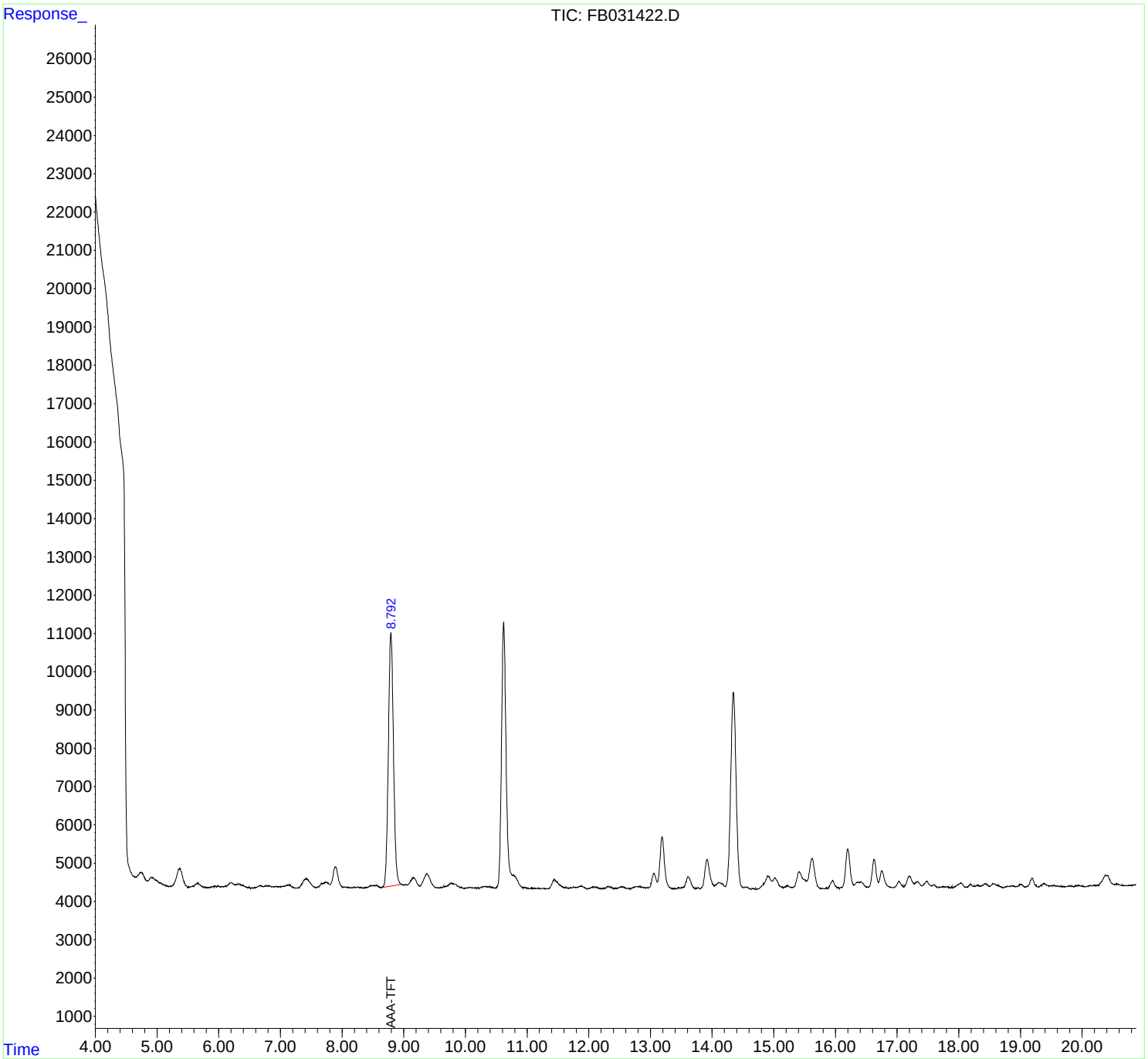
(f)=RT Delta > 1/2 Window (m)=manual int.

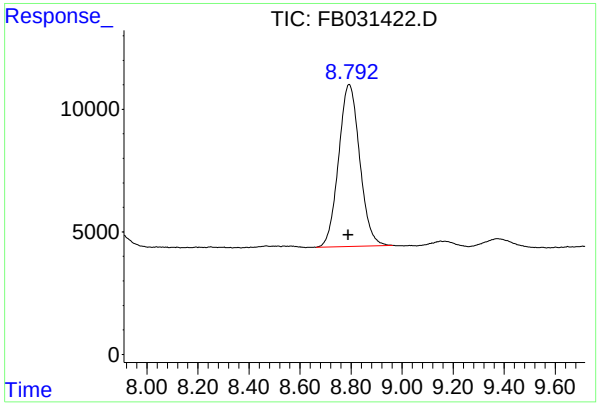
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013125\
Data File : FB031422.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 14:32
Operator : YP/AJ
Sample : Q1241-13
Misc : 11.25G/5.00 ML DI WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
JPP-5.4-013025

Integration File: Calibration.e
Quant Time: Feb 01 00:16:06 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.: 8.793 min
Delta R.T.: 0.003 mi
Response: 379777
Conc: 15.92 ng/m

Instrument :
FID_B
ClientSampleId :
JPP-5.4-013025

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013125\
Data File : FB031422.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 14:32
Sample : Q1241-13
Misc : 11.25G/5.00 ML DI WATER
ALS Vial : 12 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	4.722	4.621	4.729	BV	151	2975	0.75%	0.163%
2	4.745	4.729	4.843	VV	174	6220	1.58%	0.341%
3	4.916	4.843	4.980	PV	131	7135	1.81%	0.391%
4	4.988	4.980	5.045	VV	89	2348	0.60%	0.129%
5	5.055	5.045	5.194	VV	50	1295	0.33%	0.071%
6	5.210	5.194	5.220	PV	18	125	0.03%	0.007%
7	5.225	5.220	5.231	VV	10	62	0.02%	0.003%
8	5.510	5.497	5.521	PV	34	281	0.07%	0.015%
9	5.540	5.521	5.549	VV	36	465	0.12%	0.025%
10	5.562	5.549	5.570	VV	38	415	0.11%	0.023%
11	5.585	5.570	5.597	VV	60	754	0.19%	0.041%
12	5.615	5.597	5.623	VV	91	1178	0.30%	0.065%
13	5.655	5.623	5.776	VV	131	6562	1.66%	0.359%
14	5.781	5.776	5.792	VV	37	214	0.05%	0.012%
15	5.801	5.792	5.811	PV	22	140	0.04%	0.008%
16	5.825	5.811	5.835	VV	26	203	0.05%	0.011%
17	5.930	5.835	5.938	VV	57	1863	0.47%	0.102%
18	5.948	5.938	5.968	VV	50	758	0.19%	0.041%
19	5.991	5.968	6.021	VV	61	1493	0.38%	0.082%
20	6.060	6.021	6.089	VV	46	1511	0.38%	0.083%
21	6.115	6.089	6.127	VV	70	1192	0.30%	0.065%
22	6.203	6.127	6.264	VV	149	8829	2.24%	0.483%
23	6.314	6.264	6.324	VV	116	3475	0.88%	0.190%
24	6.333	6.324	6.373	VV	110	2783	0.71%	0.152%
25	6.387	6.373	6.475	VV	88	3008	0.76%	0.165%
26	6.494	6.475	6.521	VV	30	338	0.09%	0.019%
27	6.543	6.521	6.565	PV	17	215	0.05%	0.012%
28	6.573	6.565	6.594	VV	18	220	0.06%	0.012%
29	6.610	6.594	6.618	VV	27	318	0.08%	0.017%
30	6.680	6.618	6.721	VV	78	3325	0.84%	0.182%
31	6.730	6.721	6.736	VV	49	401	0.10%	0.022%
32	6.770	6.736	6.778	VV	72	1476	0.37%	0.081%
33	6.784	6.778	6.795	VV	65	593	0.15%	0.032%
34	6.823	6.795	6.858	VV	69	2093	0.53%	0.115%
35	6.867	6.858	6.878	VV	45	476	0.12%	0.026%
36	6.885	6.878	6.897	VV	41	427	0.11%	0.023%

rteres

37	6.905	6.897	6.919	VV	44	543	0.14%	0.030%
38	6.929	6.919	6.956	VV	49	986	0.25%	0.054%
39	6.965	6.956	6.977	VV	47	505	0.13%	0.028%
40	6.987	6.977	7.004	VV	53	740	0.19%	0.041%
41	7.014	7.004	7.034	VV	57	858	0.22%	0.047%
42	7.060	7.034	7.068	VV	58	1036	0.26%	0.057%
43	7.101	7.068	7.109	VV	84	1704	0.43%	0.093%
44	7.130	7.109	7.140	VV	89	1510	0.38%	0.083%
45	7.149	7.140	7.162	VV	86	998	0.25%	0.055%
46	7.164	7.162	7.273	VV	79	1691	0.43%	0.093%
47	7.416	7.273	7.566	VV	255	22187	5.63%	1.215%
48	7.575	7.566	7.600	VV	33	593	0.15%	0.032%
49	7.731	7.600	7.763	VV	162	11037	2.80%	0.604%
50	7.774	7.763	7.808	VV	148	3294	0.84%	0.180%
51	7.895	7.808	8.020	VV	572	34071	8.64%	1.866%
52	8.038	8.020	8.089	VV	48	1456	0.37%	0.080%
53	8.106	8.089	8.113	VV	31	391	0.10%	0.021%
54	8.120	8.113	8.132	VV	37	285	0.07%	0.016%
55	8.160	8.132	8.171	VV	30	446	0.11%	0.024%
56	8.192	8.171	8.201	VV	44	492	0.12%	0.027%
57	8.206	8.201	8.233	VV	34	562	0.14%	0.031%
58	8.251	8.233	8.278	VV	49	944	0.24%	0.052%
59	8.303	8.278	8.337	VV	40	869	0.22%	0.048%
60	8.357	8.337	8.369	VV	25	320	0.08%	0.018%
61	8.391	8.369	8.398	VV	34	401	0.10%	0.022%
62	8.469	8.398	8.487	VV	90	2987	0.76%	0.164%
63	8.515	8.487	8.525	VV	89	1760	0.45%	0.096%
64	8.565	8.525	8.645	VV	89	4105	1.04%	0.225%
65	8.793	8.645	8.987	VV	6684	394399	100.00%	21.597%
66	8.995	8.987	9.007	VV	105	1221	0.31%	0.067%
67	9.017	9.007	9.021	VV	104	850	0.22%	0.047%
68	9.037	9.021	9.059	VV	113	2278	0.58%	0.125%
69	9.151	9.059	9.160	VV	289	11272	2.86%	0.617%
70	9.168	9.160	9.262	VV	282	10666	2.70%	0.584%
71	9.372	9.262	9.537	VV	393	31793	8.06%	1.741%
72	9.550	9.537	9.567	VV	35	497	0.13%	0.027%
73	9.603	9.567	9.615	VV	47	822	0.21%	0.045%
74	9.648	9.615	9.673	VV	71	1697	0.43%	0.093%
75	9.709	9.673	9.717	VV	84	1773	0.45%	0.097%
76	9.766	9.717	9.804	VV	155	6529	1.66%	0.358%
77	9.812	9.804	9.970	VV	132	6995	1.77%	0.383%
78	10.068	9.970	10.092	VV	47	1920	0.49%	0.105%
79	10.103	10.092	10.116	VV	40	425	0.11%	0.023%
80	10.132	10.116	10.150	VV	34	538	0.14%	0.029%
81	10.162	10.150	10.188	VV	37	603	0.15%	0.033%
82	10.288	10.188	10.310	VV	63	2876	0.73%	0.157%
83	10.318	10.310	10.360	VV	64	1770	0.45%	0.097%
84	10.366	10.360	10.392	VV	56	1001	0.25%	0.055%
85	10.402	10.392	10.441	VV	68	1372	0.35%	0.075%
86	10.450	10.441	10.507	VV	44	1157	0.29%	0.063%
87	10.621	10.507	10.760	VV	6967	361061	91.55%	19.772%
88	10.777	10.760	10.784	VV	364	5246	1.33%	0.287%
89	10.788	10.784	10.942	VV	357	16832	4.27%	0.922%

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90	10.951	10.942	10.996	VV	49	1201	0.30%	0.066%
91	11.014	10.996	11.038	VV	33	488	0.12%	0.027%
92	11.069	11.038	11.079	VV	41	450	0.11%	0.025%
93	11.086	11.079	11.096	VV	25	183	0.05%	0.010%
94	11.123	11.096	11.131	VV	28	373	0.09%	0.020%
95	11.139	11.131	11.148	VV	22	188	0.05%	0.010%
96	11.156	11.148	11.173	VV	21	237	0.06%	0.013%
97	11.180	11.173	11.237	VV	20	522	0.13%	0.029%
98	11.256	11.237	11.273	VV	20	351	0.09%	0.019%
99	11.282	11.273	11.318	VV	15	285	0.07%	0.016%
100	11.443	11.318	11.644	VV	259	20454	5.19%	1.120%
101	11.654	11.644	11.673	VV	33	510	0.13%	0.028%
102	11.701	11.673	11.726	VV	49	1046	0.27%	0.057%
103	11.750	11.726	11.773	VV	64	1281	0.32%	0.070%
104	11.785	11.773	11.798	VV	51	698	0.18%	0.038%
105	11.808	11.798	11.816	VV	54	473	0.12%	0.026%
106	11.879	11.816	11.972	VV	95	5177	1.31%	0.283%
107	11.992	11.972	12.019	VV	25	520	0.13%	0.028%
108	12.042	12.019	12.051	VV	56	753	0.19%	0.041%
109	12.066	12.051	12.088	VV	74	1278	0.32%	0.070%
110	12.097	12.088	12.113	VV	63	777	0.20%	0.043%
111	12.126	12.113	12.173	VV	63	1462	0.37%	0.080%
112	12.181	12.173	12.189	VV	29	207	0.05%	0.011%
113	12.253	12.189	12.263	VV	40	970	0.25%	0.053%
114	12.309	12.263	12.428	VV	77	4618	1.17%	0.253%
115	12.440	12.428	12.454	VV	38	428	0.11%	0.023%
116	12.537	12.454	12.673	VV	73	5358	1.36%	0.293%
117	12.774	12.673	12.798	VV	76	3953	1.00%	0.216%
118	12.810	12.798	12.884	VV	75	3259	0.83%	0.178%
119	12.905	12.884	12.926	VV	54	1181	0.30%	0.065%
120	12.942	12.926	12.962	VV	56	956	0.24%	0.052%
121	13.057	12.962	13.115	VV	423	21245	5.39%	1.163%
122	13.190	13.115	13.371	VV	1378	72326	18.34%	3.961%
123	13.385	13.371	13.424	VV	27	792	0.20%	0.043%
124	13.458	13.424	13.483	VV	42	1278	0.32%	0.070%
125	13.611	13.483	13.722	VV	333	20934	5.31%	1.146%
126	13.737	13.722	13.748	VV	44	445	0.11%	0.024%
127	13.773	13.748	13.806	VV	47	1211	0.31%	0.066%
128	13.920	13.806	14.045	VV	784	46964	11.91%	2.572%
129	14.111	14.045	14.216	VV	186	14681	3.72%	0.804%
130	14.346	14.216	14.520	VV	5154	316516	80.25%	17.332%
131	14.542	14.520	14.562	VV	74	1615	0.41%	0.088%
132	14.576	14.562	14.630	VV	66	1627	0.41%	0.089%
133	14.650	14.630	14.717	VV	35	1176	0.30%	0.064%
134	14.905	14.717	14.977	PV	364	27345	6.93%	1.497%
135	15.019	14.977	15.155	VV	319	19706	5.00%	1.079%
136	15.223	15.155	15.300	VV	131	7308	1.85%	0.400%
137	15.414	15.300	15.534	VV	481	38953	9.88%	2.133%
138	15.622	15.534	15.779	VV	834	54252	13.76%	2.971%
139	15.795	15.779	15.824	VV	53	1208	0.31%	0.066%
140	15.851	15.824	15.865	VV	83	1262	0.32%	0.069%
141	15.954	15.865	16.071	VV	247	15933	4.04%	0.873%

rteres

142	16.201	16.071	16.301	VV	1080	60349	15.30%	3.305%
143	16.363	16.301	16.403	VBA	220	11852	3.01%	0.649%

Sum of corrected areas: 1826139

FB011525.M Sat Feb 01 01:00:13 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:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-51.4-013025	SDG No.:	Q1241
Lab Sample ID:	Q1241-17	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	93.3 Decanted:
Sample Wt/Vol:	8.9 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
FB031423.D	1	01/31/25 14:58	FB013125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	27.0	U	5.00	27.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	15.5		50 - 150	78%	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\FB013125\
Data File : FB031423.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 14:58
Operator : YP/AJ
Sample : Q1241-17
Misc : 8.90G/5.00 ML DI WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
JPP-51.4-013025

Integration File: Calibration.e
Quant Time: Feb 01 00:16:12 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	8.793	369649	15.497 ng/ml
Target Compounds				

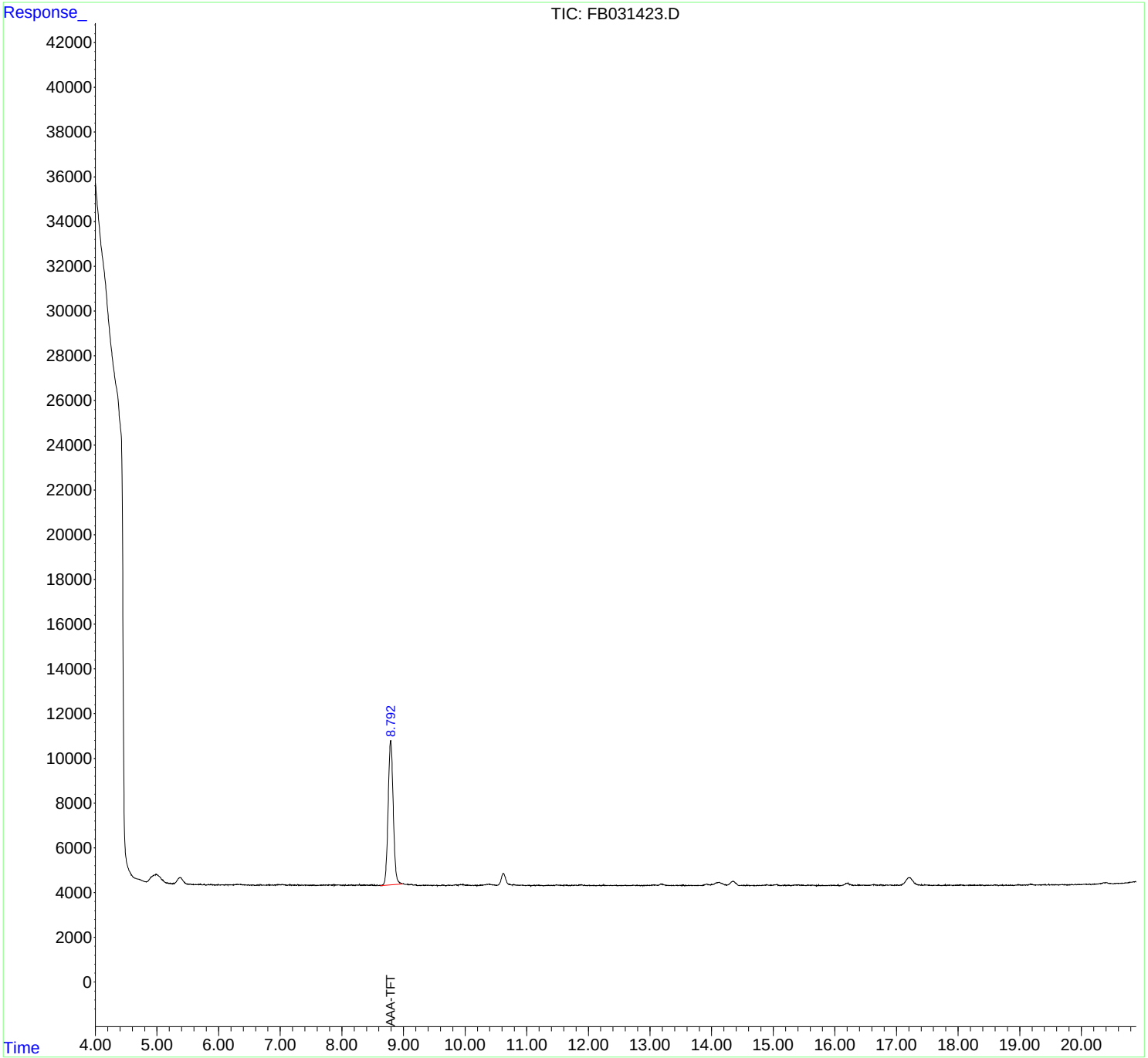
(f)=RT Delta > 1/2 Window (m)=manual int.

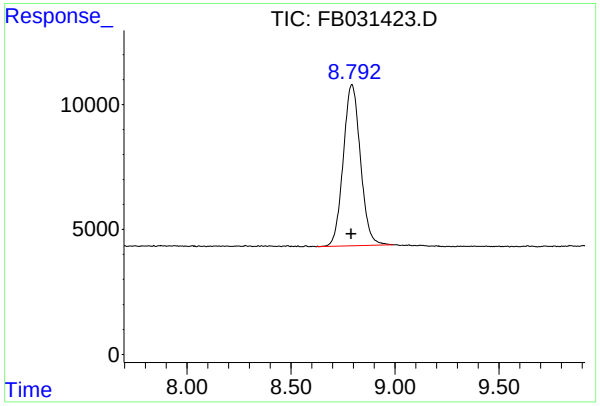
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013125\
Data File : FB031423.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 14:58
Operator : YP/AJ
Sample : Q1241-17
Misc : 8.90G/5.00 ML DI WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
JPP-51.4-013025

Integration File: Calibration.e
Quant Time: Feb 01 00:16:12 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.: 8.793 min
Delta R.T.: 0.003 mi
Response: 369649
Conc: 15.50 ng/m

Instrument :
FID_B
ClientSampleId :
JPP-51.4-013025

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013125\
Data File : FB031423.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 14:58
Sample : Q1241-17
Misc : 8.90G/5.00 ML DI WATER
ALS Vial : 13 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	5.154	5.148	5.210	VV	33	910	0.24%	0.154%
2	5.218	5.210	5.226	VV	28	181	0.05%	0.031%
3	5.229	5.226	5.239	VV	22	93	0.02%	0.016%
4	5.251	5.239	5.258	PV	23	150	0.04%	0.025%
5	5.268	5.258	5.280	VV	47	373	0.10%	0.063%
6	5.540	5.509	5.578	VV	39	717	0.19%	0.121%
7	5.586	5.578	5.610	VV	16	217	0.06%	0.037%
8	5.621	5.610	5.629	VV	19	149	0.04%	0.025%
9	5.670	5.629	5.682	VV	33	583	0.15%	0.098%
10	5.700	5.682	5.710	VV	45	472	0.12%	0.080%
11	5.716	5.710	5.730	VV	39	290	0.08%	0.049%
12	5.771	5.730	5.789	VV	48	855	0.22%	0.144%
13	5.799	5.789	5.804	PV	18	88	0.02%	0.015%
14	5.833	5.804	5.860	VV	48	837	0.22%	0.141%
15	5.880	5.860	5.901	VV	48	618	0.16%	0.104%
16	5.913	5.901	5.945	VV	32	545	0.14%	0.092%
17	5.974	5.945	5.985	VV	26	438	0.11%	0.074%
18	5.998	5.985	6.023	VV	31	541	0.14%	0.091%
19	6.063	6.023	6.092	VV	33	851	0.22%	0.144%
20	6.116	6.092	6.123	VV	31	450	0.12%	0.076%
21	6.130	6.123	6.149	VV	32	375	0.10%	0.063%
22	6.158	6.149	6.200	VV	33	757	0.20%	0.128%
23	6.217	6.200	6.235	VV	31	490	0.13%	0.083%
24	6.241	6.235	6.249	VV	42	239	0.06%	0.040%
25	6.269	6.249	6.295	VV	45	922	0.24%	0.156%
26	6.307	6.295	6.321	VV	58	695	0.18%	0.117%
27	6.335	6.321	6.412	VV	47	2117	0.55%	0.357%
28	6.421	6.412	6.466	VV	33	739	0.19%	0.125%
29	6.488	6.466	6.510	VV	35	467	0.12%	0.079%
30	6.522	6.510	6.539	VV	25	272	0.07%	0.046%
31	6.553	6.539	6.596	VV	26	475	0.12%	0.080%
32	6.621	6.596	6.636	PV	23	287	0.08%	0.048%
33	6.648	6.636	6.672	VV	25	345	0.09%	0.058%
34	6.683	6.672	6.719	VV	33	590	0.15%	0.099%
35	6.735	6.719	6.756	VV	25	368	0.10%	0.062%
36	6.807	6.756	6.826	VV	38	796	0.21%	0.134%

rteres

37	6.836	6.826	6.856	VV	35	363	0.10%	0.061%
38	6.869	6.856	6.889	VV	30	412	0.11%	0.069%
39	6.903	6.889	6.930	VV	31	556	0.15%	0.094%
40	6.954	6.930	6.976	VV	48	976	0.26%	0.165%
41	6.983	6.976	6.993	VV	44	385	0.10%	0.065%
42	7.029	6.993	7.037	VV	52	1050	0.28%	0.177%
43	7.042	7.037	7.065	VV	47	629	0.16%	0.106%
44	7.072	7.065	7.112	VV	40	648	0.17%	0.109%
45	7.135	7.112	7.147	VV	32	446	0.12%	0.075%
46	7.165	7.147	7.183	VV	35	492	0.13%	0.083%
47	7.194	7.183	7.205	VV	32	315	0.08%	0.053%
48	7.214	7.205	7.223	VV	32	220	0.06%	0.037%
49	7.241	7.223	7.264	VV	27	426	0.11%	0.072%
50	7.284	7.264	7.299	VV	43	564	0.15%	0.095%
51	7.306	7.299	7.337	VV	33	402	0.11%	0.068%
52	7.357	7.337	7.379	VV	23	447	0.12%	0.075%
53	7.394	7.379	7.415	VV	32	459	0.12%	0.077%
54	7.427	7.415	7.457	VV	25	465	0.12%	0.078%
55	7.496	7.457	7.540	VV	25	883	0.23%	0.149%
56	7.551	7.540	7.566	VV	33	297	0.08%	0.050%
57	7.574	7.566	7.585	VV	14	75	0.02%	0.013%
58	7.598	7.585	7.624	VV	21	305	0.08%	0.051%
59	7.631	7.624	7.649	VV	23	273	0.07%	0.046%
60	7.667	7.649	7.687	VV	36	508	0.13%	0.086%
61	7.701	7.687	7.713	VV	39	393	0.10%	0.066%
62	7.750	7.713	7.776	VV	35	876	0.23%	0.148%
63	7.785	7.776	7.835	VV	36	942	0.25%	0.159%
64	7.842	7.835	7.852	VV	44	258	0.07%	0.044%
65	7.877	7.852	7.886	VV	47	674	0.18%	0.114%
66	7.893	7.886	7.902	VV	41	291	0.08%	0.049%
67	7.916	7.902	7.924	VV	37	381	0.10%	0.064%
68	7.936	7.924	7.964	VV	37	733	0.19%	0.124%
69	7.973	7.964	7.986	VV	32	328	0.09%	0.055%
70	7.997	7.986	8.014	VV	24	333	0.09%	0.056%
71	8.026	8.014	8.048	VV	37	455	0.12%	0.077%
72	8.058	8.048	8.070	VV	37	250	0.07%	0.042%
73	8.083	8.070	8.092	VV	26	223	0.06%	0.038%
74	8.114	8.092	8.122	VV	28	317	0.08%	0.054%
75	8.135	8.122	8.147	VV	29	358	0.09%	0.060%
76	8.155	8.147	8.184	VV	30	546	0.14%	0.092%
77	8.194	8.184	8.214	VV	28	404	0.11%	0.068%
78	8.251	8.214	8.265	VV	33	707	0.19%	0.119%
79	8.282	8.265	8.294	VV	52	520	0.14%	0.088%
80	8.305	8.294	8.315	VV	33	269	0.07%	0.045%
81	8.359	8.315	8.367	VV	42	749	0.20%	0.126%
82	8.377	8.367	8.387	VV	36	300	0.08%	0.051%
83	8.399	8.387	8.427	VV	36	586	0.15%	0.099%
84	8.444	8.427	8.455	VV	32	326	0.09%	0.055%
85	8.465	8.455	8.474	VV	33	305	0.08%	0.051%
86	8.485	8.474	8.498	VV	41	405	0.11%	0.068%
87	8.503	8.498	8.515	VV	27	208	0.05%	0.035%
88	8.534	8.515	8.555	VV	36	357	0.09%	0.060%
89	8.571	8.555	8.588	VV	46	363	0.10%	0.061%

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90	8.608	8.588	8.621	PV	18	261	0.07%	0.044%
91	8.793	8.621	9.035	VV	6502	381697	100.00%	64.371%
92	9.038	9.035	9.049	VV	63	486	0.13%	0.082%
93	9.068	9.049	9.085	VV	82	1309	0.34%	0.221%
94	9.095	9.085	9.105	VV	57	578	0.15%	0.098%
95	9.121	9.105	9.165	VV	63	1659	0.43%	0.280%
96	9.182	9.165	9.191	VV	37	504	0.13%	0.085%
97	9.201	9.191	9.241	VV	43	696	0.18%	0.117%
98	9.256	9.241	9.270	VV	21	244	0.06%	0.041%
99	9.280	9.270	9.291	VV	21	168	0.04%	0.028%
100	9.304	9.291	9.345	VV	27	678	0.18%	0.114%
101	9.367	9.345	9.375	VV	26	370	0.10%	0.062%
102	9.384	9.375	9.428	VV	31	680	0.18%	0.115%
103	9.440	9.428	9.468	VV	30	471	0.12%	0.079%
104	9.499	9.468	9.522	VV	25	566	0.15%	0.095%
105	9.541	9.522	9.551	VV	35	320	0.08%	0.054%
106	9.585	9.551	9.597	VV	17	347	0.09%	0.059%
107	9.638	9.597	9.650	VV	42	724	0.19%	0.122%
108	9.659	9.650	9.683	VV	35	356	0.09%	0.060%
109	9.721	9.683	9.756	VV	29	796	0.21%	0.134%
110	9.767	9.756	9.795	VV	30	459	0.12%	0.077%
111	9.805	9.795	9.813	VV	26	265	0.07%	0.045%
112	9.821	9.813	9.828	VV	34	257	0.07%	0.043%
113	9.841	9.828	9.886	VV	52	1205	0.32%	0.203%
114	9.924	9.886	9.932	VV	58	1222	0.32%	0.206%
115	9.971	9.932	10.016	VV	63	2058	0.54%	0.347%
116	10.025	10.016	10.059	VV	34	657	0.17%	0.111%
117	10.079	10.059	10.109	VV	29	641	0.17%	0.108%
118	10.121	10.109	10.138	VV	30	390	0.10%	0.066%
119	10.156	10.138	10.187	VV	28	591	0.15%	0.100%
120	10.197	10.187	10.209	VV	32	244	0.06%	0.041%
121	10.235	10.209	10.246	VV	25	437	0.11%	0.074%
122	10.263	10.246	10.274	VV	43	476	0.12%	0.080%
123	10.322	10.274	10.333	VV	50	1329	0.35%	0.224%
124	10.353	10.333	10.367	VV	69	1217	0.32%	0.205%
125	10.389	10.367	10.410	VV	74	1695	0.44%	0.286%
126	10.419	10.410	10.455	VV	61	1352	0.35%	0.228%
127	10.462	10.455	10.473	VV	43	400	0.10%	0.067%
128	10.481	10.473	10.515	VV	38	735	0.19%	0.124%
129	10.620	10.515	10.763	VV	557	30826	8.08%	5.199%
130	10.795	10.763	10.847	VV	60	2029	0.53%	0.342%
131	10.857	10.847	10.878	VV	39	541	0.14%	0.091%
132	10.920	10.878	10.986	VV	33	1529	0.40%	0.258%
133	11.014	10.986	11.074	VV	32	982	0.26%	0.166%
134	11.087	11.074	11.119	VV	22	452	0.12%	0.076%
135	11.127	11.119	11.138	VV	34	217	0.06%	0.037%
136	11.170	11.138	11.189	VV	31	656	0.17%	0.111%
137	11.201	11.189	11.222	VV	36	407	0.11%	0.069%
138	11.233	11.222	11.251	VV	29	327	0.09%	0.055%
139	11.259	11.251	11.268	VV	23	132	0.03%	0.022%
140	11.278	11.268	11.289	PV	12	105	0.03%	0.018%
141	11.315	11.289	11.334	VV	27	457	0.12%	0.077%

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142	11.360	11.334	11.371	VV	35	481	0.13%	0.081%
143	11.382	11.371	11.393	VV	29	260	0.07%	0.044%
144	11.402	11.393	11.416	VV	28	246	0.06%	0.041%
145	11.431	11.416	11.446	VV	25	354	0.09%	0.060%
146	11.488	11.446	11.511	VV	53	1363	0.36%	0.230%
147	11.525	11.511	11.585	VV	42	1204	0.32%	0.203%
148	11.602	11.585	11.644	VV	33	903	0.24%	0.152%
149	11.656	11.644	11.688	VV	27	597	0.16%	0.101%
150	11.697	11.688	11.730	VV	19	435	0.11%	0.073%
151	11.743	11.730	11.753	VV	34	364	0.10%	0.061%
152	11.774	11.753	11.786	VV	37	515	0.13%	0.087%
153	11.802	11.786	11.814	VV	44	500	0.13%	0.084%
154	11.844	11.814	11.851	VV	38	555	0.15%	0.094%
155	11.867	11.851	11.880	VV	56	766	0.20%	0.129%
156	11.893	11.880	11.917	VV	50	890	0.23%	0.150%
157	11.932	11.917	11.954	VV	33	536	0.14%	0.090%
158	11.969	11.954	11.987	VV	26	370	0.10%	0.062%
159	12.010	11.987	12.035	VV	29	593	0.16%	0.100%
160	12.044	12.035	12.052	VV	17	121	0.03%	0.020%
161	12.071	12.052	12.088	VV	21	314	0.08%	0.053%
162	12.097	12.088	12.121	VV	31	307	0.08%	0.052%
163	12.132	12.121	12.142	VV	21	194	0.05%	0.033%
164	12.163	12.142	12.174	VV	26	376	0.10%	0.063%
165	12.185	12.174	12.201	VV	37	353	0.09%	0.060%
166	12.238	12.201	12.255	VV	40	608	0.16%	0.103%
167	12.264	12.255	12.275	VV	37	221	0.06%	0.037%
168	12.292	12.275	12.303	VV	24	339	0.09%	0.057%
169	12.316	12.303	12.330	VV	26	321	0.08%	0.054%
170	12.338	12.330	12.346	VV	24	187	0.05%	0.032%
171	12.366	12.346	12.399	VV	25	615	0.16%	0.104%
172	12.416	12.399	12.481	VV	27	961	0.25%	0.162%
173	12.498	12.481	12.528	PV	27	471	0.12%	0.079%
174	12.597	12.528	12.647	VV	32	1460	0.38%	0.246%
175	12.674	12.647	12.683	VV	27	385	0.10%	0.065%
176	12.694	12.683	12.703	VV	25	237	0.06%	0.040%
177	12.729	12.703	12.737	VV	38	551	0.14%	0.093%
178	12.743	12.737	12.776	VV	32	510	0.13%	0.086%
179	12.797	12.776	12.817	VV	33	598	0.16%	0.101%
180	12.827	12.817	12.844	VV	32	313	0.08%	0.053%
181	12.871	12.844	12.890	VV	22	466	0.12%	0.079%
182	12.902	12.890	12.924	VV	35	485	0.13%	0.082%
183	12.936	12.924	12.947	VV	32	315	0.08%	0.053%
184	12.962	12.947	12.982	VV	31	498	0.13%	0.084%
185	12.988	12.982	12.997	VV	28	188	0.05%	0.032%
186	13.059	12.997	13.088	VV	49	1761	0.46%	0.297%
187	13.096	13.088	13.124	VV	42	683	0.18%	0.115%
188	13.173	13.124	13.197	VV	89	2444	0.64%	0.412%
189	13.203	13.197	13.277	VV	79	2209	0.58%	0.373%
190	13.294	13.277	13.352	VV	29	969	0.25%	0.163%
191	13.368	13.352	13.392	VV	27	486	0.13%	0.082%
192	13.429	13.392	13.463	VV	35	884	0.23%	0.149%
193	13.483	13.463	13.508	VV	30	628	0.16%	0.106%
194	13.522	13.508	13.558	VV	37	775	0.20%	0.131%

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195	13.564	13.558	13.581	VV	22	205	0.05%	0.034%
196	13.594	13.581	13.608	VV	22	278	0.07%	0.047%
197	13.626	13.608	13.649	VV	32	552	0.14%	0.093%
198	13.666	13.649	13.676	VV	32	379	0.10%	0.064%
199	13.684	13.676	13.701	VV	18	264	0.07%	0.045%
200	13.709	13.701	13.729	VV	26	361	0.09%	0.061%
201	13.737	13.729	13.742	VV	19	138	0.04%	0.023%
202	13.750	13.742	13.772	VV	26	351	0.09%	0.059%
203	13.779	13.772	13.800	VV	26	375	0.10%	0.063%
204	13.807	13.800	13.830	VV	25	364	0.10%	0.061%
205	13.929	13.830	13.945	VV	84	3340	0.88%	0.563%
206	13.954	13.945	13.979	VV	62	1012	0.27%	0.171%
207	14.125	13.979	14.155	VV	161	11675	3.06%	1.969%
208	14.164	14.155	14.210	VV	120	2872	0.75%	0.484%
209	14.222	14.210	14.239	VV	59	812	0.21%	0.137%
210	14.343	14.239	14.438	VV	210	13550	3.55%	2.285%
211	14.444	14.438	14.452	VV	28	217	0.06%	0.037%
212	14.460	14.452	14.485	VV	29	450	0.12%	0.076%
213	14.488	14.485	14.502	VV	29	235	0.06%	0.040%
214	14.527	14.502	14.540	VV	39	592	0.16%	0.100%
215	14.572	14.540	14.588	VV	39	685	0.18%	0.115%
216	14.604	14.588	14.616	VV	35	421	0.11%	0.071%
217	14.644	14.616	14.680	VV	26	749	0.20%	0.126%
218	14.689	14.680	14.716	VV	31	328	0.09%	0.055%
219	14.746	14.716	14.772	VV	30	645	0.17%	0.109%
220	14.778	14.772	14.807	VV	34	516	0.14%	0.087%
221	14.857	14.807	14.867	VV	48	1057	0.28%	0.178%
222	14.895	14.867	14.931	VV	56	1582	0.41%	0.267%
223	14.947	14.931	14.981	VV	38	930	0.24%	0.157%
224	15.019	14.981	15.035	VV	52	1341	0.35%	0.226%
225	15.063	15.035	15.130	VV	61	2107	0.55%	0.355%
226	15.154	15.130	15.170	VV	37	623	0.16%	0.105%
227	15.183	15.170	15.203	VV	47	545	0.14%	0.092%
228	15.214	15.203	15.222	VV	35	253	0.07%	0.043%
229	15.234	15.222	15.242	VV	37	342	0.09%	0.058%
230	15.258	15.242	15.284	VV	41	657	0.17%	0.111%
231	15.326	15.284	15.335	VV	45	826	0.22%	0.139%
232	15.355	15.335	15.365	VV	52	691	0.18%	0.117%
233	15.413	15.365	15.442	VV	60	1907	0.50%	0.322%
234	15.457	15.442	15.468	VV	43	581	0.15%	0.098%
235	15.490	15.468	15.499	VV	39	568	0.15%	0.096%
236	15.505	15.499	15.535	VV	27	477	0.13%	0.081%
237	15.552	15.535	15.559	VV	37	383	0.10%	0.065%
238	15.567	15.559	15.599	VV	39	789	0.21%	0.133%
239	15.609	15.599	15.617	VV	33	305	0.08%	0.051%
240	15.631	15.617	15.665	VV	39	968	0.25%	0.163%
241	15.675	15.665	15.704	VV	37	515	0.13%	0.087%
242	15.741	15.704	15.751	PV	38	546	0.14%	0.092%
243	15.763	15.751	15.786	VV	26	427	0.11%	0.072%
244	15.802	15.786	15.825	VV	27	373	0.10%	0.063%
245	15.841	15.825	15.863	VV	21	350	0.09%	0.059%
246	15.873	15.863	15.883	VV	23	188	0.05%	0.032%

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247	15.906	15.883	15.916	VV	25	343	0.09%	0.058%
248	15.929	15.916	15.943	VV	29	370	0.10%	0.062%
249	15.954	15.943	15.965	VV	28	269	0.07%	0.045%
250	15.982	15.965	16.024	VV	30	652	0.17%	0.110%
251	16.054	16.024	16.063	VV	33	398	0.10%	0.067%
252	16.071	16.063	16.108	PV	18	211	0.06%	0.036%
253	16.185	16.108	16.208	VV	102	3192	0.84%	0.538%
254	16.217	16.208	16.273	VV	102	2269	0.59%	0.383%
255	16.282	16.273	16.339	VV	21	357	0.09%	0.060%
256	16.375	16.339	16.384	PV	22	88	0.02%	0.015%
			Sum of corrected areas:			592965		

FB011525.M Sat Feb 01 01:00:38 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.: Q1241 SAS No.: Q1241 SDG No.: Q1241

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

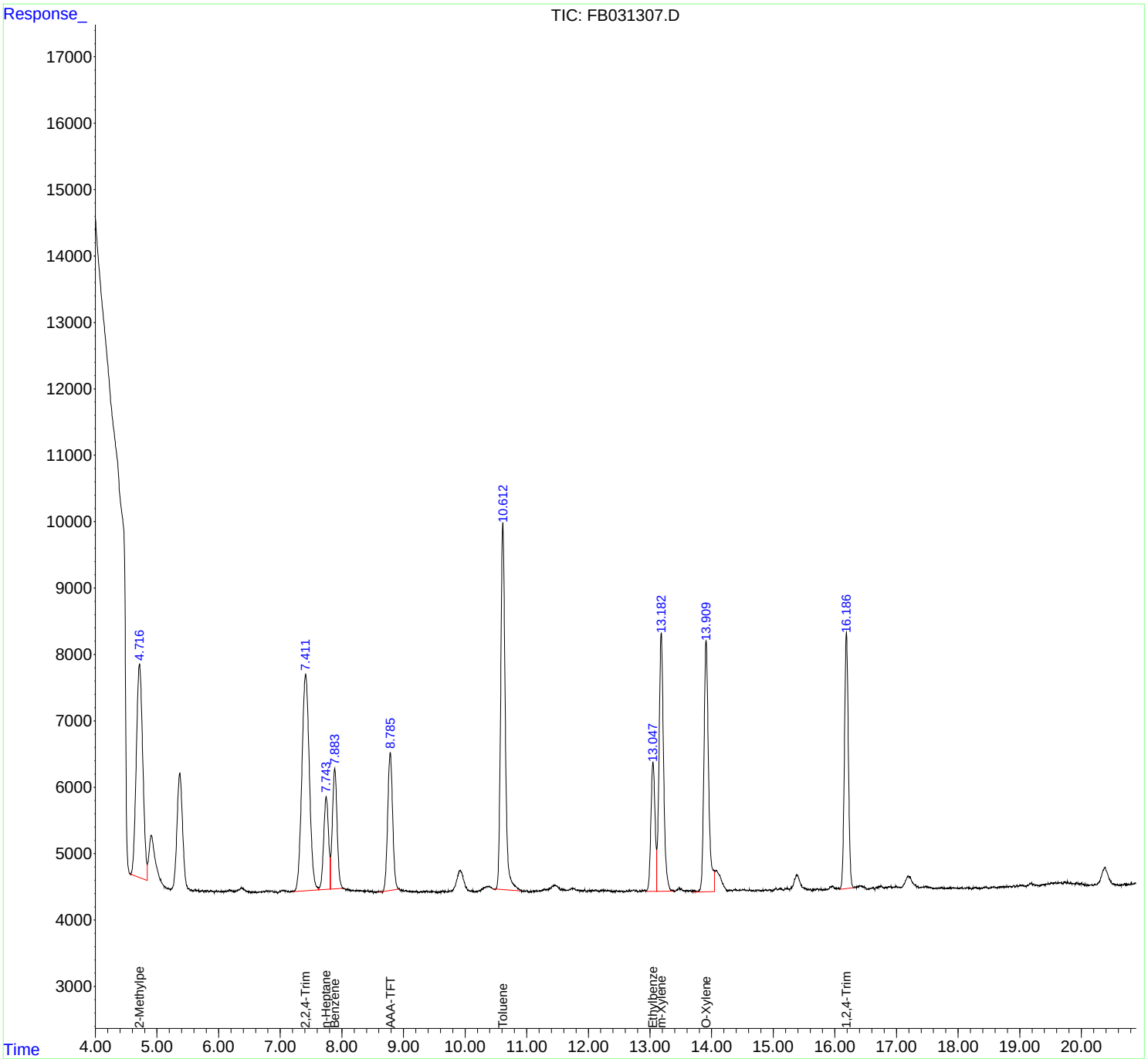
(f)=RT Delta > 1/2 Window (m)=manual int.

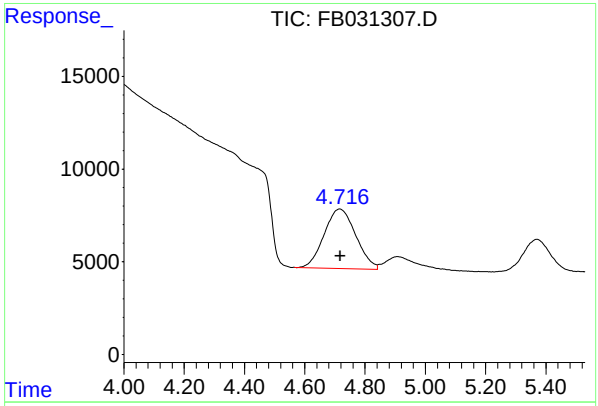
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011525\
Data File : FB031307.D
Signal(s) : FID2B.CH
Acq On : 15 Jan 2025 10:20
Operator : YP/AJ
Sample : 5 GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

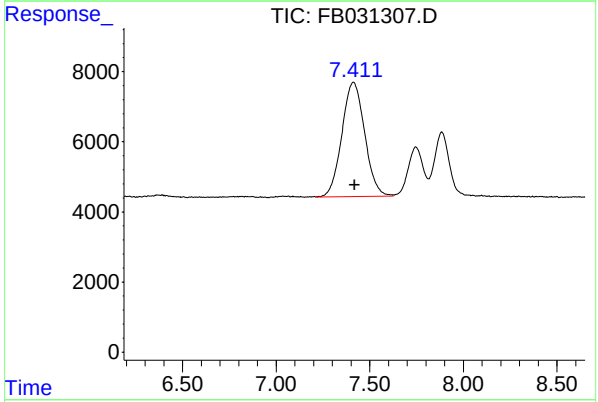




#1 2-Methylpentane

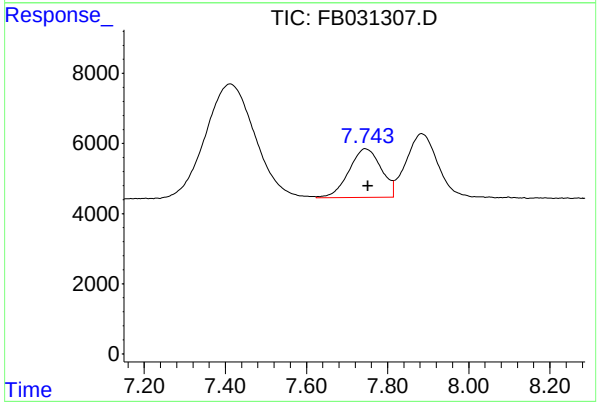
R.T.: 4.718 min
Delta R.T.: 0.000 min
Response: 233598
Conc: 7.65 ng/ml

Instrument :
FID_B
ClientSampleId :
5 GRO STD



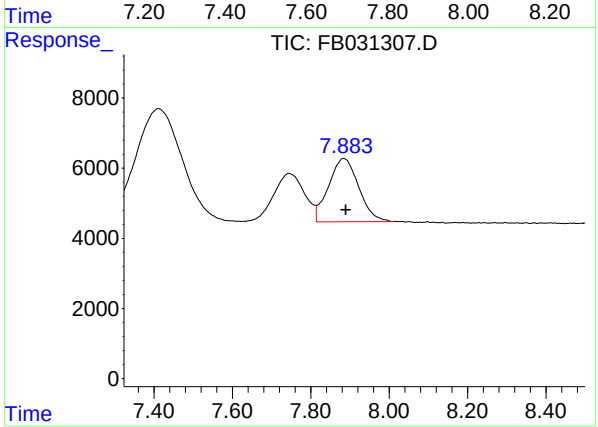
#2 2,2,4-Trimethylpentane

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



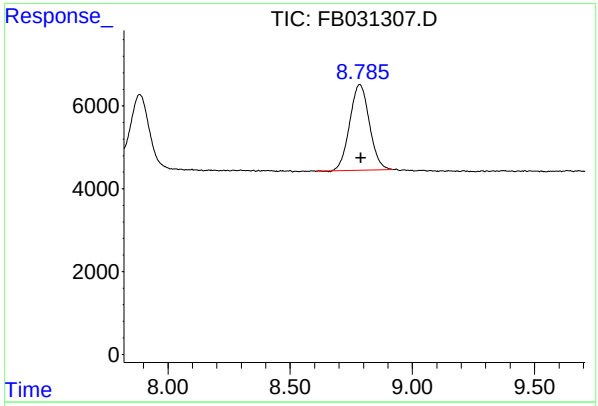
#3 n-Heptane

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



#4 Benzene

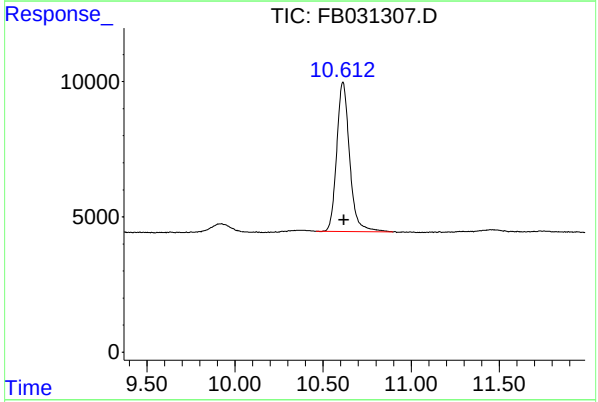
R.T.: 7.885 min
Delta R.T.: -0.005 min
Response: 96940
Conc: 2.46 ng/ml



#5 AAA-TFT

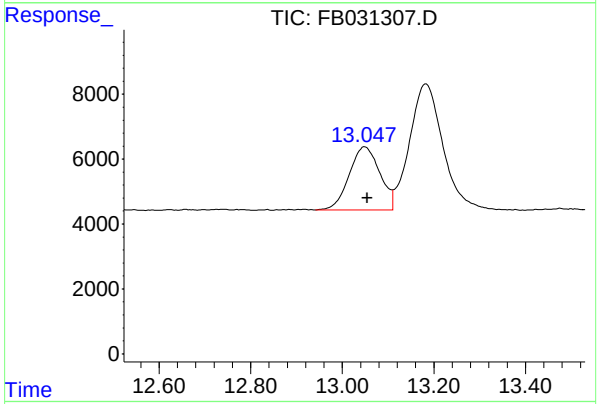
R.T.: 8.786 min
Delta R.T.: -0.003 min
Response: 115906
Conc: 4.68 ng/ml

Instrument :
FID_B
ClientSampleId :
5 GRO STD



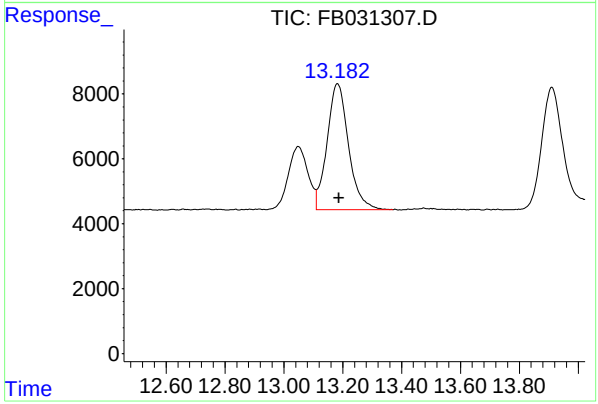
#6 Toluene

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



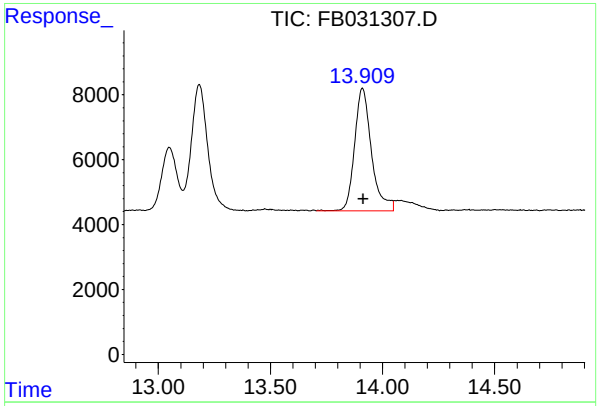
#7 Ethylbenzene

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



#8 m-Xylene

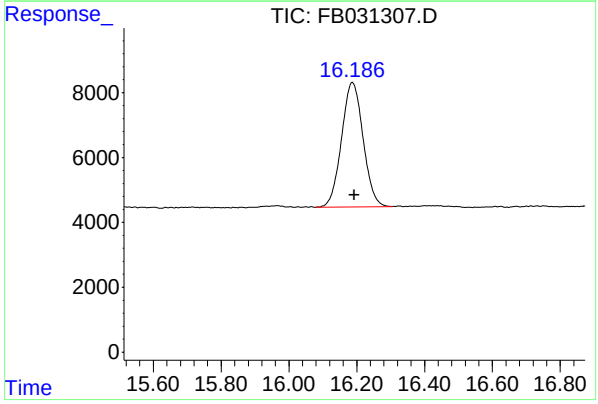
R.T.: 13.183 min
Delta R.T.: -0.005 min
Response: 196650
Conc: 5.78 ng/ml



#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

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

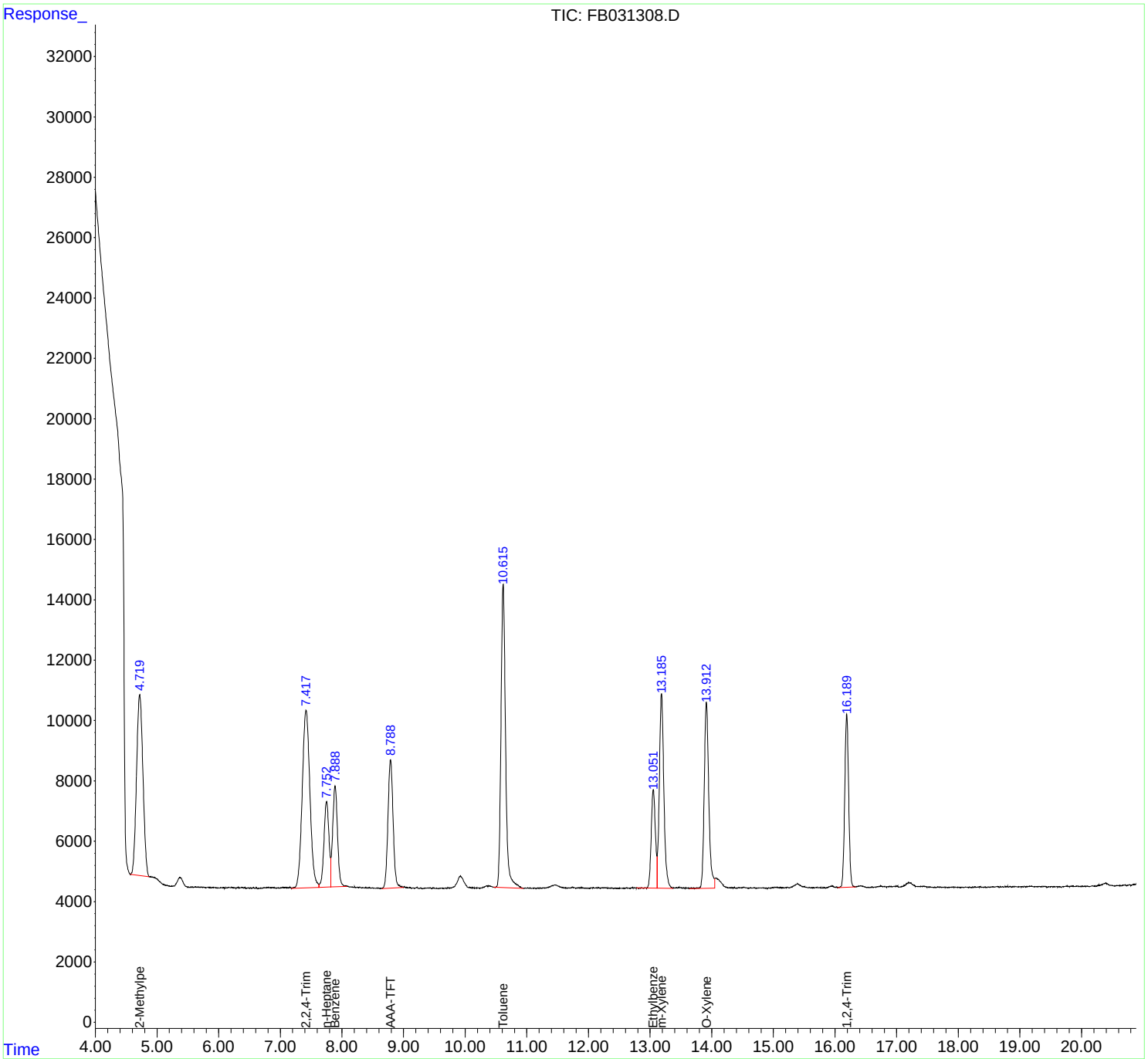
(f)=RT Delta > 1/2 Window (m)=manual int.

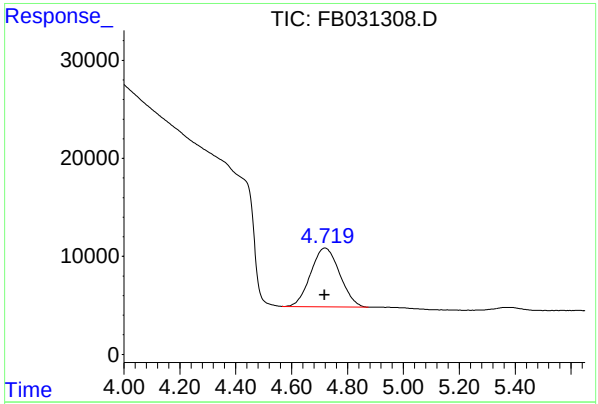
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011525\
Data File : FB031308.D
Signal(s) : FID2B.CH
Acq On : 15 Jan 2025 10:47
Operator : YP/AJ
Sample : 10 GRO STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

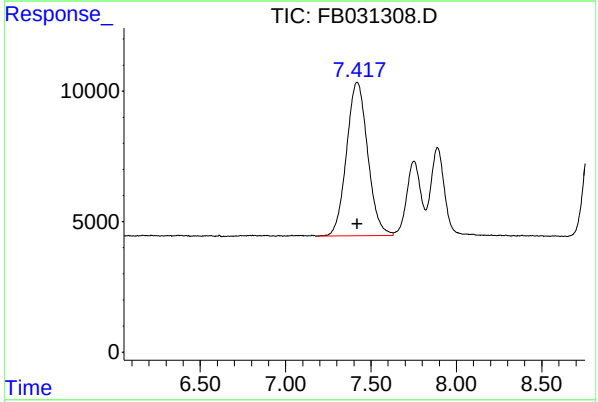




#1 2-Methylpentane

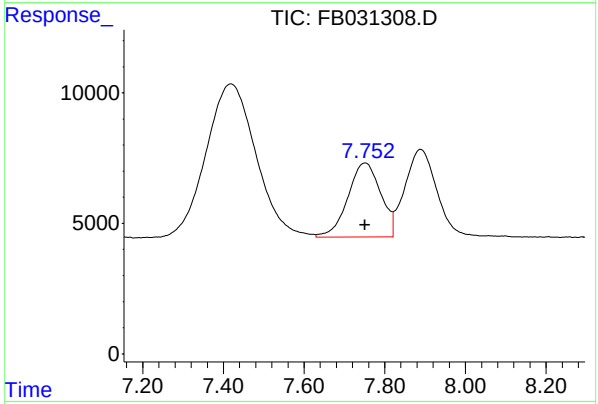
R.T.: 4.720 min
Delta R.T.: 0.002 mi
Response: 431842
Conc: 14.01 ng/m

Instrument :
FID_B
ClientSampleId :
10 GRO STD



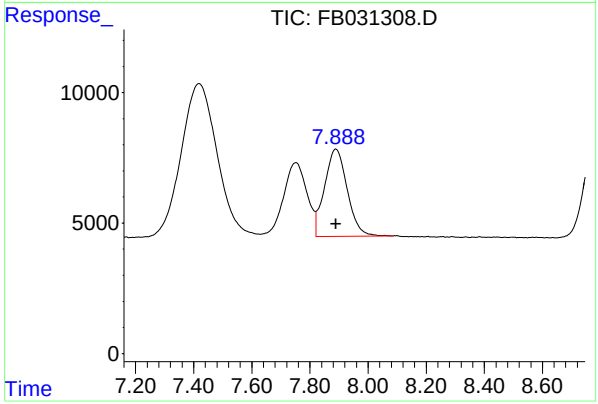
#2 2,2,4-Trimethylpentane

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



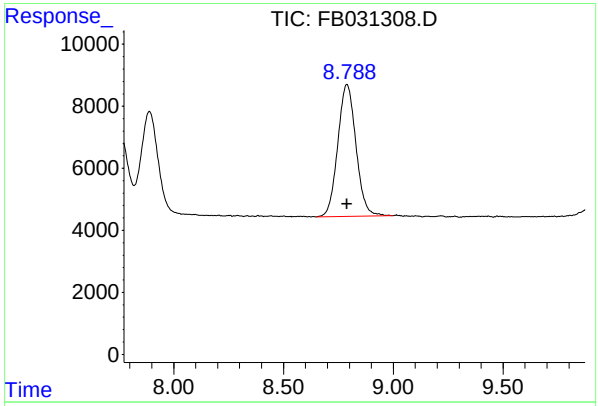
#3 n-Heptane

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



#4 Benzene

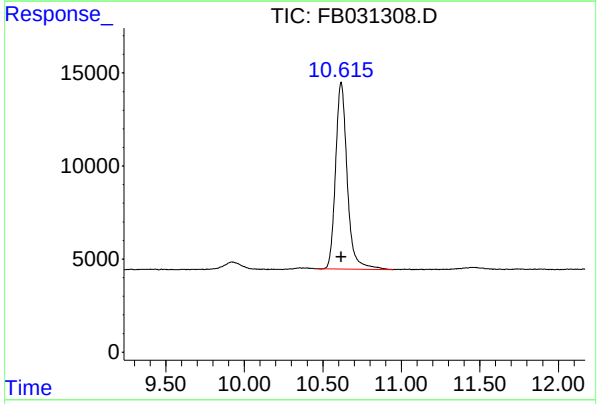
R.T.: 7.890 min
Delta R.T.: 0.000 min
Response: 182595
Conc: 4.67 ng/ml



#5 AAA-TFT

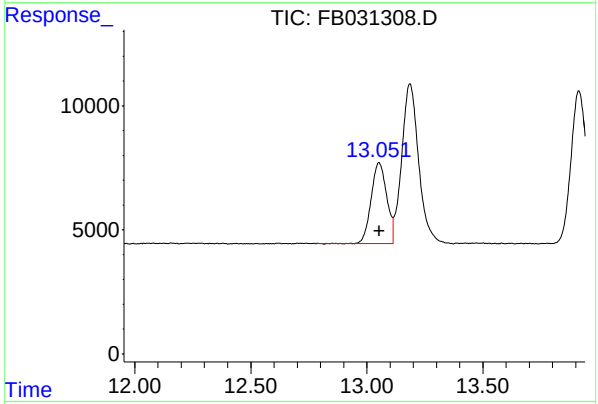
R.T.: 8.789 min
Delta R.T.: 0.000 min
Response: 244936
Conc: 10.22 ng/ml

Instrument :
FID_B
ClientSampleId :
10 GRO STD



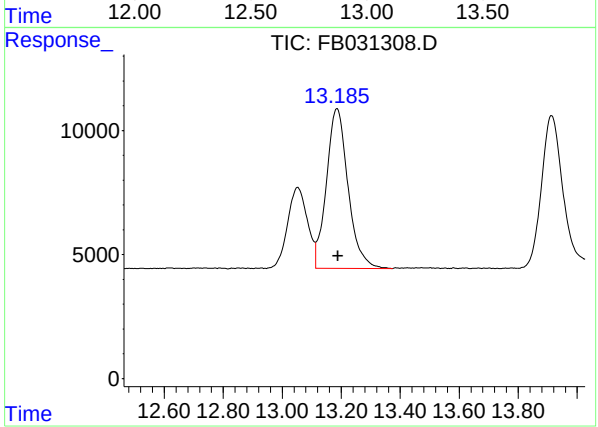
#6 Toluene

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



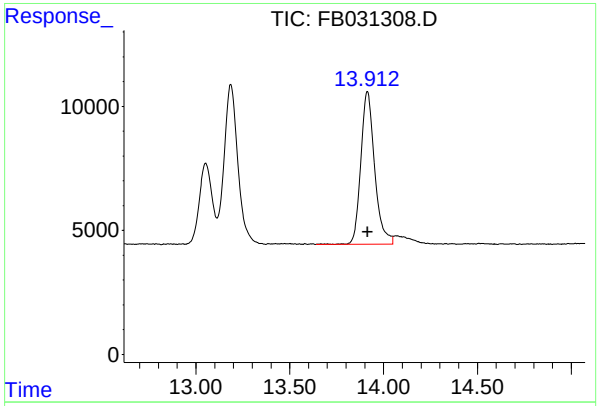
#7 Ethylbenzene

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



#8 m-Xylene

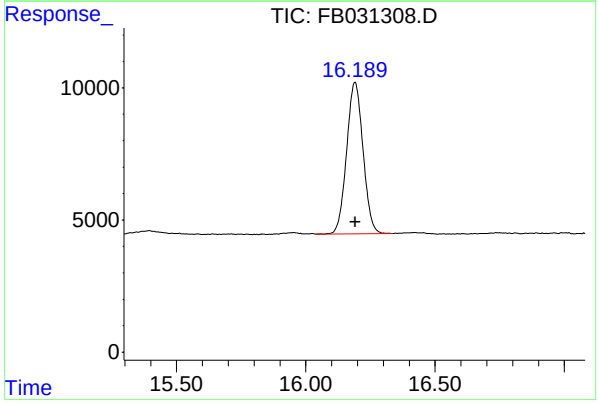
R.T.: 13.186 min
Delta R.T.: -0.002 min
Response: 328529
Conc: 8.96 ng/ml



#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

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

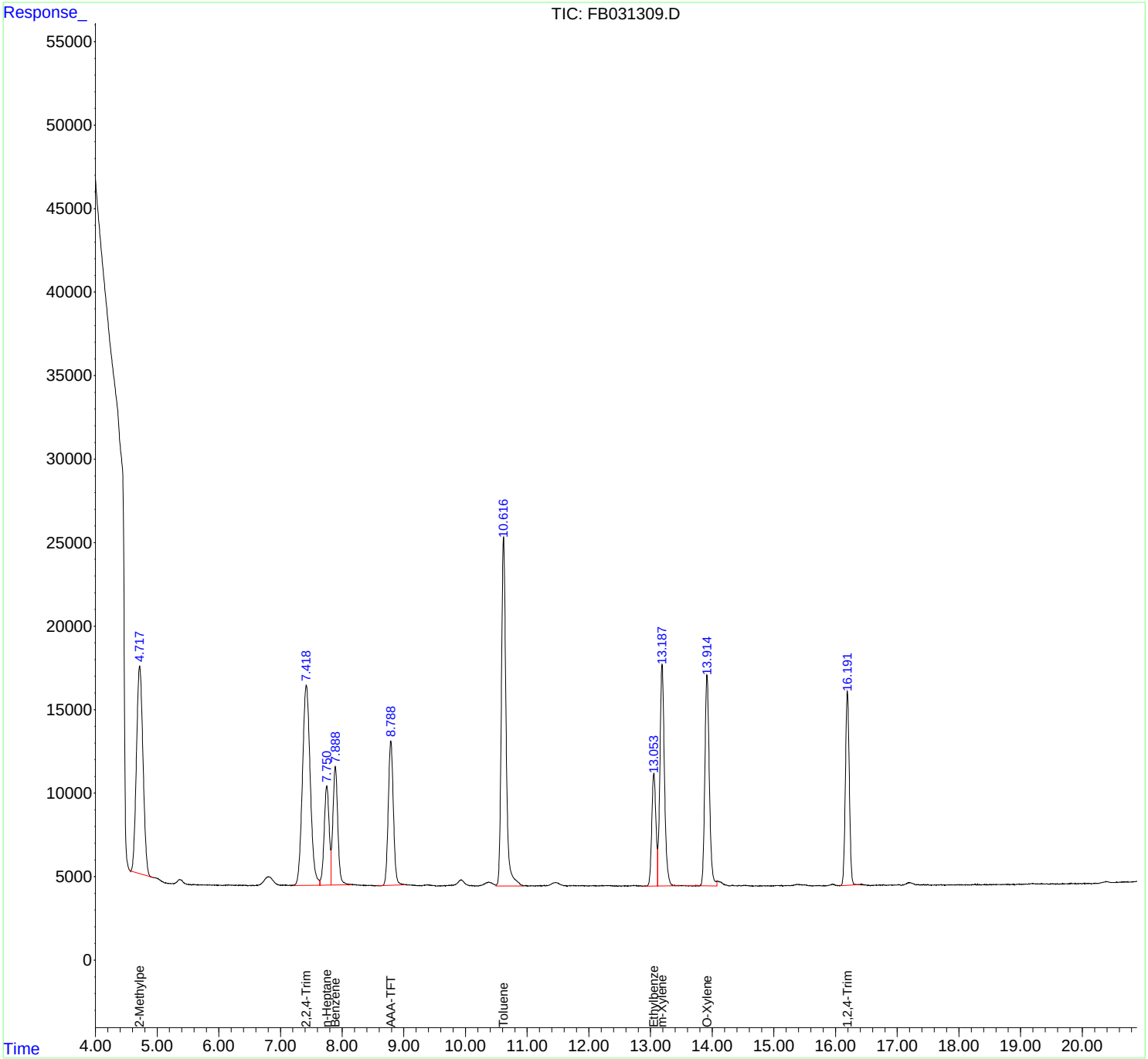
(f)=RT Delta > 1/2 Window (m)=manual int.

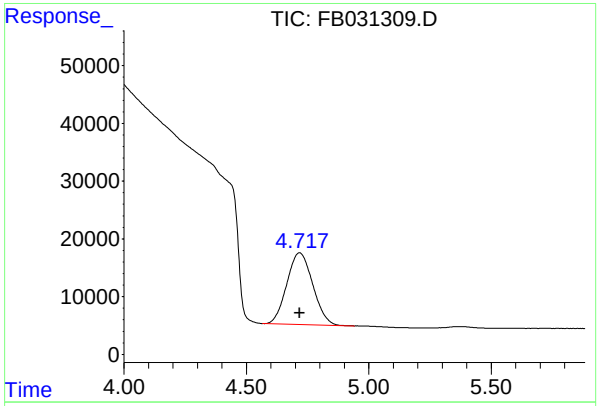
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011525\
Data File : FB031309.D
Signal(s) : FID2B.CH
Acq On : 15 Jan 2025 11:13
Operator : YP/AJ
Sample : 20 GRO STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

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

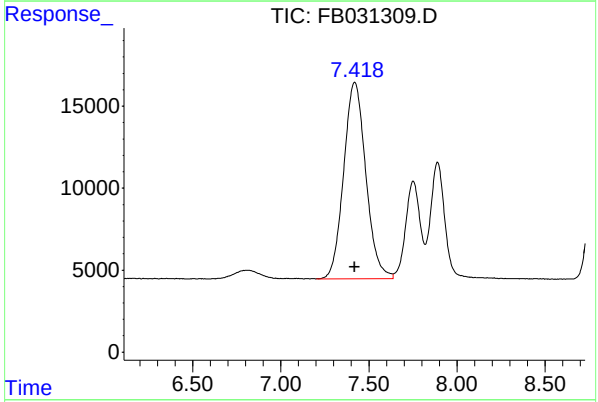




#1 2-Methylpentane

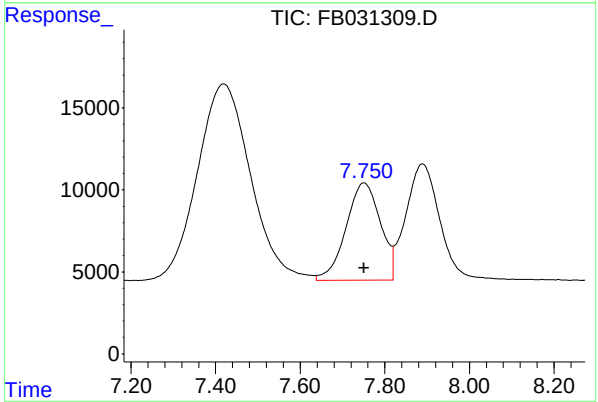
R.T.: 4.718 min
Delta R.T.: 0.000 min
Response: 915530
Conc: 30.00 ng/ml

Instrument :
FID_B
ClientSampleId :
20 GRO STD



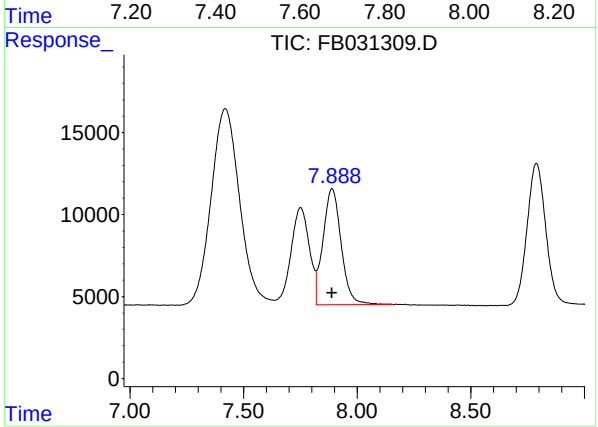
#2 2,2,4-Trimethylpentane

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



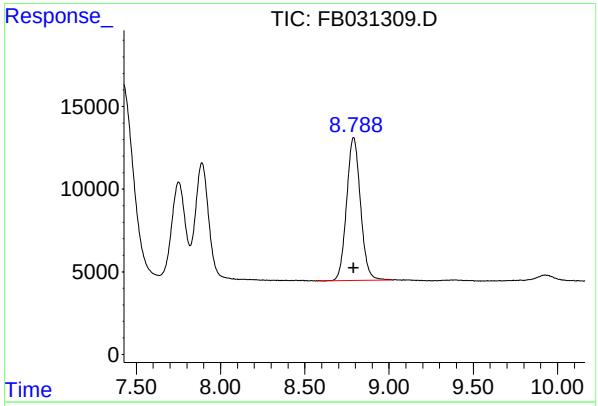
#3 n-Heptane

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



#4 Benzene

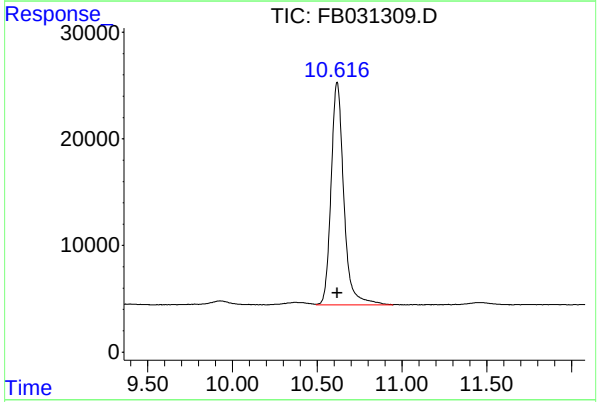
R.T.: 7.890 min
Delta R.T.: 0.000 min
Response: 394556
Conc: 10.00 ng/ml



#5 AAA-TFT

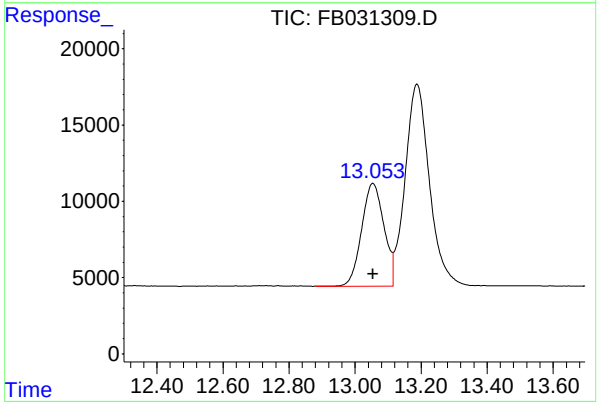
R.T.: 8.790 min
Delta R.T.: 0.000 min
Response: 495333
Conc: 20.00 ng/ml

Instrument :
FID_B
ClientSampleId :
20 GRO STD



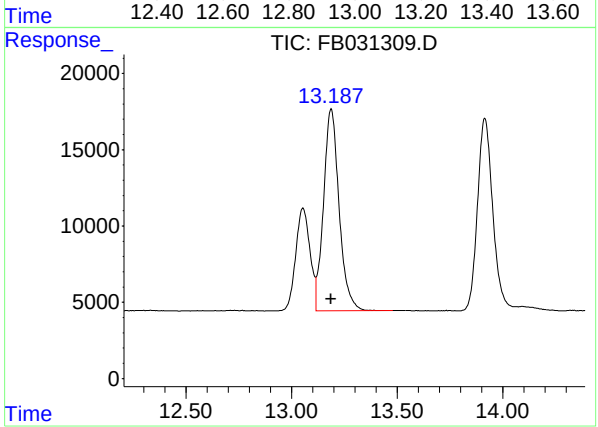
#6 Toluene

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



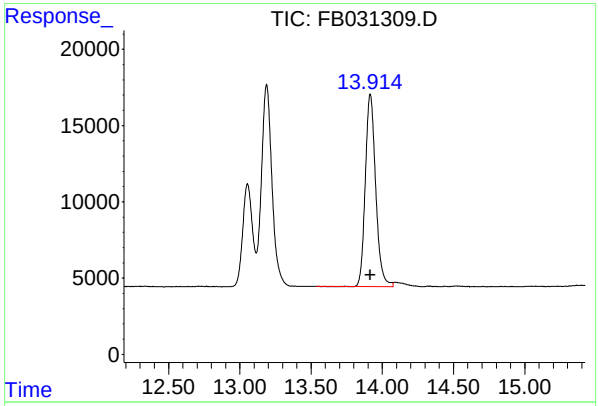
#7 Ethylbenzene

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



#8 m-Xylene

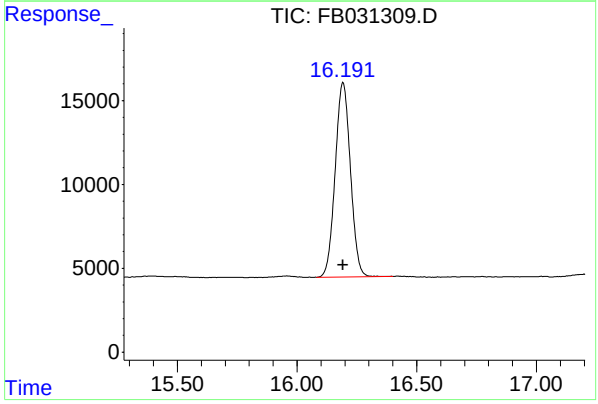
R.T.: 13.188 min
Delta R.T.: 0.000 min
Response: 679935
Conc: 20.00 ng/ml



#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

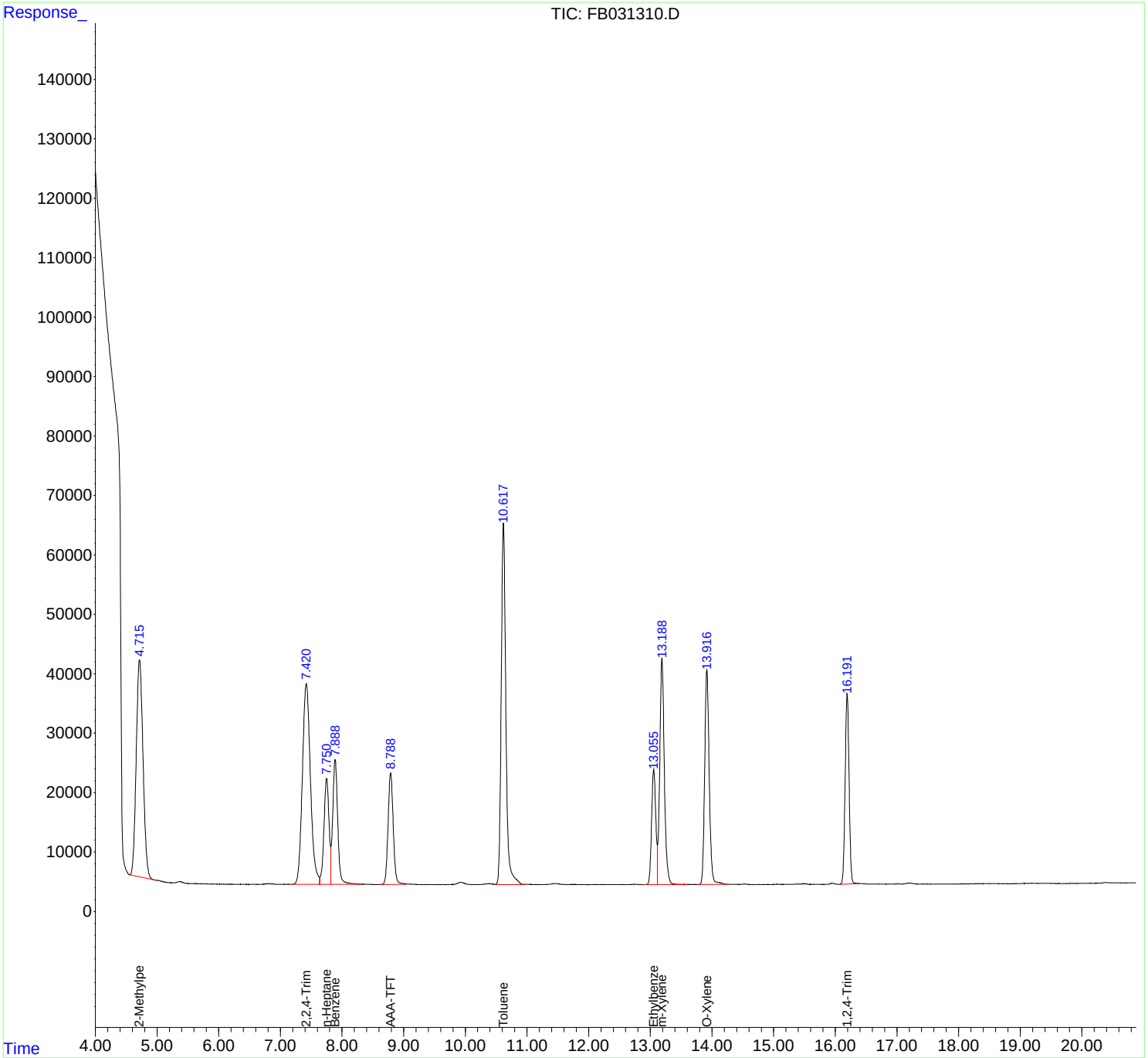
(f)=RT Delta > 1/2 Window (m)=manual int.

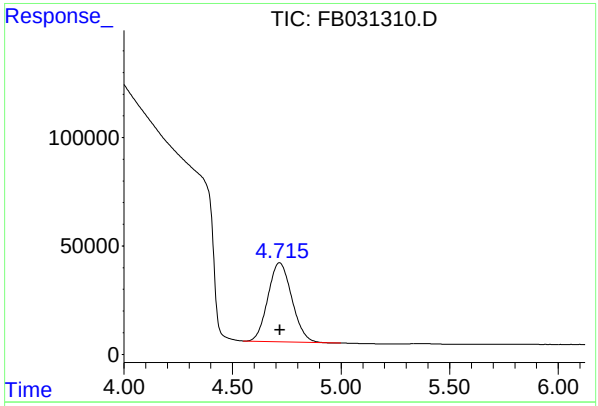
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011525\
Data File : FB031310.D
Signal(s) : FID2B.CH
Acq On : 15 Jan 2025 11:40
Operator : YP/AJ
Sample : 50 GRO STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

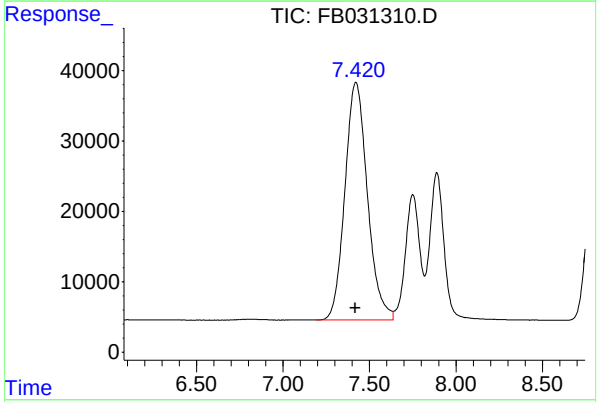




#1 2-Methylpentane

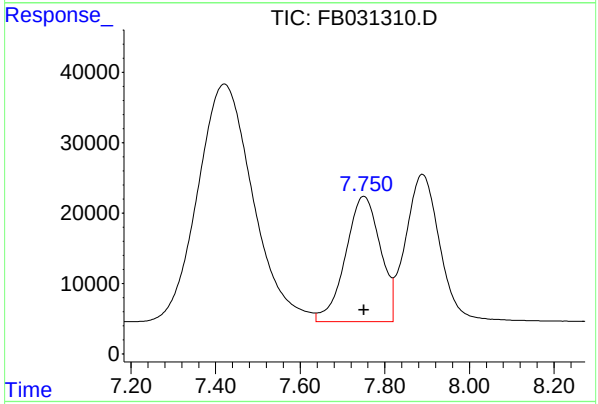
R.T.: 4.716 min
Delta R.T.: -0.002 min
Response: 2794680
Conc: 92.69 ng/ml

Instrument :
FID_B
ClientSampleId :
50 GRO STD



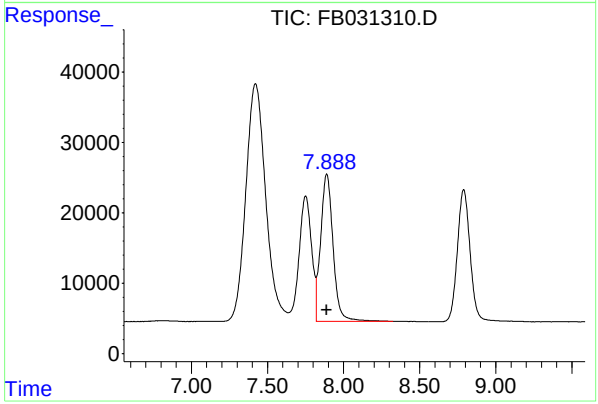
#2 2,2,4-Trimethylpentane

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



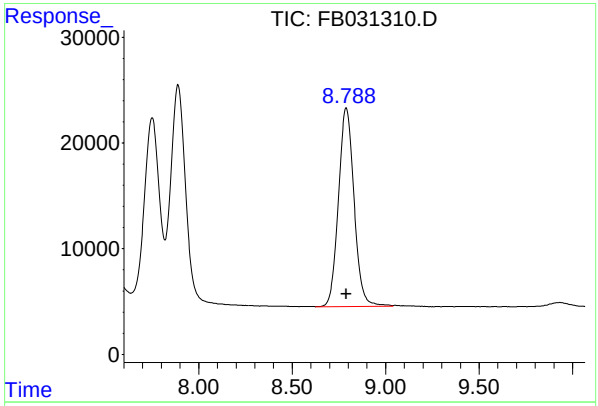
#3 n-Heptane

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



#4 Benzene

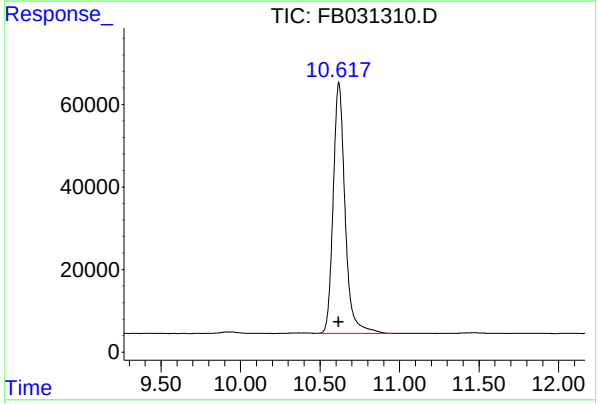
R.T.: 7.889 min
Delta R.T.: 0.000 min
Response: 1195371
Conc: 31.25 ng/ml



#5 AAA-TFT

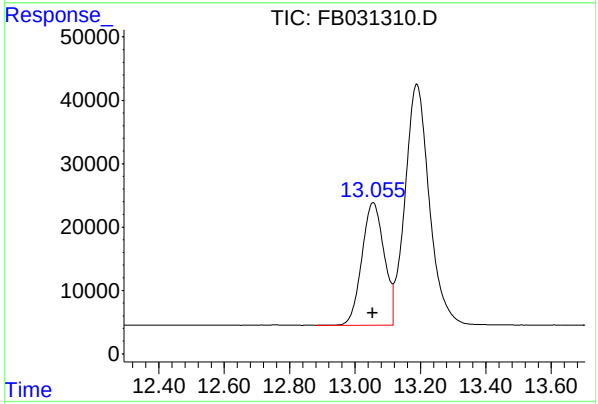
R.T.: 8.789 min
Delta R.T.: 0.000 min
Response: 1088363
Conc: 45.07 ng/ml

Instrument :
FID_B
ClientSampleId :
50 GRO STD



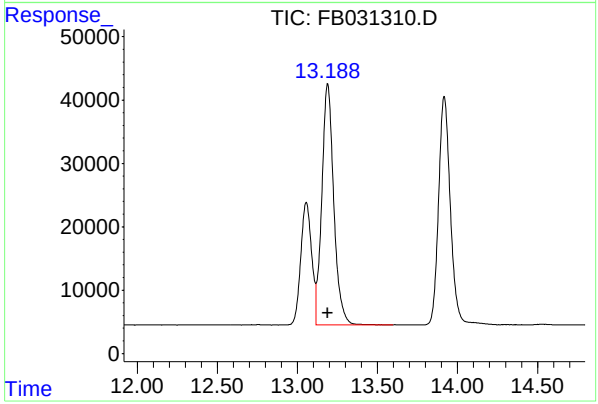
#6 Toluene

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



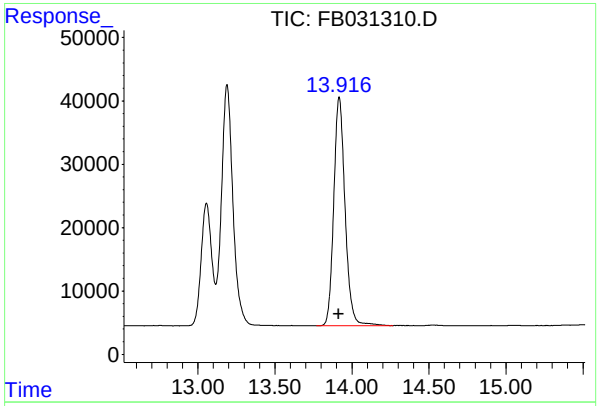
#7 Ethylbenzene

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



#8 m-Xylene

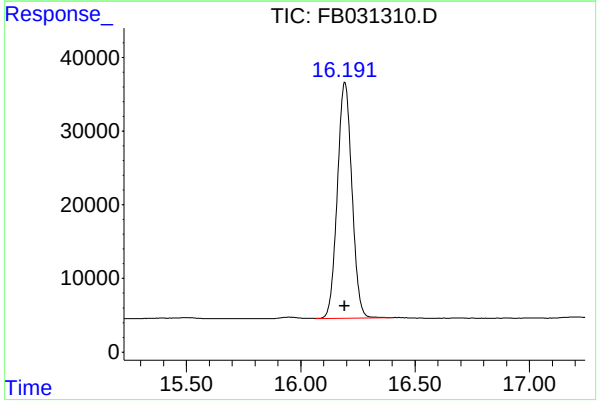
R.T.: 13.189 min
Delta R.T.: 0.001 min
Response: 1979254
Conc: 55.92 ng/ml



#9 O-Xylene

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

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

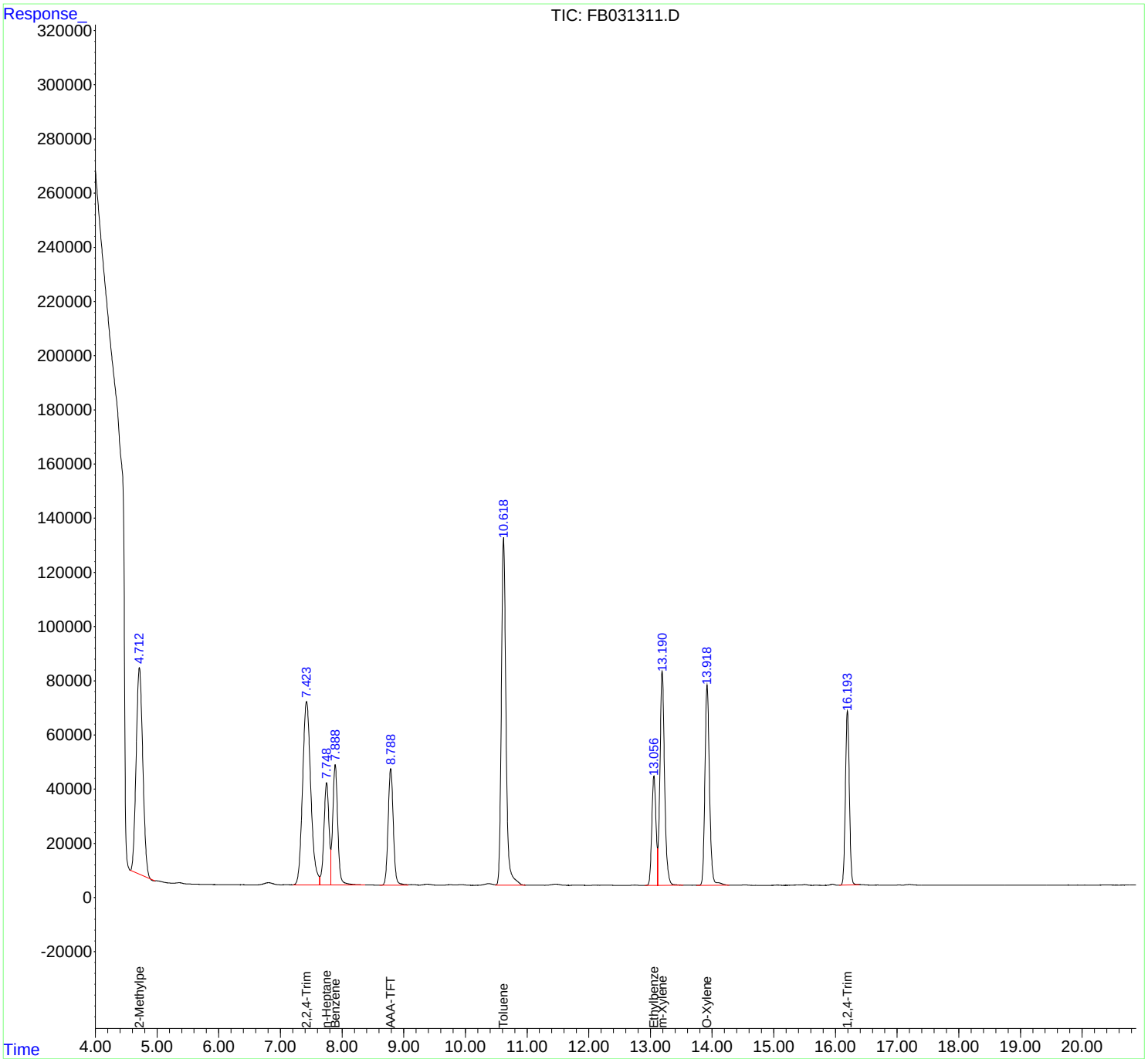
(f)=RT Delta > 1/2 Window (m)=manual int.

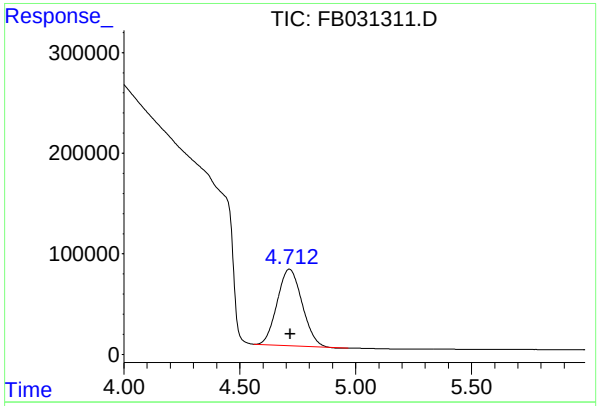
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011525\
Data File : FB031311.D
Signal(s) : FID2B.CH
Acq On : 15 Jan 2025 12:07
Operator : YP/AJ
Sample : 100 GRO STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

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

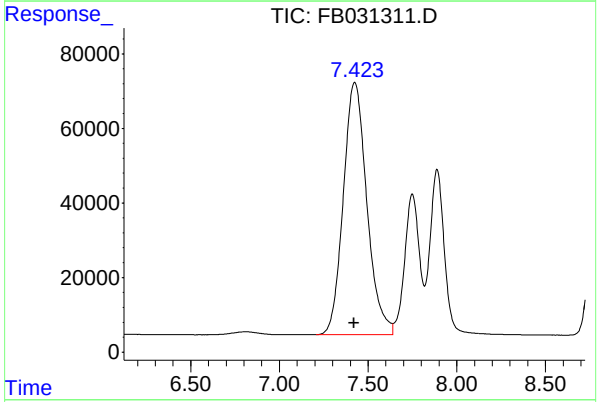




#1 2-Methylpentane

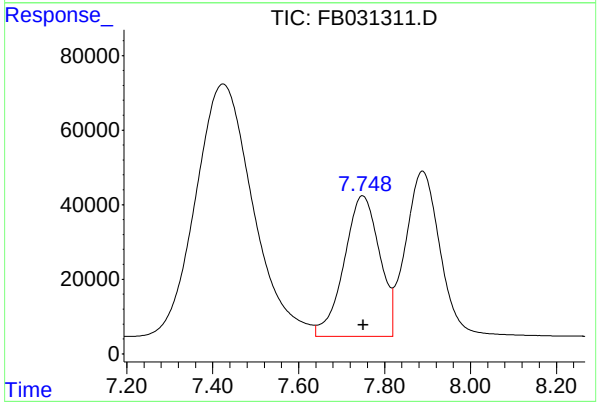
R.T.: 4.714 min
Delta R.T.: -0.004 min
Response: 5701862
Conc: 178.58 ng/ml

Instrument :
FID_B
ClientSampleId :
100 GRO STD



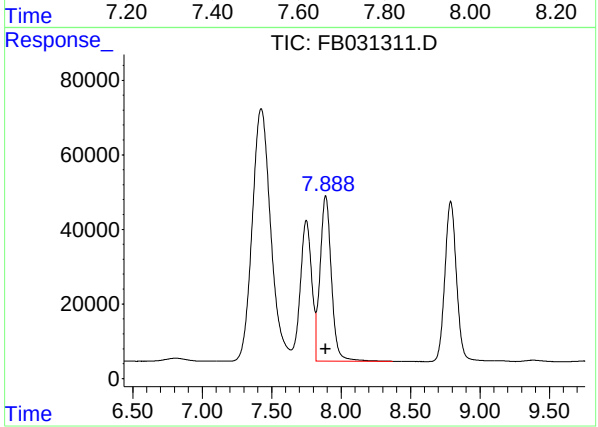
#2 2,2,4-Trimethylpentane

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



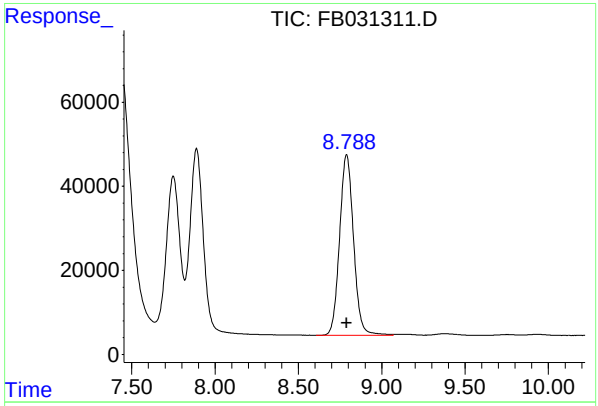
#3 n-Heptane

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



#4 Benzene

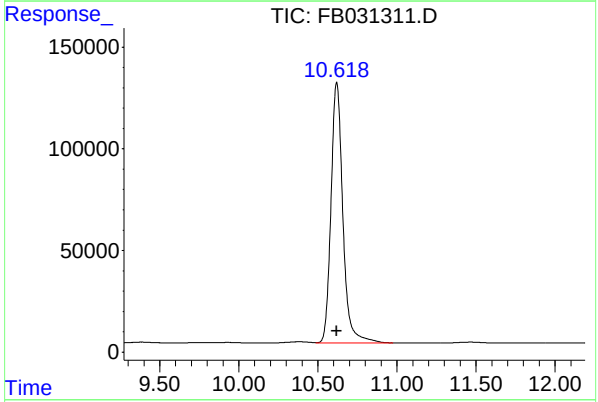
R.T.: 7.889 min
Delta R.T.: 0.000 min
Response: 2519199
Conc: 61.99 ng/ml



#5 AAA-TFT

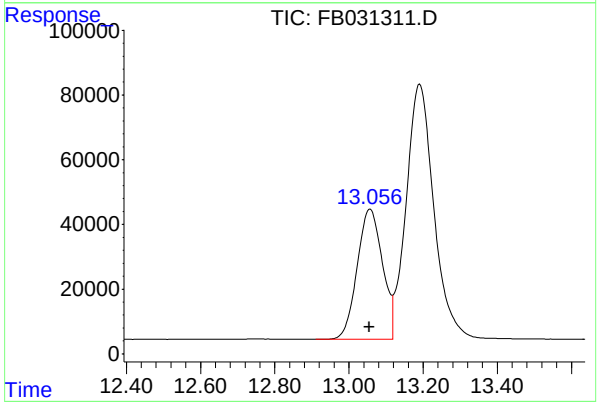
R.T.: 8.789 min
Delta R.T.: 0.000 min
Response: 2505507
Conc: 106.38 ng/ml

Instrument :
FID_B
ClientSampleId :
100 GRO STD



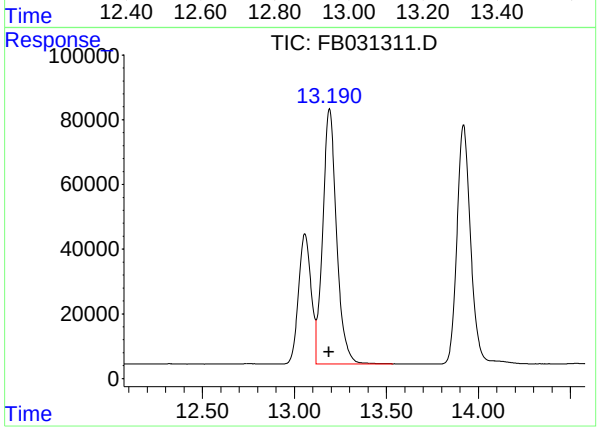
#6 Toluene

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



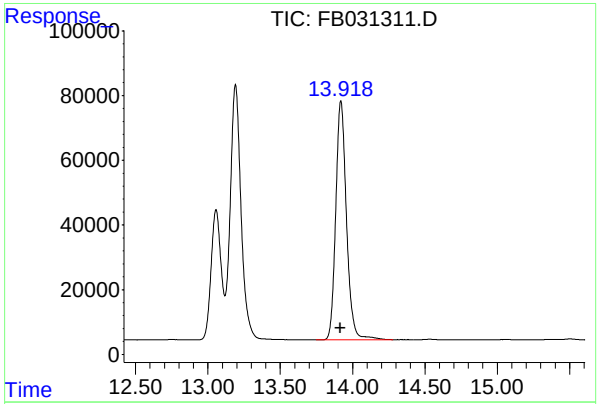
#7 Ethylbenzene

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



#8 m-Xylene

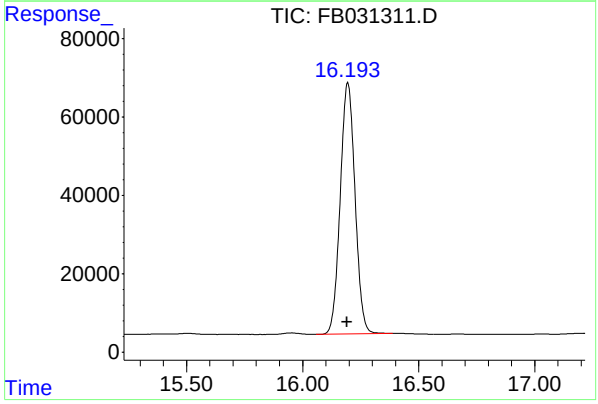
R.T.: 13.191 min
Delta R.T.: 0.003 min
Response: 4113116
Conc: 112.87 ng/ml



#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

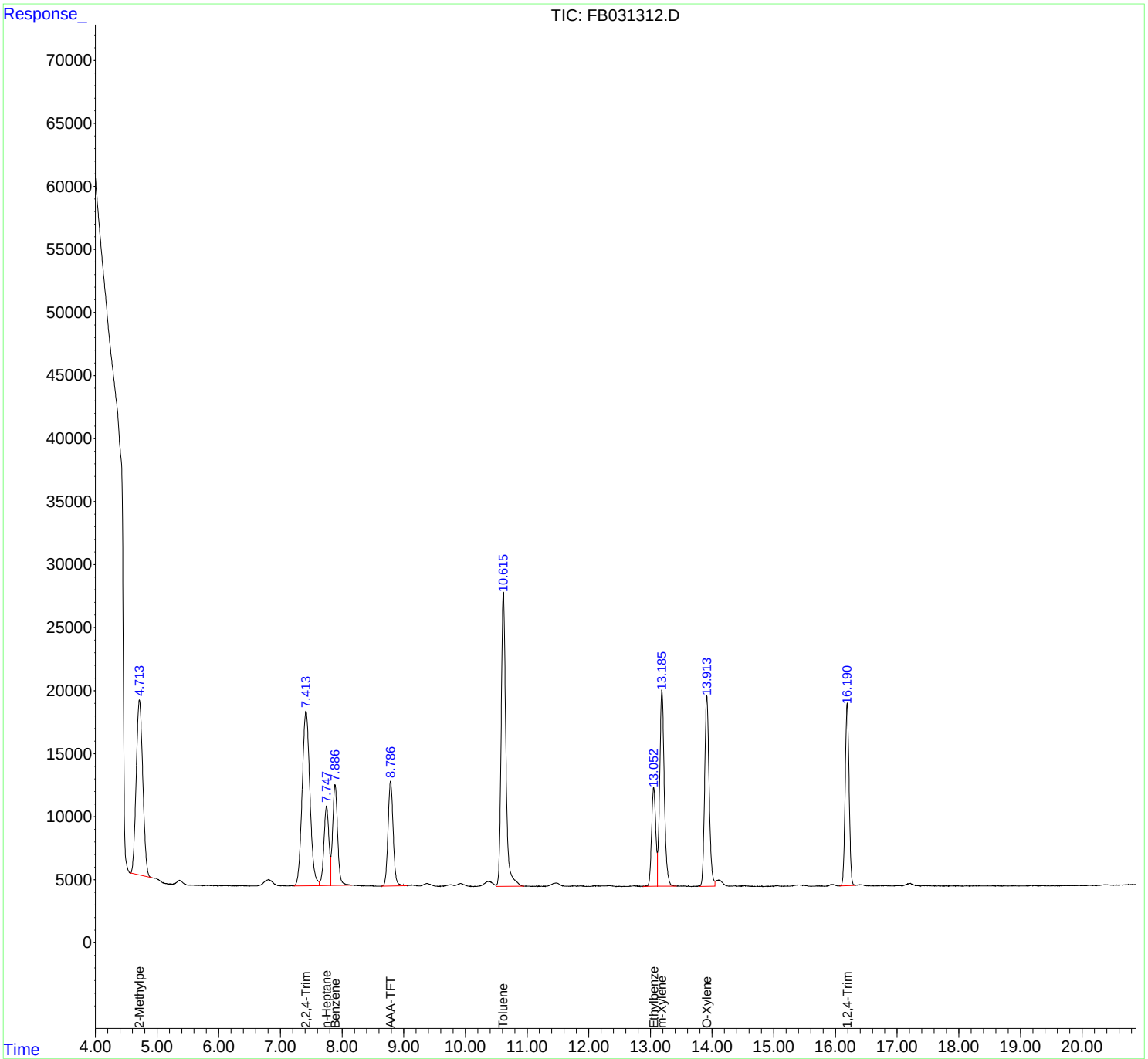
(f)=RT Delta > 1/2 Window (m)=manual int.

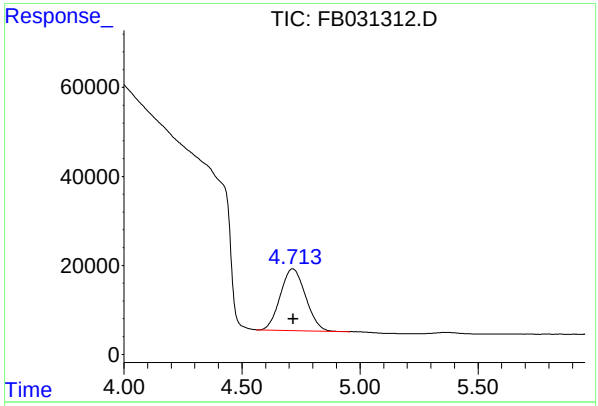
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011525\
Data File : FB031312.D
Signal(s) : FID2B.CH
Acq On : 15 Jan 2025 12:44
Operator : YP/AJ
Sample : FB011525GROICV
Misc :
ALS Vial : 6 Sample Multiplier: 1

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

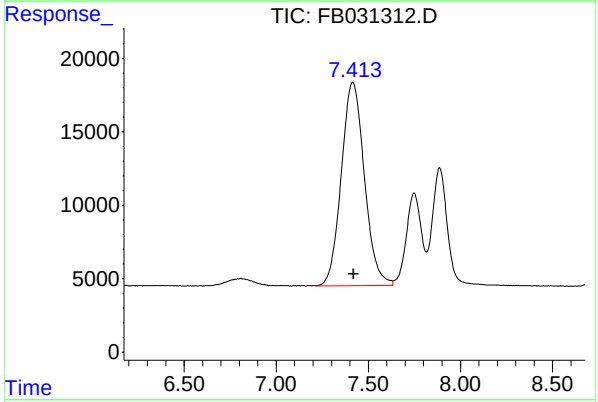




#1 2-Methylpentane

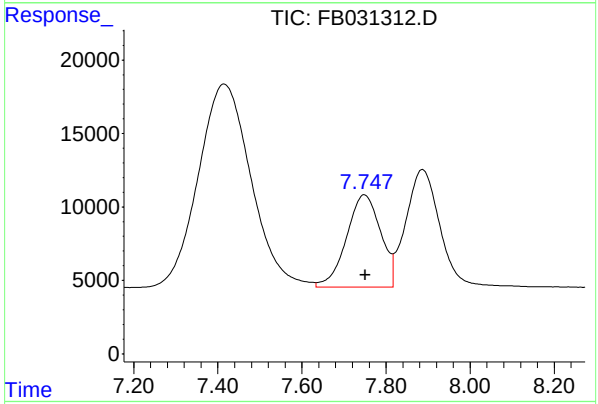
R.T.: 4.715 min
Delta R.T.: -0.003 min
Response: 1029585
Conc: 31.06 ng/ml

Instrument :
FID_B
ClientSampleId :
FB011525GROICV



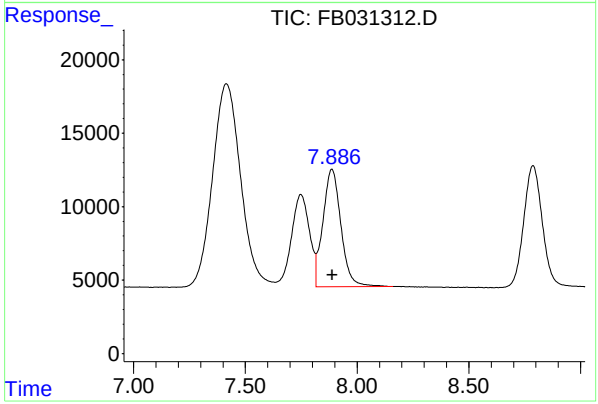
#2 2,2,4-Trimethylpentane

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



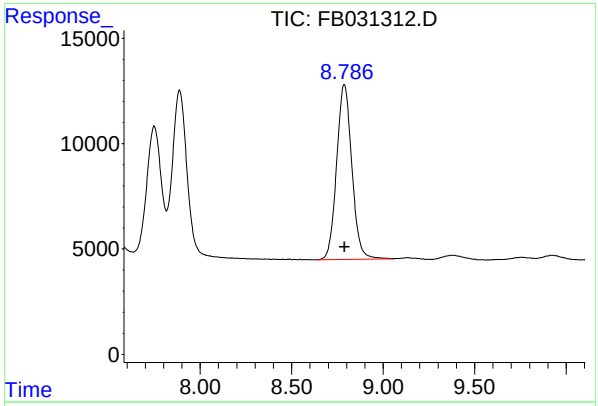
#3 n-Heptane

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



#4 Benzene

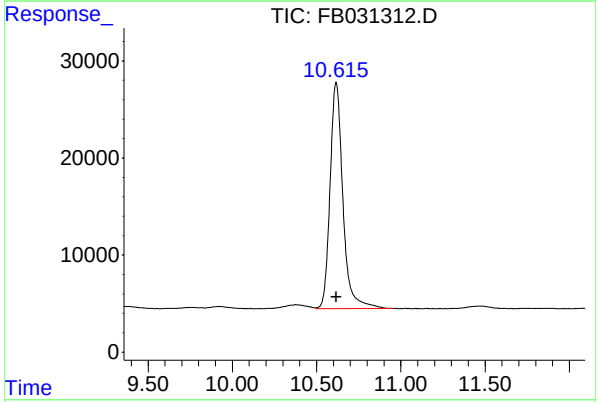
R.T.: 7.887 min
Delta R.T.: -0.003 min
Response: 448910
Conc: 10.54 ng/ml



#5 AAA-TFT

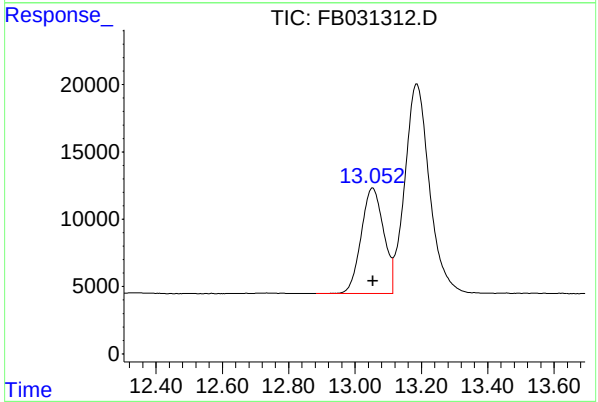
R.T.: 8.788 min
Delta R.T.: -0.002 min
Response: 479840
Conc: 20.12 ng/ml

Instrument :
FID_B
ClientSampleId :
FB011525GROICV



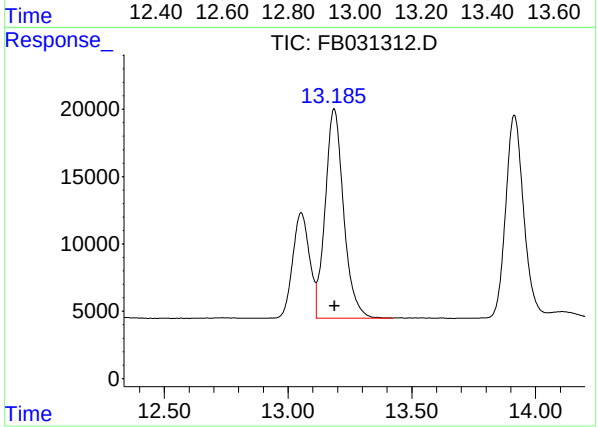
#6 Toluene

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



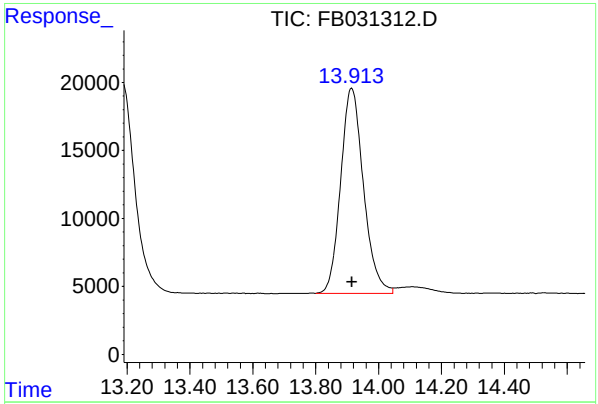
#7 Ethylbenzene

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



#8 m-Xylene

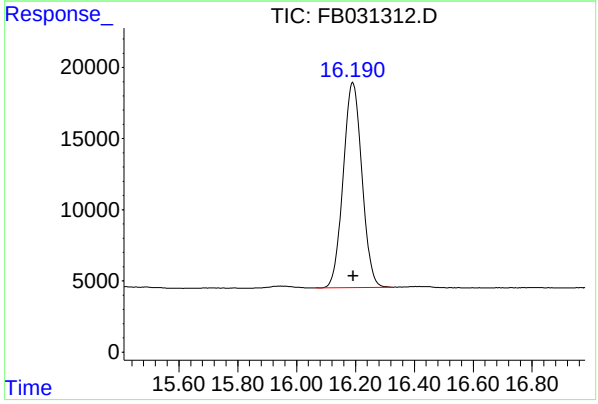
R.T.: 13.186 min
Delta R.T.: -0.002 min
Response: 805181
Conc: 21.54 ng/ml



#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.: Q1241 SAS No.: Q1241 SDG No.: Q1241

DataFile: FB031412.D Analyst Name: YP/AJ Analyst Date: 01-31-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	6268334	34824	35852	2.867

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013125\
Data File : FB031412.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 9:03
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: Feb 01 00:14:56 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	8.786	411370	17.246	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.714	858048	25.887	ng/ml
2) t	2,2,4-Trimethylpentane	7.416	1100093	29.252	ng/ml
3) t	n-Heptane	7.747	331592	9.186	ng/ml
4) t	Benzene	7.886	438204	10.289	ng/ml
6) t	Toluene	10.615	1185304	30.356	ng/ml
7) t	Ethylbenzene	13.054	344755	9.956	ng/ml
8) t	m-Xylene	13.187	740500	19.810	ng/ml
9) t	O-Xylene	13.915	709141	19.912	ng/ml
10) t	1,2,4-Trimethylbenzene	16.193	560697	19.798	ng/ml

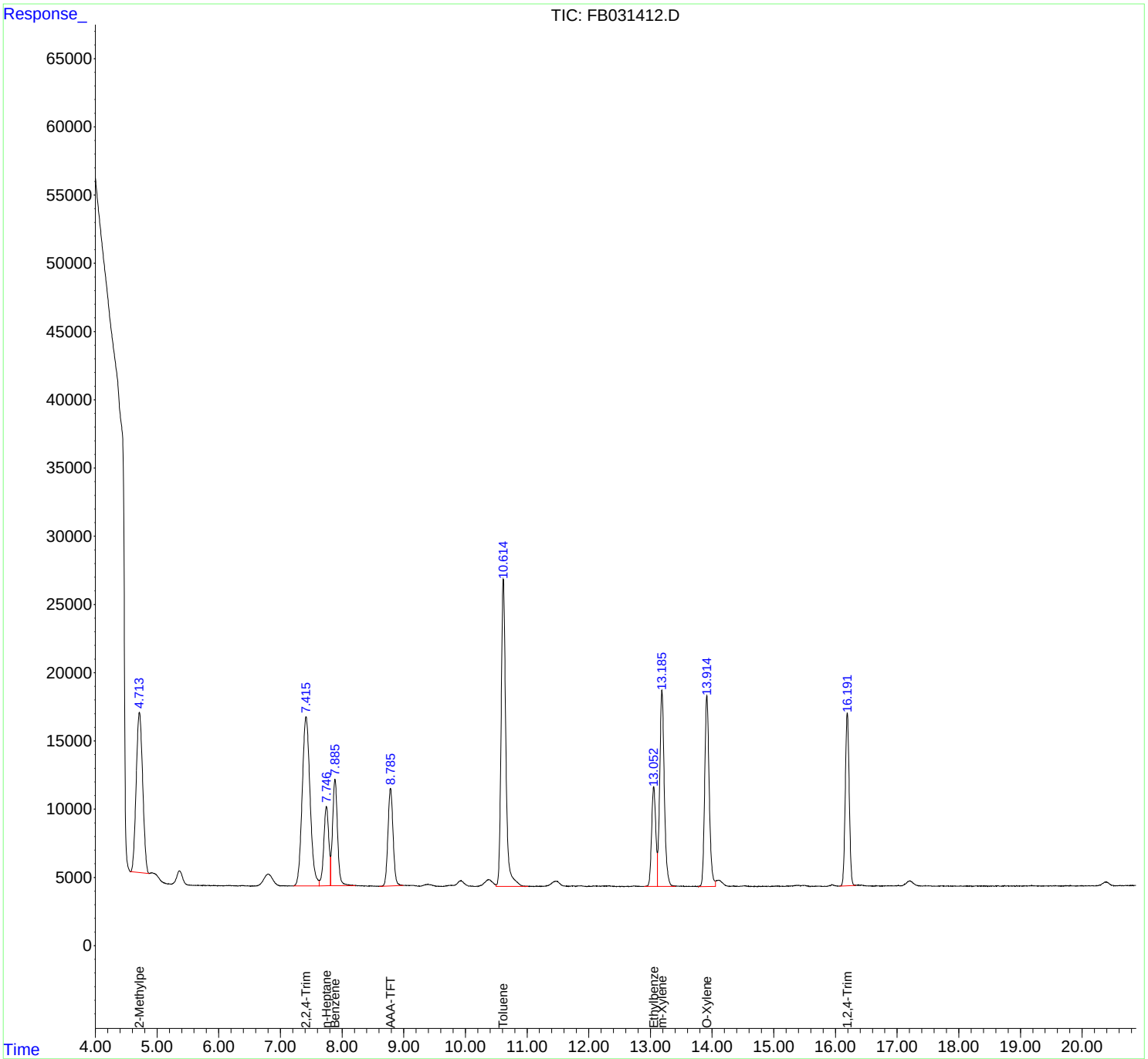
(f)=RT Delta > 1/2 Window (m)=manual int.

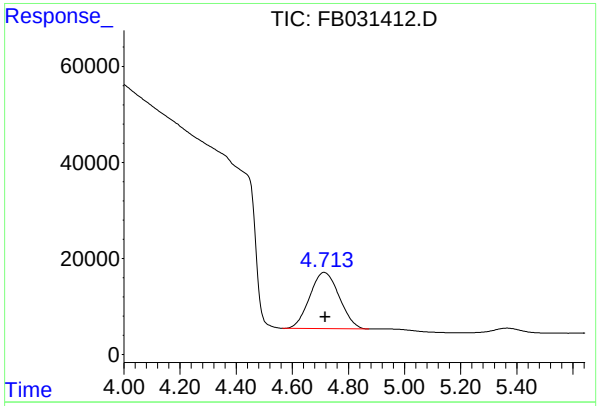
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013125\
Data File : FB031412.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 9:03
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Feb 01 00:14:56 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

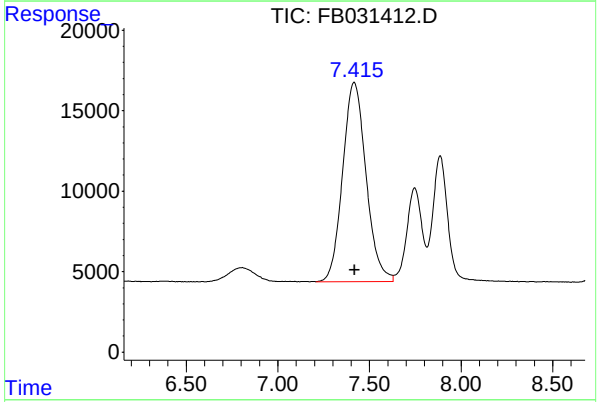




#1 2-Methylpentane

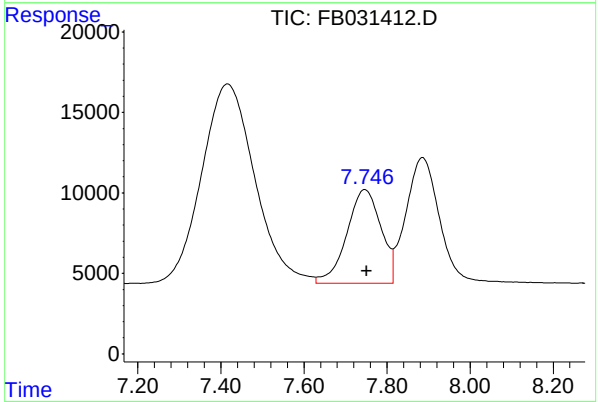
R.T.: 4.714 min
Delta R.T.: -0.004 min
Response: 858048
Conc: 25.89 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



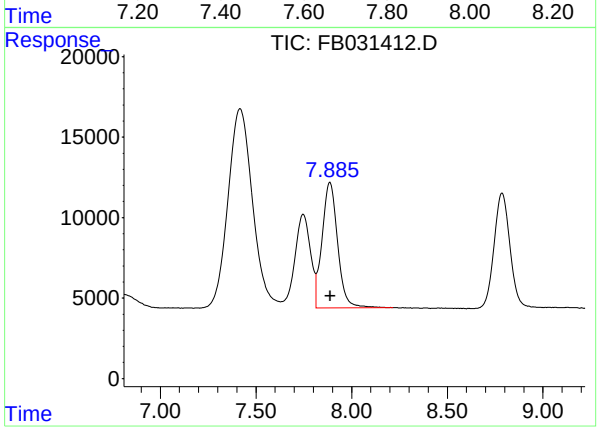
#2 2,2,4-Trimethylpentane

R.T.: 7.416 min
Delta R.T.: -0.003 min
Response: 1100093
Conc: 29.25 ng/ml



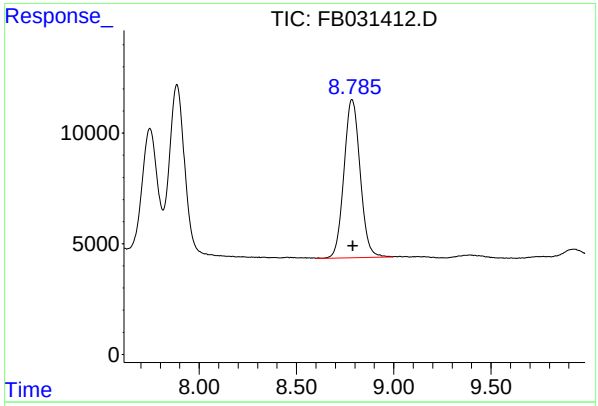
#3 n-Heptane

R.T.: 7.747 min
Delta R.T.: -0.004 min
Response: 331592
Conc: 9.19 ng/ml



#4 Benzene

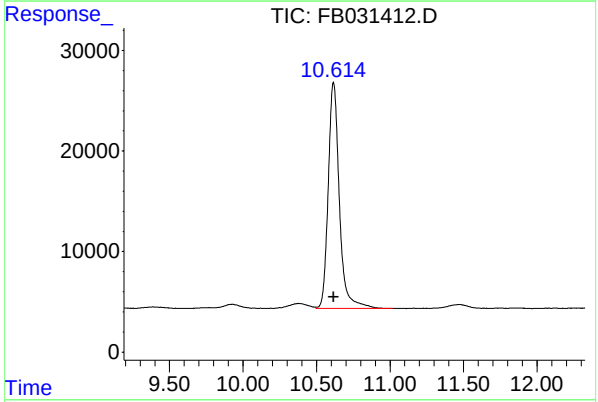
R.T.: 7.886 min
Delta R.T.: -0.004 min
Response: 438204
Conc: 10.29 ng/ml



#5 AAA-TFT

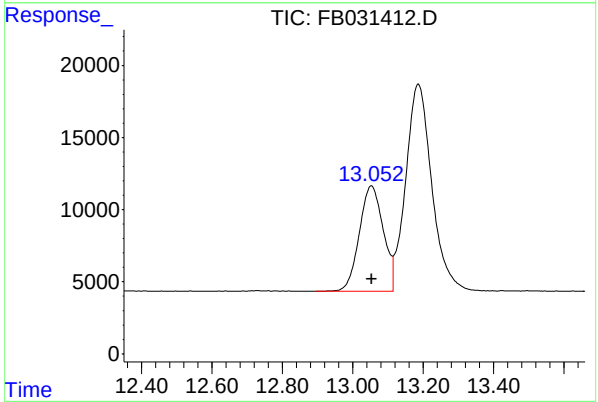
R.T.: 8.786 min
Delta R.T.: -0.004 min
Response: 411370
Conc: 17.25 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



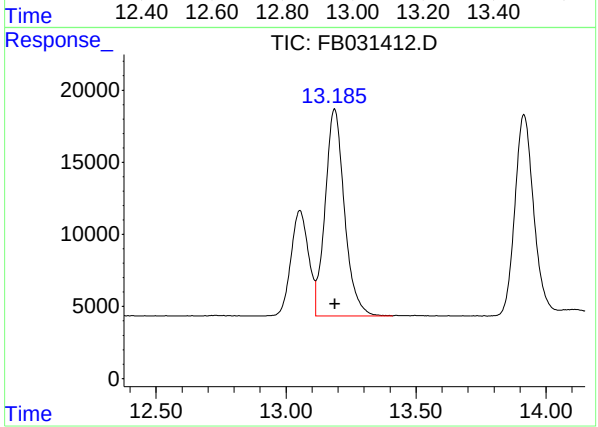
#6 Toluene

R.T.: 10.615 min
Delta R.T.: -0.002 min
Response: 1185304
Conc: 30.36 ng/ml



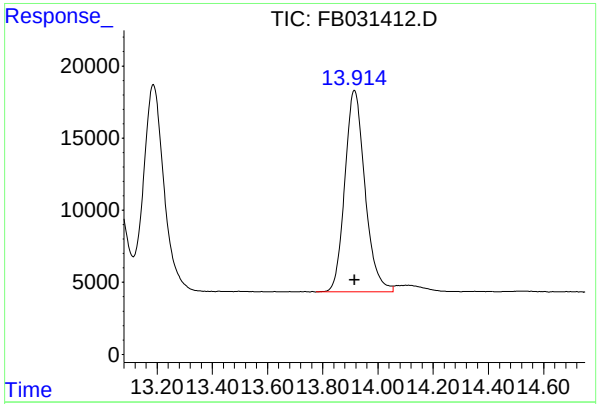
#7 Ethylbenzene

R.T.: 13.054 min
Delta R.T.: 0.000 min
Response: 344755
Conc: 9.96 ng/ml



#8 m-Xylene

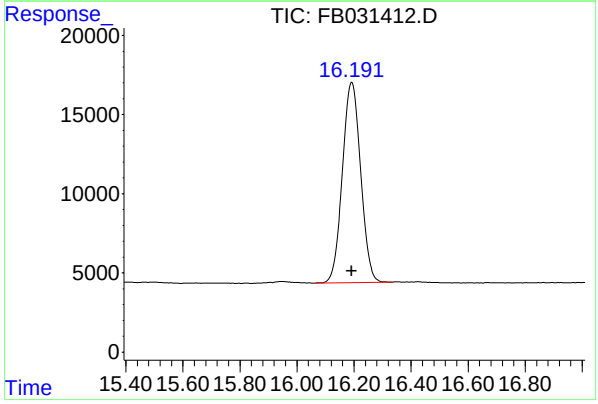
R.T.: 13.187 min
Delta R.T.: -0.001 min
Response: 740500
Conc: 19.81 ng/ml



#9 O-Xylene

R.T.: 13.915 min
Delta R.T.: 0.000 min
Response: 709141
Conc: 19.91 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: 560697
Conc: 19.80 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013125\
Data File : FB031412.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 9:03
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	4.714	4.565	4.874	BV	11747	858048	72.39%	12.846%
2	7.416	7.209	7.629	PV	12395	1100093	92.81%	16.469%
3	7.747	7.629	7.814	VV	5820	331592	27.98%	4.964%
4	7.886	7.814	8.217	VV	7807	438204	36.97%	6.560%
5	8.786	8.601	8.996	PV	7156	411370	34.71%	6.159%
6	10.615	10.496	11.020	VV	22495	1185304	100.00%	17.745%
7	13.054	12.896	13.114	BV	7315	344755	29.09%	5.161%
8	13.187	13.114	13.410	VV	14382	740500	62.47%	11.086%
9	13.915	13.776	14.055	PV	13987	709141	59.83%	10.616%
10	16.193	16.066	16.336	PV	12667	560697	47.30%	8.394%

Sum of corrected areas: 6679704

FB011525.M Sat Feb 01 00:45:36 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.: Q1241 SAS No.: Q1241 SDG No.: Q1241

DataFile: FB031421.D Analyst Name: YP/AJ Analyst Date: 01-31-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	5823973	32355	35852	9.754

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013125\
Data File : FB031421.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 13:38
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Feb 01 00:16:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
5) s	AAA-TFT	8.791	502716	21.076	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.717	735152	22.179	ng/ml
2) t	2,2,4-Trimethylpentane	7.420	990812	26.346	ng/ml
3) t	n-Heptane	7.753	292997	8.116	ng/ml
4) t	Benzene	7.891	415541	9.757	ng/ml
6) t	Toluene	10.621	1137456	29.131	ng/ml
7) t	Ethylbenzene	13.058	330465	9.543	ng/ml
8) t	m-Xylene	13.192	717104	19.185	ng/ml
9) t	O-Xylene	13.920	671452	18.854	ng/ml
10) t	1,2,4-Trimethylbenzene	16.196	532994	18.820	ng/ml

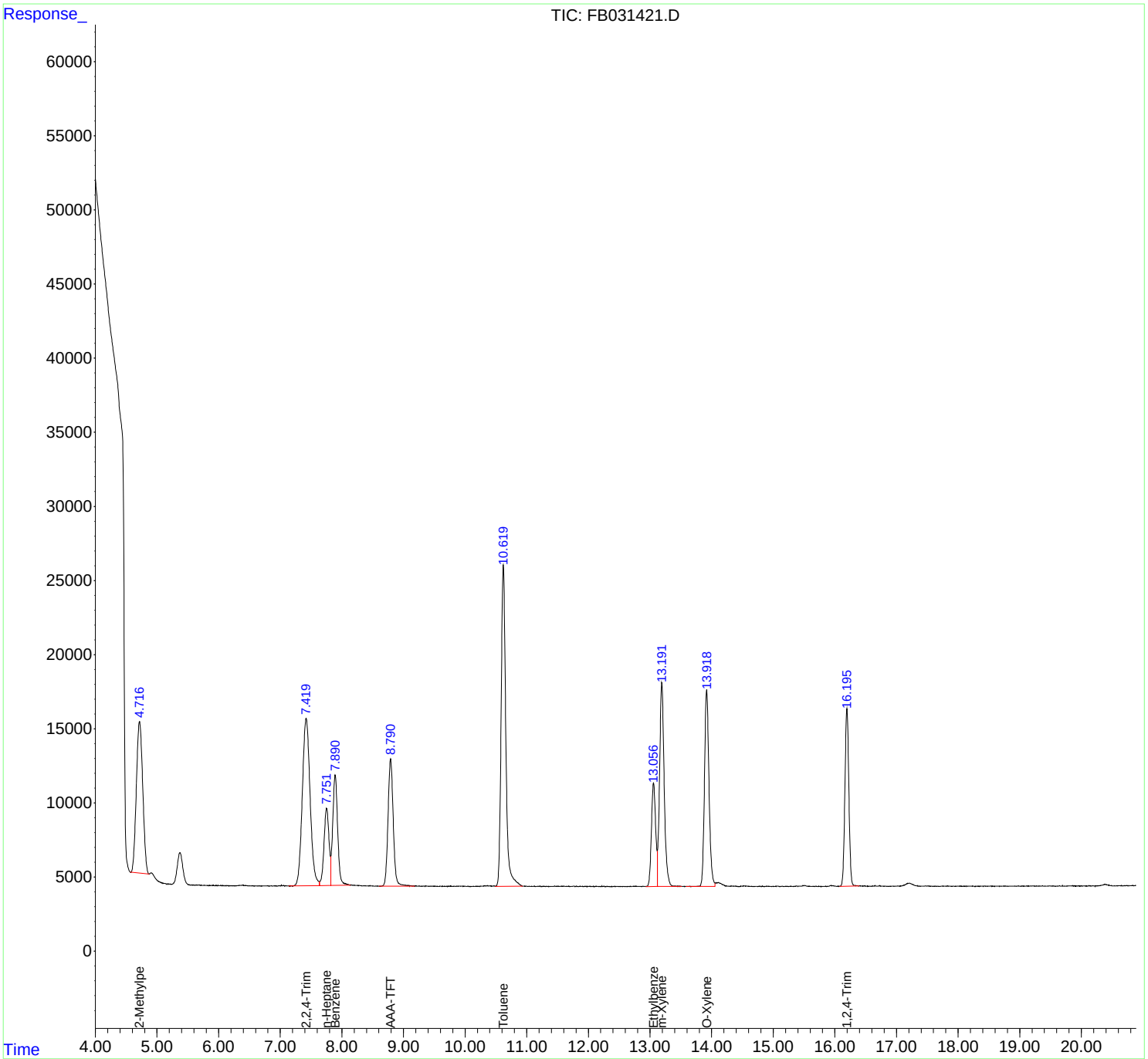
(f)=RT Delta > 1/2 Window (m)=manual int.

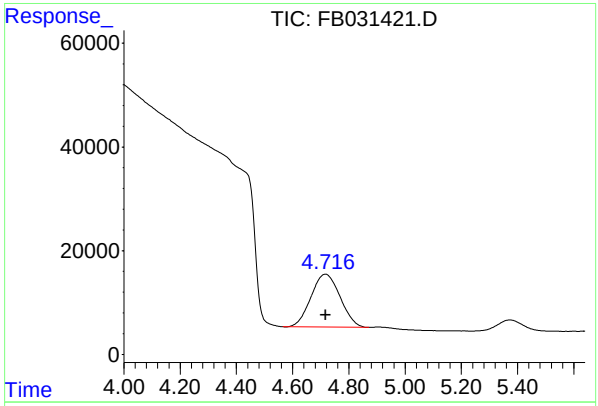
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013125\
Data File : FB031421.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 13:38
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Feb 01 00:16:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

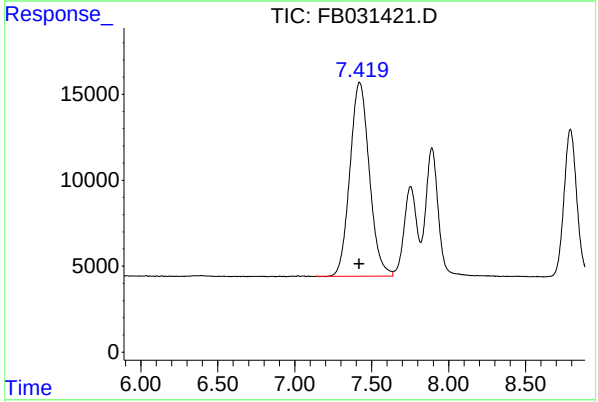




#1 2-Methylpentane

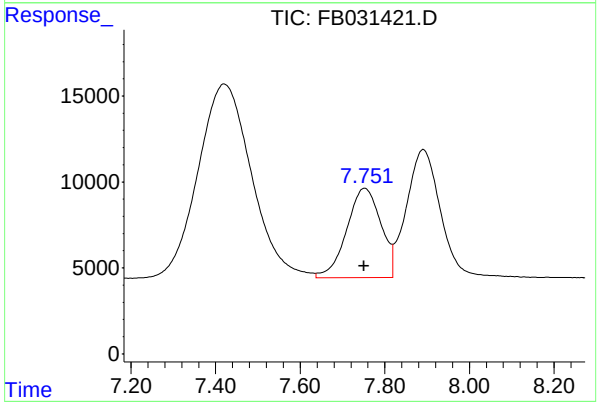
R.T.: 4.717 min
Delta R.T.: 0.000 min
Response: 735152
Conc: 22.18 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



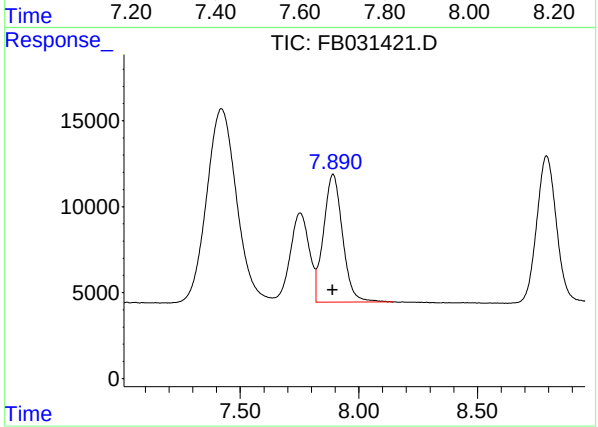
#2 2,2,4-Trimethylpentane

R.T.: 7.420 min
Delta R.T.: 0.000 min
Response: 990812
Conc: 26.35 ng/ml



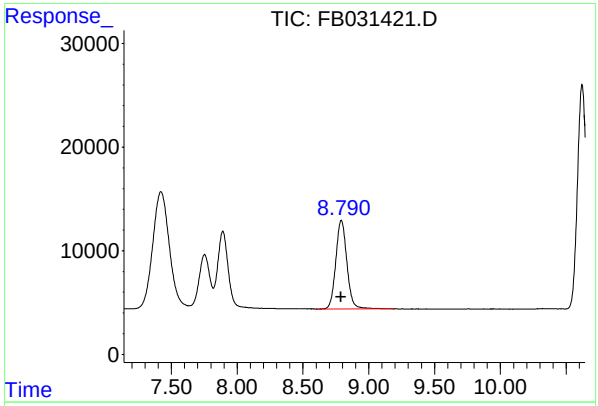
#3 n-Heptane

R.T.: 7.753 min
Delta R.T.: 0.002 min
Response: 292997
Conc: 8.12 ng/ml



#4 Benzene

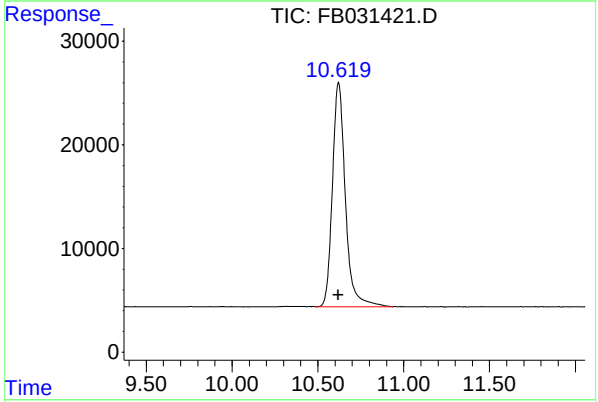
R.T.: 7.891 min
Delta R.T.: 0.002 min
Response: 415541
Conc: 9.76 ng/ml



#5 AAA-TFT

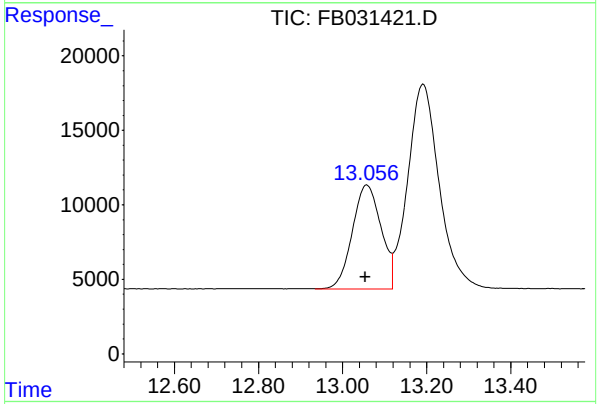
R.T.: 8.791 min
Delta R.T.: 0.002 min
Response: 502716
Conc: 21.08 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



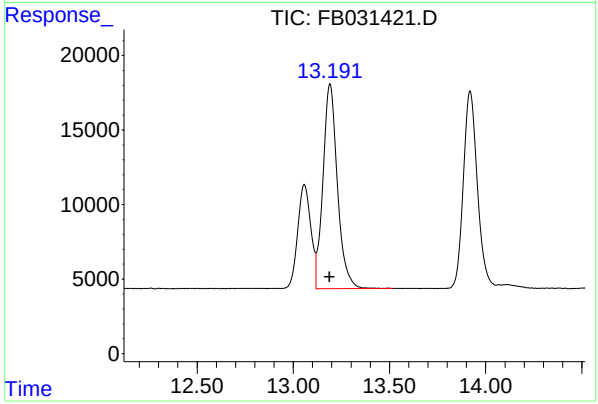
#6 Toluene

R.T.: 10.621 min
Delta R.T.: 0.003 min
Response: 1137456
Conc: 29.13 ng/ml



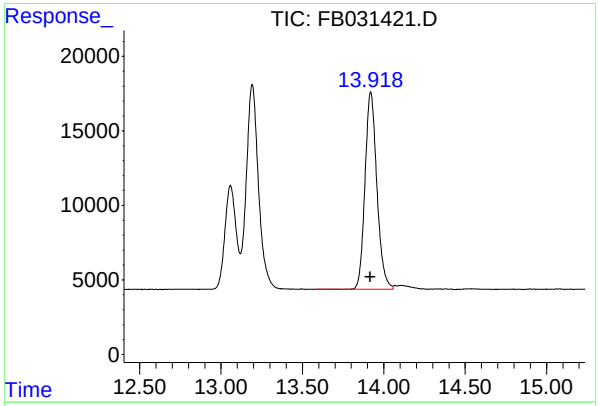
#7 Ethylbenzene

R.T.: 13.058 min
Delta R.T.: 0.003 min
Response: 330465
Conc: 9.54 ng/ml



#8 m-Xylene

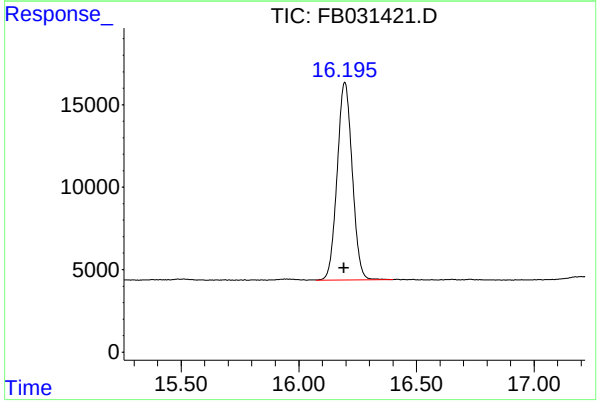
R.T.: 13.192 min
Delta R.T.: 0.004 min
Response: 717104
Conc: 19.18 ng/ml



#9 O-Xylene

R.T.: 13.920 min
Delta R.T.: 0.004 min
Response: 671452
Conc: 18.85 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



#10 1,2,4-Trimethylbenzene

R.T.: 16.196 min
Delta R.T.: 0.004 min
Response: 532994
Conc: 18.82 ng/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013125\
Data File : FB031421.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 13:38
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File: Calibration.e

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

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.717	4.565	4.872	BV	10223	735152	64.63%	11.620%
2	7.420	7.137	7.637	VV	11293	990812	87.11%	15.661%
3	7.753	7.637	7.819	VV	5209	292997	25.76%	4.631%
4	7.891	7.819	8.143	VV	7454	415541	36.53%	6.568%
5	8.791	8.601	9.185	BV	8580	502716	44.20%	7.946%
6	10.621	10.489	10.937	PV	21669	1137456	100.00%	17.979%
7	13.058	12.935	13.119	VV	6976	330465	29.05%	5.223%
8	13.192	13.119	13.519	VB	13749	717104	63.04%	11.335%
9	13.920	13.583	14.056	BV	13260	671452	59.03%	10.613%
10	16.196	16.074	16.401	BBA	11995	532994	46.86%	8.425%

Sum of corrected areas: 6326687

FB011525.M Sat Feb 01 00:47:31 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.: Q1241 SAS No.: Q1241 SDG No.: Q1241

DataFile: FB031432.D Analyst Name: YP/AJ Analyst Date: 01-31-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	5733618	31853	35852	11.154

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013125\
Data File : FB031432.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 18:58
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Feb 01 00:17:05 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	8.793	454503	19.055	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.718	714491	21.556	ng/ml
2) t	2,2,4-Trimethylpentane	7.423	976506	25.966	ng/ml
3) t	n-Heptane	7.754	284660	7.885	ng/ml
4) t	Benzene	7.893	415623	9.759	ng/ml
6) t	Toluene	10.623	1127689	28.881	ng/ml
7) t	Ethylbenzene	13.059	325697	9.405	ng/ml
8) t	m-Xylene	13.193	701131	18.757	ng/ml
9) t	O-Xylene	13.921	669399	18.796	ng/ml
10) t	1,2,4-Trimethylbenzene	16.197	518422	18.305	ng/ml

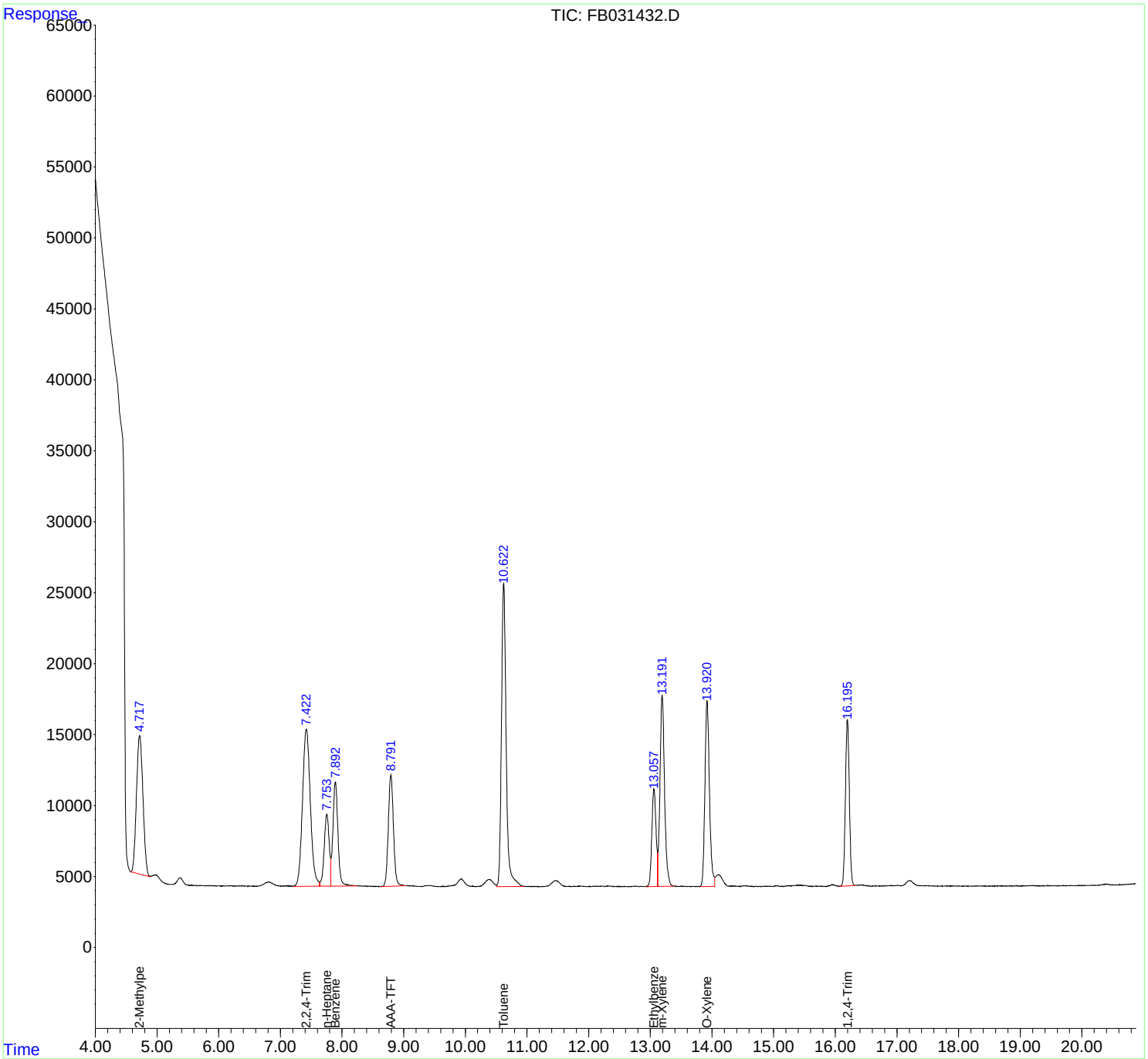
(f)=RT Delta > 1/2 Window (m)=manual int.

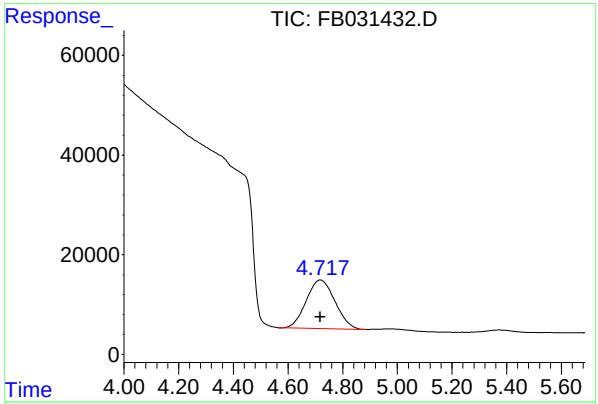
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013125\
Data File : FB031432.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 18:58
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Feb 01 00:17:05 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

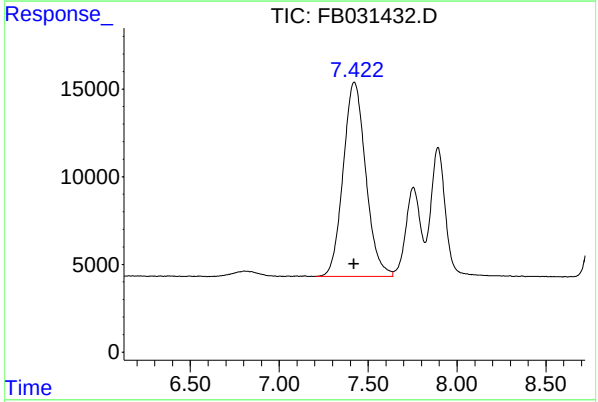




#1 2-Methylpentane

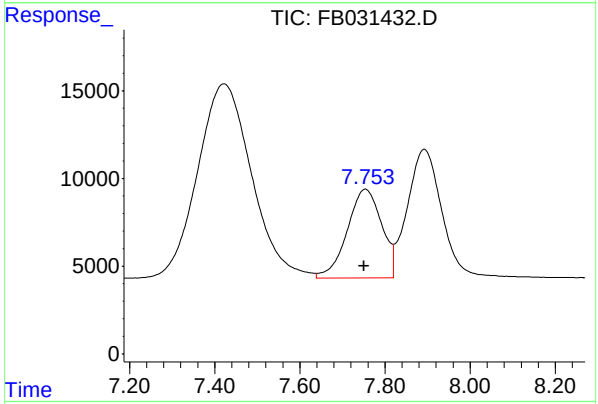
R.T.: 4.718 min
Delta R.T.: 0.000 min
Response: 714491
Conc: 21.56 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



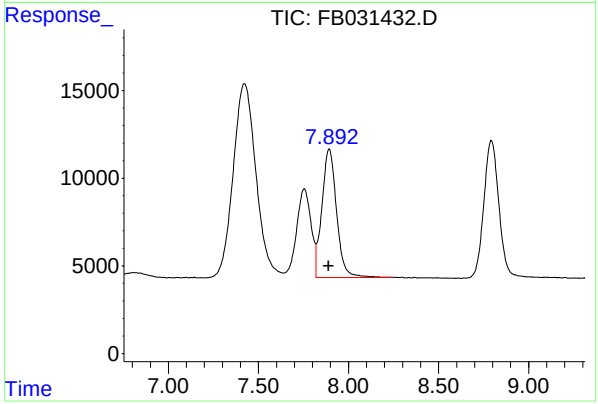
#2 2,2,4-Trimethylpentane

R.T.: 7.423 min
Delta R.T.: 0.003 min
Response: 976506
Conc: 25.97 ng/ml



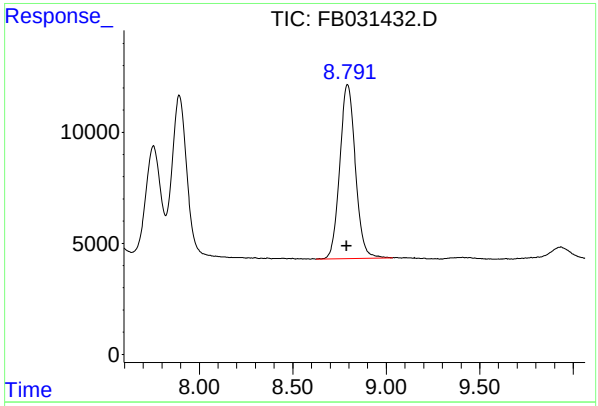
#3 n-Heptane

R.T.: 7.754 min
Delta R.T.: 0.003 min
Response: 284660
Conc: 7.89 ng/ml



#4 Benzene

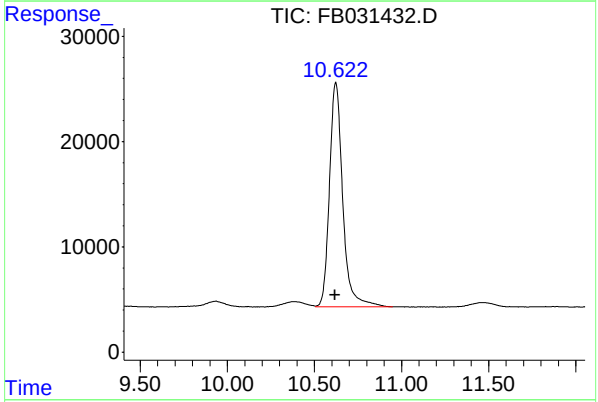
R.T.: 7.893 min
Delta R.T.: 0.003 min
Response: 415623
Conc: 9.76 ng/ml



#5 AAA-TFT

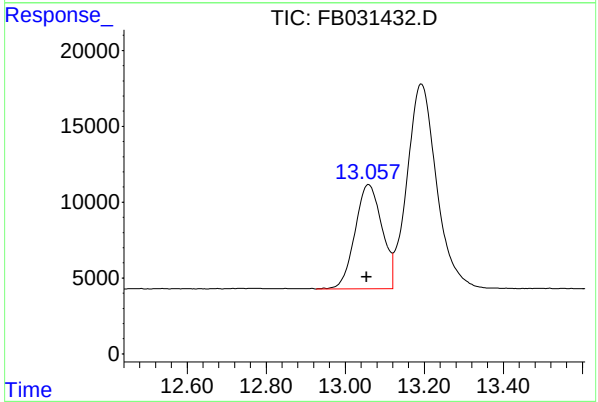
R.T.: 8.793 min
Delta R.T.: 0.003 min
Response: 454503
Conc: 19.05 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



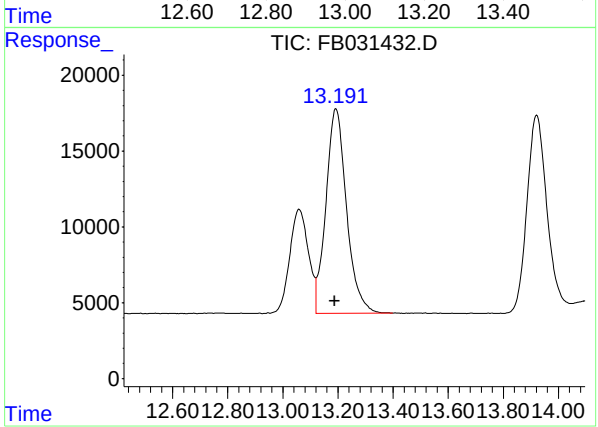
#6 Toluene

R.T.: 10.623 min
Delta R.T.: 0.005 min
Response: 1127689
Conc: 28.88 ng/ml



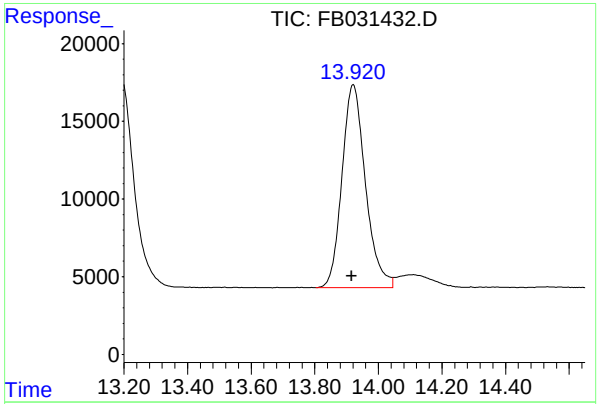
#7 Ethylbenzene

R.T.: 13.059 min
Delta R.T.: 0.005 min
Response: 325697
Conc: 9.41 ng/ml



#8 m-Xylene

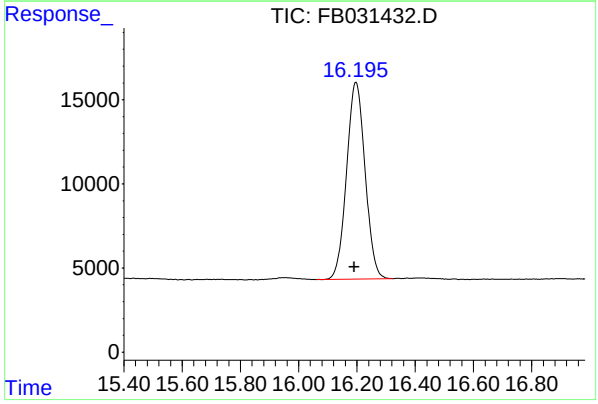
R.T.: 13.193 min
Delta R.T.: 0.005 min
Response: 701131
Conc: 18.76 ng/ml



#9 O-Xylene

R.T.: 13.921 min
Delta R.T.: 0.006 mi
Response: 669399
Conc: 18.80 ng/m

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



#10 1,2,4-Trimethylbenzene

R.T.: 16.197 min
Delta R.T.: 0.005 min
Response: 518422
Conc: 18.31 ng/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013125\
Data File : FB031432.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 18:58
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File: Calibration.e

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

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.718	4.565	4.886	BV	9757	714491	63.36%	11.546%
2	7.423	7.206	7.639	VV	11080	976506	86.59%	15.780%
3	7.754	7.639	7.820	VV	5070	284660	25.24%	4.600%
4	7.893	7.820	8.247	VV	7345	415623	36.86%	6.716%
5	8.793	8.623	9.035	PV	7841	454503	40.30%	7.345%
6	10.623	10.508	10.949	VV	21350	1127689	100.00%	18.223%
7	13.059	12.926	13.120	PV	6869	325697	28.88%	5.263%
8	13.193	13.120	13.399	VV	13494	701131	62.17%	11.330%
9	13.921	13.803	14.045	BV	13071	669399	59.36%	10.817%
10	16.197	16.060	16.324	PV	11710	518422	45.97%	8.378%

Sum of corrected areas: 6188121

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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.: Q1241 SAS No.: Q1241 SDG No.: Q1241

DataFile: FB031438.D Analyst Name: YP/AJ Analyst Date: 01-31-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	5457080	30317	35852	15.438

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013125\
Data File : FB031438.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 22:32
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Feb 01 00:39:46 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	8.794	406606	17.046	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.723	683012	20.606	ng/ml
2) t	2,2,4-Trimethylpentane	7.427	918448	24.422	ng/ml
3) t	n-Heptane	7.756	275256	7.625	ng/ml
4) t	Benzene	7.895	396808	9.317	ng/ml
6) t	Toluene	10.624	1075712	27.550	ng/ml
7) t	Ethylbenzene	13.061	308634	8.913	ng/ml
8) t	m-Xylene	13.195	666898	17.841	ng/ml
9) t	O-Xylene	13.922	637580	17.903	ng/ml
10) t	1,2,4-Trimethylbenzene	16.198	494732	17.469	ng/ml

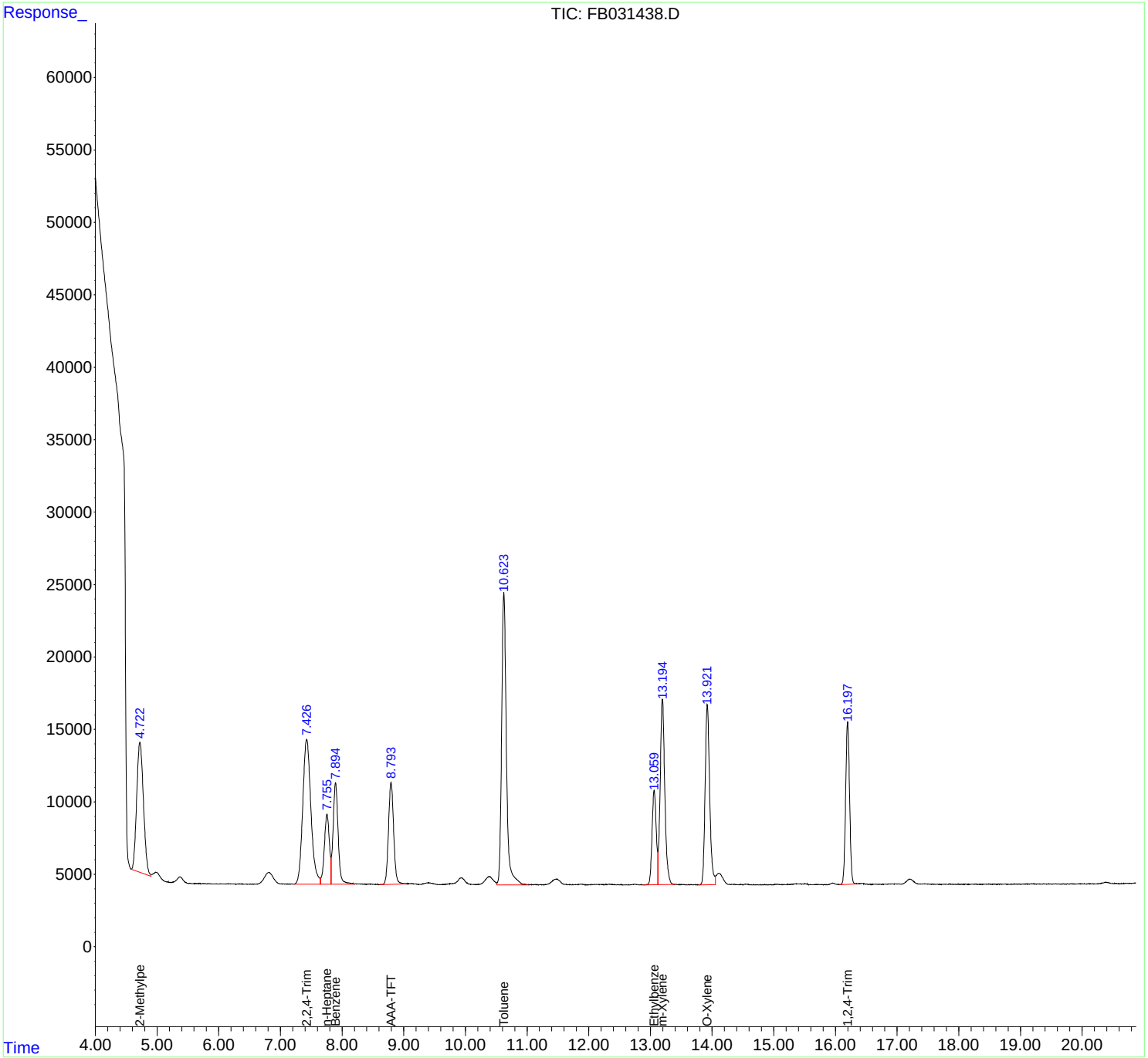
(f)=RT Delta > 1/2 Window (m)=manual int.

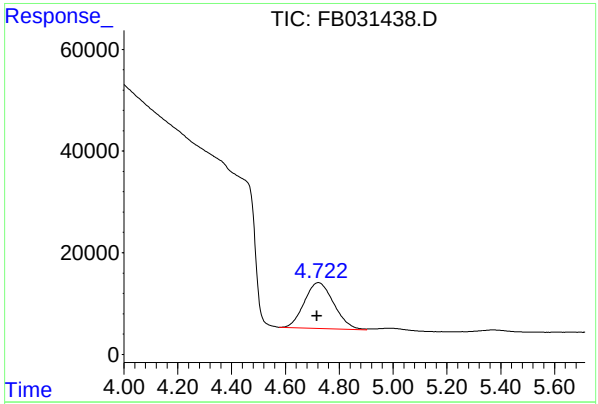
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013125\
Data File : FB031438.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 22:32
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Feb 01 00:39:46 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

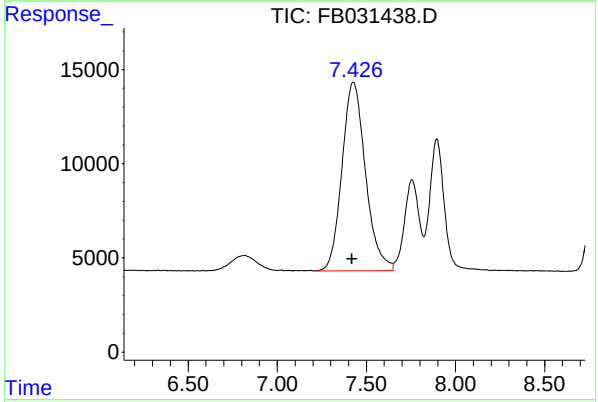




#1 2-Methylpentane

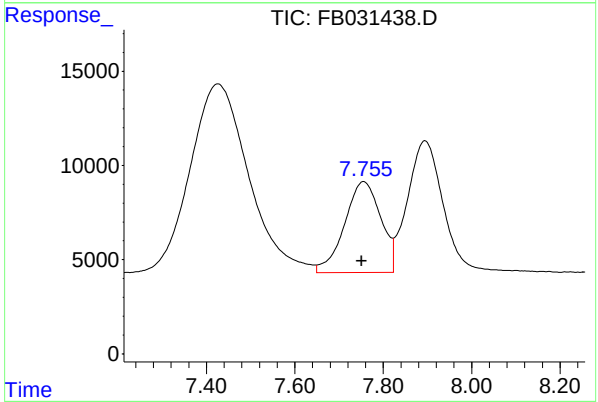
R.T.: 4.723 min
Delta R.T.: 0.005 min
Response: 683012
Conc: 20.61 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



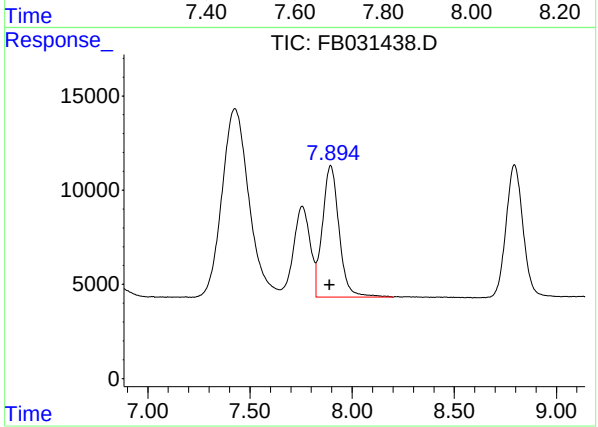
#2 2,2,4-Trimethylpentane

R.T.: 7.427 min
Delta R.T.: 0.008 min
Response: 918448
Conc: 24.42 ng/ml



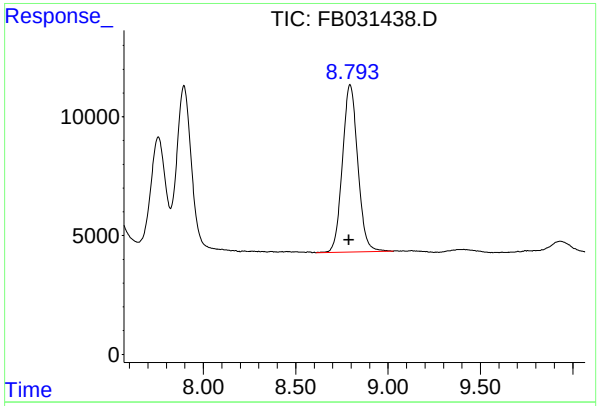
#3 n-Heptane

R.T.: 7.756 min
Delta R.T.: 0.005 min
Response: 275256
Conc: 7.63 ng/ml



#4 Benzene

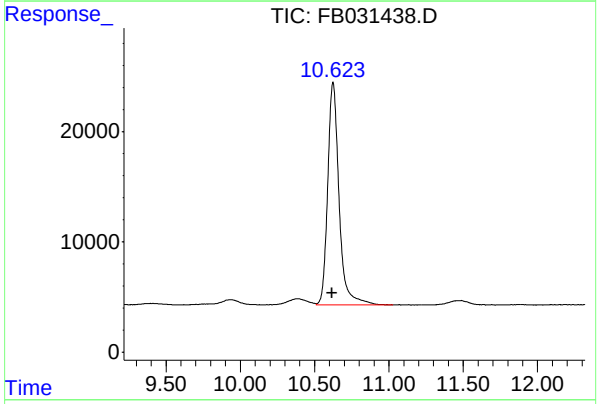
R.T.: 7.895 min
Delta R.T.: 0.005 min
Response: 396808
Conc: 9.32 ng/ml



#5 AAA-TFT

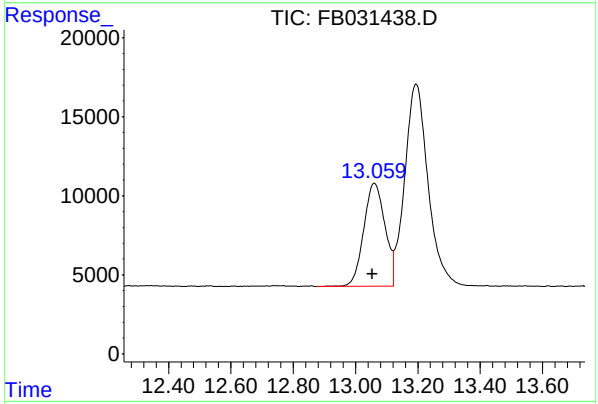
R.T.: 8.794 min
Delta R.T.: 0.005 min
Response: 406606
Conc: 17.05 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



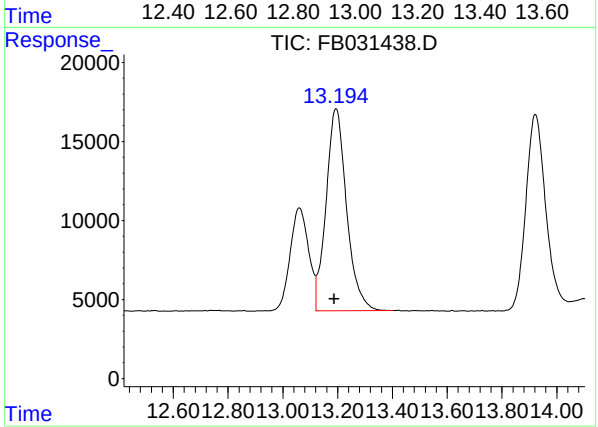
#6 Toluene

R.T.: 10.624 min
Delta R.T.: 0.006 min
Response: 1075712
Conc: 27.55 ng/ml



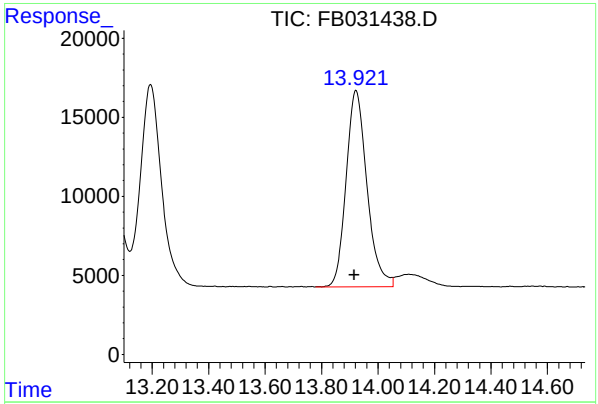
#7 Ethylbenzene

R.T.: 13.061 min
Delta R.T.: 0.006 min
Response: 308634
Conc: 8.91 ng/ml



#8 m-Xylene

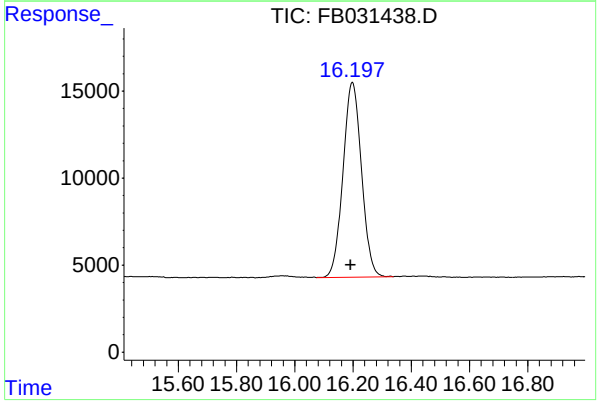
R.T.: 13.195 min
Delta R.T.: 0.007 min
Response: 666898
Conc: 17.84 ng/ml



#9 O-Xylene

R.T.: 13.922 min
Delta R.T.: 0.007 min
Response: 637580
Conc: 17.90 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



#10 1,2,4-Trimethylbenzene

R.T.: 16.198 min
Delta R.T.: 0.006 min
Response: 494732
Conc: 17.47 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013125\
Data File : FB031438.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 22:32
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 30 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	4.723	4.576	4.901	BV	8994	683012	63.49%	11.648%
2	7.427	7.218	7.649	BV	10012	918448	85.38%	15.663%
3	7.756	7.649	7.823	VV	4836	275256	25.59%	4.694%
4	7.895	7.823	8.200	VV	6993	396808	36.89%	6.767%
5	8.794	8.610	9.027	PV	7049	406606	37.80%	6.934%
6	10.624	10.510	11.028	VV	20201	1075712	100.00%	18.345%
7	13.061	12.874	13.121	PV	6530	308634	28.69%	5.263%
8	13.195	13.121	13.402	VV	12793	666898	62.00%	11.373%
9	13.922	13.781	14.053	BV	12438	637580	59.27%	10.873%
10	16.198	16.074	16.339	PV	11198	494732	45.99%	8.437%

Sum of corrected areas: 5863685

FB011525.M Sat Feb 01 00:52:57 2025

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

Analytical Sequence

Client: RU2 Engineering, LLC **SDG No.:** Q1241

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	31 Jan 2025 9:03	FB031412.D	8.786	
VBF0131S1	VBF0131S1	31 Jan 2025 9:41	FB031413.D	8.789	
BSF0131S1	BSF0131S1	31 Jan 2025 10:47	FB031415.D	8.791	
JPP-3.5-013025	Q1241-01	31 Jan 2025 11:52	FB031417.D	8.794	
JPP-5.3-013025	Q1241-05	31 Jan 2025 12:18	FB031418.D	8.793	
BSF0131S2	BSF0131S2	31 Jan 2025 13:12	FB031420.D	8.792	
20 PPB GRO STD	20 PPB GRO STD	31 Jan 2025 13:38	FB031421.D	8.791	
JPP-5.4-013025	Q1241-13	31 Jan 2025 14:32	FB031422.D	8.793	
JPP-51.4-013025	Q1241-17	31 Jan 2025 14:58	FB031423.D	8.793	
20 PPB GRO STD	20 PPB GRO STD	31 Jan 2025 18:58	FB031432.D	8.793	
JPP-5.2-013025	Q1241-09	31 Jan 2025 19:52	FB031433.D	8.794	
20 PPB GRO STD	20 PPB GRO STD	31 Jan 2025 22:32	FB031438.D	8.794	

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

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

QC SAMPLE DATA

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	VBF0131S1	SDG No.:	Q1241
Lab Sample ID:	VBF0131S1	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
FB031413.D	1	01/31/25 9:41	FB013125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	45.0	U	8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	20.6		50 - 150	103%	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\FB013125\
Data File : FB031413.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 9:41
Operator : YP/AJ
Sample : VBF0131S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0131S1

Integration File: Calibration.e
Quant Time: Feb 01 00:15:05 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	491120	20.590 ng/ml
Target Compounds				

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

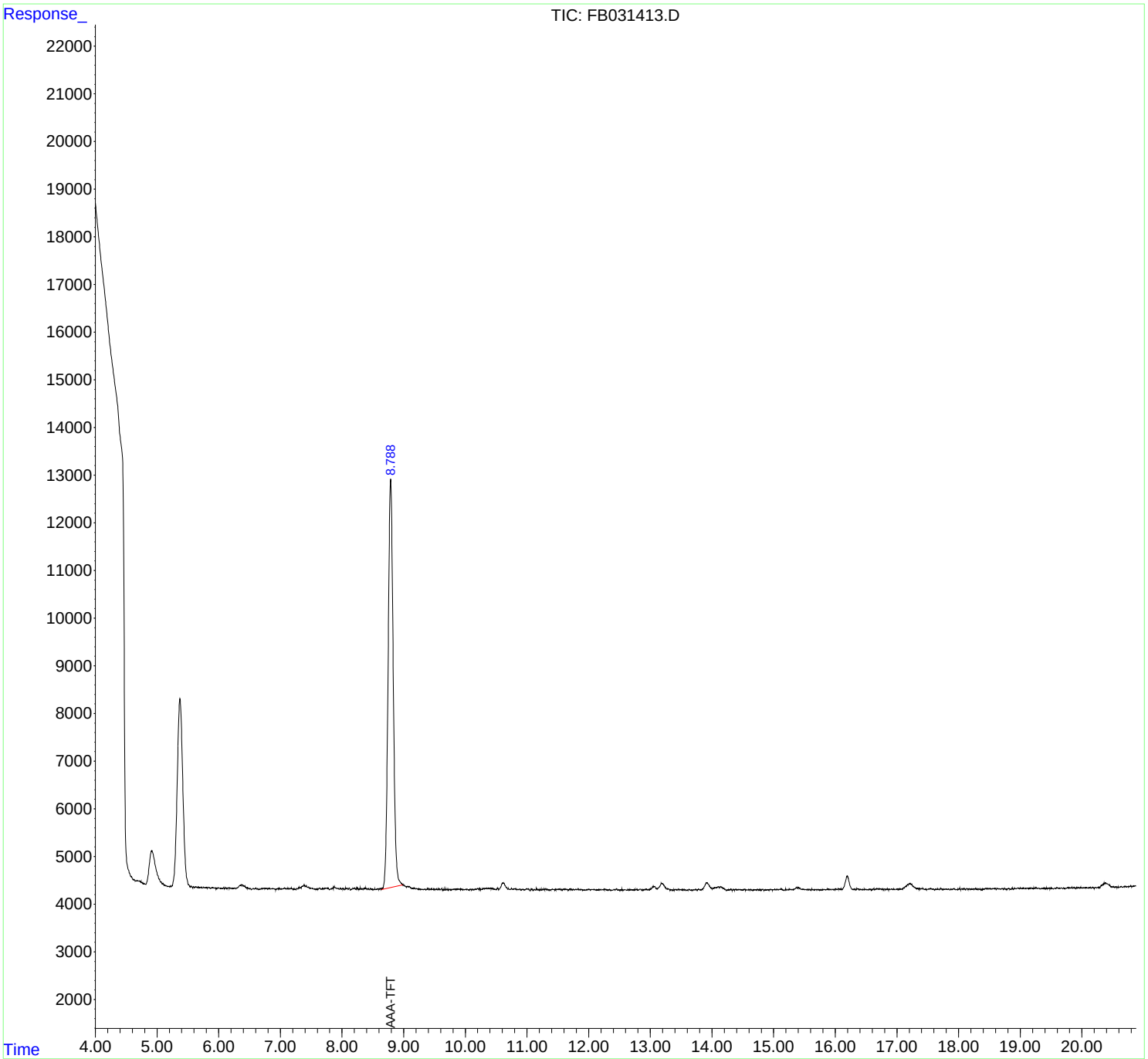
Quantitation Report (QT Reviewed)

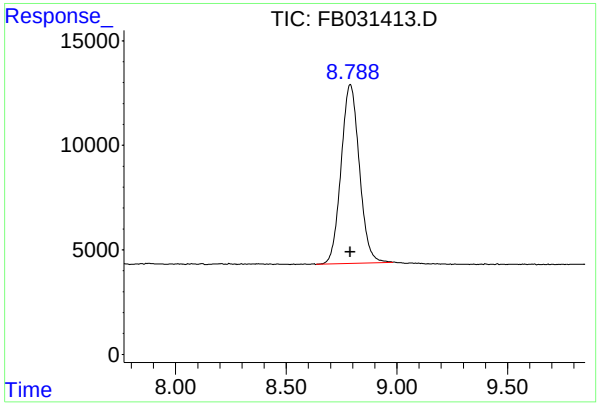
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013125\
Data File : FB031413.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 9:41
Operator : YP/AJ
Sample : VBF0131S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0131S1

Integration File: Calibration.e
Quant Time: Feb 01 00:15:05 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 mi
Response: 491120
Conc: 20.59 ng/m

Instrument :
FID_B
ClientSampleId :
VBF0131S1

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013125\
Data File : FB031413.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 9:41
Sample : VBF0131S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 2 Sample Multiplier: 1

Integration File: Calibration.e

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

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	8.789	8.635	8.982	PV	8568	491120	100.00%	100.000%

Sum of corrected areas: 491120

FB011525.M Sat Feb 01 00:45:51 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:	BSF0131S1	SDG No.:	Q1241
Lab Sample ID:	BSF0131S1	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
FB031415.D	1	01/31/25 10:47	FB013125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	173		8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	19.5		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\FB013125\
Data File : FB031415.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 10:47
Operator : YP/AJ
Sample : BSF0131S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0131S1

Integration File: Calibration.e
Quant Time: Feb 01 00:15:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
5) s	AAA-TFT	8.791	465280	19.506	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.717	811202	24.474	ng/ml
2) t	2,2,4-Trimethylpentane	7.418	1064822	28.314	ng/ml
3) t	n-Heptane	7.752	296600	8.216	ng/ml
4) t	Benzene	7.890	440565	10.344	ng/ml
6) t	Toluene	10.620	1190505	30.489	ng/ml
7) t	Ethylbenzene	13.058	351965	10.164	ng/ml
8) t	m-Xylene	13.191	763097	20.415	ng/ml
9) t	O-Xylene	13.919	721578	20.261	ng/ml
10) t	1,2,4-Trimethylbenzene	16.196	566218	19.993	ng/ml

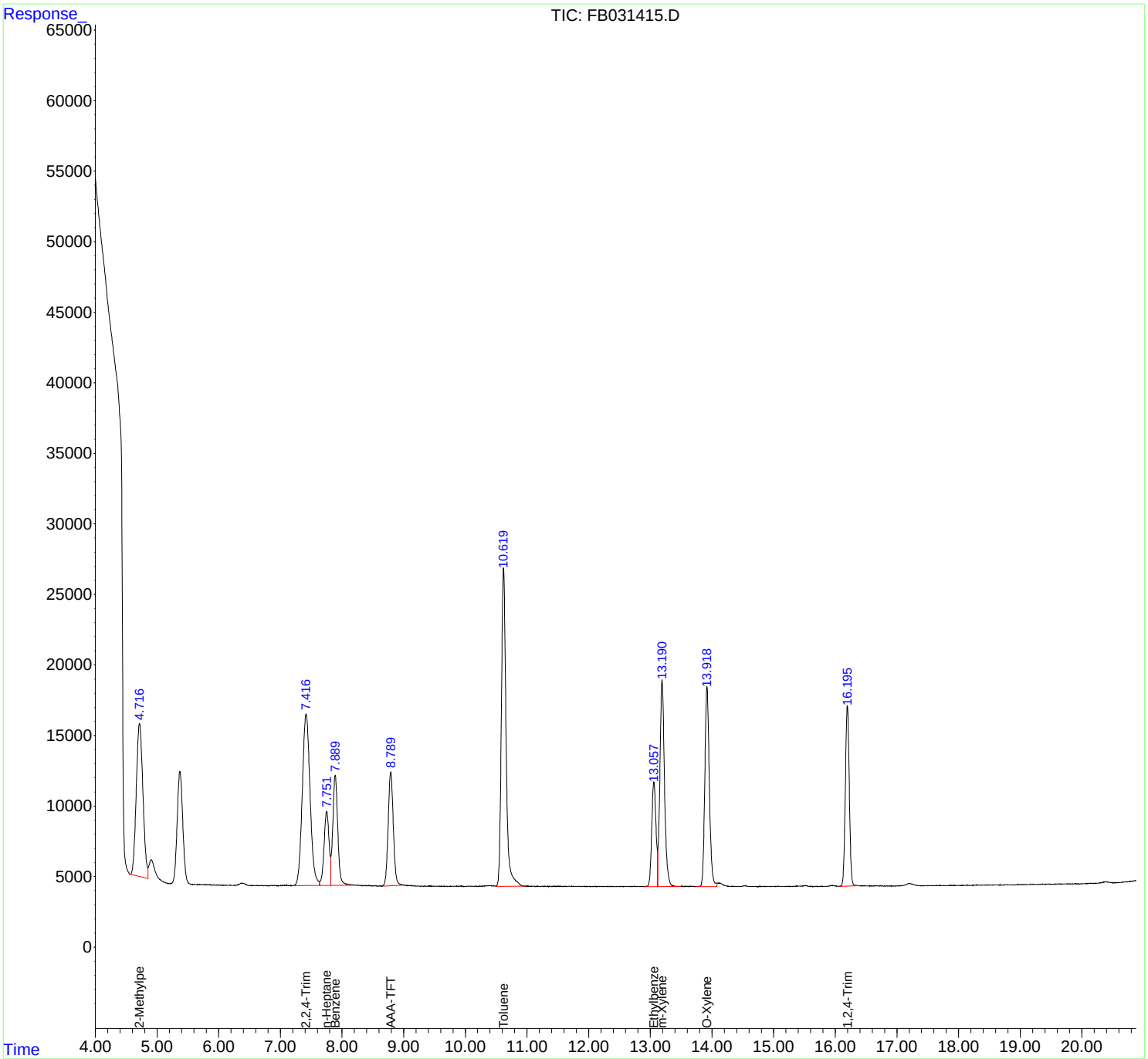
(f)=RT Delta > 1/2 Window (m)=manual int.

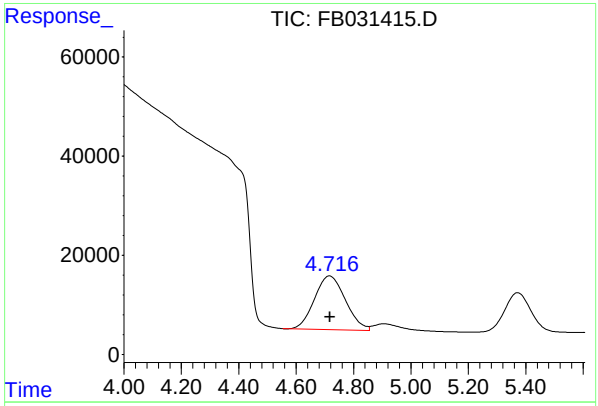
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013125\
Data File : FB031415.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 10:47
Operator : YP/AJ
Sample : BSF0131S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0131S1

Integration File: Calibration.e
Quant Time: Feb 01 00:15:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

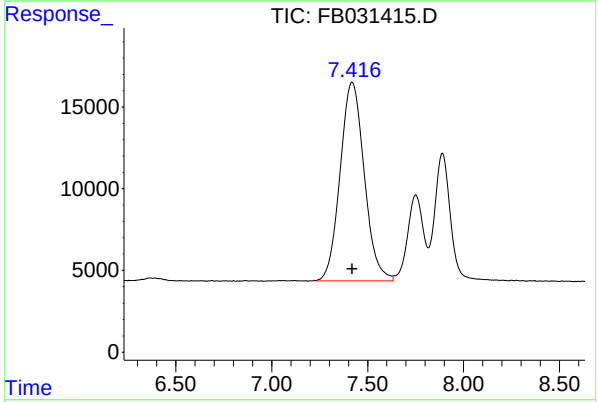




#1 2-Methylpentane

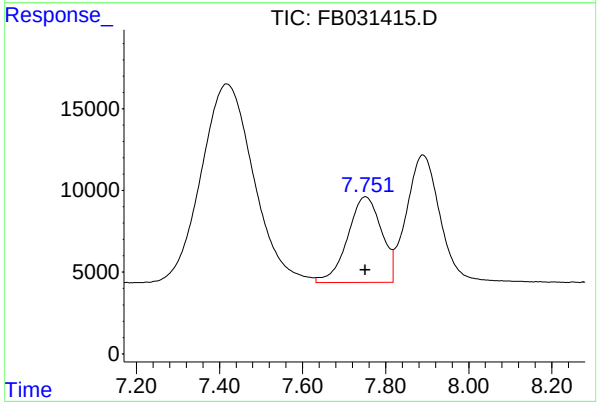
R.T.: 4.717 min
Delta R.T.: -0.001 min
Response: 811202
Conc: 24.47 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0131S1



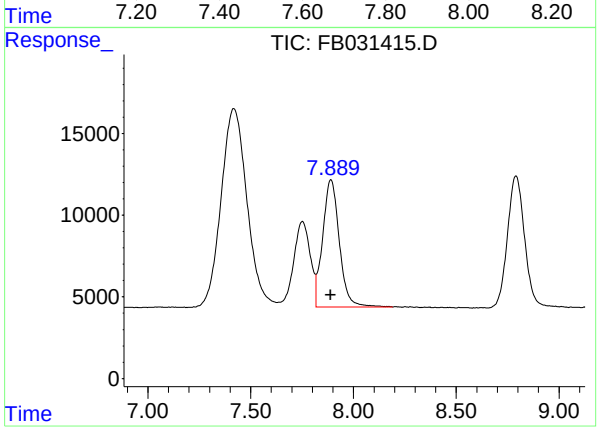
#2 2,2,4-Trimethylpentane

R.T.: 7.418 min
Delta R.T.: -0.002 min
Response: 1064822
Conc: 28.31 ng/ml



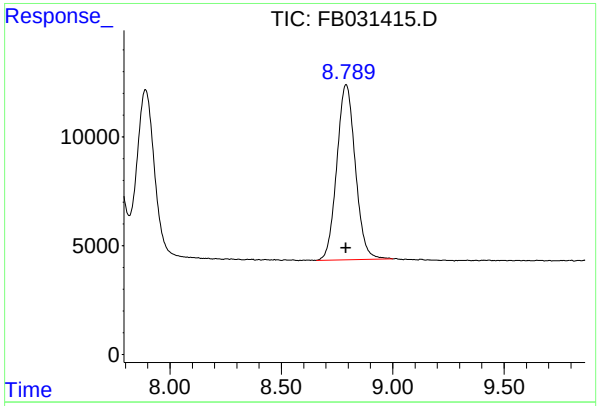
#3 n-Heptane

R.T.: 7.752 min
Delta R.T.: 0.000 min
Response: 296600
Conc: 8.22 ng/ml



#4 Benzene

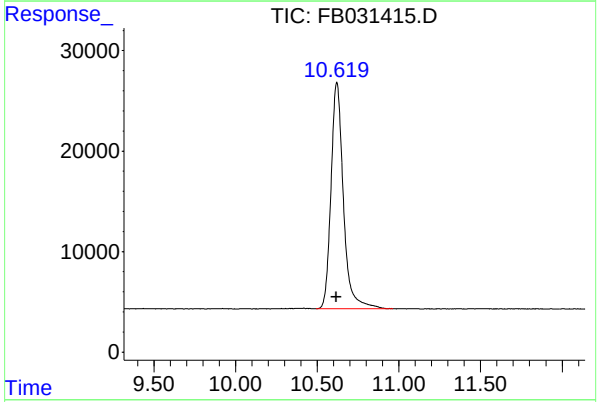
R.T.: 7.890 min
Delta R.T.: 0.000 min
Response: 440565
Conc: 10.34 ng/ml



#5 AAA-TFT

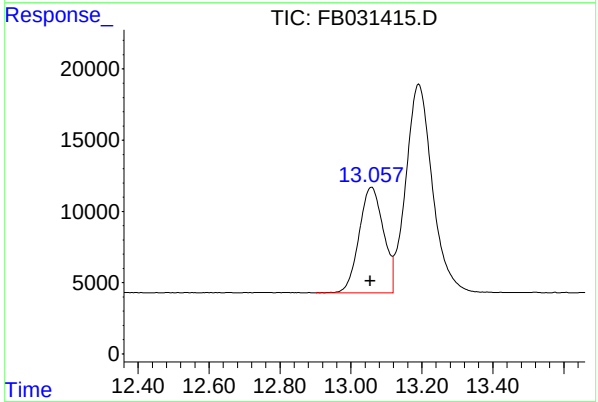
R.T.: 8.791 min
Delta R.T.: 0.001 min
Response: 465280
Conc: 19.51 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0131S1



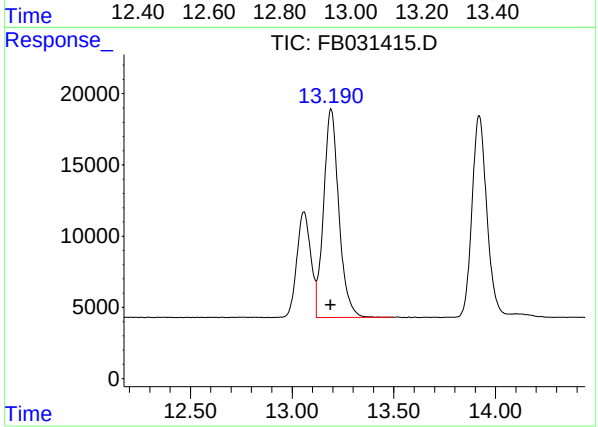
#6 Toluene

R.T.: 10.620 min
Delta R.T.: 0.003 min
Response: 1190505
Conc: 30.49 ng/ml



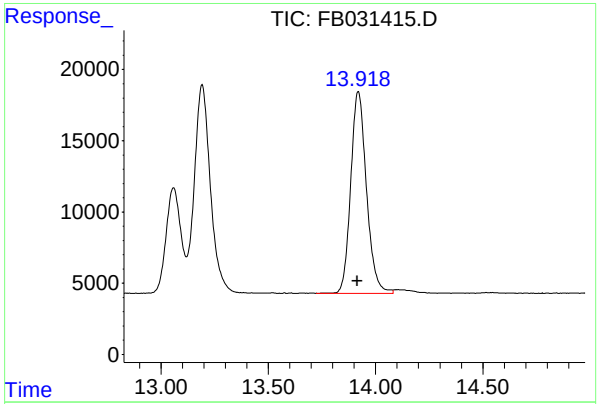
#7 Ethylbenzene

R.T.: 13.058 min
Delta R.T.: 0.004 min
Response: 351965
Conc: 10.16 ng/ml



#8 m-Xylene

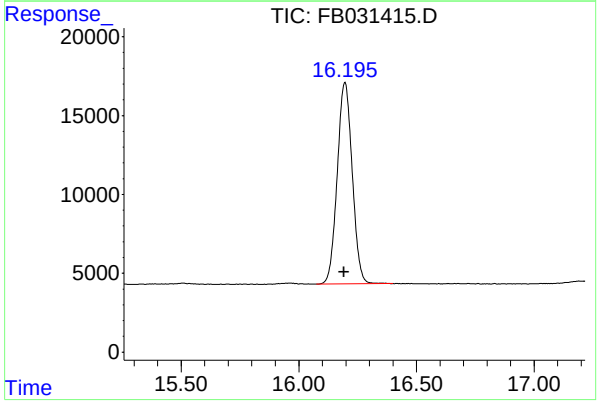
R.T.: 13.191 min
Delta R.T.: 0.003 min
Response: 763097
Conc: 20.42 ng/ml



#9 O-Xylene

R.T.: 13.919 min
Delta R.T.: 0.004 min
Response: 721578
Conc: 20.26 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0131S1



#10 1,2,4-Trimethylbenzene

R.T.: 16.196 min
Delta R.T.: 0.004 min
Response: 566218
Conc: 19.99 ng/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013125\
Data File : FB031415.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 10:47
Sample : BSF0131S1
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	4.717	4.554	4.855	BV	10838	811202	68.14%	12.159%
2	7.418	7.231	7.632	VV	12163	1064822	89.44%	15.960%
3	7.752	7.632	7.818	VV	5253	296600	24.91%	4.446%
4	7.890	7.818	8.192	VV	7801	440565	37.01%	6.603%
5	8.791	8.657	9.002	BV	8059	465280	39.08%	6.974%
6	10.620	10.493	10.964	VV	22553	1190505	100.00%	17.844%
7	13.058	12.901	13.119	BV	7411	351965	29.56%	5.275%
8	13.191	13.119	13.497	VV	14647	763097	64.10%	11.438%
9	13.919	13.722	14.081	BV	14171	721578	60.61%	10.815%
10	16.196	16.074	16.401	BBA	12795	566218	47.56%	8.487%

Sum of corrected areas: 6671831

FB011525.M Sat Feb 01 00:46:17 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:	BSF0131S2	SDG No.:	Q1241
Lab Sample ID:	BSF0131S2	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
FB031420.D	1	01/31/25 13:12	FB013125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	168		8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	18.3		50 - 150	91%	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\FB013125\
Data File : FB031420.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 13:12
Operator : YP/AJ
Sample : BSF0131S2
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0131S2

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

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
5) s	AAA-TFT	8.792	435473	18.257	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.719	779073	23.505	ng/ml
2) t	2,2,4-Trimethylpentane	7.422	1020194	27.127	ng/ml
3) t	n-Heptane	7.754	304209	8.427	ng/ml
4) t	Benzene	7.893	430945	10.118	ng/ml
6) t	Toluene	10.621	1176710	30.136	ng/ml
7) t	Ethylbenzene	13.058	342122	9.880	ng/ml
8) t	m-Xylene	13.192	741323	19.832	ng/ml
9) t	O-Xylene	13.920	693540	19.474	ng/ml
10) t	1,2,4-Trimethylbenzene	16.196	544696	19.233	ng/ml

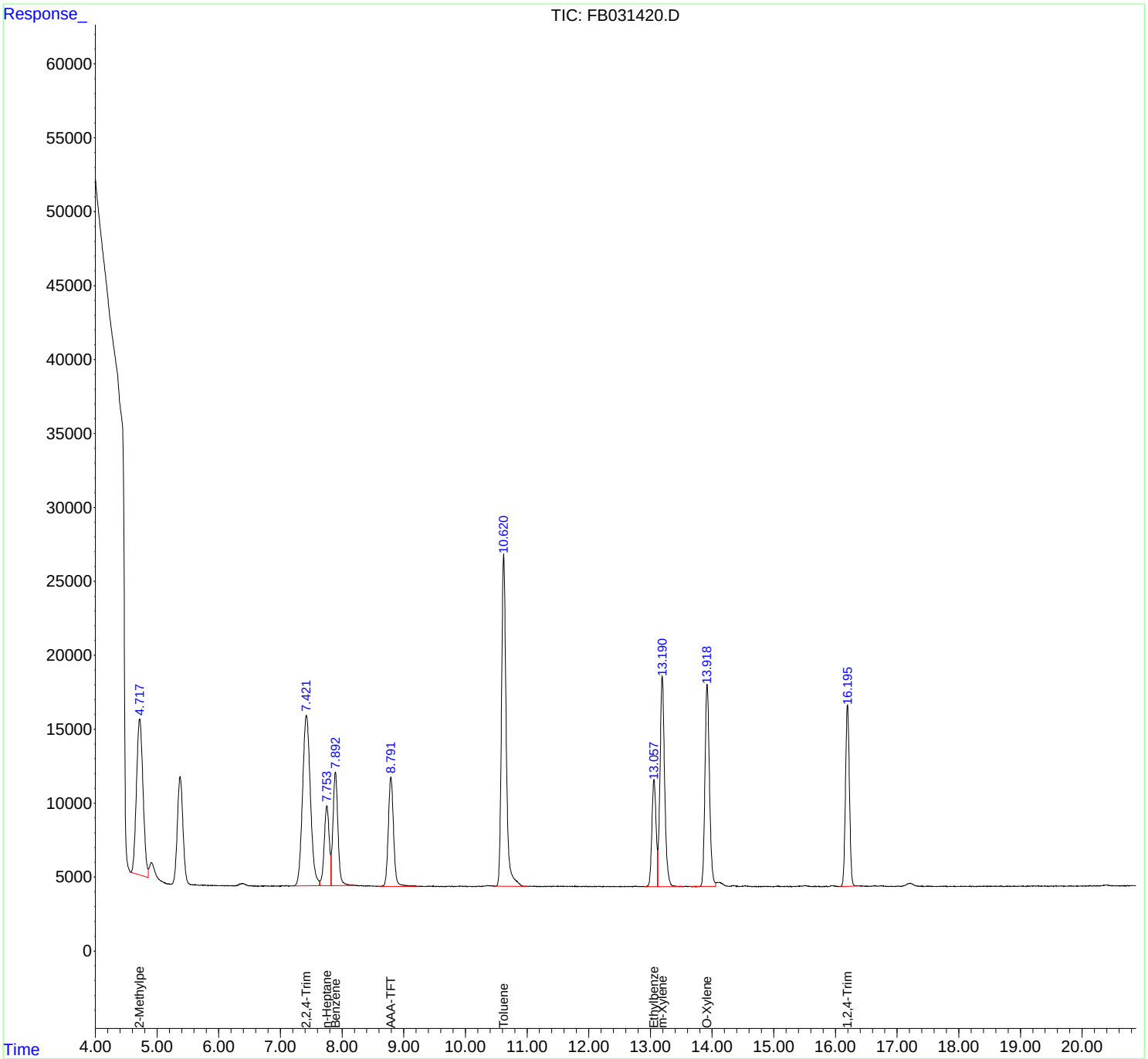
(f)=RT Delta > 1/2 Window (m)=manual int.

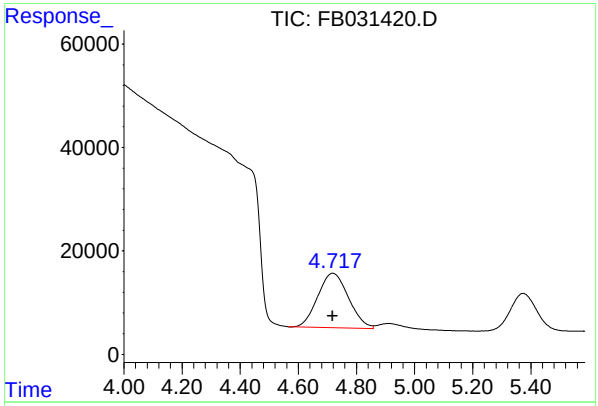
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013125\
Data File : FB031420.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 13:12
Operator : YP/AJ
Sample : BSF0131S2
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0131S2

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

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

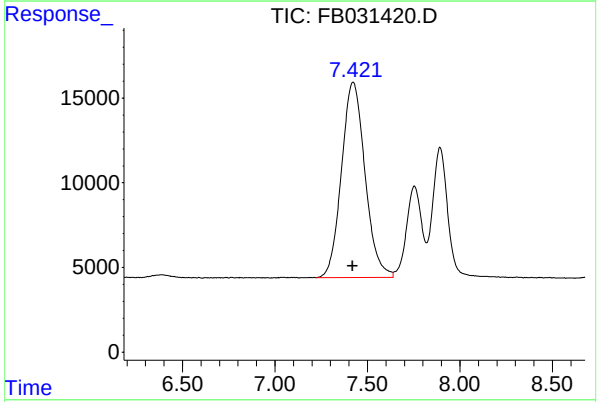




#1 2-Methylpentane

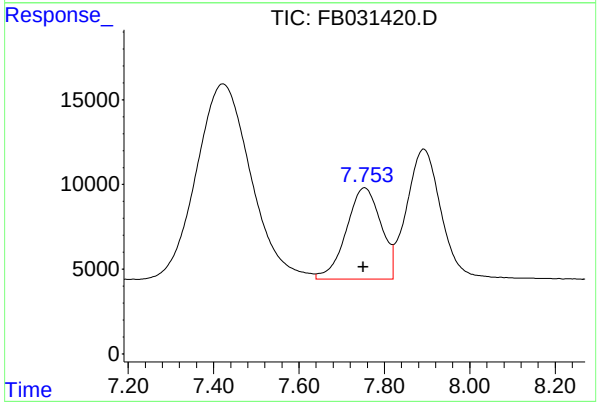
R.T.: 4.719 min
Delta R.T.: 0.000 min
Response: 779073
Conc: 23.50 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0131S2



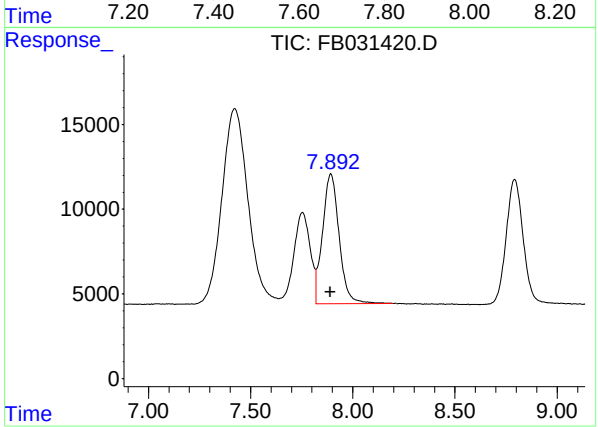
#2 2,2,4-Trimethylpentane

R.T.: 7.422 min
Delta R.T.: 0.002 min
Response: 1020194
Conc: 27.13 ng/ml



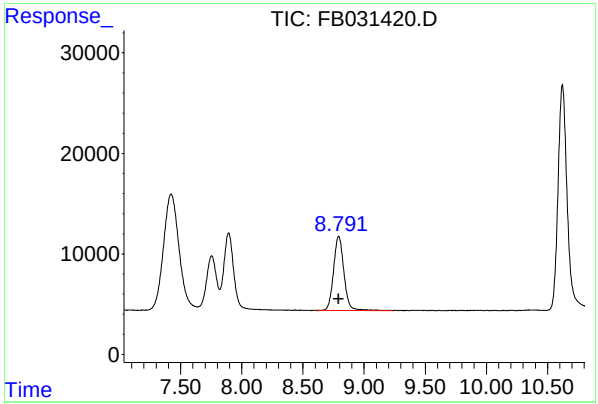
#3 n-Heptane

R.T.: 7.754 min
Delta R.T.: 0.003 min
Response: 304209
Conc: 8.43 ng/ml



#4 Benzene

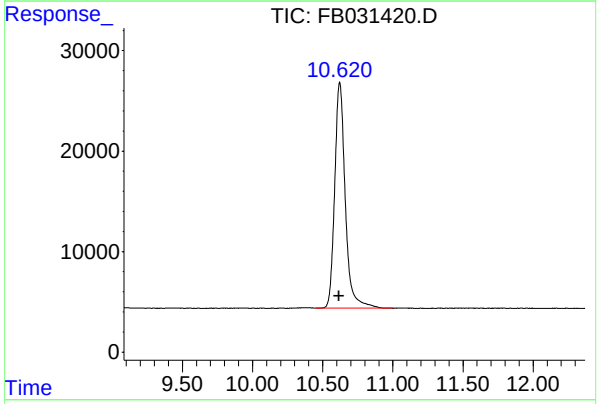
R.T.: 7.893 min
Delta R.T.: 0.003 min
Response: 430945
Conc: 10.12 ng/ml



#5 AAA-TFT

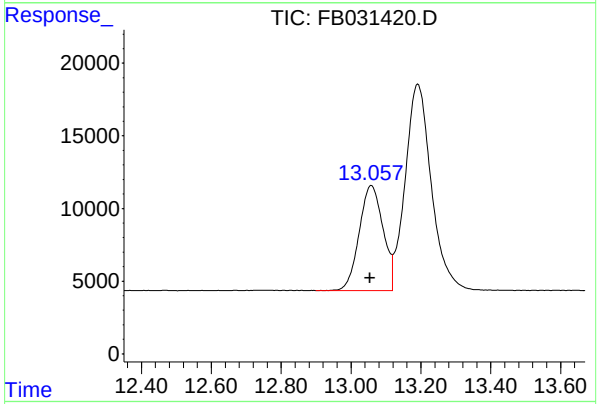
R.T.: 8.792 min
Delta R.T.: 0.003 min
Response: 435473
Conc: 18.26 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0131S2



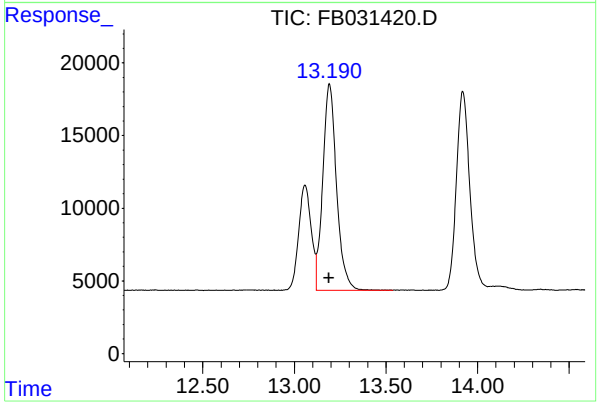
#6 Toluene

R.T.: 10.621 min
Delta R.T.: 0.004 min
Response: 1176710
Conc: 30.14 ng/ml



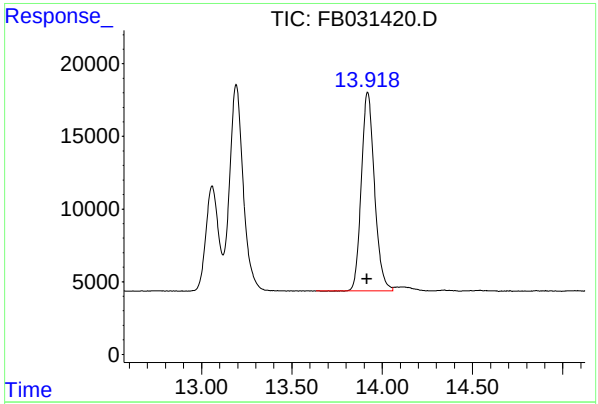
#7 Ethylbenzene

R.T.: 13.058 min
Delta R.T.: 0.004 min
Response: 342122
Conc: 9.88 ng/ml



#8 m-Xylene

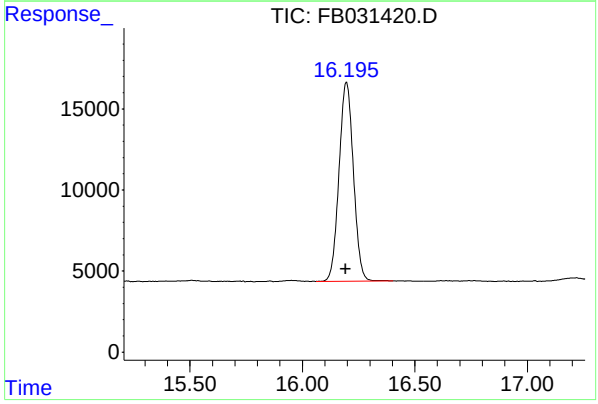
R.T.: 13.192 min
Delta R.T.: 0.004 min
Response: 741323
Conc: 19.83 ng/ml



#9 O-Xylene

R.T.: 13.920 min
Delta R.T.: 0.004 min
Response: 693540
Conc: 19.47 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0131S2



#10 1,2,4-Trimethylbenzene

R.T.: 16.196 min
Delta R.T.: 0.004 min
Response: 544696
Conc: 19.23 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013125\
Data File : FB031420.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 13:12
Sample : BSF0131S2
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 9 Sample Multiplier: 1

Integration File: Calibration.e

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

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.719	4.565	4.858	BV	10552	779073	66.21%	12.045%
2	7.422	7.223	7.639	BV	11536	1020194	86.70%	15.772%
3	7.754	7.639	7.820	VV	5400	304209	25.85%	4.703%
4	7.893	7.820	8.197	VV	7674	430945	36.62%	6.662%
5	8.792	8.606	9.235	BB	7395	435473	37.01%	6.732%
6	10.621	10.452	11.000	BV	22471	1176710	100.00%	18.192%
7	13.058	12.898	13.119	BV	7231	342122	29.07%	5.289%
8	13.192	13.119	13.538	VB	14206	741323	63.00%	11.461%
9	13.920	13.633	14.059	BV	13680	693540	58.94%	10.722%
10	16.196	16.060	16.403	PBA	12288	544696	46.29%	8.421%

Sum of corrected areas: 6468285

FB011525.M Sat Feb 01 00:46:40 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
BSF0131S3		FB031431.D	FB013125	O-Xylene	Ankita	2/3/2025 1:08:56 PM	Peak Integrated by Software incorrectly
BSF0131S4		FB031437.D	FB013125	O-Xylene	Ankita	2/3/2025 1:08:58 PM	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 # FB013125

Review By	yogesh	Review On	1/31/2025 1:02:12 PM		
Supervise By	Ankita	Supervise On	2/3/2025 1:09:11 PM		
SubDirectory	FB013125	HP Acquire Method		HP Processing Method	FB011525

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24113,PP24114,PP24115,PP24116,PP24117
CCC	PP24167,PP24168,PP24169
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	FB031412.D	31 Jan 2025 9:03	YP/AJ	Ok
2	VBF0131S1	FB031413.D	31 Jan 2025 9:41	YP/AJ	Ok
3	VBF0131S2	FB031414.D	31 Jan 2025 10:08	YP/AJ	Ok
4	BSF0131S1	FB031415.D	31 Jan 2025 10:47	YP/AJ	Ok
5	Q1242-01	FB031416.D	31 Jan 2025 11:25	YP/AJ	Ok
6	Q1241-01	FB031417.D	31 Jan 2025 11:52	YP/AJ	Ok
7	Q1241-05	FB031418.D	31 Jan 2025 12:18	YP/AJ	Ok
8	Q1241-09	FB031419.D	31 Jan 2025 12:45	YP/AJ	Not Ok
9	BSF0131S2	FB031420.D	31 Jan 2025 13:12	YP/AJ	Ok
10	20 PPB GRO STD	FB031421.D	31 Jan 2025 13:38	YP/AJ	Ok
11	Q1241-13	FB031422.D	31 Jan 2025 14:32	YP/AJ	Ok
12	Q1241-17	FB031423.D	31 Jan 2025 14:58	YP/AJ	Ok
13	Q1232-01	FB031424.D	31 Jan 2025 15:25	YP/AJ	ReRun
14	Q1232-05	FB031425.D	31 Jan 2025 15:52	YP/AJ	ReRun
15	Q1232-09	FB031426.D	31 Jan 2025 16:18	YP/AJ	Not Ok
16	Q1232-13	FB031427.D	31 Jan 2025 16:45	YP/AJ	Not Ok
17	Q1232-17	FB031428.D	31 Jan 2025 17:12	YP/AJ	Not Ok
18	Q1235-01	FB031429.D	31 Jan 2025 17:38	YP/AJ	Ok
19	Q1235-05	FB031430.D	31 Jan 2025 18:05	YP/AJ	Ok
20	BSF0131S3	FB031431.D	31 Jan 2025 18:32	YP/AJ	Ok,M
21	20 PPB GRO STD	FB031432.D	31 Jan 2025 18:58	YP/AJ	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 # FB013125

Review By	yogesh	Review On	1/31/2025 1:02:12 PM		
Supervise By	Ankita	Supervise On	2/3/2025 1:09:11 PM		
SubDirectory	FB013125	HP Acquire Method		HP Processing Method	FB011525

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24113,PP24114,PP24115,PP24116,PP24117
CCC	PP24167,PP24168,PP24169
Internal Standard/PEM	
ICV/I.BLK	PP24111,PP24118
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1241-09	FB031433.D	31 Jan 2025 19:52	YP/AJ	Ok
23	Q1241-09	FB031434.D	31 Jan 2025 20:19	YP/AJ	Not Ok
24	Q1232-01	FB031435.D	31 Jan 2025 20:45	YP/AJ	Ok
25	Q1232-01	FB031436.D	31 Jan 2025 21:12	YP/AJ	Not Ok
26	BSF0131S4	FB031437.D	31 Jan 2025 21:39	YP/AJ	Ok,M
27	20 PPB GRO STD	FB031438.D	31 Jan 2025 22:32	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 # FB013125

Review By	yogesh	Review On	1/31/2025 1:02:12 PM		
Supervise By	Ankita	Supervise On	2/3/2025 1:09:11 PM		
SubDirectory	FB013125	HP Acquire Method		HP Processing Method	FB011525

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24113,PP24114,PP24115,PP24116,PP24117
CCC	PP24167,PP24168,PP24169
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		FB031412.D	31 Jan 2025 9:03		YP/AJ	Ok
2	VBF0131S1		FB031413.D	31 Jan 2025 9:41		YP/AJ	Ok
3	VBF0131S2		FB031414.D	31 Jan 2025 10:08		YP/AJ	Ok
4	BSF0131S1		FB031415.D	31 Jan 2025 10:47		YP/AJ	Ok
5	Q1242-01		FB031416.D	31 Jan 2025 11:25	vial-A	YP/AJ	Ok
6	Q1241-01		FB031417.D	31 Jan 2025 11:52	vial-A	YP/AJ	Ok
7	Q1241-05		FB031418.D	31 Jan 2025 12:18	vial-A	YP/AJ	Ok
8	Q1241-09		FB031419.D	31 Jan 2025 12:45	vial-A ,not pureged	YP/AJ	Not Ok
9	BSF0131S2		FB031420.D	31 Jan 2025 13:12		YP/AJ	Ok
10	20 PPB GRO STD		FB031421.D	31 Jan 2025 13:38		YP/AJ	Ok
11	Q1241-13		FB031422.D	31 Jan 2025 14:32	vial-A	YP/AJ	Ok
12	Q1241-17		FB031423.D	31 Jan 2025 14:58	vial-A	YP/AJ	Ok
13	Q1232-01		FB031424.D	31 Jan 2025 15:25	vial-A ,surrogate fail	YP/AJ	ReRun
14	Q1232-05		FB031425.D	31 Jan 2025 15:52	vial-A ,surrogate fail	YP/AJ	ReRun
15	Q1232-09		FB031426.D	31 Jan 2025 16:18	vial-A ,not pureged	YP/AJ	Not Ok
16	Q1232-13		FB031427.D	31 Jan 2025 16:45	vial-A ,not pureged	YP/AJ	Not Ok
17	Q1232-17		FB031428.D	31 Jan 2025 17:12	vial-A ,not pureged	YP/AJ	Not Ok
18	Q1235-01		FB031429.D	31 Jan 2025 17:38	vial-A	YP/AJ	Ok

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Fax : 908 789 8922

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QCBatch ID # FB013125

Review By	yogesh	Review On	1/31/2025 1:02:12 PM		
Supervise By	Ankita	Supervise On	2/3/2025 1:09:11 PM		
SubDirectory	FB013125	HP Acquire Method		HP Processing Method	FB011525

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24113,PP24114,PP24115,PP24116,PP24117
CCC	PP24167,PP24168,PP24169
Internal Standard/PEM	
ICV/I.BLK	PP24111,PP24118
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1235-05		FB031430.D	31 Jan 2025 18:05	vial-A	YP/AJ	Ok
20	BSF0131S3		FB031431.D	31 Jan 2025 18:32		YP/AJ	Ok,M
21	20 PPB GRO STD		FB031432.D	31 Jan 2025 18:58		YP/AJ	Ok
22	Q1241-09		FB031433.D	31 Jan 2025 19:52	vial-B	YP/AJ	Ok
23	Q1241-09		FB031434.D	31 Jan 2025 20:19	vial-C , not required	YP/AJ	Not Ok
24	Q1232-01		FB031435.D	31 Jan 2025 20:45	vial-B	YP/AJ	Ok
25	Q1232-01		FB031436.D	31 Jan 2025 21:12	vial-C , not required	YP/AJ	Not Ok
26	BSF0131S4		FB031437.D	31 Jan 2025 21:39		YP/AJ	Ok,M
27	20 PPB GRO STD		FB031438.D	31 Jan 2025 22:32		YP/AJ	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 2/3/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:35
In Date: 01/31/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:40
Out Date: 02/01/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB134497

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
Q1236-01	WASTE	17	1.14	8.55	9.69	8.12	81.6	
Q1236-02	VOC	18	1.13	8.71	9.84	8.3	82.3	
Q1236-03	1	19	1.17	8.50	9.67	8.2	82.7	
Q1236-04	2	20	1.17	8.60	9.77	8.2	81.7	
Q1236-05	3	21	1.15	8.84	9.99	8.35	81.4	
Q1236-06	4	22	1.16	8.53	9.69	8.24	83.0	
Q1236-07	5	23	1.15	8.82	9.97	8.48	83.1	
Q1241-01	JPP-3.5-013025	1	1.15	8.58	9.73	8.41	84.6	
Q1241-03	JPP-3.5-013025	2	1.12	8.76	9.88	8.3	82.0	
Q1241-05	JPP-5.3-013025	3	1.15	8.43	9.58	8.68	89.3	
Q1241-07	JPP-5.3-013025	4	1.11	8.77	9.88	8.81	87.8	
Q1241-09	JPP-5.2-013025	5	1.15	8.59	9.74	8.65	87.3	
Q1241-11	JPP-5.2-013025	6	1.12	8.41	9.53	8.58	88.7	
Q1241-13	JPP-5.4-013025	7	1.16	8.66	9.82	8.69	87.0	
Q1241-15	JPP-5.4-013025	8	1.18	8.45	9.63	8.5	86.6	
Q1241-17	JPP-51.4-013025	9	1.14	8.55	9.69	9.12	93.3	
Q1241-19	JPP-51.4-013025	10	1.16	8.51	9.67	9.09	93.2	
Q1242-01	JPP-6.2-013025	11	1.15	8.80	9.95	8.32	81.5	
Q1242-03	JPP-6.2-013025	12	1.13	8.60	9.73	8.11	81.2	
Q1243-01	CL-01-01302025	13	1.16	8.40	9.56	9.12	94.8	
Q1243-02	CL-01-01302025-E2	14	1.13	8.70	9.83	9.36	94.6	
Q1244-01	EO-02-01302025	15	1.18	8.71	9.89	9.36	93.9	
Q1244-02	EO-02-01302025-E2	16	1.12	8.80	9.92	9.42	94.3	
Q1254-01	OK-02-01312025	24	1.16	8.40	9.56	8.48	87.1	
Q1254-02	OK-02-01312025-E2	25	1.15	8.83	9.98	9.6	95.7	
Q1257-01	013025	42	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1258-01	112224A	43	1.00	1.00	2.00	2.00	100.0	debris
Q1259-01	12825	44	1.14	8.70	9.84	8.7	86.9	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 2/3/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:35
In Date: 01/31/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:40
Out Date: 02/01/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB134497

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
Q1260-01	12925-A	45	1.00	1.00	2.00	2.00	100.0	debris
Q1260-02	12925-BC	46	1.16	8.42	9.58	9.2	95.5	
Q1261-01	CHRT-20430	47	1.14	8.43	9.57	5.86	56.0	
Q1261-02	CHRT-20430-E2	48	1.12	8.77	9.89	5.93	54.8	
Q1262-01	ETGI-371	49	1.15	8.70	9.85	8.64	86.1	
Q1262-02	ETGI-371-E2	50	1.16	8.82	9.98	8.78	86.4	
Q1262-03	CONCRETE-PAD	51	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
Q1262-04	CONCRETE-PAD-E2	52	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
Q1262-05	3762	53	1.00	1.00	2.00	2.00	100.0	debris
Q1263-01	KMA9027-1-1	54	1.00	1.00	2.00	2.00	100.0	pilc
Q1263-02	KMA9027-1-2	55	1.00	1.00	2.00	2.00	100.0	pilc
Q1263-03	BC274653-1-1	56	1.00	1.00	2.00	2.00	100.0	pilc
Q1263-04	BC274653-1-2	57	1.00	1.00	2.00	2.00	100.0	pilc
Q1264-01	AUD-1606	26	1.18	8.62	9.8	9.63	98.0	
Q1264-02	AUD-25-0008	27	1.11	8.71	9.82	7.77	76.5	
Q1265-01	AUD-25-0006	28	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1267-01	TRE-25-0003	29	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1267-02	TRE-25-0009	30	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1267-03	TRE-25-0011	31	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1268-05	SVOC-GPC-BLANK	32	1.00	1.00	2.00	2.00	100.0	
Q1268-06	PEST-GPC-BLANK	33	1.00	1.00	2.00	2.00	100.0	
Q1268-07	PEST-GPC-BLANK-SPIKE	34	1.00	1.00	2.00	2.00	100.0	
Q1268-08	PCB-GPC-BLANK	35	1.00	1.00	2.00	2.00	100.0	
Q1268-09	PCB-GPC-BLANK-SPIKE	36	1.00	1.00	2.00	2.00	100.0	
Q1268-10	SVOC-GPC2-BLANK	37	1.00	1.00	2.00	2.00	100.0	
Q1268-11	PEST-GPC2-BLANK	38	1.00	1.00	2.00	2.00	100.0	
Q1268-12	PEST-GPC2-BLANK-SPIKE	39	1.00	1.00	2.00	2.00	100.0	
Q1268-13	PCB-GPC2-BLANK	40	1.00	1.00	2.00	2.00	100.0	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 2/3/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:35
In Date: 01/31/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:40
Out Date: 02/01/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB134497

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
Q1268-14	PCB-GPC2-BLANK-SPIKE	41	1.00	1.00	2.00	2.00	100.0	
Q1269-01	VNJ-231	58	1.17	8.81	9.98	9.00	88.9	
Q1269-02	VNJ-231-E2	59	1.12	8.86	9.98	9.1	90.1	
Q1270-01	BC247799-1-1	60	1.00	1.00	2.00	2.00	100.0	oilc
Q1270-02	BC247799-1-2	61	1.00	1.00	2.00	2.00	100.0	oilc
Q1270-03	BC274768-1-1	62	1.00	1.00	2.00	2.00	100.0	oilc
Q1270-04	BC274768-1-2	63	1.00	1.00	2.00	2.00	100.0	oilc
Q1270-05	BC274768-2-1	64	1.00	1.00	2.00	2.00	100.0	oilc
Q1270-06	BC274768-2-2	65	1.00	1.00	2.00	2.00	100.0	oilc
Q1271-01	RBR200030	66	1.12	8.74	9.86	8.87	88.7	
Q1271-02	RBR200030-E2	67	1.17	8.53	9.7	9.02	92.0	
Q1271-03	3189-3196	68	1.00	1.00	2.00	2.00	100.0	oil sample

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

WORKLIST(Hardcopy Internal Chain)

R134497

WorkList Name : %1-013125 **WorkList ID :** 187328 **Department :** Wet-Chemistry **Date :** 01-31-2025 07:56:55

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1236-01	WASTE	Solid	Percent Solids	Cool 4 deg C	SCIA01	E11	01/30/2025	Chemtech -SO
Q1236-02	VOC	Solid	Percent Solids	Cool 4 deg C	SCIA01	E11	01/30/2025	Chemtech -SO
Q1236-03	1	Solid	Percent Solids	Cool 4 deg C	SCIA01	E11	01/30/2025	Chemtech -SO
Q1236-04	2	Solid	Percent Solids	Cool 4 deg C	SCIA01	E11	01/30/2025	Chemtech -SO
Q1236-05	3	Solid	Percent Solids	Cool 4 deg C	SCIA01	E11	01/30/2025	Chemtech -SO
Q1236-06	4	Solid	Percent Solids	Cool 4 deg C	SCIA01	E11	01/30/2025	Chemtech -SO
Q1236-07	5	Solid	Percent Solids	Cool 4 deg C	SCIA01	E11	01/30/2025	Chemtech -SO
Q1241-01	JPP-3.5-013025	Solid	Percent Solids	Cool 4 deg C	SCIA01	E11	01/30/2025	Chemtech -SO
Q1241-03	JPP-3.5-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1241-05	JPP-5.3-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1241-07	JPP-5.3-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1241-09	JPP-5.2-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1241-11	JPP-5.2-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1241-13	JPP-5.4-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1241-15	JPP-5.4-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1241-17	JPP-51.4-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1241-19	JPP-51.4-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1242-01	JPP-6.2-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1242-03	JPP-6.2-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1243-01	CL-01-01302025	Solid	Percent Solids	Cool 4 deg C	PSEG05	N41	01/30/2025	Chemtech -SO
Q1243-02	CL-01-01302025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	N41	01/30/2025	Chemtech -SO

Date/Time 01/31/25 16:10

Raw Sample Received by: JD (DC)

Raw Sample Relinquished by: RJ (CEAT-Lab)

Date/Time 01/31/25 17:50

Raw Sample Received by: RJ (CEAT-Lab)

Raw Sample Relinquished by: JD (DC)

WORKLIST(Hardcopy Internal Chain)

B134497

WorkList Name : %1-013125 **WorkList ID :** 187328 **Department :** Wet-Chemistry **Date :** 01-31-2025 07:56:55

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1244-01	EO-02-01302025	Solid	Percent Solids	Cool 4 deg C	PSEG05	N51	01/30/2025	Chemtech -SO
Q1244-02	EO-02-01302025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	N51	01/30/2025	Chemtech -SO
Q1254-01	OK-02-01312025	Solid	Percent Solids	Cool 4 deg C	PSEG05	N41	01/31/2025	Chemtech -SO
Q1254-02	OK-02-01312025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	N41	01/31/2025	Chemtech -SO
Q1257-01	013025	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1258-01	112224A	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1259-01	12825	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1260-01	12925-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	01/31/2025	Chemtech -SO
Q1260-02	12925-BC	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	01/31/2025	Chemtech -SO
Q1261-01	CHRT-20430	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	01/31/2025	Chemtech -SO
Q1261-02	CHRT-20430-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	01/31/2025	Chemtech -SO
Q1262-01	ETGI-371	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1262-02	ETGI-371-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1262-03	CONCRETE-PAD	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1262-04	CONCRETE-PAD-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1262-05	3762	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1263-01	KMA9027-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	N11	01/31/2025	Chemtech -SO
Q1263-02	KMA9027-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N11	01/31/2025	Chemtech -SO
Q1263-03	BC274653-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	N11	01/31/2025	Chemtech -SO
Q1263-04	BC274653-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N11	01/31/2025	Chemtech -SO
Q1264-01	AUD-1606	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	01/31/2025	Chemtech -SO

Date/Time 01/31/25 16:10
Raw Sample Received by: SD (WC)
Raw Sample Relinquished by: RJ (Ext-Lab)

Date/Time 01/31/25 17:50
Raw Sample Received by: RJ (Ext-Lab)
Raw Sample Relinquished by: SD (WC)

WORKLIST(Hardcopy Internal Chain)

VB134497

WorkList Name : %1-013125 **WorkList ID :** 187328 **Department :** Wet-Chemistry **Date :** 01-31-2025 07:56:55

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1264-02	AUD-25-0008	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	01/31/2025	Chemtech -SO
Q1265-01	AUD-25-0006	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1267-01	TRE-25-0003	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1267-02	TRE-25-0009	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1267-03	TRE-25-0011	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1268-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	01/31/2025	Chemtech -SO
Q1268-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	01/31/2025	Chemtech -SO
Q1268-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	01/31/2025	Chemtech -SO
Q1268-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	01/31/2025	Chemtech -SO
Q1268-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	01/31/2025	Chemtech -SO
Q1268-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	01/31/2025	Chemtech -SO
Q1268-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	01/31/2025	Chemtech -SO
Q1268-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	01/31/2025	Chemtech -SO
Q1268-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	01/31/2025	Chemtech -SO
Q1268-14	PCB-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	01/31/2025	Chemtech -SO
Q1269-01	VNJ-231	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	01/31/2025	Chemtech -SO
Q1269-02	VNJ-231-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D11	01/31/2025	Chemtech -SO
Q1270-01	BC247799-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D11	01/31/2025	Chemtech -SO
Q1270-02	BC247799-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	01/31/2025	Chemtech -SO
Q1270-03	BC274768-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	01/31/2025	Chemtech -SO
Q1270-04	BC274768-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	01/31/2025	Chemtech -SO

Date/Time 01/31/25 16:10

Raw Sample Received by: JA WDC

Raw Sample Relinquished by: RJ CETT-Lab

Date/Time 01/31/25 17:50

Raw Sample Received by: RJ CETT-Lab

Raw Sample Relinquished by: JA WDC

WORKLIST(Hardcopy Internal Chain)

IR-134497

WorkList Name : %1-013125 **WorkList ID :** 187328 **Department :** Wet-Chemistry **Date :** 01-31-2025 07:56:55

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1270-05	BC274768-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	01/31/2025	Chemtech -SO
Q1270-06	BC274768-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	01/31/2025	Chemtech -SO
Q1271-01	RBR200030	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	01/31/2025	Chemtech -SO
Q1271-02	RBR200030-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	01/31/2025	Chemtech -SO
Q1271-03	3189-3196	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	01/31/2025	Chemtech -SO

Date/Time 01/31/25 16:10

Raw Sample Received by: JD WDC

Raw Sample Relinquished by: RJ CEXT-lab

Date/Time 01/31/25 17:50

Raw Sample Received by: RJ CEXT-lab

Raw Sample Relinquished by: JD WDC

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

Prep Standard - Chemical Standard Summary

Order ID : Q1241

Test : Gasoline Range Organics

Prepbatch ID :

Sequence ID/Qc Batch ID: FB013125,

Standard ID :
PP24110,PP24111,PP24112,PP24113,PP24114,PP24115,PP24116,PP24117,PP24118,PP24167,PP24168,PP24169,

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

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
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

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
237	10 PPB ICC GRO STD	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

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
235	50 PPB ICC GRO STD	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

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
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	PP24167	01/31/2025	07/13/2025	Yogesh Patel	None	None	Ankita Jodhani 02/03/2025

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	PP24168	01/31/2025	07/13/2025	Yogesh Patel	None	None	Ankita Jodhani 02/03/2025

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	PP24169	01/31/2025	07/13/2025	Yogesh Patel	None	None	Ankita Jodhani 02/03/2025

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

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Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

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

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

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

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

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

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

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

Certificate of Analysis

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

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

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

Ken Koehnlein
Sr. Manager, Quality Assurance

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

1st source
DD
P9817 To P9826 (10)

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

Description : Gasoline Range Organics Mix (EPA)

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

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

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

CERTIFIED VALUES

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

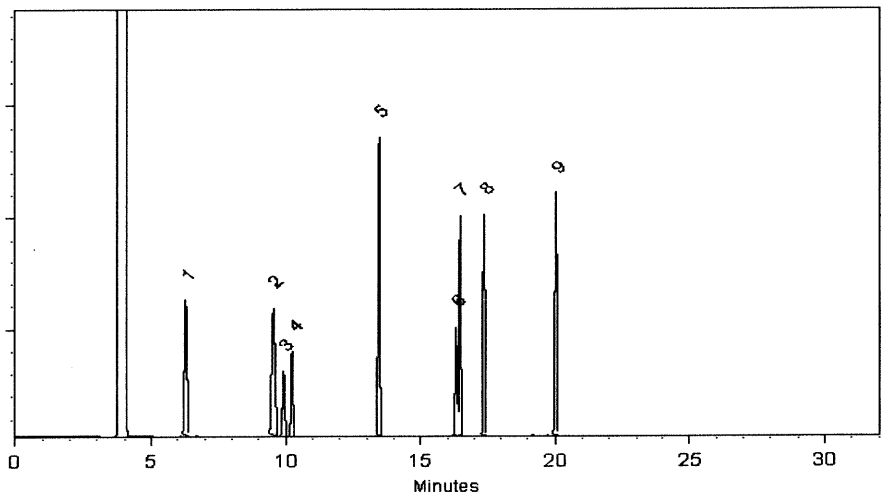
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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. / QUOTE NO.: Q1241
COC Number: 2041692

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 ☐ US EPA CLP
- ☐ NYS ASP A ☒ NYS ASP B
- ☐ Other
- ☐ EDD FORMAT

ANALYSIS

1 TCL VOCs + 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

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	JPP-3.5-013025	Soil		G	1/30/25	8:11	3	X	X	X	RA	X					
2.	JPP-3.5-013025	Soil	C		1/30/25	8:20	8			X	X	X	X	X	X	X	
3.	JPP-5.3-013025	Soil		G	1/30/25	8:52	3	X	X	X							
4.	JPP-5.3-013025	Soil	C		1/30/25	9:00	8			X	X	X	X	X	X	X	
5.	JPP-5.2-013025	Soil		G	1/30/25	9:46	3	X	X	X							
6.	JPP-5.2-013025	Soil	C		1/30/25	9:54	8			X	X	X	X	X	X	X	
7.	JPP-5.4-013025	Soil		G	1/30/25	10:43	3	X	X	X							
8.	JPP-5.4-013025	Soil	C		1/30/25	10:51	8			X	X	X	X	X	X	X	
9.	JPP-5.4-013025	Soil		G	1/30/25	11:48	3	X	X	X							
10.	JPP-5.4-013025	Soil	C		1/30/25	11:56	8			X	X	X	X	X	X	X	

PRESERVATIVES: A-HCl, B-HN03, C-H2SO4, D-NaOH, E-ICE, F-OTHER

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. RA	1-30-25 1453	1.
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 4.1 °C
Comments: Preserve extra Sample Jar if additional analysis is Required.
1 Cooler #

Page 1 of 2

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

Shipment Complete ☐ YES ☐ NO

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

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

Laboratory Certification

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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1241 RUTW01
Client Name : RU2 Engineering, LLC
Client Contact : Rutu Manani
Invoice Name : RU2 Engineering, LLC
Invoice Contact : Rutu Manani

Order Date : 1/30/2025 2:58:00 PM
Project Name : NYCDDC SANTWOBR Bı
Receive DateTime : 1/30/2025 2:53:00 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
Q1241-01	JPP-3.5-013025	Solid	01/30/2025	08:11					
					VOCMS Group1		8260D		10 Bus. Days
Q1241-05	JPP-5.3-013025	Solid	01/30/2025	08:52					
					VOCMS Group1		8260D		10 Bus. Days
Q1241-09	JPP-5.2-013025	Solid	01/30/2025	09:46					
					VOCMS Group1		8260D		10 Bus. Days
Q1241-13	JPP-5.4-013025	Solid	01/30/2025	10:43					
					VOCMS Group1		8260D		10 Bus. Days
Q1241-17	JPP-51.4-013025	Solid	01/30/2025	11:48					
					VOCMS Group1		8260D		10 Bus. Days

Relinguished By : CL
Date / Time : 1-30-25 1550

Received By : JC
Date / Time : 1/30/25 1580

Storage Area : VOA Refridgerator Room

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1241 RUTW01
Client Name : RU2 Engineering, LLC
Client Contact : Rutu Manani
Invoice Name : RU2 Engineering, LLC
Invoice Contact : Rutu Manani

Order Date : 1/30/2025 2:58:00 PM
Project Name : NYCDDC SANTWOBR B1
Receive DateTime : 1/30/2025 2:53:00 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
Q1241-01	JPP-3.5-013025	Solid	01/30/2025	08:11					
					Gasoline Range Organics		8015D		10 Bus. Days
Q1241-05	JPP-5.3-013025	Solid	01/30/2025	08:52					
					Gasoline Range Organics		8015D		10 Bus. Days
Q1241-09	JPP-5.2-013025	Solid	01/30/2025	09:46					
					Gasoline Range Organics		8015D		10 Bus. Days
Q1241-13	JPP-5.4-013025	Solid	01/30/2025	10:43					
					Gasoline Range Organics		8015D		10 Bus. Days
Q1241-17	JPP-51.4-013025	Solid	01/30/2025	11:48					
					Gasoline Range Organics		8015D		10 Bus. Days

Relinguished By : cl
Date / Time : 1-30-25 1550

Received By : JC
Date / Time : 1/30/25 1550

Storage Area : VOA Refridgerator Room