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

DATA PACKAGE

GC SEMI-VOLATILES

PROJECT NAME : NYCDDC SANTWOBR BROOKLYN BRIDGE BBMCR

RU2 ENGINEERING, LLC

2 Melinda Drive

Monroe Township, NJ - 08831

Phone No: 732-261-2236

ORDER ID : Q1232

ATTENTION : Rutu Manani

Laboratory Certification ID # 20012

Table Of Contents for Q1232

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Cover Page

Order ID : Q1232

Project ID : NYCDDC SANTWOBR Brooklyn Bridge BBMCR

Client : RU2 Engineering, LLC

Lab Sample Number	Client Sample Number
Q1232-01	JPP-46.2-012925
Q1232-02	JPP-46.2-012925
Q1232-03	JPP-46.2-012925
Q1232-04	JPP-46.2-012925
Q1232-05	JPP-46.1-012925
Q1232-06	JPP-46.1-012925
Q1232-07	JPP-46.1-012925
Q1232-08	JPP-46.1-012925
Q1232-09	JPP-42.1-012925
Q1232-10	JPP-42.1-012925
Q1232-11	JPP-42.1-012925
Q1232-12	JPP-42.1-012925
Q1232-13	JPP-42.2-012925
Q1232-14	JPP-42.2-012925
Q1232-15	JPP-42.2-012925
Q1232-16	JPP-42.2-012925
Q1232-17	JPP-51.1-012925
Q1232-18	JPP-51.1-012925
Q1232-19	JPP-51.1-012925
Q1232-20	JPP-51.1-012925

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

Signature : APPROVED *By Nimisha Pandya, QA/QC Supervisor at 2:39 pm, Feb 13, 2025* 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 # Q1232
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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I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature APPROVED
By Nimisha Pandya, QA/QC Supervisor at 2:39 pm, Feb 13, 2025

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

DATA REPORTING QUALIFIERS- ORGANIC

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

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

Alliance TECHNICAL GROUP
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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: Q1232 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

REVIEWED
By Sohil Jodhani, QA/QC Director at 11:08 am, Feb 13, 2025

DATE

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1232

	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:	Q1232	**OrderDate:**	1/30/2025 11:55:00 AM
Client:	RU2 Engineering, LLC	**Project:**	NYCDDC SANTWOBR Brooklyn Bridge BBMCR
Contact:	Rutu Manani	**Location:**	E11,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1232-01	**JPP-46.2-012925**	**SOIL**			**01/29/25**			**01/30/25**
			Diesel Range Organics	8015D		01/31/25	01/31/25	
			Gasoline Range Organics	8015D			01/31/25	
Q1232-03	**JPP-46.2-012925**	**SOIL**			**01/29/25**			**01/30/25**
			Pesticide-TCL	8081B		01/31/25	01/31/25	
Q1232-04	**JPP-46.2-012925**	**TCLP**			**01/29/25**			**01/30/25**
			TCLP Pesticide	8081B		01/31/25	02/03/25	
Q1232-05	**JPP-46.1-012925**	**SOIL**			**01/29/25**			**01/30/25**
			Diesel Range Organics	8015D		01/31/25	01/31/25	
			Gasoline Range Organics	8015D			02/03/25	
Q1232-07	**JPP-46.1-012925**	**SOIL**			**01/29/25**			**01/30/25**
			Pesticide-TCL	8081B		01/31/25	01/31/25	
Q1232-08	**JPP-46.1-012925**	**TCLP**			**01/29/25**			**01/30/25**
			TCLP Pesticide	8081B		01/31/25	02/03/25	
Q1232-09	**JPP-42.1-012925**	**SOIL**			**01/29/25**			**01/30/25**
			Diesel Range Organics	8015D		01/31/25	01/31/25	
			Gasoline Range Organics	8015D			02/03/25	
Q1232-11	**JPP-42.1-012925**	**SOIL**			**01/29/25**			**01/30/25**
			Pesticide-TCL	8081B		01/31/25	01/31/25	
Q1232-12	**JPP-42.1-012925**	**TCLP**			**01/29/25**			**01/30/25**
			TCLP Pesticide	8081B		01/31/25	02/03/25	
Q1232-13	**JPP-42.2-012925**	**SOIL**			**01/29/25**			**01/30/25**
			Diesel Range Organics	8015D		01/31/25	01/31/25	
			Gasoline Range Organics	8015D			02/03/25	

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LAB CHRONICLE

Q1232-15	**JPP-42.2-012925**	**SOIL**			**01/29/25**			**01/30/25**
			Pesticide-TCL	8081B		01/31/25	01/31/25	
Q1232-16	**JPP-42.2-012925**	**TCLP**			**01/29/25**			**01/30/25**
			TCLP Pesticide	8081B		01/31/25	02/03/25	
Q1232-17	**JPP-51.1-012925**	**SOIL**			**01/29/25**			**01/30/25**
			Diesel Range Organics	8015D		01/31/25	01/31/25	
			Gasoline Range Organics	8015D			02/03/25	
Q1232-19	**JPP-51.1-012925**	**SOIL**			**01/29/25**			**01/30/25**
			Pesticide-TCL	8081B		01/31/25	01/31/25	
Q1232-20	**JPP-51.1-012925**	**TCLP**			**01/29/25**			**01/30/25**
			TCLP Pesticide	8081B		01/31/25	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.: Q1232 SAS No.: Q1232 SDG No.: Q1232

EPA SAMPLE NO.	S1 AAA-TFT	S2	S3	S4	TOT OUT
VBF0131S1	103				0
BSF0131S1	98				0
BSF0131S2	91				0
JPP-46.2-012925	95				0
VBF0203S1	92				0
BSF0203S1	98				0
JPP-46.1-012925	74				0
JPP-42.1-012925	77				0
JPP-42.2-012925	80				0
JPP-51.1-012925	86				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:** Q1232 **SAS No :** Q1232 **SDG No:** Q1232

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:** Q1232 **SAS No :** Q1232 **SDG No:** Q1232

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

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

Lab Code: CHEM **Cas No:** Q1232 **SAS No :** Q1232 **SDG No:** Q1232

Matrix Spike - EPA Sample No : BSF0203S1 **Datafile:** FB031442.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS
GRO	180	0	142	79	50-150

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METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBF0131S1

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1232 SAS No.: Q1232 SDG NO.: Q1232

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
BSF0131S2	BSF0131S2	FB031420.D	01/31/25
JPP-46.2-012925	Q1232-01	FB031435.D	01/31/25

COMMENTS:

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METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBF0203S1

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1232 SAS No.: Q1232 SDG NO.: Q1232

Lab File ID: FB031440.D Lab Sample ID: VBF0203S1

Date Analyzed: 02/03/25 Time Analyzed: 11:47

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
BSF0203S1	BSF0203S1	FB031442.D	02/03/25
JPP-46.1-012925	Q1232-05	FB031443.D	02/03/25
JPP-42.1-012925	Q1232-09	FB031444.D	02/03/25
JPP-42.2-012925	Q1232-13	FB031445.D	02/03/25
JPP-51.1-012925	Q1232-17	FB031446.D	02/03/25

COMMENTS:

SAMPLE DATA

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Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/29/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-46.2-012925	SDG No.:	Q1232
Lab Sample ID:	Q1232-01	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	89.7 Decanted:
Sample Wt/Vol:	8.31 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
FB031435.D	1	01/31/25 20:45	FB013125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	30.0	U	5.00	30.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	19.0		50 - 150	95%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013125\
Data File : FB031435.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 20:45
Operator : YP/AJ
Sample : Q1232-01
Misc : 8.31G/5.00 ML DI WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
JPP-46.2-012925

Integration File: Calibration.e
Quant Time: Feb 01 00:17:23 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	452513	18.971 ng/ml
Target Compounds				

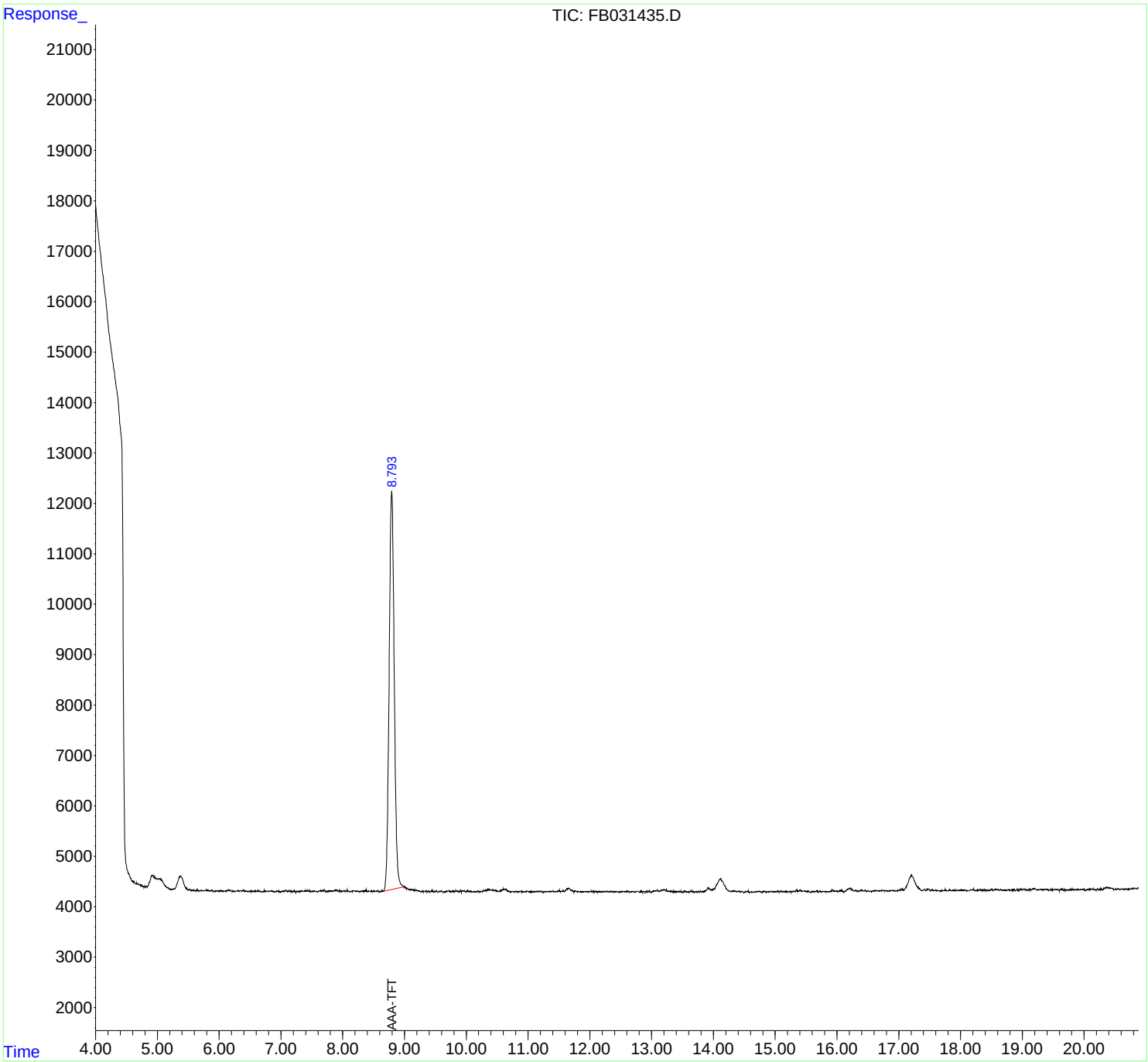
(f)=RT Delta > 1/2 Window (m)=manual int.

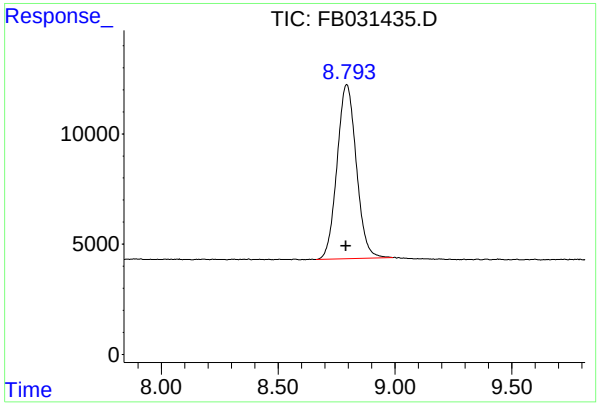
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013125\
Data File : FB031435.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 20:45
Operator : YP/AJ
Sample : Q1232-01
Misc : 8.31G/5.00 ML DI WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
JPP-46.2-012925

Integration File: Calibration.e
Quant Time: Feb 01 00:17:23 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: 452513
Conc: 18.97 ng/m

Instrument :
FID_B
ClientSampleId :
JPP-46.2-012925

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013125\
Data File : FB031435.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 20:45
Sample : Q1232-01
Misc : 8.31G/5.00 ML DI WATER
ALS Vial : 26 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	4.663	4.621	4.678	BV	4	-128	-0.03%	-0.020%
2	4.687	4.678	4.713	PV	19	177	0.04%	0.028%
3	4.718	4.713	4.727	VV	11	79	0.02%	0.012%
4	4.737	4.727	4.770	VV	23	298	0.06%	0.046%
5	4.779	4.770	4.786	PV	15	57	0.01%	0.009%
6	4.794	4.786	4.810	PV	12	117	0.03%	0.018%
7	5.013	4.999	5.026	VV	195	3088	0.66%	0.481%
8	5.214	5.198	5.241	PV	13	139	0.03%	0.022%
9	5.528	5.503	5.542	VV	30	458	0.10%	0.071%
10	5.551	5.542	5.573	VV	24	235	0.05%	0.037%
11	5.591	5.573	5.607	VV	19	287	0.06%	0.045%
12	5.619	5.607	5.629	VV	17	134	0.03%	0.021%
13	5.644	5.629	5.665	PV	38	380	0.08%	0.059%
14	5.681	5.665	5.689	PV	18	184	0.04%	0.029%
15	5.700	5.689	5.745	VV	19	549	0.12%	0.086%
16	5.813	5.745	5.822	VV	38	1081	0.23%	0.168%
17	5.831	5.822	5.843	VV	35	305	0.07%	0.048%
18	5.855	5.843	5.865	VV	29	251	0.05%	0.039%
19	5.882	5.865	5.913	VV	40	582	0.13%	0.091%
20	5.939	5.913	5.999	PV	25	887	0.19%	0.138%
21	6.007	5.999	6.017	VV	24	183	0.04%	0.029%
22	6.035	6.017	6.050	VV	31	424	0.09%	0.066%
23	6.064	6.050	6.075	VV	25	265	0.06%	0.041%
24	6.121	6.075	6.141	VV	29	742	0.16%	0.116%
25	6.156	6.141	6.182	VV	44	727	0.16%	0.113%
26	6.191	6.182	6.224	VV	35	483	0.10%	0.075%
27	6.232	6.224	6.257	VV	20	299	0.06%	0.047%
28	6.314	6.257	6.327	VV	34	777	0.17%	0.121%
29	6.350	6.327	6.372	VV	31	595	0.13%	0.093%
30	6.392	6.372	6.414	VV	43	689	0.15%	0.107%
31	6.441	6.414	6.456	VV	23	360	0.08%	0.056%
32	6.464	6.456	6.491	VV	17	235	0.05%	0.037%
33	6.499	6.491	6.505	VV	16	122	0.03%	0.019%
34	6.513	6.505	6.543	VV	32	367	0.08%	0.057%
35	6.553	6.543	6.574	VV	27	289	0.06%	0.045%
36	6.587	6.574	6.598	VV	33	277	0.06%	0.043%

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37	6.636	6.598	6.659	VV	38	621	0.13%	0.097%
38	6.665	6.659	6.675	VV	22	148	0.03%	0.023%
39	6.689	6.675	6.700	VV	14	140	0.03%	0.022%
40	6.727	6.700	6.736	PV	36	231	0.05%	0.036%
41	6.745	6.736	6.752	VV	18	145	0.03%	0.023%
42	6.759	6.752	6.771	VV	20	152	0.03%	0.024%
43	6.790	6.771	6.806	VV	16	243	0.05%	0.038%
44	6.842	6.806	6.849	VV	18	321	0.07%	0.050%
45	6.857	6.849	6.867	VV	22	145	0.03%	0.023%
46	6.875	6.867	6.919	VB	14	110	0.02%	0.017%
47	6.961	6.939	6.987	BV	18	197	0.04%	0.031%
48	6.998	6.987	7.005	PV	12	54	0.01%	0.008%
49	7.035	7.005	7.045	VV	20	293	0.06%	0.046%
50	7.082	7.045	7.120	VV	35	819	0.18%	0.128%
51	7.138	7.120	7.158	VV	24	407	0.09%	0.063%
52	7.173	7.158	7.185	VV	30	257	0.06%	0.040%
53	7.218	7.185	7.259	PV	36	566	0.12%	0.088%
54	7.278	7.259	7.289	VV	23	247	0.05%	0.039%
55	7.342	7.289	7.354	PV	27	738	0.16%	0.115%
56	7.362	7.354	7.371	VV	25	198	0.04%	0.031%
57	7.382	7.371	7.396	VV	29	330	0.07%	0.051%
58	7.404	7.396	7.414	VV	31	246	0.05%	0.038%
59	7.425	7.414	7.457	VV	30	614	0.13%	0.096%
60	7.466	7.457	7.479	VV	48	300	0.06%	0.047%
61	7.489	7.479	7.497	VV	16	106	0.02%	0.017%
62	7.513	7.497	7.525	VV	31	280	0.06%	0.044%
63	7.541	7.525	7.571	VV	35	545	0.12%	0.085%
64	7.578	7.571	7.596	VV	20	170	0.04%	0.026%
65	7.610	7.596	7.618	VV	23	181	0.04%	0.028%
66	7.640	7.618	7.650	VV	38	499	0.11%	0.078%
67	7.671	7.650	7.691	VV	36	672	0.14%	0.105%
68	7.699	7.691	7.719	VV	39	524	0.11%	0.082%
69	7.730	7.719	7.739	VV	22	241	0.05%	0.038%
70	7.804	7.739	7.827	VV	35	1130	0.24%	0.176%
71	7.913	7.827	7.936	VV	48	1930	0.41%	0.301%
72	7.986	7.936	8.004	VV	29	898	0.19%	0.140%
73	8.029	8.004	8.052	VV	37	779	0.17%	0.121%
74	8.077	8.052	8.092	VV	40	652	0.14%	0.102%
75	8.102	8.092	8.131	VV	19	361	0.08%	0.056%
76	8.162	8.131	8.168	VV	30	459	0.10%	0.072%
77	8.180	8.168	8.206	VV	37	574	0.12%	0.089%
78	8.219	8.206	8.238	VV	32	428	0.09%	0.067%
79	8.248	8.238	8.256	VV	25	211	0.05%	0.033%
80	8.265	8.256	8.281	VV	23	229	0.05%	0.036%
81	8.313	8.281	8.331	VV	32	641	0.14%	0.100%
82	8.358	8.331	8.366	VV	34	508	0.11%	0.079%
83	8.375	8.366	8.387	VV	46	337	0.07%	0.052%
84	8.421	8.387	8.442	VV	28	602	0.13%	0.094%
85	8.461	8.442	8.479	VV	28	410	0.09%	0.064%
86	8.507	8.479	8.537	VV	31	687	0.15%	0.107%
87	8.546	8.537	8.556	VV	24	215	0.05%	0.034%
88	8.568	8.556	8.594	VV	34	494	0.11%	0.077%
89	8.646	8.594	8.662	VV	36	841	0.18%	0.131%

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90	8.794	8.662	8.991	VV	7956	465437	100.00%	72.511%
91	8.998	8.991	9.008	VV	123	1093	0.23%	0.170%
92	9.017	9.008	9.029	VV	108	1175	0.25%	0.183%
93	9.038	9.029	9.088	VV	86	2362	0.51%	0.368%
94	9.097	9.088	9.127	VV	59	1261	0.27%	0.196%
95	9.136	9.127	9.158	VV	55	885	0.19%	0.138%
96	9.165	9.158	9.220	VV	48	1373	0.29%	0.214%
97	9.236	9.220	9.266	VV	37	684	0.15%	0.107%
98	9.297	9.266	9.306	VV	35	485	0.10%	0.076%
99	9.324	9.306	9.337	VV	28	403	0.09%	0.063%
100	9.354	9.337	9.369	VV	32	451	0.10%	0.070%
101	9.390	9.369	9.409	VV	33	496	0.11%	0.077%
102	9.441	9.409	9.473	VV	44	826	0.18%	0.129%
103	9.522	9.473	9.550	VV	38	718	0.15%	0.112%
104	9.567	9.550	9.577	VV	28	297	0.06%	0.046%
105	9.600	9.577	9.626	VV	35	574	0.12%	0.089%
106	9.655	9.626	9.665	VV	19	283	0.06%	0.044%
107	9.681	9.665	9.688	VV	23	227	0.05%	0.035%
108	9.712	9.688	9.719	VV	30	467	0.10%	0.073%
109	9.726	9.719	9.741	VV	37	312	0.07%	0.049%
110	9.794	9.741	9.812	VV	38	897	0.19%	0.140%
111	9.821	9.812	9.837	VV	29	344	0.07%	0.054%
112	9.851	9.837	9.878	VV	41	600	0.13%	0.094%
113	9.887	9.878	9.896	VV	33	198	0.04%	0.031%
114	9.913	9.896	9.924	VV	53	436	0.09%	0.068%
115	9.937	9.924	9.945	VV	34	346	0.07%	0.054%
116	9.954	9.945	9.979	VV	35	573	0.12%	0.089%
117	9.988	9.979	10.006	VV	21	306	0.07%	0.048%
118	10.020	10.006	10.046	VV	33	554	0.12%	0.086%
119	10.054	10.046	10.060	VV	25	144	0.03%	0.022%
120	10.069	10.060	10.092	VV	33	371	0.08%	0.058%
121	10.195	10.092	10.218	VV	34	1242	0.27%	0.193%
122	10.232	10.218	10.259	VV	31	423	0.09%	0.066%
123	10.279	10.259	10.296	VV	42	615	0.13%	0.096%
124	10.311	10.296	10.341	VV	51	1124	0.24%	0.175%
125	10.354	10.341	10.375	VV	71	1119	0.24%	0.174%
126	10.382	10.375	10.427	VV	58	1598	0.34%	0.249%
127	10.436	10.427	10.466	VV	53	982	0.21%	0.153%
128	10.479	10.466	10.489	VV	51	549	0.12%	0.085%
129	10.494	10.489	10.521	VV	37	566	0.12%	0.088%
130	10.532	10.521	10.551	VV	30	470	0.10%	0.073%
131	10.568	10.551	10.577	VV	53	610	0.13%	0.095%
132	10.626	10.577	10.639	VV	71	2193	0.47%	0.342%
133	10.651	10.639	10.694	VV	66	1316	0.28%	0.205%
134	10.705	10.694	10.717	VV	32	289	0.06%	0.045%
135	10.731	10.717	10.738	VV	22	204	0.04%	0.032%
136	10.750	10.738	10.775	VV	28	447	0.10%	0.070%
137	10.781	10.775	10.789	VV	19	134	0.03%	0.021%
138	10.803	10.789	10.836	VV	24	562	0.12%	0.087%
139	10.850	10.836	10.861	VV	21	251	0.05%	0.039%
140	10.870	10.861	10.874	VV	17	124	0.03%	0.019%
141	10.887	10.874	10.905	VV	31	339	0.07%	0.053%

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142	10.915	10.905	10.922	VV	20	141	0.03%	0.022%
143	10.953	10.922	10.966	VV	22	451	0.10%	0.070%
144	10.982	10.966	11.019	VV	30	681	0.15%	0.106%
145	11.029	11.019	11.039	VV	21	187	0.04%	0.029%
146	11.049	11.039	11.069	VV	33	252	0.05%	0.039%
147	11.104	11.069	11.111	VV	21	392	0.08%	0.061%
148	11.154	11.111	11.167	VV	25	685	0.15%	0.107%
149	11.179	11.167	11.190	VV	28	295	0.06%	0.046%
150	11.221	11.190	11.236	VV	35	611	0.13%	0.095%
151	11.262	11.236	11.281	VV	24	352	0.08%	0.055%
152	11.289	11.281	11.304	VV	26	255	0.05%	0.040%
153	11.326	11.304	11.334	VV	24	343	0.07%	0.053%
154	11.371	11.334	11.378	VV	26	550	0.12%	0.086%
155	11.390	11.378	11.423	VV	29	616	0.13%	0.096%
156	11.442	11.423	11.453	VV	27	359	0.08%	0.056%
157	11.467	11.453	11.479	VV	27	322	0.07%	0.050%
158	11.493	11.479	11.501	VV	35	367	0.08%	0.057%
159	11.508	11.501	11.531	VV	40	460	0.10%	0.072%
160	11.541	11.531	11.548	VV	28	251	0.05%	0.039%
161	11.564	11.548	11.587	VV	46	715	0.15%	0.111%
162	11.628	11.587	11.638	VV	83	1599	0.34%	0.249%
163	11.644	11.638	11.648	VV	81	458	0.10%	0.071%
164	11.661	11.648	11.718	VV	92	2734	0.59%	0.426%
165	11.721	11.718	11.736	VV	46	349	0.08%	0.054%
166	11.755	11.736	11.763	VV	43	446	0.10%	0.069%
167	11.775	11.763	11.793	VV	35	510	0.11%	0.079%
168	11.815	11.793	11.838	VV	29	569	0.12%	0.089%
169	11.845	11.838	11.861	VV	22	236	0.05%	0.037%
170	11.888	11.861	11.896	VV	23	345	0.07%	0.054%
171	11.906	11.896	11.922	VV	22	313	0.07%	0.049%
172	11.932	11.922	11.942	VV	28	241	0.05%	0.038%
173	11.964	11.942	11.991	VV	21	550	0.12%	0.086%
174	12.022	11.991	12.033	VV	32	598	0.13%	0.093%
175	12.052	12.033	12.061	VV	38	438	0.09%	0.068%
176	12.067	12.061	12.122	VV	31	715	0.15%	0.111%
177	12.143	12.122	12.179	VV	24	616	0.13%	0.096%
178	12.188	12.179	12.199	VV	24	206	0.04%	0.032%
179	12.233	12.199	12.264	VV	27	824	0.18%	0.128%
180	12.286	12.264	12.305	VV	27	527	0.11%	0.082%
181	12.347	12.305	12.372	VV	34	869	0.19%	0.135%
182	12.383	12.372	12.414	VV	31	499	0.11%	0.078%
183	12.424	12.414	12.433	VV	29	222	0.05%	0.035%
184	12.449	12.433	12.475	VV	23	422	0.09%	0.066%
185	12.518	12.475	12.542	VV	23	754	0.16%	0.117%
186	12.553	12.542	12.569	VV	30	367	0.08%	0.057%
187	12.581	12.569	12.589	VV	26	270	0.06%	0.042%
188	12.595	12.589	12.606	VV	34	217	0.05%	0.034%
189	12.622	12.606	12.652	VV	41	615	0.13%	0.096%
190	12.661	12.652	12.677	VV	24	284	0.06%	0.044%
191	12.687	12.677	12.697	VV	30	278	0.06%	0.043%
192	12.704	12.697	12.715	VV	27	240	0.05%	0.037%
193	12.723	12.715	12.736	VV	27	259	0.06%	0.040%
194	12.768	12.736	12.803	VV	35	909	0.20%	0.142%

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195	12.824	12.803	12.854	VV	44	717	0.15%	0.112%
196	12.879	12.854	12.891	VV	32	486	0.10%	0.076%
197	12.927	12.891	12.939	VV	46	666	0.14%	0.104%
198	12.952	12.939	12.958	VV	32	313	0.07%	0.049%
199	12.965	12.958	12.987	VV	50	411	0.09%	0.064%
200	13.033	12.987	13.074	VV	46	1600	0.34%	0.249%
201	13.092	13.074	13.116	VV	55	1008	0.22%	0.157%
202	13.161	13.116	13.172	VV	62	1410	0.30%	0.220%
203	13.203	13.172	13.232	VV	65	1972	0.42%	0.307%
204	13.242	13.232	13.269	VV	65	880	0.19%	0.137%
205	13.281	13.269	13.310	VV	36	739	0.16%	0.115%
206	13.319	13.310	13.341	VV	38	513	0.11%	0.080%
207	13.350	13.341	13.362	VV	25	252	0.05%	0.039%
208	13.375	13.362	13.391	VV	33	284	0.06%	0.044%
209	13.398	13.391	13.405	VV	33	195	0.04%	0.030%
210	13.414	13.405	13.460	VV	27	741	0.16%	0.115%
211	13.473	13.460	13.504	VV	38	565	0.12%	0.088%
212	13.538	13.504	13.560	VV	42	923	0.20%	0.144%
213	13.569	13.560	13.582	VV	27	296	0.06%	0.046%
214	13.591	13.582	13.604	VV	30	257	0.06%	0.040%
215	13.653	13.604	13.670	VV	37	989	0.21%	0.154%
216	13.680	13.670	13.692	VV	32	245	0.05%	0.038%
217	13.705	13.692	13.723	VV	27	352	0.08%	0.055%
218	13.734	13.723	13.743	VV	24	205	0.04%	0.032%
219	13.759	13.743	13.776	VV	37	459	0.10%	0.071%
220	13.791	13.776	13.802	VV	41	393	0.08%	0.061%
221	13.832	13.802	13.840	VV	38	580	0.12%	0.090%
222	13.912	13.840	13.967	VV	106	4566	0.98%	0.711%
223	13.976	13.967	13.991	VV	70	883	0.19%	0.138%
224	14.122	13.991	14.238	VV	287	24072	5.17%	3.750%
225	14.245	14.238	14.260	VV	52	566	0.12%	0.088%
226	14.289	14.260	14.298	VV	37	712	0.15%	0.111%
227	14.324	14.298	14.345	VV	49	1031	0.22%	0.161%
228	14.354	14.345	14.363	VV	38	379	0.08%	0.059%
229	14.371	14.363	14.385	VV	40	418	0.09%	0.065%
230	14.393	14.385	14.398	VV	29	223	0.05%	0.035%
231	14.424	14.398	14.433	VV	40	681	0.15%	0.106%
232	14.442	14.433	14.450	VV	32	267	0.06%	0.042%
233	14.461	14.450	14.491	VV	32	531	0.11%	0.083%
234	14.528	14.491	14.537	PV	35	556	0.12%	0.087%
235	14.546	14.537	14.554	VV	30	293	0.06%	0.046%
236	14.563	14.554	14.578	VV	43	381	0.08%	0.059%
237	14.594	14.578	14.605	VV	19	186	0.04%	0.029%
238	14.621	14.605	14.644	VV	25	405	0.09%	0.063%
239	14.677	14.644	14.691	VV	26	550	0.12%	0.086%
240	14.700	14.691	14.705	VV	25	161	0.03%	0.025%
241	14.716	14.705	14.727	VV	31	322	0.07%	0.050%
242	14.739	14.727	14.782	VV	37	786	0.17%	0.122%
243	14.802	14.782	14.810	VV	30	301	0.06%	0.047%
244	14.829	14.810	14.845	VV	34	551	0.12%	0.086%
245	14.854	14.845	14.891	VV	25	492	0.11%	0.077%
246	14.903	14.891	14.913	VV	26	251	0.05%	0.039%

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247	14.923	14.913	14.944	VV	29	426	0.09%	0.066%
248	14.952	14.944	14.964	VV	26	280	0.06%	0.044%
249	14.973	14.964	14.999	VV	27	452	0.10%	0.070%
250	15.006	14.999	15.015	VV	30	209	0.04%	0.033%
251	15.026	15.015	15.030	VV	27	201	0.04%	0.031%
252	15.050	15.030	15.070	VV	36	578	0.12%	0.090%
253	15.093	15.070	15.122	VV	39	747	0.16%	0.116%
254	15.128	15.122	15.156	VV	24	369	0.08%	0.057%
255	15.159	15.156	15.164	VV	21	93	0.02%	0.014%
256	15.180	15.164	15.197	VV	40	414	0.09%	0.064%
257	15.211	15.197	15.227	VV	20	328	0.07%	0.051%
258	15.236	15.227	15.245	VV	22	199	0.04%	0.031%
259	15.250	15.245	15.271	VV	30	299	0.06%	0.047%
260	15.302	15.271	15.316	VV	32	611	0.13%	0.095%
261	15.350	15.316	15.390	VV	48	1400	0.30%	0.218%
262	15.408	15.390	15.438	VV	52	1029	0.22%	0.160%
263	15.484	15.438	15.495	VV	33	922	0.20%	0.144%
264	15.498	15.495	15.515	VV	30	228	0.05%	0.036%
265	15.523	15.515	15.531	VV	34	259	0.06%	0.040%
266	15.546	15.531	15.570	VV	29	386	0.08%	0.060%
267	15.679	15.570	15.700	PV	30	1201	0.26%	0.187%
268	15.723	15.700	15.751	VV	39	441	0.09%	0.069%
269	15.774	15.751	15.791	VV	20	320	0.07%	0.050%
270	15.802	15.791	15.816	VV	17	183	0.04%	0.028%
271	15.841	15.816	15.869	VV	13	324	0.07%	0.050%
272	15.937	15.869	15.950	VV	40	1012	0.22%	0.158%
273	15.957	15.950	15.985	VV	28	412	0.09%	0.064%
274	16.001	15.985	16.026	VV	32	425	0.09%	0.066%
275	16.053	16.026	16.065	VV	40	490	0.11%	0.076%
276	16.074	16.065	16.109	VV	36	435	0.09%	0.068%
277	16.214	16.109	16.241	PV	76	3226	0.69%	0.503%
278	16.248	16.241	16.271	VV	47	530	0.11%	0.083%
279	16.281	16.271	16.291	VV	22	227	0.05%	0.035%
280	16.304	16.291	16.325	VV	27	350	0.08%	0.055%
281	16.333	16.325	16.347	PV	13	77	0.02%	0.012%
282	16.359	16.347	16.375	PV	21	168	0.04%	0.026%
			Sum of corrected areas:			641883		

FB011525.M Sat Feb 01 01:04:00 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:	01/29/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-46.1-012925	SDG No.:	Q1232
Lab Sample ID:	Q1232-05	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	93.8 Decanted:
Sample Wt/Vol:	13.81 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
FB031443.D	1	02/03/25 13:20	FB020325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	17.0	U	3.00	17.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	14.8		50 - 150	74%	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\FB020325\
Data File : FB031443.D
Signal(s) : FID2B.CH
Acq On : 3 Feb 2025 13:20
Operator : YP/AJ
Sample : Q1232-05
Misc : 13.81G/5.00 ML DI WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
JPP-46.1-012925

Integration File: Calibration.e
Quant Time: Feb 04 00:19:00 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	353949	14.839 ng/ml
Target Compounds				

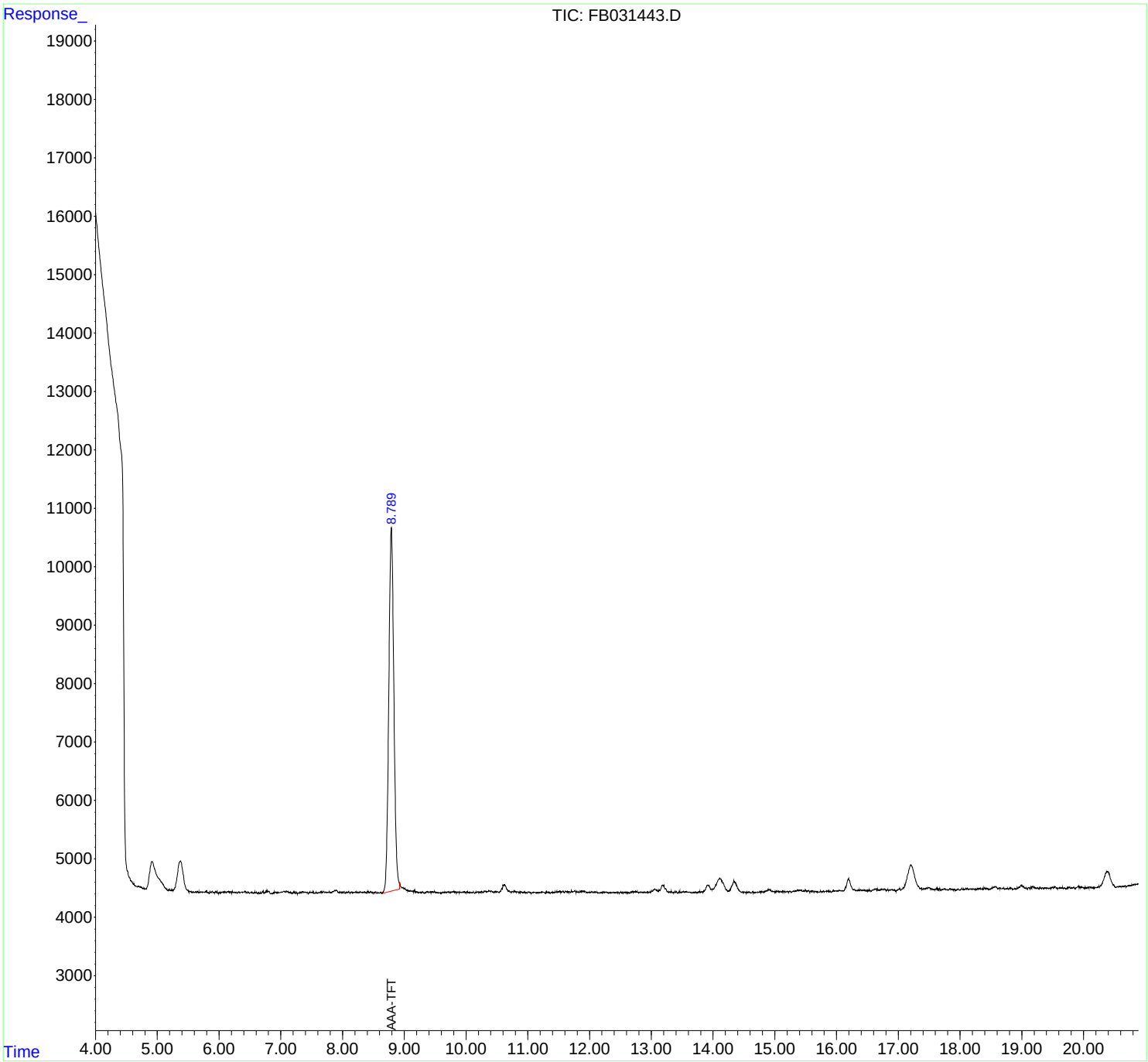
(f)=RT Delta > 1/2 Window (m)=manual int.

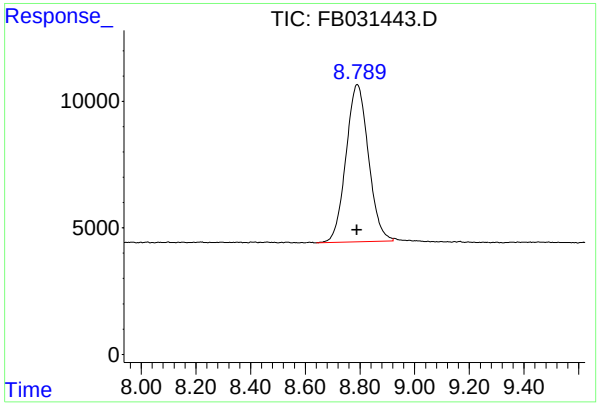
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB020325\
Data File : FB031443.D
Signal(s) : FID2B.CH
Acq On : 3 Feb 2025 13:20
Operator : YP/AJ
Sample : Q1232-05
Misc : 13.81G/5.00 ML DI WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
JPP-46.1-012925

Integration File: Calibration.e
Quant Time: Feb 04 00:19:00 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





#5 AAA-TFT

R.T.: 8.791 min
Delta R.T.: 0.001 mi
Response: 353949
Conc: 14.84 ng/m

Instrument :
FID_B
ClientSampleId :
JPP-46.1-012925

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB020325\
Data File : FB031443.D
Signal(s) : FID2B.CH
Acq On : 3 Feb 2025 13:20
Sample : Q1232-05
Misc : 13.81G/5.00 ML DI WATER
ALS Vial : 5 Sample Multiplier: 1

Integration File: SAMPLE.e

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

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.622	4.587	4.715	BB	-14	-1242	-0.34%	-0.220%
2	4.786	4.738	4.798	BV	14	-10	-0.00%	-0.002%
3	4.807	4.798	4.818	PV	3	14	0.00%	0.002%
4	5.195	5.184	5.211	VV	28	243	0.07%	0.043%
5	5.239	5.211	5.258	VV	31	417	0.11%	0.074%
6	5.529	5.512	5.561	VV	23	455	0.12%	0.081%
7	5.582	5.561	5.599	PV	22	232	0.06%	0.041%
8	5.623	5.599	5.633	VV	24	241	0.07%	0.043%
9	5.650	5.633	5.667	VV	31	325	0.09%	0.058%
10	5.701	5.667	5.745	VV	22	767	0.21%	0.136%
11	5.753	5.745	5.764	VV	24	215	0.06%	0.038%
12	5.799	5.764	5.815	VV	41	747	0.20%	0.132%
13	5.828	5.815	5.839	VV	21	200	0.05%	0.035%
14	5.854	5.839	5.875	PV	36	397	0.11%	0.070%
15	5.888	5.875	5.930	VV	37	740	0.20%	0.131%
16	5.945	5.930	5.955	VV	37	351	0.10%	0.062%
17	5.968	5.955	5.989	VV	41	424	0.12%	0.075%
18	6.009	5.989	6.018	PV	20	240	0.07%	0.043%
19	6.025	6.018	6.036	VV	20	176	0.05%	0.031%
20	6.071	6.036	6.095	VV	30	839	0.23%	0.149%
21	6.104	6.095	6.114	VV	32	267	0.07%	0.047%
22	6.157	6.114	6.167	VV	39	877	0.24%	0.156%
23	6.177	6.167	6.185	VV	36	256	0.07%	0.045%
24	6.197	6.185	6.206	VV	31	318	0.09%	0.056%
25	6.215	6.206	6.265	VV	40	775	0.21%	0.137%
26	6.278	6.265	6.292	VV	27	320	0.09%	0.057%
27	6.320	6.292	6.340	VV	33	627	0.17%	0.111%
28	6.364	6.340	6.384	VV	29	592	0.16%	0.105%
29	6.430	6.384	6.458	VV	41	1231	0.34%	0.218%
30	6.469	6.458	6.491	VV	34	409	0.11%	0.073%
31	6.521	6.491	6.541	VV	31	575	0.16%	0.102%
32	6.574	6.541	6.591	VV	25	485	0.13%	0.086%
33	6.602	6.591	6.619	VV	25	269	0.07%	0.048%
34	6.627	6.619	6.636	VV	13	107	0.03%	0.019%
35	6.643	6.636	6.664	VV	22	244	0.07%	0.043%
36	6.672	6.664	6.687	VV	24	149	0.04%	0.026%

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37	6.701	6.687	6.707	VV	35	280	0.08%	0.050%
38	6.715	6.707	6.728	VV	49	316	0.09%	0.056%
39	6.743	6.728	6.752	VV	25	303	0.08%	0.054%
40	6.778	6.752	6.834	VV	51	1708	0.47%	0.303%
41	6.901	6.860	6.916	PV	34	540	0.15%	0.096%
42	6.927	6.916	6.944	VV	29	369	0.10%	0.066%
43	6.970	6.944	6.981	VV	23	436	0.12%	0.077%
44	7.045	6.981	7.064	VV	46	1593	0.43%	0.283%
45	7.072	7.064	7.084	VV	49	457	0.12%	0.081%
46	7.098	7.084	7.139	VV	48	1105	0.30%	0.196%
47	7.157	7.139	7.184	VV	37	611	0.17%	0.108%
48	7.193	7.184	7.198	VV	20	134	0.04%	0.024%
49	7.209	7.198	7.219	VV	41	337	0.09%	0.060%
50	7.236	7.219	7.248	VV	35	365	0.10%	0.065%
51	7.259	7.248	7.274	VV	27	229	0.06%	0.041%
52	7.295	7.274	7.304	PV	22	253	0.07%	0.045%
53	7.316	7.304	7.334	VV	33	393	0.11%	0.070%
54	7.360	7.334	7.372	VV	42	717	0.20%	0.127%
55	7.395	7.372	7.412	VV	33	686	0.19%	0.122%
56	7.428	7.412	7.444	VV	31	446	0.12%	0.079%
57	7.472	7.444	7.490	VV	34	583	0.16%	0.103%
58	7.496	7.490	7.505	VV	26	206	0.06%	0.037%
59	7.525	7.505	7.547	VV	45	527	0.14%	0.093%
60	7.557	7.547	7.563	VV	21	141	0.04%	0.025%
61	7.569	7.563	7.577	VV	22	131	0.04%	0.023%
62	7.588	7.577	7.598	VV	24	205	0.06%	0.036%
63	7.619	7.598	7.632	VV	25	381	0.10%	0.067%
64	7.653	7.632	7.663	VV	45	544	0.15%	0.096%
65	7.696	7.663	7.712	VV	44	864	0.24%	0.153%
66	7.732	7.712	7.746	VV	30	497	0.14%	0.088%
67	7.782	7.746	7.801	VV	33	854	0.23%	0.151%
68	7.808	7.801	7.826	VV	27	325	0.09%	0.058%
69	7.871	7.826	7.881	VV	60	1378	0.38%	0.244%
70	7.895	7.881	7.966	VV	63	2000	0.55%	0.355%
71	7.971	7.966	7.983	VV	30	236	0.06%	0.042%
72	7.999	7.983	8.007	VV	35	295	0.08%	0.052%
73	8.023	8.007	8.050	VV	38	537	0.15%	0.095%
74	8.064	8.050	8.086	VV	32	454	0.12%	0.080%
75	8.099	8.086	8.128	VV	44	584	0.16%	0.104%
76	8.153	8.128	8.169	VV	32	587	0.16%	0.104%
77	8.219	8.169	8.244	VV	40	1078	0.29%	0.191%
78	8.291	8.244	8.314	VV	34	921	0.25%	0.163%
79	8.353	8.314	8.373	VV	32	803	0.22%	0.142%
80	8.383	8.373	8.395	VV	23	223	0.06%	0.040%
81	8.409	8.395	8.445	VV	35	746	0.20%	0.132%
82	8.462	8.445	8.501	VV	37	709	0.19%	0.126%
83	8.514	8.501	8.522	VV	23	205	0.06%	0.036%
84	8.537	8.522	8.551	VV	34	386	0.11%	0.068%
85	8.560	8.551	8.576	VV	15	153	0.04%	0.027%
86	8.586	8.576	8.601	VV	15	162	0.04%	0.029%
87	8.616	8.601	8.635	VV	25	325	0.09%	0.058%
88	8.791	8.635	8.996	PV	6258	366278	100.00%	64.952%
89	9.007	8.996	9.038	VV	91	1897	0.52%	0.336%

90	9.049	9.038	9.058	VV	62	664	0.18%	0.118%
91	9.063	9.058	9.091	VV	52	875	0.24%	0.155%
92	9.098	9.091	9.110	VV	49	504	0.14%	0.089%
93	9.122	9.110	9.137	VV	46	628	0.17%	0.111%
94	9.146	9.137	9.154	VV	53	412	0.11%	0.073%
95	9.167	9.154	9.185	VV	53	651	0.18%	0.115%
96	9.198	9.185	9.228	VV	33	618	0.17%	0.110%
97	9.268	9.228	9.278	VV	24	487	0.13%	0.086%
98	9.301	9.278	9.327	VV	28	403	0.11%	0.071%
99	9.336	9.327	9.343	PV	17	120	0.03%	0.021%
100	9.379	9.343	9.390	VV	29	600	0.16%	0.106%
101	9.400	9.390	9.414	VV	27	316	0.09%	0.056%
102	9.422	9.414	9.442	VV	29	372	0.10%	0.066%
103	9.452	9.442	9.478	VV	32	509	0.14%	0.090%
104	9.489	9.478	9.512	VV	27	376	0.10%	0.067%
105	9.526	9.512	9.584	VB	17	320	0.09%	0.057%
106	9.628	9.586	9.656	BV	17	347	0.09%	0.061%
107	9.668	9.656	9.681	VV	25	215	0.06%	0.038%
108	9.706	9.681	9.714	VV	24	318	0.09%	0.056%
109	9.722	9.714	9.745	VV	28	294	0.08%	0.052%
110	9.753	9.745	9.762	VV	22	182	0.05%	0.032%
111	9.775	9.762	9.783	VV	26	262	0.07%	0.046%
112	9.806	9.783	9.823	VV	38	561	0.15%	0.099%
113	9.833	9.823	9.847	VV	30	295	0.08%	0.052%
114	9.860	9.847	9.870	VV	25	201	0.05%	0.036%
115	9.879	9.870	9.894	VV	28	265	0.07%	0.047%
116	9.903	9.894	9.937	VV	20	399	0.11%	0.071%
117	9.943	9.937	9.948	VV	22	118	0.03%	0.021%
118	9.960	9.948	9.970	VV	24	286	0.08%	0.051%
119	9.977	9.970	10.001	VV	31	349	0.10%	0.062%
120	10.019	10.001	10.031	VV	31	331	0.09%	0.059%
121	10.051	10.031	10.059	VV	17	197	0.05%	0.035%
122	10.076	10.059	10.110	VV	17	378	0.10%	0.067%
123	10.124	10.110	10.141	VV	26	254	0.07%	0.045%
124	10.195	10.141	10.212	PV	27	753	0.21%	0.133%
125	10.217	10.212	10.229	VV	27	192	0.05%	0.034%
126	10.250	10.229	10.262	VV	36	469	0.13%	0.083%
127	10.270	10.262	10.284	VV	27	295	0.08%	0.052%
128	10.296	10.284	10.307	VV	44	447	0.12%	0.079%
129	10.317	10.307	10.327	VV	41	421	0.12%	0.075%
130	10.335	10.327	10.343	VV	37	290	0.08%	0.052%
131	10.370	10.343	10.399	VV	55	1237	0.34%	0.219%
132	10.409	10.399	10.429	VV	44	685	0.19%	0.121%
133	10.438	10.429	10.449	VV	31	307	0.08%	0.054%
134	10.483	10.449	10.494	VV	41	734	0.20%	0.130%
135	10.510	10.494	10.536	VV	34	612	0.17%	0.108%
136	10.615	10.536	10.713	VV	153	8402	2.29%	1.490%
137	10.721	10.713	10.738	VV	29	369	0.10%	0.065%
138	10.748	10.738	10.766	VV	38	510	0.14%	0.090%
139	10.779	10.766	10.791	VV	48	526	0.14%	0.093%
140	10.804	10.791	10.827	VV	36	612	0.17%	0.108%
141	10.838	10.827	10.878	VV	32	699	0.19%	0.124%

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142	10.887	10.878	10.934	VV	36	685	0.19%	0.122%
143	10.942	10.934	10.972	VV	31	436	0.12%	0.077%
144	10.981	10.972	10.994	VV	20	188	0.05%	0.033%
145	11.006	10.994	11.067	VV	31	731	0.20%	0.130%
146	11.083	11.067	11.092	VV	21	255	0.07%	0.045%
147	11.109	11.092	11.137	VV	22	484	0.13%	0.086%
148	11.149	11.137	11.204	VV	21	742	0.20%	0.132%
149	11.225	11.204	11.285	VV	29	976	0.27%	0.173%
150	11.305	11.285	11.315	PV	35	391	0.11%	0.069%
151	11.326	11.315	11.335	VV	27	254	0.07%	0.045%
152	11.345	11.335	11.364	VV	30	315	0.09%	0.056%
153	11.393	11.364	11.404	VV	25	424	0.12%	0.075%
154	11.412	11.404	11.435	VV	28	364	0.10%	0.064%
155	11.445	11.435	11.453	VV	29	258	0.07%	0.046%
156	11.467	11.453	11.475	VV	37	355	0.10%	0.063%
157	11.518	11.475	11.527	VV	48	1013	0.28%	0.180%
158	11.532	11.527	11.543	VV	38	290	0.08%	0.051%
159	11.570	11.543	11.594	VV	41	868	0.24%	0.154%
160	11.612	11.594	11.671	VV	44	1476	0.40%	0.262%
161	11.679	11.671	11.695	VV	32	417	0.11%	0.074%
162	11.708	11.695	11.721	VV	53	515	0.14%	0.091%
163	11.762	11.721	11.783	VV	49	1324	0.36%	0.235%
164	11.792	11.783	11.830	VV	38	752	0.21%	0.133%
165	11.873	11.830	11.884	VV	54	1155	0.32%	0.205%
166	11.893	11.884	11.914	VV	44	656	0.18%	0.116%
167	11.924	11.914	11.946	VV	44	619	0.17%	0.110%
168	11.955	11.946	11.969	VV	25	221	0.06%	0.039%
169	11.979	11.969	11.988	VV	26	241	0.07%	0.043%
170	11.999	11.988	12.008	VV	22	231	0.06%	0.041%
171	12.034	12.008	12.071	VV	29	885	0.24%	0.157%
172	12.078	12.071	12.086	VV	30	199	0.05%	0.035%
173	12.095	12.086	12.108	VV	32	346	0.09%	0.061%
174	12.122	12.108	12.148	VV	22	424	0.12%	0.075%
175	12.200	12.148	12.210	VV	24	538	0.15%	0.095%
176	12.226	12.210	12.245	VV	35	433	0.12%	0.077%
177	12.264	12.245	12.273	VV	27	343	0.09%	0.061%
178	12.280	12.273	12.304	VV	24	348	0.09%	0.062%
179	12.313	12.304	12.321	VV	20	127	0.03%	0.023%
180	12.340	12.321	12.348	VV	30	271	0.07%	0.048%
181	12.363	12.348	12.372	VV	13	166	0.05%	0.029%
182	12.385	12.372	12.395	VV	24	280	0.08%	0.050%
183	12.414	12.395	12.423	VV	22	318	0.09%	0.056%
184	12.449	12.423	12.458	VV	29	374	0.10%	0.066%
185	12.468	12.458	12.482	VV	27	252	0.07%	0.045%
186	12.508	12.482	12.548	VV	28	686	0.19%	0.122%
187	12.569	12.548	12.579	VV	25	326	0.09%	0.058%
188	12.589	12.579	12.597	VV	30	205	0.06%	0.036%
189	12.607	12.597	12.617	VV	25	189	0.05%	0.034%
190	12.631	12.617	12.651	VV	18	263	0.07%	0.047%
191	12.669	12.651	12.683	VV	28	390	0.11%	0.069%
192	12.700	12.683	12.716	VV	41	570	0.16%	0.101%
193	12.725	12.716	12.733	VV	34	273	0.07%	0.048%
194	12.741	12.733	12.763	VV	36	495	0.14%	0.088%

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195	12.771	12.763	12.793	VV	31	400	0.11%	0.071%
196	12.802	12.793	12.815	VV	27	274	0.07%	0.049%
197	12.828	12.815	12.837	VV	29	308	0.08%	0.055%
198	12.849	12.837	12.879	VV	27	492	0.13%	0.087%
199	12.896	12.879	12.923	VV	30	490	0.13%	0.087%
200	12.948	12.923	12.982	VV	32	805	0.22%	0.143%
201	13.011	12.982	13.018	VV	45	665	0.18%	0.118%
202	13.059	13.018	13.111	VV	81	3241	0.88%	0.575%
203	13.125	13.111	13.139	VV	66	824	0.22%	0.146%
204	13.180	13.139	13.188	VV	144	3038	0.83%	0.539%
205	13.193	13.188	13.288	VV	141	4240	1.16%	0.752%
206	13.327	13.288	13.339	VV	36	748	0.20%	0.133%
207	13.388	13.339	13.398	VV	38	717	0.20%	0.127%
208	13.409	13.398	13.427	VV	39	335	0.09%	0.059%
209	13.447	13.427	13.454	PV	25	247	0.07%	0.044%
210	13.463	13.454	13.479	VV	41	372	0.10%	0.066%
211	13.503	13.479	13.510	VV	28	410	0.11%	0.073%
212	13.519	13.510	13.544	VV	35	536	0.15%	0.095%
213	13.566	13.544	13.582	VV	32	586	0.16%	0.104%
214	13.591	13.582	13.600	VV	30	255	0.07%	0.045%
215	13.621	13.600	13.630	VV	26	381	0.10%	0.068%
216	13.638	13.630	13.655	VV	22	255	0.07%	0.045%
217	13.677	13.655	13.687	VV	24	253	0.07%	0.045%
218	13.710	13.687	13.732	VV	27	477	0.13%	0.085%
219	13.785	13.732	13.797	VV	31	836	0.23%	0.148%
220	13.821	13.797	13.835	VV	28	562	0.15%	0.100%
221	13.851	13.835	13.859	VV	47	466	0.13%	0.083%
222	13.913	13.859	13.960	VV	142	6313	1.72%	1.119%
223	13.968	13.960	13.979	VV	74	852	0.23%	0.151%
224	13.989	13.979	14.001	VV	79	907	0.25%	0.161%
225	14.110	14.001	14.265	VV	263	22522	6.15%	3.994%
226	14.339	14.265	14.457	VV	216	12534	3.42%	2.223%
227	14.467	14.457	14.482	VV	22	255	0.07%	0.045%
228	14.487	14.482	14.497	VV	28	146	0.04%	0.026%
229	14.513	14.497	14.538	VV	21	362	0.10%	0.064%
230	14.581	14.538	14.618	VV	23	561	0.15%	0.100%
231	14.644	14.618	14.655	PV	32	310	0.08%	0.055%
232	14.664	14.655	14.694	VV	19	296	0.08%	0.052%
233	14.704	14.694	14.716	VV	14	147	0.04%	0.026%
234	14.732	14.716	14.740	VV	17	163	0.04%	0.029%
235	14.771	14.740	14.779	VV	30	378	0.10%	0.067%
236	14.789	14.779	14.810	VV	31	380	0.10%	0.067%
237	14.821	14.810	14.842	VV	23	395	0.11%	0.070%
238	14.856	14.842	14.865	VV	39	434	0.12%	0.077%
239	14.908	14.865	14.917	VV	61	1504	0.41%	0.267%
240	14.922	14.917	14.947	VV	56	801	0.22%	0.142%
241	14.963	14.947	15.016	VV	34	956	0.26%	0.169%
242	15.034	15.016	15.078	VV	32	922	0.25%	0.164%
243	15.089	15.078	15.104	VV	27	327	0.09%	0.058%
244	15.134	15.104	15.147	VV	37	579	0.16%	0.103%
245	15.167	15.147	15.178	VV	26	360	0.10%	0.064%
246	15.211	15.178	15.229	VV	28	629	0.17%	0.112%

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247	15.249	15.229	15.270	VV	30	512	0.14%	0.091%
248	15.301	15.270	15.314	VV	36	588	0.16%	0.104%
249	15.340	15.314	15.348	VV	33	562	0.15%	0.100%
250	15.370	15.348	15.379	VV	51	726	0.20%	0.129%
251	15.406	15.379	15.425	VV	50	1190	0.32%	0.211%
252	15.433	15.425	15.451	VV	52	521	0.14%	0.092%
253	15.495	15.451	15.529	VV	52	1516	0.41%	0.269%
254	15.550	15.529	15.564	VV	40	667	0.18%	0.118%
255	15.590	15.564	15.599	VV	30	448	0.12%	0.079%
256	15.616	15.599	15.636	VV	37	545	0.15%	0.097%
257	15.648	15.636	15.686	VV	26	489	0.13%	0.087%
258	15.694	15.686	15.712	PV	21	188	0.05%	0.033%
259	15.739	15.712	15.753	VV	25	322	0.09%	0.057%
260	15.766	15.753	15.782	VV	21	266	0.07%	0.047%
261	15.791	15.782	15.813	VV	27	319	0.09%	0.057%
262	15.835	15.813	15.890	VV	27	770	0.21%	0.137%
263	15.897	15.890	15.912	VV	27	184	0.05%	0.033%
264	15.944	15.912	15.967	PV	31	535	0.15%	0.095%
265	15.985	15.967	16.002	VV	25	416	0.11%	0.074%
266	16.040	16.002	16.079	VV	29	950	0.26%	0.168%
267	16.089	16.079	16.105	VV	22	263	0.07%	0.047%
268	16.194	16.105	16.278	VV	221	10251	2.80%	1.818%
269	16.286	16.278	16.315	VV	25	366	0.10%	0.065%
270	16.357	16.315	16.380	PV	16	320	0.09%	0.057%

Sum of corrected areas: 563922

FB011525.M Tue Feb 04 00:49:40 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:	01/29/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-42.1-012925	SDG No.:	Q1232
Lab Sample ID:	Q1232-09	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	88.6 Decanted:
Sample Wt/Vol:	10.94 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
FB031444.D	1	02/03/25 13:47	FB020325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	23.0	U	4.00	23.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	15.4		50 - 150	77%	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\FB020325\
Data File : FB031444.D
Signal(s) : FID2B.CH
Acq On : 3 Feb 2025 13:47
Operator : YP/AJ
Sample : Q1232-09
Misc : 10.94G/5.00 ML DI WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
JPP-42.1-012925

Integration File: Calibration.e
Quant Time: Feb 04 00:19:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
System Monitoring Compounds				
5) s	AAA-TFT	8.792	366282	15.356 ng/ml
Target Compounds				

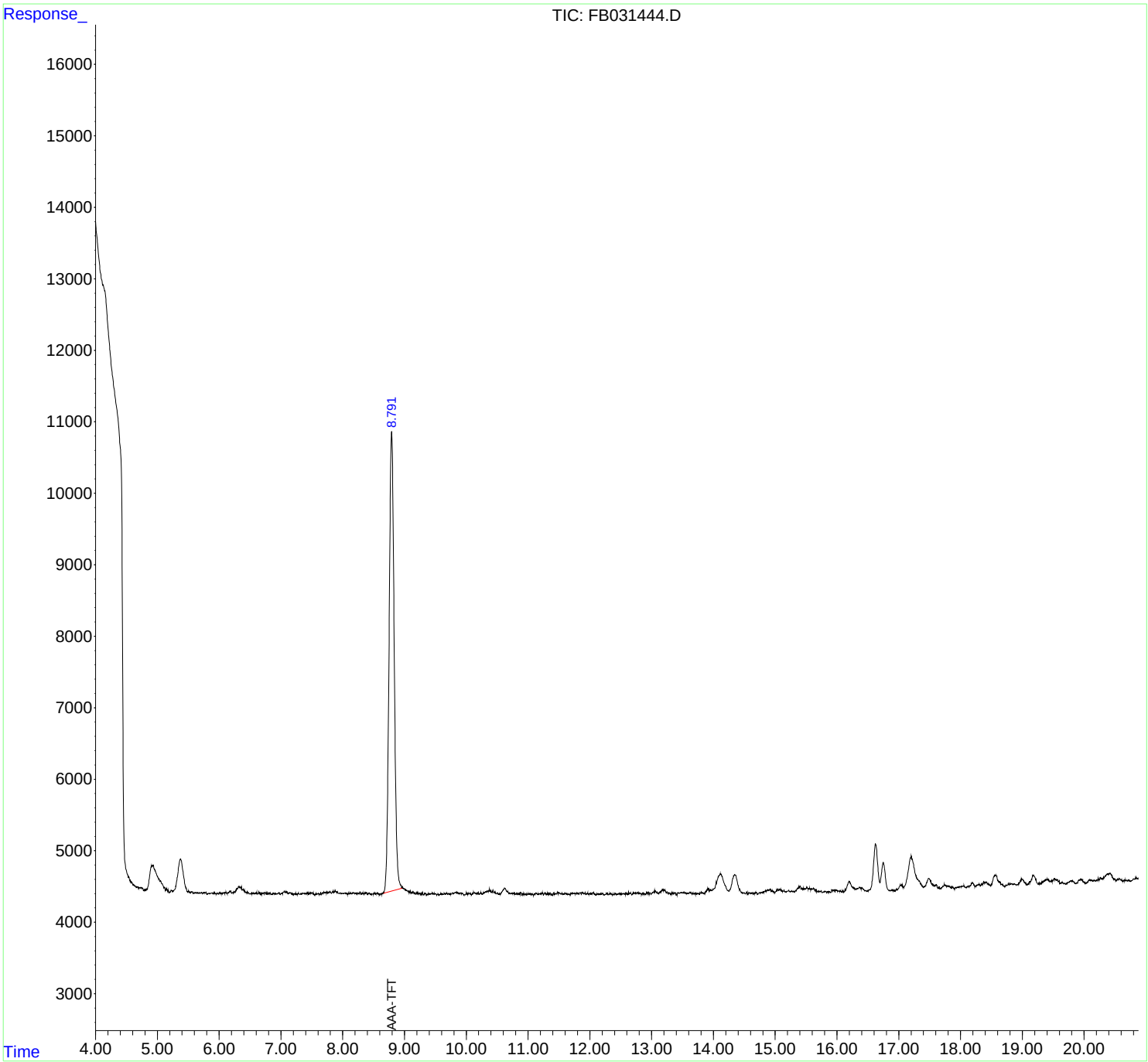
(f)=RT Delta > 1/2 Window (m)=manual int.

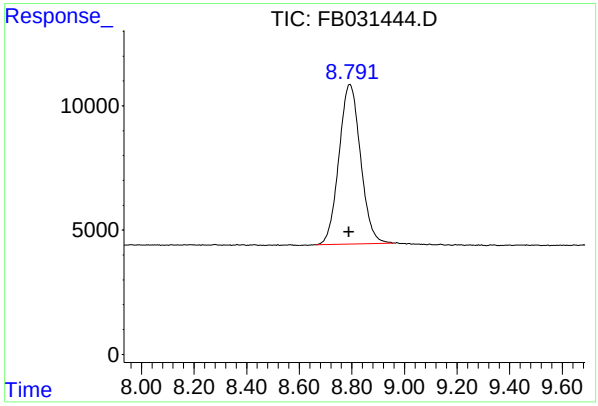
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB020325\
Data File : FB031444.D
Signal(s) : FID2B.CH
Acq On : 3 Feb 2025 13:47
Operator : YP/AJ
Sample : Q1232-09
Misc : 10.94G/5.00 ML DI WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
JPP-42.1-012925

Integration File: Calibration.e
Quant Time: Feb 04 00:19:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#5 AAA-TFT

R.T.: 8.792 min
Delta R.T.: 0.003 mi
Response: 366282
Conc: 15.36 ng/m

Instrument :
FID_B
ClientSampleId :
JPP-42.1-012925

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB020325\
Data File : FB031444.D
Signal(s) : FID2B.CH
Acq On : 3 Feb 2025 13:47
Sample : Q1232-09
Misc : 10.94G/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	4.804	4.749	4.812	BV	16	-94	-0.02%	-0.015%
2	5.054	5.047	5.131	VV	155	5027	1.33%	0.826%
3	5.139	5.131	5.172	VV	47	889	0.23%	0.146%
4	5.180	5.172	5.193	VV	32	209	0.06%	0.034%
5	5.226	5.193	5.244	PV	39	643	0.17%	0.106%
6	5.253	5.244	5.261	VV	28	272	0.07%	0.045%
7	5.510	5.494	5.536	VV	37	612	0.16%	0.101%
8	5.560	5.536	5.589	VV	32	543	0.14%	0.089%
9	5.617	5.589	5.629	VV	19	306	0.08%	0.050%
10	5.644	5.629	5.654	VV	23	225	0.06%	0.037%
11	5.659	5.654	5.667	VV	13	77	0.02%	0.013%
12	5.678	5.667	5.688	VV	21	183	0.05%	0.030%
13	5.714	5.688	5.729	VV	27	388	0.10%	0.064%
14	5.741	5.729	5.754	VV	23	255	0.07%	0.042%
15	5.764	5.754	5.775	VV	30	275	0.07%	0.045%
16	5.789	5.775	5.803	VV	30	267	0.07%	0.044%
17	5.887	5.803	5.899	PV	21	734	0.19%	0.121%
18	5.925	5.899	5.940	VV	27	386	0.10%	0.063%
19	5.948	5.940	5.955	VV	12	85	0.02%	0.014%
20	5.960	5.955	5.966	VV	13	63	0.02%	0.010%
21	6.006	5.966	6.065	VV	23	848	0.22%	0.139%
22	6.080	6.065	6.091	VV	26	304	0.08%	0.050%
23	6.105	6.091	6.131	VV	29	523	0.14%	0.086%
24	6.175	6.131	6.207	VV	50	1481	0.39%	0.243%
25	6.218	6.207	6.227	VV	27	305	0.08%	0.050%
26	6.244	6.227	6.253	VV	44	517	0.14%	0.085%
27	6.322	6.253	6.375	VV	113	5900	1.56%	0.969%
28	6.383	6.375	6.391	VV	69	627	0.17%	0.103%
29	6.396	6.391	6.503	VV	72	2215	0.59%	0.364%
30	6.536	6.503	6.544	VV	26	389	0.10%	0.064%
31	6.557	6.544	6.600	VV	27	566	0.15%	0.093%
32	6.609	6.600	6.619	VV	30	212	0.06%	0.035%
33	6.641	6.619	6.650	VV	38	336	0.09%	0.055%
34	6.660	6.650	6.678	VV	35	254	0.07%	0.042%
35	6.707	6.678	6.727	VV	23	503	0.13%	0.083%
36	6.745	6.727	6.764	VV	30	451	0.12%	0.074%

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37	6.770	6.764	6.778	VV	23	138	0.04%	0.023%
38	6.782	6.778	6.793	VV	27	148	0.04%	0.024%
39	6.825	6.815	6.840	VV	30	245	0.06%	0.040%
40	6.849	6.840	6.856	VV	10	55	0.01%	0.009%
41	6.892	6.856	6.909	VV	15	412	0.11%	0.068%
42	6.957	6.909	6.964	VV	25	515	0.14%	0.085%
43	6.974	6.964	6.992	VV	31	299	0.08%	0.049%
44	7.013	6.992	7.025	VV	23	348	0.09%	0.057%
45	7.056	7.025	7.092	VV	51	1455	0.38%	0.239%
46	7.101	7.092	7.114	VV	46	447	0.12%	0.073%
47	7.150	7.114	7.169	VV	32	756	0.20%	0.124%
48	7.181	7.169	7.191	VV	28	204	0.05%	0.034%
49	7.195	7.191	7.202	VB	15	51	0.01%	0.008%
50	7.282	7.265	7.307	BV	21	330	0.09%	0.054%
51	7.325	7.307	7.334	VV	23	200	0.05%	0.033%
52	7.353	7.334	7.364	VV	28	332	0.09%	0.055%
53	7.392	7.364	7.401	VV	25	434	0.11%	0.071%
54	7.429	7.401	7.449	VV	34	615	0.16%	0.101%
55	7.488	7.449	7.504	VV	32	779	0.21%	0.128%
56	7.509	7.504	7.547	VV	31	416	0.11%	0.068%
57	7.557	7.547	7.565	PV	13	83	0.02%	0.014%
58	7.572	7.565	7.582	VV	20	122	0.03%	0.020%
59	7.606	7.582	7.623	VV	25	354	0.09%	0.058%
60	7.644	7.623	7.653	VV	36	286	0.08%	0.047%
61	7.669	7.653	7.678	VV	31	316	0.08%	0.052%
62	7.737	7.678	7.762	VV	44	1654	0.44%	0.272%
63	7.788	7.762	7.816	VV	46	1158	0.31%	0.190%
64	7.838	7.816	7.852	VV	52	794	0.21%	0.131%
65	7.881	7.852	7.907	VV	62	1520	0.40%	0.250%
66	7.915	7.907	7.944	VV	51	709	0.19%	0.116%
67	7.962	7.944	7.977	VV	32	496	0.13%	0.081%
68	7.990	7.977	8.014	VV	27	496	0.13%	0.082%
69	8.041	8.014	8.076	VV	29	857	0.23%	0.141%
70	8.097	8.076	8.105	VV	23	298	0.08%	0.049%
71	8.116	8.105	8.127	VV	29	296	0.08%	0.049%
72	8.138	8.127	8.153	VV	28	306	0.08%	0.050%
73	8.165	8.153	8.173	VV	35	328	0.09%	0.054%
74	8.181	8.173	8.251	VV	30	1140	0.30%	0.187%
75	8.281	8.251	8.308	VV	47	880	0.23%	0.145%
76	8.317	8.308	8.326	VV	25	240	0.06%	0.039%
77	8.335	8.326	8.345	VV	25	220	0.06%	0.036%
78	8.365	8.345	8.374	VV	40	431	0.11%	0.071%
79	8.388	8.374	8.400	VV	37	414	0.11%	0.068%
80	8.432	8.400	8.469	VV	30	737	0.19%	0.121%
81	8.519	8.469	8.534	VV	34	704	0.19%	0.116%
82	8.563	8.534	8.595	VV	35	779	0.21%	0.128%
83	8.623	8.595	8.634	VV	23	343	0.09%	0.056%
84	8.792	8.634	8.965	VV	6487	378350	100.00%	62.167%
85	8.972	8.965	9.009	VV	116	2455	0.65%	0.403%
86	9.018	9.009	9.069	VV	85	2314	0.61%	0.380%
87	9.076	9.069	9.087	VV	55	510	0.13%	0.084%
88	9.096	9.087	9.127	VV	63	1008	0.27%	0.166%
89	9.137	9.127	9.158	VV	56	741	0.20%	0.122%

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90	9.167	9.158	9.180	VV	39	357	0.09%	0.059%
91	9.196	9.180	9.211	VV	41	521	0.14%	0.086%
92	9.218	9.211	9.229	VV	36	259	0.07%	0.043%
93	9.250	9.229	9.258	VV	29	400	0.11%	0.066%
94	9.264	9.258	9.277	VV	25	201	0.05%	0.033%
95	9.294	9.277	9.312	VV	36	381	0.10%	0.063%
96	9.328	9.312	9.356	VV	31	485	0.13%	0.080%
97	9.400	9.356	9.411	VV	27	492	0.13%	0.081%
98	9.431	9.411	9.439	VV	26	339	0.09%	0.056%
99	9.447	9.439	9.461	VV	26	292	0.08%	0.048%
100	9.467	9.461	9.479	VV	32	252	0.07%	0.041%
101	9.488	9.479	9.522	VV	24	471	0.12%	0.077%
102	9.545	9.522	9.555	VV	25	256	0.07%	0.042%
103	9.608	9.555	9.634	VV	27	675	0.18%	0.111%
104	9.645	9.634	9.661	VV	28	330	0.09%	0.054%
105	9.684	9.661	9.698	VV	30	539	0.14%	0.089%
106	9.716	9.698	9.729	VV	27	338	0.09%	0.056%
107	9.748	9.729	9.761	VV	24	326	0.09%	0.054%
108	9.776	9.761	9.793	VV	35	544	0.14%	0.089%
109	9.825	9.793	9.839	VV	43	1001	0.26%	0.164%
110	9.847	9.839	9.857	VV	52	420	0.11%	0.069%
111	9.864	9.857	9.874	VV	45	333	0.09%	0.055%
112	9.911	9.874	9.921	VV	33	814	0.22%	0.134%
113	9.940	9.921	9.964	VV	30	543	0.14%	0.089%
114	10.004	9.964	10.018	VV	38	574	0.15%	0.094%
115	10.032	10.018	10.085	VV	31	888	0.23%	0.146%
116	10.121	10.085	10.165	VV	48	1326	0.35%	0.218%
117	10.193	10.165	10.207	VV	48	699	0.18%	0.115%
118	10.234	10.207	10.258	VV	42	828	0.22%	0.136%
119	10.338	10.258	10.354	VV	66	2481	0.66%	0.408%
120	10.374	10.354	10.418	VV	87	2321	0.61%	0.381%
121	10.432	10.418	10.454	VV	73	1102	0.29%	0.181%
122	10.463	10.454	10.485	VV	48	679	0.18%	0.112%
123	10.504	10.485	10.530	VV	39	719	0.19%	0.118%
124	10.539	10.530	10.547	VV	26	205	0.05%	0.034%
125	10.623	10.547	10.694	VV	105	5484	1.45%	0.901%
126	10.702	10.694	10.721	VV	33	479	0.13%	0.079%
127	10.770	10.721	10.792	VV	38	1237	0.33%	0.203%
128	10.800	10.792	10.807	VV	26	196	0.05%	0.032%
129	10.826	10.807	10.872	VV	35	962	0.25%	0.158%
130	10.883	10.872	10.898	VV	45	503	0.13%	0.083%
131	10.907	10.898	10.911	VV	21	132	0.03%	0.022%
132	10.917	10.911	10.925	VV	25	156	0.04%	0.026%
133	10.934	10.925	10.981	VV	33	580	0.15%	0.095%
134	10.994	10.981	11.008	VV	25	293	0.08%	0.048%
135	11.018	11.008	11.030	VV	32	314	0.08%	0.052%
136	11.039	11.030	11.050	VV	33	273	0.07%	0.045%
137	11.066	11.050	11.091	VV	29	382	0.10%	0.063%
138	11.104	11.091	11.111	PV	24	201	0.05%	0.033%
139	11.138	11.111	11.155	VV	35	681	0.18%	0.112%
140	11.192	11.155	11.200	VV	27	595	0.16%	0.098%
141	11.238	11.200	11.249	VV	39	758	0.20%	0.125%

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142	11.273	11.249	11.298	VV	43	735	0.19%	0.121%
143	11.331	11.298	11.343	VV	38	652	0.17%	0.107%
144	11.357	11.343	11.387	VV	37	488	0.13%	0.080%
145	11.393	11.387	11.399	VV	20	70	0.02%	0.011%
146	11.414	11.399	11.437	VV	39	545	0.14%	0.090%
147	11.449	11.437	11.462	VV	29	349	0.09%	0.057%
148	11.477	11.462	11.488	VV	50	529	0.14%	0.087%
149	11.499	11.488	11.532	VV	40	824	0.22%	0.135%
150	11.551	11.532	11.569	VV	35	530	0.14%	0.087%
151	11.576	11.569	11.583	VV	24	176	0.05%	0.029%
152	11.605	11.583	11.621	VV	35	613	0.16%	0.101%
153	11.630	11.621	11.642	VV	31	264	0.07%	0.043%
154	11.662	11.642	11.680	VV	23	358	0.09%	0.059%
155	11.706	11.680	11.746	VV	35	995	0.26%	0.163%
156	11.757	11.746	11.804	VV	34	968	0.26%	0.159%
157	11.813	11.804	11.823	VV	35	309	0.08%	0.051%
158	11.845	11.823	11.860	VV	42	720	0.19%	0.118%
159	11.879	11.860	11.903	VV	44	825	0.22%	0.136%
160	11.921	11.903	11.946	VV	36	644	0.17%	0.106%
161	11.966	11.946	11.993	VV	32	647	0.17%	0.106%
162	12.003	11.993	12.024	VV	29	438	0.12%	0.072%
163	12.031	12.024	12.038	VV	32	214	0.06%	0.035%
164	12.049	12.038	12.067	VV	36	567	0.15%	0.093%
165	12.072	12.067	12.120	VV	30	479	0.13%	0.079%
166	12.133	12.120	12.143	VV	24	251	0.07%	0.041%
167	12.153	12.143	12.166	VV	24	221	0.06%	0.036%
168	12.175	12.166	12.183	VV	28	174	0.05%	0.029%
169	12.208	12.183	12.238	VV	25	542	0.14%	0.089%
170	12.283	12.238	12.301	VV	37	699	0.18%	0.115%
171	12.345	12.301	12.361	VV	31	700	0.18%	0.115%
172	12.379	12.361	12.394	VV	16	245	0.06%	0.040%
173	12.407	12.394	12.434	VV	30	453	0.12%	0.074%
174	12.457	12.434	12.467	VV	20	302	0.08%	0.050%
175	12.485	12.467	12.495	VV	32	363	0.10%	0.060%
176	12.504	12.495	12.511	VV	23	178	0.05%	0.029%
177	12.520	12.511	12.536	VV	24	305	0.08%	0.050%
178	12.548	12.536	12.567	VV	30	403	0.11%	0.066%
179	12.589	12.567	12.609	VV	35	497	0.13%	0.082%
180	12.629	12.609	12.637	VV	37	301	0.08%	0.049%
181	12.657	12.637	12.682	VV	32	614	0.16%	0.101%
182	12.703	12.682	12.748	VV	40	1081	0.29%	0.178%
183	12.775	12.748	12.787	VV	42	691	0.18%	0.114%
184	12.798	12.787	12.838	VV	39	815	0.22%	0.134%
185	12.848	12.838	12.898	VV	28	743	0.20%	0.122%
186	12.923	12.898	12.938	VV	45	632	0.17%	0.104%
187	12.948	12.938	12.962	VV	44	411	0.11%	0.068%
188	12.975	12.962	12.992	VV	35	489	0.13%	0.080%
189	13.048	12.992	13.113	VV	62	2757	0.73%	0.453%
190	13.184	13.113	13.208	VV	85	3167	0.84%	0.520%
191	13.216	13.208	13.241	VV	74	1128	0.30%	0.185%
192	13.250	13.241	13.271	VV	46	588	0.16%	0.097%
193	13.281	13.271	13.311	VV	36	585	0.15%	0.096%
194	13.325	13.311	13.359	VV	33	595	0.16%	0.098%

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195	13.372	13.359	13.399	VV	37	562	0.15%	0.092%
196	13.427	13.399	13.454	PV	37	742	0.20%	0.122%
197	13.466	13.454	13.477	VV	36	436	0.12%	0.072%
198	13.490	13.477	13.511	VV	40	699	0.18%	0.115%
199	13.523	13.511	13.541	VV	41	604	0.16%	0.099%
200	13.548	13.541	13.586	VV	37	734	0.19%	0.121%
201	13.620	13.586	13.658	VV	41	1155	0.31%	0.190%
202	13.669	13.658	13.681	VV	31	286	0.08%	0.047%
203	13.689	13.681	13.708	VV	25	290	0.08%	0.048%
204	13.719	13.708	13.737	VV	30	344	0.09%	0.057%
205	13.748	13.737	13.772	VV	22	375	0.10%	0.062%
206	13.801	13.772	13.853	VV	38	1254	0.33%	0.206%
207	13.911	13.853	13.936	VV	92	2831	0.75%	0.465%
208	13.960	13.936	13.974	VV	77	1469	0.39%	0.241%
209	14.118	13.974	14.252	VV	292	26878	7.10%	4.416%
210	14.343	14.252	14.484	VV	281	19373	5.12%	3.183%
211	14.497	14.484	14.518	VV	28	433	0.11%	0.071%
212	14.538	14.518	14.552	VV	40	431	0.11%	0.071%
213	14.578	14.552	14.588	PV	30	402	0.11%	0.066%
214	14.599	14.588	14.607	VV	28	231	0.06%	0.038%
215	14.633	14.607	14.648	VV	29	417	0.11%	0.068%
216	14.657	14.648	14.673	VV	27	255	0.07%	0.042%
217	14.691	14.673	14.724	VV	30	548	0.14%	0.090%
218	14.780	14.724	14.798	VV	30	998	0.26%	0.164%
219	14.881	14.798	14.898	VV	67	2785	0.74%	0.458%
220	14.923	14.898	14.953	VV	72	1795	0.47%	0.295%
221	14.961	14.953	14.995	VV	48	916	0.24%	0.151%
222	15.045	14.995	15.055	VV	72	1723	0.46%	0.283%
223	15.075	15.055	15.092	VV	69	1323	0.35%	0.217%
224	15.100	15.092	15.123	VV	54	813	0.21%	0.134%
225	15.144	15.123	15.183	VV	56	1398	0.37%	0.230%
226	15.220	15.183	15.242	VV	49	1381	0.36%	0.227%
227	15.250	15.242	15.256	VV	38	283	0.07%	0.047%
228	15.267	15.256	15.307	VV	40	1031	0.27%	0.169%
229	15.406	15.307	15.421	VV	107	4612	1.22%	0.758%
230	15.441	15.421	15.449	VV	79	1184	0.31%	0.194%
231	15.455	15.449	15.494	VV	73	1827	0.48%	0.300%
232	15.513	15.494	15.577	VV	95	3595	0.95%	0.591%
233	15.589	15.577	15.603	VV	70	967	0.26%	0.159%
234	15.620	15.603	15.645	VV	76	1580	0.42%	0.260%
235	15.653	15.645	15.699	VV	59	1221	0.32%	0.201%
236	15.707	15.699	15.716	VV	34	275	0.07%	0.045%
237	15.745	15.716	15.763	VV	37	706	0.19%	0.116%
238	15.799	15.763	15.807	VV	30	526	0.14%	0.087%
239	15.817	15.807	15.833	VV	28	338	0.09%	0.056%
240	15.844	15.833	15.862	PV	28	310	0.08%	0.051%
241	15.880	15.862	15.904	VV	26	432	0.11%	0.071%
242	15.918	15.904	15.927	VV	44	466	0.12%	0.077%
243	15.934	15.927	15.952	VV	46	582	0.15%	0.096%
244	15.961	15.952	15.971	VV	40	392	0.10%	0.064%
245	15.980	15.971	15.991	VV	42	392	0.10%	0.064%
246	15.998	15.991	16.037	VV	38	813	0.21%	0.134%

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247	16.046	16.037	16.078	VV	26	484	0.13%	0.079%
248	16.092	16.078	16.103	VV	31	248	0.07%	0.041%
249	16.197	16.103	16.265	PV	141	6534	1.73%	1.074%
250	16.271	16.265	16.306	VV	37	532	0.14%	0.087%
251	16.320	16.306	16.327	VV	12	108	0.03%	0.018%
252	16.363	16.327	16.397	VV	28	513	0.14%	0.084%
			Sum of corrected areas:				608608	

FB011525.M Tue Feb 04 00:48:36 2025

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/29/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-42.2-012925	SDG No.:	Q1232
Lab Sample ID:	Q1232-13	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	92.1 Decanted:
Sample Wt/Vol:	11.46 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
FB031445.D	1	02/03/25 14:14	FB020325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	21.0	U	4.00	21.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	16.0		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\FB020325\
Data File : FB031445.D
Signal(s) : FID2B.CH
Acq On : 3 Feb 2025 14:14
Operator : YP/AJ
Sample : Q1232-13
Misc : 11.46G/5.00 ML DI WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
JPP-42.2-012925

Integration File: Calibration.e
Quant Time: Feb 04 00:19:20 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	382609	16.040	ng/ml
	Target Compounds				

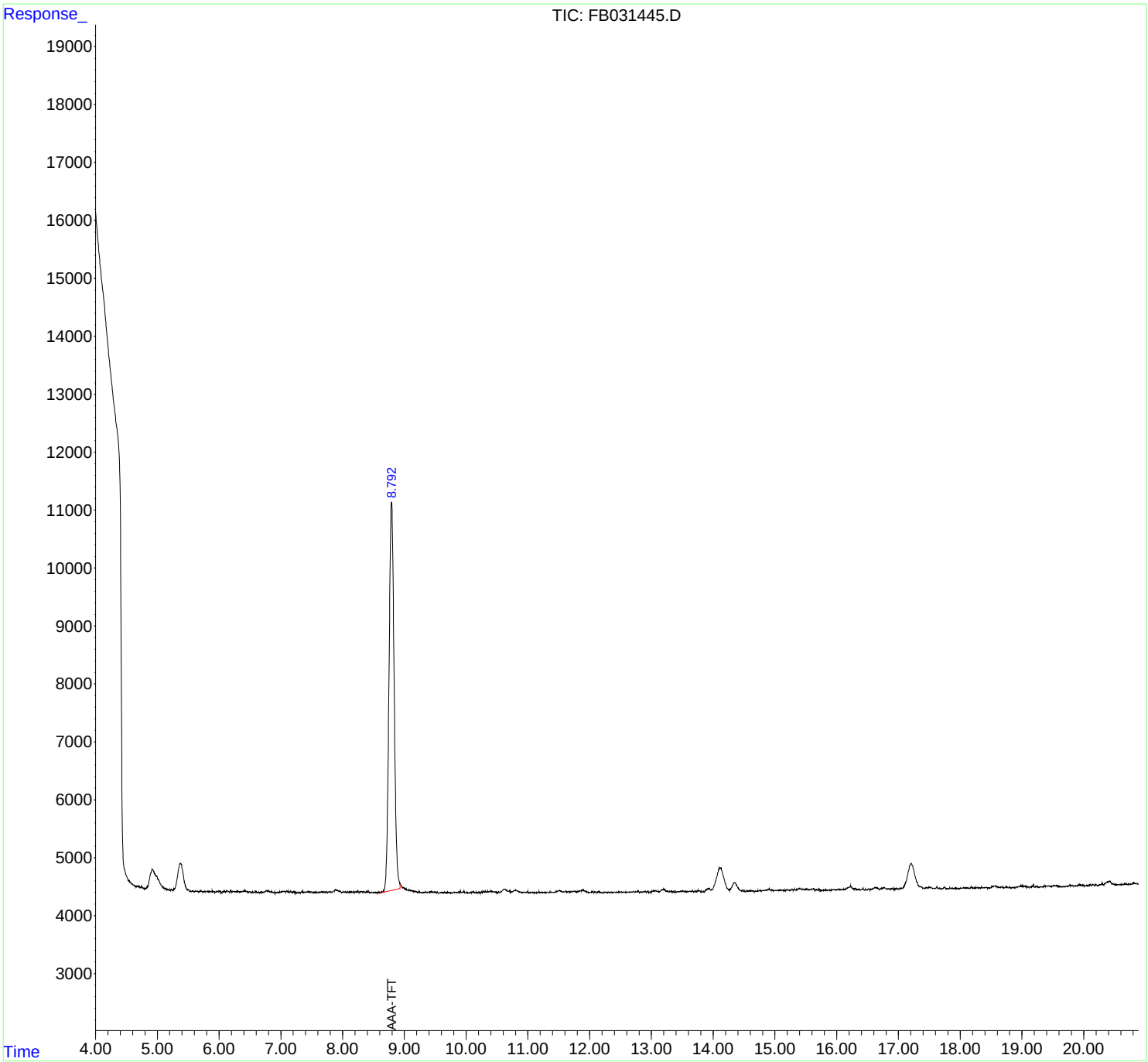
(f)=RT Delta > 1/2 Window (m)=manual int.

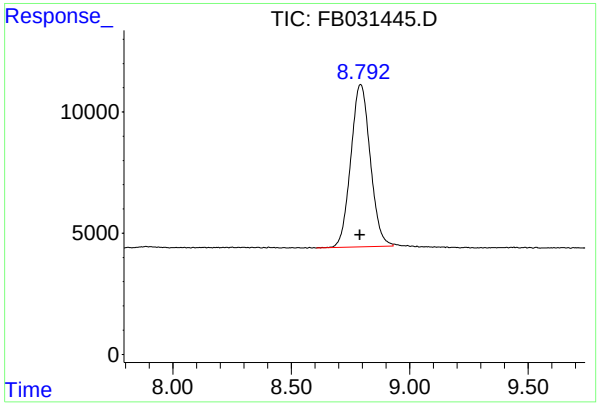
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB020325\
Data File : FB031445.D
Signal(s) : FID2B.CH
Acq On : 3 Feb 2025 14:14
Operator : YP/AJ
Sample : Q1232-13
Misc : 11.46G/5.00 ML DI WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
JPP-42.2-012925

Integration File: Calibration.e
Quant Time: Feb 04 00:19:20 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: 382609
Conc: 16.04 ng/m

Instrument :
FID_B
ClientSampleId :
JPP-42.2-012925

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB020325\
Data File : FB031445.D
Signal(s) : FID2B.CH
Acq On : 3 Feb 2025 14:14
Sample : Q1232-13
Misc : 11.46G/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	4.596	4.554	4.649	BV	3	17	0.00%	0.003%
2	4.659	4.649	4.668	PV	23	127	0.03%	0.021%
3	4.683	4.668	4.699	PV	34	364	0.09%	0.060%
4	4.707	4.699	4.729	VV	33	337	0.09%	0.056%
5	4.741	4.729	4.790	VV	44	821	0.21%	0.135%
6	5.090	5.081	5.155	VV	65	1806	0.46%	0.298%
7	5.163	5.155	5.191	VV	28	372	0.09%	0.061%
8	5.196	5.191	5.213	VV	19	123	0.03%	0.020%
9	5.224	5.213	5.244	VV	30	341	0.09%	0.056%
10	5.490	5.480	5.498	VV	40	366	0.09%	0.060%
11	5.507	5.498	5.531	VV	40	431	0.11%	0.071%
12	5.574	5.531	5.609	VV	30	586	0.15%	0.097%
13	5.617	5.609	5.630	VV	19	209	0.05%	0.034%
14	5.647	5.630	5.667	VV	25	378	0.10%	0.062%
15	5.677	5.667	5.686	PV	21	146	0.04%	0.024%
16	5.711	5.686	5.734	VV	30	534	0.13%	0.088%
17	5.768	5.734	5.775	VV	24	397	0.10%	0.065%
18	5.783	5.775	5.809	VV	22	351	0.09%	0.058%
19	5.822	5.809	5.831	VV	30	243	0.06%	0.040%
20	5.842	5.831	5.861	VV	25	342	0.09%	0.056%
21	5.871	5.861	5.884	VV	24	254	0.06%	0.042%
22	5.890	5.884	5.959	VV	36	726	0.18%	0.120%
23	6.015	5.959	6.048	VV	34	1068	0.27%	0.176%
24	6.062	6.048	6.076	VV	28	305	0.08%	0.050%
25	6.090	6.076	6.112	VV	32	458	0.12%	0.076%
26	6.127	6.112	6.146	VV	41	615	0.16%	0.101%
27	6.153	6.146	6.170	VV	32	341	0.09%	0.056%
28	6.184	6.170	6.213	VV	47	799	0.20%	0.132%
29	6.233	6.213	6.264	VV	33	817	0.21%	0.135%
30	6.273	6.264	6.288	VV	33	348	0.09%	0.057%
31	6.305	6.288	6.342	VV	40	926	0.23%	0.153%
32	6.373	6.342	6.396	VV	36	957	0.24%	0.158%
33	6.409	6.396	6.421	VV	50	629	0.16%	0.104%
34	6.424	6.421	6.477	VV	43	980	0.25%	0.161%
35	6.503	6.477	6.520	VV	34	628	0.16%	0.103%
36	6.549	6.520	6.572	VV	32	675	0.17%	0.111%

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37	6.589	6.572	6.598	VV	48	514	0.13%	0.085%
38	6.605	6.598	6.620	VV	39	358	0.09%	0.059%
39	6.646	6.620	6.669	VV	31	593	0.15%	0.098%
40	6.676	6.669	6.681	VV	32	165	0.04%	0.027%
41	6.692	6.681	6.708	VV	42	443	0.11%	0.073%
42	6.727	6.708	6.736	VV	31	416	0.11%	0.069%
43	6.773	6.736	6.794	VV	60	1597	0.40%	0.263%
44	6.842	6.824	6.878	VV	40	1030	0.26%	0.170%
45	6.899	6.878	6.909	VV	37	468	0.12%	0.077%
46	6.946	6.909	6.973	PV	34	968	0.24%	0.160%
47	7.049	6.973	7.058	VV	47	1885	0.48%	0.311%
48	7.069	7.058	7.080	VV	48	564	0.14%	0.093%
49	7.095	7.080	7.148	VV	55	1548	0.39%	0.255%
50	7.158	7.148	7.186	VV	49	779	0.20%	0.128%
51	7.194	7.186	7.202	VV	38	308	0.08%	0.051%
52	7.212	7.202	7.259	VV	50	951	0.24%	0.157%
53	7.275	7.259	7.293	VV	35	439	0.11%	0.072%
54	7.302	7.293	7.315	VV	30	314	0.08%	0.052%
55	7.332	7.315	7.340	VV	36	407	0.10%	0.067%
56	7.348	7.340	7.365	VV	47	509	0.13%	0.084%
57	7.397	7.365	7.408	VV	36	772	0.19%	0.127%
58	7.442	7.408	7.474	VV	48	1349	0.34%	0.222%
59	7.487	7.474	7.496	VV	37	430	0.11%	0.071%
60	7.505	7.496	7.530	VV	36	539	0.14%	0.089%
61	7.556	7.530	7.567	VV	42	533	0.13%	0.088%
62	7.603	7.567	7.626	VV	33	811	0.20%	0.134%
63	7.636	7.626	7.642	VV	36	286	0.07%	0.047%
64	7.660	7.642	7.727	VV	38	1629	0.41%	0.268%
65	7.741	7.727	7.758	VV	43	588	0.15%	0.097%
66	7.784	7.758	7.797	VV	40	724	0.18%	0.119%
67	7.810	7.797	7.831	VV	41	613	0.15%	0.101%
68	7.887	7.831	7.900	VV	80	2232	0.56%	0.368%
69	7.908	7.900	7.934	VV	64	1163	0.29%	0.192%
70	7.941	7.934	7.958	VV	56	631	0.16%	0.104%
71	7.966	7.958	7.986	VV	47	615	0.16%	0.101%
72	8.034	7.986	8.041	VV	35	906	0.23%	0.149%
73	8.050	8.041	8.059	VV	46	349	0.09%	0.058%
74	8.064	8.059	8.075	VV	32	263	0.07%	0.043%
75	8.086	8.075	8.095	VV	43	379	0.10%	0.062%
76	8.133	8.095	8.143	VV	40	889	0.22%	0.146%
77	8.152	8.143	8.169	VV	36	434	0.11%	0.071%
78	8.176	8.169	8.201	VV	38	572	0.14%	0.094%
79	8.228	8.201	8.237	VV	42	708	0.18%	0.117%
80	8.250	8.237	8.270	VV	53	682	0.17%	0.112%
81	8.302	8.270	8.324	VV	43	1096	0.28%	0.181%
82	8.336	8.324	8.349	VV	41	485	0.12%	0.080%
83	8.362	8.349	8.377	VV	38	483	0.12%	0.080%
84	8.387	8.377	8.396	VV	34	297	0.07%	0.049%
85	8.405	8.396	8.416	VV	45	385	0.10%	0.063%
86	8.428	8.416	8.453	VV	38	565	0.14%	0.093%
87	8.470	8.453	8.486	VV	29	412	0.10%	0.068%
88	8.505	8.486	8.518	VV	28	394	0.10%	0.065%
89	8.528	8.518	8.548	VV	26	354	0.09%	0.058%

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90	8.559	8.548	8.568	VV	22	224	0.06%	0.037%
91	8.578	8.568	8.593	VV	37	312	0.08%	0.051%
92	8.632	8.593	8.645	VV	35	809	0.20%	0.133%
93	8.793	8.645	8.985	VV	6762	396273	100.00%	65.299%
94	8.991	8.985	9.004	VV	112	1152	0.29%	0.190%
95	9.011	9.004	9.024	VV	96	996	0.25%	0.164%
96	9.032	9.024	9.043	VV	86	799	0.20%	0.132%
97	9.053	9.043	9.060	VV	65	637	0.16%	0.105%
98	9.069	9.060	9.116	VV	68	1900	0.48%	0.313%
99	9.121	9.116	9.133	VV	50	504	0.13%	0.083%
100	9.141	9.133	9.170	VV	49	971	0.25%	0.160%
101	9.184	9.170	9.214	VV	45	897	0.23%	0.148%
102	9.223	9.214	9.226	VV	29	167	0.04%	0.027%
103	9.237	9.226	9.258	VV	38	557	0.14%	0.092%
104	9.266	9.258	9.278	VV	27	239	0.06%	0.039%
105	9.287	9.278	9.310	VV	17	316	0.08%	0.052%
106	9.318	9.310	9.330	VV	25	239	0.06%	0.039%
107	9.350	9.330	9.366	VV	31	511	0.13%	0.084%
108	9.386	9.366	9.394	VV	29	423	0.11%	0.070%
109	9.440	9.394	9.465	VV	44	1229	0.31%	0.203%
110	9.488	9.465	9.497	VV	36	493	0.12%	0.081%
111	9.508	9.497	9.522	VV	32	318	0.08%	0.052%
112	9.534	9.522	9.552	VV	35	353	0.09%	0.058%
113	9.583	9.552	9.595	VV	18	327	0.08%	0.054%
114	9.610	9.595	9.634	VV	26	412	0.10%	0.068%
115	9.647	9.634	9.662	VV	28	334	0.08%	0.055%
116	9.670	9.662	9.681	VV	24	182	0.05%	0.030%
117	9.692	9.681	9.739	VV	29	567	0.14%	0.093%
118	9.748	9.739	9.771	VV	21	242	0.06%	0.040%
119	9.802	9.771	9.861	VV	28	982	0.25%	0.162%
120	9.871	9.861	9.903	VV	27	528	0.13%	0.087%
121	9.913	9.903	9.924	VV	51	383	0.10%	0.063%
122	9.965	9.924	9.989	VV	36	856	0.22%	0.141%
123	10.015	9.989	10.036	VV	27	436	0.11%	0.072%
124	10.053	10.036	10.062	VV	19	206	0.05%	0.034%
125	10.101	10.062	10.156	VV	31	1044	0.26%	0.172%
126	10.170	10.156	10.189	VV	31	304	0.08%	0.050%
127	10.207	10.189	10.240	VV	34	590	0.15%	0.097%
128	10.252	10.240	10.261	VV	33	244	0.06%	0.040%
129	10.271	10.261	10.278	VV	31	232	0.06%	0.038%
130	10.290	10.278	10.307	VV	44	541	0.14%	0.089%
131	10.315	10.307	10.326	VV	45	316	0.08%	0.052%
132	10.346	10.326	10.356	VV	40	524	0.13%	0.086%
133	10.365	10.356	10.372	VV	34	286	0.07%	0.047%
134	10.384	10.372	10.399	VV	42	579	0.15%	0.095%
135	10.408	10.399	10.415	VV	43	314	0.08%	0.052%
136	10.431	10.415	10.454	VV	37	761	0.19%	0.125%
137	10.468	10.454	10.485	VV	30	470	0.12%	0.077%
138	10.499	10.485	10.521	VV	28	423	0.11%	0.070%
139	10.530	10.521	10.540	VV	34	252	0.06%	0.042%
140	10.617	10.540	10.683	VV	77	4075	1.03%	0.671%
141	10.703	10.683	10.725	VV	53	915	0.23%	0.151%

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142	10.799	10.725	10.913	VV	60	3984	1.01%	0.657%
143	10.923	10.913	10.932	VV	20	159	0.04%	0.026%
144	10.951	10.932	10.981	VV	25	538	0.14%	0.089%
145	10.998	10.981	11.015	VV	34	378	0.10%	0.062%
146	11.026	11.015	11.050	VV	20	276	0.07%	0.046%
147	11.064	11.050	11.072	VV	19	180	0.05%	0.030%
148	11.106	11.072	11.150	VV	26	681	0.17%	0.112%
149	11.181	11.150	11.199	VV	31	438	0.11%	0.072%
150	11.222	11.199	11.243	VV	22	421	0.11%	0.069%
151	11.259	11.243	11.293	VV	22	448	0.11%	0.074%
152	11.316	11.293	11.332	VV	23	386	0.10%	0.064%
153	11.370	11.332	11.378	VV	28	466	0.12%	0.077%
154	11.388	11.378	11.433	VV	21	576	0.15%	0.095%
155	11.451	11.433	11.462	VV	38	424	0.11%	0.070%
156	11.496	11.462	11.504	VV	51	957	0.24%	0.158%
157	11.513	11.504	11.527	VV	53	585	0.15%	0.096%
158	11.537	11.527	11.563	VV	43	712	0.18%	0.117%
159	11.584	11.563	11.602	VV	32	598	0.15%	0.099%
160	11.617	11.602	11.634	VV	44	518	0.13%	0.085%
161	11.643	11.634	11.652	VV	29	253	0.06%	0.042%
162	11.677	11.652	11.687	VV	28	479	0.12%	0.079%
163	11.715	11.687	11.727	VV	33	627	0.16%	0.103%
164	11.739	11.727	11.752	VV	37	484	0.12%	0.080%
165	11.758	11.752	11.788	VV	41	659	0.17%	0.109%
166	11.811	11.788	11.821	VV	35	521	0.13%	0.086%
167	11.836	11.821	11.845	VV	43	506	0.13%	0.083%
168	11.877	11.845	11.894	VV	59	1432	0.36%	0.236%
169	11.902	11.894	11.967	VV	53	1547	0.39%	0.255%
170	11.974	11.967	11.982	VV	22	168	0.04%	0.028%
171	12.047	11.982	12.072	VV	32	984	0.25%	0.162%
172	12.081	12.072	12.086	VV	27	159	0.04%	0.026%
173	12.091	12.086	12.122	VV	29	410	0.10%	0.068%
174	12.130	12.122	12.136	VV	24	146	0.04%	0.024%
175	12.148	12.136	12.192	VV	39	695	0.18%	0.115%
176	12.201	12.192	12.224	VV	18	148	0.04%	0.024%
177	12.246	12.224	12.261	PV	22	301	0.08%	0.050%
178	12.270	12.261	12.291	VV	21	257	0.06%	0.042%
179	12.303	12.291	12.344	VV	18	414	0.10%	0.068%
180	12.352	12.344	12.365	VV	23	201	0.05%	0.033%
181	12.411	12.365	12.429	VV	19	507	0.13%	0.084%
182	12.438	12.429	12.451	VV	22	198	0.05%	0.033%
183	12.472	12.451	12.482	VV	30	347	0.09%	0.057%
184	12.490	12.482	12.504	VV	23	217	0.05%	0.036%
185	12.516	12.504	12.566	VV	26	546	0.14%	0.090%
186	12.576	12.566	12.599	VV	18	273	0.07%	0.045%
187	12.611	12.599	12.651	VV	20	443	0.11%	0.073%
188	12.670	12.651	12.697	VV	23	483	0.12%	0.080%
189	12.711	12.697	12.732	VV	32	438	0.11%	0.072%
190	12.742	12.732	12.759	VV	24	289	0.07%	0.048%
191	12.788	12.759	12.807	VV	47	672	0.17%	0.111%
192	12.823	12.807	12.835	VV	23	241	0.06%	0.040%
193	12.858	12.835	12.867	VV	20	285	0.07%	0.047%
194	12.909	12.867	12.919	VV	29	646	0.16%	0.106%

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195	12.948	12.919	12.961	VV	37	498	0.13%	0.082%
196	13.039	12.961	13.049	VV	42	1139	0.29%	0.188%
197	13.072	13.049	13.126	VV	45	1297	0.33%	0.214%
198	13.196	13.126	13.208	VV	63	2111	0.53%	0.348%
199	13.218	13.208	13.242	VV	66	899	0.23%	0.148%
200	13.251	13.242	13.291	VV	34	609	0.15%	0.100%
201	13.321	13.291	13.340	VV	33	640	0.16%	0.105%
202	13.366	13.340	13.386	VV	27	400	0.10%	0.066%
203	13.396	13.386	13.442	VV	25	481	0.12%	0.079%
204	13.476	13.442	13.486	VV	30	538	0.14%	0.089%
205	13.514	13.486	13.536	VV	32	680	0.17%	0.112%
206	13.548	13.536	13.561	VV	28	291	0.07%	0.048%
207	13.577	13.561	13.591	VV	22	292	0.07%	0.048%
208	13.622	13.591	13.650	VV	26	671	0.17%	0.110%
209	13.666	13.650	13.684	VV	33	455	0.11%	0.075%
210	13.710	13.684	13.735	VV	34	507	0.13%	0.084%
211	13.775	13.735	13.796	VV	36	867	0.22%	0.143%
212	13.807	13.796	13.816	VV	21	128	0.03%	0.021%
213	13.837	13.816	13.858	VV	19	302	0.08%	0.050%
214	13.896	13.858	13.902	PV	56	993	0.25%	0.164%
215	13.917	13.902	13.925	VV	65	795	0.20%	0.131%
216	13.938	13.925	13.961	VV	73	1258	0.32%	0.207%
217	14.130	13.961	14.249	VV	426	37061	9.35%	6.107%
218	14.257	14.249	14.266	VV	54	476	0.12%	0.078%
219	14.346	14.266	14.460	VV	164	10636	2.68%	1.753%
220	14.471	14.460	14.491	VV	38	420	0.11%	0.069%
221	14.502	14.491	14.524	VV	44	336	0.08%	0.055%
222	14.536	14.524	14.548	VV	32	251	0.06%	0.041%
223	14.565	14.548	14.579	VV	26	317	0.08%	0.052%
224	14.589	14.579	14.638	VV	33	672	0.17%	0.111%
225	14.645	14.638	14.674	VV	27	304	0.08%	0.050%
226	14.683	14.674	14.709	VV	17	267	0.07%	0.044%
227	14.768	14.709	14.785	VV	34	897	0.23%	0.148%
228	14.846	14.785	14.866	VV	33	1262	0.32%	0.208%
229	14.891	14.866	14.900	VV	48	687	0.17%	0.113%
230	14.908	14.900	14.917	VV	54	392	0.10%	0.065%
231	14.926	14.917	14.941	VV	40	484	0.12%	0.080%
232	14.951	14.941	14.998	VV	45	908	0.23%	0.150%
233	15.016	14.998	15.025	VV	25	345	0.09%	0.057%
234	15.034	15.025	15.046	VV	26	296	0.07%	0.049%
235	15.089	15.046	15.115	VV	41	1129	0.28%	0.186%
236	15.126	15.115	15.137	VV	29	334	0.08%	0.055%
237	15.144	15.137	15.163	VV	31	334	0.08%	0.055%
238	15.199	15.163	15.214	VV	32	760	0.19%	0.125%
239	15.230	15.214	15.245	VV	31	449	0.11%	0.074%
240	15.276	15.245	15.299	VV	47	1099	0.28%	0.181%
241	15.315	15.299	15.340	VV	42	705	0.18%	0.116%
242	15.411	15.340	15.445	VV	56	2634	0.66%	0.434%
243	15.457	15.445	15.497	VV	41	1092	0.28%	0.180%
244	15.507	15.497	15.549	VV	40	1090	0.28%	0.180%
245	15.581	15.549	15.590	VV	38	791	0.20%	0.130%
246	15.629	15.590	15.649	VV	55	1345	0.34%	0.222%

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247	15.683	15.649	15.701	VV	31	800	0.20%	0.132%
248	15.714	15.701	15.734	VV	48	556	0.14%	0.092%
249	15.755	15.734	15.775	PV	23	409	0.10%	0.067%
250	15.825	15.775	15.833	VV	36	681	0.17%	0.112%
251	15.837	15.833	15.865	VV	21	284	0.07%	0.047%
252	15.874	15.865	15.896	VV	22	303	0.08%	0.050%
253	15.931	15.896	15.940	VV	28	534	0.13%	0.088%
254	15.958	15.940	15.967	VV	29	384	0.10%	0.063%
255	15.977	15.967	15.991	VV	24	252	0.06%	0.042%
256	16.011	15.991	16.038	VV	29	658	0.17%	0.108%
257	16.043	16.038	16.069	VV	26	410	0.10%	0.068%
258	16.077	16.069	16.087	VV	25	216	0.05%	0.036%
259	16.097	16.087	16.138	VV	24	561	0.14%	0.093%
260	16.228	16.138	16.321	VV	82	4687	1.18%	0.772%
261	16.330	16.321	16.341	VV	24	185	0.05%	0.031%
262	16.360	16.341	16.386	VV	23	336	0.08%	0.055%

Sum of corrected areas: 606863

FB011525.M Tue Feb 04 00:46:20 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:	01/29/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-51.1-012925	SDG No.:	Q1232
Lab Sample ID:	Q1232-17	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	94.4 Decanted:
Sample Wt/Vol:	13.25 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
FB031446.D	1	02/03/25 14:40	FB020325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	18.0	U	3.00	18.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	17.1		50 - 150	86%	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\FB020325\
Data File : FB031446.D
Signal(s) : FID2B.CH
Acq On : 3 Feb 2025 14:40
Operator : YP/AJ
Sample : Q1232-17
Misc : 13.25G/5.00 ML DI WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
JPP-51.1-012925

Integration File: Calibration.e
Quant Time: Feb 04 00:19:29 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	409109	17.151 ng/ml
Target Compounds				

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

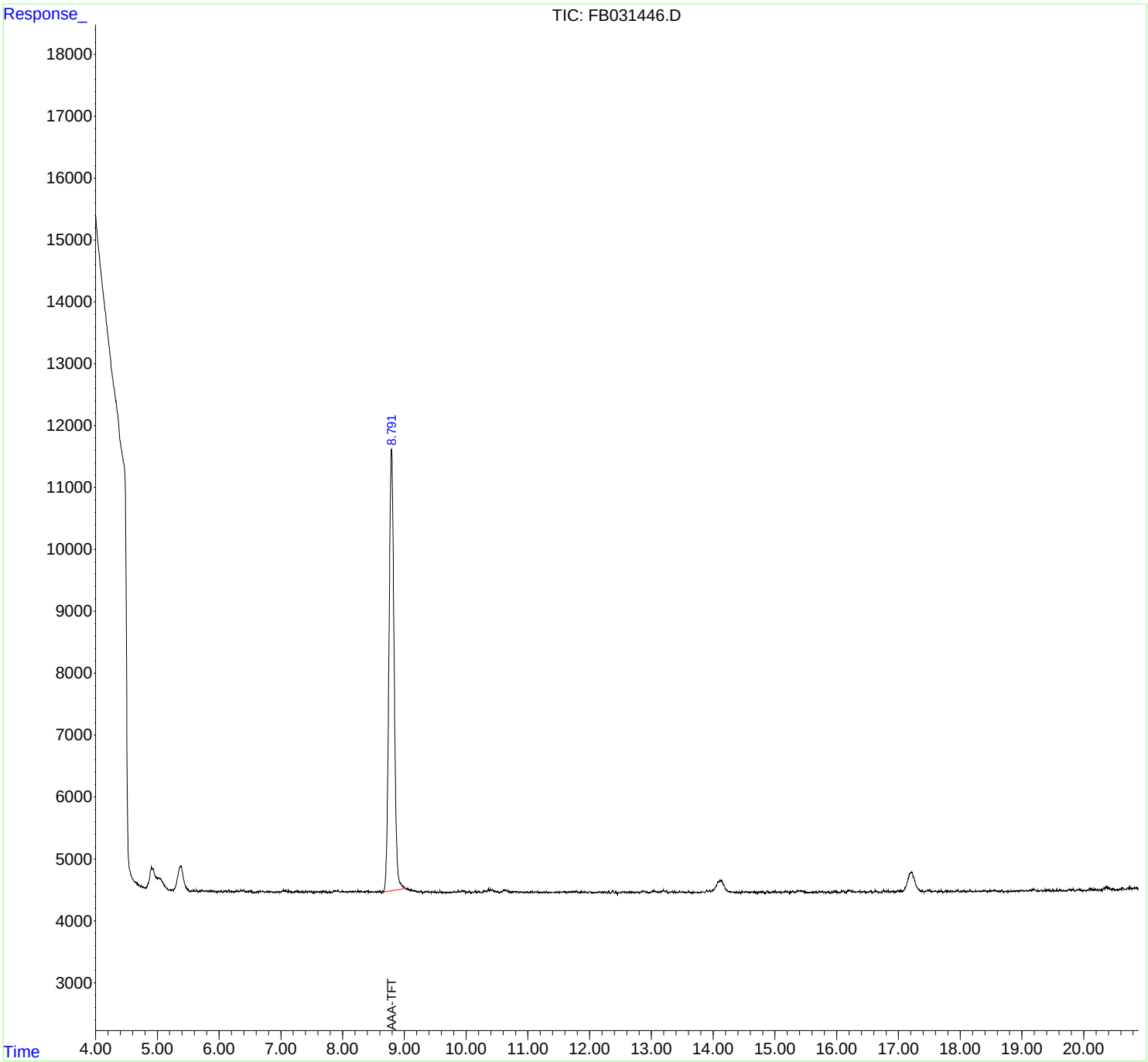
Quantitation Report (QT Reviewed)

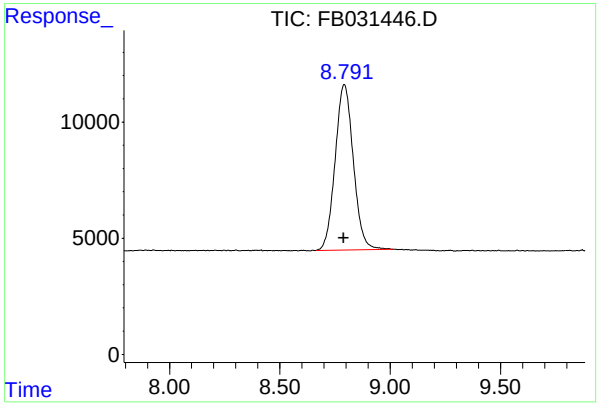
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB020325\
Data File : FB031446.D
Signal(s) : FID2B.CH
Acq On : 3 Feb 2025 14:40
Operator : YP/AJ
Sample : Q1232-17
Misc : 13.25G/5.00 ML DI WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
JPP-51.1-012925

Integration File: Calibration.e
Quant Time: Feb 04 00:19:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#5 AAA-TFT

R.T.: 8.792 min
Delta R.T.: 0.003 mi
Response: 409109
Conc: 17.15 ng/m

Instrument :
FID_B
ClientSampleId :
JPP-51.1-012925

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB020325\
Data File : FB031446.D
Signal(s) : FID2B.CH
Acq On : 3 Feb 2025 14:40
Sample : Q1232-17
Misc : 13.25G/5.00 ML DI WATER
ALS Vial : 8 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	4.657	4.621	4.733	BV	17	293	0.07%	0.050%
2	4.743	4.733	4.796	PV	23	325	0.08%	0.055%
3	5.026	5.017	5.191	VV	190	10256	2.45%	1.737%
4	5.206	5.191	5.227	VV	19	245	0.06%	0.042%
5	5.248	5.227	5.258	PV	26	292	0.07%	0.050%
6	5.553	5.545	5.564	VV	22	154	0.04%	0.026%
7	5.584	5.564	5.616	VV	25	437	0.10%	0.074%
8	5.634	5.616	5.660	VV	31	377	0.09%	0.064%
9	5.712	5.660	5.720	PV	29	478	0.11%	0.081%
10	5.728	5.720	5.763	VV	31	515	0.12%	0.087%
11	5.772	5.763	5.785	VV	21	224	0.05%	0.038%
12	5.801	5.785	5.814	VV	29	353	0.08%	0.060%
13	5.863	5.814	5.873	VV	32	665	0.16%	0.113%
14	5.895	5.873	5.905	VV	31	409	0.10%	0.069%
15	5.926	5.905	5.940	VV	31	360	0.09%	0.061%
16	5.952	5.940	5.971	VV	16	189	0.05%	0.032%
17	5.986	5.971	6.007	VV	23	318	0.08%	0.054%
18	6.012	6.007	6.021	VV	19	102	0.02%	0.017%
19	6.037	6.021	6.054	VV	36	334	0.08%	0.057%
20	6.101	6.054	6.117	PV	32	621	0.15%	0.105%
21	6.127	6.117	6.140	VV	30	289	0.07%	0.049%
22	6.160	6.140	6.181	VV	48	656	0.16%	0.111%
23	6.196	6.181	6.212	VV	34	342	0.08%	0.058%
24	6.226	6.212	6.237	VV	23	241	0.06%	0.041%
25	6.268	6.237	6.282	PV	30	469	0.11%	0.079%
26	6.289	6.282	6.302	VV	28	239	0.06%	0.040%
27	6.310	6.302	6.325	VV	30	332	0.08%	0.056%
28	6.353	6.325	6.369	VV	46	721	0.17%	0.122%
29	6.399	6.369	6.430	VV	50	1079	0.26%	0.183%
30	6.450	6.430	6.457	VV	19	242	0.06%	0.041%
31	6.483	6.457	6.497	VV	25	488	0.12%	0.083%
32	6.507	6.497	6.517	VV	34	273	0.07%	0.046%
33	6.531	6.517	6.554	VV	41	377	0.09%	0.064%
34	6.626	6.554	6.645	VV	20	444	0.11%	0.075%
35	6.666	6.645	6.677	VV	35	376	0.09%	0.064%
36	6.709	6.677	6.742	VV	27	721	0.17%	0.122%

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37	6.783	6.742	6.810	VV	26	669	0.16%	0.113%
38	6.897	6.880	6.907	VV	18	183	0.04%	0.031%
39	6.919	6.907	6.926	VV	17	142	0.03%	0.024%
40	6.939	6.926	6.956	VV	23	232	0.06%	0.039%
41	6.969	6.956	7.000	VV	26	406	0.10%	0.069%
42	7.038	7.000	7.063	VV	48	1071	0.26%	0.181%
43	7.077	7.063	7.115	VV	39	848	0.20%	0.144%
44	7.122	7.115	7.151	VV	44	582	0.14%	0.098%
45	7.162	7.151	7.171	VV	31	235	0.06%	0.040%
46	7.177	7.171	7.195	VV	24	193	0.05%	0.033%
47	7.204	7.195	7.209	VV	19	115	0.03%	0.019%
48	7.241	7.209	7.250	VV	28	469	0.11%	0.079%
49	7.260	7.250	7.268	VV	29	261	0.06%	0.044%
50	7.277	7.268	7.287	VV	32	280	0.07%	0.047%
51	7.295	7.287	7.340	VV	30	566	0.14%	0.096%
52	7.357	7.340	7.369	VV	26	317	0.08%	0.054%
53	7.378	7.369	7.390	VV	16	126	0.03%	0.021%
54	7.410	7.390	7.423	VV	34	383	0.09%	0.065%
55	7.445	7.423	7.468	VV	28	571	0.14%	0.097%
56	7.477	7.468	7.483	VV	25	178	0.04%	0.030%
57	7.495	7.483	7.518	VV	30	362	0.09%	0.061%
58	7.535	7.518	7.562	PV	23	334	0.08%	0.057%
59	7.615	7.562	7.629	VV	28	783	0.19%	0.133%
60	7.648	7.629	7.669	VV	30	499	0.12%	0.085%
61	7.693	7.669	7.717	VV	35	656	0.16%	0.111%
62	7.733	7.717	7.757	VV	32	354	0.08%	0.060%
63	7.765	7.757	7.774	VV	22	157	0.04%	0.027%
64	7.786	7.774	7.808	VV	30	351	0.08%	0.059%
65	7.827	7.808	7.835	VV	21	240	0.06%	0.041%
66	7.871	7.835	7.881	VV	37	719	0.17%	0.122%
67	7.892	7.881	7.919	VV	42	714	0.17%	0.121%
68	7.927	7.919	7.952	VV	50	641	0.15%	0.109%
69	7.963	7.952	7.972	VV	25	237	0.06%	0.040%
70	7.994	7.972	8.003	VV	34	402	0.10%	0.068%
71	8.011	8.003	8.028	VV	31	344	0.08%	0.058%
72	8.044	8.028	8.053	VV	25	303	0.07%	0.051%
73	8.060	8.053	8.091	VV	27	452	0.11%	0.077%
74	8.117	8.091	8.145	VV	30	740	0.18%	0.125%
75	8.155	8.145	8.167	VV	30	294	0.07%	0.050%
76	8.176	8.167	8.189	VV	32	277	0.07%	0.047%
77	8.208	8.189	8.239	VV	39	728	0.17%	0.123%
78	8.248	8.239	8.259	VV	36	358	0.09%	0.061%
79	8.267	8.259	8.282	VV	33	319	0.08%	0.054%
80	8.301	8.282	8.318	VV	41	533	0.13%	0.090%
81	8.359	8.318	8.373	VV	30	631	0.15%	0.107%
82	8.392	8.373	8.406	VV	32	577	0.14%	0.098%
83	8.415	8.406	8.442	VV	44	504	0.12%	0.085%
84	8.450	8.442	8.506	VV	24	751	0.18%	0.127%
85	8.517	8.506	8.549	VV	23	465	0.11%	0.079%
86	8.566	8.549	8.584	VV	27	420	0.10%	0.071%
87	8.608	8.584	8.636	VV	37	619	0.15%	0.105%
88	8.650	8.636	8.665	VV	37	421	0.10%	0.071%
89	8.792	8.665	9.013	VV	7171	419047	100.00%	70.969%

90	9.023	9.013	9.040	VV	82	1182	0.28%	0.200%
91	9.054	9.040	9.064	VV	79	948	0.23%	0.160%
92	9.071	9.064	9.096	VV	61	1051	0.25%	0.178%
93	9.118	9.096	9.153	VV	57	1473	0.35%	0.249%
94	9.169	9.153	9.178	VV	39	517	0.12%	0.088%
95	9.185	9.178	9.228	VV	35	693	0.17%	0.117%
96	9.239	9.228	9.247	VV	26	208	0.05%	0.035%
97	9.269	9.247	9.292	VV	34	551	0.13%	0.093%
98	9.317	9.292	9.324	PV	16	203	0.05%	0.034%
99	9.333	9.324	9.341	VV	27	195	0.05%	0.033%
100	9.350	9.341	9.361	VV	23	243	0.06%	0.041%
101	9.372	9.361	9.386	VV	34	371	0.09%	0.063%
102	9.397	9.386	9.412	VV	21	257	0.06%	0.044%
103	9.419	9.412	9.436	VV	17	200	0.05%	0.034%
104	9.444	9.436	9.457	VV	19	210	0.05%	0.036%
105	9.467	9.457	9.486	VV	22	272	0.06%	0.046%
106	9.494	9.486	9.517	VV	36	305	0.07%	0.052%
107	9.537	9.517	9.554	VV	16	234	0.06%	0.040%
108	9.577	9.554	9.591	VV	36	374	0.09%	0.063%
109	9.603	9.591	9.613	VV	25	193	0.05%	0.033%
110	9.623	9.613	9.630	VV	22	114	0.03%	0.019%
111	9.643	9.630	9.662	VV	14	209	0.05%	0.035%
112	9.670	9.662	9.675	VV	11	49	0.01%	0.008%
113	9.698	9.675	9.707	VV	15	201	0.05%	0.034%
114	9.717	9.707	9.740	VV	14	202	0.05%	0.034%
115	9.751	9.740	9.770	VV	15	209	0.05%	0.035%
116	9.814	9.770	9.833	VV	33	618	0.15%	0.105%
117	9.846	9.833	9.855	VV	21	193	0.05%	0.033%
118	9.871	9.855	9.882	VV	50	447	0.11%	0.076%
119	9.893	9.882	9.912	VV	24	323	0.08%	0.055%
120	9.932	9.912	9.967	VV	38	954	0.23%	0.162%
121	9.978	9.967	9.993	VV	40	381	0.09%	0.064%
122	10.019	9.993	10.031	VV	18	313	0.07%	0.053%
123	10.055	10.031	10.090	VV	37	606	0.14%	0.103%
124	10.118	10.090	10.126	VV	17	247	0.06%	0.042%
125	10.146	10.126	10.185	VV	41	568	0.14%	0.096%
126	10.205	10.185	10.227	VV	28	389	0.09%	0.066%
127	10.247	10.227	10.256	VV	14	154	0.04%	0.026%
128	10.295	10.256	10.307	VV	40	707	0.17%	0.120%
129	10.317	10.307	10.336	VV	32	450	0.11%	0.076%
130	10.361	10.336	10.373	VV	73	972	0.23%	0.165%
131	10.385	10.373	10.408	VV	60	955	0.23%	0.162%
132	10.424	10.408	10.445	VV	49	931	0.22%	0.158%
133	10.456	10.445	10.465	VV	45	370	0.09%	0.063%
134	10.477	10.465	10.499	VV	27	432	0.10%	0.073%
135	10.509	10.499	10.552	VV	31	428	0.10%	0.073%
136	10.632	10.552	10.671	VV	48	2266	0.54%	0.384%
137	10.684	10.671	10.694	VV	45	379	0.09%	0.064%
138	10.707	10.694	10.717	VV	26	195	0.05%	0.033%
139	10.753	10.717	10.762	VV	27	345	0.08%	0.058%
140	10.777	10.762	10.809	VV	27	516	0.12%	0.087%
141	10.840	10.809	10.853	VV	23	411	0.10%	0.070%

142	10.884	10.853	10.916	VV	23	467	0.11%	0.079%
143	10.950	10.916	10.966	VV	19	345	0.08%	0.058%
144	10.986	10.966	11.019	VV	21	359	0.09%	0.061%
145	11.028	11.019	11.035	VV	15	100	0.02%	0.017%
146	11.048	11.035	11.070	VV	28	318	0.08%	0.054%
147	11.075	11.070	11.094	VV	21	121	0.03%	0.021%
148	11.111	11.094	11.127	VV	23	232	0.06%	0.039%
149	11.136	11.127	11.147	VV	17	155	0.04%	0.026%
150	11.155	11.147	11.219	VV	21	419	0.10%	0.071%
151	11.231	11.219	11.244	VV	11	108	0.03%	0.018%
152	11.263	11.244	11.279	PV	25	239	0.06%	0.040%
153	11.300	11.279	11.316	VV	23	187	0.04%	0.032%
154	11.326	11.316	11.345	PV	10	90	0.02%	0.015%
155	11.354	11.345	11.398	PB	15	155	0.04%	0.026%
156	11.446	11.420	11.506	BV	11	299	0.07%	0.051%
157	11.519	11.506	11.562	PV	13	331	0.08%	0.056%
158	11.574	11.562	11.584	VV	21	179	0.04%	0.030%
159	11.609	11.584	11.634	VV	19	375	0.09%	0.064%
160	11.643	11.634	11.658	VV	18	188	0.04%	0.032%
161	11.673	11.658	11.687	VV	25	283	0.07%	0.048%
162	11.697	11.687	11.709	VV	23	220	0.05%	0.037%
163	11.736	11.709	11.749	VV	31	453	0.11%	0.077%
164	11.758	11.749	11.766	VV	29	225	0.05%	0.038%
165	11.785	11.766	11.838	VV	41	835	0.20%	0.141%
166	11.876	11.838	11.902	VV	30	652	0.16%	0.111%
167	11.915	11.902	11.945	VV	29	520	0.12%	0.088%
168	11.952	11.945	11.977	VV	19	259	0.06%	0.044%
169	12.003	11.977	12.025	VV	36	659	0.16%	0.112%
170	12.037	12.025	12.083	VV	19	550	0.13%	0.093%
171	12.097	12.083	12.108	VV	24	267	0.06%	0.045%
172	12.131	12.108	12.141	VV	26	430	0.10%	0.073%
173	12.173	12.141	12.189	VV	37	766	0.18%	0.130%
174	12.234	12.189	12.267	VV	38	1251	0.30%	0.212%
175	12.277	12.267	12.287	VV	36	330	0.08%	0.056%
176	12.310	12.287	12.338	VV	58	879	0.21%	0.149%
177	12.365	12.338	12.410	VV	55	1330	0.32%	0.225%
178	12.423	12.410	12.456	VV	52	586	0.14%	0.099%
179	12.469	12.456	12.492	PV	37	595	0.14%	0.101%
180	12.504	12.492	12.510	VV	28	276	0.07%	0.047%
181	12.539	12.510	12.564	VV	45	1115	0.27%	0.189%
182	12.572	12.564	12.583	VV	43	355	0.08%	0.060%
183	12.595	12.583	12.604	VV	32	375	0.09%	0.064%
184	12.622	12.604	12.654	VV	41	989	0.24%	0.167%
185	12.674	12.654	12.684	VV	41	627	0.15%	0.106%
186	12.694	12.684	12.707	VV	38	453	0.11%	0.077%
187	12.726	12.707	12.738	VV	38	529	0.13%	0.090%
188	12.756	12.738	12.773	VV	37	596	0.14%	0.101%
189	12.783	12.773	12.816	VV	39	756	0.18%	0.128%
190	12.843	12.816	12.853	VV	44	797	0.19%	0.135%
191	12.865	12.853	12.896	VV	53	1062	0.25%	0.180%
192	12.903	12.896	12.917	VV	48	475	0.11%	0.080%
193	12.931	12.917	12.954	VV	47	667	0.16%	0.113%
194	12.968	12.954	12.975	VV	25	262	0.06%	0.044%

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195	13.015	12.975	13.030	VV	54	1237	0.30%	0.209%
196	13.043	13.030	13.052	VV	59	654	0.16%	0.111%
197	13.064	13.052	13.081	VV	52	709	0.17%	0.120%
198	13.091	13.081	13.105	VV	41	472	0.11%	0.080%
199	13.116	13.105	13.128	VV	36	420	0.10%	0.071%
200	13.139	13.128	13.153	VV	41	498	0.12%	0.084%
201	13.195	13.153	13.232	VV	64	2216	0.53%	0.375%
202	13.247	13.232	13.265	VV	60	800	0.19%	0.135%
203	13.321	13.265	13.331	VV	37	1127	0.27%	0.191%
204	13.342	13.331	13.355	VV	51	514	0.12%	0.087%
205	13.378	13.355	13.391	VV	44	618	0.15%	0.105%
206	13.411	13.391	13.420	VV	33	446	0.11%	0.075%
207	13.428	13.420	13.435	VV	31	248	0.06%	0.042%
208	13.457	13.435	13.467	VV	58	693	0.17%	0.117%
209	13.472	13.467	13.492	VV	33	438	0.10%	0.074%
210	13.509	13.492	13.532	VV	42	827	0.20%	0.140%
211	13.550	13.532	13.572	VV	33	618	0.15%	0.105%
212	13.601	13.572	13.625	VV	50	953	0.23%	0.161%
213	13.683	13.625	13.692	VV	33	987	0.24%	0.167%
214	13.730	13.692	13.763	VV	32	1089	0.26%	0.184%
215	13.776	13.763	13.786	VV	28	315	0.08%	0.053%
216	13.800	13.786	13.808	VV	34	332	0.08%	0.056%
217	13.823	13.808	13.856	VV	39	894	0.21%	0.151%
218	13.864	13.856	13.872	VV	29	273	0.07%	0.046%
219	13.896	13.872	13.934	VV	68	1599	0.38%	0.271%
220	13.946	13.934	13.959	VV	64	746	0.18%	0.126%
221	14.084	13.959	14.092	VV	203	8050	1.92%	1.363%
222	14.131	14.092	14.265	VV	221	13184	3.15%	2.233%
223	14.274	14.265	14.285	VV	41	391	0.09%	0.066%
224	14.293	14.285	14.312	VV	37	480	0.11%	0.081%
225	14.333	14.312	14.347	VV	40	588	0.14%	0.100%
226	14.364	14.347	14.371	VV	29	289	0.07%	0.049%
227	14.380	14.371	14.404	VV	34	546	0.13%	0.092%
228	14.423	14.404	14.437	VV	30	459	0.11%	0.078%
229	14.444	14.437	14.451	VV	26	168	0.04%	0.028%
230	14.463	14.451	14.485	VV	39	588	0.14%	0.100%
231	14.491	14.485	14.507	VV	34	352	0.08%	0.060%
232	14.521	14.507	14.529	VV	36	385	0.09%	0.065%
233	14.541	14.529	14.560	VV	32	506	0.12%	0.086%
234	14.570	14.560	14.590	VV	39	472	0.11%	0.080%
235	14.621	14.590	14.668	VV	35	1185	0.28%	0.201%
236	14.676	14.668	14.688	VV	36	333	0.08%	0.056%
237	14.693	14.688	14.702	VV	26	155	0.04%	0.026%
238	14.730	14.702	14.754	VV	36	764	0.18%	0.129%
239	14.765	14.754	14.778	VV	43	436	0.10%	0.074%
240	14.801	14.778	14.852	VV	39	913	0.22%	0.155%
241	14.874	14.852	14.925	VV	46	1038	0.25%	0.176%
242	14.935	14.925	14.944	VV	24	244	0.06%	0.041%
243	14.975	14.944	14.983	VV	44	721	0.17%	0.122%
244	15.011	14.983	15.041	VV	47	1050	0.25%	0.178%
245	15.063	15.041	15.089	VV	33	790	0.19%	0.134%
246	15.096	15.089	15.107	VV	40	283	0.07%	0.048%

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247	15.125	15.107	15.137	VV	28	400	0.10%	0.068%
248	15.179	15.137	15.193	VV	40	1064	0.25%	0.180%
249	15.203	15.193	15.242	VV	40	683	0.16%	0.116%
250	15.253	15.242	15.275	PV	29	462	0.11%	0.078%
251	15.288	15.275	15.315	VV	43	762	0.18%	0.129%
252	15.360	15.315	15.378	VV	55	1259	0.30%	0.213%
253	15.384	15.378	15.434	VV	49	1398	0.33%	0.237%
254	15.440	15.434	15.467	VV	51	760	0.18%	0.129%
255	15.488	15.467	15.513	VV	45	691	0.16%	0.117%
256	15.536	15.513	15.567	VV	20	494	0.12%	0.084%
257	15.583	15.567	15.606	VV	31	464	0.11%	0.079%
258	15.636	15.606	15.646	VV	32	499	0.12%	0.085%
259	15.672	15.646	15.692	VV	34	563	0.13%	0.095%
260	15.723	15.692	15.740	VV	39	670	0.16%	0.113%
261	15.773	15.740	15.801	VV	45	946	0.23%	0.160%
262	15.813	15.801	15.846	VV	34	531	0.13%	0.090%
263	15.855	15.846	15.869	VV	31	350	0.08%	0.059%
264	15.876	15.869	15.907	VV	28	267	0.06%	0.045%
265	15.923	15.907	15.934	VV	39	296	0.07%	0.050%
266	15.957	15.934	15.968	VV	37	465	0.11%	0.079%
267	15.979	15.968	16.023	VV	44	798	0.19%	0.135%
268	16.037	16.023	16.047	VV	21	240	0.06%	0.041%
269	16.052	16.047	16.059	VV	19	110	0.03%	0.019%
270	16.080	16.059	16.133	VV	53	1325	0.32%	0.224%
271	16.143	16.133	16.152	VV	25	185	0.04%	0.031%
272	16.178	16.152	16.192	VV	38	692	0.17%	0.117%
273	16.210	16.192	16.224	VV	51	874	0.21%	0.148%
274	16.231	16.224	16.249	VV	49	505	0.12%	0.085%
275	16.260	16.249	16.274	VV	47	462	0.11%	0.078%
276	16.294	16.274	16.315	VV	26	500	0.12%	0.085%
277	16.339	16.315	16.349	VV	27	434	0.10%	0.073%
278	16.360	16.349	16.368	VV	28	278	0.07%	0.047%
279	16.378	16.368	16.392	VV	47	352	0.08%	0.060%

Sum of corrected areas: 590465

FB011525.M Tue Feb 04 00:47:42 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.: Q1232 SAS No.: Q1232 SDG No.: Q1232

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

Quantitation Report (QT Reviewed)

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

Instrument :
FID_B
ClientSampleId :
5 GRO STD

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

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

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

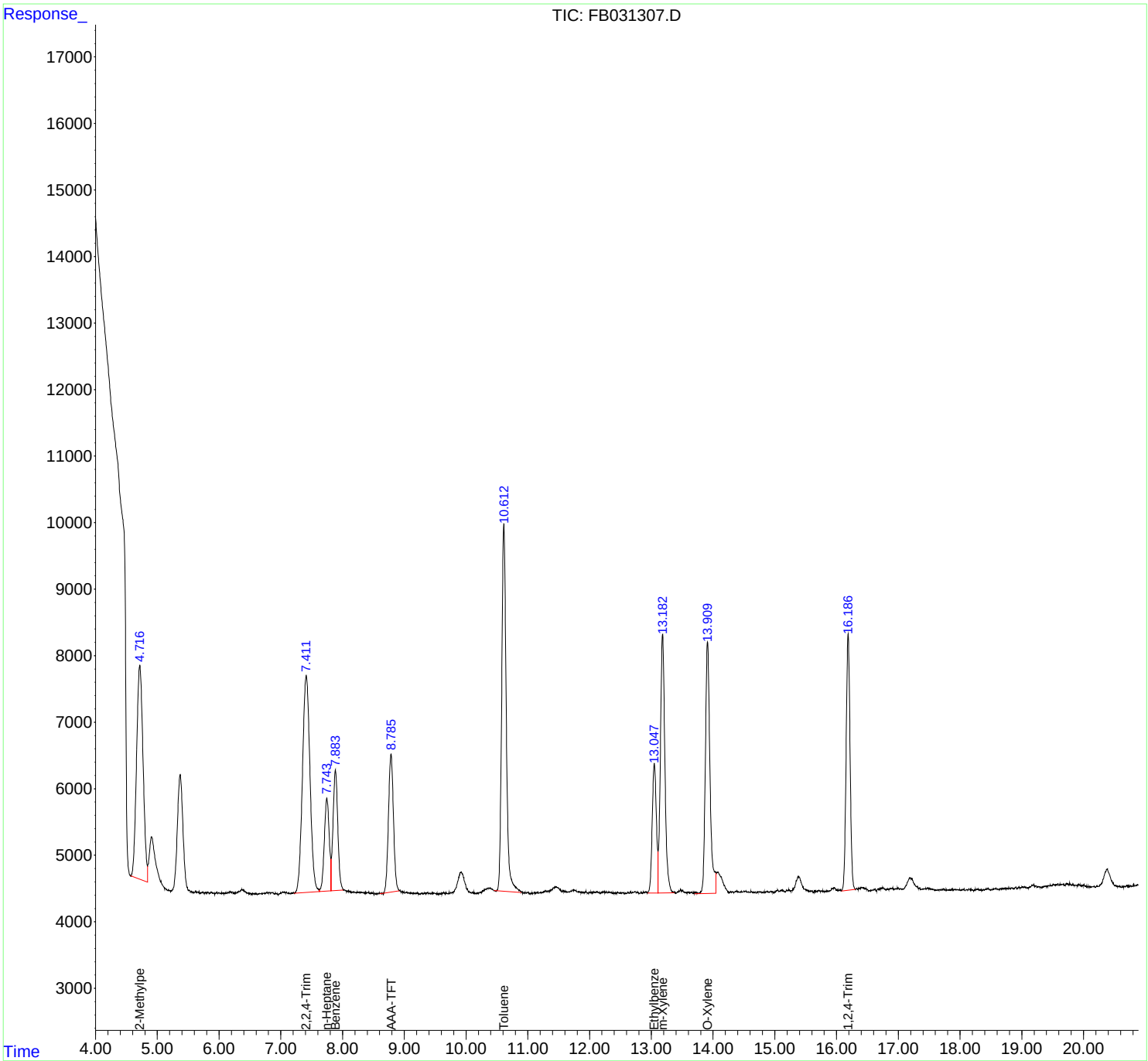
(f)=RT Delta > 1/2 Window (m)=manual int.

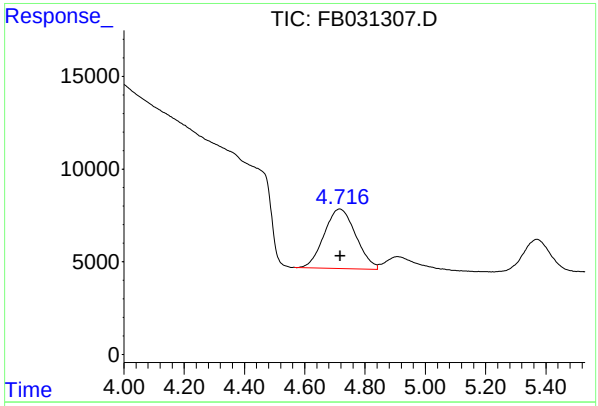
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011525\
Data File : FB031307.D
Signal(s) : FID2B.CH
Acq On : 15 Jan 2025 10:20
Operator : YP/AJ
Sample : 5 GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
5 GRO STD

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

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

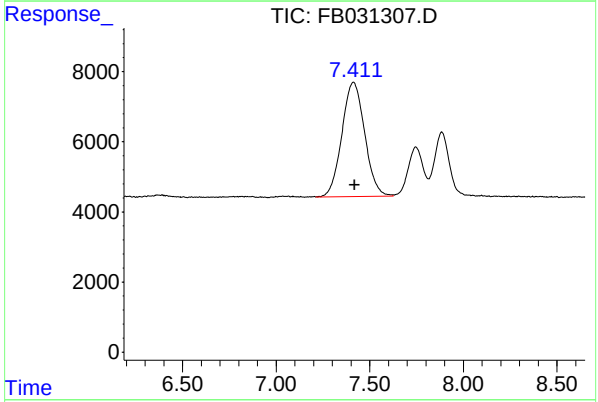




#1 2-Methylpentane

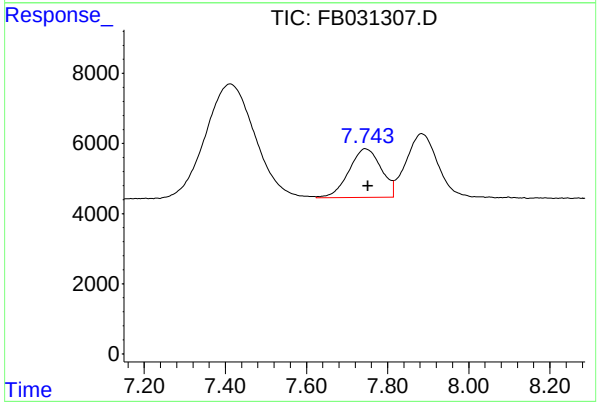
R.T.: 4.718 min
Delta R.T.: 0.000 min
Response: 233598
Conc: 7.65 ng/ml

Instrument :
FID_B
ClientSampleId :
5 GRO STD



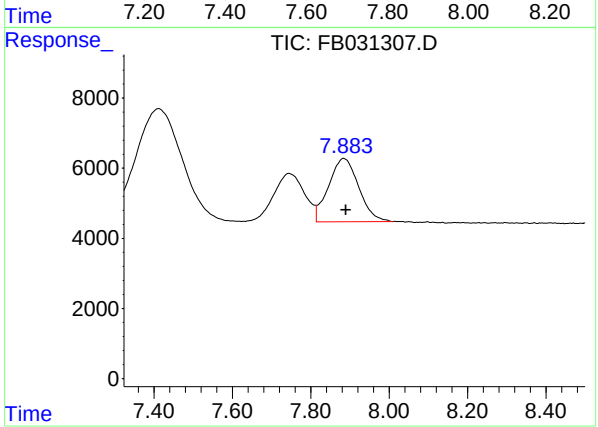
#2 2,2,4-Trimethylpentane

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



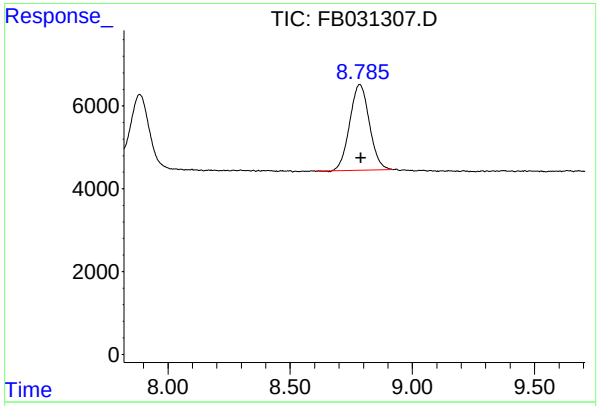
#3 n-Heptane

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



#4 Benzene

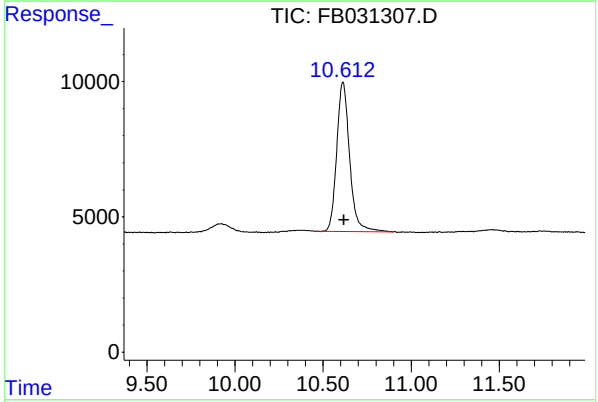
R.T.: 7.885 min
Delta R.T.: -0.005 min
Response: 96940
Conc: 2.46 ng/ml



#5 AAA-TFT

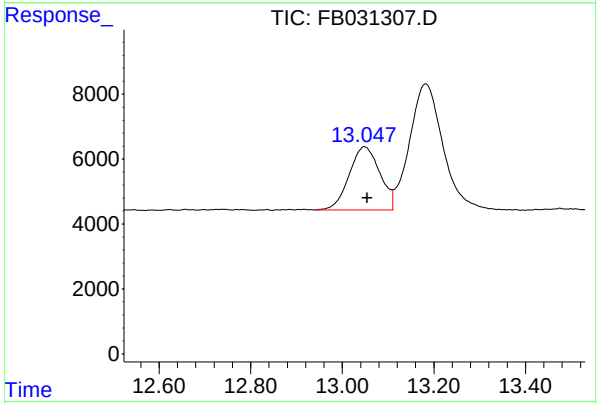
R.T.: 8.786 min
Delta R.T.: -0.003 min
Response: 115906
Conc: 4.68 ng/ml

Instrument :
FID_B
ClientSampleId :
5 GRO STD



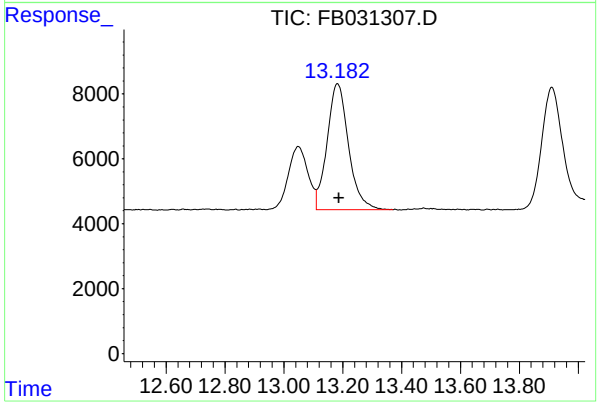
#6 Toluene

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



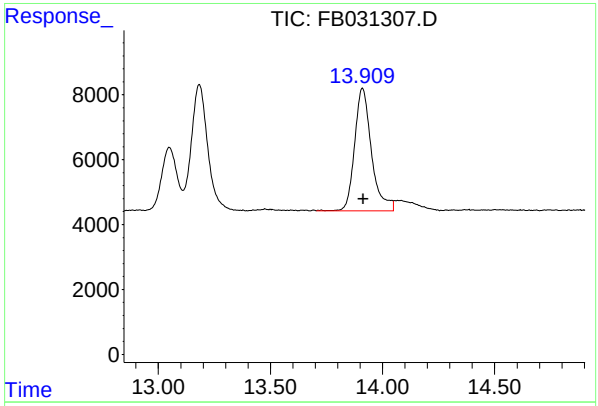
#7 Ethylbenzene

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



#8 m-Xylene

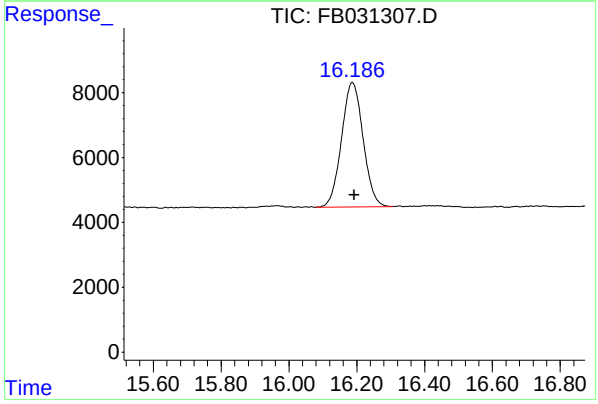
R.T.: 13.183 min
Delta R.T.: -0.005 min
Response: 196650
Conc: 5.78 ng/ml



#9 O-Xylene

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

Instrument :
FID_B
ClientSampleId :
5 GRO STD



#10 1,2,4-Trimethylbenzene

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

rteres

Area Percent Report

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

Integration File: Calibration.e

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

Signal : FID2B.CH

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

Sum of corrected areas: 1735154

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

Quantitation Report (QT Reviewed)

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

Instrument :
FID_B
ClientSampleId :
10 GRO STD

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

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

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

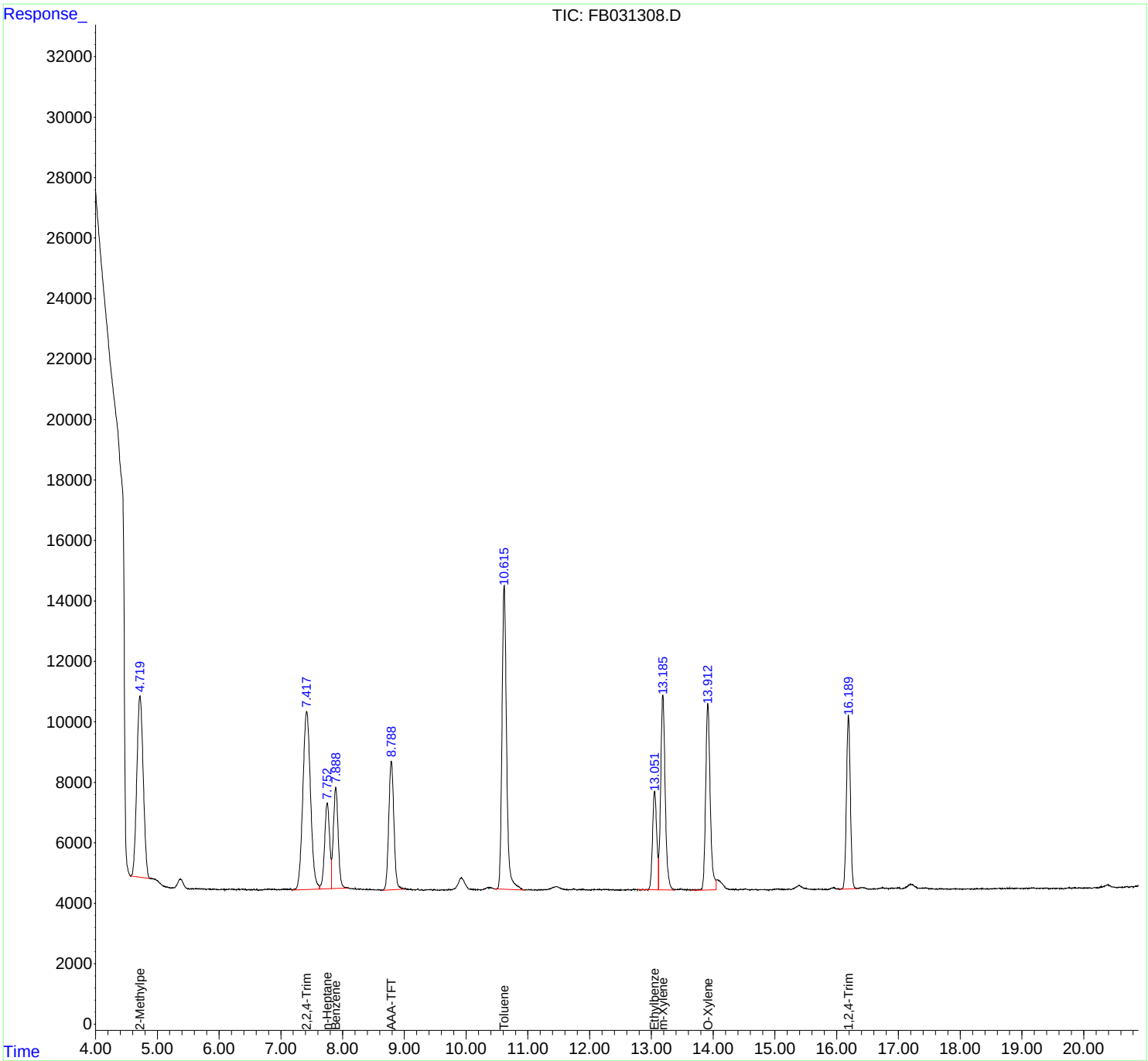
(f)=RT Delta > 1/2 Window (m)=manual int.

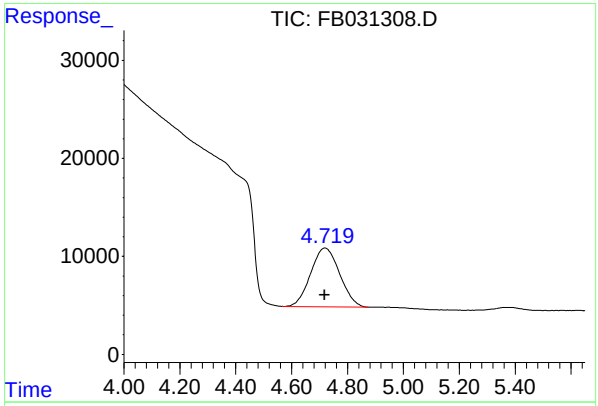
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011525\
Data File : FB031308.D
Signal(s) : FID2B.CH
Acq On : 15 Jan 2025 10:47
Operator : YP/AJ
Sample : 10 GRO STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
10 GRO STD

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

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

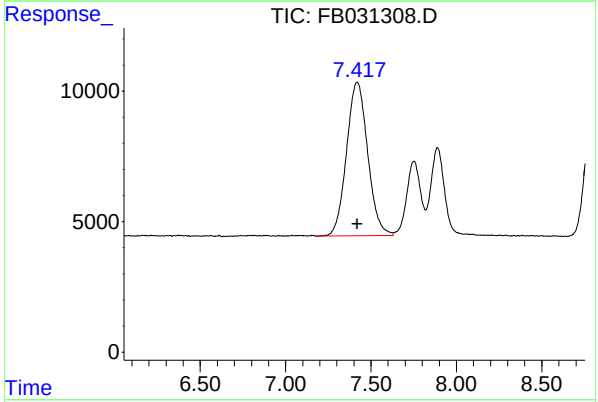




#1 2-Methylpentane

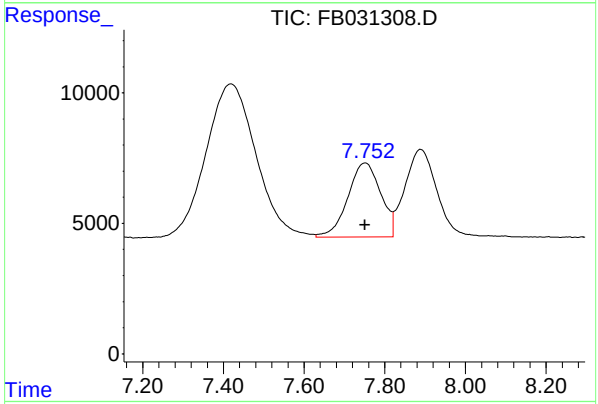
R.T.: 4.720 min
Delta R.T.: 0.002 min
Response: 431842
Conc: 14.01 ng/ml

Instrument :
FID_B
ClientSampleId :
10 GRO STD



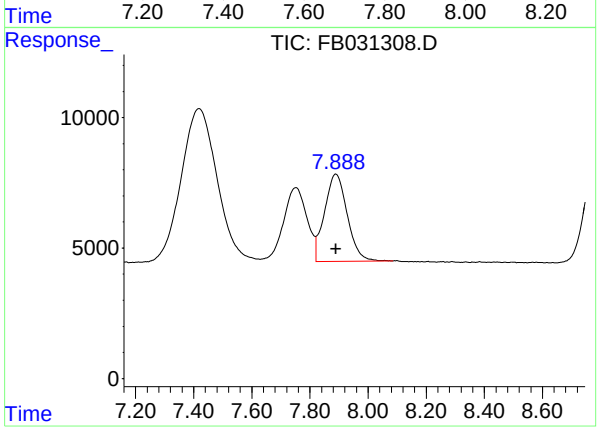
#2 2,2,4-Trimethylpentane

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



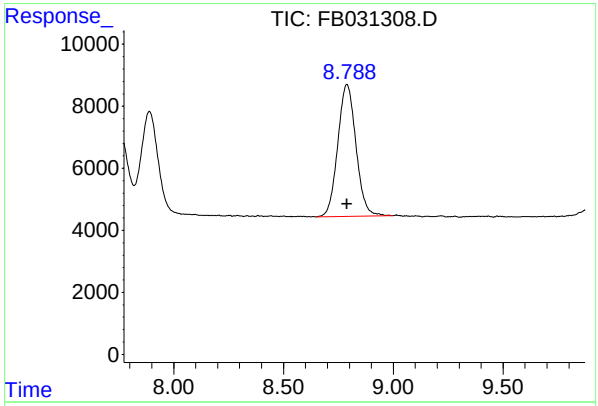
#3 n-Heptane

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



#4 Benzene

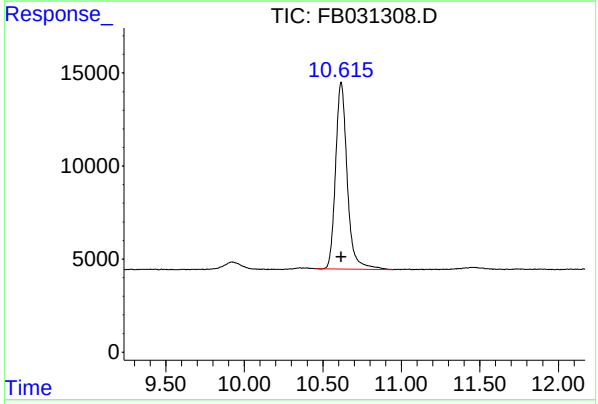
R.T.: 7.890 min
Delta R.T.: 0.000 min
Response: 182595
Conc: 4.67 ng/ml



#5 AAA-TFT

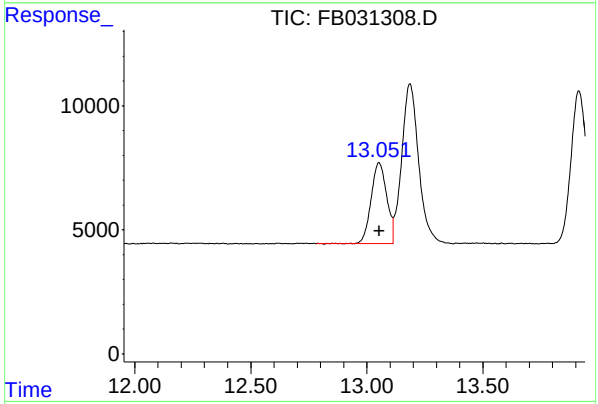
R.T.: 8.789 min
Delta R.T.: 0.000 min
Response: 244936
Conc: 10.22 ng/ml

Instrument :
FID_B
ClientSampleId :
10 GRO STD



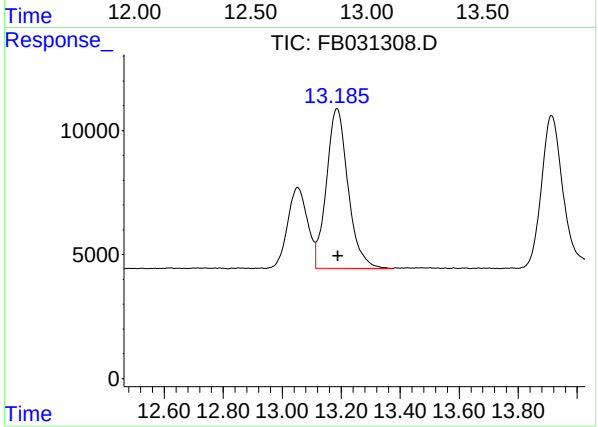
#6 Toluene

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



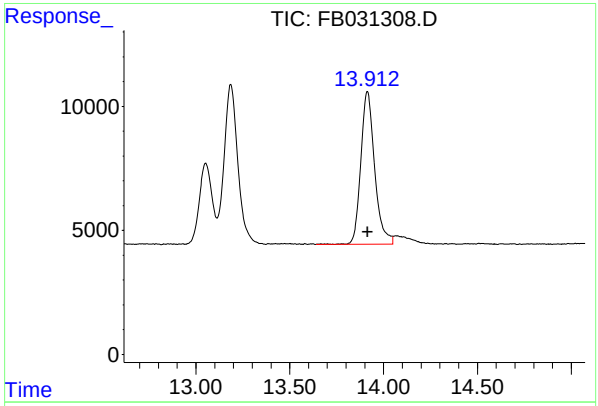
#7 Ethylbenzene

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



#8 m-Xylene

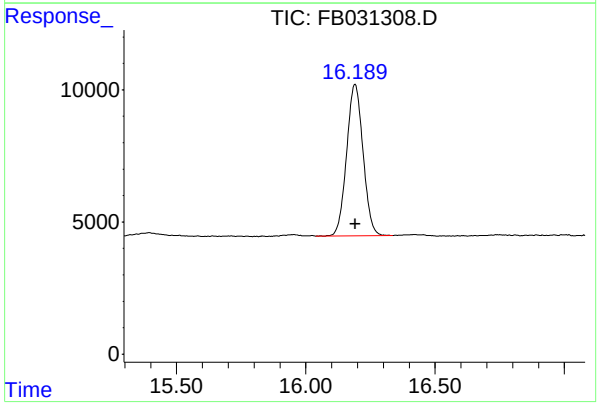
R.T.: 13.186 min
Delta R.T.: -0.002 min
Response: 328529
Conc: 8.96 ng/ml



#9 O-Xylene

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

Instrument :
FID_B
ClientSampleId :
10 GRO STD



#10 1,2,4-Trimethylbenzene

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

rteres

Area Percent Report

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

Integration File: Calibration.e

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

Signal : FID2B.CH

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

Sum of corrected areas: 3094319

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

Quantitation Report (QT Reviewed)

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

Instrument :
FID_B
ClientSampleId :
20 GRO STD

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

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

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

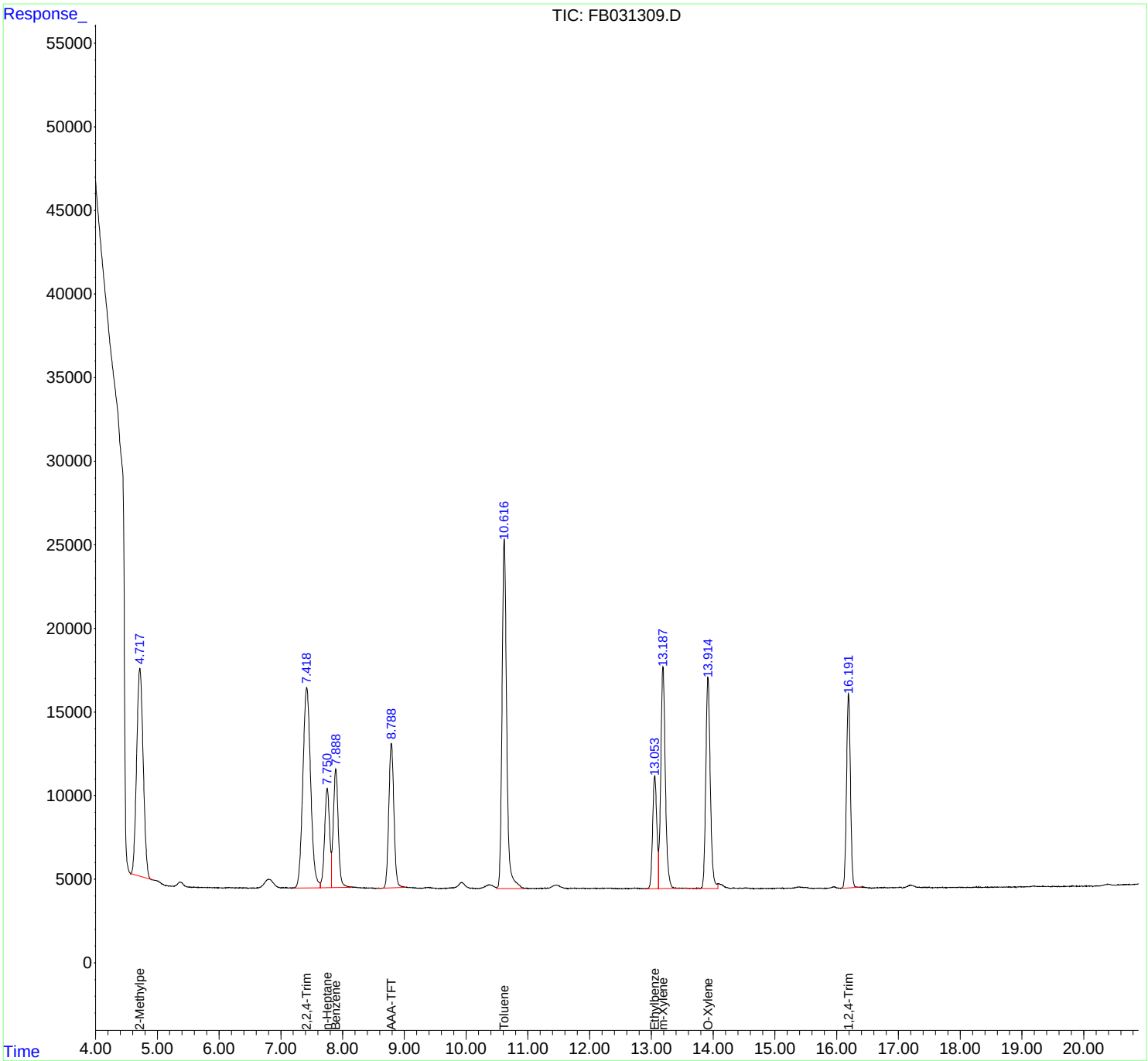
(f)=RT Delta > 1/2 Window (m)=manual int.

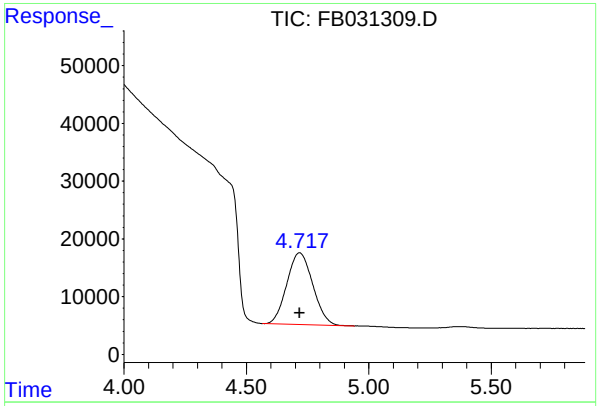
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011525\
Data File : FB031309.D
Signal(s) : FID2B.CH
Acq On : 15 Jan 2025 11:13
Operator : YP/AJ
Sample : 20 GRO STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 GRO STD

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

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

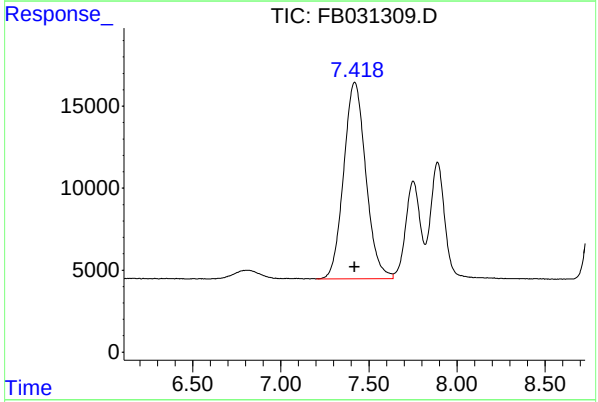




#1 2-Methylpentane

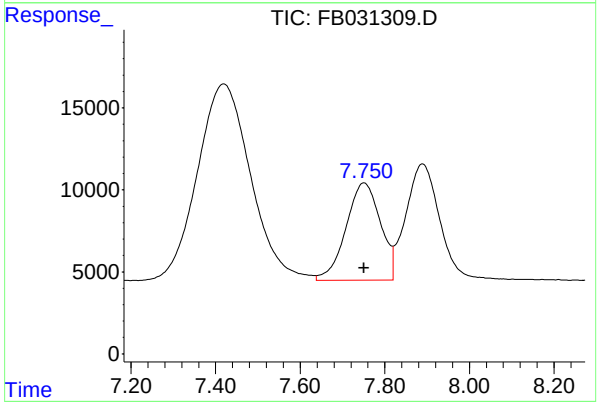
R.T.: 4.718 min
Delta R.T.: 0.000 min
Response: 915530
Conc: 30.00 ng/ml

Instrument :
FID_B
ClientSampleId :
20 GRO STD



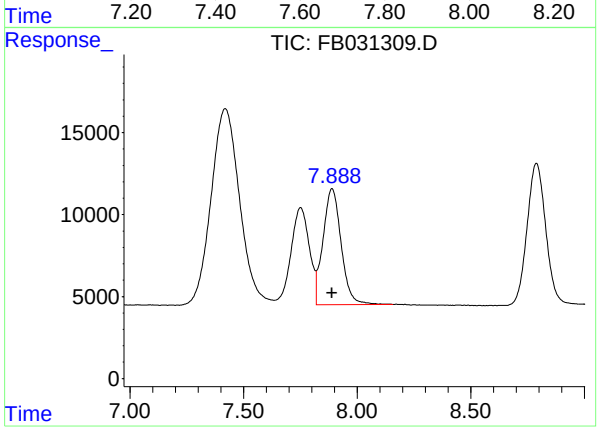
#2 2,2,4-Trimethylpentane

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



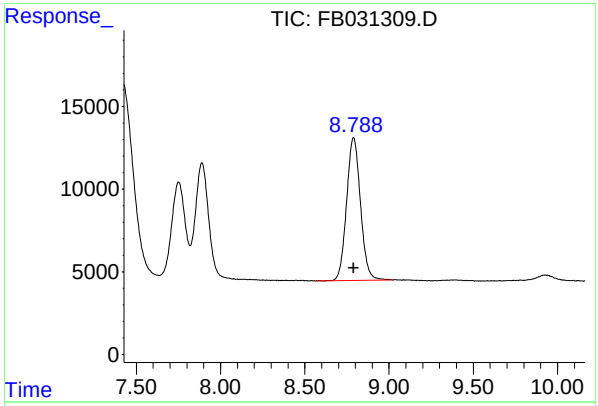
#3 n-Heptane

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



#4 Benzene

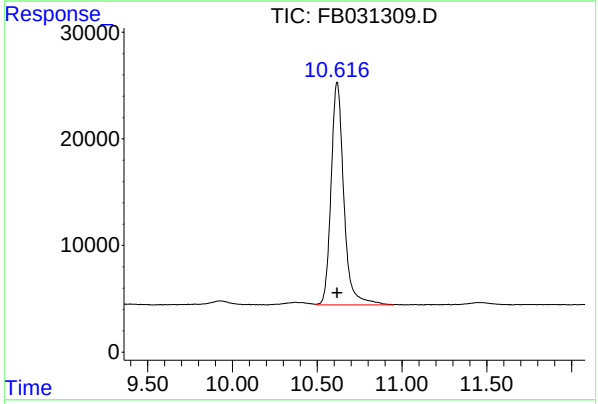
R.T.: 7.890 min
Delta R.T.: 0.000 min
Response: 394556
Conc: 10.00 ng/ml



#5 AAA-TFT

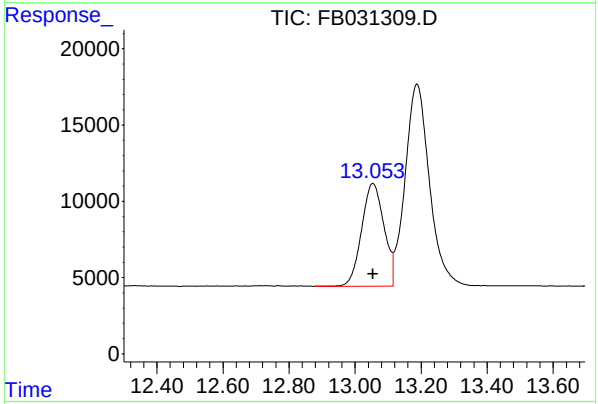
R.T.: 8.790 min
Delta R.T.: 0.000 min
Response: 495333
Conc: 20.00 ng/ml

Instrument :
FID_B
ClientSampleId :
20 GRO STD



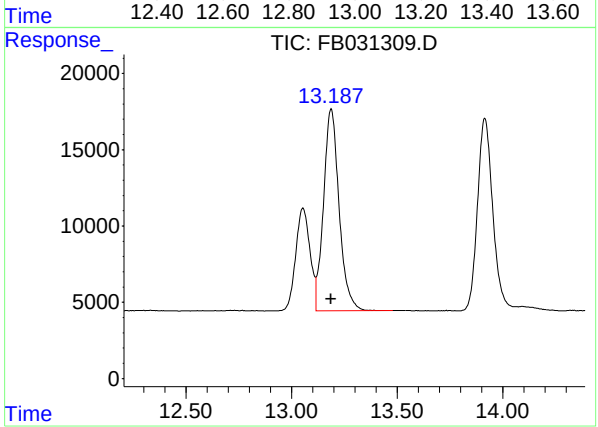
#6 Toluene

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



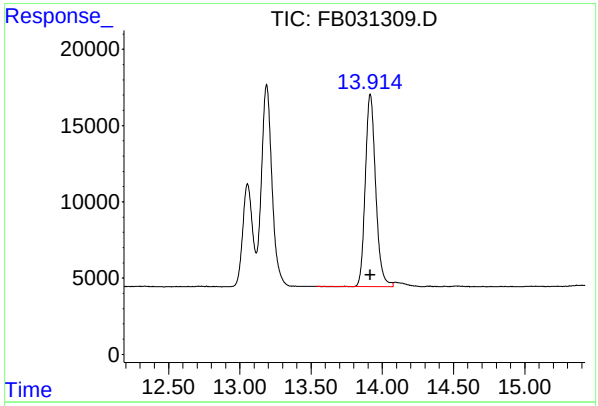
#7 Ethylbenzene

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



#8 m-Xylene

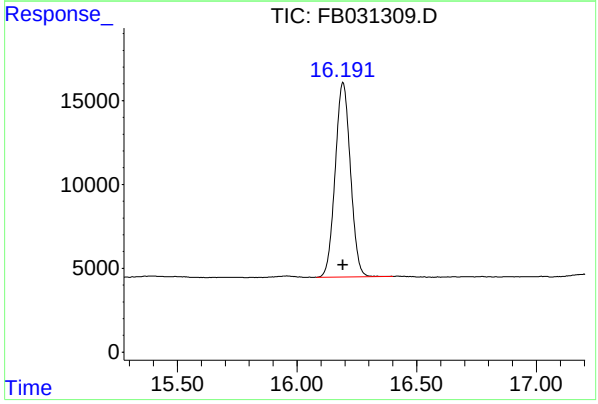
R.T.: 13.188 min
Delta R.T.: 0.000 min
Response: 679935
Conc: 20.00 ng/ml



#9 O-Xylene

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

Instrument :
FID_B
ClientSampleId :
20 GRO STD



#10 1,2,4-Trimethylbenzene

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

rteres

Area Percent Report

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

Integration File: Calibration.e

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

Signal : FID2B.CH

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

Sum of corrected areas: 6422794

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

Quantitation Report (QT Reviewed)

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

Instrument :
FID_B
ClientSampleId :
50 GRO STD

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

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

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

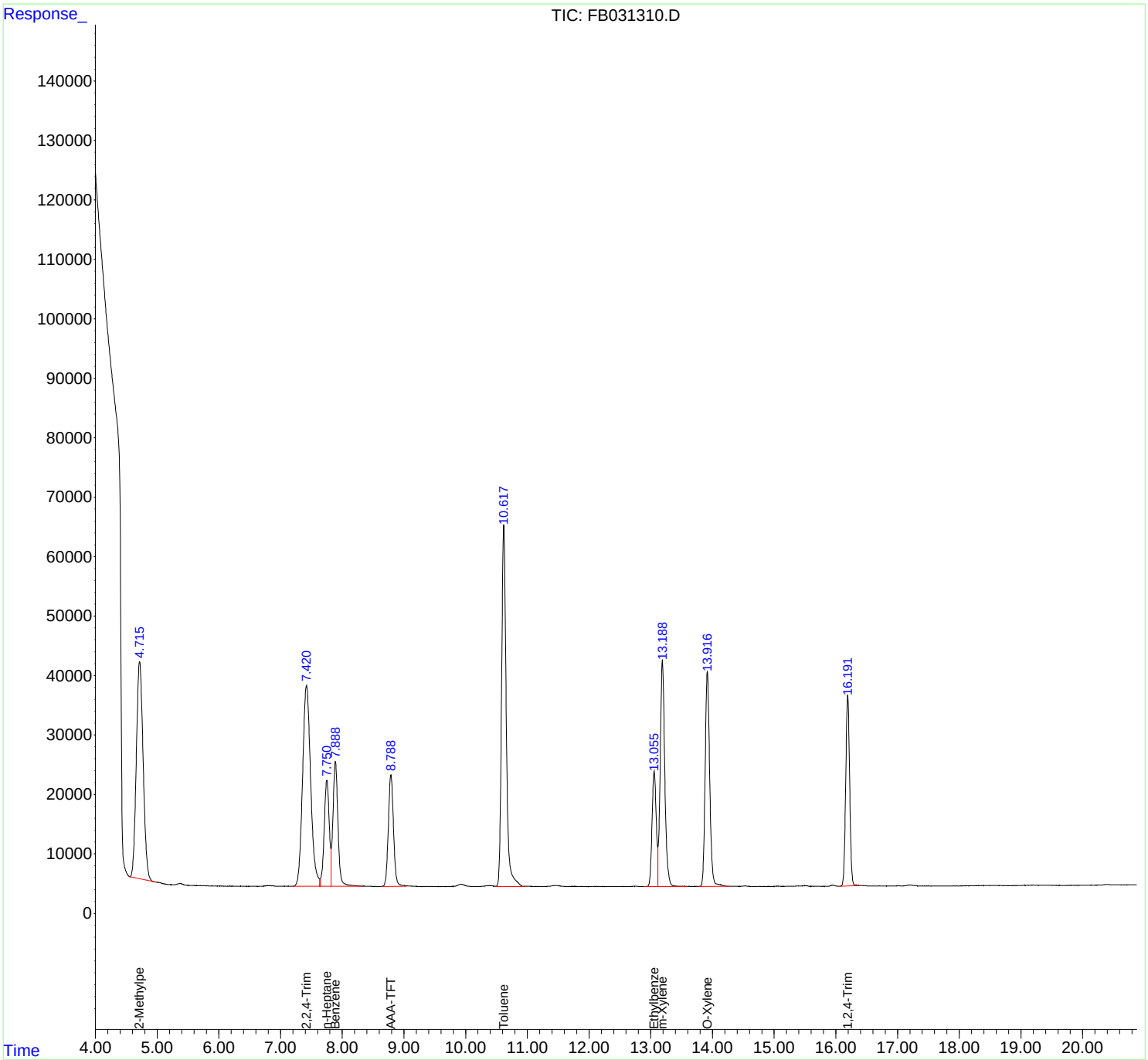
(f)=RT Delta > 1/2 Window (m)=manual int.

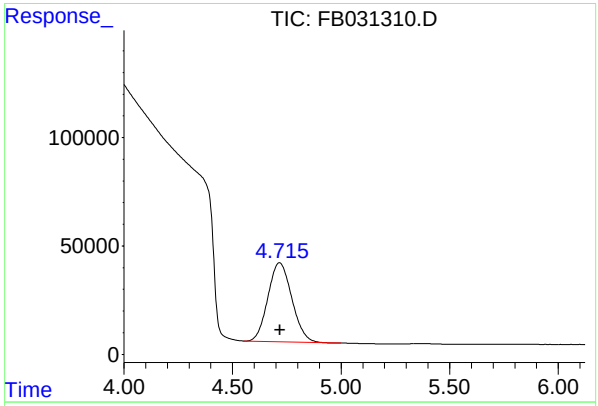
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011525\
Data File : FB031310.D
Signal(s) : FID2B.CH
Acq On : 15 Jan 2025 11:40
Operator : YP/AJ
Sample : 50 GRO STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
50 GRO STD

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

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

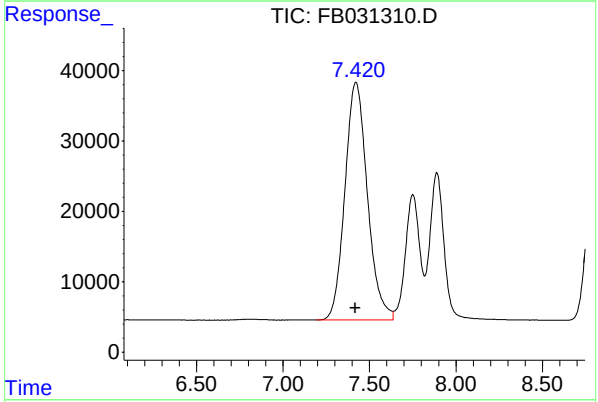




#1 2-Methylpentane

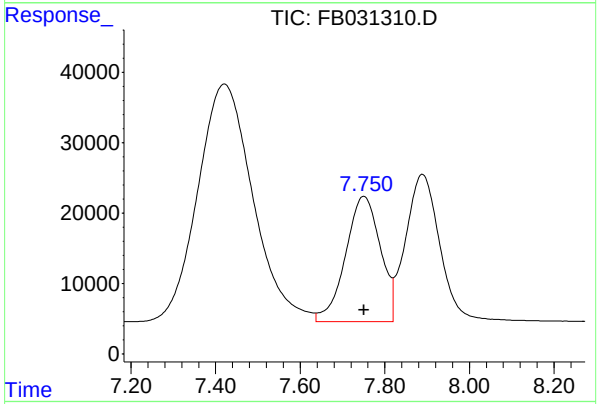
R.T.: 4.716 min
Delta R.T.: -0.002 min
Response: 2794680
Conc: 92.69 ng/ml

Instrument :
FID_B
ClientSampleId :
50 GRO STD



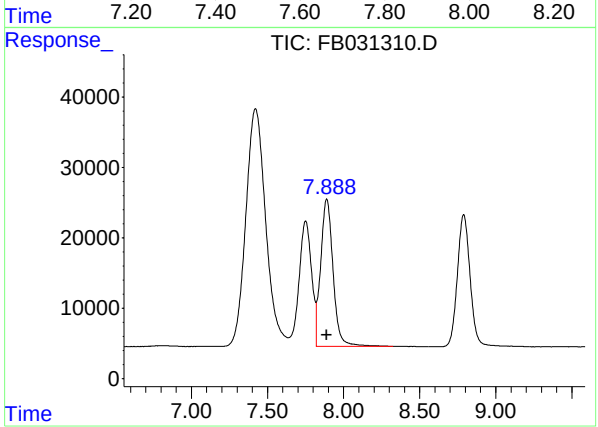
#2 2,2,4-Trimethylpentane

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



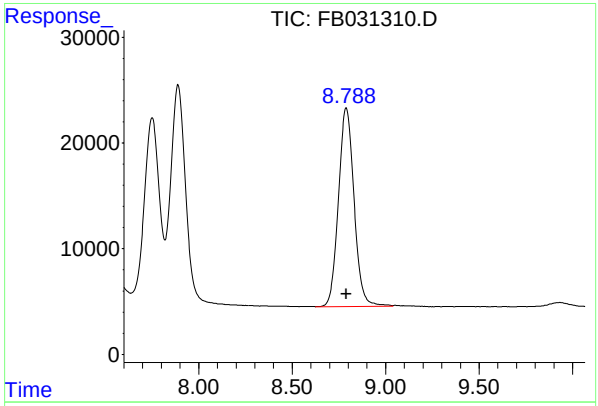
#3 n-Heptane

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



#4 Benzene

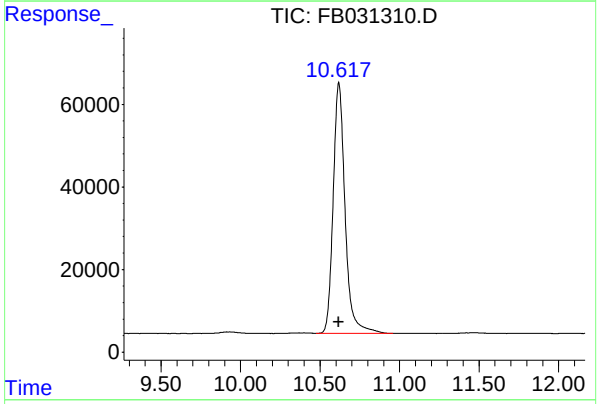
R.T.: 7.889 min
Delta R.T.: 0.000 min
Response: 1195371
Conc: 31.25 ng/ml



#5 AAA-TFT

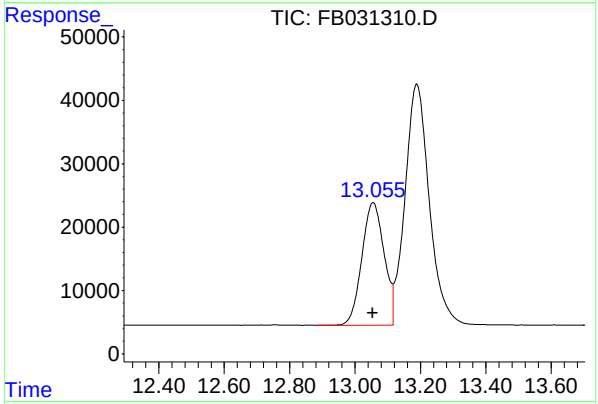
R.T.: 8.789 min
Delta R.T.: 0.000 min
Response: 1088363
Conc: 45.07 ng/ml

Instrument :
FID_B
ClientSampleId :
50 GRO STD



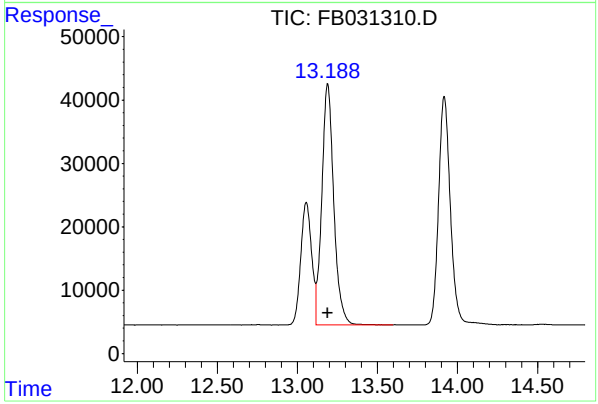
#6 Toluene

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



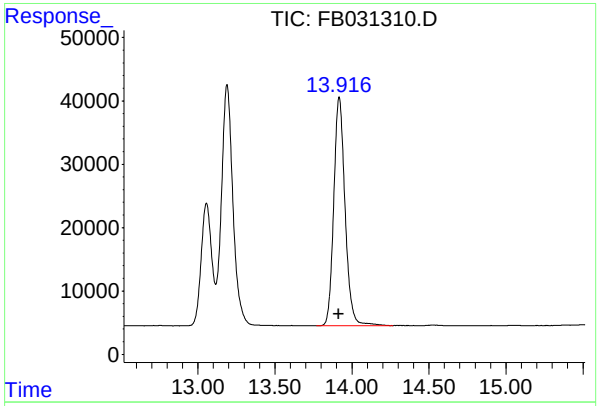
#7 Ethylbenzene

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



#8 m-Xylene

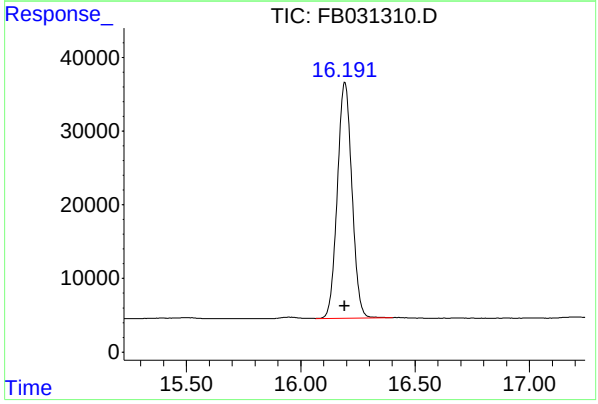
R.T.: 13.189 min
Delta R.T.: 0.001 min
Response: 1979254
Conc: 55.92 ng/ml



#9 O-Xylene

R.T.: 13.917 min
Delta R.T.: 0.002 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

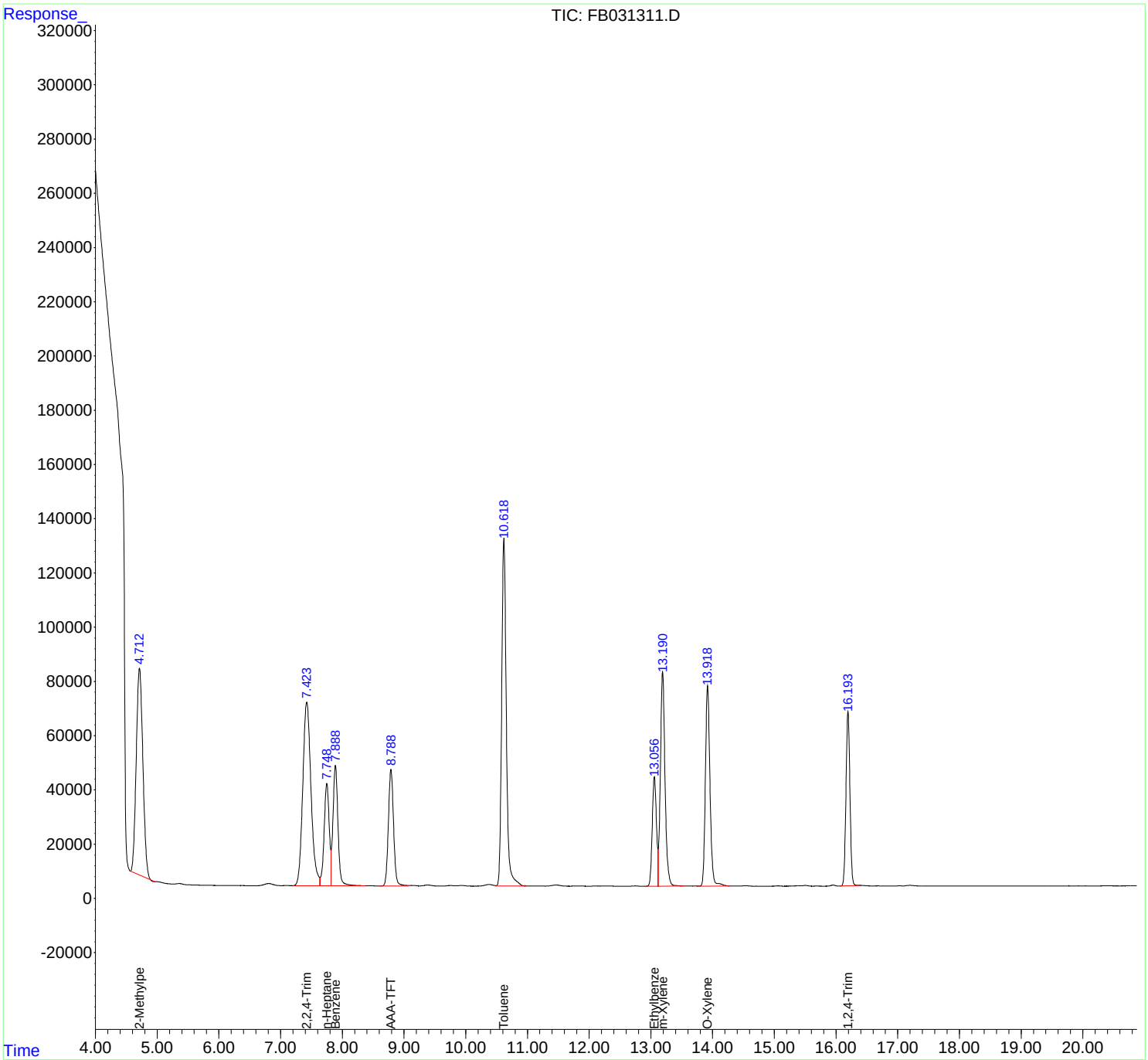
(f)=RT Delta > 1/2 Window (m)=manual int.

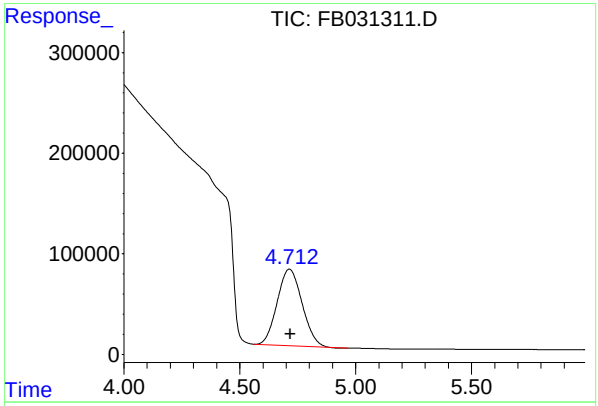
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011525\
Data File : FB031311.D
Signal(s) : FID2B.CH
Acq On : 15 Jan 2025 12:07
Operator : YP/AJ
Sample : 100 GRO STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

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

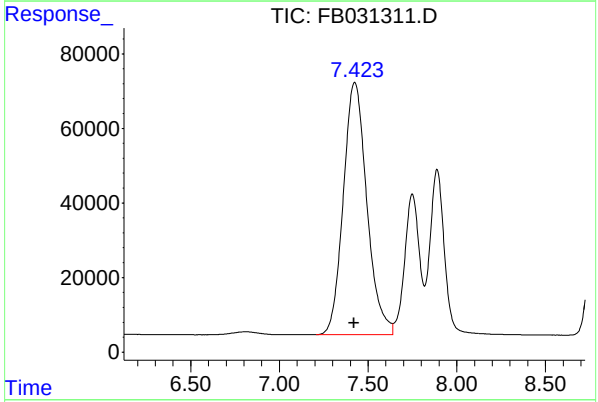




#1 2-Methylpentane

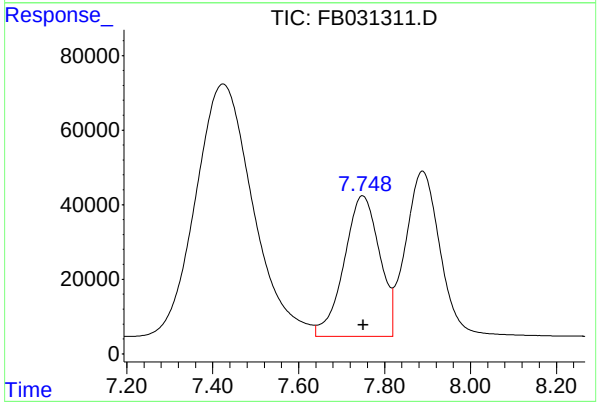
R.T.: 4.714 min
Delta R.T.: -0.004 min
Response: 5701862
Conc: 178.58 ng/ml

Instrument :
FID_B
ClientSampleId :
100 GRO STD



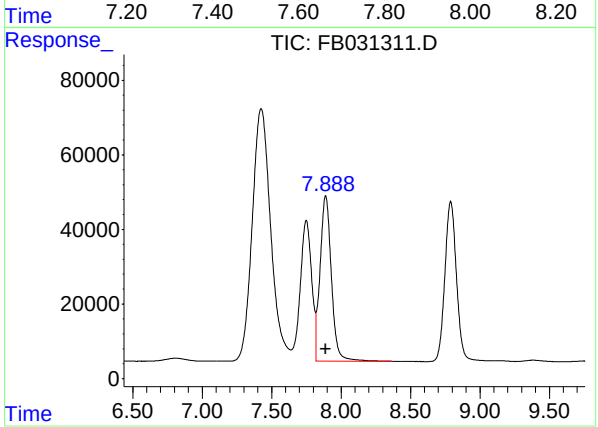
#2 2,2,4-Trimethylpentane

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



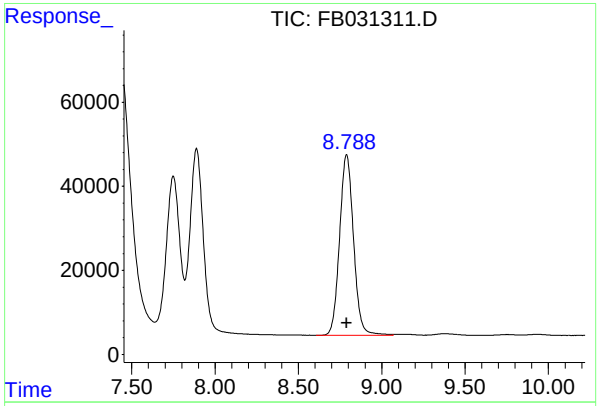
#3 n-Heptane

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



#4 Benzene

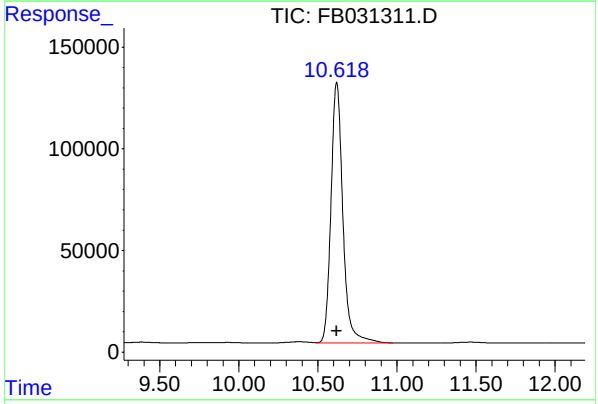
R.T.: 7.889 min
Delta R.T.: 0.000 min
Response: 2519199
Conc: 61.99 ng/ml



#5 AAA-TFT

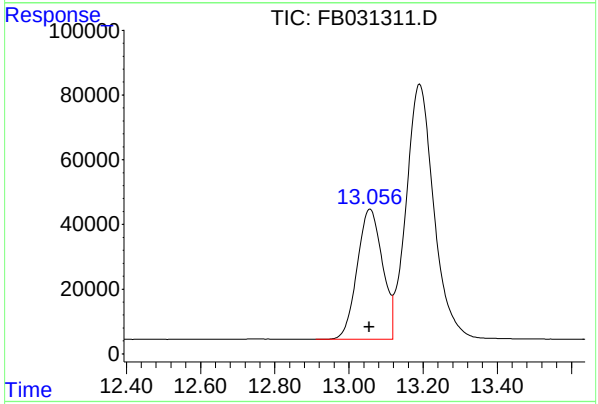
R.T.: 8.789 min
Delta R.T.: 0.000 min
Response: 2505507
Conc: 106.38 ng/ml

Instrument :
FID_B
ClientSampleId :
100 GRO STD



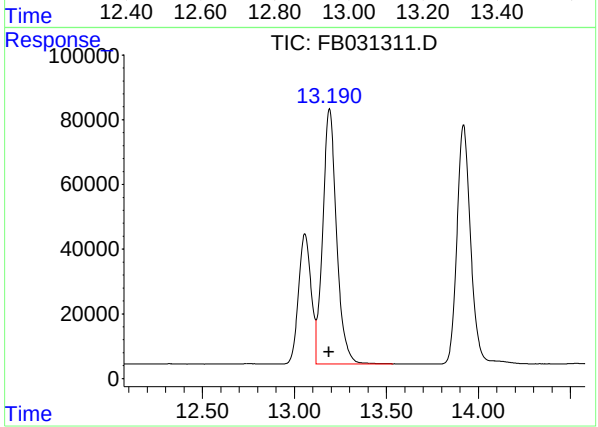
#6 Toluene

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



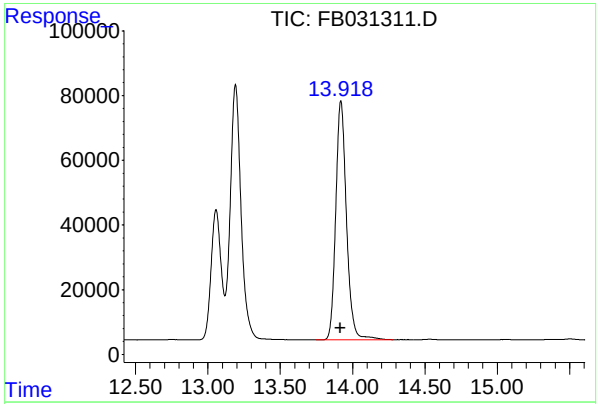
#7 Ethylbenzene

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



#8 m-Xylene

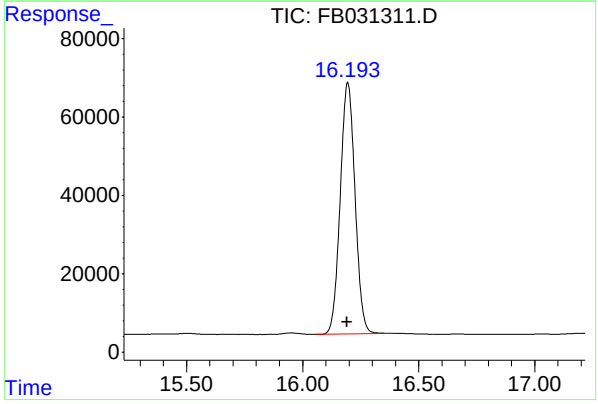
R.T.: 13.191 min
Delta R.T.: 0.003 min
Response: 4113116
Conc: 112.87 ng/ml



#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

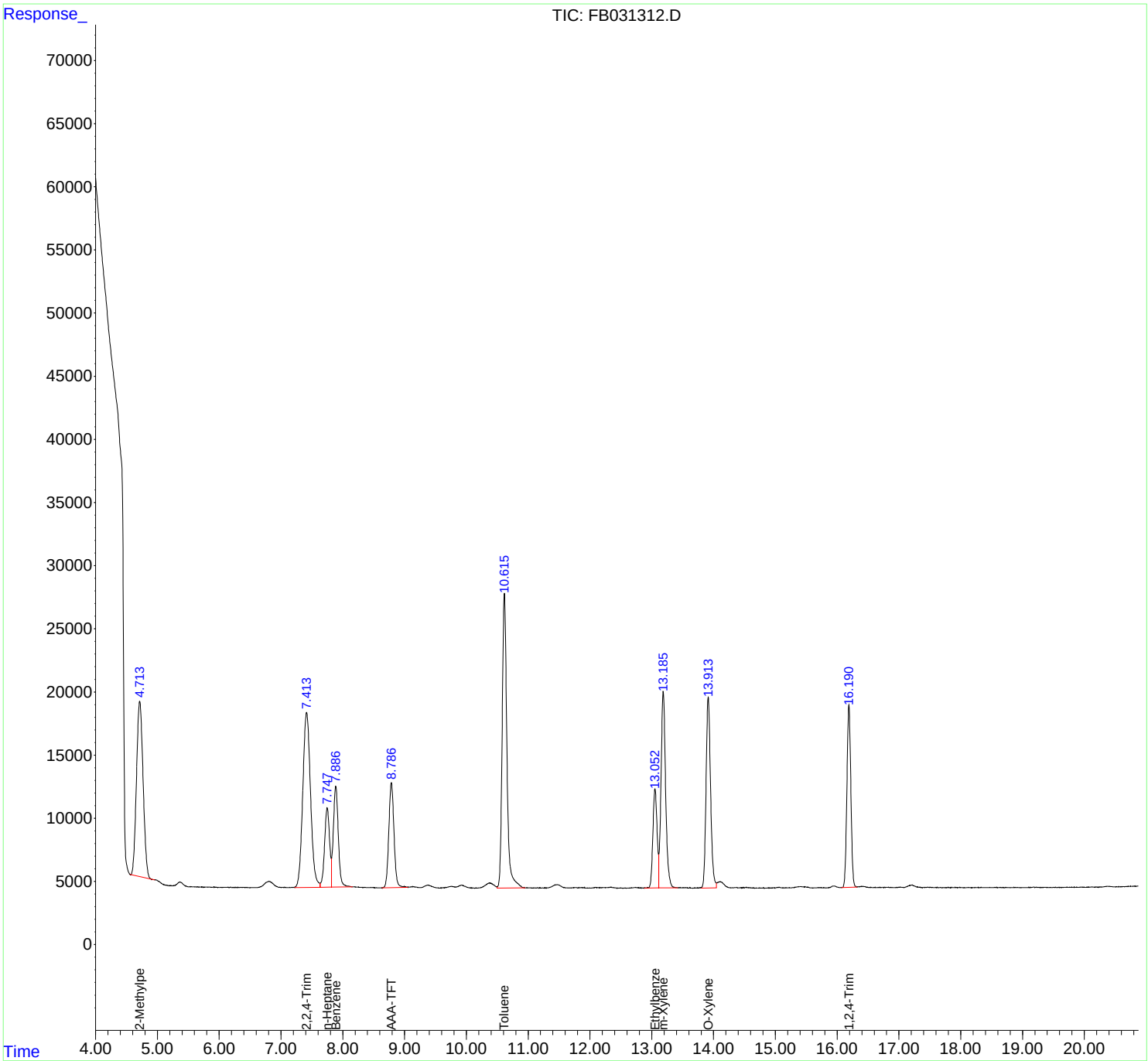
(f)=RT Delta > 1/2 Window (m)=manual int.

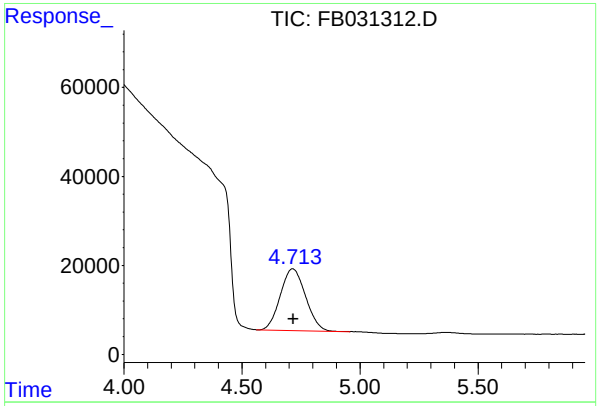
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011525\
Data File : FB031312.D
Signal(s) : FID2B.CH
Acq On : 15 Jan 2025 12:44
Operator : YP/AJ
Sample : FB011525GROICV
Misc :
ALS Vial : 6 Sample Multiplier: 1

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

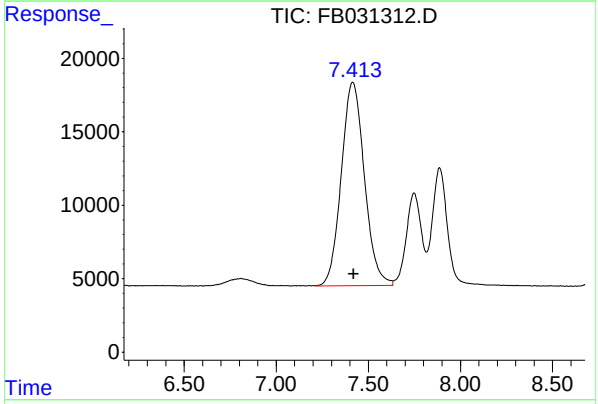




#1 2-Methylpentane

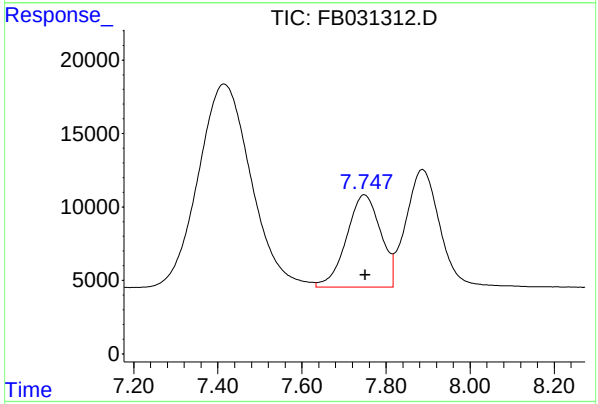
R.T.: 4.715 min
Delta R.T.: -0.003 min
Response: 1029585
Conc: 31.06 ng/ml

Instrument :
FID_B
ClientSampleId :
FB011525GROICV



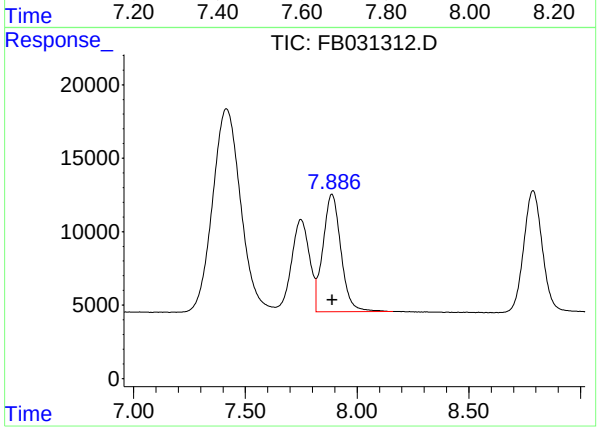
#2 2,2,4-Trimethylpentane

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



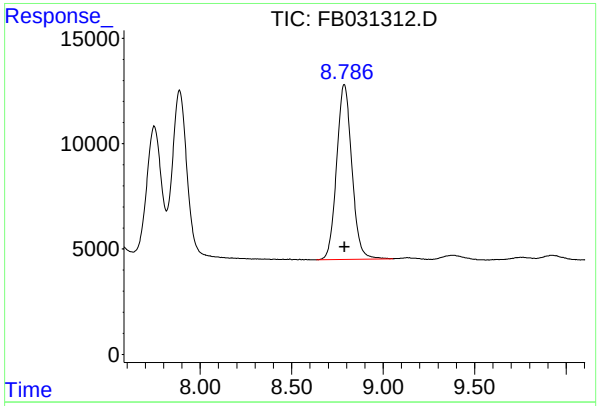
#3 n-Heptane

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



#4 Benzene

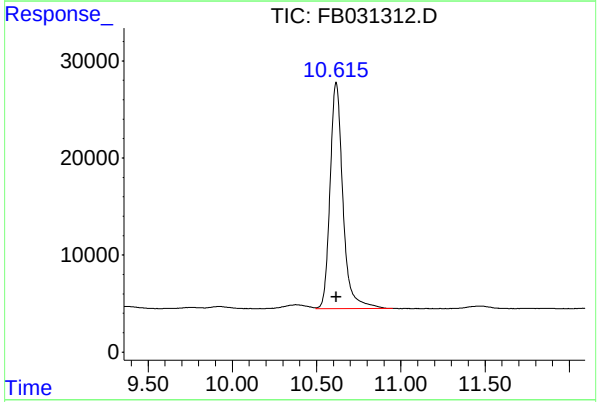
R.T.: 7.887 min
Delta R.T.: -0.003 min
Response: 448910
Conc: 10.54 ng/ml



#5 AAA-TFT

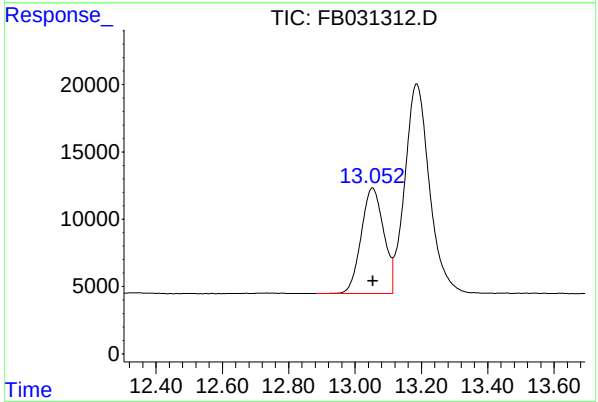
R.T.: 8.788 min
Delta R.T.: -0.002 min
Response: 479840
Conc: 20.12 ng/ml

Instrument :
FID_B
ClientSampleId :
FB011525GROICV



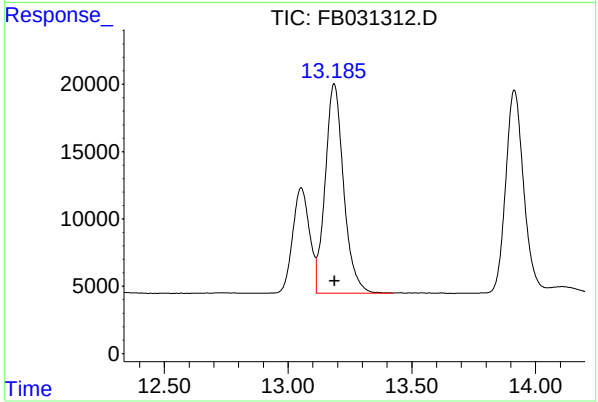
#6 Toluene

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



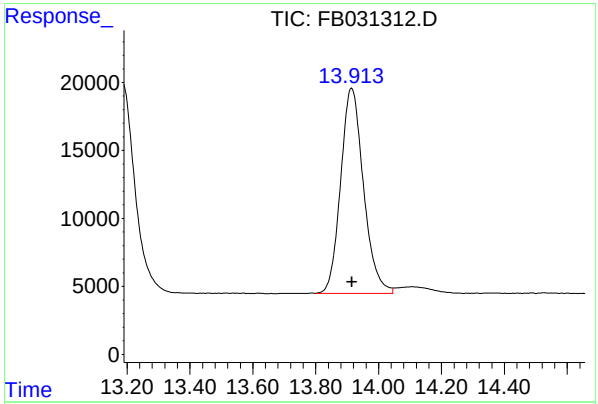
#7 Ethylbenzene

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



#8 m-Xylene

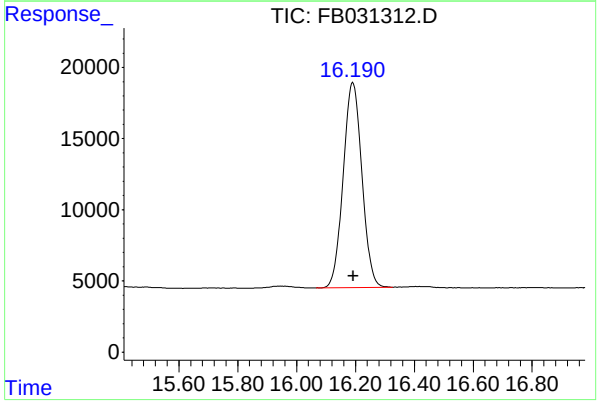
R.T.: 13.186 min
Delta R.T.: -0.002 min
Response: 805181
Conc: 21.54 ng/ml



#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.: Q1232 SAS No.: Q1232 SDG No.: Q1232

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.

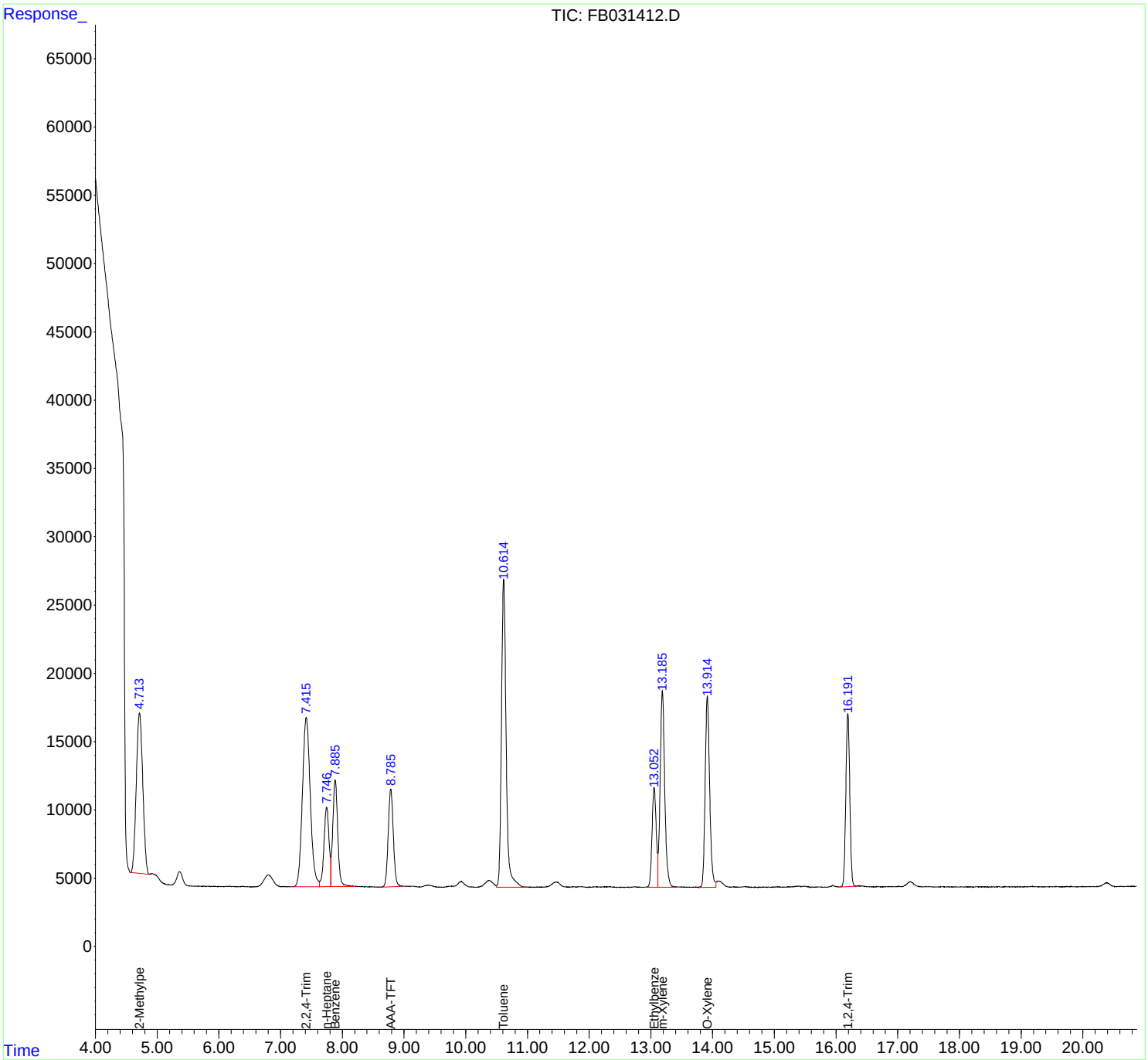
Quantitation Report (QT Reviewed)

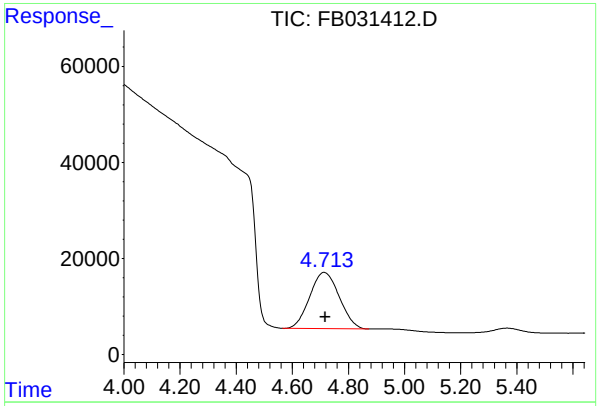
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013125\
Data File : FB031412.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 9:03
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

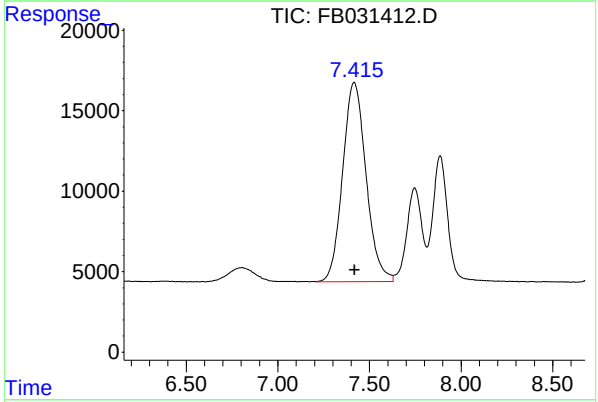




#1 2-Methylpentane

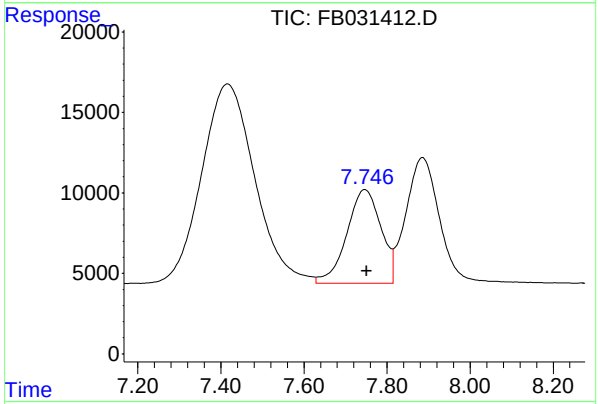
R.T.: 4.714 min
Delta R.T.: -0.004 min
Response: 858048
Conc: 25.89 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



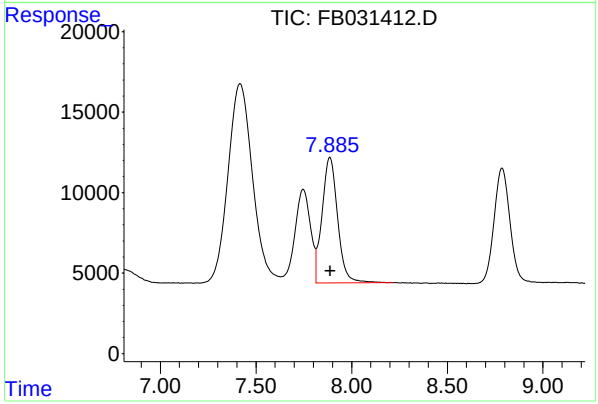
#2 2,2,4-Trimethylpentane

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



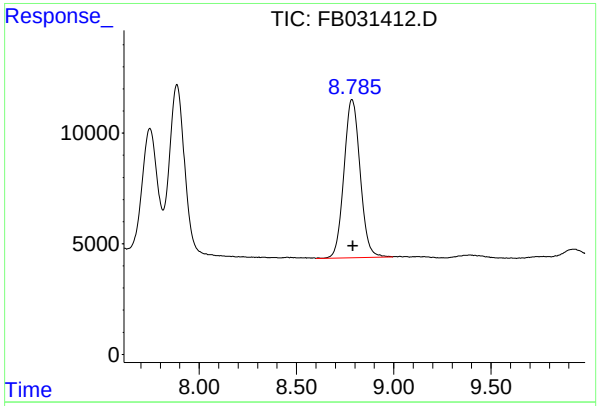
#3 n-Heptane

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



#4 Benzene

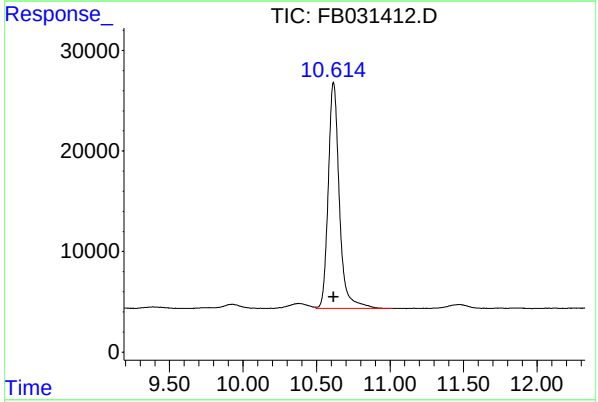
R.T.: 7.886 min
Delta R.T.: -0.004 min
Response: 438204
Conc: 10.29 ng/ml



#5 AAA-TFT

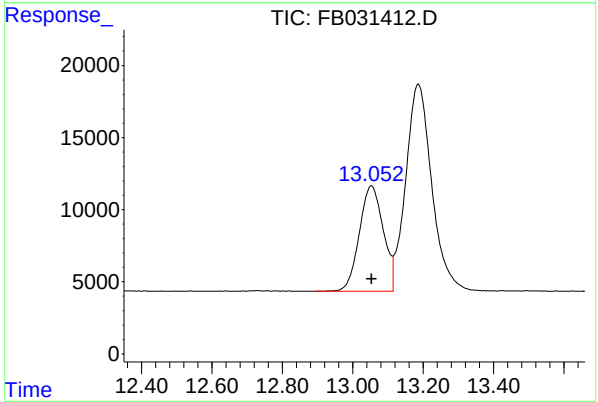
R.T.: 8.786 min
Delta R.T.: -0.004 min
Response: 411370
Conc: 17.25 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



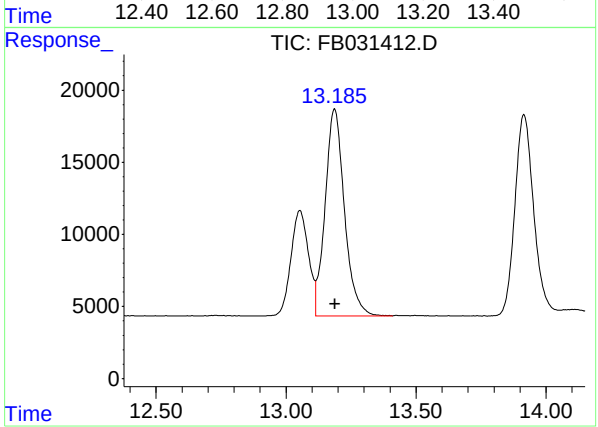
#6 Toluene

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



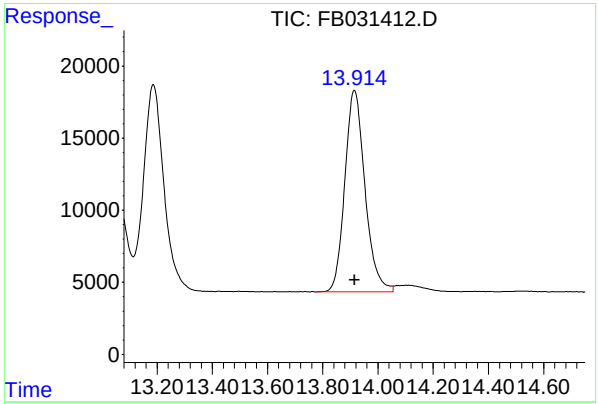
#7 Ethylbenzene

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



#8 m-Xylene

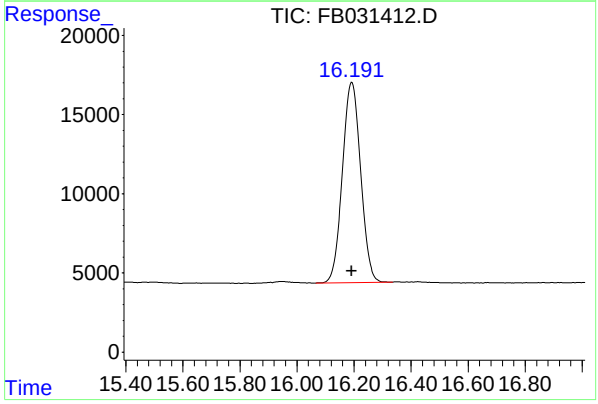
R.T.: 13.187 min
Delta R.T.: -0.001 min
Response: 740500
Conc: 19.81 ng/ml



#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

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.: Q1232 SAS No.: Q1232 SDG No.: Q1232

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

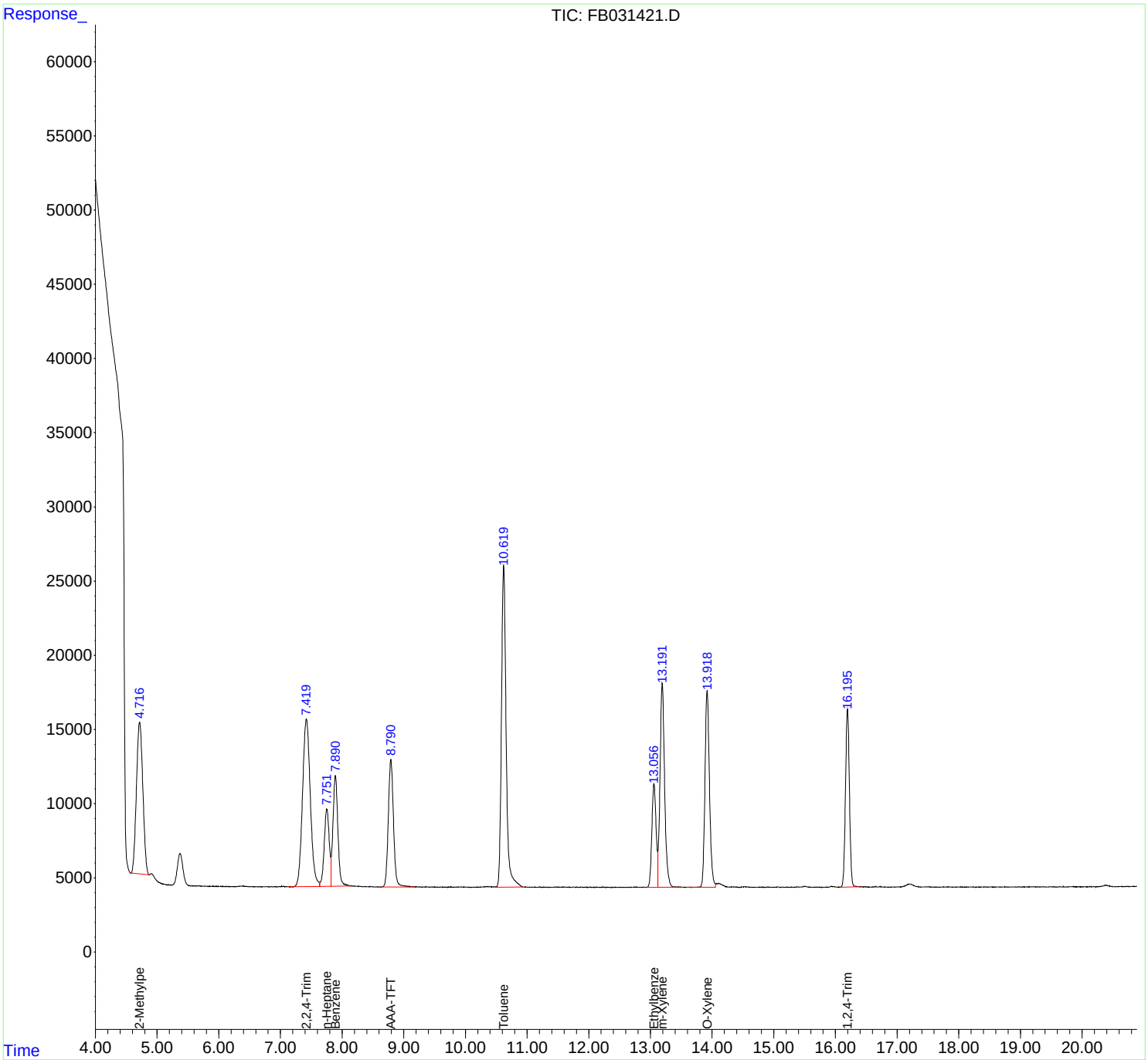
(f)=RT Delta > 1/2 Window (m)=manual int.

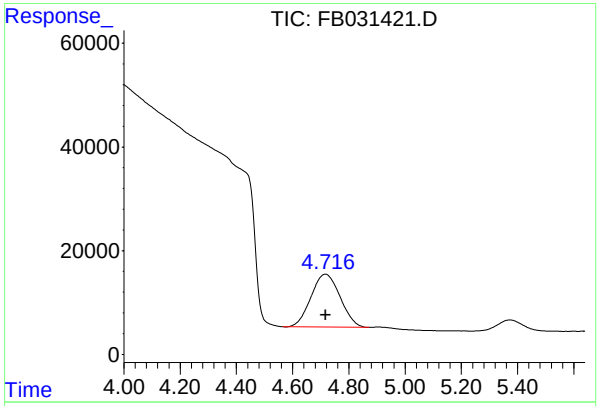
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013125\
Data File : FB031421.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 13:38
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 10 Sample Multiplier: 1

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

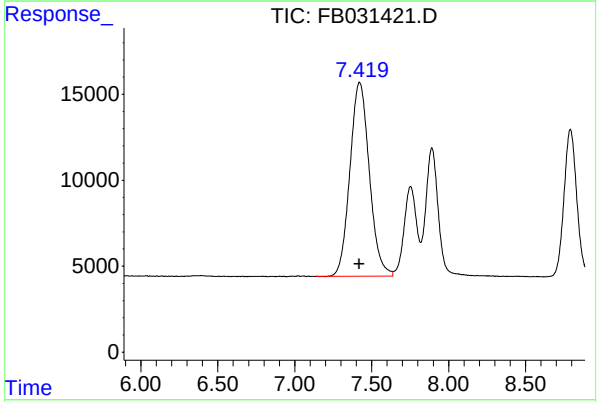




#1 2-Methylpentane

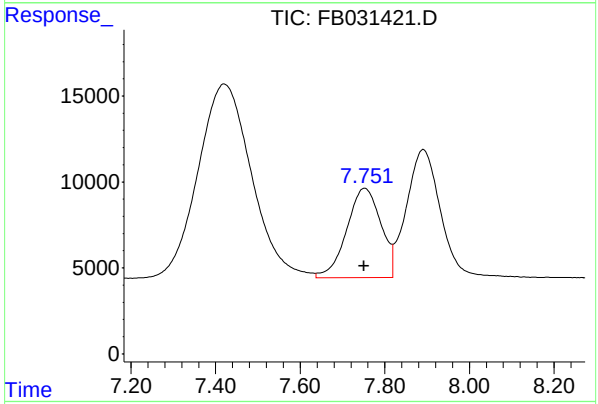
R.T.: 4.717 min
Delta R.T.: 0.000 min
Response: 735152
Conc: 22.18 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



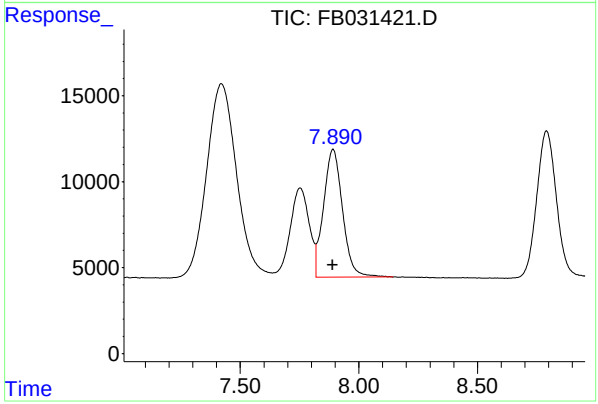
#2 2,2,4-Trimethylpentane

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



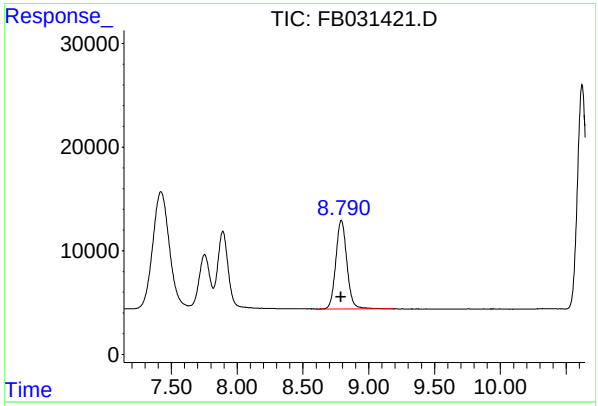
#3 n-Heptane

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



#4 Benzene

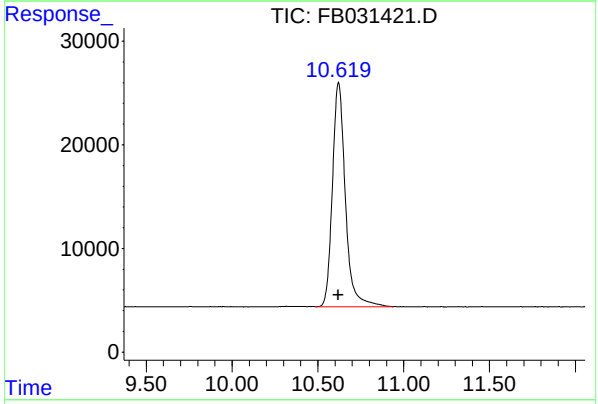
R.T.: 7.891 min
Delta R.T.: 0.002 min
Response: 415541
Conc: 9.76 ng/ml



#5 AAA-TFT

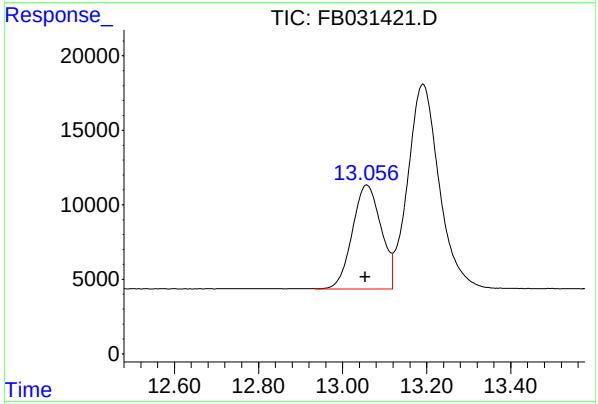
R.T.: 8.791 min
Delta R.T.: 0.002 min
Response: 502716
Conc: 21.08 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



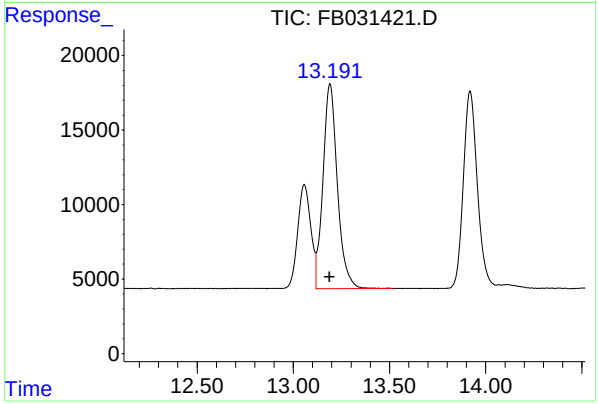
#6 Toluene

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



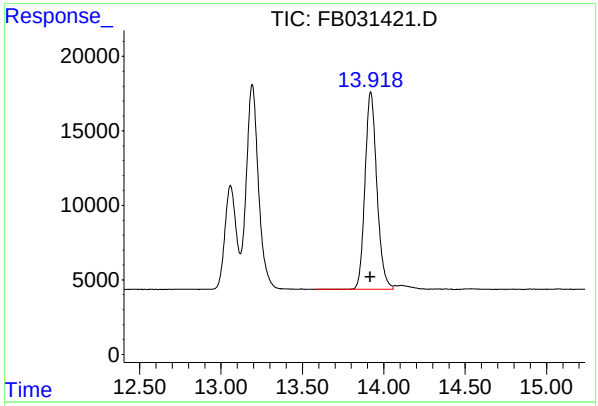
#7 Ethylbenzene

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



#8 m-Xylene

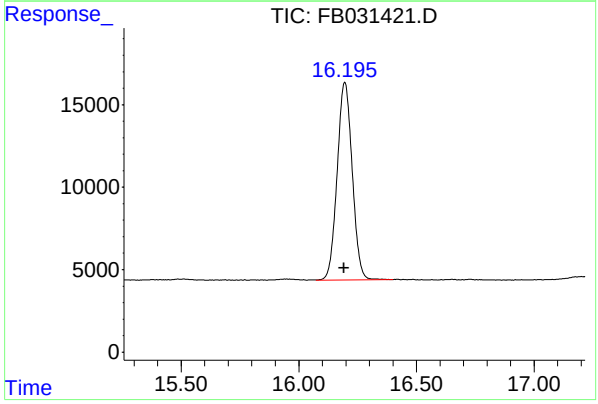
R.T.: 13.192 min
Delta R.T.: 0.004 min
Response: 717104
Conc: 19.18 ng/ml



#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

rteres

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

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.: Q1232 SAS No.: Q1232 SDG No.: Q1232

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

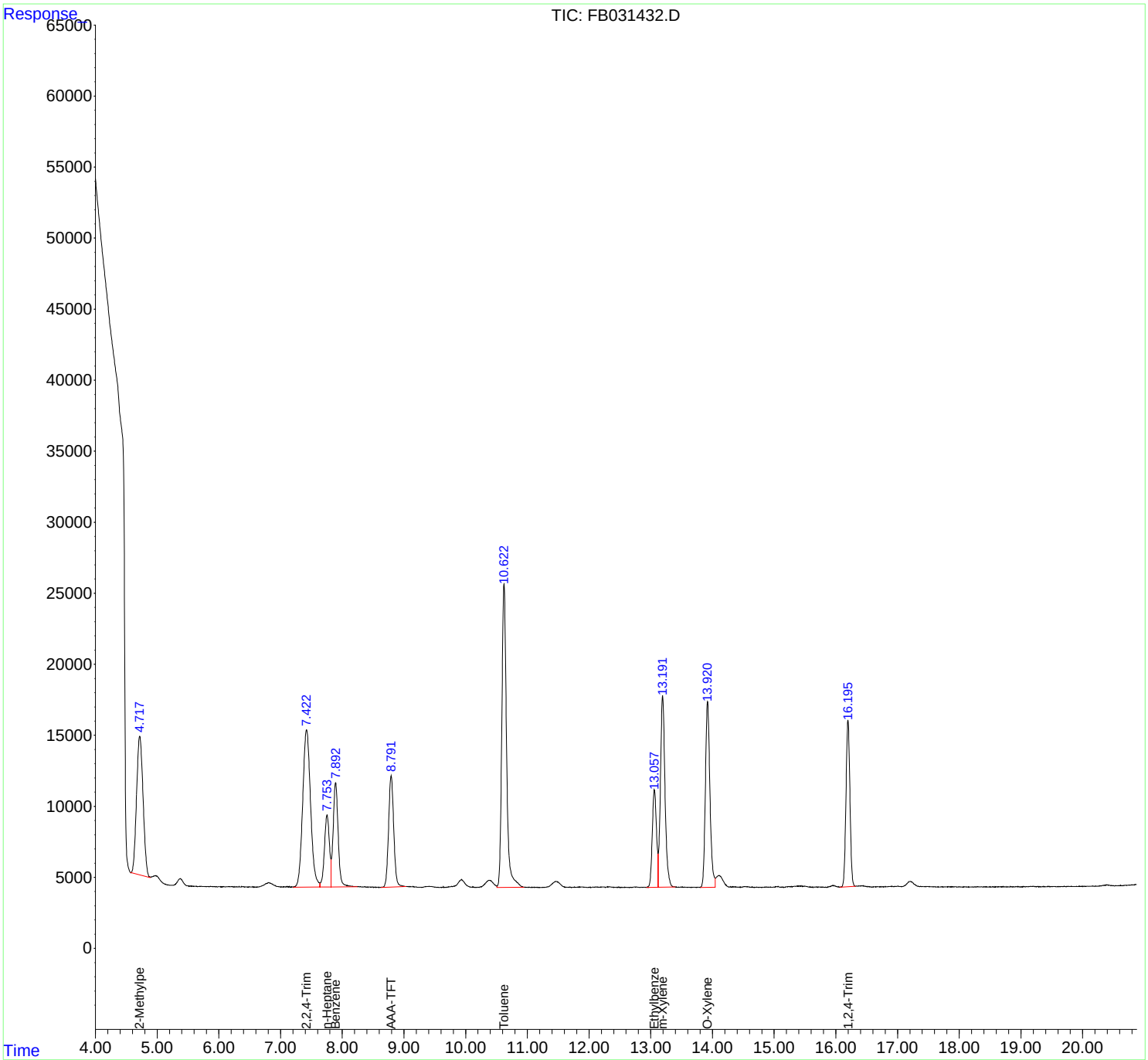
(f)=RT Delta > 1/2 Window (m)=manual int.

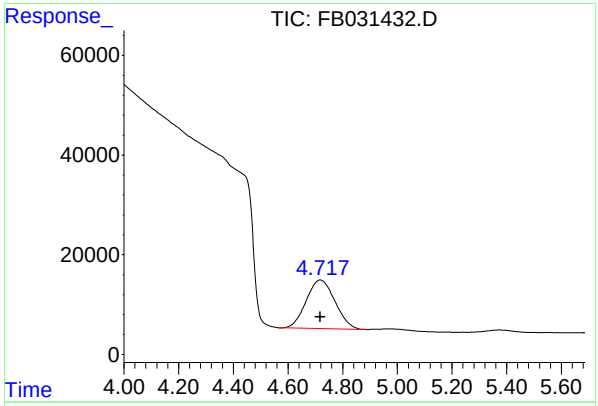
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013125\
Data File : FB031432.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 18:58
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 22 Sample Multiplier: 1

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

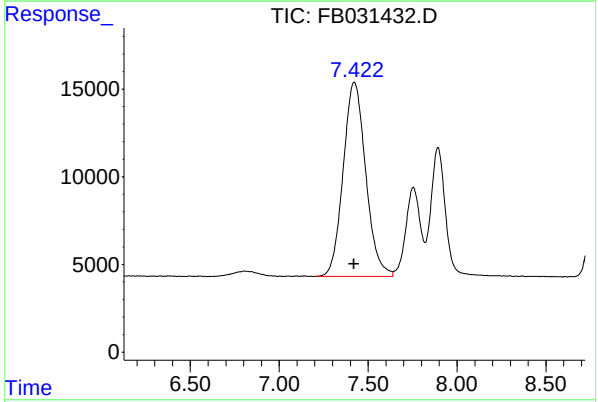




#1 2-Methylpentane

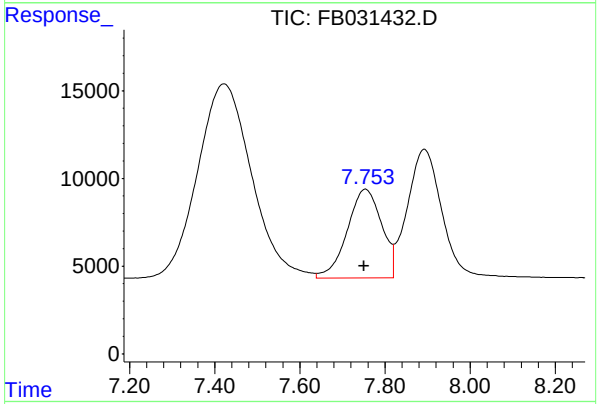
R.T.: 4.718 min
Delta R.T.: 0.000 min
Response: 714491
Conc: 21.56 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



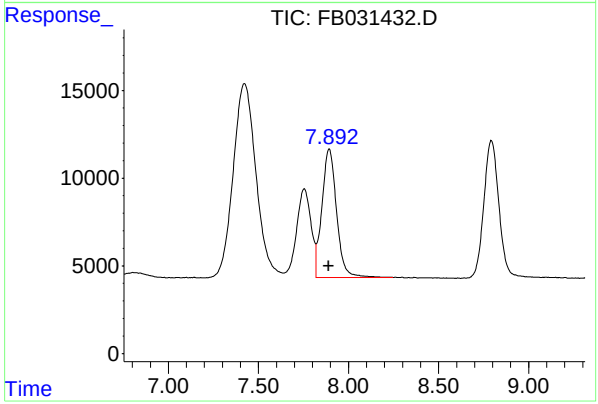
#2 2,2,4-Trimethylpentane

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



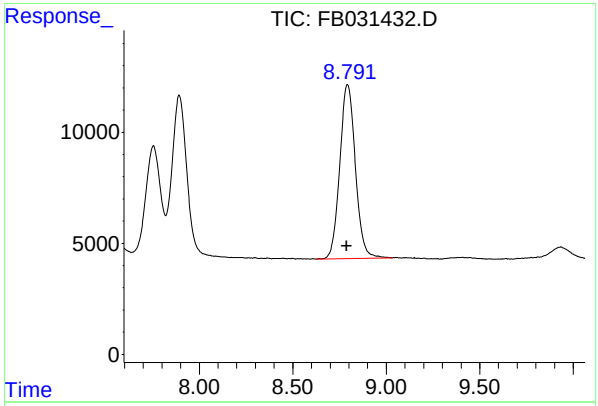
#3 n-Heptane

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



#4 Benzene

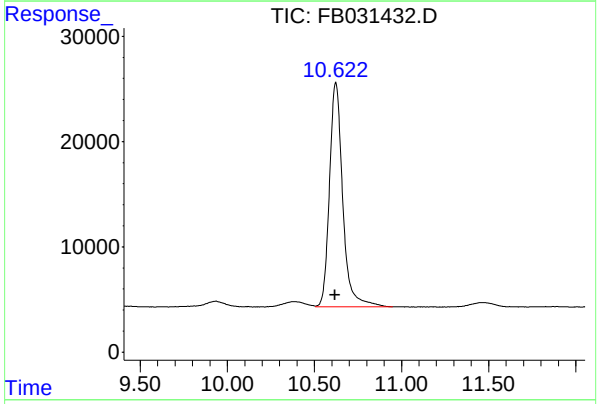
R.T.: 7.893 min
Delta R.T.: 0.003 min
Response: 415623
Conc: 9.76 ng/ml



#5 AAA-TFT

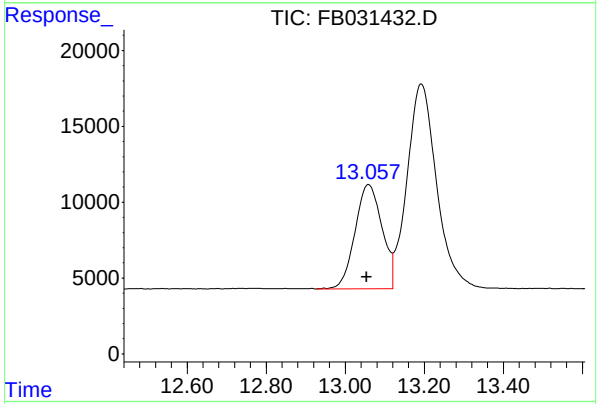
R.T.: 8.793 min
Delta R.T.: 0.003 min
Response: 454503
Conc: 19.05 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



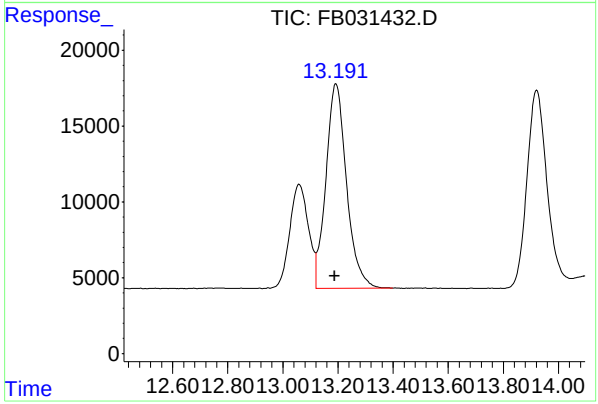
#6 Toluene

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



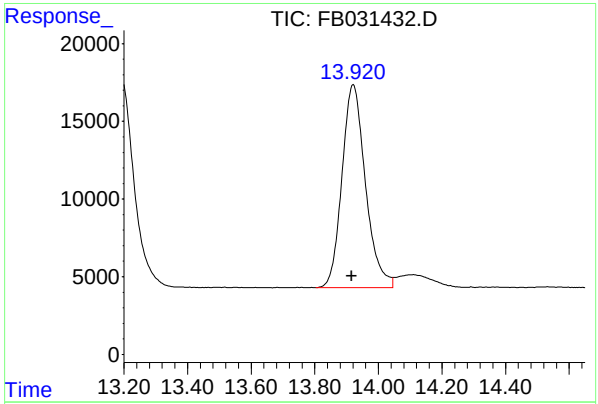
#7 Ethylbenzene

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



#8 m-Xylene

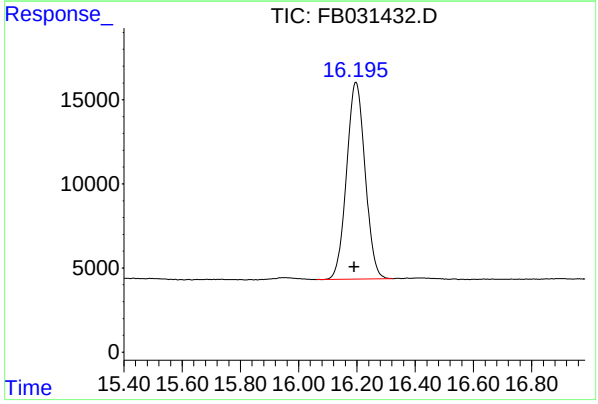
R.T.: 13.193 min
Delta R.T.: 0.005 min
Response: 701131
Conc: 18.76 ng/ml



#9 O-Xylene

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

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



#10 1,2,4-Trimethylbenzene

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

rteres

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

FB011525.M Sat Feb 01 00:52:10 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.: Q1232 SAS No.: Q1232 SDG No.: Q1232

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.

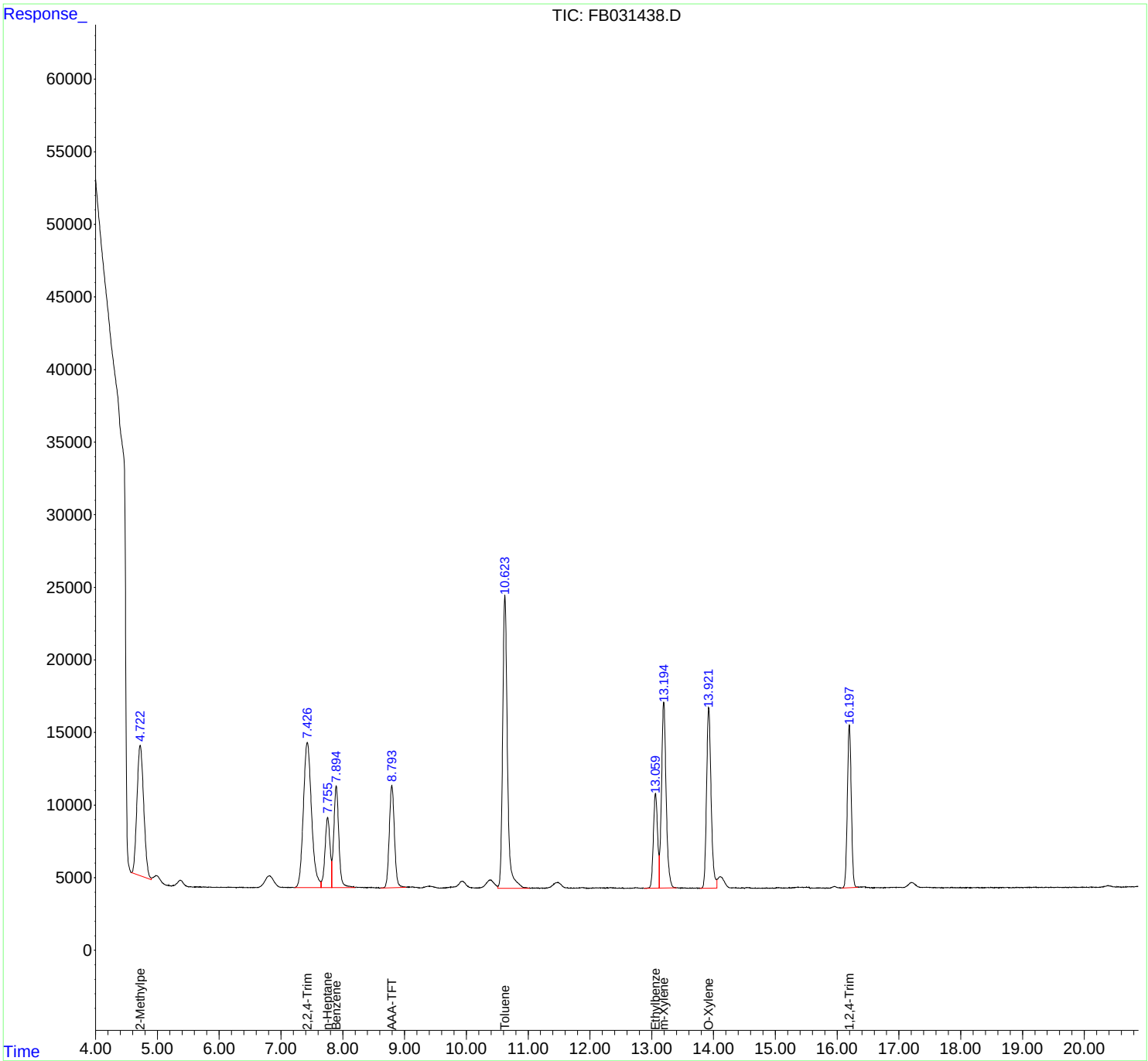
Quantitation Report (QT Reviewed)

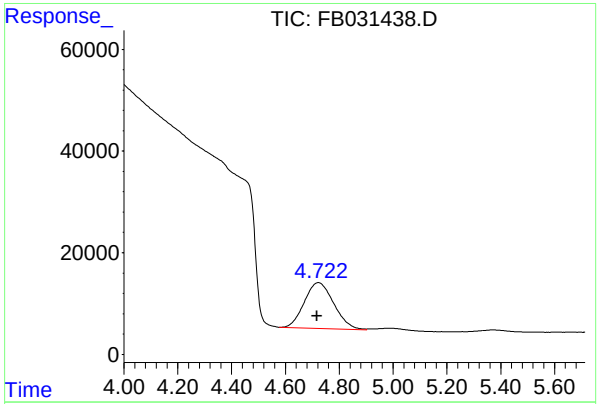
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013125\
Data File : FB031438.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 22:32
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 30 Sample Multiplier: 1

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

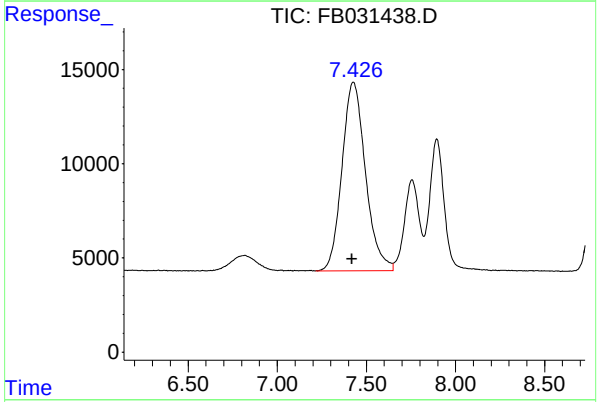




#1 2-Methylpentane

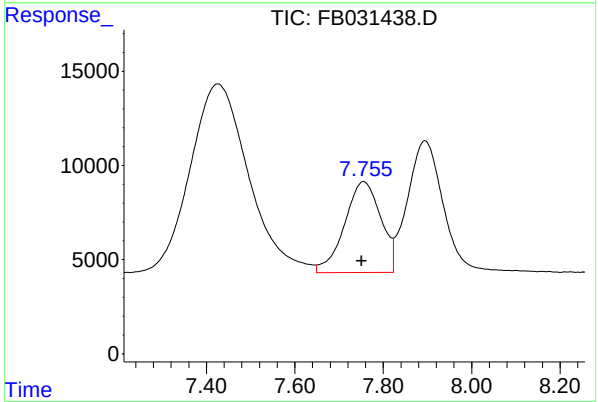
R.T.: 4.723 min
Delta R.T.: 0.005 min
Response: 683012
Conc: 20.61 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



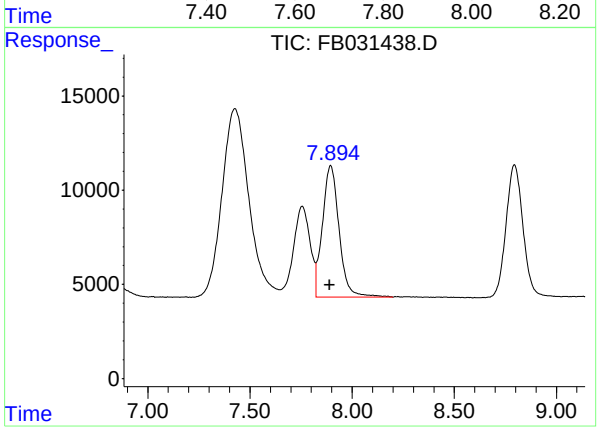
#2 2,2,4-Trimethylpentane

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



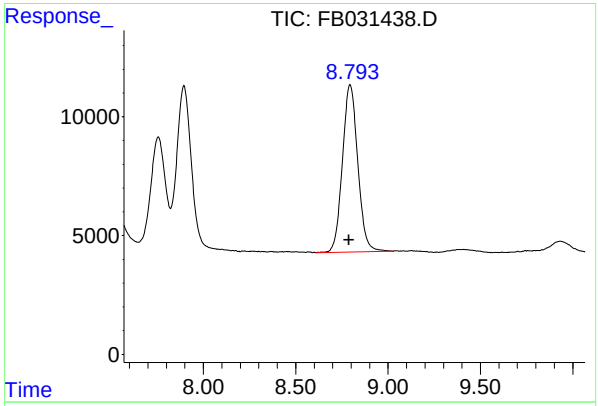
#3 n-Heptane

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



#4 Benzene

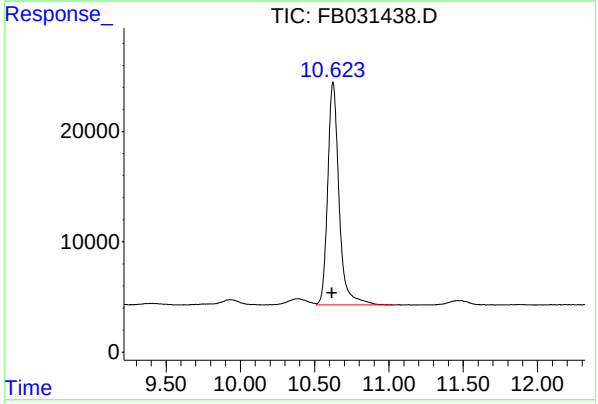
R.T.: 7.895 min
Delta R.T.: 0.005 min
Response: 396808
Conc: 9.32 ng/ml



#5 AAA-TFT

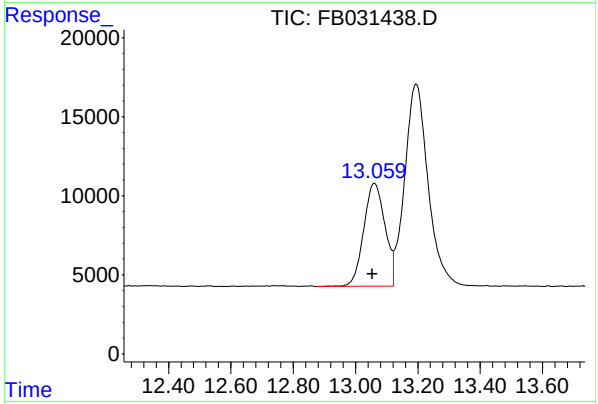
R.T.: 8.794 min
Delta R.T.: 0.005 min
Response: 406606
Conc: 17.05 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



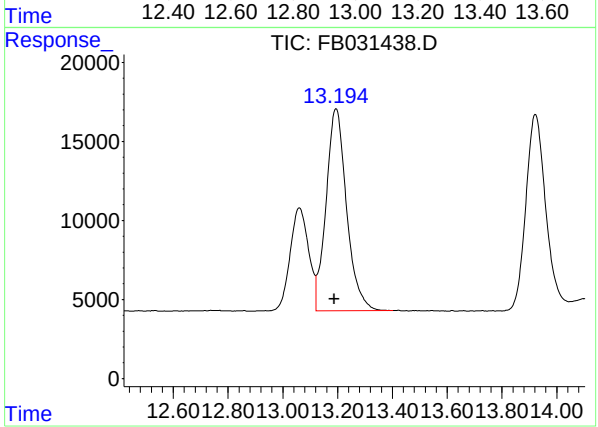
#6 Toluene

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



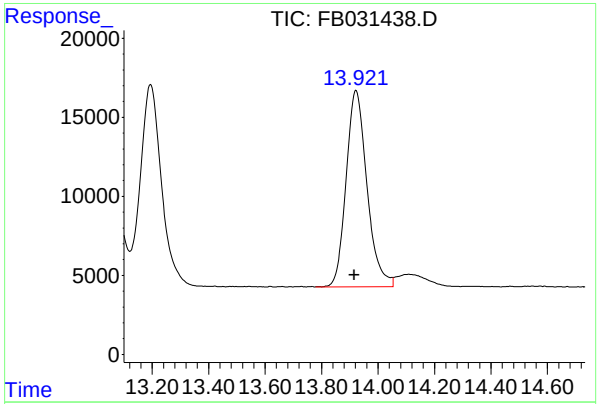
#7 Ethylbenzene

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



#8 m-Xylene

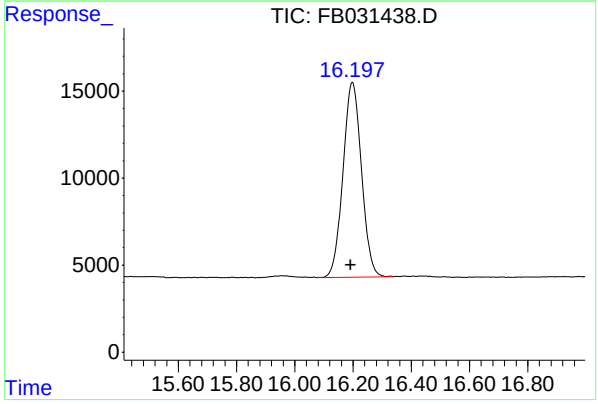
R.T.: 13.195 min
Delta R.T.: 0.007 min
Response: 666898
Conc: 17.84 ng/ml



#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

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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.: Q1232 SAS No.: Q1232 SDG No.: Q1232

DataFile: FB031439.D Analyst Name: YP/AJ Analyst Date: 02-03-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	5240743	29115	35852	18.791

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB020325\
Data File : FB031439.D
Signal(s) : FID2B.CH
Acq On : 3 Feb 2025 11:08
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Feb 04 00:18:08 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	466641	19.563	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.716	581634	17.548	ng/ml
2) t	2,2,4-Trimethylpentane	7.416	861854	22.917	ng/ml
3) t	n-Heptane	7.750	226219	6.267	ng/ml
4) t	Benzene	7.888	368656	8.656	ng/ml
6) t	Toluene	10.617	1033556	26.470	ng/ml
7) t	Ethylbenzene	13.054	313454	9.052	ng/ml
8) t	m-Xylene	13.186	676581	18.100	ng/ml
9) t	O-Xylene	13.914	649107	18.226	ng/ml
10) t	1,2,4-Trimethylbenzene	16.191	529682	18.703	ng/ml

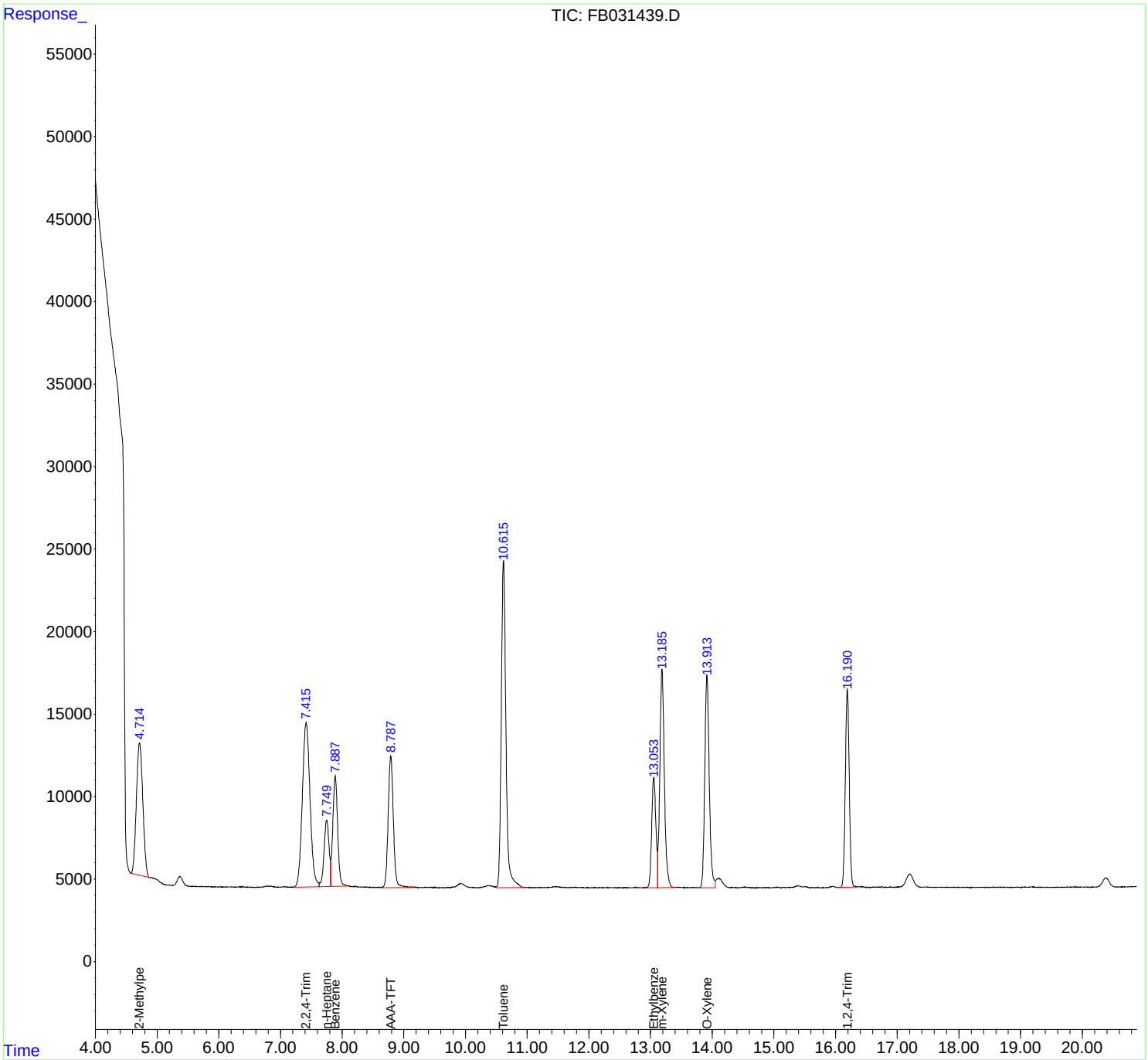
(f)=RT Delta > 1/2 Window (m)=manual int.

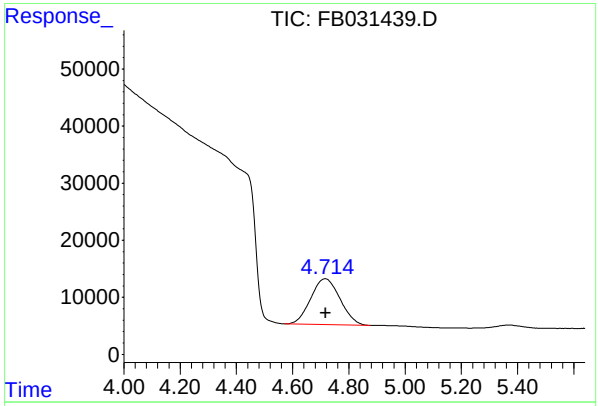
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB020325\
Data File : FB031439.D
Signal(s) : FID2B.CH
Acq On : 3 Feb 2025 11:08
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Feb 04 00:18:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

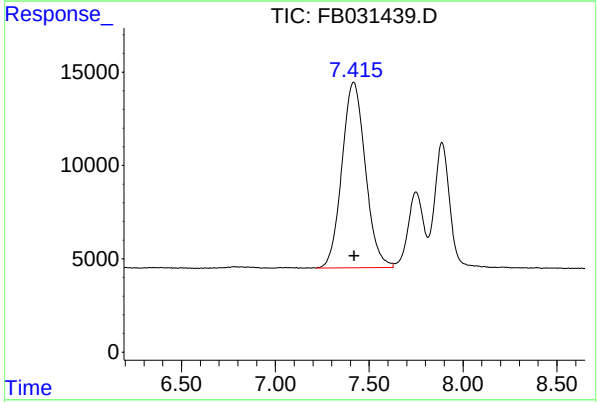




#1 2-Methylpentane

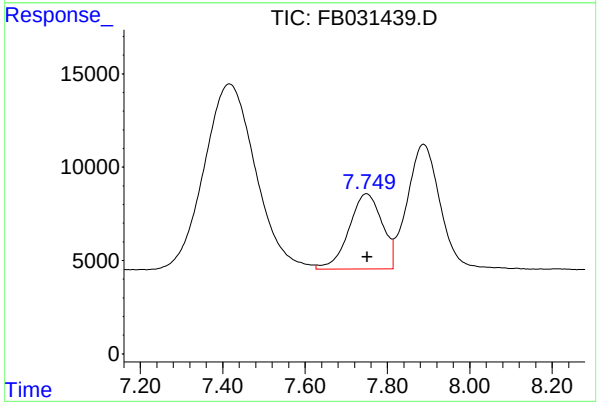
R.T.: 4.716 min
Delta R.T.: -0.002 min
Response: 581634
Conc: 17.55 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



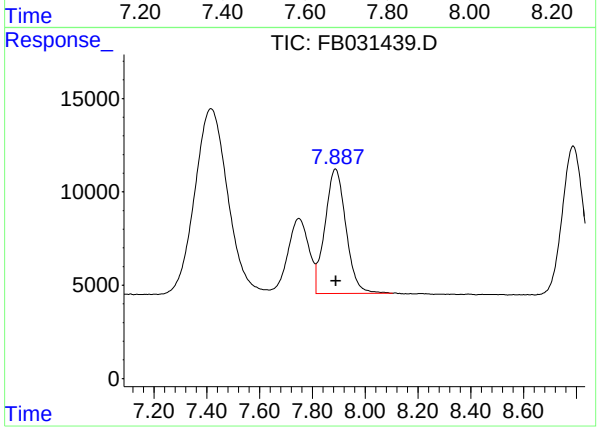
#2 2,2,4-Trimethylpentane

R.T.: 7.416 min
Delta R.T.: -0.003 min
Response: 861854
Conc: 22.92 ng/ml



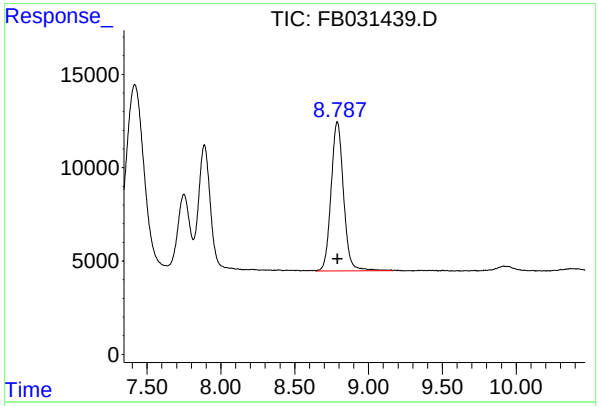
#3 n-Heptane

R.T.: 7.750 min
Delta R.T.: -0.001 min
Response: 226219
Conc: 6.27 ng/ml



#4 Benzene

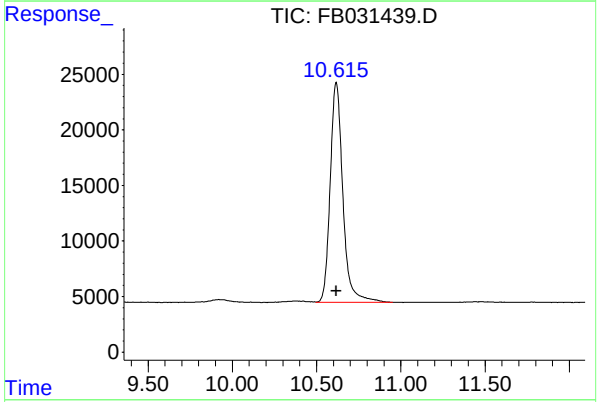
R.T.: 7.888 min
Delta R.T.: -0.002 min
Response: 368656
Conc: 8.66 ng/ml



#5 AAA-TFT

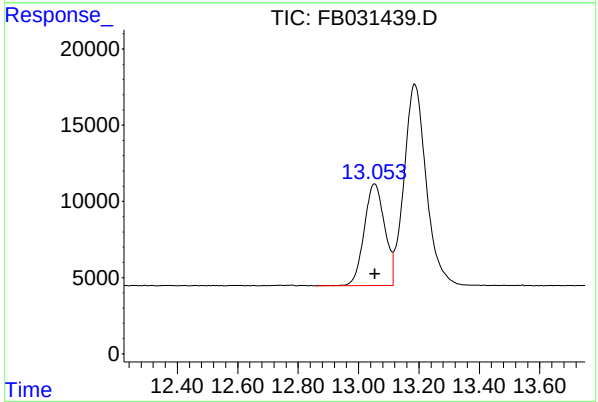
R.T.: 8.789 min
Delta R.T.: -0.001 min
Response: 466641
Conc: 19.56 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



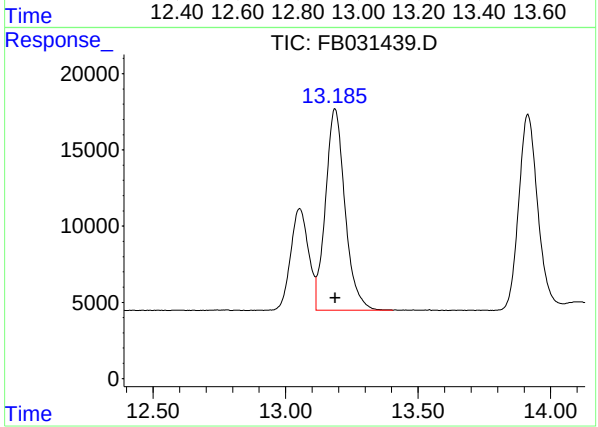
#6 Toluene

R.T.: 10.617 min
Delta R.T.: 0.000 min
Response: 1033556
Conc: 26.47 ng/ml



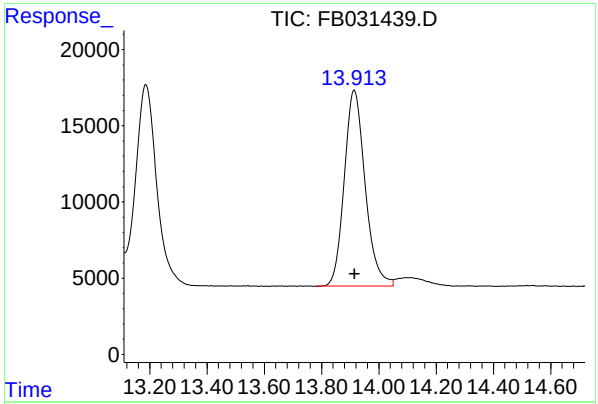
#7 Ethylbenzene

R.T.: 13.054 min
Delta R.T.: 0.000 min
Response: 313454
Conc: 9.05 ng/ml



#8 m-Xylene

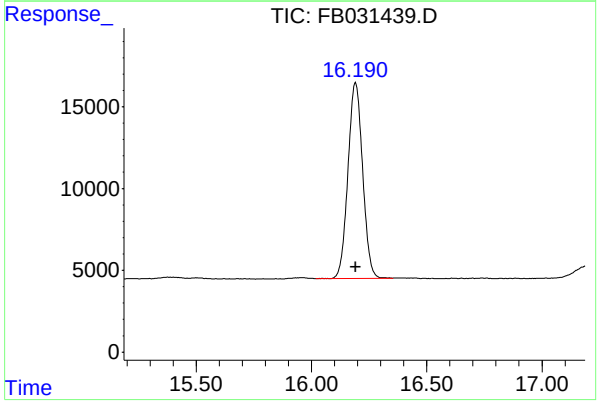
R.T.: 13.186 min
Delta R.T.: -0.002 min
Response: 676581
Conc: 18.10 ng/ml



#9 O-Xylene

R.T.: 13.914 min
Delta R.T.: -0.001 min
Response: 649107
Conc: 18.23 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



#10 1,2,4-Trimethylbenzene

R.T.: 16.191 min
Delta R.T.: -0.001 min
Response: 529682
Conc: 18.70 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB020325\
Data File : FB031439.D
Signal(s) : FID2B.CH
Acq On : 3 Feb 2025 11:08
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: Calibration.e

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

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.716	4.571	4.877	BV	8031	581634	56.28%	10.191%
2	7.416	7.217	7.626	PV	9946	861854	83.39%	15.101%
3	7.750	7.626	7.814	VV	4035	226219	21.89%	3.964%
4	7.888	7.814	8.105	VV	6677	368656	35.67%	6.459%
5	8.789	8.645	9.166	PV	7983	466641	45.15%	8.176%
6	10.617	10.496	10.953	VV	19821	1033556	100.00%	18.109%
7	13.054	12.859	13.114	BV	6687	313454	30.33%	5.492%
8	13.186	13.114	13.405	VV	13226	676581	65.46%	11.854%
9	13.914	13.781	14.050	BV	12865	649107	62.80%	11.373%
10	16.191	16.018	16.352	PV	11992	529682	51.25%	9.281%

Sum of corrected areas: 5707387

FB011525.M Tue Feb 04 00:36:27 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.: Q1232 SAS No.: Q1232 SDG No.: Q1232

DataFile: FB031448.D Analyst Name: YP/AJ Analyst Date: 02-03-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	5465969	30366	35852	15.302

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB020325\
Data File : FB031448.D
Signal(s) : FID2B.CH
Acq On : 3 Feb 2025 15:34
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025

Integration File: Calibration.e
Quant Time: Feb 04 00:19:55 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	454659	19.061	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.720	626315	18.896	ng/ml
2) t	2,2,4-Trimethylpentane	7.422	874527	23.254	ng/mlm
3) t	n-Heptane	7.753	265070	7.343	ng/ml
4) t	Benzene	7.892	395019	9.275	ng/ml
6) t	Toluene	10.621	1103370	28.258	ng/ml
7) t	Ethylbenzene	13.057	322140	9.303	ng/ml
8) t	m-Xylene	13.191	694396	18.577	ng/ml
9) t	O-Xylene	13.920	660948	18.559	ng/ml
10) t	1,2,4-Trimethylbenzene	16.195	524184	18.509	ng/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB020325\
Data File : FB031448.D
Signal(s) : FID2B.CH
Acq On : 3 Feb 2025 15:34
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 10 Sample Multiplier: 1

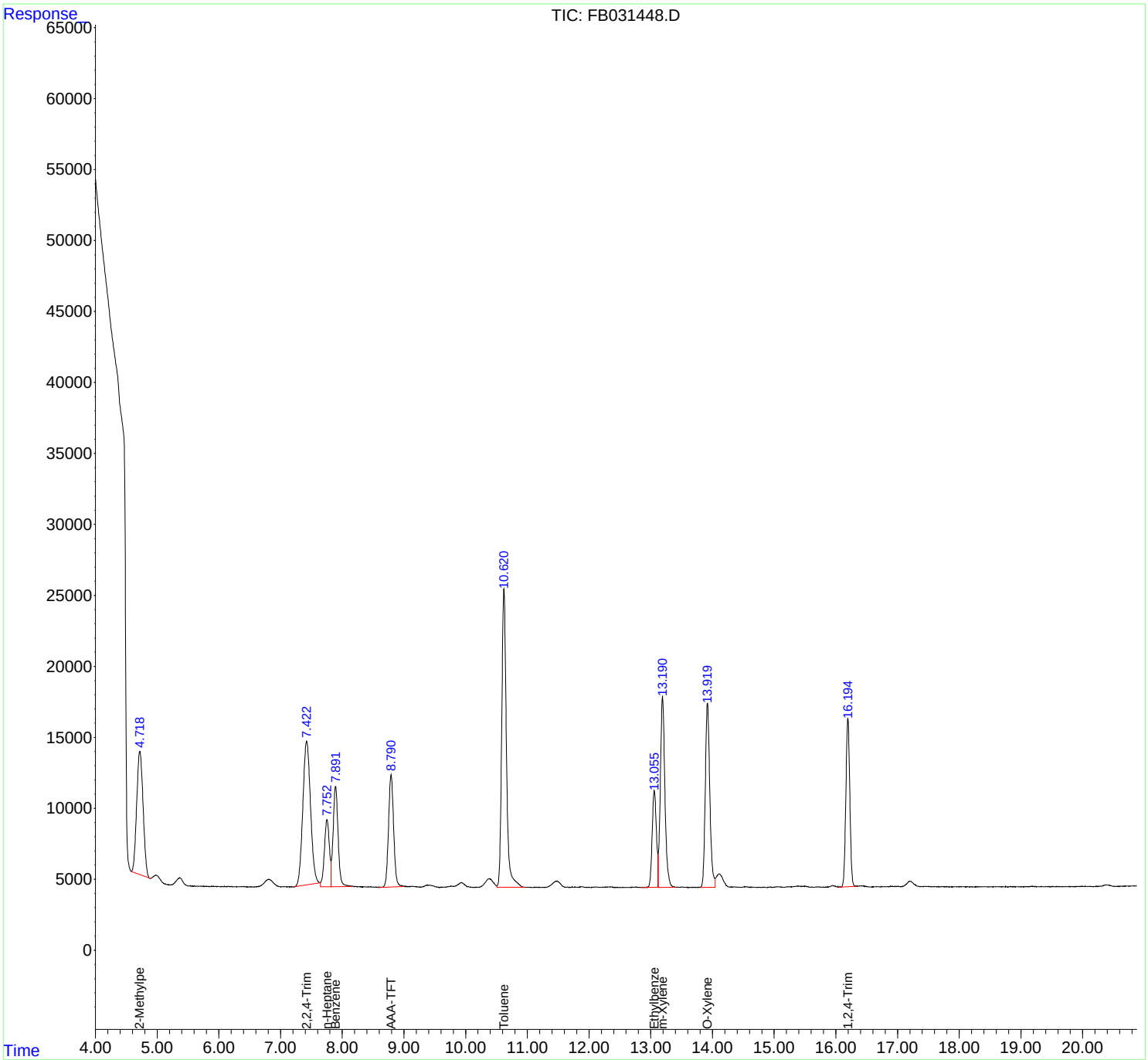
Integration File: Calibration.e
Quant Time: Feb 04 00:19:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

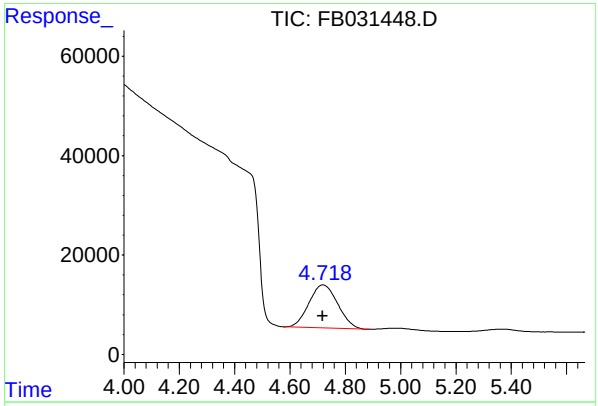
Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025





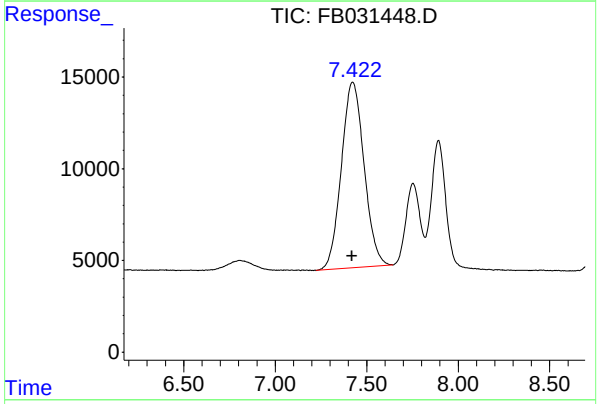
#1 2-Methylpentane

R.T.: 4.720 min
Delta R.T.: 0.002 min
Response: 626315
Conc: 18.90 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

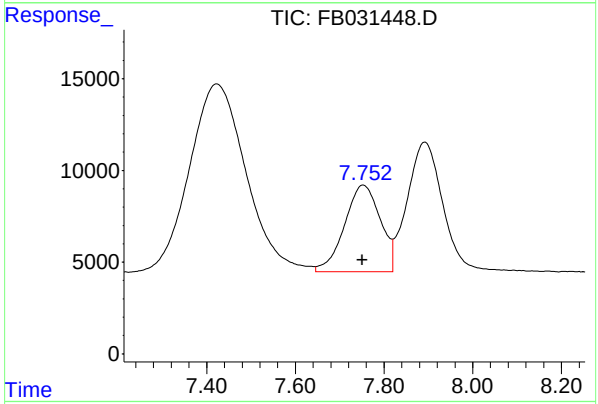
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025



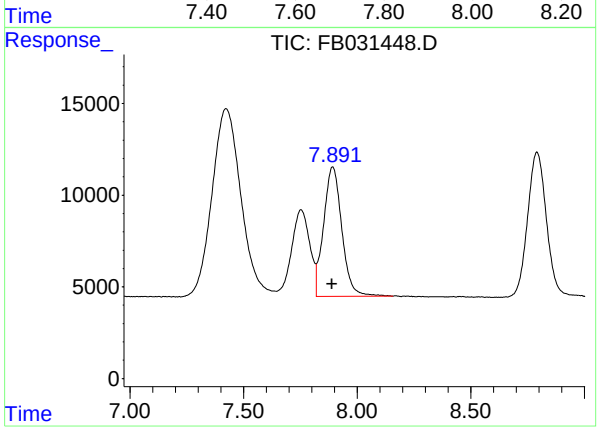
#2 2,2,4-Trimethylpentane

R.T.: 7.422 min
Delta R.T.: 0.002 min
Response: 874527
Conc: 23.25 ng/ml m



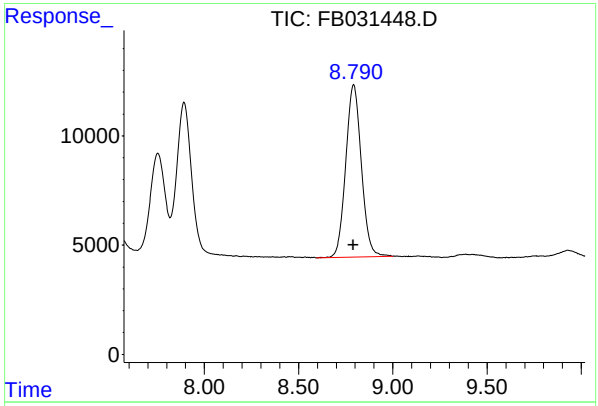
#3 n-Heptane

R.T.: 7.753 min
Delta R.T.: 0.002 min
Response: 265070
Conc: 7.34 ng/ml



#4 Benzene

R.T.: 7.892 min
Delta R.T.: 0.003 min
Response: 395019
Conc: 9.27 ng/ml



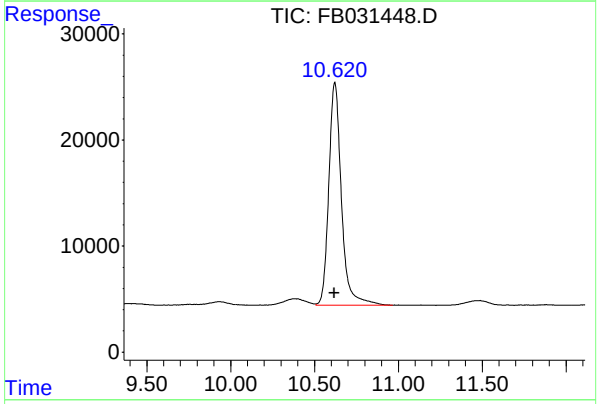
#5 AAA-TFT

R.T.: 8.792 min
Delta R.T.: 0.002 min
Response: 454659
Conc: 19.06 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

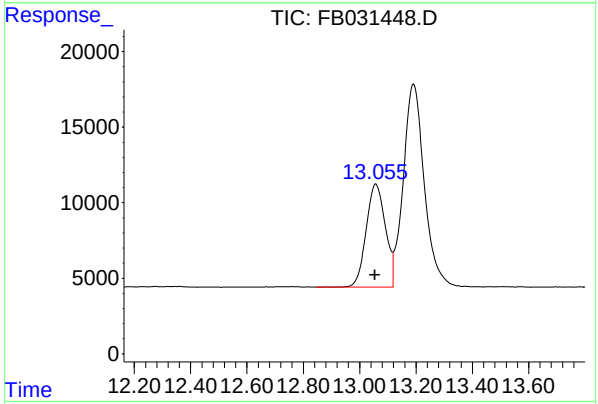
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025



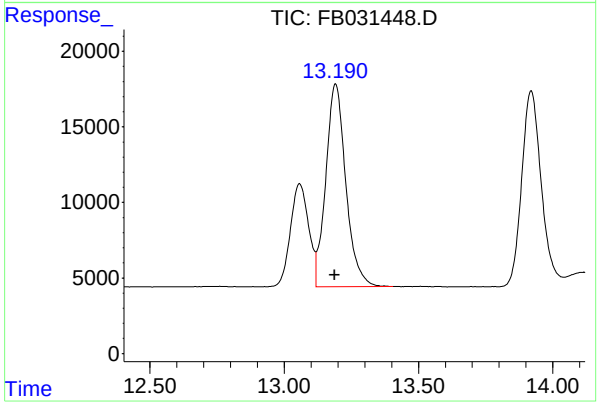
#6 Toluene

R.T.: 10.621 min
Delta R.T.: 0.004 min
Response: 1103370
Conc: 28.26 ng/ml



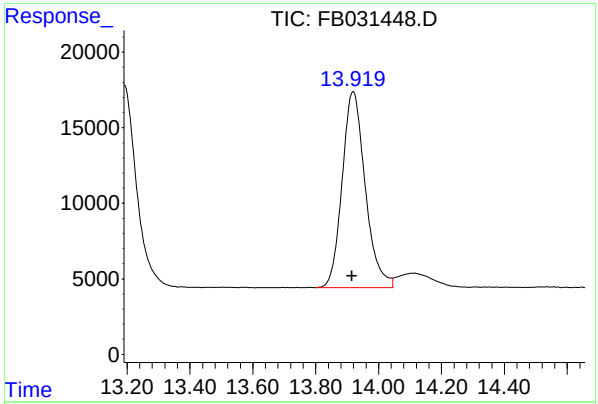
#7 Ethylbenzene

R.T.: 13.057 min
Delta R.T.: 0.003 min
Response: 322140
Conc: 9.30 ng/ml



#8 m-Xylene

R.T.: 13.191 min
Delta R.T.: 0.003 min
Response: 694396
Conc: 18.58 ng/ml



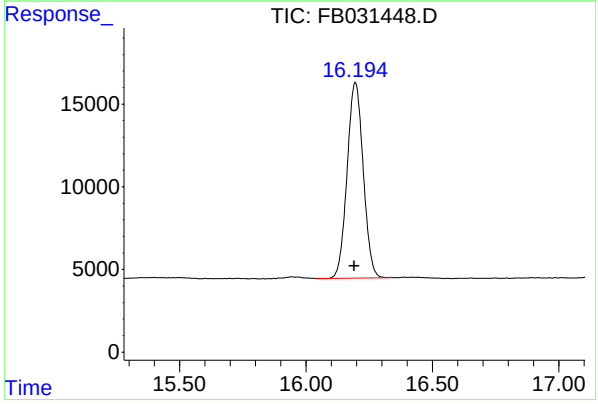
#9 O-Xylene

R.T.: 13.920 min
Delta R.T.: 0.004 min
Response: 660948
Conc: 18.56 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025



#10 1,2,4-Trimethylbenzene

R.T.: 16.195 min
Delta R.T.: 0.003 min
Response: 524184
Conc: 18.51 ng/ml

Instrument :
FID_B
LabSampleId :
20 PPB GRO STD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB02032
Data File : FB031448.D
Signal(s) : FID2B.CH
Acq On : 3 Feb 2025 15:34
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	4.720	4.576	4.888	BV	8686	626315	56.76%	10.515%
2	7.423	7.226	7.646	PV	10263	910579	82.53%	15.287%
3	7.754	7.646	7.819	VV	4730	265070	24.02%	4.450%
4	7.892	7.819	8.158	VV	7065	395019	35.80%	6.632%
5	8.792	8.593	9.002	PV	7896	454659	41.21%	7.633%
6	10.621	10.508	10.967	VV	21019	1103370	100.00%	18.523%
7	13.057	12.845	13.118	BV	6828	322140	29.20%	5.408%
8	13.191	13.118	13.405	VV	13431	694396	62.93%	11.657%
9	13.920	13.800	14.045	PV	12971	660948	59.90%	11.096%
10	16.195	16.040	16.344	PV	11848	524184	47.51%	8.800%

Sum of corrected areas: 5956681

FB011525.M Tue Feb 04 00:39:13 2025

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

Analytical Sequence

Client: RU2 Engineering, LLC **SDG No.:** Q1232

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	
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	
20 PPB GRO STD	20 PPB GRO STD	31 Jan 2025 18:58	FB031432.D	8.793	
JPP-46.2-012925	Q1232-01	31 Jan 2025 20:45	FB031435.D	8.794	
20 PPB GRO STD	20 PPB GRO STD	31 Jan 2025 22:32	FB031438.D	8.794	
20 PPB GRO STD	20 PPB GRO STD	3 Feb 2025 11:08	FB031439.D	8.789	
VBF0203S1	VBF0203S1	3 Feb 2025 11:47	FB031440.D	8.789	
BSF0203S1	BSF0203S1	3 Feb 2025 12:40	FB031442.D	8.792	
JPP-46.1-012925	Q1232-05	3 Feb 2025 13:20	FB031443.D	8.791	
JPP-42.1-012925	Q1232-09	3 Feb 2025 13:47	FB031444.D	8.792	
JPP-42.2-012925	Q1232-13	3 Feb 2025 14:14	FB031445.D	8.793	
JPP-51.1-012925	Q1232-17	3 Feb 2025 14:40	FB031446.D	8.792	
20 PPB GRO STD	20 PPB GRO STD	3 Feb 2025 15:34	FB031448.D	8.792	

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

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

QC SAMPLE DATA

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	VBF0131S1	SDG No.:	Q1232
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				

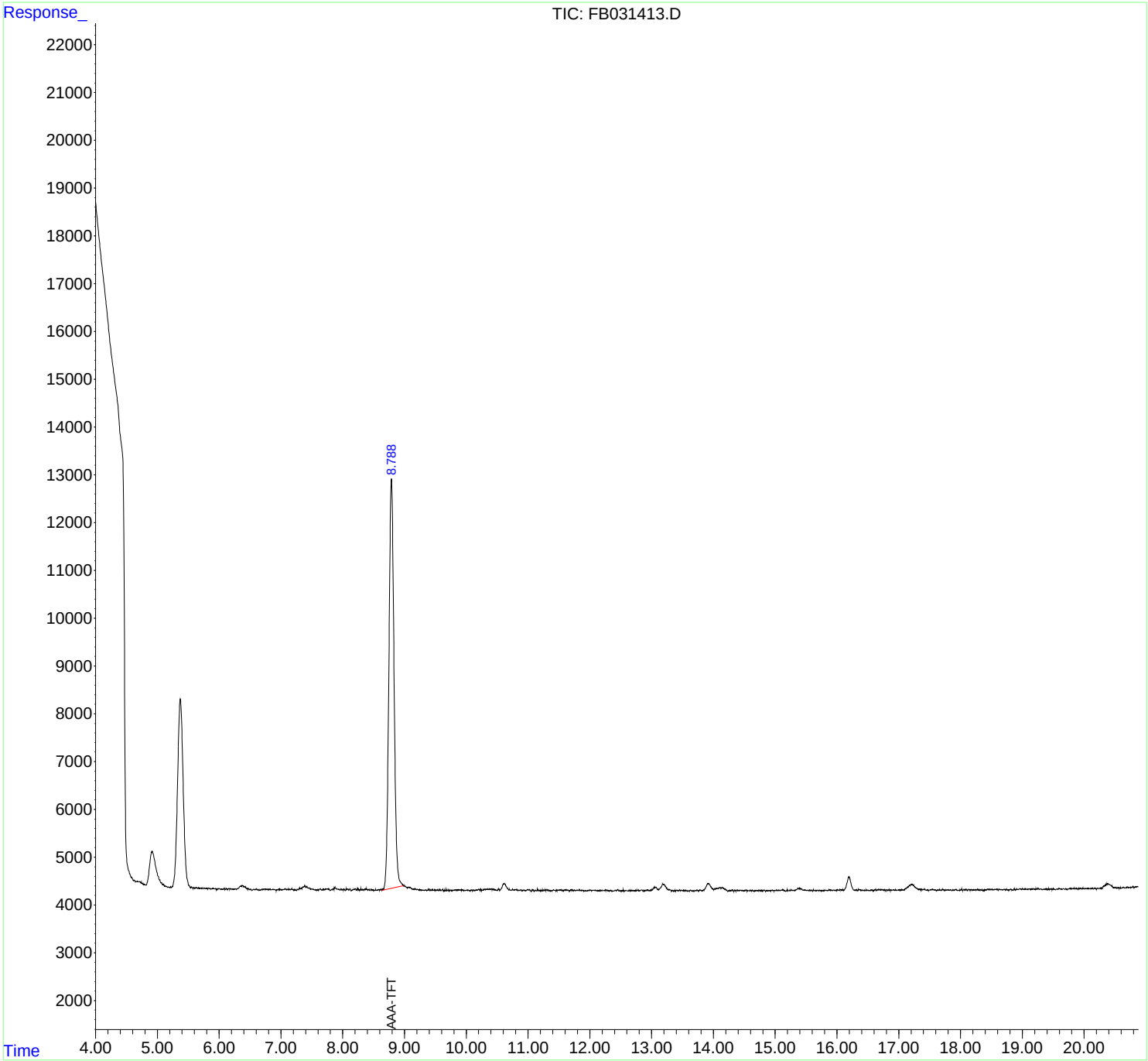
(f)=RT Delta > 1/2 Window (m)=manual int.

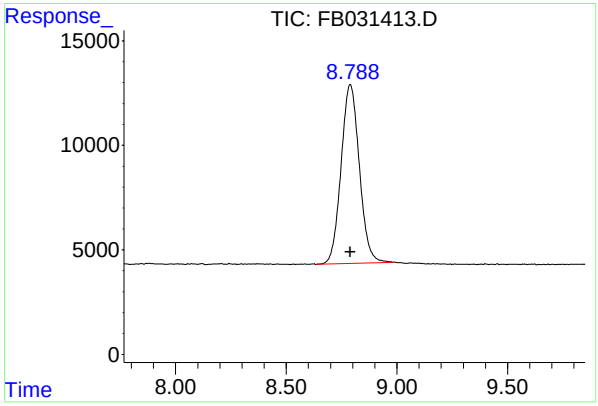
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013125\
Data File : FB031413.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 9:41
Operator : YP/AJ
Sample : VBF0131S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 2 Sample Multiplier: 1

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 mir
Response: 491120
Conc: 20.59 ng/m

Instrument :
FID_B
ClientSampleId :
VBF0131S1

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

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:	VBF0203S1	SDG No.:	Q1232
Lab Sample ID:	VBF0203S1	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
FB031440.D	1	02/03/25 11:47	FB020325

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	18.5		50 - 150	92%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB020325\
Data File : FB031440.D
Signal(s) : FID2B.CH
Acq On : 3 Feb 2025 11:47
Operator : YP/AJ
Sample : VBF0203S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0203S1

Integration File: Calibration.e
Quant Time: Feb 04 00:18:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
5) s AAA-TFT	8.789	440367	18.462 ng/ml
Target Compounds			

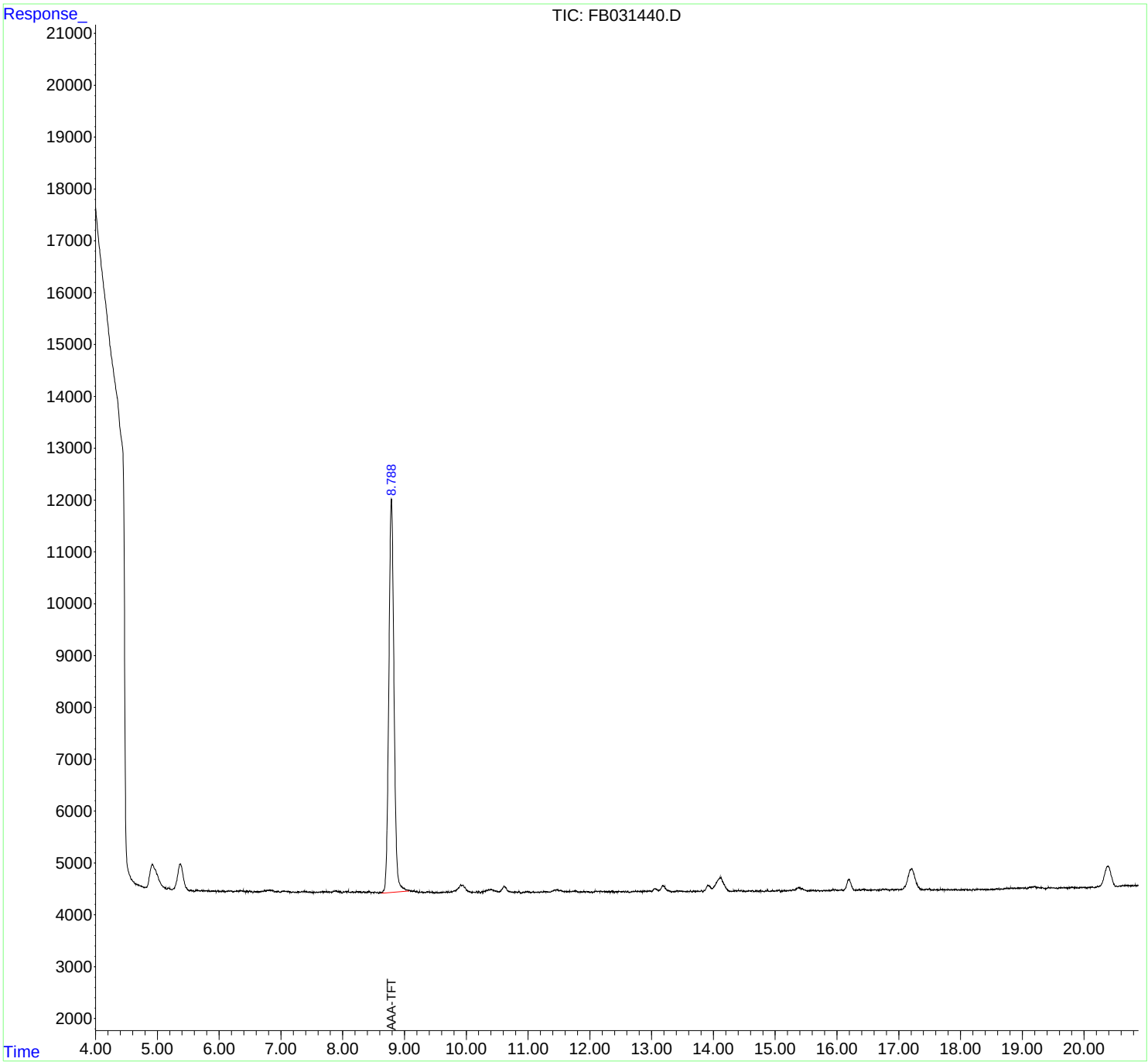
(f)=RT Delta > 1/2 Window (m)=manual int.

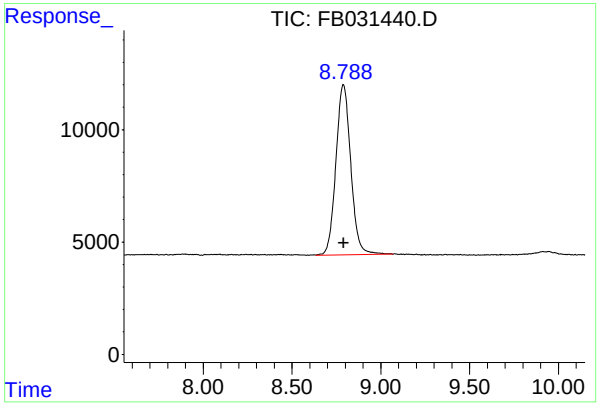
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB020325\
Data File : FB031440.D
Signal(s) : FID2B.CH
Acq On : 3 Feb 2025 11:47
Operator : YP/AJ
Sample : VBF0203S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0203S1

Integration File: Calibration.e
Quant Time: Feb 04 00:18:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#5 AAA-TFT

R.T.: 8.789 min
Delta R.T.: 0.000 mi
Response: 440367
Conc: 18.46 ng/m

Instrument :
FID_B
ClientSampleId :
VBF0203S1

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB020325\
Data File : FB031440.D
Signal(s) : FID2B.CH
Acq On : 3 Feb 2025 11:47
Sample : VBF0203S1
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	9.068	VV	7583	440367	100.00%	100.000%

Sum of corrected areas: 440367

FB011525.M Tue Feb 04 00:36:56 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.:	Q1232
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

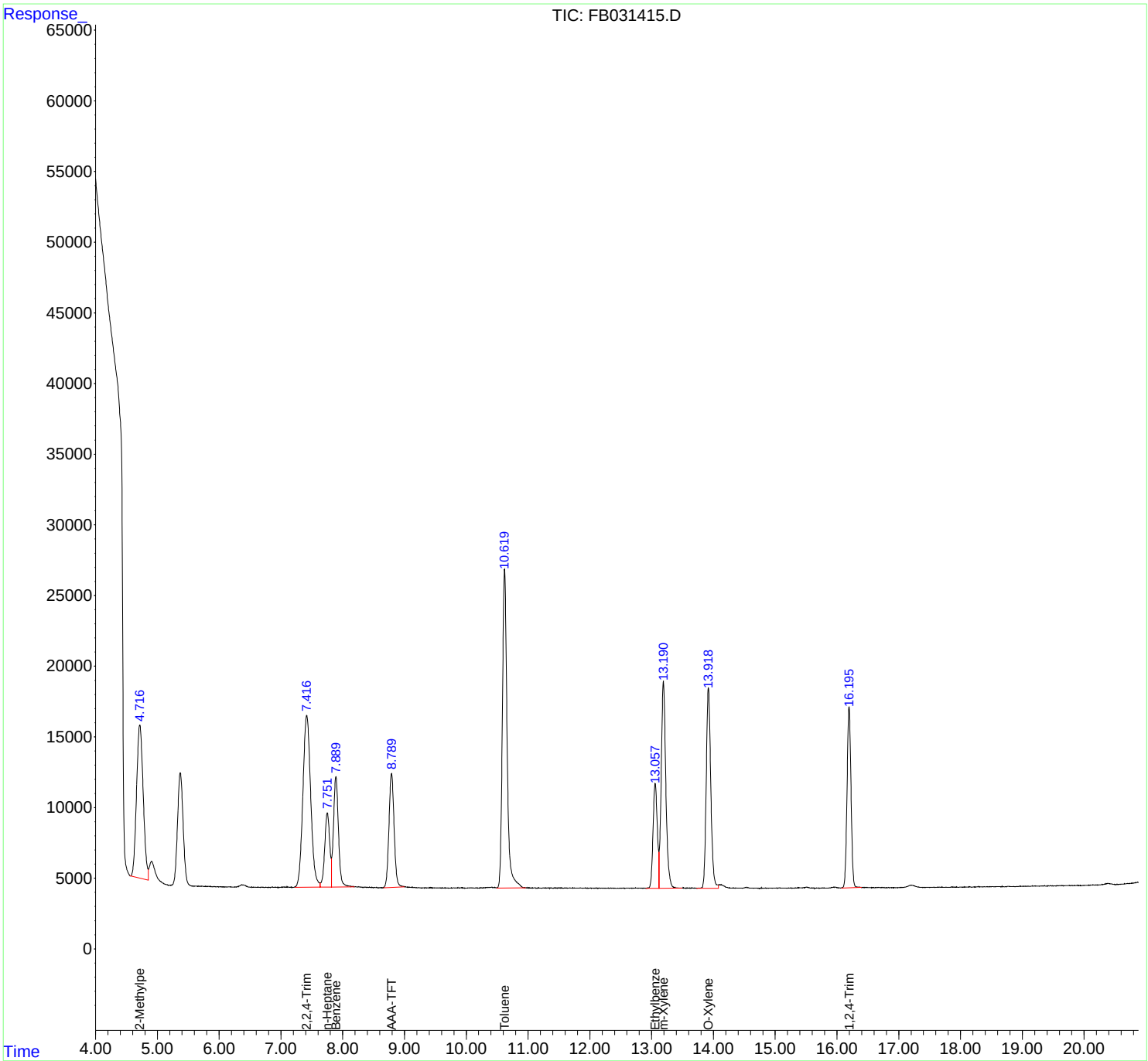
(f)=RT Delta > 1/2 Window (m)=manual int.

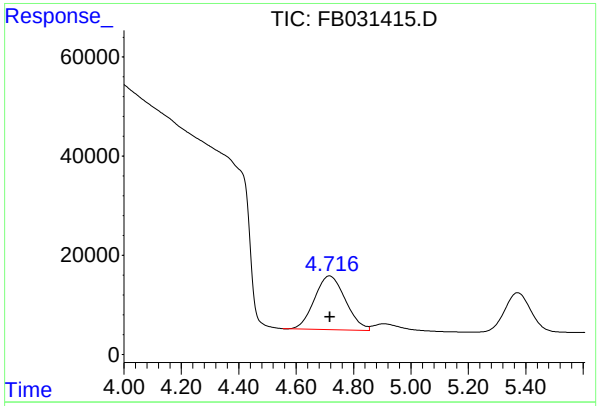
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013125\
Data File : FB031415.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 10:47
Operator : YP/AJ
Sample : BSF0131S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

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

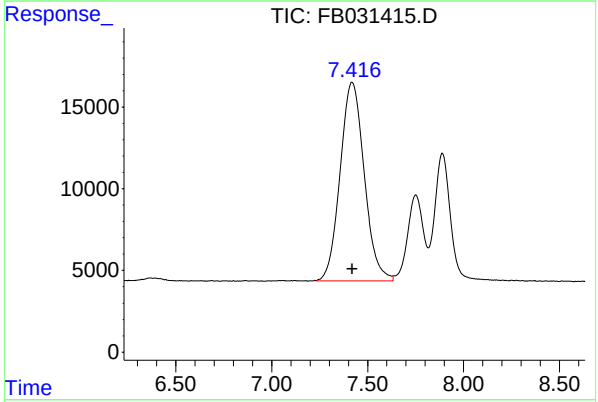




#1 2-Methylpentane

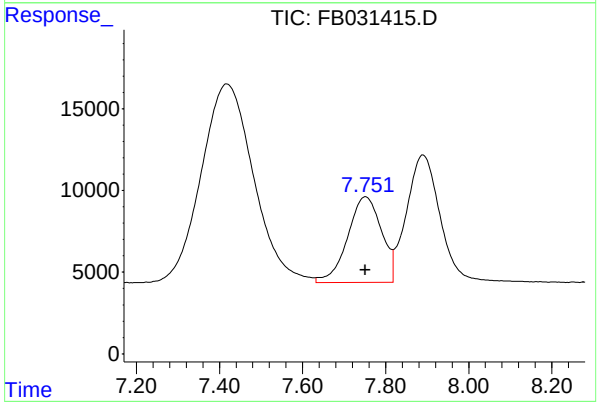
R.T.: 4.717 min
Delta R.T.: -0.001 min
Response: 811202
Conc: 24.47 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0131S1



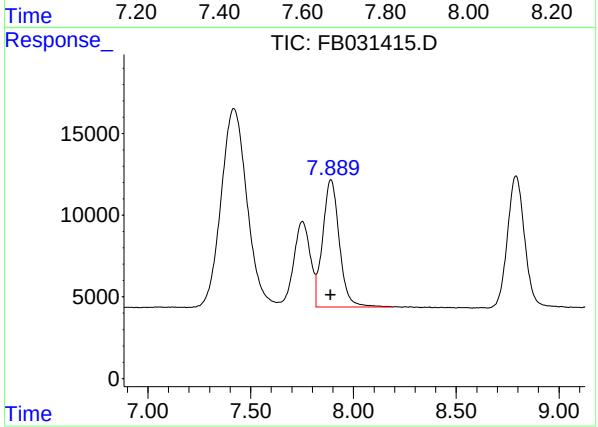
#2 2,2,4-Trimethylpentane

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



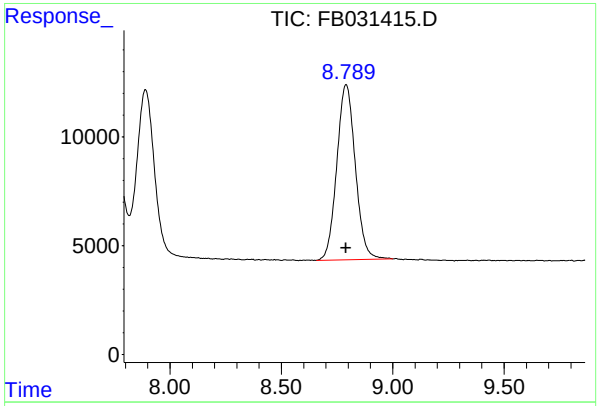
#3 n-Heptane

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



#4 Benzene

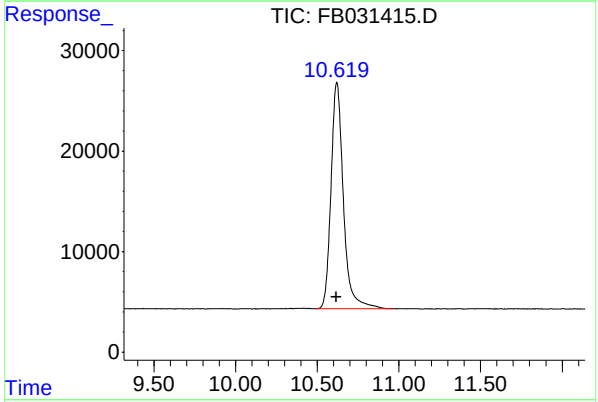
R.T.: 7.890 min
Delta R.T.: 0.000 min
Response: 440565
Conc: 10.34 ng/ml



#5 AAA-TFT

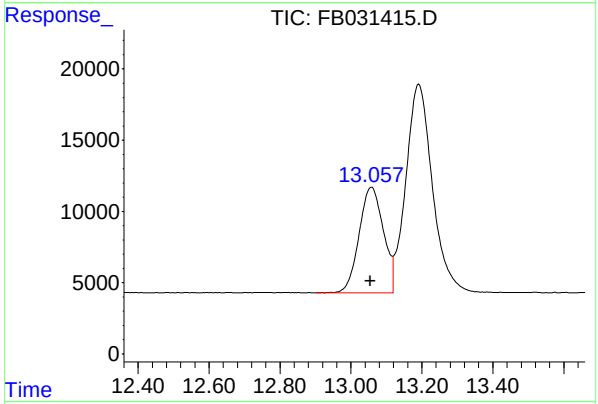
R.T.: 8.791 min
Delta R.T.: 0.001 min
Response: 465280
Conc: 19.51 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0131S1



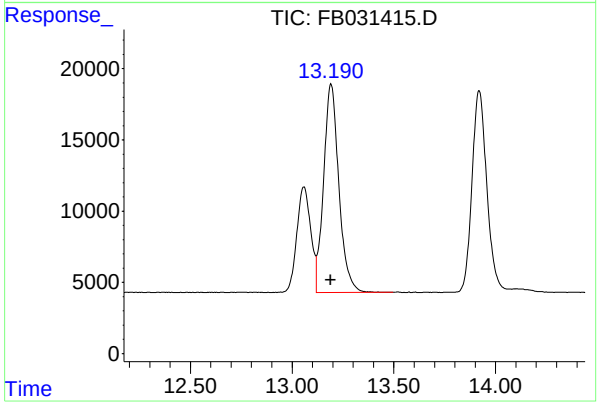
#6 Toluene

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



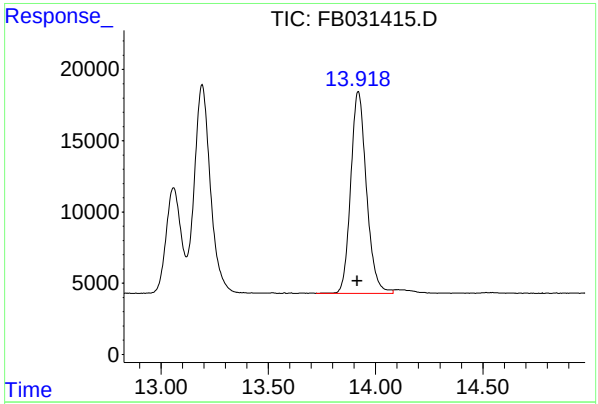
#7 Ethylbenzene

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



#8 m-Xylene

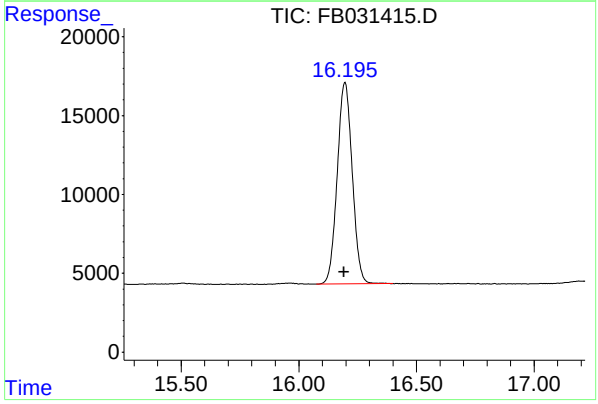
R.T.: 13.191 min
Delta R.T.: 0.003 min
Response: 763097
Conc: 20.42 ng/ml



#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

rteres

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:	BSF0203S1	SDG No.:	Q1232
Lab Sample ID:	BSF0203S1	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
FB031442.D	1	02/03/25 12:40	FB020325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	142		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\FB020325\
Data File : FB031442.D
Signal(s) : FID2B.CH
Acq On : 3 Feb 2025 12:40
Operator : YP/AJ
Sample : BSF0203S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0203S1

Integration File: Calibration.e
Quant Time: Feb 04 00:18:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
5) s	AAA-TFT	8.792	465921	19.533 ng/ml
	Target Compounds			
1) t	2-Methylpentane	4.721	564489	17.031 ng/ml
2) t	2,2,4-Trimethylpentane	7.425	828705	22.036 ng/ml
3) t	n-Heptane	7.754	245586	6.803 ng/ml
4) t	Benzene	7.892	374058	8.783 ng/ml
6) t	Toluene	10.620	1033895	26.479 ng/ml
7) t	Ethylbenzene	13.057	304166	8.784 ng/ml
8) t	m-Xylene	13.190	652214	17.449 ng/ml
9) t	O-Xylene	13.918	619886	17.406 ng/ml
10) t	1,2,4-Trimethylbenzene	16.194	484876	17.121 ng/ml

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

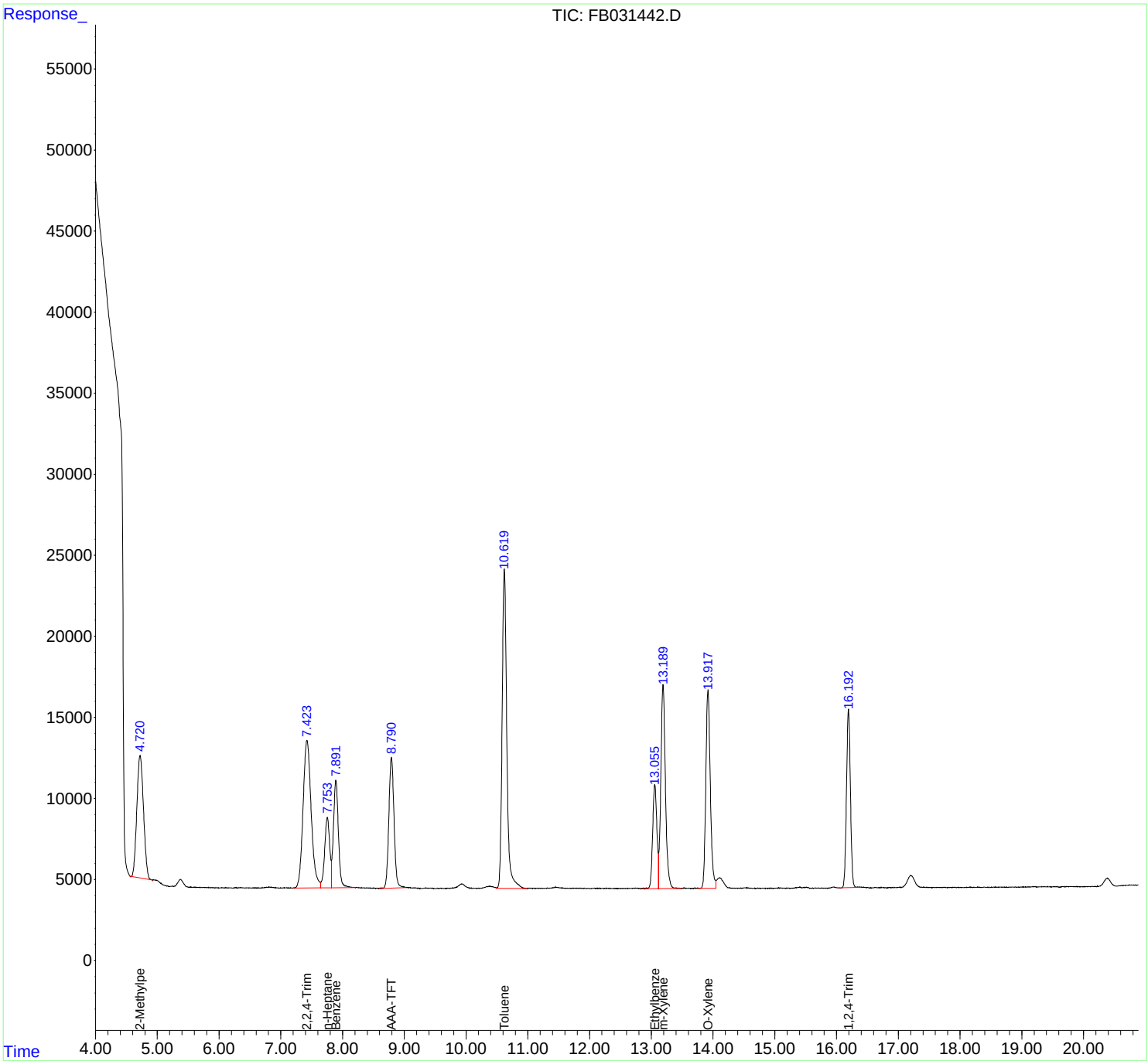
Quantitation Report (QT Reviewed)

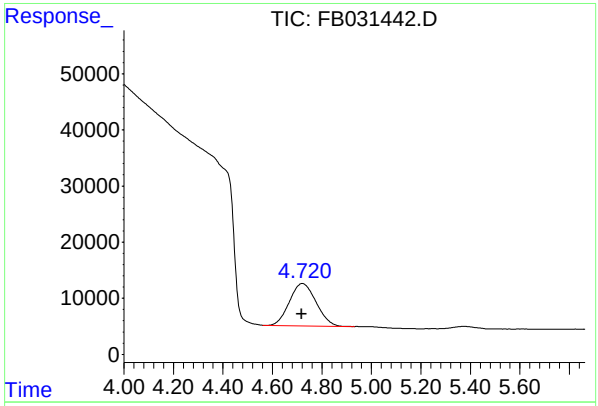
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB020325\
Data File : FB031442.D
Signal(s) : FID2B.CH
Acq On : 3 Feb 2025 12:40
Operator : YP/AJ
Sample : BSF0203S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0203S1

Integration File: Calibration.e
Quant Time: Feb 04 00:18:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

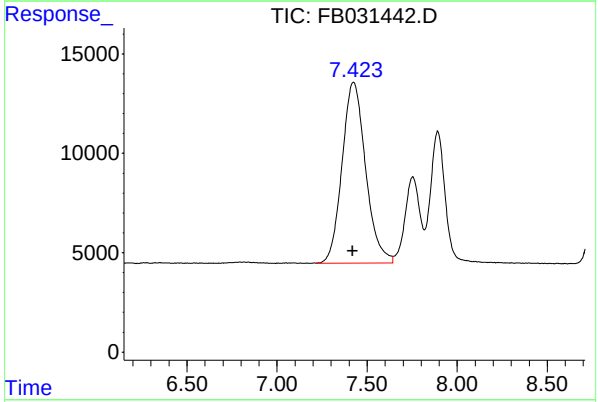




#1 2-Methylpentane

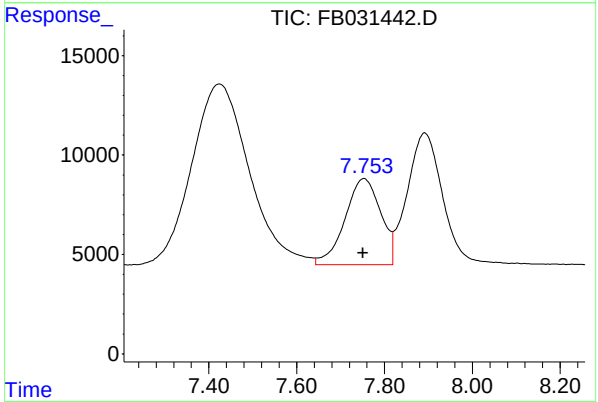
R.T.: 4.721 min
Delta R.T.: 0.003 min
Response: 564489
Conc: 17.03 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0203S1



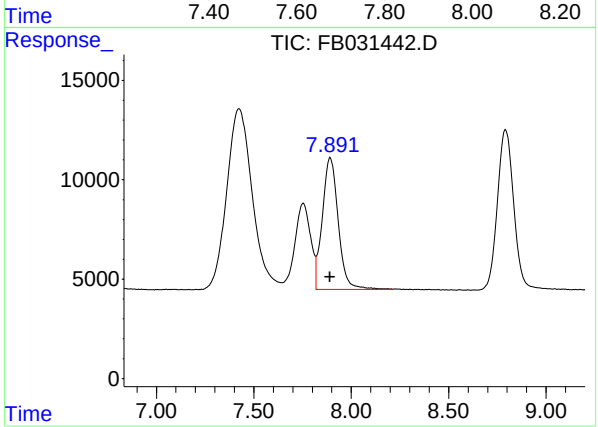
#2 2,2,4-Trimethylpentane

R.T.: 7.425 min
Delta R.T.: 0.005 min
Response: 828705
Conc: 22.04 ng/ml



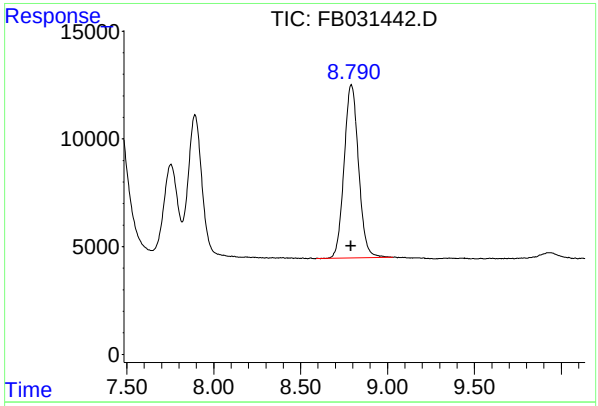
#3 n-Heptane

R.T.: 7.754 min
Delta R.T.: 0.003 min
Response: 245586
Conc: 6.80 ng/ml



#4 Benzene

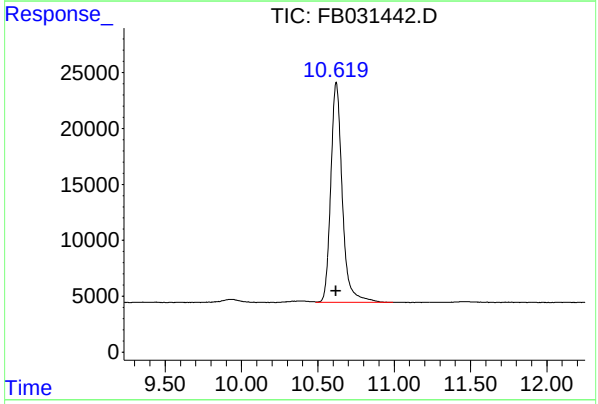
R.T.: 7.892 min
Delta R.T.: 0.003 min
Response: 374058
Conc: 8.78 ng/ml



#5 AAA-TFT

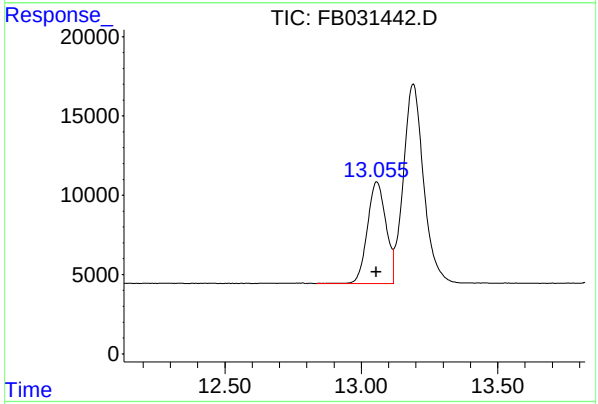
R.T.: 8.792 min
Delta R.T.: 0.002 min
Response: 465921
Conc: 19.53 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0203S1



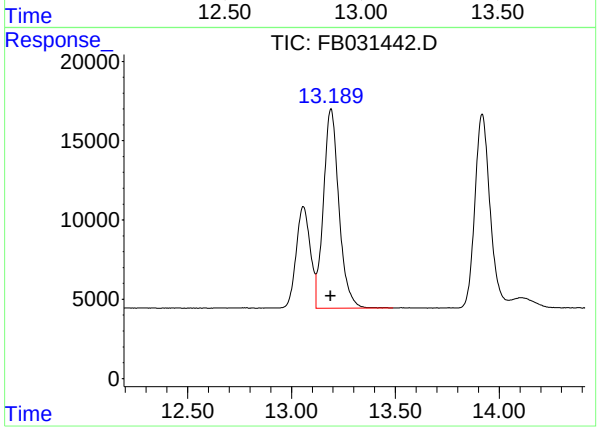
#6 Toluene

R.T.: 10.620 min
Delta R.T.: 0.003 min
Response: 1033895
Conc: 26.48 ng/ml



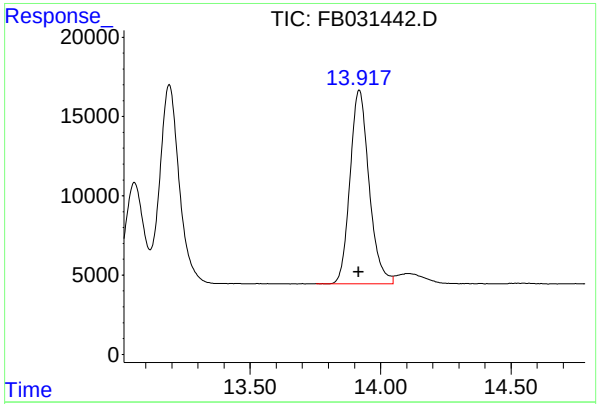
#7 Ethylbenzene

R.T.: 13.057 min
Delta R.T.: 0.003 min
Response: 304166
Conc: 8.78 ng/ml



#8 m-Xylene

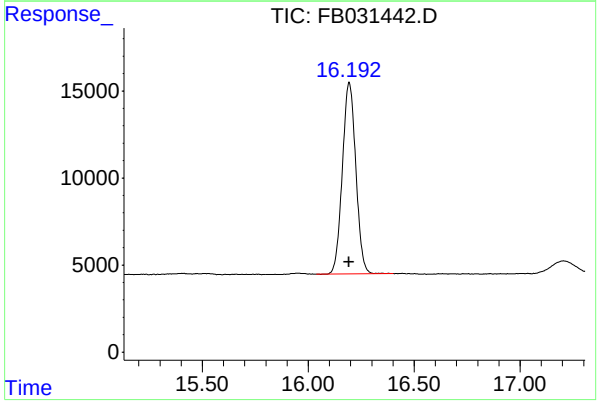
R.T.: 13.190 min
Delta R.T.: 0.002 min
Response: 652214
Conc: 17.45 ng/ml



#9 O-Xylene

R.T.: 13.918 min
Delta R.T.: 0.003 mi
Response: 619886
Conc: 17.41 ng/m

Instrument :
FID_B
ClientSampleId :
BSF0203S1



#10 1,2,4-Trimethylbenzene

R.T.: 16.194 min
Delta R.T.: 0.002 min
Response: 484876
Conc: 17.12 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB020325\
Data File : FB031442.D
Signal(s) : FID2B.CH
Acq On : 3 Feb 2025 12:40
Sample : BSF0203S1
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	4.721	4.559	4.932	BV	7549	564489	54.60%	10.128%
2	7.425	7.216	7.643	PV	9102	828705	80.15%	14.868%
3	7.754	7.643	7.819	VV	4341	245586	23.75%	4.406%
4	7.892	7.819	8.214	VV	6636	374058	36.18%	6.711%
5	8.792	8.590	9.032	BV	8053	465921	45.06%	8.359%
6	10.620	10.488	10.992	VV	19702	1033895	100.00%	18.549%
7	13.057	12.835	13.118	PV	6413	304166	29.42%	5.457%
8	13.190	13.118	13.488	VB	12584	652214	63.08%	11.701%
9	13.918	13.753	14.048	BV	12216	619886	59.96%	11.121%
10	16.194	16.038	16.401	BBA	11010	484876	46.90%	8.699%

Sum of corrected areas: 5573795

FB011525.M Tue Feb 04 00:37:42 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.:	Q1232
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

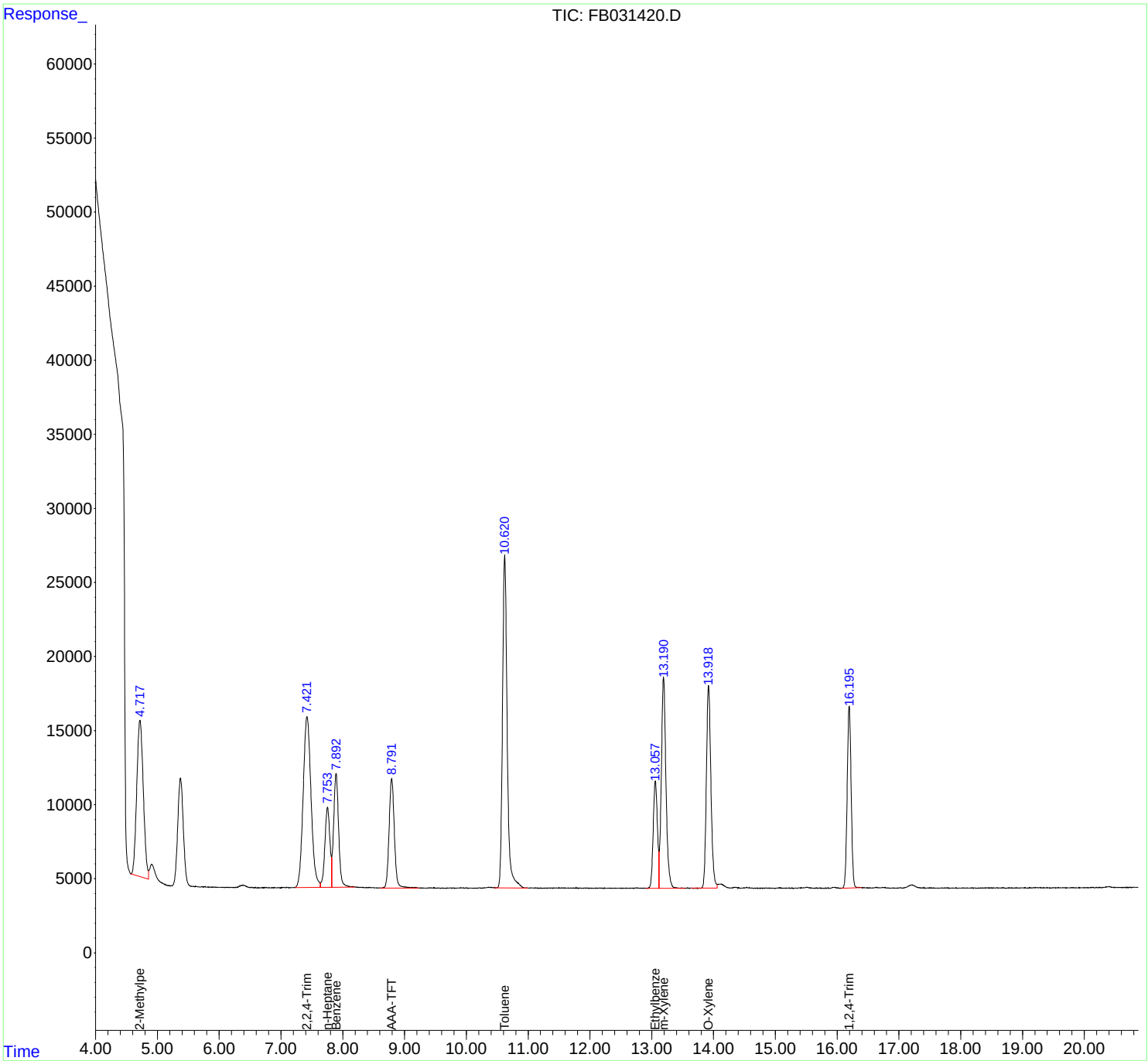
(f)=RT Delta > 1/2 Window (m)=manual int.

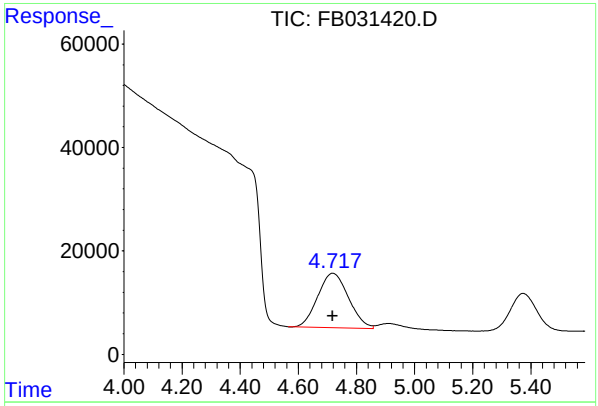
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013125\
Data File : FB031420.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 13:12
Operator : YP/AJ
Sample : BSF0131S2
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 9 Sample Multiplier: 1

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

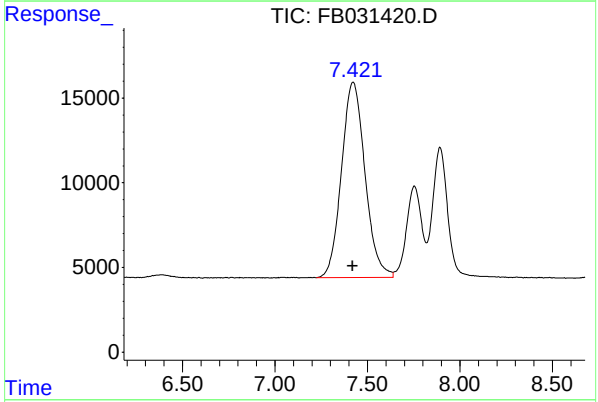




#1 2-Methylpentane

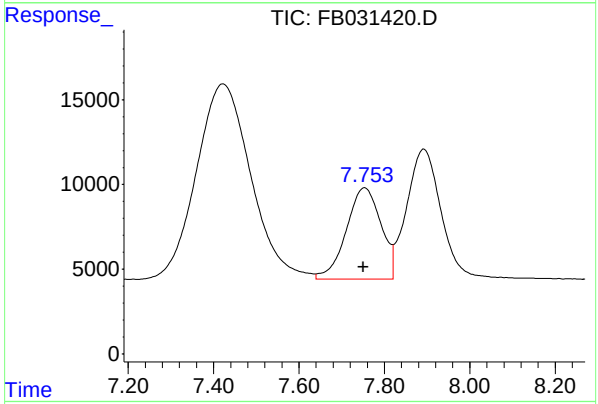
R.T.: 4.719 min
Delta R.T.: 0.000 min
Response: 779073
Conc: 23.50 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0131S2



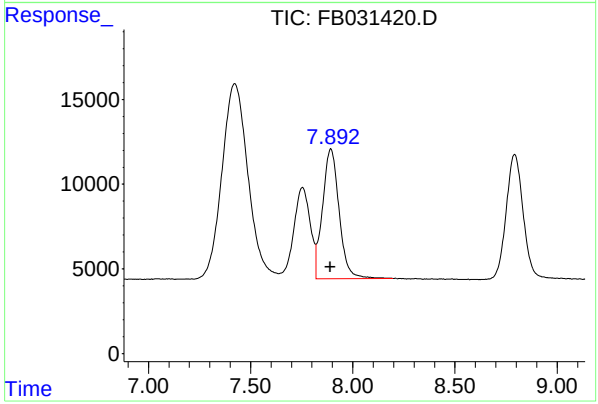
#2 2,2,4-Trimethylpentane

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



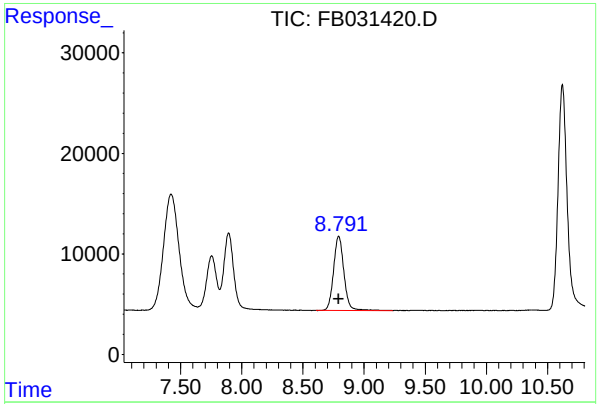
#3 n-Heptane

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



#4 Benzene

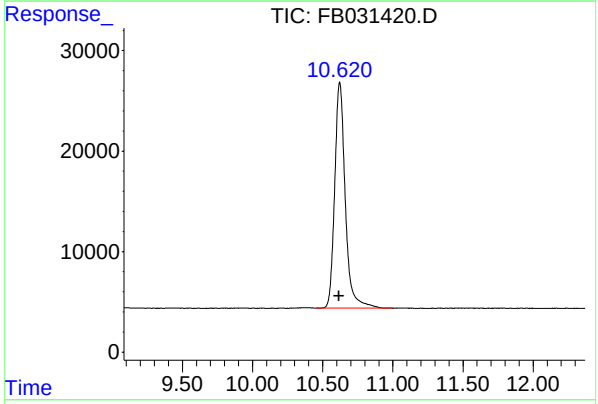
R.T.: 7.893 min
Delta R.T.: 0.003 min
Response: 430945
Conc: 10.12 ng/ml



#5 AAA-TFT

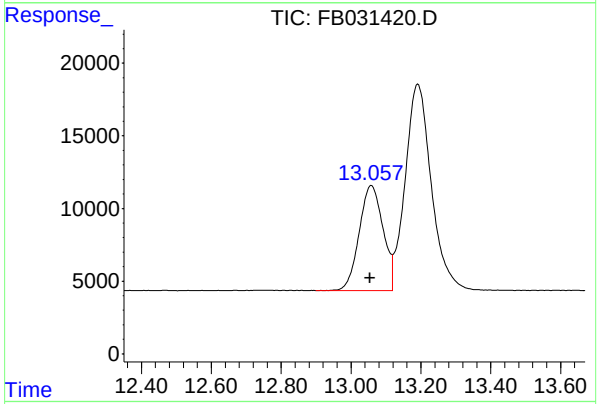
R.T.: 8.792 min
Delta R.T.: 0.003 min
Response: 435473
Conc: 18.26 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0131S2



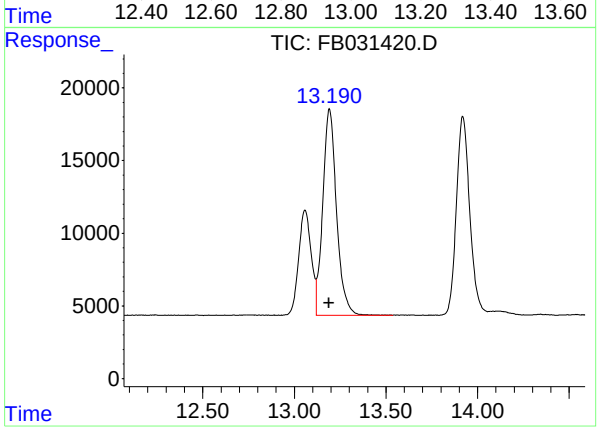
#6 Toluene

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



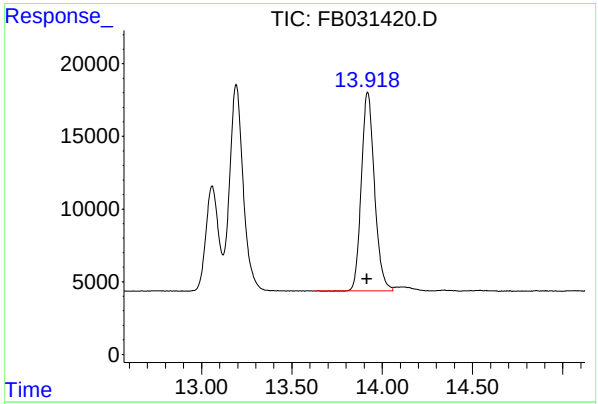
#7 Ethylbenzene

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



#8 m-Xylene

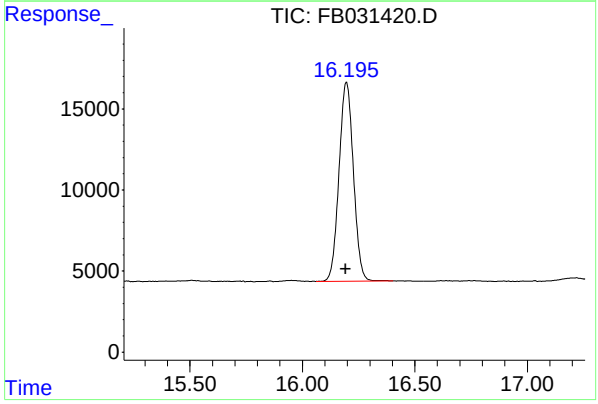
R.T.: 13.192 min
Delta R.T.: 0.004 min
Response: 741323
Conc: 19.83 ng/ml



#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

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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

Manual Integration Report

Sample ID	ClientId ID	File ID	Sequence ID	Parameter	Supervised By	Supervised On	Reason
20 PPB GRO STD		FB031448.D	FB020325	2,2,4-Trimethylpentane	Ankita	2/4/2025 9:01:16 AM	Peak Integrated by Software incorrectly

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Fax : 908 789 8922

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QCBatch ID # FB011525

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

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

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

M : Manual Integration

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

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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

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Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QCBatch ID # FB020325

Review By	yogesh	Review On	2/3/2025 12:29:22 PM		
Supervise By	Ankita	Supervise On	2/4/2025 9:01:22 AM		
SubDirectory	FB020325	HP Acquire Method		HP Processing Method	FB011525

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24113,PP24114,PP24115,PP24116,PP24117
CCC	PP24171,PP24172,PP24173
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	FB031439.D	3 Feb 2025 11:08	YP/AJ	Ok
2	VBF0203S1	FB031440.D	3 Feb 2025 11:47	YP/AJ	Ok
3	VBF0203S2	FB031441.D	3 Feb 2025 12:14	YP/AJ	Ok
4	BSF0203S1	FB031442.D	3 Feb 2025 12:40	YP/AJ	Ok
5	Q1232-05	FB031443.D	3 Feb 2025 13:20	YP/AJ	Ok
6	Q1232-09	FB031444.D	3 Feb 2025 13:47	YP/AJ	Ok
7	Q1232-13	FB031445.D	3 Feb 2025 14:14	YP/AJ	Ok
8	Q1232-17	FB031446.D	3 Feb 2025 14:40	YP/AJ	Ok
9	BSF0203S2	FB031447.D	3 Feb 2025 15:07	YP/AJ	Ok
10	20 PPB GRO STD	FB031448.D	3 Feb 2025 15:34	YP/AJ	Ok,M

M : Manual Integration

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

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QCBatch ID # FB011525

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

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

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

M : Manual Integration

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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

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 # FB020325

Review By	yogesh	Review On	2/3/2025 12:29:22 PM		
Supervise By	Ankita	Supervise On	2/4/2025 9:01:22 AM		
SubDirectory	FB020325	HP Acquire Method		HP Processing Method	FB011525

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24113,PP24114,PP24115,PP24116,PP24117
CCC	PP24171,PP24172,PP24173
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		FB031439.D	3 Feb 2025 11:08		YP/AJ	Ok
2	VBF0203S1		FB031440.D	3 Feb 2025 11:47		YP/AJ	Ok
3	VBF0203S2		FB031441.D	3 Feb 2025 12:14		YP/AJ	Ok
4	BSF0203S1		FB031442.D	3 Feb 2025 12:40		YP/AJ	Ok
5	Q1232-05		FB031443.D	3 Feb 2025 13:20	Vial -B	YP/AJ	Ok
6	Q1232-09		FB031444.D	3 Feb 2025 13:47	Vial -B	YP/AJ	Ok
7	Q1232-13		FB031445.D	3 Feb 2025 14:14	Vial -B	YP/AJ	Ok
8	Q1232-17		FB031446.D	3 Feb 2025 14:40	Vial -B	YP/AJ	Ok
9	BSF0203S2		FB031447.D	3 Feb 2025 15:07		YP/AJ	Ok
10	20 PPB GRO STD		FB031448.D	3 Feb 2025 15:34		YP/AJ	Ok,M

M : Manual Integration

PERCENT SOLID

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

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

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

QC: LB134481

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

Alliance TECHNICAL GROUP

PERCENT SOLID

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

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

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

QC: LB134481

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

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

WORKLIST(Hardcopy Internal Chain)

(B 13448)

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

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

Date/Time 01/30/25 1520

Raw Sample Received by: SB WC)

Raw Sample Relinquished by: CJSM

Date/Time 01/30/25 1711

Raw Sample Received by: CF SB

Raw Sample Relinquished by: SB WC)

WORKLIST(Hardcopy Internal Chain)

134481

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

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

Date/Time 01/30/25 1520

Raw Sample Received by: JB WdC

Raw Sample Relinquished by: CF SM

Date/Time 01/30/25 1720

Raw Sample Received by: CF SM

Raw Sample Relinquished by: JB WdC

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

Prep Standard - Chemical Standard Summary

Order ID : Q1232

Test : Gasoline Range Organics

Prepbatch ID :

Sequence ID/Qc Batch ID: FB013125,FB020325,

Standard ID :
PP24110,PP24111,PP24112,PP24113,PP24114,PP24115,PP24116,PP24117,PP24118,PP24167,PP24168,PP24169,PP24171,PP24172,PP24173,

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

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
241	20 PPB CCC GRO STD	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

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
241	20 PPB CCC GRO STD	PP24171	02/03/2025	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	PP24172	02/03/2025	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

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
241	20 PPB CCC GRO STD	PP24173	02/03/2025	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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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 +/- 84.4194 +/- 86.3938	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
2	2,2,4-Trimethylpentane (isooctane) **CAS #** 540-84-1 **Purity** 99%	(Lot SHBD2922V)	1,504.0 µg/mL	+/- 8.9333 +/- 84.3476 +/- 86.3203	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
3	n-Heptane (C7) **CAS #** 142-82-5 **Purity** 98%	(Lot SHBK8626)	500.8 µg/mL	+/- 2.9745 +/- 28.0848 +/- 28.7417	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
4	Benzene **CAS #** 71-43-2 **Purity** 99%	(Lot SHBK5679)	501.0 µg/mL	+/- 2.9758 +/- 28.0972 +/- 28.7543	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
5	Toluene **CAS #** 108-88-3 **Purity** 99%	(Lot MKCH9232)	1,505.0 µg/mL	+/- 8.9392 +/- 84.4037 +/- 86.3777	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
6	Ethylbenzene **CAS #** 100-41-4 **Purity** 99%	(Lot SHBJ4278)	502.0 µg/mL	+/- 2.9817 +/- 28.1533 +/- 28.8117	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
7	m-Xylene **CAS #** 108-38-3 **Purity** 99%	(Lot SHBJ8743)	1,004.0 µg/mL	+/- 5.9635 +/- 56.3065 +/- 57.6234	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

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

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

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

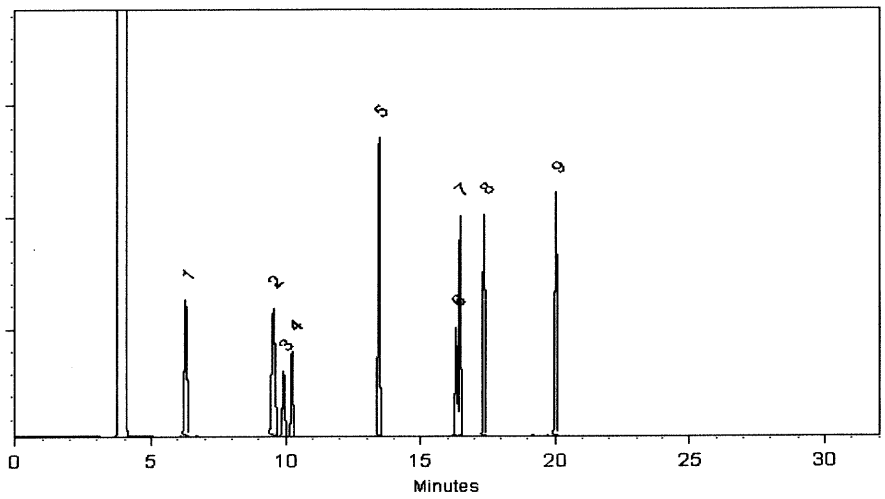
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



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

Miranda Kline
Miranda Kline - Operations Technician I

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

Fang-Yun Lo - QC Analyst

Date Passed: 23-Dec-2019

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

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

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

CHEMTECH PROJECT NO. Q1232
QUOTE NO.
COC Number 2041691

CLIENT INFORMATION (REPORT TO BE SENT TO:)

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

CLIENT PROJECT INFORMATION

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

CLIENT BILLING INFORMATION

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

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

ANALYSIS

1 TCL VOCs + TICs w/ BETX
2 TCL VOCs
3 TPH 680-DRO
4 TCL SVOCs + TICs
5 TAL Metals
6 Pesticides, PCBs
7 RCRA characteristics
8 Paint filter
9 full TCLP

PRESERVATIVES

COMMENTS

← Specify Preservatives
A-HCl D-NaOH
B-HNO3 E-ICE
C-H2SO4 F-OTHER

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1	2	3	4	5	6	7	8	9
1.	JPP-46.2-012925	Soil		G	01/29/25	9:00	3	X	X	X						
2.	JPP-46.2-012925	Soil	C		1/29/25	9:05	8			X	X	X	X	X	X	X
3.	JPP-46.1-012925	Soil		G	1/29/25	10:10	3	X	X	X						
4.	JPP-46.1-012925	Soil	C		1/29/25	10:18	8			X	X	X	X	X	X	X
5.	JPP-42.1-012925	Soil		G	1/29/25	11:24	3	X	X	X						
6.	JPP-42.1-012925	Soil	C		1/29/25	11:30	8			X	X	X	X	X	X	X
7.	JPP-42.2-012925	Soil		G	1/29/25	12:24	3	X	X	X						
8.	JPP-42.2-012925	Soil	C		1/29/25	12:30	8			X	X	X	X	X	X	X
9.	JPP-51.1-012925	Soil		G	1/29/25	14:14	3	X	X	X						
10.	JPP-51.1-012925	Soil	C		1/29/25	14:20	8			X	X	X	X	X	X	X

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. RA	1/30/2025	1. 1045 1-30-25
2.		2.
3.	1152 1-30-25	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.1 °C
Comments: Preserve extra Sample Jar If additional analysis is required.

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

Laboratory Certification

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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1232 RUTW01
Client Name : RU2 Engineering, LLC
Client Contact : Rutu Manani
Invoice Name : RU2 Engineering, LLC
Invoice Contact : Rutu Manani

Order Date : 1/30/2025 11:55:00 AM
Project Name : NYCDDC SANTWOBR Bi
Receive DateTime : 1/30/2025 11:52:00 AM
Purchase Order :

Project Mgr : Kiran
Report Type : NYS ASP B
EDD Type : Excel NY
Hard Copy Date :
Date Signoff : 1/30/2025 1:25:39 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1232-01	JPP-46.2-012925	Solid	01/29/2025	09:00					
					VOCMS Group1		8260D		10 Bus. Days
Q1232-05	JPP-46.1-012925	Solid	01/29/2025	10:10					
					VOCMS Group1		8260D		10 Bus. Days
Q1232-09	JPP-42.1-012925	Solid	01/29/2025	11:24					
					VOCMS Group1		8260D		10 Bus. Days
Q1232-13	JPP-42.2-012925	Solid	01/29/2025	12:24					
					VOCMS Group1		8260D		10 Bus. Days
Q1232-17	JPP-51.1-012925	Solid	01/29/2025	14:14					
					VOCMS Group1		8260D		10 Bus. Days

Relinguished By :
Date / Time : 1130 25 1700

Received By :
Date / Time : 1.30.25 17:00

Storage Area : **VOA Refridgerator Room**

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

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Q1232-01	JPP-46.2-012925	Solid	01/29/2025	09:00					
					Gasoline Range Organics		8015D		10 Bus. Days
Q1232-05	JPP-46.1-012925	Solid	01/29/2025	10:10					
					Gasoline Range Organics		8015D		10 Bus. Days
Q1232-09	JPP-42.1-012925	Solid	01/29/2025	11:24					
					Gasoline Range Organics		8015D		10 Bus. Days
Q1232-13	JPP-42.2-012925	Solid	01/29/2025	12:24					
					Gasoline Range Organics		8015D		10 Bus. Days
Q1232-17	JPP-51.1-012925	Solid	01/29/2025	14:14					
					Gasoline Range Organics		8015D		10 Bus. Days

Relinguished By :
Date / Time : 1/30/25 1700

Received By :
Date / Time : 1-30-25 17:00

Storage Area : VOA Refridgerator Room