284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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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 : Q1216

ATTENTION : Rutu Manani

Laboratory Certification ID # 20012

Table Of Contents for Q1216

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Cover Page

Order ID : Q1216

Project ID : NYCDDC SANTWOBR Brooklyn Bridge BBMCR

Client : RU2 Engineering, LLC

Lab Sample Number	Client Sample Number
Q1216-01	JPP-18.1-012825
Q1216-02	JPP-18.1-012825
Q1216-03	JPP-18.1-012825
Q1216-04	JPP-18.1-012825
Q1216-05	JPP-21.1-012825
Q1216-06	JPP-21.1-012825
Q1216-07	JPP-21.1-012825
Q1216-08	JPP-21.1-012825
Q1216-09	JPP-21.2-012825
Q1216-10	JPP-21.2-012825
Q1216-11	JPP-21.2-012825
Q1216-12	JPP-21.2-012825
Q1216-13	JPP-26.1-012825
Q1216-14	JPP-26.1-012825
Q1216-15	JPP-26.1-012825
Q1216-16	JPP-26.1-012825
Q1216-17	JPP-26.2-012825
Q1216-18	JPP-26.2-012825
Q1216-19	JPP-26.2-012825
Q1216-20	JPP-26.2-012825

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

Signature : _____

Date: 2/11/2025

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 # Q1216
Test Name: Gasoline Range Organics

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

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Corrosivity, Diesel Range Organics, Gasoline Range Organics, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, Paint Filter, PCB, Pesticide-TCL, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOC-TCL BNA -20, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TCLP-FULL and VOCMS Group1. This data package contains results for Gasoline Range Organics.

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

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements .

The RPD for {Q1216-17MSD} with File ID: FB031402.D met criteria except for GRO[25%] due to difference in results of MS-MSD.

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

Samples JPP-21.1-012825, JPP-21.2-012825, JPP-26.1-012825 and JPP-26.2-012825 were directly run in methanol as both low level soil vials did not purge.

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E. Additional Comments:
The soil samples results are based on a dry weight basis.

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

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

Signature_____

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DATA REPORTING QUALIFIERS- ORGANIC

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

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

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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: Q1216 MATRIX: Solid

METHOD: 8015D/3541

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified.			✓
2.	Standard Summary Submitted.			✓
3.	Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis, 12 HOURS IF 8000 SERIES METHOD. The Initial Calibration met the requirements . The Continuous Calibration met the requirements .			✓
4.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
5.	Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓
6.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range. The MS recoveries met the requirements for all compounds . The MSD recoveries met the acceptable requirements . The Blank Spike met requirements for all samples . The RPD for {Q1216-17MSD} with File ID: FB031402.D met criteria except for GRO[25%] due to difference in results of MS-MSD.		✓	
7.	Retention Time Shift Meet Criteria (if applicable) Comments:			✓
8.	Extraction Holding Time Met If not met, list number of days exceeded for each sample:		✓	

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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

		NA	NO	YES
9.	Analysis Holding Time Met		✓	

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

The Holding Times were met for all analysis.

ADDITIONAL COMMENTS:

Samples JPP-21.1-012825, JPP-21.2-012825, JPP-26.1-012825 and JPP-26.2-012825 were directly run in methanol as both low level soil vials did not purge.

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

_____ _____

QA REVIEW Date

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1216

	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:** 02/11/2025

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LAB CHRONICLE

OrderID:	Q1216	**OrderDate:**	1/29/2025 11:54:00 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
Q1216-01	**JPP-18.1-012825**	**SOIL**			**01/28/25**			**01/29/25**
			Diesel Range Organics	8015D		01/30/25	01/30/25	
			Gasoline Range Organics	8015D			01/30/25	
Q1216-03	**JPP-18.1-012825**	**SOIL**			**01/28/25**			**01/29/25**
			PCB	8082A		01/30/25	01/30/25	
Q1216-05	**JPP-21.1-012825**	**SOIL**			**01/28/25**			**01/29/25**
			Diesel Range Organics	8015D		01/30/25	01/30/25	
			Gasoline Range Organics	8015D			01/30/25	
Q1216-07	**JPP-21.1-012825**	**SOIL**			**01/28/25**			**01/29/25**
			PCB	8082A		01/30/25	01/30/25	
Q1216-09	**JPP-21.2-012825**	**SOIL**			**01/28/25**			**01/29/25**
			Diesel Range Organics	8015D		01/30/25	01/30/25	
			Gasoline Range Organics	8015D			01/30/25	
Q1216-11	**JPP-21.2-012825**	**SOIL**			**01/28/25**			**01/29/25**
			PCB	8082A		01/30/25	01/30/25	
Q1216-13	**JPP-26.1-012825**	**SOIL**			**01/28/25**			**01/29/25**
			Diesel Range Organics	8015D		01/30/25	01/30/25	
			Gasoline Range Organics	8015D			01/30/25	
Q1216-15	**JPP-26.1-012825**	**SOIL**			**01/28/25**			**01/29/25**
			PCB	8082A		01/30/25	01/30/25	
Q1216-17	**JPP-26.2-012825**	**SOIL**			**01/28/25**			**01/29/25**
			Diesel Range Organics	8015D		01/30/25	01/30/25	
			Gasoline Range Organics	8015D			01/30/25	
Q1216-19	**JPP-26.2-012825**	**SOIL**			**01/28/25**			**01/29/25**

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LAB CHRONICLE

PCB	8082A	01/30/25	01/30/25

QC SUMMARY

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SOIL GASOLINE RANGE ORGANICS SURROGATE RECOVERY

Lab Name: Chemtech Client: RU2 Engineering, LLC

Lab Code: CHEM Case No.: Q1216 SAS No.: Q1216 SDG No.: Q1216

EPA SAMPLE NO.	S1 AAA-TFT	S2	S3	S4	TOT OUT
VBF0130S1	106				0
VBF0130S2	93				0
BSF0130S1	85				0
JPP-18.1-012825	57				0
JPP-26.2-012825	115				0
JPP-26.2-012825MS	95				0
JPP-26.2-012825MSD	81				0
JPP-21.1-012825	98				0
JPP-21.2-012825	97				0
JPP-26.1-012825	91				0

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

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

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SOIL GASOLINE RANGE ORGANICS MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

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

Lab Code: CHEM **Cas No:** Q1216 **SAS No :** Q1216 **SDG No:** Q1216

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

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

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SOIL GASOLINE RANGE ORGANICS MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

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

Lab Code: CHEM **Cas No:** Q1216 **SAS No :** Q1216 **SDG No:** Q1216

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

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

MS/MSD % Recovery RPD : 25

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

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

Lab Code: CHEM **Cas No:** Q1216 **SAS No :** Q1216 **SDG No:** Q1216

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

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

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METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBF0130S2

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1216 SAS No.: Q1216 SDG NO.: Q1216

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

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

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

Instrument ID: FB

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
JPP-26.2-012825	Q1216-17	FB031400.D	01/30/25
JPP-26.2-012825MS	Q1216-17MS	FB031401.D	01/30/25
JPP-26.2-012825MSD	Q1216-17MSD	FB031402.D	01/30/25
JPP-21.1-012825	Q1216-05	FB031405.D	01/30/25
JPP-21.2-012825	Q1216-09	FB031406.D	01/30/25
JPP-26.1-012825	Q1216-13	FB031407.D	01/30/25

COMMENTS:

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METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBF0130S1

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1216 SAS No.: Q1216 SDG NO.: Q1216

Lab File ID: FB031382.D Lab Sample ID: VBF0130S1

Date Analyzed: 01/30/25 Time Analyzed: 9:47

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
BSF0130S1	BSF0130S1	FB031384.D	01/30/25
JPP-18.1-012825	Q1216-01	FB031386.D	01/30/25

COMMENTS:

SAMPLE DATA

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Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/28/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/29/25
Client Sample ID:	JPP-18.1-012825	SDG No.:	Q1216
Lab Sample ID:	Q1216-01	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	81.2 Decanted:
Sample Wt/Vol:	5.01 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
FB031386.D	1	01/30/25 12:00	FB013025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	55.0	U	9.00	55.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	11.4		50 - 150	57%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013025\
Data File : FB031386.D
Signal(s) : FID2B.CH
Acq On : 30 Jan 2025 12:00
Operator : YP/AJ
Sample : Q1216-01
Misc : 5.01G/5.00 ML DI WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
JPP-18.1-012825

Integration File: Calibration.e
Quant Time: Jan 31 00:55:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
System Monitoring Compounds				
5) s	AAA-TFT	8.790	272347	11.418 ng/ml
Target Compounds				

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

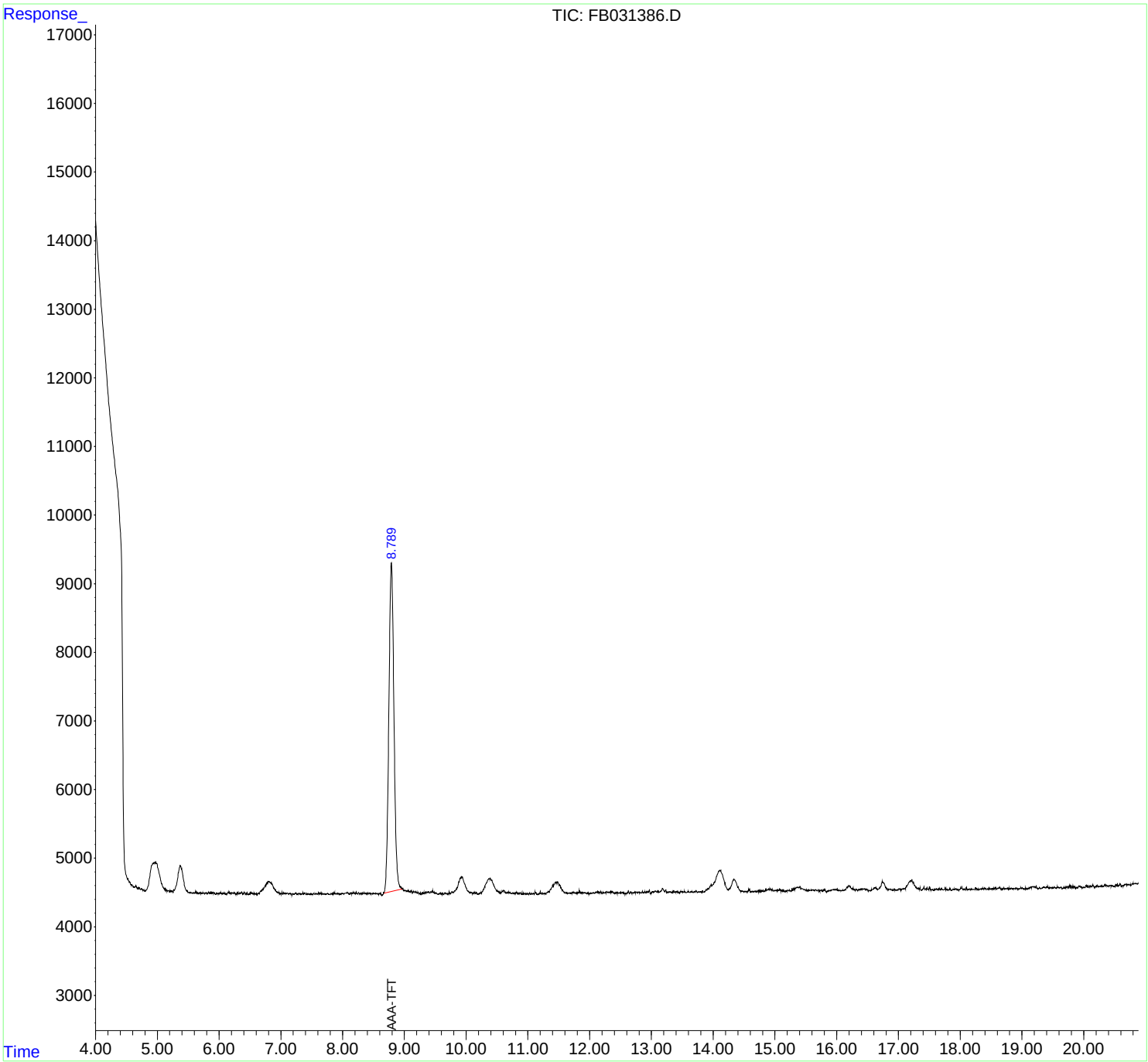
Quantitation Report (QT Reviewed)

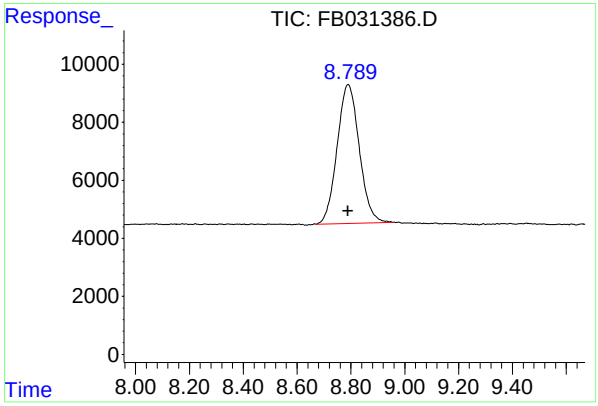
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013025\
Data File : FB031386.D
Signal(s) : FID2B.CH
Acq On : 30 Jan 2025 12:00
Operator : YP/AJ
Sample : Q1216-01
Misc : 5.01G/5.00 ML DI WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
JPP-18.1-012825

Integration File: Calibration.e
Quant Time: Jan 31 00:55:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#5 AAA-TFT

R.T.: 8.790 min
Delta R.T.: 0.000 mi
Response: 272347
Conc: 11.42 ng/m

Instrument :
FID_B
ClientSampleId :
JPP-18.1-012825

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\FB013025\
Data File : FB031386.D
Signal(s) : FID2B.CH
Acq On : 30 Jan 2025 12:00
Sample : Q1216-01
Misc : 5.01G/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	4.653	4.587	4.676	BV	25	245	0.09%	0.045%
2	4.686	4.676	4.698	PV	24	165	0.06%	0.031%
3	4.710	4.698	4.732	VV	32	293	0.10%	0.055%
4	4.744	4.732	4.772	VV	25	323	0.11%	0.060%
5	4.781	4.772	4.807	VV	19	150	0.05%	0.028%
6	5.151	5.142	5.162	VV	39	358	0.13%	0.067%
7	5.174	5.162	5.220	VV	29	659	0.23%	0.123%
8	5.242	5.220	5.254	VV	28	355	0.12%	0.066%
9	5.267	5.254	5.275	VV	39	315	0.11%	0.059%
10	5.534	5.521	5.569	VV	20	366	0.13%	0.068%
11	5.581	5.569	5.591	VV	15	126	0.04%	0.023%
12	5.617	5.591	5.626	VV	22	247	0.09%	0.046%
13	5.636	5.626	5.648	VV	31	195	0.07%	0.036%
14	5.657	5.648	5.668	PV	23	122	0.04%	0.023%
15	5.694	5.668	5.703	VV	26	286	0.10%	0.053%
16	5.712	5.703	5.723	VV	20	146	0.05%	0.027%
17	5.749	5.723	5.766	VV	18	291	0.10%	0.054%
18	5.784	5.766	5.805	PV	21	331	0.12%	0.062%
19	5.809	5.805	5.816	VV	14	62	0.02%	0.012%
20	5.836	5.816	5.846	VV	25	301	0.11%	0.056%
21	5.856	5.846	5.864	VV	22	163	0.06%	0.030%
22	5.873	5.864	5.890	VV	35	338	0.12%	0.063%
23	5.902	5.890	5.914	VV	32	296	0.10%	0.055%
24	5.923	5.914	5.944	VV	28	267	0.09%	0.050%
25	5.958	5.944	5.990	VV	19	303	0.11%	0.056%
26	6.025	5.990	6.052	VV	28	619	0.22%	0.115%
27	6.066	6.052	6.076	VV	24	238	0.08%	0.044%
28	6.092	6.076	6.102	VV	28	231	0.08%	0.043%
29	6.163	6.102	6.174	VV	40	851	0.30%	0.158%
30	6.182	6.174	6.192	VV	28	238	0.08%	0.044%
31	6.202	6.192	6.213	VV	31	301	0.11%	0.056%
32	6.219	6.213	6.227	VV	28	212	0.07%	0.039%
33	6.241	6.227	6.279	VV	37	682	0.24%	0.127%
34	6.302	6.279	6.316	VV	36	423	0.15%	0.079%
35	6.327	6.316	6.335	VV	27	211	0.07%	0.039%
36	6.366	6.335	6.383	VV	48	840	0.30%	0.156%

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37	6.406	6.383	6.430	VV	39	712	0.25%	0.132%
38	6.453	6.430	6.480	VV	35	497	0.17%	0.092%
39	6.513	6.480	6.523	VV	41	585	0.21%	0.109%
40	6.533	6.523	6.617	VV	34	1288	0.45%	0.239%
41	7.022	7.000	7.033	VV	46	544	0.19%	0.101%
42	7.046	7.033	7.057	VV	39	410	0.14%	0.076%
43	7.072	7.057	7.095	VV	36	656	0.23%	0.122%
44	7.104	7.095	7.127	VV	35	541	0.19%	0.101%
45	7.145	7.127	7.155	VV	32	437	0.15%	0.081%
46	7.162	7.155	7.181	VV	31	317	0.11%	0.059%
47	7.191	7.181	7.218	VV	26	392	0.14%	0.073%
48	7.247	7.218	7.274	VV	39	813	0.29%	0.151%
49	7.287	7.274	7.301	VV	31	357	0.13%	0.066%
50	7.309	7.301	7.320	VV	31	260	0.09%	0.048%
51	7.359	7.320	7.375	VV	39	713	0.25%	0.133%
52	7.389	7.375	7.412	VV	37	586	0.21%	0.109%
53	7.422	7.412	7.468	VV	29	653	0.23%	0.121%
54	7.475	7.468	7.485	VV	28	210	0.07%	0.039%
55	7.493	7.485	7.518	VV	28	348	0.12%	0.065%
56	7.535	7.518	7.557	VV	32	471	0.17%	0.088%
57	7.569	7.557	7.587	VV	32	441	0.16%	0.082%
58	7.609	7.587	7.621	VV	45	501	0.18%	0.093%
59	7.631	7.621	7.641	VV	41	330	0.12%	0.061%
60	7.652	7.641	7.661	VV	41	312	0.11%	0.058%
61	7.674	7.661	7.687	VV	27	316	0.11%	0.059%
62	7.699	7.687	7.713	VV	25	312	0.11%	0.058%
63	7.757	7.713	7.772	VV	32	742	0.26%	0.138%
64	7.781	7.772	7.802	VV	21	302	0.11%	0.056%
65	7.815	7.802	7.827	VV	32	340	0.12%	0.063%
66	7.846	7.827	7.852	VV	27	348	0.12%	0.065%
67	7.872	7.852	7.886	VV	39	559	0.20%	0.104%
68	7.890	7.886	7.903	VV	30	264	0.09%	0.049%
69	7.914	7.903	7.933	VV	34	468	0.16%	0.087%
70	7.941	7.933	7.973	VV	24	510	0.18%	0.095%
71	7.997	7.973	8.005	VV	33	506	0.18%	0.094%
72	8.078	8.005	8.116	VV	44	2056	0.72%	0.382%
73	8.134	8.116	8.165	VV	39	932	0.33%	0.173%
74	8.175	8.165	8.198	VV	47	674	0.24%	0.125%
75	8.205	8.198	8.212	VV	31	223	0.08%	0.042%
76	8.223	8.212	8.244	VV	53	595	0.21%	0.111%
77	8.258	8.244	8.290	VV	42	812	0.29%	0.151%
78	8.297	8.290	8.304	VV	30	215	0.08%	0.040%
79	8.313	8.304	8.330	VV	38	480	0.17%	0.089%
80	8.346	8.330	8.364	VV	44	639	0.22%	0.119%
81	8.378	8.364	8.417	VV	37	887	0.31%	0.165%
82	8.432	8.417	8.444	VV	38	479	0.17%	0.089%
83	8.454	8.444	8.484	VV	36	645	0.23%	0.120%
84	8.493	8.484	8.550	VV	35	1198	0.42%	0.223%
85	8.560	8.550	8.582	VV	28	463	0.16%	0.086%
86	8.609	8.582	8.637	VV	36	624	0.22%	0.116%
87	8.646	8.637	8.651	PV	16	80	0.03%	0.015%
88	8.790	8.651	8.969	VV	4848	284411	100.00%	52.874%
89	8.976	8.969	8.993	VV	99	1276	0.45%	0.237%

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90	9.013	8.993	9.033	VV	73	1653	0.58%	0.307%
91	9.045	9.033	9.088	VV	71	1955	0.69%	0.363%
92	9.115	9.088	9.141	VV	74	1775	0.62%	0.330%
93	9.152	9.141	9.171	VV	62	946	0.33%	0.176%
94	9.188	9.171	9.212	VV	57	1045	0.37%	0.194%
95	9.222	9.212	9.278	VV	43	1129	0.40%	0.210%
96	9.293	9.278	9.302	VV	45	391	0.14%	0.073%
97	9.313	9.302	9.321	VV	36	341	0.12%	0.063%
98	9.345	9.321	9.353	VV	48	705	0.25%	0.131%
99	9.362	9.353	9.381	VV	49	740	0.26%	0.138%
100	9.393	9.381	9.413	VV	57	816	0.29%	0.152%
101	9.454	9.413	9.493	VV	62	2100	0.74%	0.390%
102	9.501	9.493	9.544	VV	38	826	0.29%	0.154%
103	9.574	9.544	9.586	VV	33	498	0.18%	0.093%
104	9.620	9.586	9.638	VV	38	661	0.23%	0.123%
105	9.656	9.638	9.697	VV	37	840	0.30%	0.156%
106	9.726	9.697	9.734	VV	49	580	0.20%	0.108%
107	9.773	9.734	9.792	VV	53	1227	0.43%	0.228%
108	9.932	9.792	10.063	VV	264	22081	7.76%	4.105%
109	10.087	10.063	10.101	VV	37	744	0.26%	0.138%
110	10.136	10.101	10.151	VV	42	860	0.30%	0.160%
111	10.160	10.151	10.198	VV	42	667	0.23%	0.124%
112	10.393	10.198	10.541	VV	243	24408	8.58%	4.538%
113	10.586	10.541	10.595	VV	60	1252	0.44%	0.233%
114	10.610	10.595	10.661	VV	70	1759	0.62%	0.327%
115	10.684	10.661	10.741	VV	41	1437	0.51%	0.267%
116	10.758	10.741	10.788	VV	35	636	0.22%	0.118%
117	10.823	10.788	10.847	VV	36	874	0.31%	0.163%
118	10.876	10.847	10.911	VV	32	710	0.25%	0.132%
119	10.925	10.911	10.932	VV	25	190	0.07%	0.035%
120	10.940	10.932	10.973	VV	25	362	0.13%	0.067%
121	10.984	10.973	11.014	VV	21	345	0.12%	0.064%
122	11.031	11.014	11.044	VV	26	250	0.09%	0.046%
123	11.068	11.044	11.077	VV	18	249	0.09%	0.046%
124	11.091	11.077	11.102	VV	23	201	0.07%	0.037%
125	11.119	11.102	11.150	VV	38	577	0.20%	0.107%
126	11.205	11.150	11.221	PV	34	553	0.19%	0.103%
127	11.231	11.221	11.239	VV	31	221	0.08%	0.041%
128	11.260	11.239	11.268	VV	21	241	0.08%	0.045%
129	11.283	11.268	11.293	VV	21	259	0.09%	0.048%
130	11.339	11.293	11.347	VV	49	1038	0.36%	0.193%
131	11.448	11.347	11.471	VV	181	9195	3.23%	1.709%
132	11.482	11.471	11.596	VV	183	7948	2.79%	1.478%
133	11.609	11.596	11.621	VV	27	352	0.12%	0.065%
134	11.633	11.621	11.644	VV	36	306	0.11%	0.057%
135	11.677	11.644	11.711	VV	25	829	0.29%	0.154%
136	11.722	11.711	11.768	VV	35	854	0.30%	0.159%
137	11.798	11.768	11.827	VV	34	780	0.27%	0.145%
138	11.834	11.827	11.866	VV	59	718	0.25%	0.133%
139	11.877	11.866	11.886	VV	36	311	0.11%	0.058%
140	11.895	11.886	11.912	VV	29	391	0.14%	0.073%
141	11.921	11.912	11.959	VV	28	557	0.20%	0.104%

142	11.968	11.959	11.991	VV	27	285	0.10%	0.053%
143	12.031	11.991	12.046	VV	21	465	0.16%	0.086%
144	12.061	12.046	12.083	VV	30	447	0.16%	0.083%
145	12.111	12.083	12.119	VV	37	582	0.20%	0.108%
146	12.128	12.119	12.166	VV	35	835	0.29%	0.155%
147	12.182	12.166	12.205	VV	40	549	0.19%	0.102%
148	12.217	12.205	12.238	VV	28	387	0.14%	0.072%
149	12.278	12.238	12.303	VV	40	1013	0.36%	0.188%
150	12.309	12.303	12.321	VV	32	298	0.10%	0.055%
151	12.341	12.321	12.400	VV	44	1362	0.48%	0.253%
152	12.411	12.400	12.419	VV	23	153	0.05%	0.029%
153	12.438	12.419	12.447	VV	27	300	0.11%	0.056%
154	12.456	12.447	12.473	VV	23	254	0.09%	0.047%
155	12.499	12.473	12.509	VV	35	418	0.15%	0.078%
156	12.525	12.509	12.548	VV	27	468	0.16%	0.087%
157	12.554	12.548	12.597	VV	23	308	0.11%	0.057%
158	12.629	12.597	12.648	VV	47	623	0.22%	0.116%
159	12.663	12.648	12.683	VV	31	417	0.15%	0.078%
160	12.697	12.683	12.721	VV	22	403	0.14%	0.075%
161	12.735	12.721	12.768	VV	36	708	0.25%	0.132%
162	12.794	12.768	12.834	VV	28	866	0.30%	0.161%
163	12.854	12.834	12.875	VV	39	577	0.20%	0.107%
164	12.893	12.875	12.909	VV	33	498	0.18%	0.093%
165	12.923	12.909	12.931	VV	34	330	0.12%	0.061%
166	12.940	12.931	12.951	VV	31	342	0.12%	0.064%
167	12.968	12.951	12.986	VV	55	596	0.21%	0.111%
168	13.032	12.986	13.040	PV	33	714	0.25%	0.133%
169	13.070	13.040	13.089	VV	41	956	0.34%	0.178%
170	13.104	13.089	13.127	VV	47	750	0.26%	0.139%
171	13.181	13.127	13.215	VV	81	2503	0.88%	0.465%
172	13.231	13.215	13.260	VV	50	892	0.31%	0.166%
173	13.288	13.260	13.297	VV	31	531	0.19%	0.099%
174	13.306	13.297	13.341	VV	28	545	0.19%	0.101%
175	13.360	13.341	13.384	VV	41	682	0.24%	0.127%
176	13.415	13.384	13.438	VV	33	775	0.27%	0.144%
177	13.445	13.438	13.455	VV	22	160	0.06%	0.030%
178	13.487	13.455	13.514	VV	33	782	0.28%	0.145%
179	13.537	13.514	13.566	VV	33	657	0.23%	0.122%
180	13.591	13.566	13.625	VV	32	713	0.25%	0.133%
181	13.651	13.625	13.670	VV	28	582	0.20%	0.108%
182	13.700	13.670	13.708	VV	30	468	0.16%	0.087%
183	13.723	13.708	13.743	VV	35	526	0.19%	0.098%
184	13.756	13.743	13.764	VV	23	235	0.08%	0.044%
185	13.799	13.764	13.809	VV	27	588	0.21%	0.109%
186	13.814	13.809	13.821	VV	23	146	0.05%	0.027%
187	13.968	13.821	13.978	VV	134	5406	1.90%	1.005%
188	14.114	13.978	14.249	VV	333	32167	11.31%	5.980%
189	14.338	14.249	14.447	VV	200	13222	4.65%	2.458%
190	14.456	14.447	14.475	VV	31	438	0.15%	0.081%
191	14.484	14.475	14.502	VV	27	335	0.12%	0.062%
192	14.511	14.502	14.517	VV	22	160	0.06%	0.030%
193	14.528	14.517	14.541	VV	24	287	0.10%	0.053%
194	14.575	14.541	14.582	VV	53	675	0.24%	0.125%

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195	14.590	14.582	14.608	VV	55	425	0.15%	0.079%
196	14.621	14.608	14.629	VV	22	201	0.07%	0.037%
197	14.647	14.629	14.665	VV	22	403	0.14%	0.075%
198	14.674	14.665	14.716	VV	27	568	0.20%	0.106%
199	14.732	14.716	14.742	VV	39	420	0.15%	0.078%
200	14.755	14.742	14.772	VV	43	423	0.15%	0.079%
201	14.780	14.772	14.798	VV	36	372	0.13%	0.069%
202	14.809	14.798	14.827	VV	40	433	0.15%	0.081%
203	14.850	14.827	14.869	VV	55	816	0.29%	0.152%
204	14.897	14.869	14.909	VV	55	1053	0.37%	0.196%
205	14.921	14.909	14.973	VV	59	1574	0.55%	0.293%
206	14.984	14.973	15.011	VV	38	619	0.22%	0.115%
207	15.018	15.011	15.066	VV	35	1062	0.37%	0.197%
208	15.079	15.066	15.087	VV	55	492	0.17%	0.091%
209	15.092	15.087	15.120	VV	45	624	0.22%	0.116%
210	15.128	15.120	15.166	VV	38	629	0.22%	0.117%
211	15.175	15.166	15.184	VV	23	195	0.07%	0.036%
212	15.206	15.184	15.264	VV	32	1223	0.43%	0.227%
213	15.279	15.264	15.290	VV	46	589	0.21%	0.109%
214	15.306	15.290	15.315	VV	62	642	0.23%	0.119%
215	15.358	15.315	15.370	VV	78	2040	0.72%	0.379%
216	15.407	15.370	15.430	VV	88	2447	0.86%	0.455%
217	15.440	15.430	15.478	VV	56	1341	0.47%	0.249%
218	15.486	15.478	15.499	VV	42	459	0.16%	0.085%
219	15.506	15.499	15.538	VV	37	638	0.22%	0.119%
220	15.546	15.538	15.554	VV	37	283	0.10%	0.053%
221	15.565	15.554	15.572	VV	29	281	0.10%	0.052%
222	15.582	15.572	15.601	VV	30	476	0.17%	0.089%
223	15.620	15.601	15.647	VV	34	772	0.27%	0.143%
224	15.659	15.647	15.693	VV	37	732	0.26%	0.136%
225	15.702	15.693	15.715	VV	38	343	0.12%	0.064%
226	15.724	15.715	15.729	VV	23	136	0.05%	0.025%
227	15.750	15.729	15.766	VV	33	501	0.18%	0.093%
228	15.783	15.766	15.790	VV	37	289	0.10%	0.054%
229	15.812	15.790	15.841	VV	43	623	0.22%	0.116%
230	15.874	15.841	15.883	PV	23	359	0.13%	0.067%
231	15.940	15.883	15.957	VV	34	1117	0.39%	0.208%
232	15.967	15.957	15.994	VV	37	664	0.23%	0.123%
233	16.007	15.994	16.019	VV	45	400	0.14%	0.074%
234	16.028	16.019	16.079	VV	23	524	0.18%	0.097%
235	16.102	16.079	16.110	VV	22	242	0.09%	0.045%
236	16.133	16.110	16.144	VV	28	370	0.13%	0.069%
237	16.164	16.144	16.174	VV	61	843	0.30%	0.157%
238	16.205	16.174	16.272	VV	82	3200	1.13%	0.595%
239	16.280	16.272	16.305	VV	27	380	0.13%	0.071%
240	16.316	16.305	16.343	VV	26	365	0.13%	0.068%
241	16.386	16.343	16.397	PV	11	273	0.10%	0.051%
			Sum of corrected areas:			537903		

FB011525.M Fri Jan 31 01:26:13 2025

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/28/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/29/25
Client Sample ID:	JPP-21.1-012825	SDG No.:	Q1216
Lab Sample ID:	Q1216-05	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	91.4 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
FB031405.D	50	01/30/25 21:46	FB013025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	552	J	422	2460	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\FB013025\
Data File : FB031405.D
Signal(s) : FID2B.CH
Acq On : 30 Jan 2025 21:46
Operator : YP/AJ
Sample : Q1216-05 50X
Misc : 5.00G/5.00 ML MEOH
ALS Vial : 28 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
JPP-21.1-012825

Integration File: Calibration.e
Quant Time: Jan 31 00:57:10 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	8.789	465441	19.513 ng/ml
Target Compounds				

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

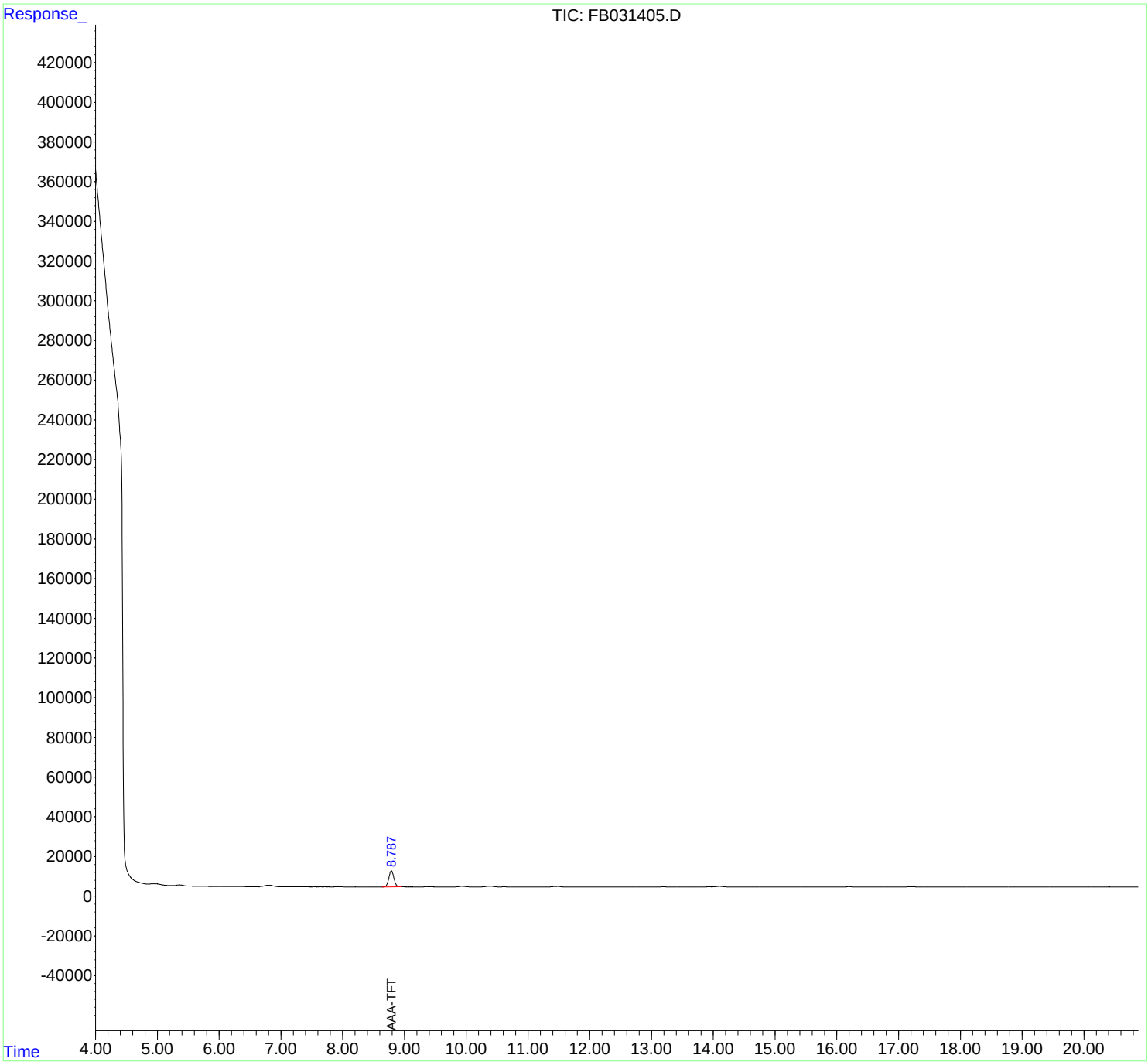
Quantitation Report (QT Reviewed)

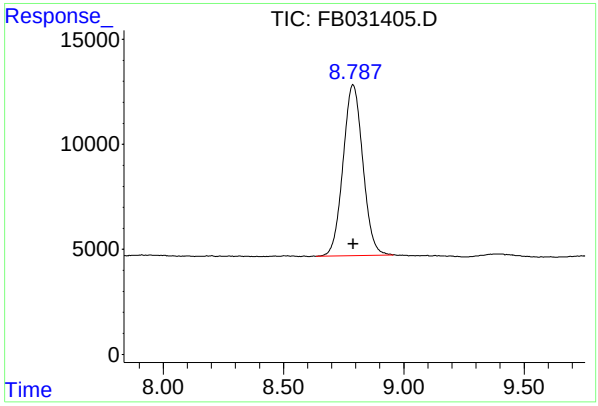
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013025\
Data File : FB031405.D
Signal(s) : FID2B.CH
Acq On : 30 Jan 2025 21:46
Operator : YP/AJ
Sample : Q1216-05 50X
Misc : 5.00G/5.00 ML MEOH
ALS Vial : 28 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
JPP-21.1-012825

Integration File: Calibration.e
Quant Time: Jan 31 00:57:10 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.: 8.789 min
Delta R.T.: 0.000 mi
Response: 465441
Conc: 19.51 ng/m

Instrument :
FID_B
ClientSampleId :
JPP-21.1-012825

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013025\
Data File : FB031405.D
Signal(s) : FID2B.CH
Acq On : 30 Jan 2025 21:46
Sample : Q1216-05 50X
Misc : 5.00G/5.00 ML MEOH
ALS Vial : 28 Sample Multiplier: 1

Integration File: SAMPLE.e

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

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	5.233	5.227	5.259	PV	11	277	0.06%	0.033%
2	5.552	5.545	5.582	PV	15	138	0.03%	0.017%
3	5.590	5.582	5.612	PV	16	228	0.05%	0.028%
4	5.619	5.612	5.648	VV	17	226	0.05%	0.027%
5	5.661	5.648	5.696	VV	27	362	0.08%	0.044%
6	5.708	5.696	5.724	VV	29	276	0.06%	0.033%
7	5.738	5.724	5.757	VV	31	355	0.07%	0.043%
8	5.781	5.757	5.811	PV	38	503	0.11%	0.061%
9	5.820	5.811	5.870	PV	20	383	0.08%	0.046%
10	5.878	5.870	5.918	VV	27	305	0.06%	0.037%
11	5.923	5.918	5.954	VV	23	333	0.07%	0.040%
12	5.965	5.954	5.984	VV	28	305	0.06%	0.037%
13	5.993	5.984	6.000	PV	21	115	0.02%	0.014%
14	6.018	6.000	6.035	VV	34	535	0.11%	0.065%
15	6.057	6.035	6.068	VV	26	441	0.09%	0.053%
16	6.084	6.068	6.121	VV	42	1008	0.21%	0.122%
17	6.173	6.121	6.236	VV	70	3385	0.71%	0.409%
18	6.244	6.236	6.281	VV	40	736	0.15%	0.089%
19	6.290	6.281	6.300	VV	30	267	0.06%	0.032%
20	6.311	6.300	6.329	VV	35	458	0.10%	0.055%
21	6.341	6.329	6.355	VV	38	371	0.08%	0.045%
22	6.377	6.355	6.406	VV	26	590	0.12%	0.071%
23	6.419	6.406	6.469	VV	31	472	0.10%	0.057%
24	6.485	6.469	6.493	PV	25	149	0.03%	0.018%
25	6.505	6.493	6.535	PV	18	222	0.05%	0.027%
26	6.548	6.535	6.588	VV	20	487	0.10%	0.059%
27	6.597	6.588	6.607	VV	29	206	0.04%	0.025%
28	7.000	6.992	7.007	VV	21	157	0.03%	0.019%
29	7.014	7.007	7.025	VV	26	167	0.03%	0.020%
30	7.035	7.025	7.040	PV	30	172	0.04%	0.021%
31	7.048	7.040	7.061	VV	47	361	0.08%	0.044%
32	7.093	7.061	7.138	VV	43	1270	0.27%	0.153%
33	7.145	7.138	7.154	VV	26	177	0.04%	0.021%
34	7.162	7.154	7.207	VV	23	381	0.08%	0.046%
35	7.225	7.207	7.251	PV	25	294	0.06%	0.036%
36	7.260	7.251	7.298	VV	15	176	0.04%	0.021%

rteres

37	7.321	7.298	7.333	VV	18	228	0.05%	0.028%
38	7.355	7.333	7.366	VV	18	208	0.04%	0.025%
39	7.392	7.366	7.419	VV	25	520	0.11%	0.063%
40	7.428	7.419	7.440	VV	20	164	0.03%	0.020%
41	7.455	7.440	7.472	VV	25	290	0.06%	0.035%
42	7.478	7.472	7.508	VV	15	155	0.03%	0.019%
43	7.529	7.508	7.547	PV	21	219	0.05%	0.027%
44	7.561	7.547	7.582	VV	17	238	0.05%	0.029%
45	7.592	7.582	7.606	VV	25	235	0.05%	0.028%
46	7.615	7.606	7.625	VV	19	165	0.03%	0.020%
47	7.656	7.625	7.668	VV	30	526	0.11%	0.064%
48	7.698	7.668	7.710	VV	37	563	0.12%	0.068%
49	7.717	7.710	7.735	VV	37	462	0.10%	0.056%
50	7.754	7.735	7.764	VV	40	539	0.11%	0.065%
51	7.775	7.764	7.818	VV	38	786	0.16%	0.095%
52	7.839	7.818	7.850	VV	26	319	0.07%	0.039%
53	7.912	7.850	7.936	VV	69	2358	0.49%	0.285%
54	7.946	7.936	7.970	VV	62	1109	0.23%	0.134%
55	7.992	7.970	7.999	VV	52	820	0.17%	0.099%
56	8.007	7.999	8.030	VV	57	708	0.15%	0.086%
57	8.043	8.030	8.061	VV	32	420	0.09%	0.051%
58	8.066	8.061	8.086	VV	25	278	0.06%	0.034%
59	8.106	8.086	8.132	VV	31	528	0.11%	0.064%
60	8.145	8.132	8.156	PV	18	173	0.04%	0.021%
61	8.203	8.156	8.220	VV	47	958	0.20%	0.116%
62	8.236	8.220	8.264	VV	34	523	0.11%	0.063%
63	8.275	8.264	8.306	VV	33	550	0.11%	0.066%
64	8.317	8.306	8.362	VV	37	729	0.15%	0.088%
65	8.369	8.362	8.381	VV	16	126	0.03%	0.015%
66	8.389	8.381	8.400	VV	21	130	0.03%	0.016%
67	8.467	8.400	8.488	VV	33	1045	0.22%	0.126%
68	8.504	8.488	8.531	VV	57	992	0.21%	0.120%
69	8.539	8.531	8.572	VV	42	653	0.14%	0.079%
70	8.587	8.572	8.604	VV	36	460	0.10%	0.056%
71	8.627	8.604	8.636	VV	36	469	0.10%	0.057%
72	8.789	8.636	8.979	VV	8202	478938	100.00%	57.880%
73	8.985	8.979	9.022	VV	94	2092	0.44%	0.253%
74	9.037	9.022	9.049	VV	73	1072	0.22%	0.130%
75	9.056	9.049	9.090	VV	65	1550	0.32%	0.187%
76	9.099	9.090	9.118	VV	78	1089	0.23%	0.132%
77	9.131	9.118	9.160	VV	75	1577	0.33%	0.191%
78	9.172	9.160	9.182	VV	56	673	0.14%	0.081%
79	9.194	9.182	9.214	VV	56	885	0.18%	0.107%
80	9.223	9.214	9.263	VV	44	555	0.12%	0.067%
81	9.320	9.263	9.329	VV	90	1879	0.39%	0.227%
82	9.384	9.329	9.530	VV	156	12567	2.62%	1.519%
83	9.541	9.530	9.560	VV	27	275	0.06%	0.033%
84	9.572	9.560	9.582	VV	27	181	0.04%	0.022%
85	9.611	9.582	9.631	VV	25	467	0.10%	0.056%
86	9.694	9.631	9.702	VV	52	940	0.20%	0.114%
87	9.723	9.702	9.730	VV	66	906	0.19%	0.110%
88	9.777	9.730	9.812	VV	82	3526	0.74%	0.426%
89	9.926	9.812	10.161	VV	388	33555	7.01%	4.055%

rteres

90	10.170	10.161	10.198	VV	28	449	0.09%	0.054%
91	10.370	10.198	10.542	VV	481	46799	9.77%	5.656%
92	10.630	10.542	10.664	VV	140	7760	1.62%	0.938%
93	10.671	10.664	10.697	VV	90	1392	0.29%	0.168%
94	10.712	10.697	10.732	VV	71	1208	0.25%	0.146%
95	10.753	10.732	10.760	VV	73	1022	0.21%	0.124%
96	10.818	10.760	10.857	VV	93	4169	0.87%	0.504%
97	10.872	10.857	10.903	VV	46	803	0.17%	0.097%
98	10.927	10.903	10.959	VV	36	798	0.17%	0.096%
99	10.996	10.959	11.050	VV	35	1366	0.29%	0.165%
100	11.059	11.050	11.113	VV	25	604	0.13%	0.073%
101	11.133	11.113	11.145	VV	28	401	0.08%	0.049%
102	11.162	11.145	11.204	VV	38	686	0.14%	0.083%
103	11.215	11.204	11.229	PV	17	163	0.03%	0.020%
104	11.262	11.229	11.276	VV	38	694	0.14%	0.084%
105	11.450	11.276	11.458	VV	373	17270	3.61%	2.087%
106	11.472	11.458	11.656	VV	385	20576	4.30%	2.487%
107	11.666	11.656	11.687	VV	35	535	0.11%	0.065%
108	11.695	11.687	11.703	VV	31	236	0.05%	0.029%
109	11.713	11.703	11.731	VV	33	405	0.08%	0.049%
110	11.749	11.731	11.791	VV	45	1263	0.26%	0.153%
111	11.849	11.791	11.860	VV	76	1795	0.37%	0.217%
112	11.880	11.860	11.953	VV	65	2502	0.52%	0.302%
113	11.963	11.953	11.980	VV	27	321	0.07%	0.039%
114	11.991	11.980	12.007	VV	22	256	0.05%	0.031%
115	12.033	12.007	12.041	VV	31	423	0.09%	0.051%
116	12.048	12.041	12.065	VV	32	347	0.07%	0.042%
117	12.080	12.065	12.088	VV	38	406	0.08%	0.049%
118	12.108	12.088	12.153	VV	54	1391	0.29%	0.168%
119	12.169	12.153	12.178	VV	35	413	0.09%	0.050%
120	12.209	12.178	12.219	VV	40	734	0.15%	0.089%
121	12.228	12.219	12.241	VV	32	394	0.08%	0.048%
122	12.256	12.241	12.275	VV	41	702	0.15%	0.085%
123	12.294	12.275	12.303	VV	58	736	0.15%	0.089%
124	12.317	12.303	12.336	VV	62	859	0.18%	0.104%
125	12.346	12.336	12.362	VV	57	670	0.14%	0.081%
126	12.370	12.362	12.408	VV	42	688	0.14%	0.083%
127	12.427	12.408	12.460	VV	24	365	0.08%	0.044%
128	12.492	12.460	12.517	PV	23	338	0.07%	0.041%
129	12.530	12.517	12.545	VV	15	178	0.04%	0.022%
130	12.568	12.545	12.597	VV	34	605	0.13%	0.073%
131	12.615	12.597	12.630	VV	31	370	0.08%	0.045%
132	12.650	12.630	12.690	VV	28	785	0.16%	0.095%
133	12.697	12.690	12.751	VV	37	989	0.21%	0.120%
134	12.759	12.751	12.788	VV	35	606	0.13%	0.073%
135	12.796	12.788	12.854	VV	27	768	0.16%	0.093%
136	12.863	12.854	12.876	VV	21	181	0.04%	0.022%
137	12.894	12.876	12.904	VV	14	193	0.04%	0.023%
138	12.913	12.904	12.920	VV	12	97	0.02%	0.012%
139	12.932	12.920	12.948	VV	22	298	0.06%	0.036%
140	13.059	12.948	13.121	VV	105	5634	1.18%	0.681%
141	13.183	13.121	13.310	VV	247	13609	2.84%	1.645%

rteres

142	13.321	13.310	13.330	VV	30	289	0.06%	0.035%
143	13.335	13.330	13.359	VV	28	234	0.05%	0.028%
144	13.381	13.359	13.435	VV	39	951	0.20%	0.115%
145	13.447	13.435	13.457	VV	26	256	0.05%	0.031%
146	13.501	13.457	13.512	VV	33	802	0.17%	0.097%
147	13.545	13.512	13.553	VV	41	698	0.15%	0.084%
148	13.559	13.553	13.569	VV	27	203	0.04%	0.024%
149	13.595	13.569	13.603	VV	22	333	0.07%	0.040%
150	13.614	13.603	13.627	VV	32	314	0.07%	0.038%
151	13.654	13.627	13.687	VV	25	563	0.12%	0.068%
152	13.694	13.687	13.708	VV	10	108	0.02%	0.013%
153	13.731	13.708	13.747	PV	23	365	0.08%	0.044%
154	13.763	13.747	13.773	VV	30	359	0.07%	0.043%
155	13.780	13.773	13.790	VV	28	239	0.05%	0.029%
156	13.826	13.790	13.832	VV	30	628	0.13%	0.076%
157	13.920	13.832	13.962	VV	175	8392	1.75%	1.014%
158	13.966	13.962	13.985	VV	148	1845	0.39%	0.223%
159	14.101	13.985	14.294	VV	415	38870	8.12%	4.697%
160	14.325	14.294	14.337	VV	55	1168	0.24%	0.141%
161	14.348	14.337	14.367	VV	64	980	0.20%	0.118%
162	14.376	14.367	14.386	VV	63	543	0.11%	0.066%
163	14.400	14.386	14.449	VV	57	1361	0.28%	0.164%
164	14.458	14.449	14.490	VV	44	726	0.15%	0.088%
165	14.499	14.490	14.517	VV	34	450	0.09%	0.054%
166	14.527	14.517	14.569	VV	34	815	0.17%	0.098%
167	14.579	14.569	14.594	VV	28	296	0.06%	0.036%
168	14.709	14.594	14.738	VV	32	1701	0.36%	0.206%
169	14.746	14.738	14.760	VV	25	174	0.04%	0.021%
170	14.778	14.760	14.826	PV	34	694	0.14%	0.084%
171	14.839	14.826	14.854	VV	21	256	0.05%	0.031%
172	14.916	14.854	14.969	VV	31	1505	0.31%	0.182%
173	15.059	14.969	15.147	VV	99	5537	1.16%	0.669%
174	15.164	15.147	15.177	VV	29	450	0.09%	0.054%
175	15.229	15.177	15.281	VV	49	2277	0.48%	0.275%
176	15.391	15.281	15.431	VV	85	5460	1.14%	0.660%
177	15.448	15.431	15.502	VV	66	2125	0.44%	0.257%
178	15.515	15.502	15.551	VV	38	714	0.15%	0.086%
179	15.564	15.551	15.590	VV	32	482	0.10%	0.058%
180	15.627	15.590	15.645	VV	43	839	0.18%	0.101%
181	15.672	15.645	15.734	VV	36	1246	0.26%	0.151%
182	15.748	15.734	15.764	VV	28	263	0.05%	0.032%
183	15.782	15.764	15.812	VV	22	328	0.07%	0.040%
184	15.834	15.812	15.870	VV	21	473	0.10%	0.057%
185	15.952	15.870	16.074	VV	58	3604	0.75%	0.436%
186	16.103	16.074	16.115	PV	27	365	0.08%	0.044%
187	16.199	16.115	16.319	VV	268	12919	2.70%	1.561%
188	16.346	16.319	16.369	PV	22	357	0.07%	0.043%
			Sum of corrected areas:			827469		

FB011525.M Fri Jan 31 01:28:07 2025

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/28/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/29/25
Client Sample ID:	JPP-21.2-012825	SDG No.:	Q1216
Lab Sample ID:	Q1216-09	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	84.3 Decanted:
Sample Wt/Vol:	5.09 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
FB031406.D	50	01/30/25 22:13	FB013025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	520	J	450	2620	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	19.4		50 - 150	97%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013025\
Data File : FB031406.D
Signal(s) : FID2B.CH
Acq On : 30 Jan 2025 22:13
Operator : YP/AJ
Sample : Q1216-09 50X
Misc : 5.09G/5.00 ML MEOH
ALS Vial : 29 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
JPP-21.2-012825

Integration File: Calibration.e
Quant Time: Jan 31 00:57:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
5) s AAA-TFT	8.790	463340	19.425 ng/ml
Target Compounds			

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

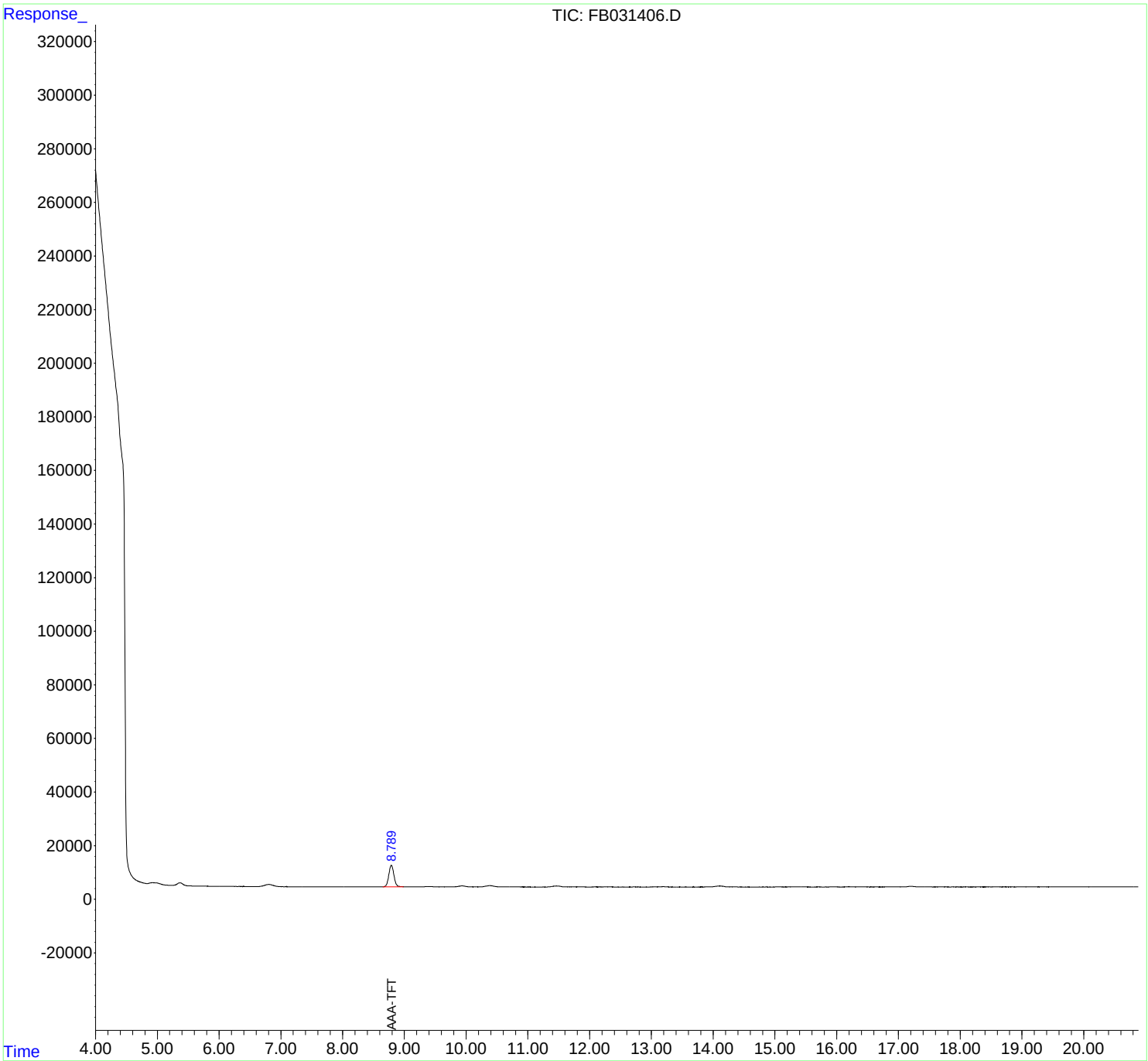
Quantitation Report (QT Reviewed)

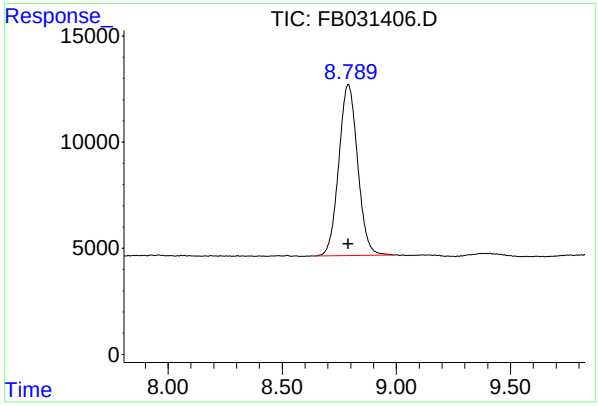
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013025\
Data File : FB031406.D
Signal(s) : FID2B.CH
Acq On : 30 Jan 2025 22:13
Operator : YP/AJ
Sample : Q1216-09 50X
Misc : 5.09G/5.00 ML MEOH
ALS Vial : 29 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
JPP-21.2-012825

Integration File: Calibration.e
Quant Time: Jan 31 00:57:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#5 AAA-TFT

R.T.: 8.790 min
Delta R.T.: 0.000 mi
Response: 463340
Conc: 19.43 ng/m

Instrument :
FID_B
ClientSampleId :
JPP-21.2-012825

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\FB013025\
Data File : FB031406.D
Signal(s) : FID2B.CH
Acq On : 30 Jan 2025 22:13
Sample : Q1216-09 50X
Misc : 5.09G/5.00 ML MEOH
ALS Vial : 29 Sample Multiplier: 1

Integration File: SAMPLE.e

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

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	5.593	5.584	5.611	PV	21	158	0.03%	0.020%
2	5.620	5.611	5.630	PV	9	51	0.01%	0.007%
3	5.644	5.630	5.684	VV	26	400	0.08%	0.051%
4	5.691	5.684	5.734	VV	17	266	0.06%	0.034%
5	5.747	5.734	5.760	PV	12	125	0.03%	0.016%
6	5.782	5.760	5.798	PV	24	370	0.08%	0.047%
7	5.806	5.798	5.848	VV	21	419	0.09%	0.054%
8	5.868	5.848	5.944	VV	20	463	0.10%	0.059%
9	5.960	5.944	5.976	VV	38	376	0.08%	0.048%
10	5.994	5.976	6.009	PV	24	259	0.05%	0.033%
11	6.022	6.009	6.051	PV	37	505	0.11%	0.064%
12	6.059	6.051	6.101	VV	21	483	0.10%	0.062%
13	6.121	6.101	6.144	VV	38	763	0.16%	0.097%
14	6.153	6.144	6.174	VV	44	564	0.12%	0.072%
15	6.200	6.174	6.232	VV	49	1172	0.25%	0.150%
16	6.242	6.232	6.270	VV	26	341	0.07%	0.044%
17	6.278	6.270	6.291	VV	20	164	0.03%	0.021%
18	6.330	6.291	6.338	PV	31	529	0.11%	0.068%
19	6.348	6.338	6.357	VV	37	323	0.07%	0.041%
20	6.367	6.357	6.461	VV	34	1338	0.28%	0.171%
21	6.468	6.461	6.509	PV	14	249	0.05%	0.032%
22	6.525	6.509	6.561	VV	19	293	0.06%	0.037%
23	6.567	6.561	6.577	VV	16	80	0.02%	0.010%
24	6.594	6.577	6.615	PV	24	294	0.06%	0.038%
25	7.018	7.008	7.052	VV	32	586	0.12%	0.075%
26	7.082	7.052	7.116	VV	32	797	0.17%	0.102%
27	7.127	7.116	7.140	VV	25	228	0.05%	0.029%
28	7.150	7.140	7.165	VV	18	178	0.04%	0.023%
29	7.173	7.165	7.182	VV	22	140	0.03%	0.018%
30	7.189	7.182	7.218	VV	21	285	0.06%	0.036%
31	7.222	7.218	7.252	VV	27	216	0.05%	0.028%
32	7.258	7.252	7.278	VV	13	90	0.02%	0.011%
33	7.303	7.278	7.323	PV	24	294	0.06%	0.038%
34	7.333	7.323	7.357	VV	19	255	0.05%	0.033%
35	7.402	7.357	7.439	VV	33	1008	0.21%	0.129%
36	7.457	7.439	7.484	VV	27	445	0.09%	0.057%

rteres

37	7.506	7.484	7.530	PV	21	429	0.09%	0.055%
38	7.538	7.530	7.547	VV	16	133	0.03%	0.017%
39	7.565	7.547	7.584	VV	35	464	0.10%	0.059%
40	7.595	7.584	7.607	VV	22	247	0.05%	0.032%
41	7.614	7.607	7.621	VV	22	113	0.02%	0.014%
42	7.644	7.621	7.651	VV	31	370	0.08%	0.047%
43	7.662	7.651	7.689	VV	34	477	0.10%	0.061%
44	7.703	7.689	7.715	VV	34	355	0.08%	0.045%
45	7.727	7.715	7.742	VV	29	363	0.08%	0.046%
46	7.755	7.742	7.770	VV	45	464	0.10%	0.059%
47	7.778	7.770	7.788	VV	26	254	0.05%	0.032%
48	7.796	7.788	7.805	VV	36	242	0.05%	0.031%
49	7.863	7.805	7.888	VV	34	997	0.21%	0.127%
50	7.895	7.888	7.910	VV	41	416	0.09%	0.053%
51	7.926	7.910	7.940	VV	50	670	0.14%	0.086%
52	7.961	7.940	8.000	VV	55	1292	0.27%	0.165%
53	8.011	8.000	8.032	VV	31	425	0.09%	0.054%
54	8.058	8.032	8.085	VV	39	791	0.17%	0.101%
55	8.094	8.085	8.148	VV	29	557	0.12%	0.071%
56	8.166	8.148	8.176	VV	21	241	0.05%	0.031%
57	8.188	8.176	8.219	VV	33	501	0.11%	0.064%
58	8.229	8.219	8.245	VV	28	251	0.05%	0.032%
59	8.255	8.245	8.264	VV	22	169	0.04%	0.022%
60	8.272	8.264	8.281	VV	25	145	0.03%	0.018%
61	8.304	8.281	8.341	PV	30	580	0.12%	0.074%
62	8.351	8.341	8.385	VV	20	380	0.08%	0.048%
63	8.402	8.385	8.430	VV	19	359	0.08%	0.046%
64	8.486	8.430	8.496	VV	39	898	0.19%	0.115%
65	8.523	8.496	8.542	VV	50	839	0.18%	0.107%
66	8.556	8.542	8.579	VV	27	436	0.09%	0.056%
67	8.635	8.579	8.643	VV	28	625	0.13%	0.080%
68	8.790	8.643	8.995	VV	8110	473191	100.00%	60.387%
69	9.001	8.995	9.058	VV	82	2476	0.52%	0.316%
70	9.116	9.058	9.131	VV	84	2942	0.62%	0.375%
71	9.144	9.131	9.258	VV	80	3321	0.70%	0.424%
72	9.382	9.258	9.405	VV	152	8233	1.74%	1.051%
73	9.410	9.405	9.564	VV	163	6706	1.42%	0.856%
74	9.619	9.564	9.659	VV	24	703	0.15%	0.090%
75	9.929	9.659	10.109	VV	408	38840	8.21%	4.957%
76	10.138	10.109	10.187	VV	32	846	0.18%	0.108%
77	10.385	10.187	10.552	VV	502	49049	10.37%	6.259%
78	10.619	10.552	10.711	VV	81	5692	1.20%	0.726%
79	10.751	10.711	10.766	VV	70	1564	0.33%	0.200%
80	10.793	10.766	10.913	VV	88	3821	0.81%	0.488%
81	10.924	10.913	10.976	VV	27	641	0.14%	0.082%
82	11.003	10.976	11.094	VV	30	972	0.21%	0.124%
83	11.118	11.094	11.158	PV	21	285	0.06%	0.036%
84	11.215	11.158	11.231	VV	16	324	0.07%	0.041%
85	11.248	11.231	11.267	VV	28	294	0.06%	0.037%
86	11.278	11.267	11.315	VV	17	464	0.10%	0.059%
87	11.463	11.315	11.644	VV	393	37150	7.85%	4.741%
88	11.766	11.644	11.788	VV	46	2750	0.58%	0.351%
89	11.880	11.788	11.975	VV	72	4217	0.89%	0.538%

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90	12.006	11.975	12.022	PV	22	416	0.09%	0.053%
91	12.094	12.022	12.136	VV	41	2083	0.44%	0.266%
92	12.163	12.136	12.191	VV	41	979	0.21%	0.125%
93	12.271	12.191	12.296	VV	48	2158	0.46%	0.275%
94	12.349	12.296	12.431	VV	55	2733	0.58%	0.349%
95	12.468	12.431	12.498	PV	32	591	0.12%	0.075%
96	12.550	12.498	12.677	VV	31	1934	0.41%	0.247%
97	12.728	12.677	12.776	VV	55	1848	0.39%	0.236%
98	12.786	12.776	12.803	VV	32	420	0.09%	0.054%
99	12.817	12.803	12.898	VV	31	928	0.20%	0.118%
100	12.917	12.898	12.963	VV	30	531	0.11%	0.068%
101	13.050	12.963	13.107	VV	66	3221	0.68%	0.411%
102	13.191	13.107	13.381	VV	146	9280	1.96%	1.184%
103	13.466	13.381	13.522	VV	32	1545	0.33%	0.197%
104	13.547	13.522	13.619	VV	33	1032	0.22%	0.132%
105	13.637	13.619	13.745	VV	21	1383	0.29%	0.176%
106	13.762	13.745	13.775	VV	27	400	0.08%	0.051%
107	13.819	13.775	13.844	VV	33	1077	0.23%	0.137%
108	14.106	13.844	14.267	VV	398	42299	8.94%	5.398%
109	14.365	14.267	14.407	VV	58	3221	0.68%	0.411%
110	14.456	14.407	14.510	VV	33	1446	0.31%	0.185%
111	14.525	14.510	14.616	VV	26	1275	0.27%	0.163%
112	14.633	14.616	14.721	VV	23	866	0.18%	0.110%
113	14.749	14.721	14.776	PV	21	383	0.08%	0.049%
114	14.811	14.776	14.830	VV	39	673	0.14%	0.086%
115	14.858	14.830	14.905	VV	31	899	0.19%	0.115%
116	14.925	14.905	14.961	VV	28	607	0.13%	0.077%
117	14.980	14.961	14.992	VV	25	310	0.07%	0.040%
118	15.053	14.992	15.201	VV	79	4752	1.00%	0.606%
119	15.241	15.201	15.283	VV	46	1621	0.34%	0.207%
120	15.348	15.283	15.388	VV	68	3419	0.72%	0.436%
121	15.423	15.388	15.588	VV	66	4584	0.97%	0.585%
122	15.669	15.588	15.791	VV	29	1654	0.35%	0.211%
123	15.821	15.791	15.869	VV	25	490	0.10%	0.063%
124	15.963	15.869	16.075	VV	47	3091	0.65%	0.394%
125	16.188	16.075	16.309	PV	110	5978	1.26%	0.763%

Sum of corrected areas: 783601

FB011525.M Fri Jan 31 01:28:25 2025

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/28/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/29/25
Client Sample ID:	JPP-26.1-012825	SDG No.:	Q1216
Lab Sample ID:	Q1216-13	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	79 Decanted:
Sample Wt/Vol:	5.06 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031407.D	50	01/30/25 22:39	FB013025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	678	J	483	2810	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	18.2		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\FB013025\
Data File : FB031407.D
Signal(s) : FID2B.CH
Acq On : 30 Jan 2025 22:39
Operator : YP/AJ
Sample : Q1216-13 50X
Misc : 5.06G/5.00 ML MEOH
ALS Vial : 30 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
JPP-26.1-012825

Integration File: Calibration.e
Quant Time: Jan 31 00:57:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
System Monitoring Compounds				
5) s	AAA-TFT	8.790	434278	18.207 ng/ml
Target Compounds				

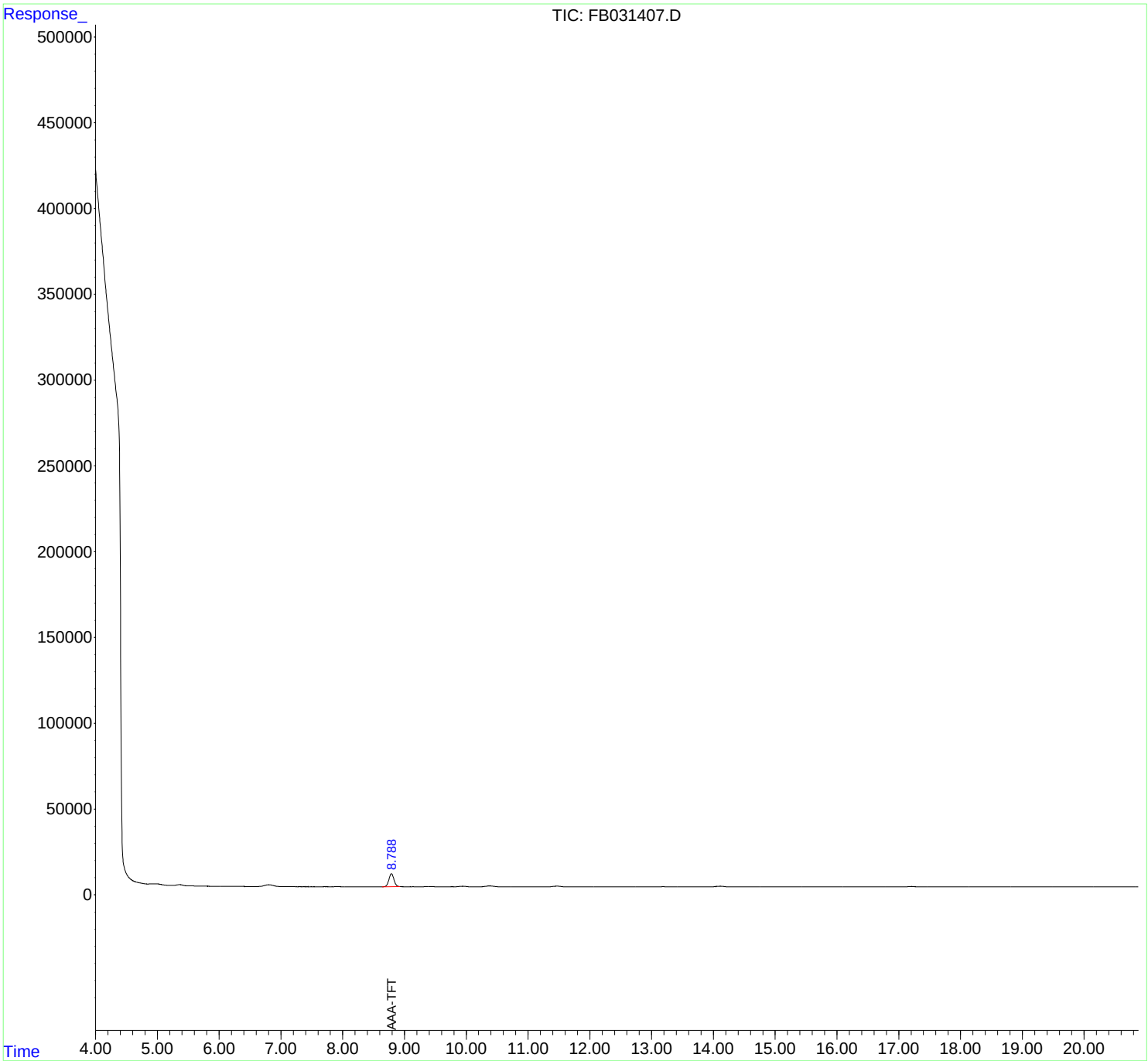
(f)=RT Delta > 1/2 Window (m)=manual int.

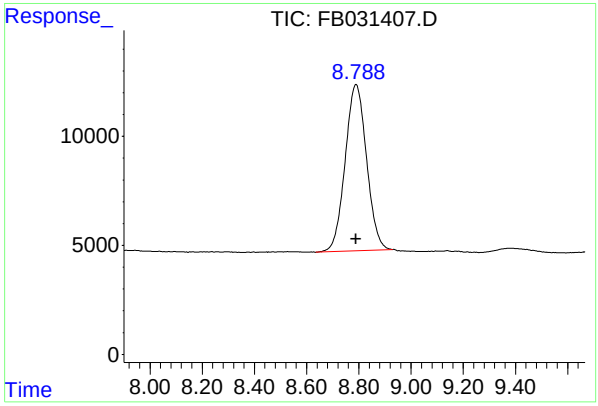
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013025\
Data File : FB031407.D
Signal(s) : FID2B.CH
Acq On : 30 Jan 2025 22:39
Operator : YP/AJ
Sample : Q1216-13 50X
Misc : 5.06G/5.00 ML MEOH
ALS Vial : 30 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
JPP-26.1-012825

Integration File: Calibration.e
Quant Time: Jan 31 00:57:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#5 AAA-TFT

R.T.: 8.790 min
Delta R.T.: 0.000 mi
Response: 434278
Conc: 18.21 ng/m

Instrument :
FID_B
ClientSampleId :
JPP-26.1-012825

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013025\
Data File : FB031407.D
Signal(s) : FID2B.CH
Acq On : 30 Jan 2025 22:39
Sample : Q1216-13 50X
Misc : 5.06G/5.00 ML MEOH
ALS Vial : 30 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	4.912	4.804	4.938	BV	241	8357	1.85%	1.015%
2	5.247	5.235	5.255	PV	26	223	0.05%	0.027%
3	5.529	5.521	5.548	VV	31	162	0.04%	0.020%
4	5.573	5.548	5.634	PV	26	697	0.15%	0.085%
5	5.642	5.634	5.678	PV	12	187	0.04%	0.023%
6	5.688	5.678	5.763	VV	31	704	0.16%	0.086%
7	5.779	5.763	5.860	PV	24	343	0.08%	0.042%
8	5.867	5.860	5.889	VV	14	199	0.04%	0.024%
9	5.904	5.889	5.929	VV	22	321	0.07%	0.039%
10	5.949	5.929	5.960	PV	21	175	0.04%	0.021%
11	5.972	5.960	5.985	VV	28	217	0.05%	0.026%
12	6.018	5.985	6.052	PV	28	739	0.16%	0.090%
13	6.063	6.052	6.086	VV	31	314	0.07%	0.038%
14	6.122	6.086	6.130	VV	35	629	0.14%	0.076%
15	6.143	6.130	6.152	VV	60	602	0.13%	0.073%
16	6.165	6.152	6.230	VV	64	2091	0.46%	0.254%
17	6.243	6.230	6.268	VV	30	473	0.10%	0.057%
18	6.275	6.268	6.286	VV	28	170	0.04%	0.021%
19	6.295	6.286	6.305	PV	9	77	0.02%	0.009%
20	6.318	6.305	6.329	VV	22	205	0.05%	0.025%
21	6.341	6.329	6.369	VV	26	499	0.11%	0.061%
22	6.375	6.369	6.421	VV	33	747	0.17%	0.091%
23	6.437	6.421	6.495	PV	24	718	0.16%	0.087%
24	6.502	6.495	6.509	VV	14	72	0.02%	0.009%
25	6.518	6.509	6.531	VV	24	191	0.04%	0.023%
26	6.539	6.531	6.561	PV	18	193	0.04%	0.023%
27	6.569	6.561	6.580	PV	23	113	0.03%	0.014%
28	6.592	6.580	6.619	VV	21	321	0.07%	0.039%
29	7.008	6.999	7.022	VV	48	504	0.11%	0.061%
30	7.031	7.022	7.048	VV	39	460	0.10%	0.056%
31	7.078	7.048	7.092	VV	42	753	0.17%	0.092%
32	7.106	7.092	7.135	VV	50	925	0.20%	0.112%
33	7.158	7.135	7.204	VV	35	948	0.21%	0.115%
34	7.210	7.204	7.241	VV	27	386	0.09%	0.047%
35	7.257	7.241	7.266	PV	18	125	0.03%	0.015%
36	7.288	7.266	7.295	VV	20	174	0.04%	0.021%

rteres

37	7.312	7.295	7.321	VV	25	263	0.06%	0.032%
38	7.334	7.321	7.345	VV	25	206	0.05%	0.025%
39	7.382	7.345	7.396	VV	27	426	0.09%	0.052%
40	7.405	7.396	7.413	VV	21	147	0.03%	0.018%
41	7.424	7.413	7.465	VV	33	478	0.11%	0.058%
42	7.492	7.465	7.525	VV	24	511	0.11%	0.062%
43	7.543	7.525	7.573	VV	36	534	0.12%	0.065%
44	7.603	7.573	7.616	VV	23	383	0.08%	0.046%
45	7.651	7.616	7.680	VV	26	779	0.17%	0.095%
46	7.702	7.680	7.721	VV	46	819	0.18%	0.100%
47	7.738	7.721	7.777	VV	42	1143	0.25%	0.139%
48	7.786	7.777	7.810	VV	32	374	0.08%	0.045%
49	7.827	7.810	7.841	VV	43	492	0.11%	0.060%
50	7.911	7.841	7.931	VV	84	3134	0.69%	0.381%
51	7.942	7.931	8.024	VV	87	2885	0.64%	0.351%
52	8.036	8.024	8.062	VV	51	707	0.16%	0.086%
53	8.072	8.062	8.083	VV	27	293	0.06%	0.036%
54	8.096	8.083	8.147	VV	35	843	0.19%	0.102%
55	8.165	8.147	8.182	PV	26	322	0.07%	0.039%
56	8.194	8.182	8.203	VV	30	232	0.05%	0.028%
57	8.211	8.203	8.227	VV	31	315	0.07%	0.038%
58	8.237	8.227	8.247	VV	34	283	0.06%	0.034%
59	8.257	8.247	8.276	VV	32	351	0.08%	0.043%
60	8.294	8.276	8.338	VV	30	692	0.15%	0.084%
61	8.351	8.338	8.359	VV	8	82	0.02%	0.010%
62	8.377	8.359	8.413	PV	25	413	0.09%	0.050%
63	8.424	8.413	8.434	VV	21	212	0.05%	0.026%
64	8.471	8.434	8.481	VV	35	671	0.15%	0.081%
65	8.504	8.481	8.522	VV	38	785	0.17%	0.095%
66	8.548	8.522	8.604	VV	42	1584	0.35%	0.193%
67	8.790	8.604	8.999	VV	7719	452418	100.00%	54.967%
68	9.010	8.999	9.020	VV	75	863	0.19%	0.105%
69	9.036	9.020	9.051	VV	67	1200	0.27%	0.146%
70	9.096	9.051	9.123	VV	85	3122	0.69%	0.379%
71	9.139	9.123	9.160	VV	111	1855	0.41%	0.225%
72	9.171	9.160	9.210	VV	74	1788	0.40%	0.217%
73	9.218	9.210	9.260	VV	53	867	0.19%	0.105%
74	9.376	9.260	9.538	VV	218	19642	4.34%	2.386%
75	9.546	9.538	9.563	VV	29	295	0.07%	0.036%
76	9.577	9.563	9.596	VV	14	234	0.05%	0.028%
77	9.668	9.596	9.680	VV	52	1444	0.32%	0.175%
78	9.726	9.680	9.734	VV	96	2024	0.45%	0.246%
79	9.768	9.734	9.781	VV	115	2734	0.60%	0.332%
80	9.787	9.781	9.826	VV	114	2486	0.55%	0.302%
81	9.940	9.826	10.126	VV	395	32673	7.22%	3.970%
82	10.141	10.126	10.157	VV	35	454	0.10%	0.055%
83	10.163	10.157	10.176	VV	26	246	0.05%	0.030%
84	10.364	10.176	10.372	VV	543	25002	5.53%	3.038%
85	10.383	10.372	10.541	VV	549	30742	6.80%	3.735%
86	10.555	10.541	10.573	VV	103	1640	0.36%	0.199%
87	10.620	10.573	10.677	VV	102	4981	1.10%	0.605%
88	10.696	10.677	10.738	VV	77	2288	0.51%	0.278%
89	10.767	10.738	10.777	VV	93	1804	0.40%	0.219%

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90	10.804	10.777	10.895	VV	105	4324	0.96%	0.525%
91	10.905	10.895	10.921	VV	26	298	0.07%	0.036%
92	10.936	10.921	10.947	VV	32	323	0.07%	0.039%
93	10.973	10.947	10.998	VV	37	798	0.18%	0.097%
94	11.007	10.998	11.017	VV	21	194	0.04%	0.024%
95	11.026	11.017	11.043	VV	21	255	0.06%	0.031%
96	11.064	11.043	11.098	VV	26	583	0.13%	0.071%
97	11.130	11.098	11.168	PV	32	636	0.14%	0.077%
98	11.185	11.168	11.196	VV	28	319	0.07%	0.039%
99	11.209	11.196	11.234	VV	24	346	0.08%	0.042%
100	11.257	11.234	11.265	VV	31	310	0.07%	0.038%
101	11.293	11.265	11.303	VV	35	467	0.10%	0.057%
102	11.317	11.303	11.325	VV	41	476	0.11%	0.058%
103	11.470	11.325	11.615	VV	454	42286	9.35%	5.138%
104	11.626	11.615	11.648	VV	62	1015	0.22%	0.123%
105	11.659	11.648	11.681	VV	56	856	0.19%	0.104%
106	11.691	11.681	11.704	VV	36	478	0.11%	0.058%
107	11.711	11.704	11.714	VV	46	249	0.05%	0.030%
108	11.723	11.714	11.738	VV	56	614	0.14%	0.075%
109	11.769	11.738	11.813	VV	54	1828	0.40%	0.222%
110	11.862	11.813	11.910	VV	88	4101	0.91%	0.498%
111	11.918	11.910	11.971	VV	62	1034	0.23%	0.126%
112	12.008	11.971	12.019	VV	28	503	0.11%	0.061%
113	12.034	12.019	12.057	VV	44	656	0.14%	0.080%
114	12.110	12.057	12.124	VV	56	1721	0.38%	0.209%
115	12.147	12.124	12.178	VV	45	1108	0.25%	0.135%
116	12.216	12.178	12.225	VV	42	906	0.20%	0.110%
117	12.248	12.225	12.270	VV	61	1203	0.27%	0.146%
118	12.305	12.270	12.317	VV	55	1245	0.28%	0.151%
119	12.323	12.317	12.361	VV	58	1272	0.28%	0.155%
120	12.366	12.361	12.402	VV	49	838	0.19%	0.102%
121	12.422	12.402	12.440	VV	39	559	0.12%	0.068%
122	12.450	12.440	12.456	VV	13	65	0.01%	0.008%
123	12.473	12.456	12.484	VV	39	304	0.07%	0.037%
124	12.511	12.484	12.527	PV	26	379	0.08%	0.046%
125	12.561	12.527	12.582	VV	29	545	0.12%	0.066%
126	12.593	12.582	12.603	VV	28	258	0.06%	0.031%
127	12.631	12.603	12.653	VV	46	733	0.16%	0.089%
128	12.707	12.653	12.715	VV	44	1005	0.22%	0.122%
129	12.741	12.715	12.770	VV	55	1253	0.28%	0.152%
130	12.798	12.770	12.850	VV	41	1104	0.24%	0.134%
131	12.863	12.850	12.877	VV	21	214	0.05%	0.026%
132	12.900	12.877	12.935	VV	26	508	0.11%	0.062%
133	12.957	12.935	12.984	VV	29	565	0.12%	0.069%
134	12.993	12.984	13.001	VV	24	198	0.04%	0.024%
135	13.037	13.001	13.047	VV	68	1193	0.26%	0.145%
136	13.070	13.047	13.115	VV	74	1696	0.37%	0.206%
137	13.187	13.115	13.268	VV	163	8054	1.78%	0.978%
138	13.278	13.268	13.306	VV	35	495	0.11%	0.060%
139	13.325	13.306	13.331	VV	16	160	0.04%	0.019%
140	13.340	13.331	13.406	VB	25	383	0.08%	0.047%
141	13.432	13.408	13.452	BV	23	204	0.05%	0.025%

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142	13.474	13.452	13.485	VV	23	304	0.07%	0.037%
143	13.509	13.485	13.515	VV	31	367	0.08%	0.045%
144	13.523	13.515	13.534	VV	38	341	0.08%	0.041%
145	13.546	13.534	13.566	VV	36	514	0.11%	0.062%
146	13.576	13.566	13.602	VV	30	325	0.07%	0.040%
147	13.623	13.602	13.632	PV	28	325	0.07%	0.039%
148	13.641	13.632	13.655	VV	26	203	0.04%	0.025%
149	13.725	13.655	13.737	VV	35	779	0.17%	0.095%
150	13.752	13.737	13.761	VV	20	190	0.04%	0.023%
151	13.782	13.761	13.791	VV	38	435	0.10%	0.053%
152	13.803	13.791	13.809	VV	35	319	0.07%	0.039%
153	13.816	13.809	13.828	VV	32	301	0.07%	0.037%
154	13.849	13.828	13.855	VV	31	386	0.09%	0.047%
155	13.917	13.855	13.927	VV	82	2457	0.54%	0.298%
156	13.958	13.927	13.967	VV	93	1933	0.43%	0.235%
157	14.117	13.967	14.255	VV	438	41255	9.12%	5.012%
158	14.263	14.255	14.282	VV	45	633	0.14%	0.077%
159	14.341	14.282	14.465	VV	113	7967	1.76%	0.968%
160	14.476	14.465	14.493	VV	26	302	0.07%	0.037%
161	14.532	14.493	14.562	VV	35	769	0.17%	0.093%
162	14.591	14.562	14.621	VV	33	638	0.14%	0.077%
163	14.627	14.621	14.650	VV	25	284	0.06%	0.035%
164	14.664	14.650	14.678	PV	20	196	0.04%	0.024%
165	14.691	14.678	14.731	VV	22	476	0.11%	0.058%
166	14.749	14.731	14.761	VV	29	306	0.07%	0.037%
167	14.786	14.761	14.795	VV	24	276	0.06%	0.033%
168	14.839	14.795	14.872	VV	35	1128	0.25%	0.137%
169	14.889	14.872	14.897	VV	37	384	0.08%	0.047%
170	14.909	14.897	14.927	VV	38	504	0.11%	0.061%
171	14.948	14.927	14.966	VV	23	448	0.10%	0.054%
172	14.978	14.966	14.991	VV	41	395	0.09%	0.048%
173	15.037	14.991	15.043	VV	93	1840	0.41%	0.224%
174	15.063	15.043	15.148	VV	113	4139	0.91%	0.503%
175	15.155	15.148	15.169	VV	21	203	0.04%	0.025%
176	15.195	15.169	15.206	VV	46	699	0.15%	0.085%
177	15.243	15.206	15.256	VV	66	1287	0.28%	0.156%
178	15.265	15.256	15.270	VV	58	401	0.09%	0.049%
179	15.278	15.270	15.291	VV	55	584	0.13%	0.071%
180	15.332	15.291	15.359	VV	82	2663	0.59%	0.323%
181	15.372	15.359	15.383	VV	86	1080	0.24%	0.131%
182	15.408	15.383	15.443	VV	88	2681	0.59%	0.326%
183	15.454	15.443	15.548	VV	71	3188	0.70%	0.387%
184	15.556	15.548	15.571	VV	33	381	0.08%	0.046%
185	15.576	15.571	15.583	VV	32	196	0.04%	0.024%
186	15.597	15.583	15.632	VV	29	675	0.15%	0.082%
187	15.639	15.632	15.676	VV	33	613	0.14%	0.074%
188	15.683	15.676	15.709	VV	35	438	0.10%	0.053%
189	15.717	15.709	15.738	VV	34	378	0.08%	0.046%
190	15.778	15.738	15.787	VV	26	584	0.13%	0.071%
191	15.793	15.787	15.812	VV	20	159	0.04%	0.019%
192	15.840	15.812	15.849	PV	17	173	0.04%	0.021%
193	15.913	15.849	15.923	VV	58	1336	0.30%	0.162%
194	15.948	15.923	15.960	VV	58	1188	0.26%	0.144%

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195	15.974	15.960	16.014	VV	58	1308	0.29%	0.159%
196	16.026	16.014	16.047	VV	28	345	0.08%	0.042%
197	16.065	16.047	16.096	VV	22	239	0.05%	0.029%
198	16.106	16.096	16.115	PV	16	105	0.02%	0.013%
199	16.207	16.115	16.245	PV	85	3614	0.80%	0.439%
200	16.251	16.245	16.312	VV	55	895	0.20%	0.109%
201	16.323	16.312	16.338	PV	13	126	0.03%	0.015%
202	16.364	16.338	16.372	VV	12	114	0.03%	0.014%

Sum of corrected areas: 823065

FB011525.M Fri Jan 31 01:28:46 2025

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/28/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/29/25
Client Sample ID:	JPP-26.2-012825	SDG No.:	Q1216
Lab Sample ID:	Q1216-17	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	85.3 Decanted:
Sample Wt/Vol:	5.01 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
FB031400.D	50	01/30/25 18:39	FB013025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	680	J	452	2630	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	23.0		50 - 150	115%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013025\
Data File : FB031400.D
Signal(s) : FID2B.CH
Acq On : 30 Jan 2025 18:39
Operator : YP/AJ
Sample : Q1216-17 50X
Misc : 5.01G/5.00 ML MEOH
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
JPP-26.2-012825

Integration File: Calibration.e
Quant Time: Jan 31 00:56:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
System Monitoring Compounds				
5) s	AAA-TFT	8.787	548985	23.016 ng/ml
Target Compounds				

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

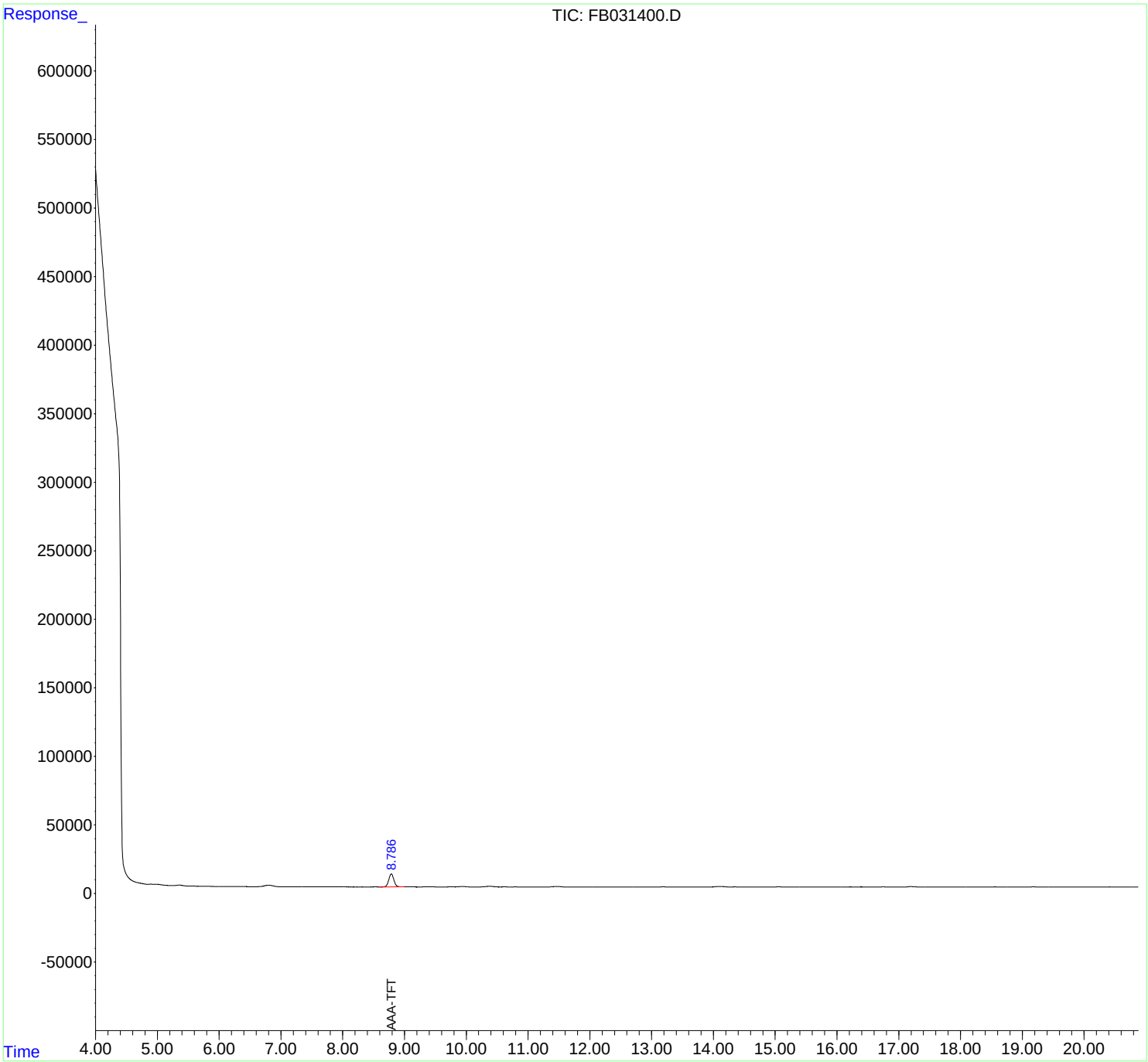
Quantitation Report (QT Reviewed)

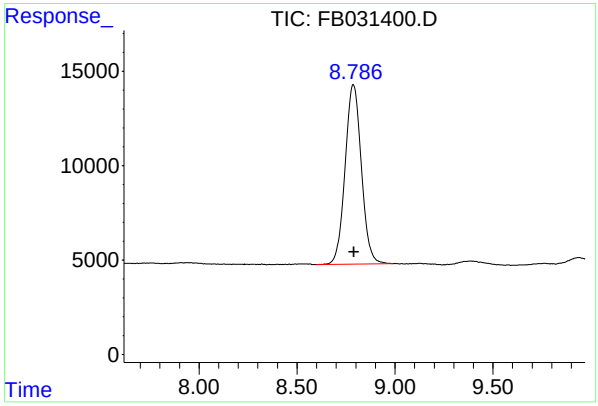
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013025\
Data File : FB031400.D
Signal(s) : FID2B.CH
Acq On : 30 Jan 2025 18:39
Operator : YP/AJ
Sample : Q1216-17 50X
Misc : 5.01G/5.00 ML MEOH
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
JPP-26.2-012825

Integration File: Calibration.e
Quant Time: Jan 31 00:56:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#5 AAA-TFT

R.T.: 8.787 min
Delta R.T.: -0.002 mir
Response: 548985
Conc: 23.02 ng/m

Instrument :
FID_B
ClientSampleId :
JPP-26.2-012825

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013025\
Data File : FB031400.D
Signal(s) : FID2B.CH
Acq On : 30 Jan 2025 18:39
Sample : Q1216-17 50X
Misc : 5.01G/5.00 ML MEOH
ALS Vial : 21 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	4.896	4.804	4.941	BV	207	7708	1.38%	0.798%
2	5.213	5.206	5.228	PV	21	119	0.02%	0.012%
3	5.533	5.528	5.645	PV	9	457	0.08%	0.047%
4	5.652	5.645	5.667	VV	32	272	0.05%	0.028%
5	5.675	5.667	5.722	VV	33	174	0.03%	0.018%
6	5.730	5.722	5.787	PV	13	501	0.09%	0.052%
7	5.795	5.787	5.819	VV	33	380	0.07%	0.039%
8	5.833	5.819	5.875	PV	21	424	0.08%	0.044%
9	5.896	5.875	5.927	VV	53	464	0.08%	0.048%
10	5.940	5.927	5.953	PV	22	140	0.03%	0.015%
11	5.965	5.953	5.988	PV	19	149	0.03%	0.015%
12	6.003	5.988	6.030	PV	16	206	0.04%	0.021%
13	6.045	6.030	6.085	VV	20	334	0.06%	0.035%
14	6.093	6.085	6.111	VV	25	329	0.06%	0.034%
15	6.121	6.111	6.139	VV	34	530	0.09%	0.055%
16	6.143	6.139	6.151	VV	36	248	0.04%	0.026%
17	6.169	6.151	6.289	VV	50	3038	0.54%	0.315%
18	6.296	6.289	6.340	VV	31	645	0.12%	0.067%
19	6.352	6.340	6.365	VV	30	390	0.07%	0.040%
20	6.374	6.365	6.395	VV	41	406	0.07%	0.042%
21	6.411	6.395	6.463	VV	28	754	0.14%	0.078%
22	6.478	6.463	6.490	VV	17	143	0.03%	0.015%
23	6.502	6.490	6.513	PV	10	50	0.01%	0.005%
24	6.529	6.513	6.541	VV	14	136	0.02%	0.014%
25	6.546	6.541	6.560	VV	20	126	0.02%	0.013%
26	6.615	6.560	6.630	VV	42	1038	0.19%	0.107%
27	7.051	7.028	7.068	VV	49	912	0.16%	0.094%
28	7.094	7.068	7.139	VV	70	1832	0.33%	0.190%
29	7.158	7.139	7.182	VV	49	958	0.17%	0.099%
30	7.199	7.182	7.229	VV	39	713	0.13%	0.074%
31	7.233	7.229	7.265	VV	25	383	0.07%	0.040%
32	7.274	7.265	7.280	PV	21	110	0.02%	0.011%
33	7.299	7.280	7.310	VV	38	427	0.08%	0.044%
34	7.341	7.310	7.362	PV	36	670	0.12%	0.069%
35	7.371	7.362	7.412	VV	42	947	0.17%	0.098%
36	7.447	7.412	7.492	VV	39	1501	0.27%	0.155%

rteres

37	7.503	7.492	7.518	VV	37	451	0.08%	0.047%
38	7.524	7.518	7.530	VV	35	235	0.04%	0.024%
39	7.535	7.530	7.546	VV	37	293	0.05%	0.030%
40	7.555	7.546	7.563	VV	30	275	0.05%	0.028%
41	7.570	7.563	7.594	VV	38	564	0.10%	0.058%
42	7.641	7.594	7.672	VV	34	1186	0.21%	0.123%
43	7.684	7.672	7.692	VV	38	352	0.06%	0.036%
44	7.723	7.692	7.742	VV	50	1208	0.22%	0.125%
45	7.763	7.742	7.781	VV	61	1155	0.21%	0.120%
46	7.794	7.781	7.818	VV	42	697	0.12%	0.072%
47	7.834	7.818	7.845	VV	45	491	0.09%	0.051%
48	7.884	7.845	7.893	VV	61	1269	0.23%	0.131%
49	7.908	7.893	7.926	VV	86	1430	0.26%	0.148%
50	7.942	7.926	7.952	VV	81	1190	0.21%	0.123%
51	7.961	7.952	7.973	VV	77	890	0.16%	0.092%
52	7.985	7.973	8.022	VV	66	1612	0.29%	0.167%
53	8.030	8.022	8.065	VV	38	562	0.10%	0.058%
54	8.073	8.065	8.089	VV	19	240	0.04%	0.025%
55	8.097	8.089	8.115	VV	17	170	0.03%	0.018%
56	8.128	8.115	8.150	VV	19	238	0.04%	0.025%
57	8.159	8.150	8.184	VV	16	203	0.04%	0.021%
58	8.196	8.184	8.237	VV	18	404	0.07%	0.042%
59	8.245	8.237	8.256	VV	20	135	0.02%	0.014%
60	8.271	8.256	8.312	VV	19	410	0.07%	0.042%
61	8.320	8.312	8.355	VV	30	281	0.05%	0.029%
62	8.400	8.355	8.409	PV	25	369	0.07%	0.038%
63	8.415	8.409	8.431	VV	22	176	0.03%	0.018%
64	8.440	8.431	8.453	VV	31	241	0.04%	0.025%
65	8.462	8.453	8.471	VV	37	225	0.04%	0.023%
66	8.526	8.471	8.536	VV	49	1403	0.25%	0.145%
67	8.547	8.536	8.598	VV	49	1094	0.20%	0.113%
68	8.787	8.598	8.991	VV	9564	558294	100.00%	57.801%
69	9.001	8.991	9.025	VV	85	1523	0.27%	0.158%
70	9.035	9.025	9.045	VV	73	789	0.14%	0.082%
71	9.058	9.045	9.067	VV	74	877	0.16%	0.091%
72	9.100	9.067	9.109	VV	83	1847	0.33%	0.191%
73	9.129	9.109	9.145	VV	100	1813	0.32%	0.188%
74	9.152	9.145	9.224	VV	80	2750	0.49%	0.285%
75	9.229	9.224	9.242	VV	31	243	0.04%	0.025%
76	9.270	9.242	9.277	VV	45	588	0.11%	0.061%
77	9.389	9.277	9.558	VV	229	20527	3.68%	2.125%
78	9.581	9.558	9.594	VV	26	285	0.05%	0.029%
79	9.639	9.594	9.658	PV	30	490	0.09%	0.051%
80	9.764	9.658	9.795	VV	117	6195	1.11%	0.641%
81	9.809	9.795	9.821	VV	94	1389	0.25%	0.144%
82	9.941	9.821	10.087	VV	429	34579	6.19%	3.580%
83	10.096	10.087	10.116	VV	39	541	0.10%	0.056%
84	10.128	10.116	10.149	VV	39	663	0.12%	0.069%
85	10.178	10.149	10.191	VV	43	775	0.14%	0.080%
86	10.385	10.191	10.525	VV	575	55441	9.93%	5.740%
87	10.533	10.525	10.550	VV	96	1358	0.24%	0.141%
88	10.595	10.550	10.606	VV	138	3563	0.64%	0.369%
89	10.611	10.606	10.620	VV	133	1124	0.20%	0.116%

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90	10.631	10.620	10.693	VV	141	4220	0.76%	0.437%
91	10.709	10.693	10.716	VV	76	896	0.16%	0.093%
92	10.729	10.716	10.737	VV	73	838	0.15%	0.087%
93	10.789	10.737	10.875	VV	130	6605	1.18%	0.684%
94	10.885	10.875	10.913	VV	33	568	0.10%	0.059%
95	10.926	10.913	10.945	VV	46	621	0.11%	0.064%
96	10.986	10.945	10.998	VV	63	1035	0.19%	0.107%
97	11.012	10.998	11.028	VV	36	445	0.08%	0.046%
98	11.034	11.028	11.060	VV	39	495	0.09%	0.051%
99	11.078	11.060	11.099	VV	25	318	0.06%	0.033%
100	11.159	11.099	11.168	PV	31	773	0.14%	0.080%
101	11.177	11.168	11.186	VV	28	242	0.04%	0.025%
102	11.196	11.186	11.215	VV	33	357	0.06%	0.037%
103	11.230	11.215	11.241	VV	22	263	0.05%	0.027%
104	11.271	11.241	11.285	VV	37	630	0.11%	0.065%
105	11.297	11.285	11.306	VV	40	411	0.07%	0.043%
106	11.464	11.306	11.615	VV	469	43681	7.82%	4.522%
107	11.625	11.615	11.636	VV	56	559	0.10%	0.058%
108	11.698	11.636	11.738	VV	57	2622	0.47%	0.271%
109	11.753	11.738	11.786	VV	63	1190	0.21%	0.123%
110	11.846	11.786	11.857	VV	89	2432	0.44%	0.252%
111	11.868	11.857	11.905	VV	93	2251	0.40%	0.233%
112	11.912	11.905	11.996	VV	67	1625	0.29%	0.168%
113	12.033	11.996	12.051	VV	35	722	0.13%	0.075%
114	12.063	12.051	12.082	VV	38	633	0.11%	0.066%
115	12.113	12.082	12.144	VV	67	1677	0.30%	0.174%
116	12.166	12.144	12.177	VV	40	626	0.11%	0.065%
117	12.199	12.177	12.216	VV	47	891	0.16%	0.092%
118	12.225	12.216	12.240	VV	44	502	0.09%	0.052%
119	12.250	12.240	12.269	VV	42	586	0.10%	0.061%
120	12.281	12.269	12.292	VV	51	560	0.10%	0.058%
121	12.326	12.292	12.339	VV	58	1446	0.26%	0.150%
122	12.345	12.339	12.402	VV	57	1304	0.23%	0.135%
123	12.419	12.402	12.431	VV	17	216	0.04%	0.022%
124	12.442	12.431	12.455	VV	22	134	0.02%	0.014%
125	12.469	12.455	12.487	PV	14	153	0.03%	0.016%
126	12.498	12.487	12.531	VV	22	302	0.05%	0.031%
127	12.542	12.531	12.564	VV	13	213	0.04%	0.022%
128	12.610	12.564	12.648	VV	36	1088	0.19%	0.113%
129	12.655	12.648	12.669	VV	35	354	0.06%	0.037%
130	12.679	12.669	12.694	VV	38	437	0.08%	0.045%
131	12.748	12.694	12.779	VV	88	3047	0.55%	0.315%
132	12.783	12.779	12.812	VV	48	709	0.13%	0.073%
133	12.833	12.812	12.871	VV	33	635	0.11%	0.066%
134	12.889	12.871	12.898	VV	21	220	0.04%	0.023%
135	12.961	12.898	12.975	VV	32	640	0.11%	0.066%
136	13.051	12.975	13.059	VV	80	2566	0.46%	0.266%
137	13.066	13.059	13.112	VV	83	1758	0.31%	0.182%
138	13.190	13.112	13.291	VV	215	11082	1.99%	1.147%
139	13.301	13.291	13.405	VV	37	1435	0.26%	0.149%
140	13.413	13.405	13.430	VV	9	85	0.02%	0.009%
141	13.461	13.430	13.470	VV	42	554	0.10%	0.057%

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142	13.508	13.470	13.622	VV	54	2502	0.45%	0.259%
143	13.695	13.622	13.719	PV	32	732	0.13%	0.076%
144	13.794	13.719	13.808	VV	46	1112	0.20%	0.115%
145	13.833	13.808	13.861	VV	34	870	0.16%	0.090%
146	13.903	13.861	13.964	VV	94	4425	0.79%	0.458%
147	14.102	13.964	14.276	VV	476	46800	8.38%	4.845%
148	14.349	14.276	14.494	VV	140	10764	1.93%	1.114%
149	14.511	14.494	14.534	VV	42	578	0.10%	0.060%
150	14.550	14.534	14.593	VV	36	642	0.11%	0.066%
151	14.641	14.593	14.659	VV	36	674	0.12%	0.070%
152	14.688	14.659	14.704	VV	29	368	0.07%	0.038%
153	14.723	14.704	14.830	PV	26	974	0.17%	0.101%
154	14.923	14.830	14.972	VV	40	1920	0.34%	0.199%
155	15.058	14.972	15.138	VV	214	10891	1.95%	1.128%
156	15.152	15.138	15.181	VV	50	942	0.17%	0.098%
157	15.216	15.181	15.230	VV	59	1459	0.26%	0.151%
158	15.244	15.230	15.261	VV	64	1010	0.18%	0.105%
159	15.335	15.261	15.353	VV	79	3522	0.63%	0.365%
160	15.416	15.353	15.459	VV	107	5794	1.04%	0.600%
161	15.468	15.459	15.566	VV	88	4002	0.72%	0.414%
162	15.582	15.566	15.594	VV	34	551	0.10%	0.057%
163	15.623	15.594	15.651	VV	52	1275	0.23%	0.132%
164	15.666	15.651	15.713	VV	45	1191	0.21%	0.123%
165	15.742	15.713	15.791	VV	34	995	0.18%	0.103%
166	15.804	15.791	15.826	VV	27	283	0.05%	0.029%
167	15.842	15.826	15.859	VV	18	246	0.04%	0.025%
168	15.901	15.859	15.920	VV	53	1148	0.21%	0.119%
169	15.950	15.920	16.094	VV	65	3403	0.61%	0.352%
170	16.106	16.094	16.121	PV	20	214	0.04%	0.022%
171	16.205	16.121	16.308	VV	108	6008	1.08%	0.622%
172	16.321	16.308	16.335	VV	14	224	0.04%	0.023%
			Sum of corrected areas:			965887		

FB011525.M Fri Jan 31 01:26:51 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.: Q1216 SAS No.: Q1216 SDG No.: Q1216

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

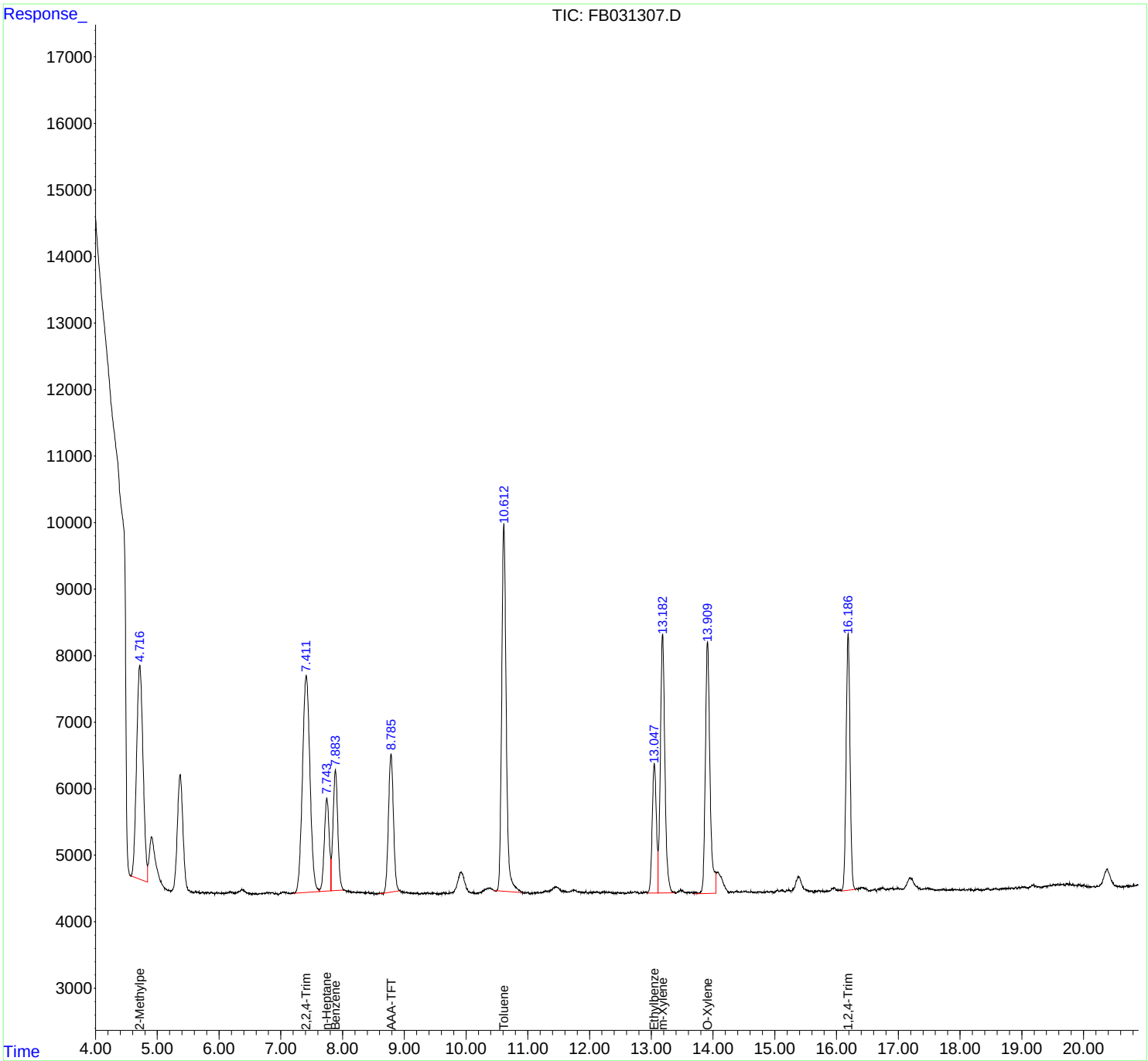
(f)=RT Delta > 1/2 Window (m)=manual int.

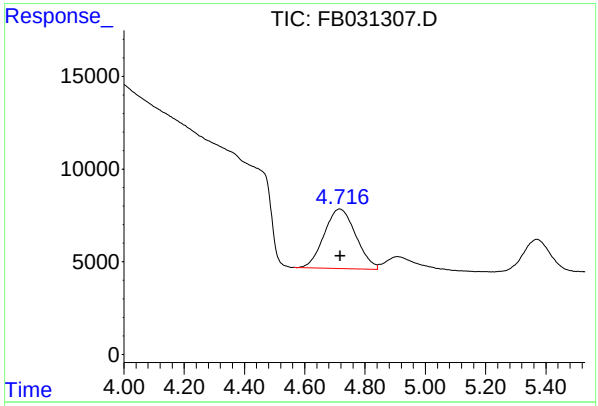
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011525\
Data File : FB031307.D
Signal(s) : FID2B.CH
Acq On : 15 Jan 2025 10:20
Operator : YP/AJ
Sample : 5 GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

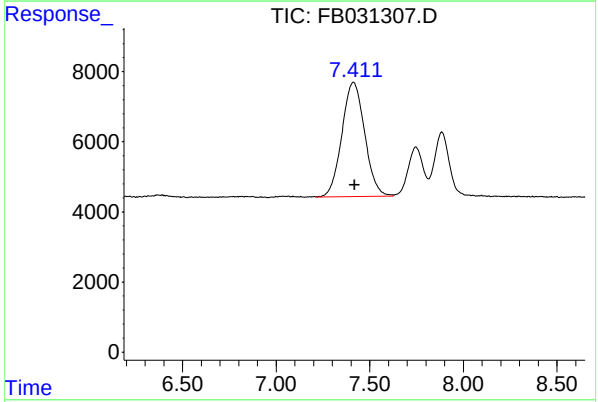




#1 2-Methylpentane

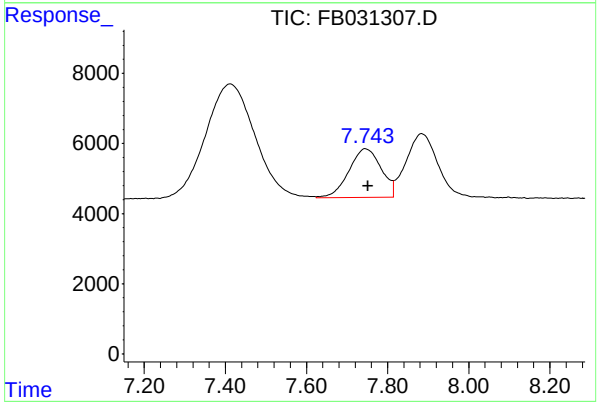
R.T.: 4.718 min
Delta R.T.: 0.000 min
Response: 233598
Conc: 7.65 ng/ml

Instrument :
FID_B
ClientSampleId :
5 GRO STD



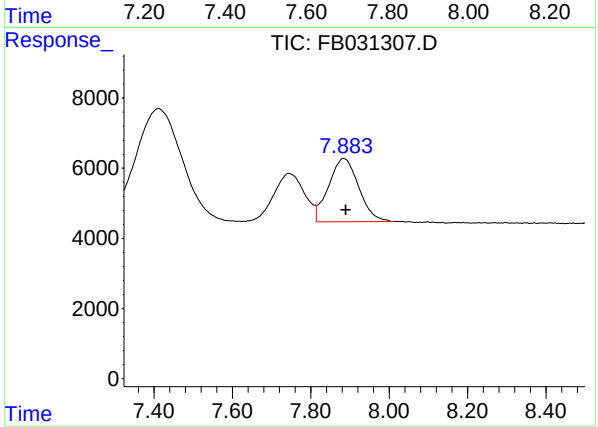
#2 2,2,4-Trimethylpentane

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



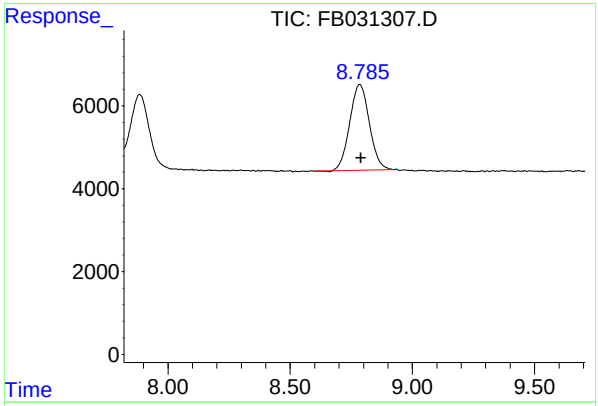
#3 n-Heptane

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



#4 Benzene

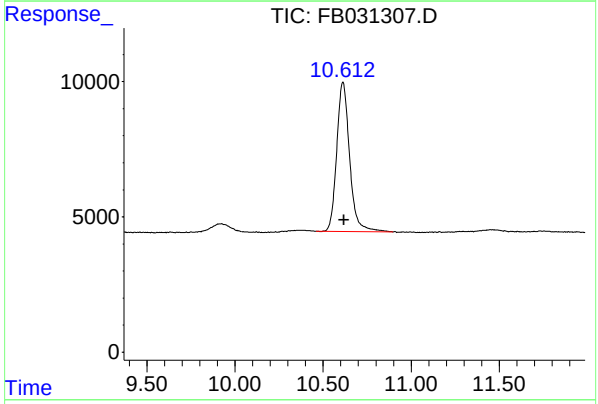
R.T.: 7.885 min
Delta R.T.: -0.005 min
Response: 96940
Conc: 2.46 ng/ml



#5 AAA-TFT

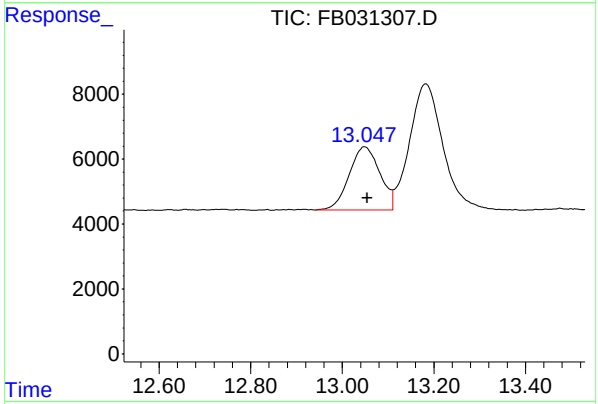
R.T.: 8.786 min
Delta R.T.: -0.003 min
Response: 115906
Conc: 4.68 ng/ml

Instrument :
FID_B
ClientSampleId :
5 GRO STD



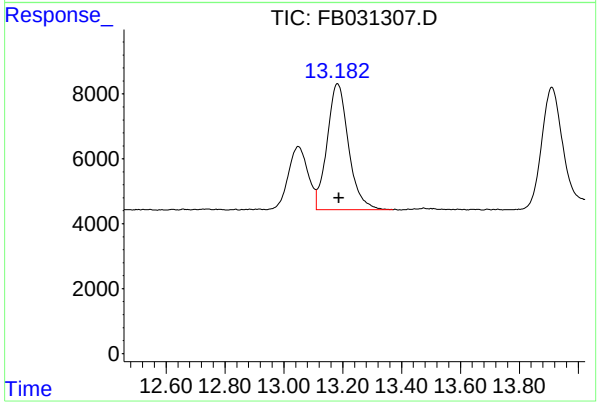
#6 Toluene

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



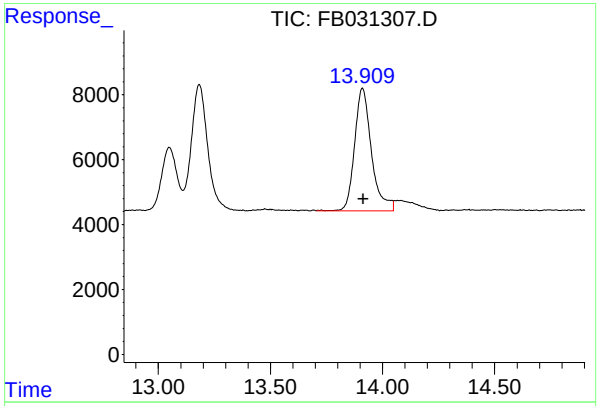
#7 Ethylbenzene

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



#8 m-Xylene

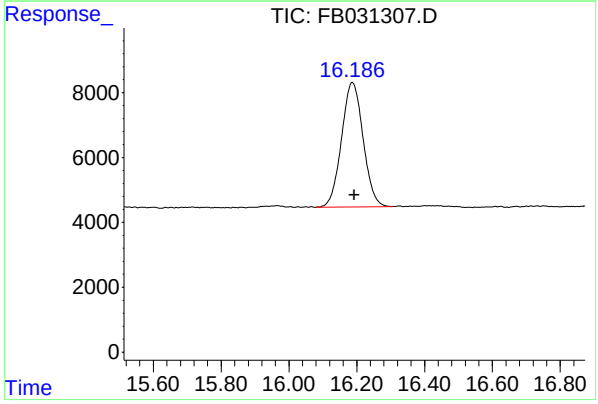
R.T.: 13.183 min
Delta R.T.: -0.005 min
Response: 196650
Conc: 5.78 ng/ml



#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

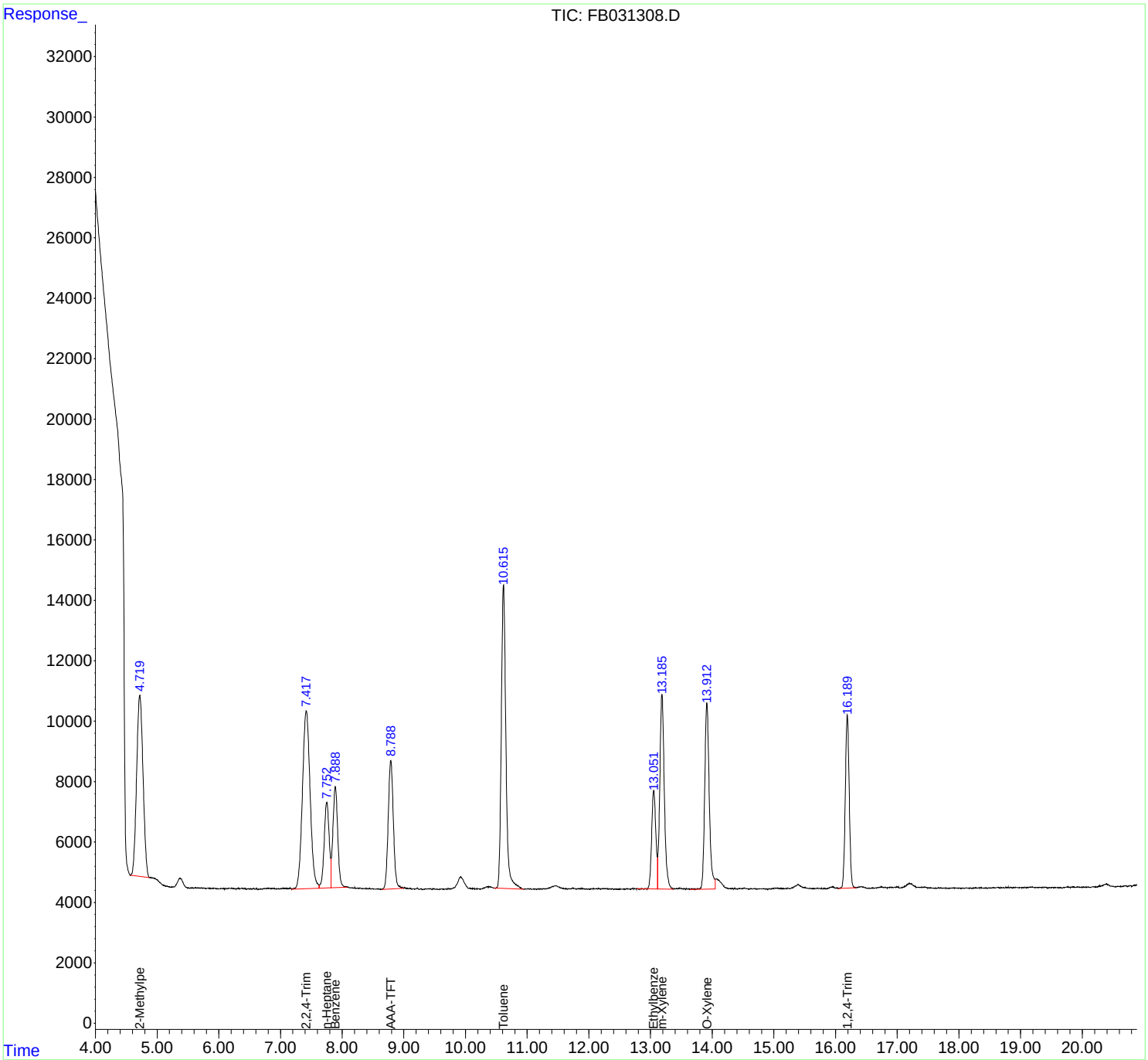
(f)=RT Delta > 1/2 Window (m)=manual int.

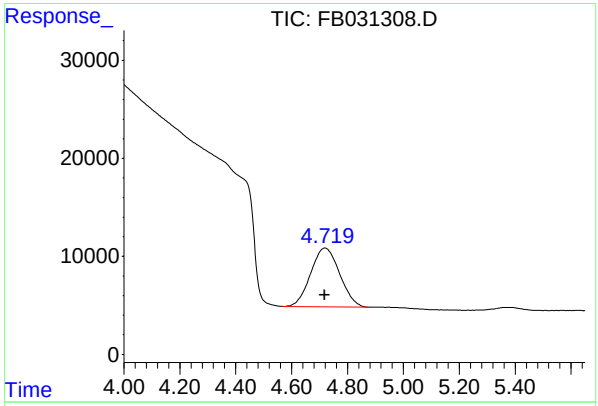
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011525\
Data File : FB031308.D
Signal(s) : FID2B.CH
Acq On : 15 Jan 2025 10:47
Operator : YP/AJ
Sample : 10 GRO STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

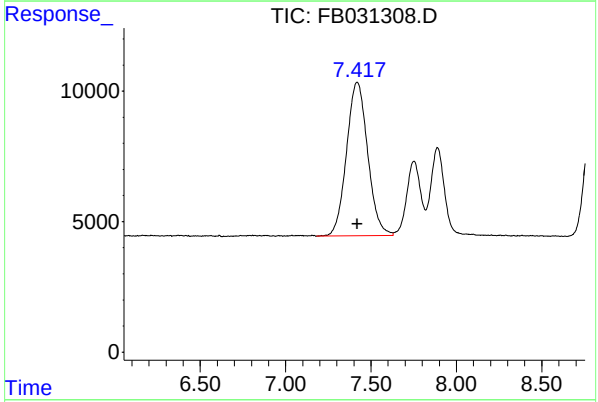




#1 2-Methylpentane

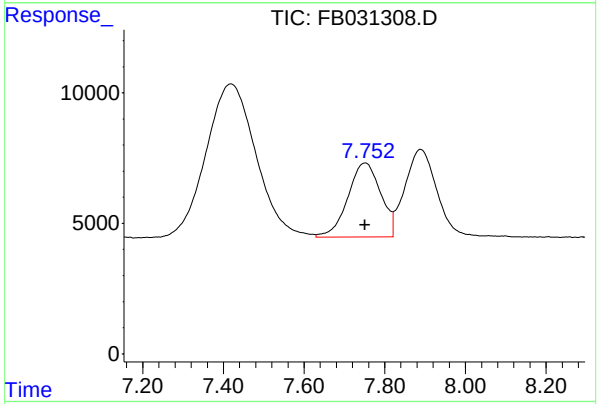
R.T.: 4.720 min
Delta R.T.: 0.002 min
Response: 431842
Conc: 14.01 ng/ml

Instrument :
FID_B
ClientSampleId :
10 GRO STD



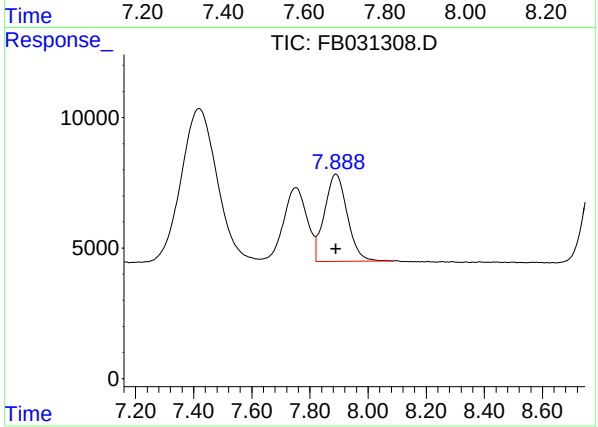
#2 2,2,4-Trimethylpentane

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



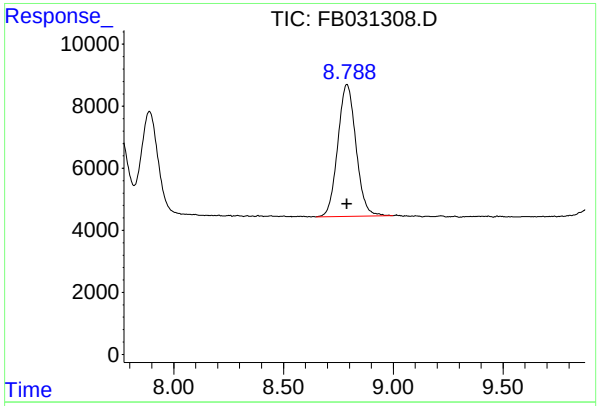
#3 n-Heptane

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



#4 Benzene

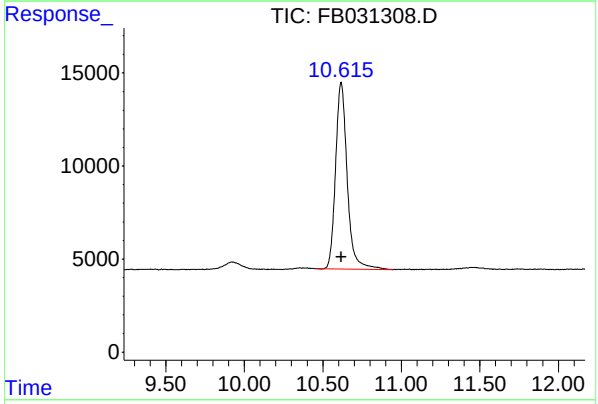
R.T.: 7.890 min
Delta R.T.: 0.000 min
Response: 182595
Conc: 4.67 ng/ml



#5 AAA-TFT

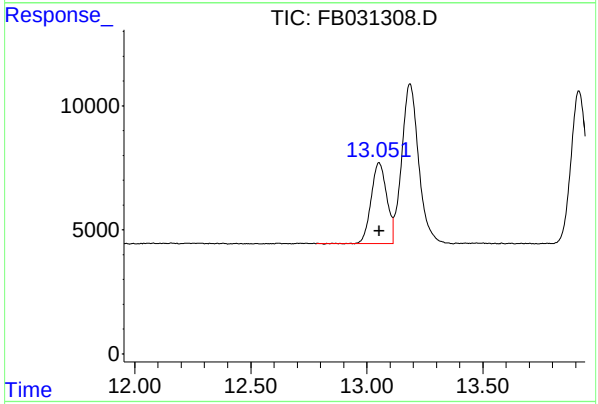
R.T.: 8.789 min
Delta R.T.: 0.000 min
Response: 244936
Conc: 10.22 ng/ml

Instrument :
FID_B
ClientSampleId :
10 GRO STD



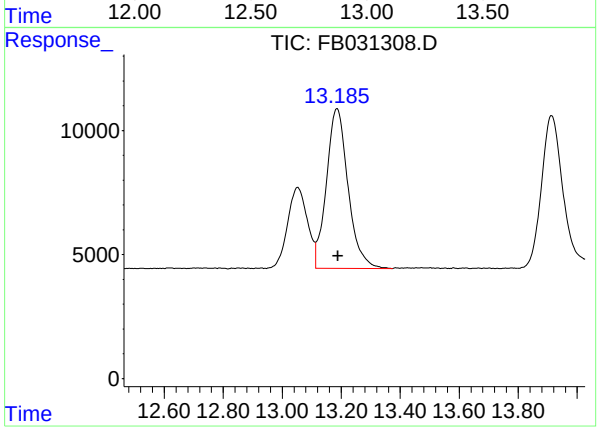
#6 Toluene

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



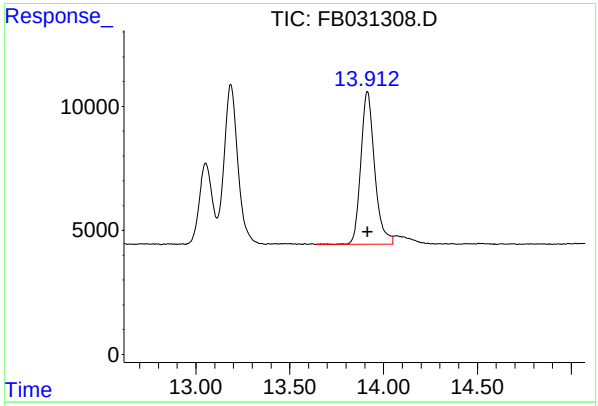
#7 Ethylbenzene

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



#8 m-Xylene

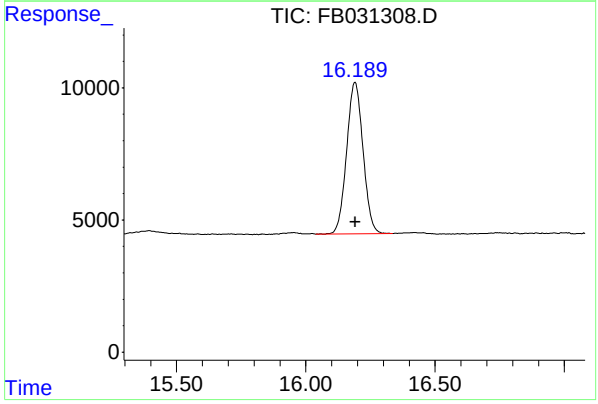
R.T.: 13.186 min
Delta R.T.: -0.002 min
Response: 328529
Conc: 8.96 ng/ml



#9 O-Xylene

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

Instrument :
FID_B
ClientSampleId :
10 GRO STD



#10 1,2,4-Trimethylbenzene

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

rteres

Area Percent Report

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

Integration File: Calibration.e

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

Signal : FID2B.CH

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

Sum of corrected areas: 3094319

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

Quantitation Report (QT Reviewed)

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

Instrument :
FID_B
ClientSampleId :
20 GRO STD

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

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

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

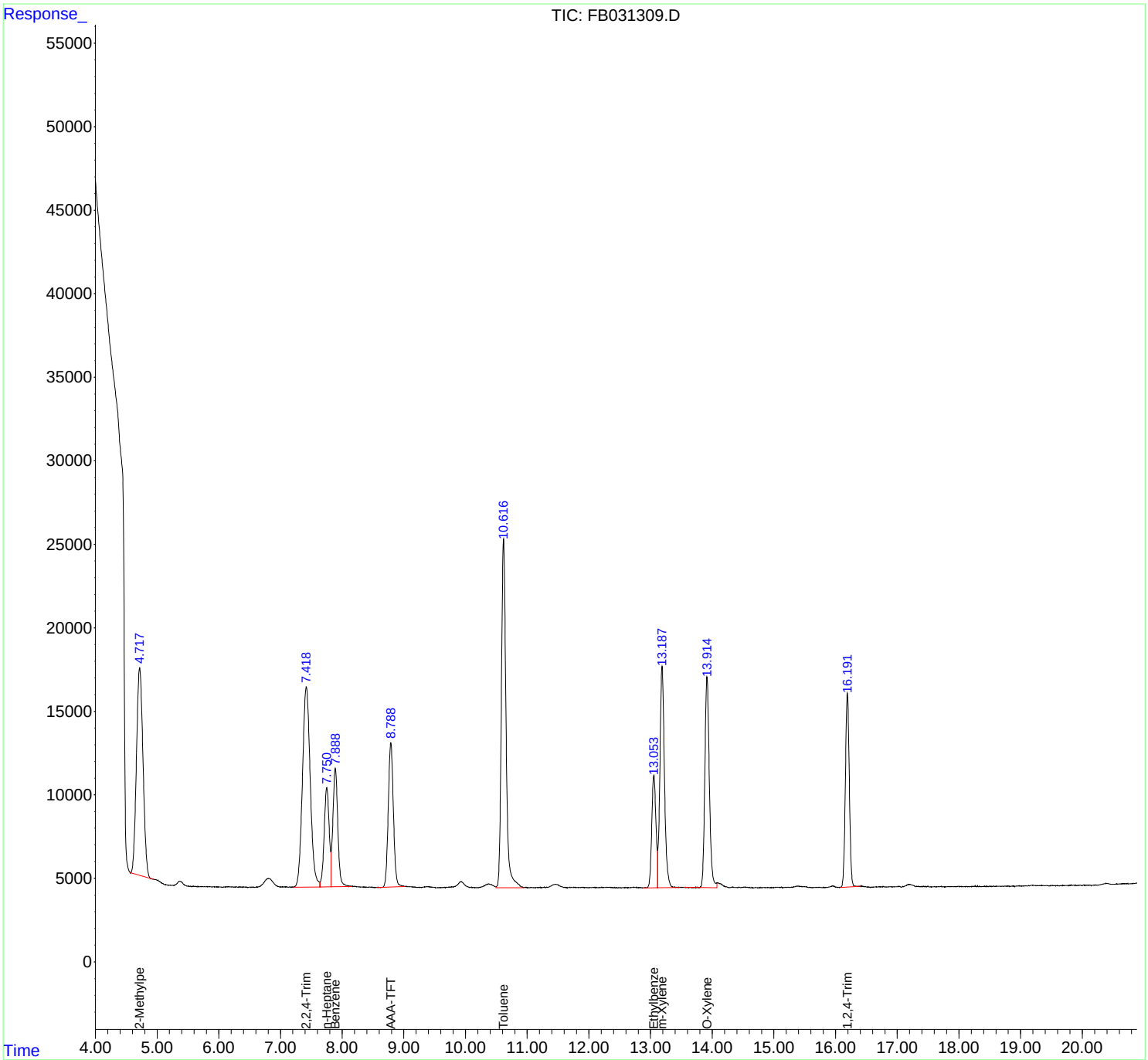
(f)=RT Delta > 1/2 Window (m)=manual int.

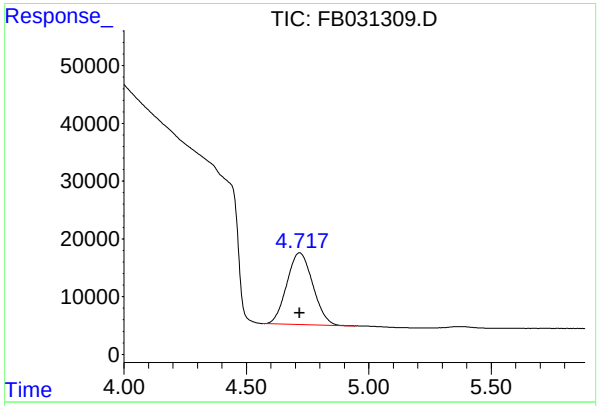
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011525\
Data File : FB031309.D
Signal(s) : FID2B.CH
Acq On : 15 Jan 2025 11:13
Operator : YP/AJ
Sample : 20 GRO STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 GRO STD

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

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

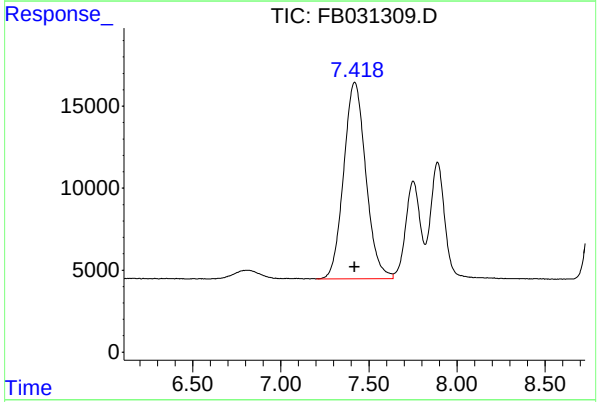




#1 2-Methylpentane

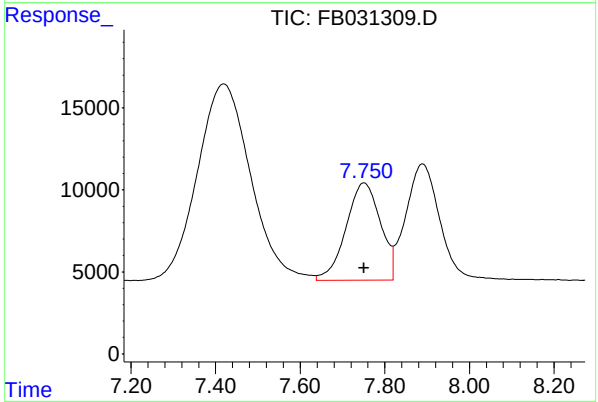
R.T.: 4.718 min
Delta R.T.: 0.000 min
Response: 915530
Conc: 30.00 ng/ml

Instrument :
FID_B
ClientSampleId :
20 GRO STD



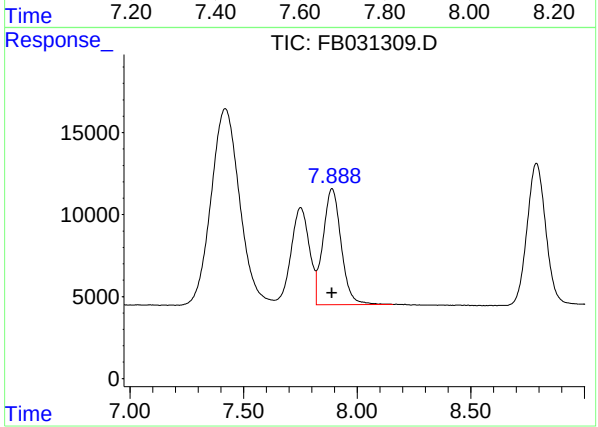
#2 2,2,4-Trimethylpentane

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



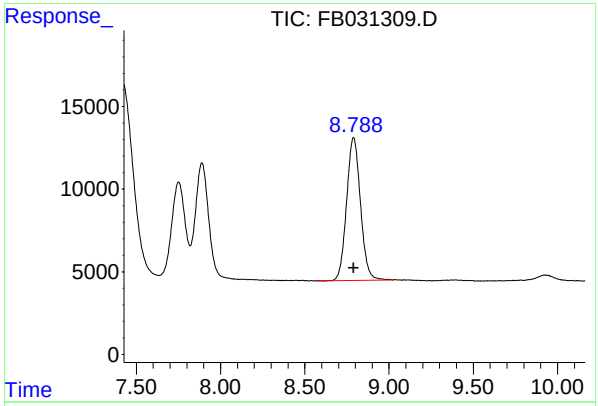
#3 n-Heptane

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



#4 Benzene

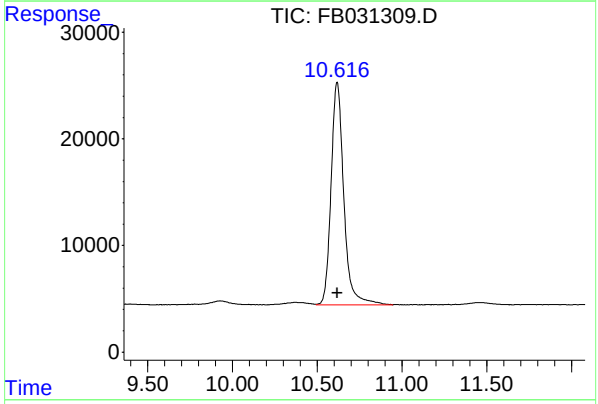
R.T.: 7.890 min
Delta R.T.: 0.000 min
Response: 394556
Conc: 10.00 ng/ml



#5 AAA-TFT

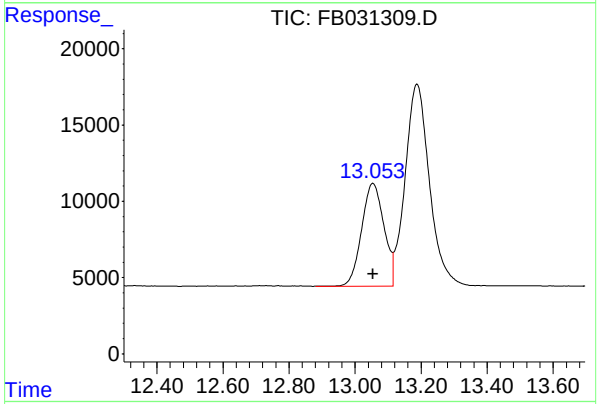
R.T.: 8.790 min
Delta R.T.: 0.000 min
Response: 495333
Conc: 20.00 ng/ml

Instrument :
FID_B
ClientSampleId :
20 GRO STD



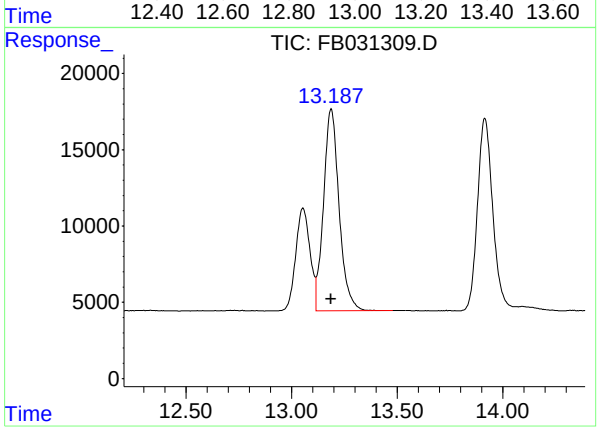
#6 Toluene

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



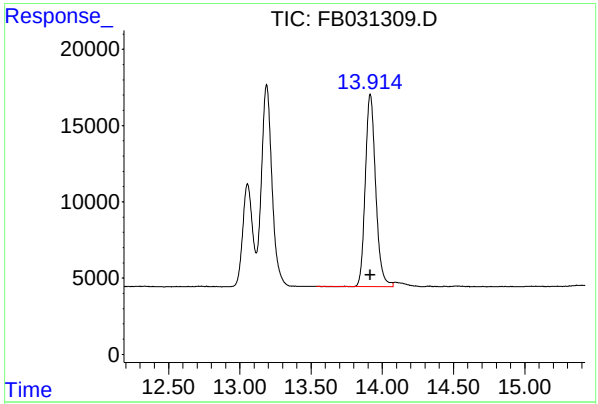
#7 Ethylbenzene

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



#8 m-Xylene

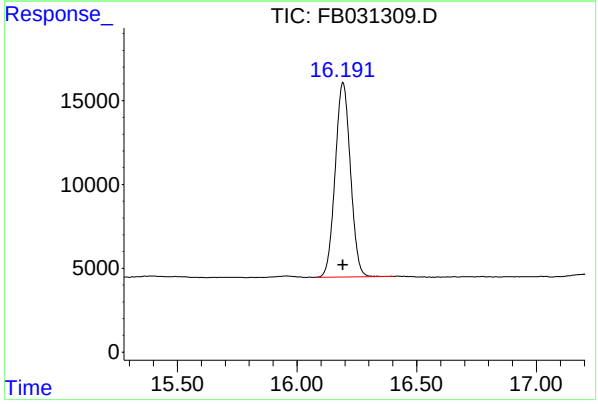
R.T.: 13.188 min
Delta R.T.: 0.000 min
Response: 679935
Conc: 20.00 ng/ml



#9 O-Xylene

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

Instrument :
FID_B
ClientSampleId :
20 GRO STD



#10 1,2,4-Trimethylbenzene

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

rteres

Area Percent Report

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

Integration File: Calibration.e

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

Signal : FID2B.CH

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

Sum of corrected areas: 6422794

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

Quantitation Report (QT Reviewed)

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

Instrument :
FID_B
ClientSampleId :
50 GRO STD

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

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

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

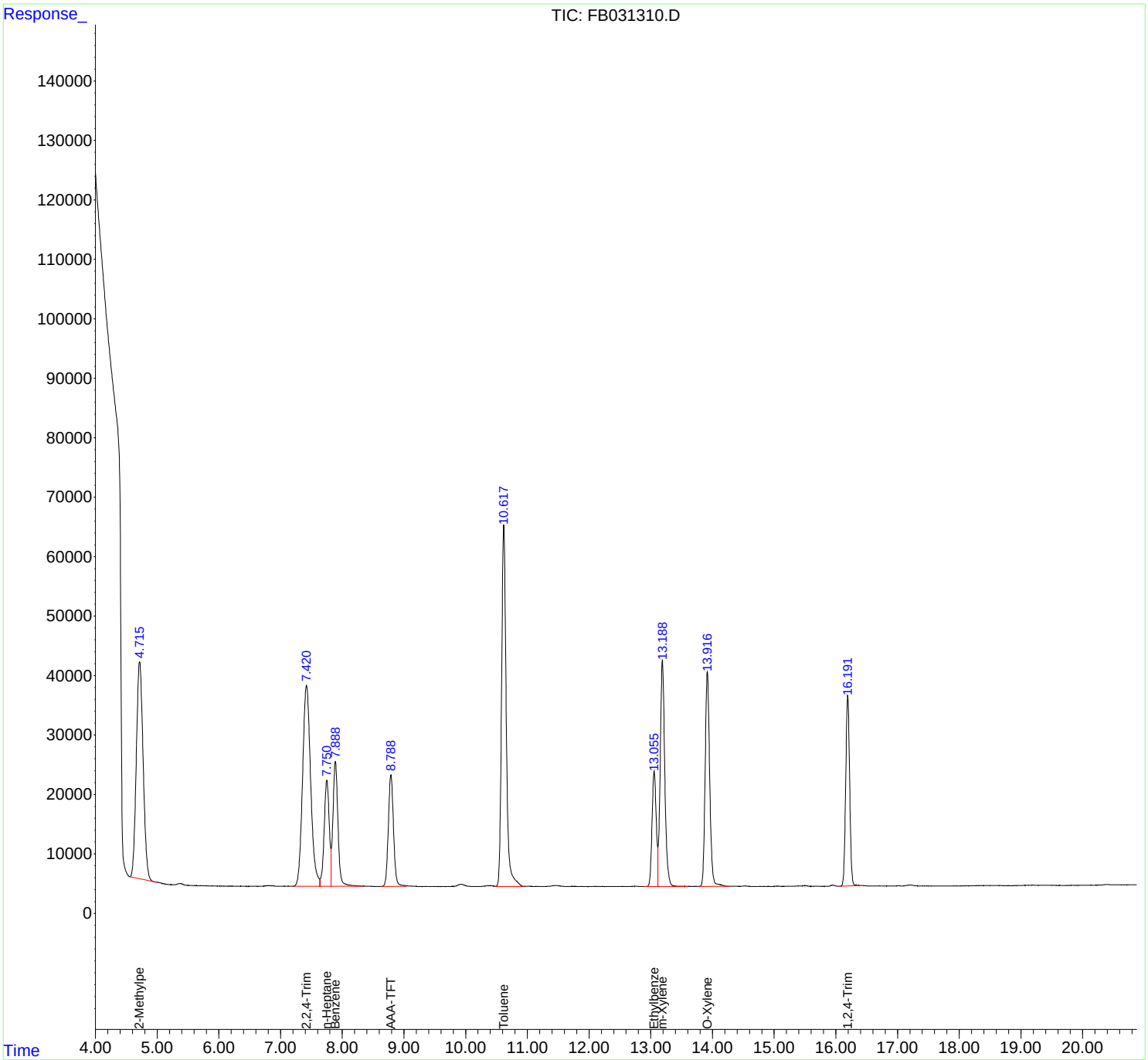
(f)=RT Delta > 1/2 Window (m)=manual int.

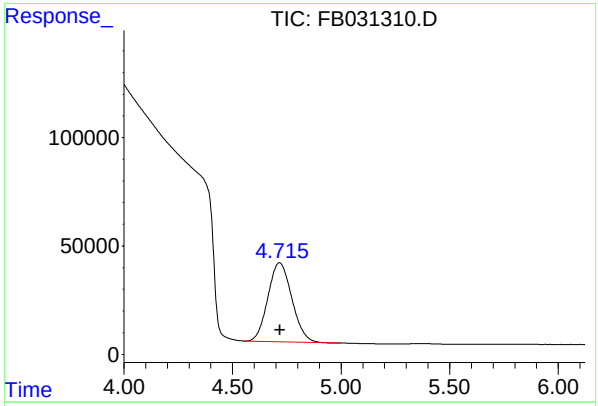
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011525\
Data File : FB031310.D
Signal(s) : FID2B.CH
Acq On : 15 Jan 2025 11:40
Operator : YP/AJ
Sample : 50 GRO STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
50 GRO STD

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

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

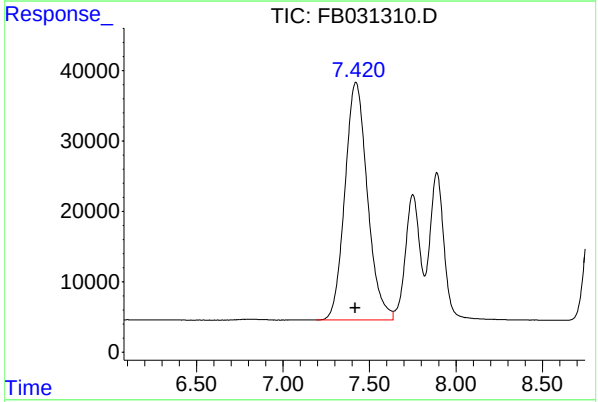




#1 2-Methylpentane

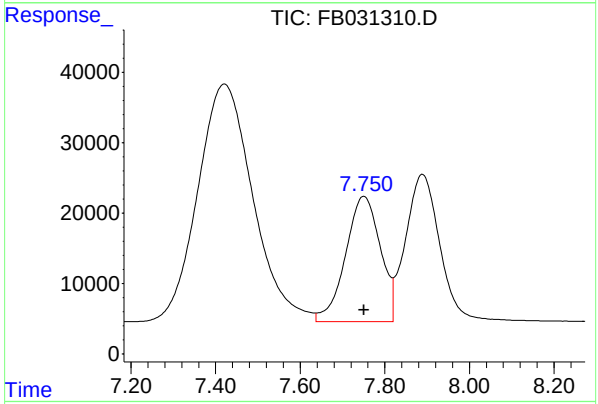
R.T.: 4.716 min
Delta R.T.: -0.002 min
Response: 2794680
Conc: 92.69 ng/ml

Instrument :
FID_B
ClientSampleId :
50 GRO STD



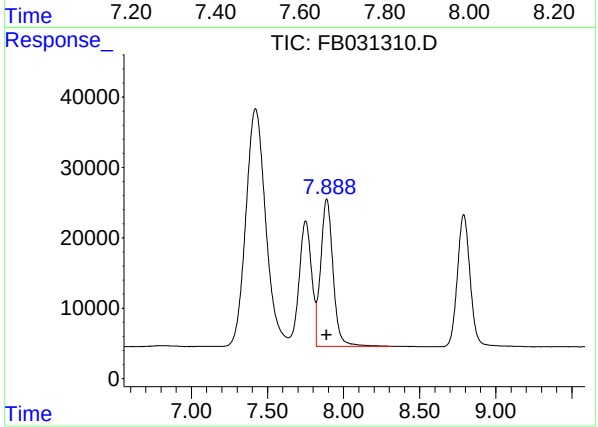
#2 2,2,4-Trimethylpentane

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



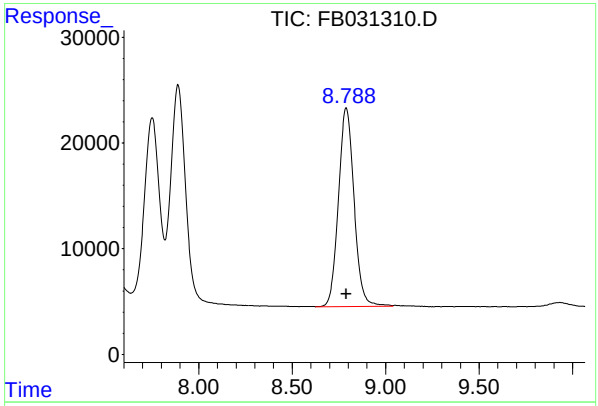
#3 n-Heptane

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



#4 Benzene

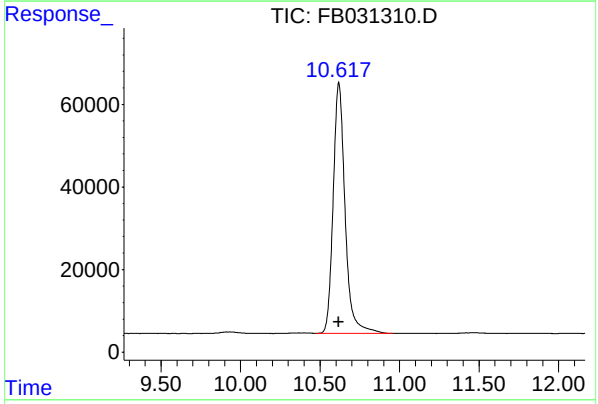
R.T.: 7.889 min
Delta R.T.: 0.000 min
Response: 1195371
Conc: 31.25 ng/ml



#5 AAA-TFT

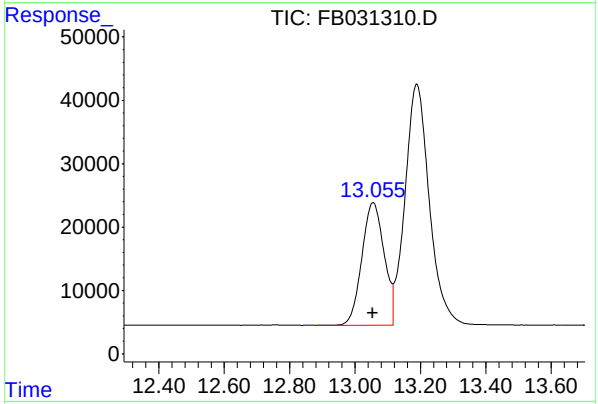
R.T.: 8.789 min
Delta R.T.: 0.000 min
Response: 1088363
Conc: 45.07 ng/ml

Instrument :
FID_B
ClientSampleId :
50 GRO STD



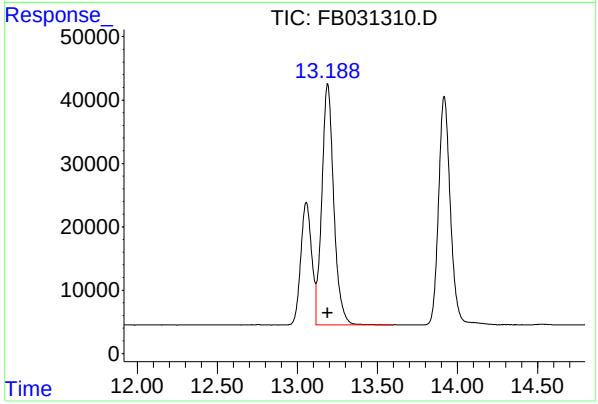
#6 Toluene

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



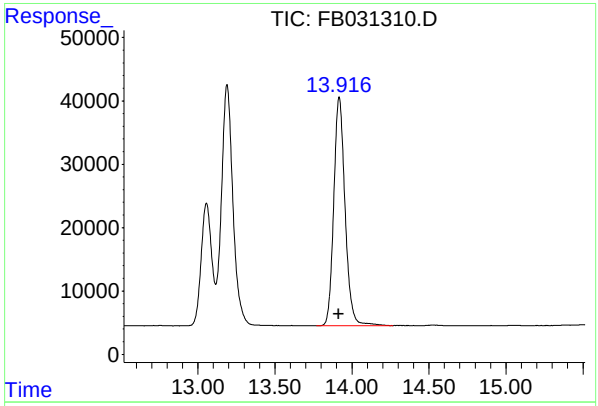
#7 Ethylbenzene

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



#8 m-Xylene

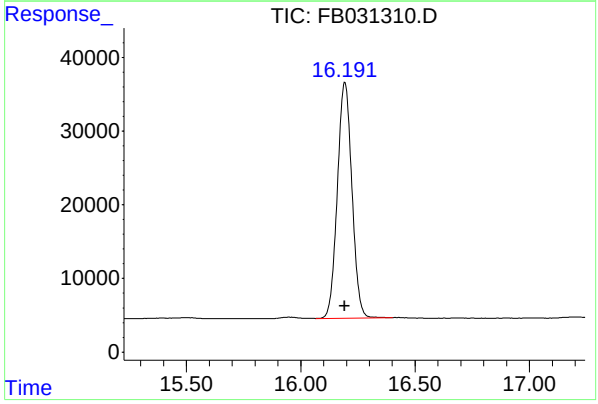
R.T.: 13.189 min
Delta R.T.: 0.001 min
Response: 1979254
Conc: 55.92 ng/ml



#9 O-Xylene

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

Instrument :
FID_B
ClientSampleId :
50 GRO STD



#10 1,2,4-Trimethylbenzene

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

rteres

Area Percent Report

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

Integration File: Calibration.e

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

Signal : FID2B.CH

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

Sum of corrected areas: 18491195

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

Quantitation Report (QT Reviewed)

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

Instrument :
FID_B
ClientSampleId :
100 GRO STD

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

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

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

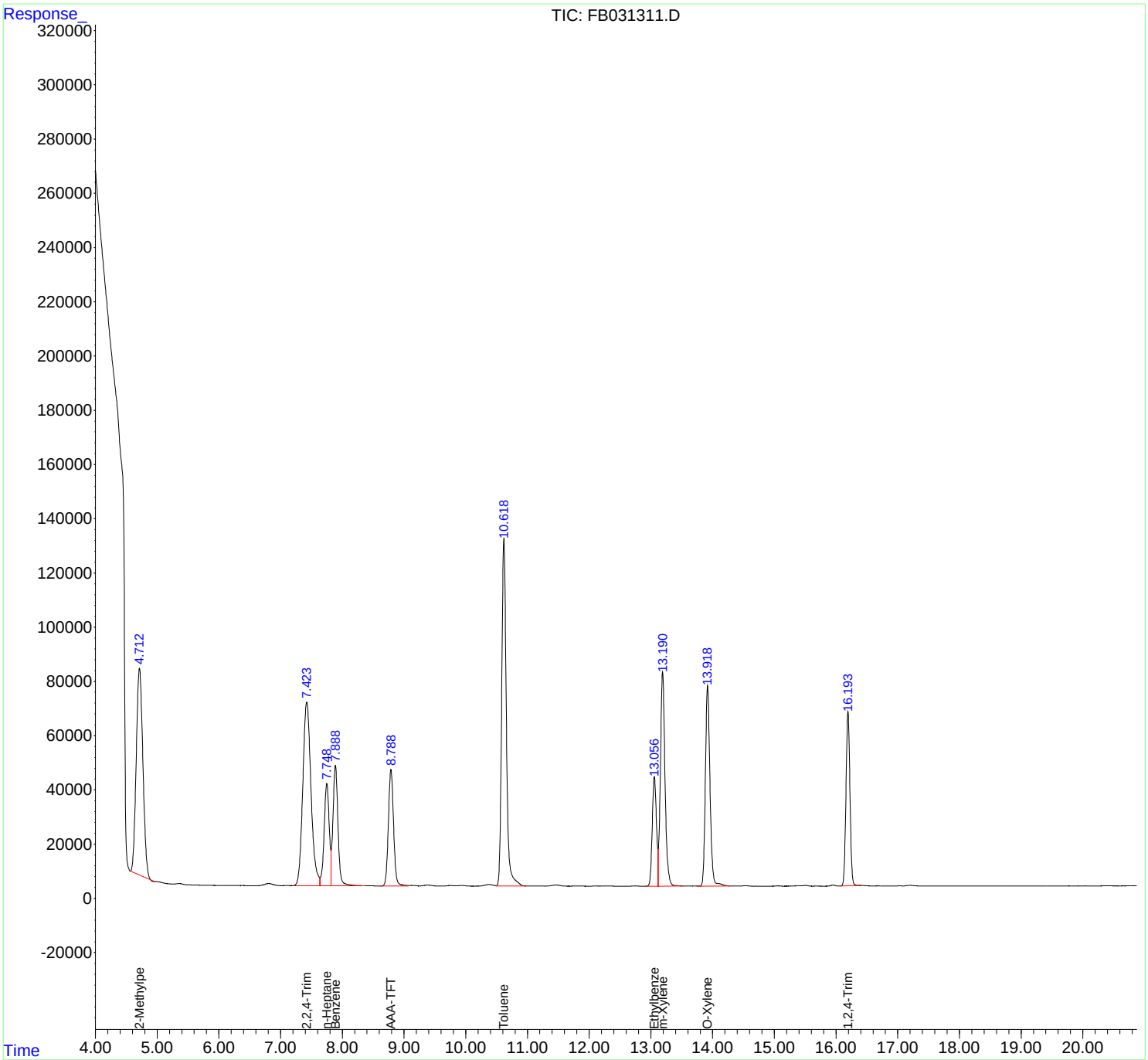
(f)=RT Delta > 1/2 Window (m)=manual int.

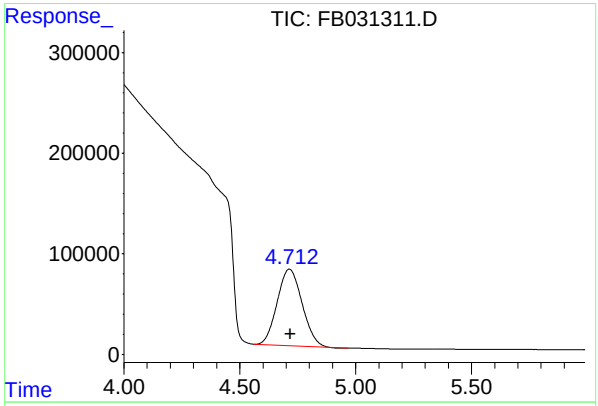
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011525\
Data File : FB031311.D
Signal(s) : FID2B.CH
Acq On : 15 Jan 2025 12:07
Operator : YP/AJ
Sample : 100 GRO STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
100 GRO STD

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

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

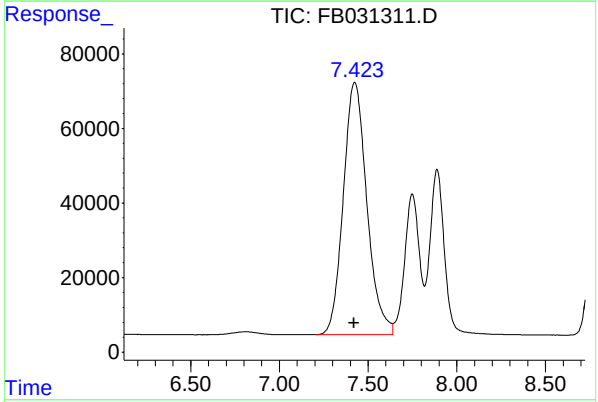




#1 2-Methylpentane

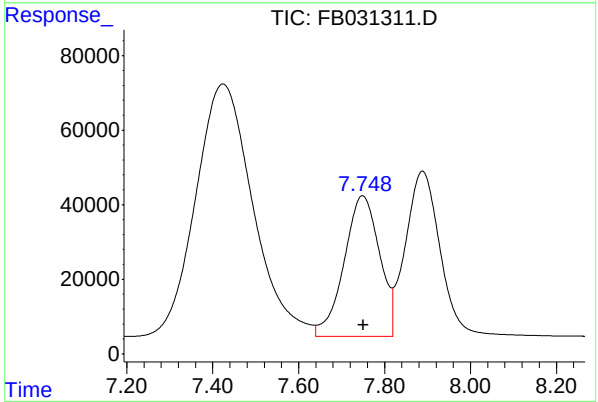
R.T.: 4.714 min
Delta R.T.: -0.004 min
Response: 5701862
Conc: 178.58 ng/ml

Instrument :
FID_B
ClientSampleId :
100 GRO STD



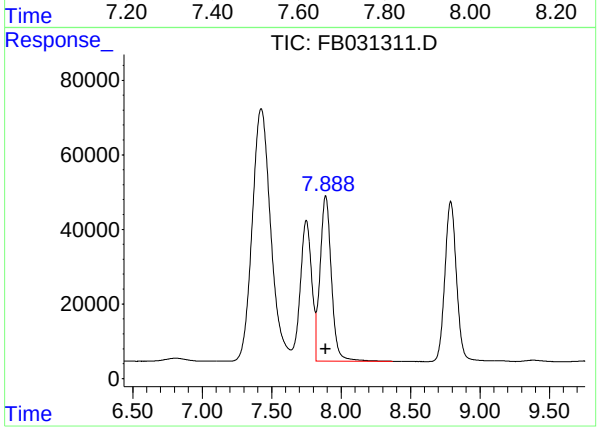
#2 2,2,4-Trimethylpentane

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



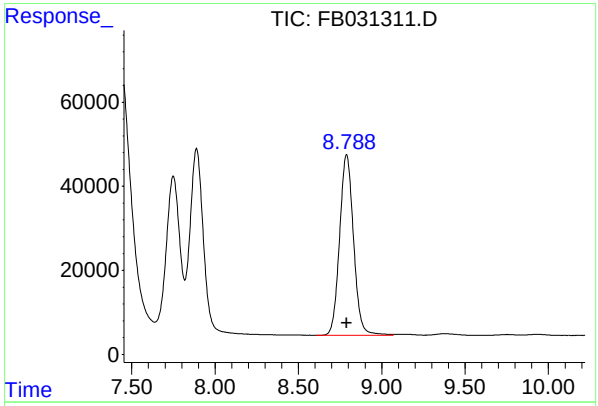
#3 n-Heptane

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



#4 Benzene

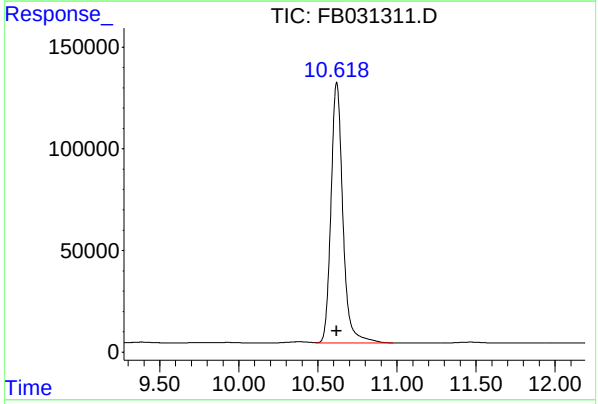
R.T.: 7.889 min
Delta R.T.: 0.000 min
Response: 2519199
Conc: 61.99 ng/ml



#5 AAA-TFT

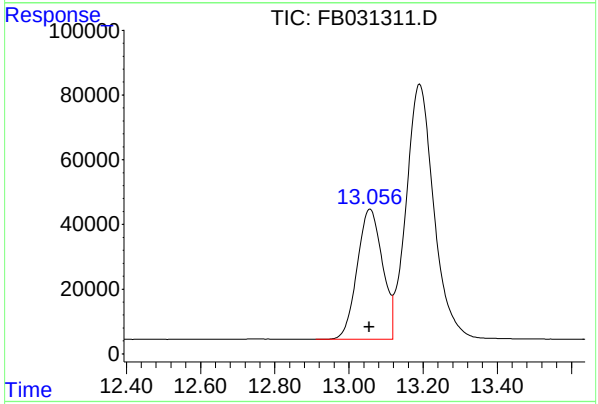
R.T.: 8.789 min
Delta R.T.: 0.000 min
Response: 2505507
Conc: 106.38 ng/ml

Instrument :
FID_B
ClientSampleId :
100 GRO STD



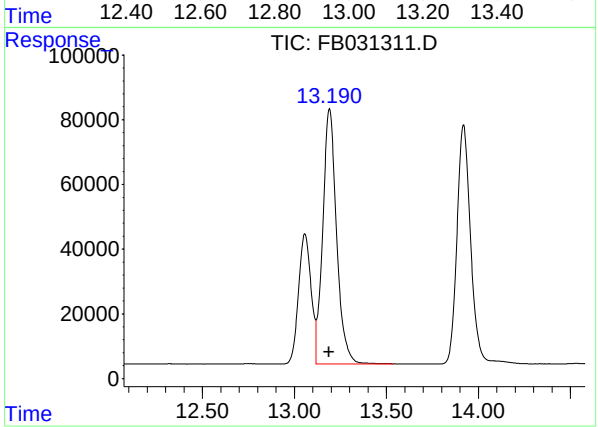
#6 Toluene

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



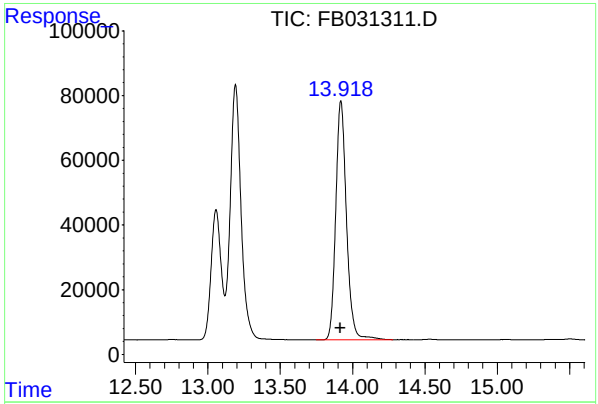
#7 Ethylbenzene

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



#8 m-Xylene

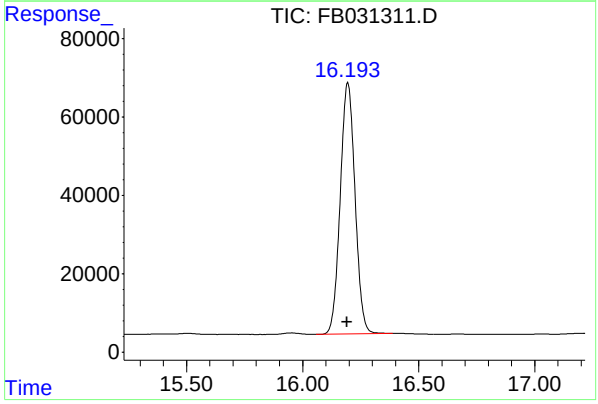
R.T.: 13.191 min
Delta R.T.: 0.003 min
Response: 4113116
Conc: 112.87 ng/ml



#9 O-Xylene

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

Instrument :
FID_B
ClientSampleId :
100 GRO STD



#10 1,2,4-Trimethylbenzene

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

rteres

Area Percent Report

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

Integration File: Calibration.e

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

Signal : FID2B.CH

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

Sum of corrected areas: 38519896

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

Quantitation Report (QT Reviewed)

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

Instrument :
FID_B
ClientSampleId :
FB011525GROICV

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

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

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

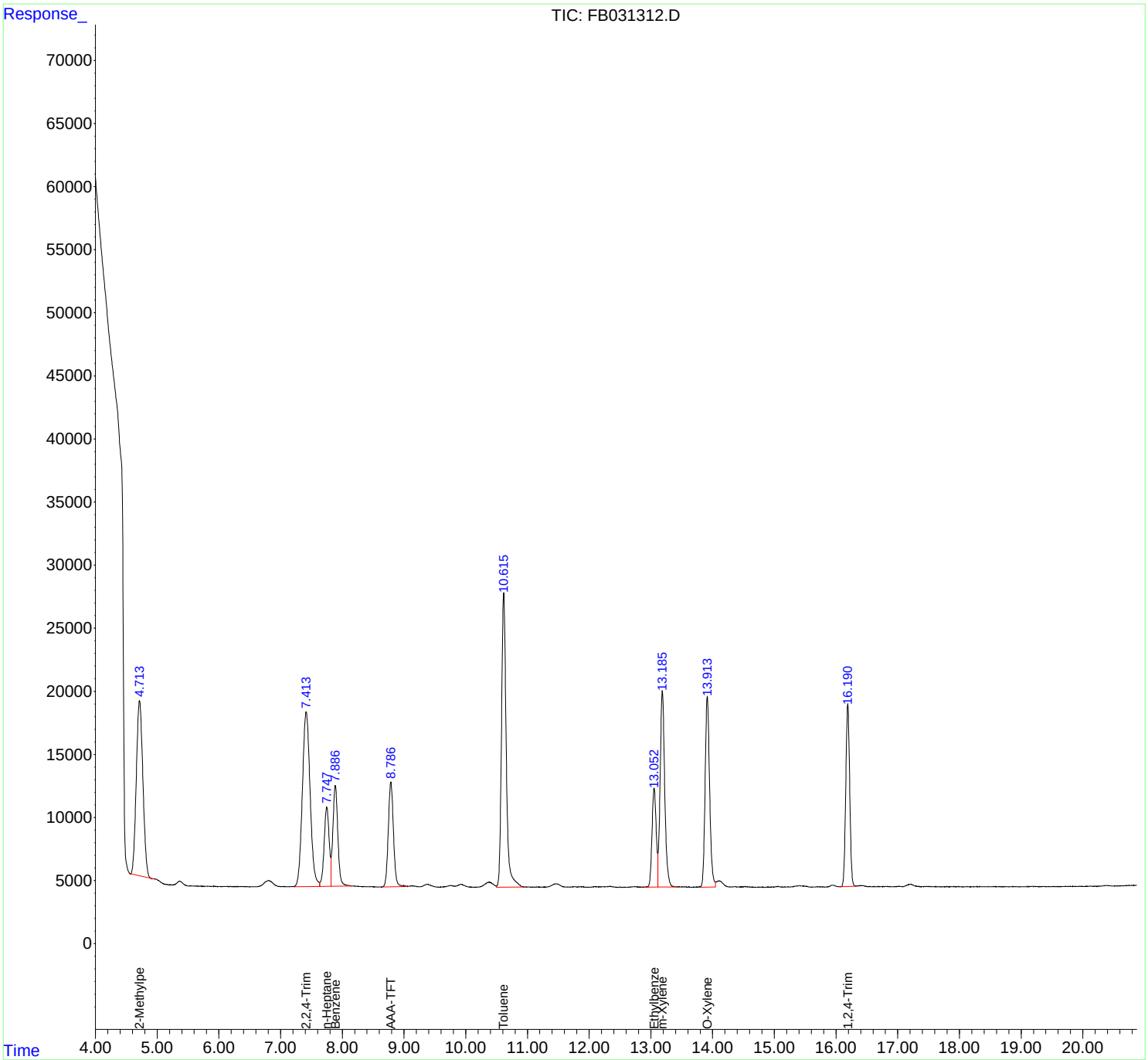
(f)=RT Delta > 1/2 Window (m)=manual int.

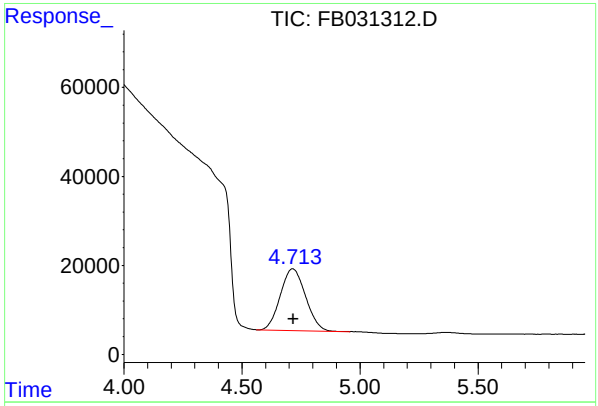
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011525\
Data File : FB031312.D
Signal(s) : FID2B.CH
Acq On : 15 Jan 2025 12:44
Operator : YP/AJ
Sample : FB011525GROICV
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
FB011525GROICV

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

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

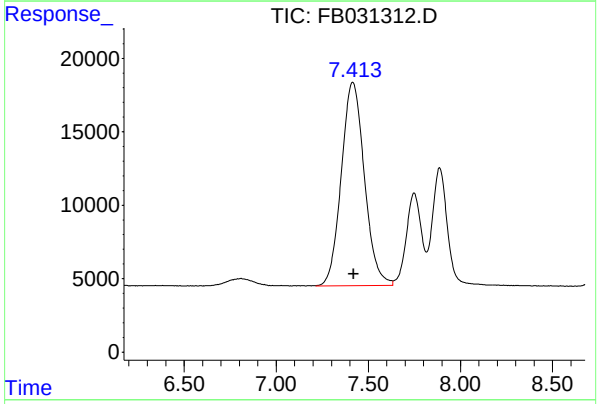




#1 2-Methylpentane

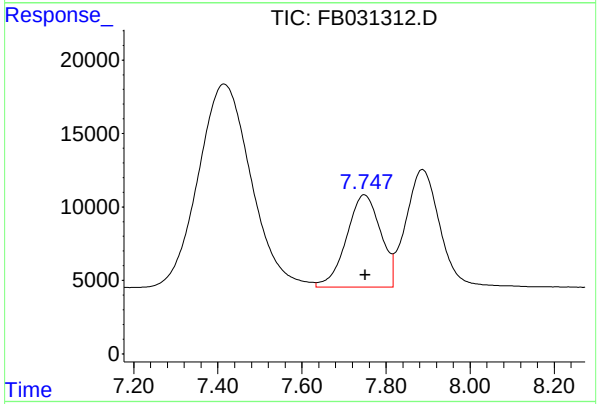
R.T.: 4.715 min
Delta R.T.: -0.003 min
Response: 1029585
Conc: 31.06 ng/ml

Instrument :
FID_B
ClientSampleId :
FB011525GROICV



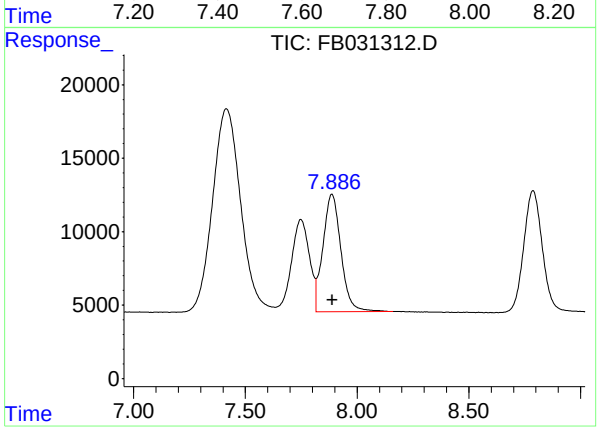
#2 2,2,4-Trimethylpentane

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



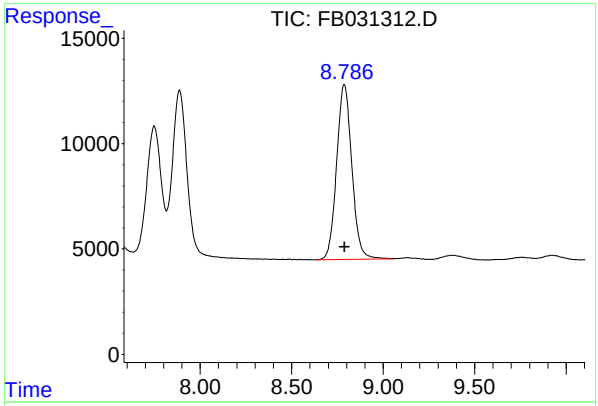
#3 n-Heptane

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



#4 Benzene

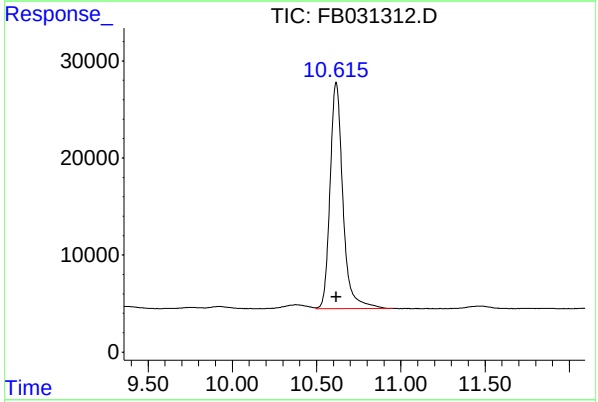
R.T.: 7.887 min
Delta R.T.: -0.003 min
Response: 448910
Conc: 10.54 ng/ml



#5 AAA-TFT

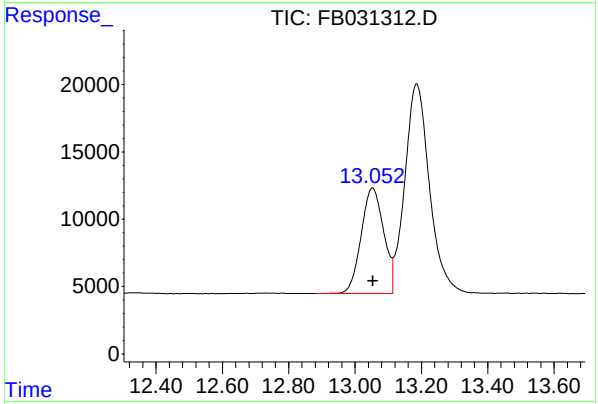
R.T.: 8.788 min
Delta R.T.: -0.002 min
Response: 479840
Conc: 20.12 ng/ml

Instrument :
FID_B
ClientSampleId :
FB011525GROICV



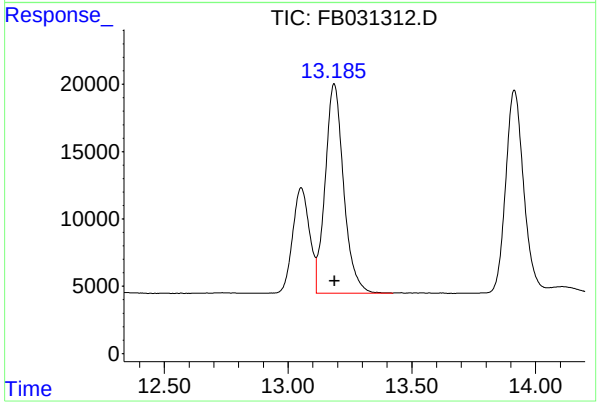
#6 Toluene

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



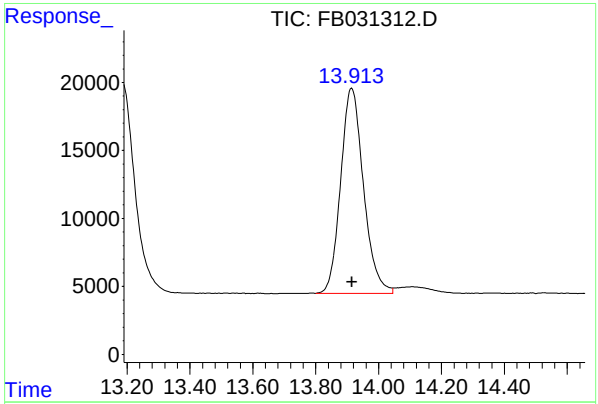
#7 Ethylbenzene

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



#8 m-Xylene

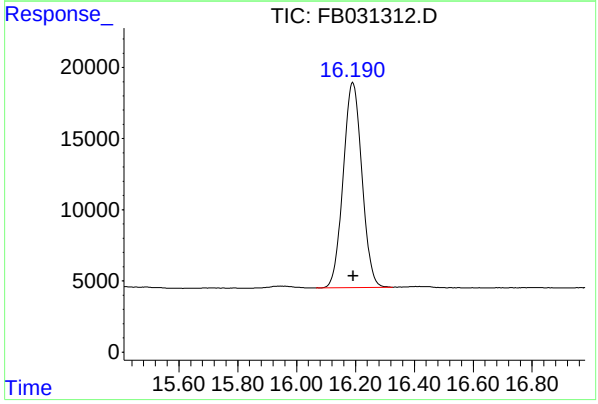
R.T.: 13.186 min
Delta R.T.: -0.002 min
Response: 805181
Conc: 21.54 ng/ml



#9 O-Xylene

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

Instrument :
FID_B
ClientSampleId :
FB011525GROICV



#10 1,2,4-Trimethylbenzene

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

rteres

Area Percent Report

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

Integration File: Calibration.e

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

Signal : FID2B.CH

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

Sum of corrected areas: 7326001

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

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

GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Chemtech Contract: RUTW01

ProjectID: NYCDDC SANTWOBR Brooklyn Bridge BBMCR

Lab Code: CHEM Case No.: Q1216 SAS No.: Q1216 SDG No.: Q1216

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

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

Quantitation Report (QT Reviewed)

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

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

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

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

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

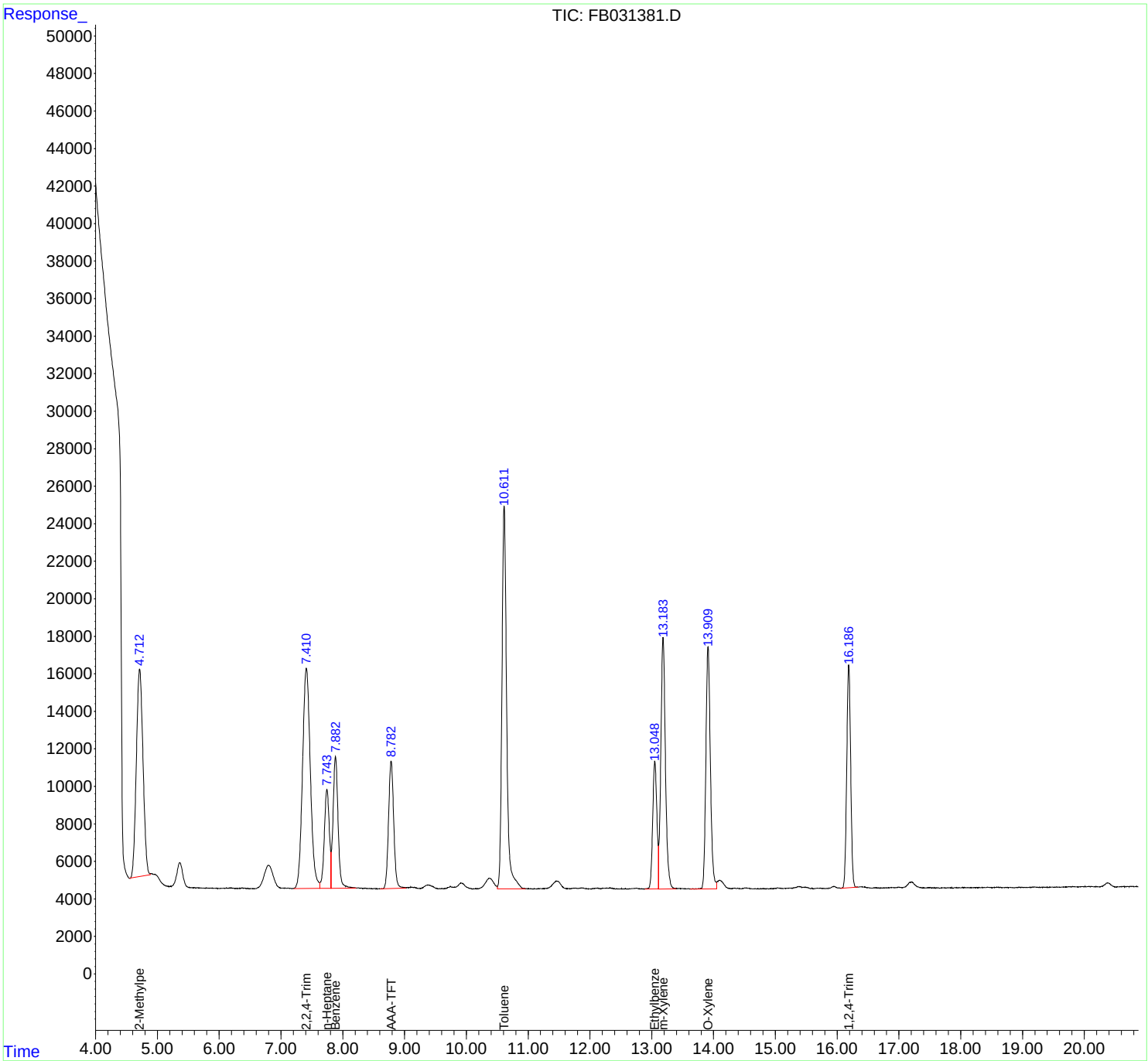
(f)=RT Delta > 1/2 Window (m)=manual int.

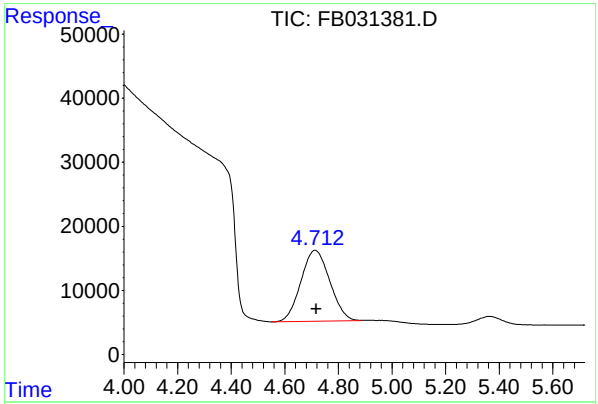
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013025\
Data File : FB031381.D
Signal(s) : FID2B.CH
Acq On : 30 Jan 2025 9:08
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

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

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

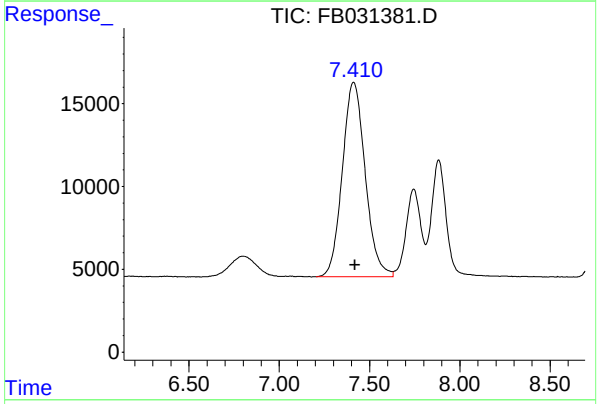




#1 2-Methylpentane

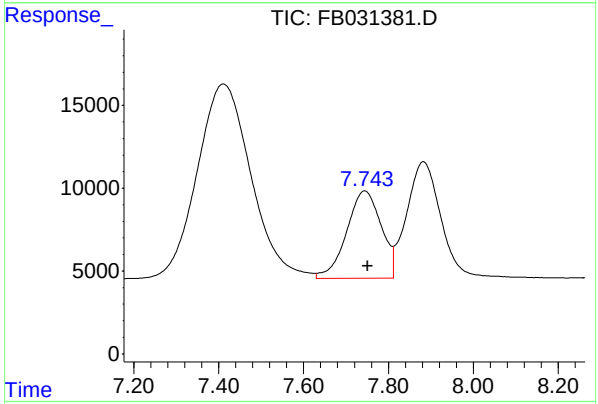
R.T.: 4.713 min
Delta R.T.: -0.005 min
Response: 827207
Conc: 24.96 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



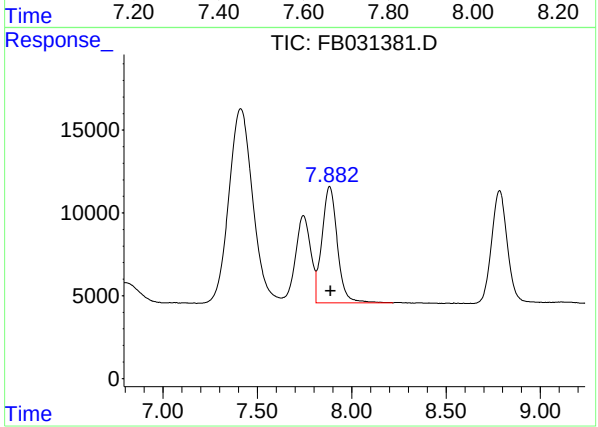
#2 2,2,4-Trimethylpentane

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



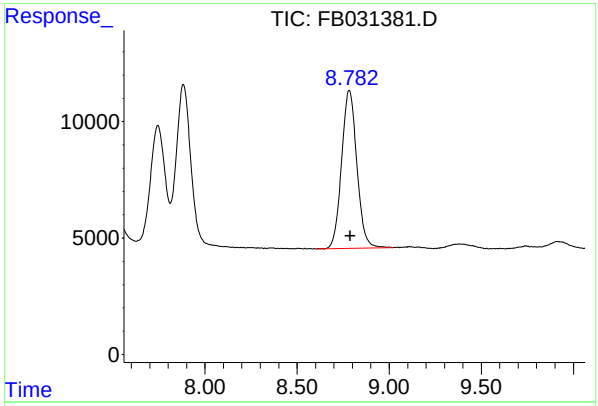
#3 n-Heptane

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



#4 Benzene

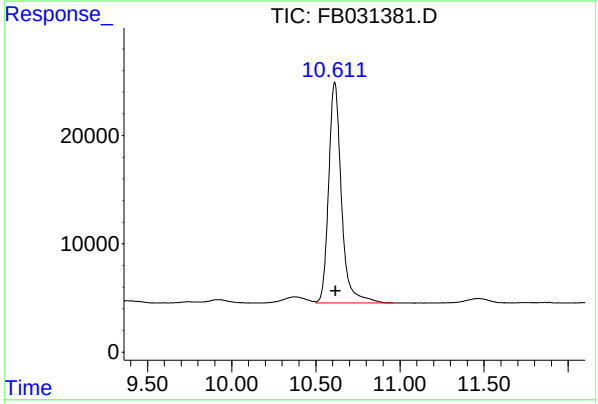
R.T.: 7.883 min
Delta R.T.: -0.007 min
Response: 396961
Conc: 9.32 ng/ml



#5 AAA-TFT

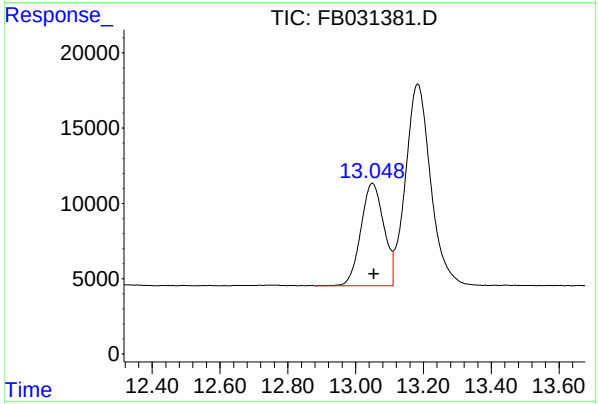
R.T.: 8.784 min
Delta R.T.: -0.006 min
Response: 391488
Conc: 16.41 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



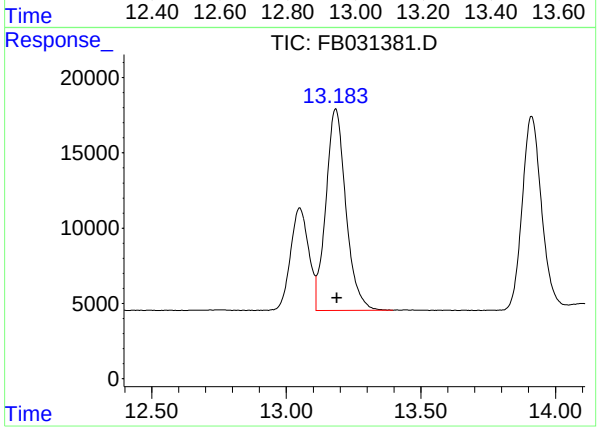
#6 Toluene

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



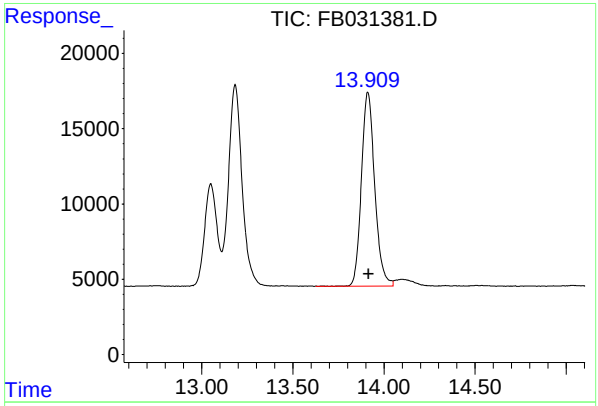
#7 Ethylbenzene

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



#8 m-Xylene

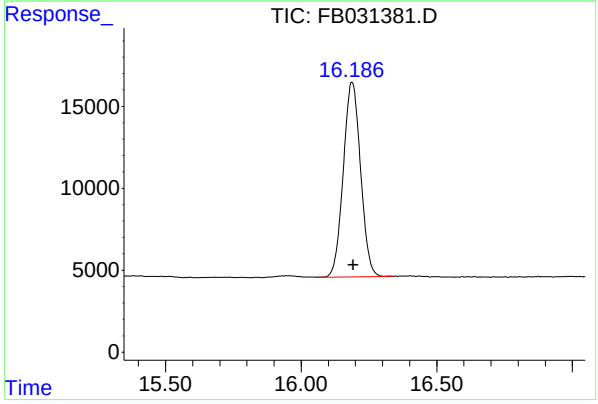
R.T.: 13.184 min
Delta R.T.: -0.004 min
Response: 692642
Conc: 18.53 ng/ml



#9 O-Xylene

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

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



#10 1,2,4-Trimethylbenzene

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

rteres

Area Percent Report

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

Integration File: Calibration.e

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

Signal : FID2B.CH

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

Sum of corrected areas: 6218407

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

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Fax : 908 789 8922

GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Chemtech Contract: RUTW01

ProjectID: NYCDDC SANTWOBR Brooklyn Bridge BBMCR

Lab Code: CHEM Case No.: Q1216 SAS No.: Q1216 SDG No.: Q1216

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

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

Quantitation Report (QT Reviewed)

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

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

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

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

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

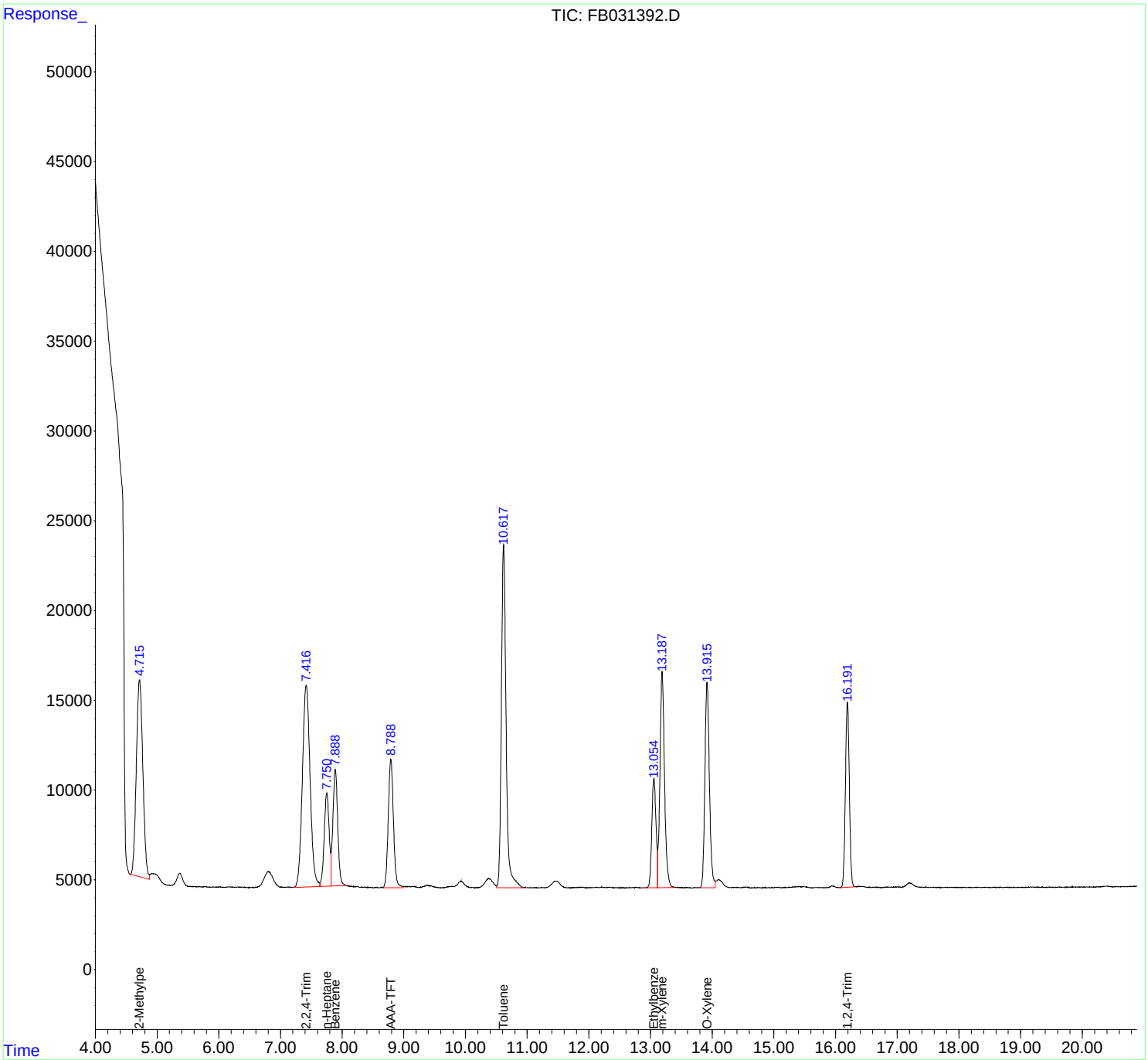
(f)=RT Delta > 1/2 Window (m)=manual int.

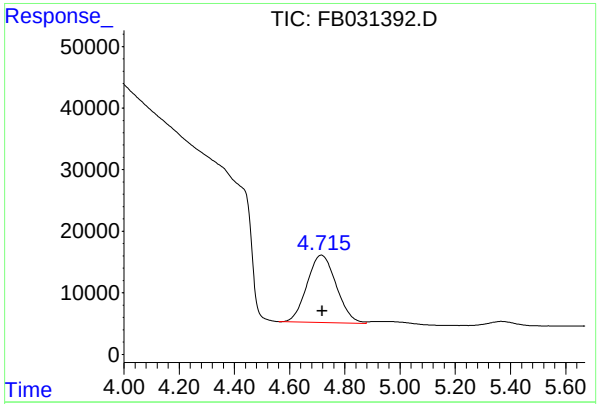
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013025\
Data File : FB031392.D
Signal(s) : FID2B.CH
Acq On : 30 Jan 2025 14:40
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

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

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

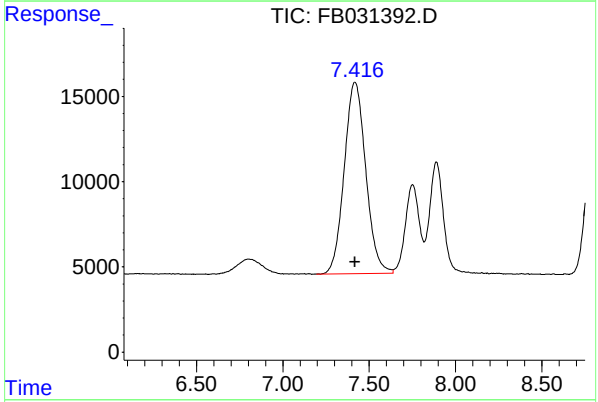




#1 2-Methylpentane

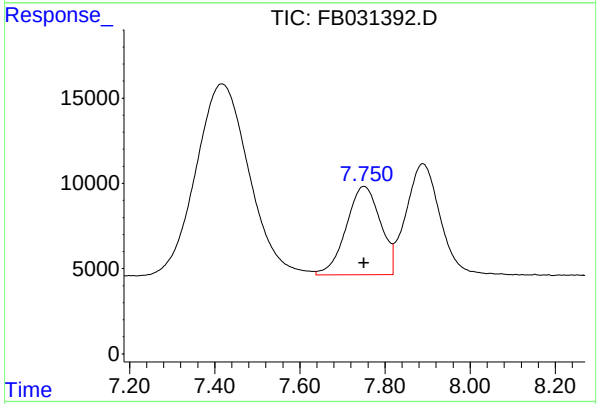
R.T.: 4.716 min
Delta R.T.: -0.002 min
Response: 806562
Conc: 24.33 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



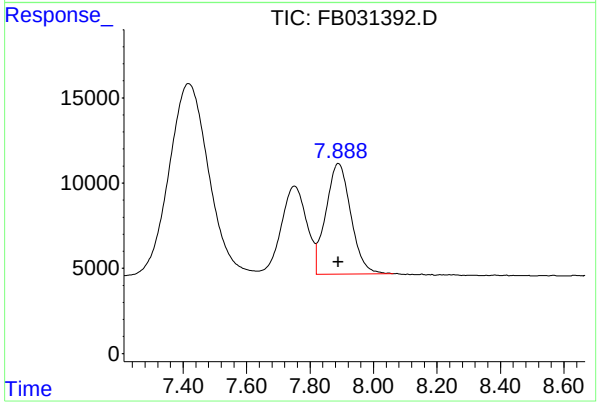
#2 2,2,4-Trimethylpentane

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



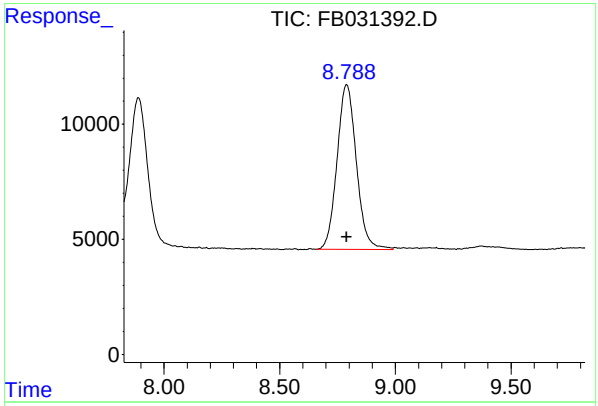
#3 n-Heptane

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



#4 Benzene

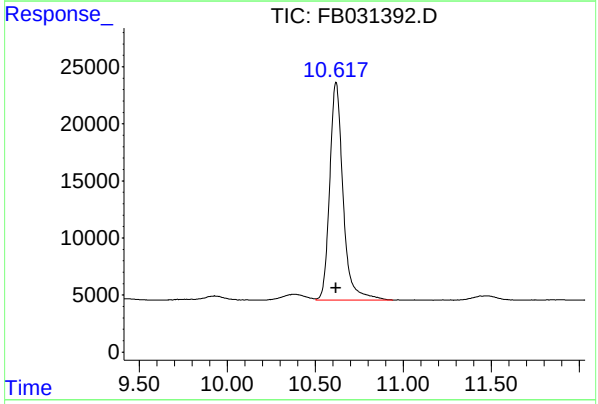
R.T.: 7.889 min
Delta R.T.: 0.000 min
Response: 355906
Conc: 8.36 ng/ml



#5 AAA-TFT

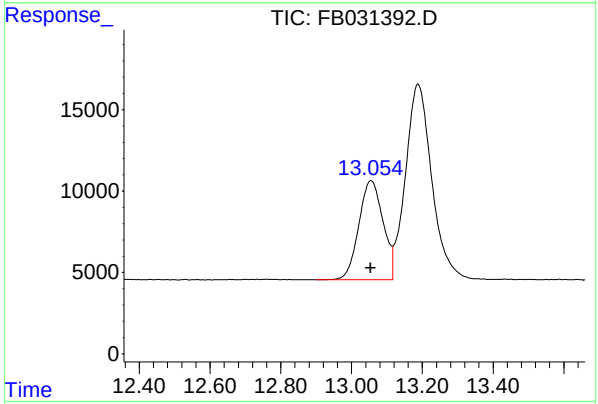
R.T.: 8.790 min
Delta R.T.: 0.000 min
Response: 415650
Conc: 17.43 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



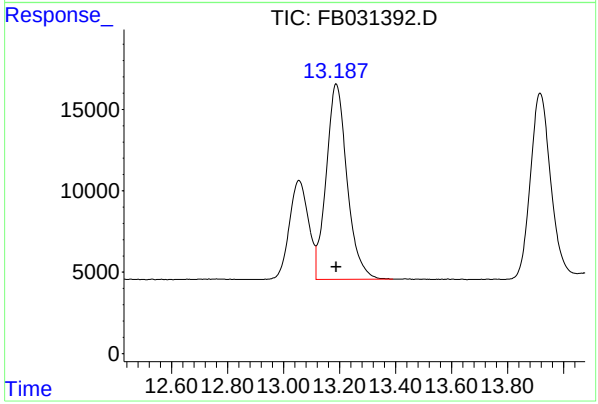
#6 Toluene

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



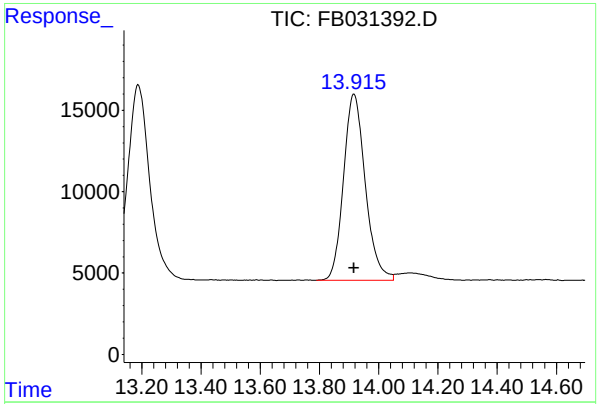
#7 Ethylbenzene

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



#8 m-Xylene

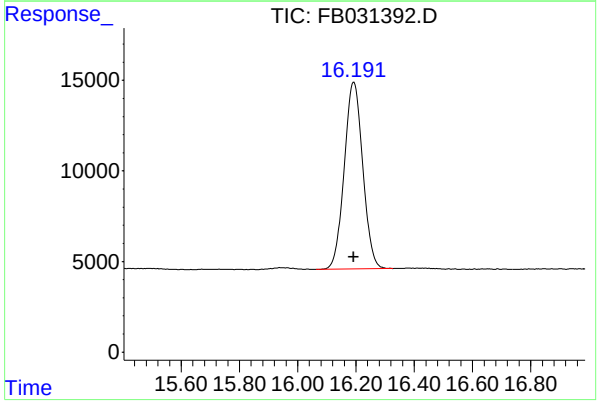
R.T.: 13.189 min
Delta R.T.: 0.000 min
Response: 621170
Conc: 16.62 ng/ml



#9 O-Xylene

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

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



#10 1,2,4-Trimethylbenzene

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

rteres

Area Percent Report

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

Integration File: Calibration.e

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

Signal : FID2B.CH

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

Sum of corrected areas: 5797858

FB011525.M Fri Jan 31 01:23:49 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.: Q1216 SAS No.: Q1216 SDG No.: Q1216

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

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

Quantitation Report (QT Reviewed)

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

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

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

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

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

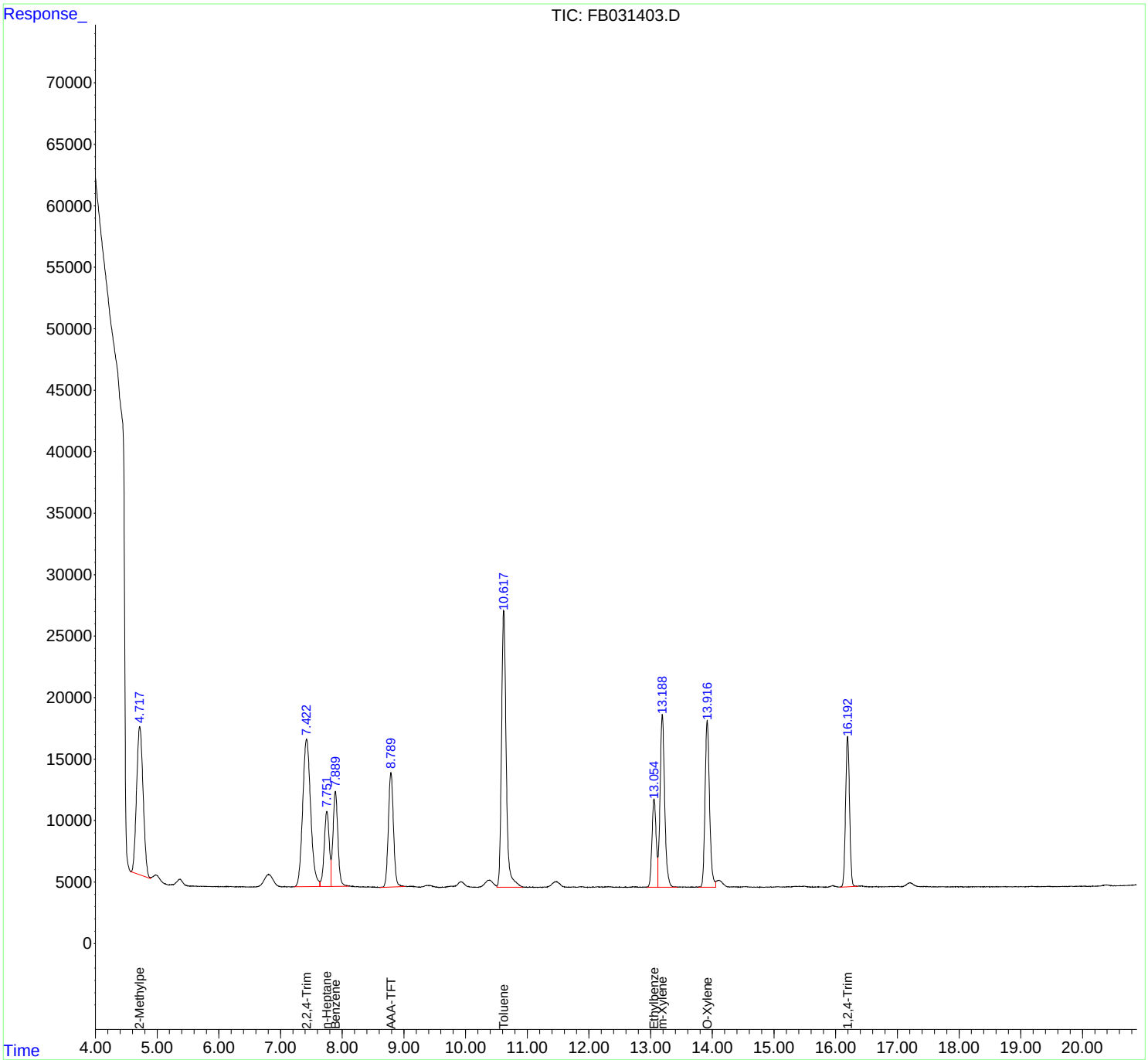
(f)=RT Delta > 1/2 Window (m)=manual int.

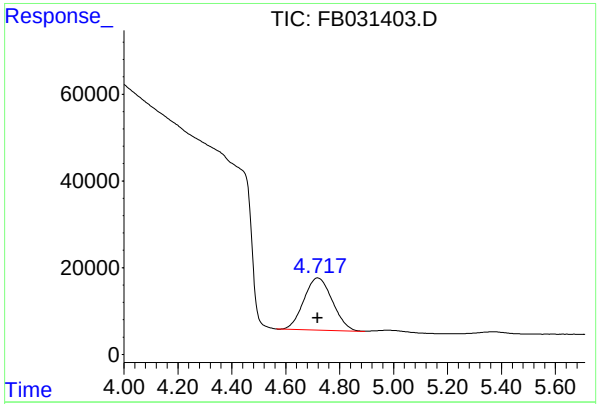
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013025\
Data File : FB031403.D
Signal(s) : FID2B.CH
Acq On : 30 Jan 2025 19:59
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

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

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

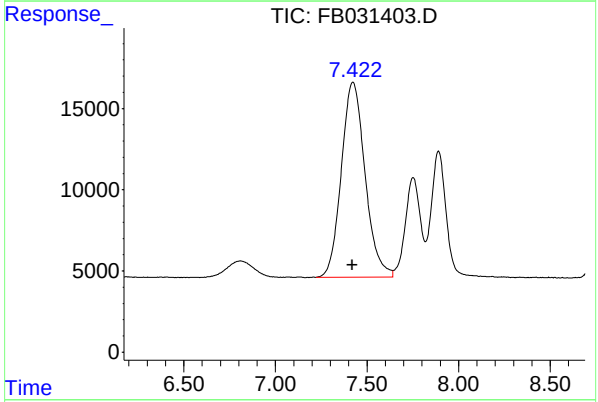




#1 2-Methylpentane

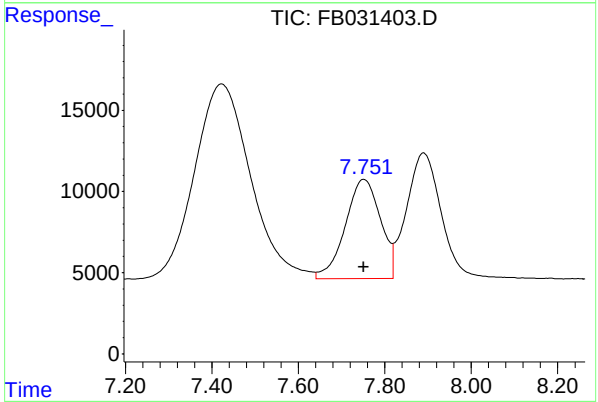
R.T.: 4.718 min
Delta R.T.: 0.000 min
Response: 890209
Conc: 26.86 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



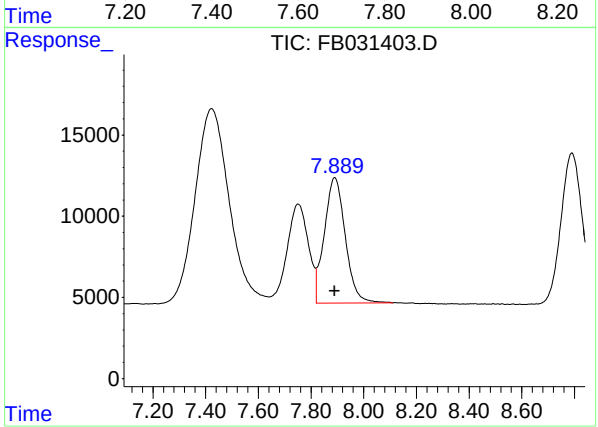
#2 2,2,4-Trimethylpentane

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



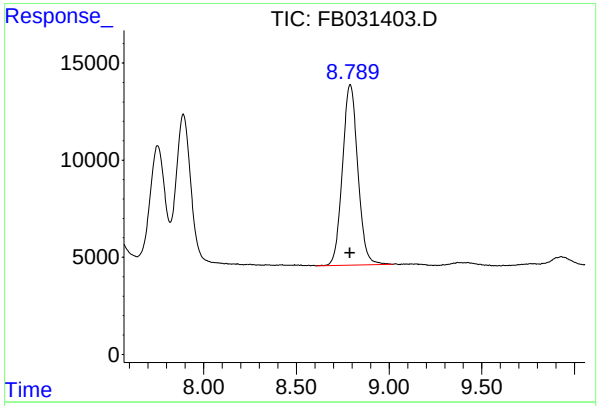
#3 n-Heptane

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



#4 Benzene

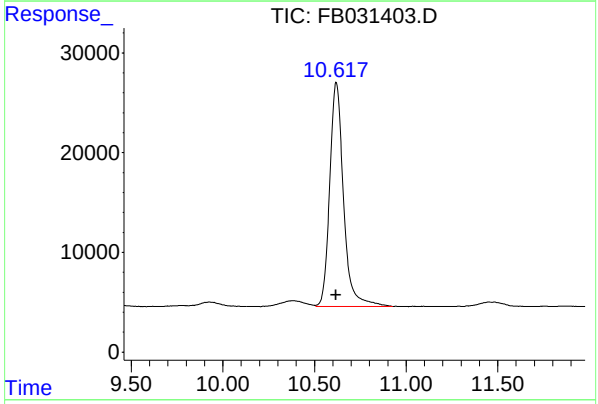
R.T.: 7.890 min
Delta R.T.: 0.000 min
Response: 429074
Conc: 10.07 ng/ml



#5 AAA-TFT

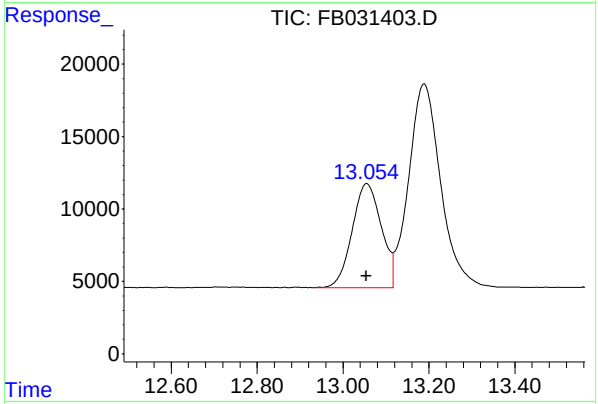
R.T.: 8.790 min
Delta R.T.: 0.000 min
Response: 535177
Conc: 22.44 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



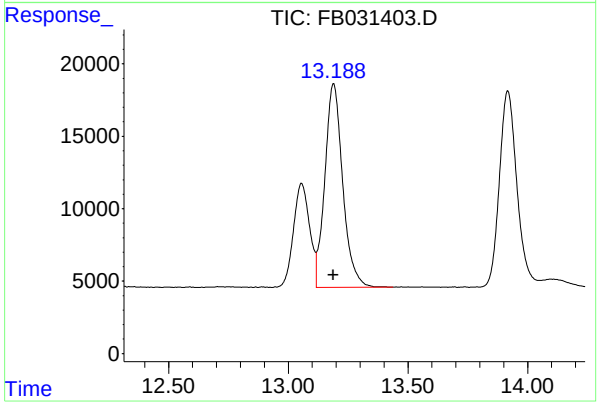
#6 Toluene

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



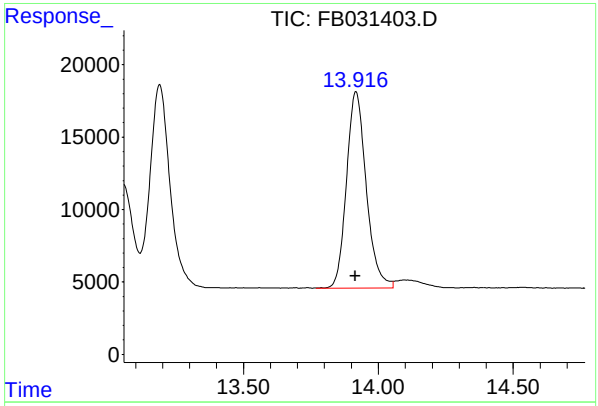
#7 Ethylbenzene

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



#8 m-Xylene

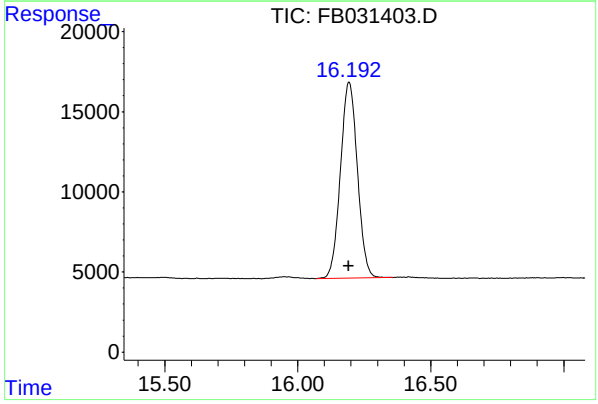
R.T.: 13.189 min
Delta R.T.: 0.001 min
Response: 728348
Conc: 19.49 ng/ml



#9 O-Xylene

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

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



#10 1,2,4-Trimethylbenzene

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

rteres

Area Percent Report

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

Integration File: Calibration.e

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

Signal : FID2B.CH

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

Sum of corrected areas: 6763162

FB011525.M Fri Jan 31 01:24:31 2025

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

GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Chemtech Contract: RUTW01

ProjectID: NYCDDC SANTWOBR Brooklyn Bridge BBMCR

Lab Code: CHEM Case No.: Q1216 SAS No.: Q1216 SDG No.: Q1216

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

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

Quantitation Report (QT Reviewed)

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

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

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

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

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

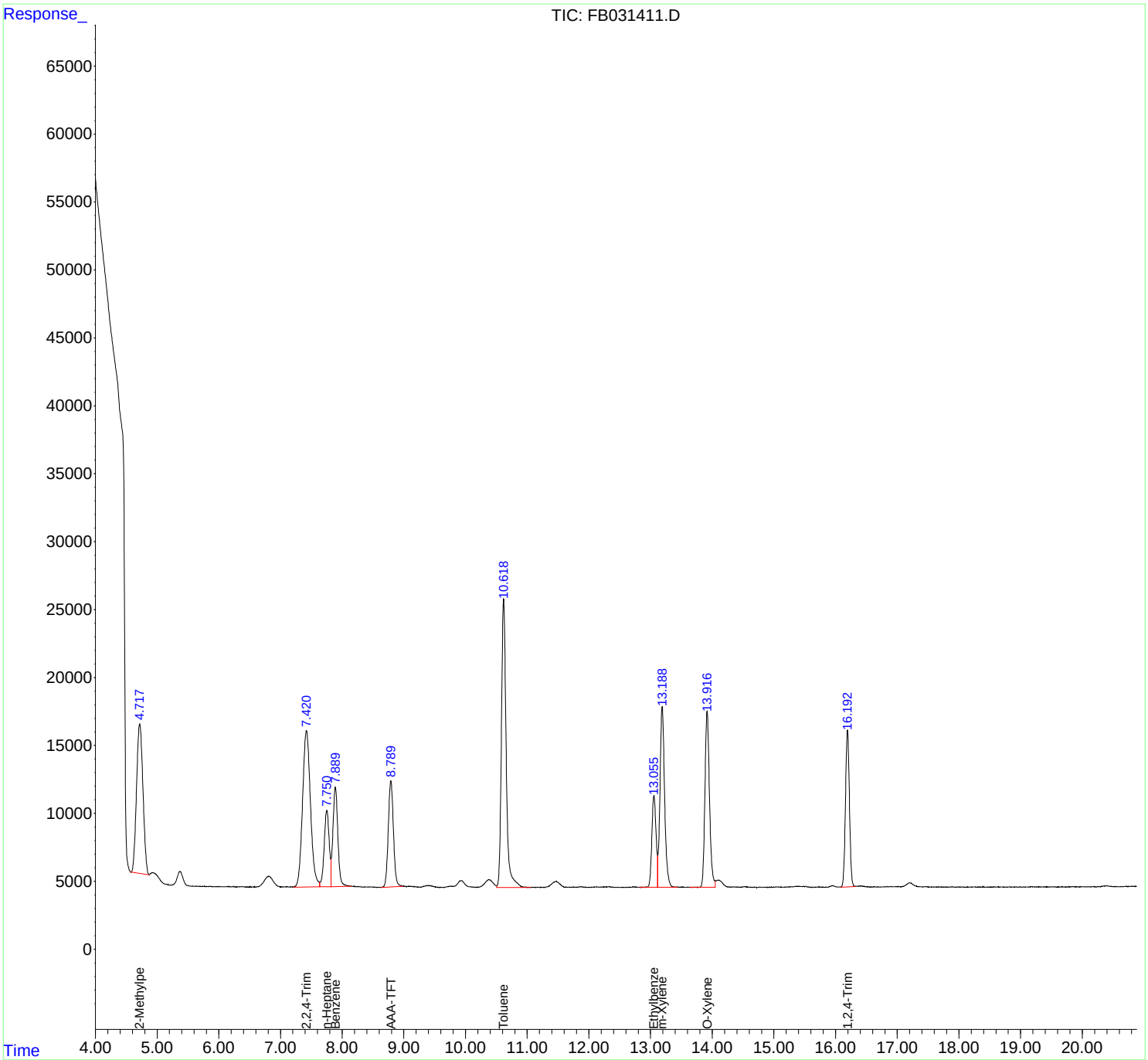
(f)=RT Delta > 1/2 Window (m)=manual int.

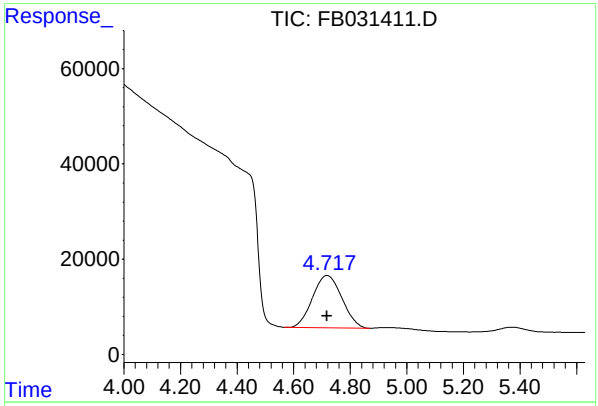
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013025\
Data File : FB031411.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 00:26
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

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

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

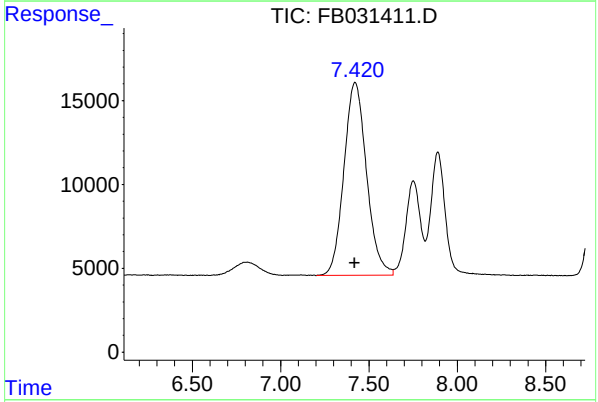




#1 2-Methylpentane

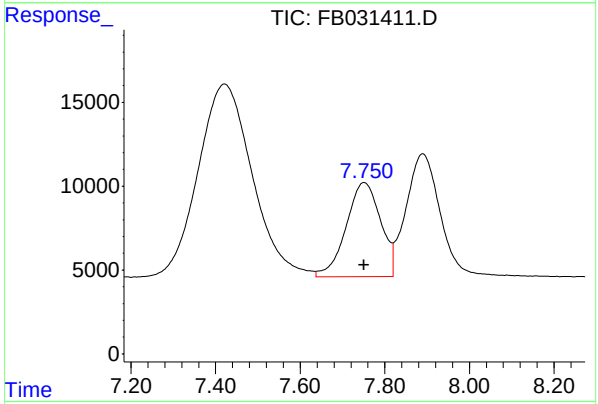
R.T.: 4.718 min
Delta R.T.: 0.000 min
Response: 793046
Conc: 23.93 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



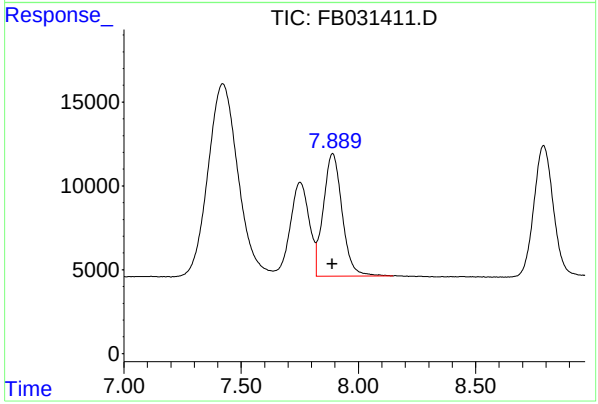
#2 2,2,4-Trimethylpentane

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



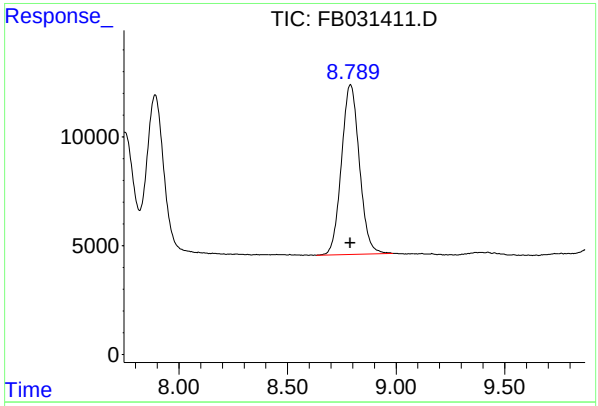
#3 n-Heptane

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



#4 Benzene

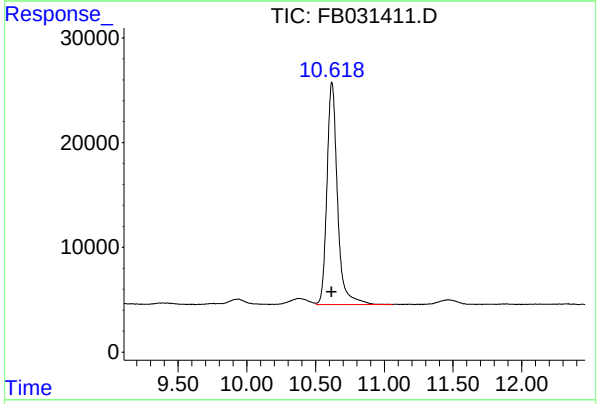
R.T.: 7.891 min
Delta R.T.: 0.000 min
Response: 408888
Conc: 9.60 ng/ml



#5 AAA-TFT

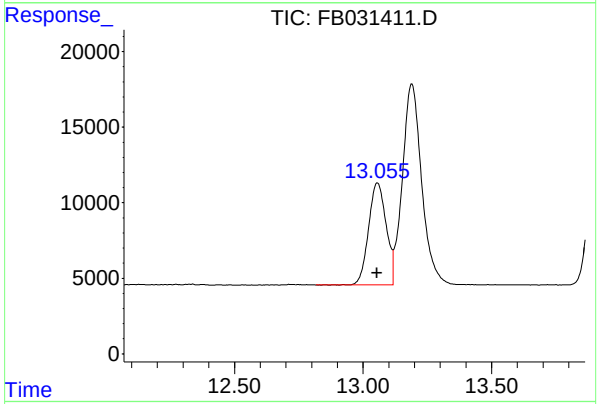
R.T.: 8.790 min
Delta R.T.: 0.000 min
Response: 448607
Conc: 18.81 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



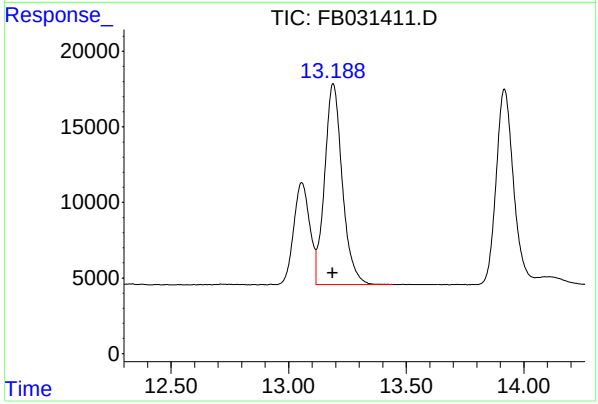
#6 Toluene

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



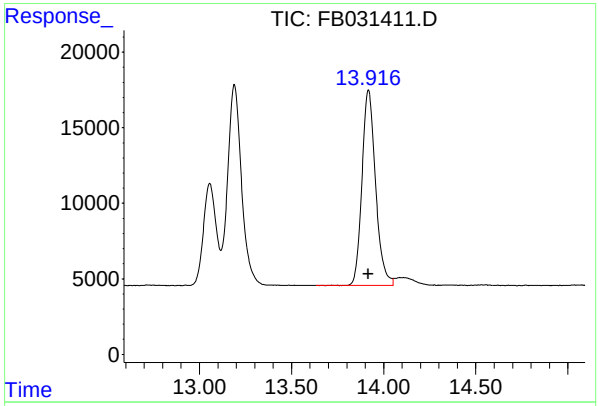
#7 Ethylbenzene

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



#8 m-Xylene

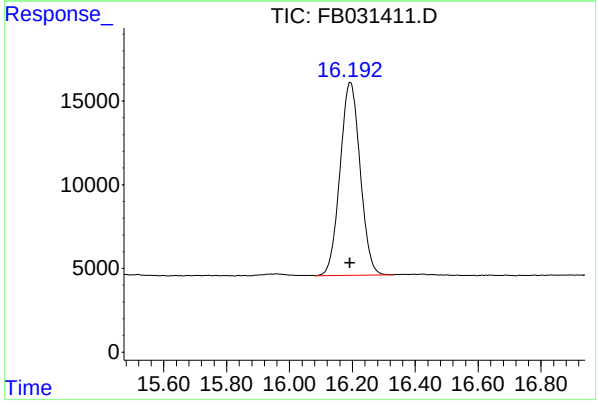
R.T.: 13.190 min
Delta R.T.: 0.002 min
Response: 695336
Conc: 18.60 ng/ml



#9 O-Xylene

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

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



#10 1,2,4-Trimethylbenzene

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

rteres

Area Percent Report

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

Integration File: Calibration.e

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

Signal : FID2B.CH

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

Sum of corrected areas: 6311592

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

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Analytical Sequence

Client: RU2 Engineering, LLC **SDG No.:** Q1216

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

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

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

MEAN SUROGATE RT FROM INITIAL CALIBRATION **8.7886**

EPA SAMPLE NO.	LAB SAMPLE ID	DATE AND TIME ANALYZED	DATAFILE	RT	#
20 PPB GRO STD	20 PPB GRO STD	30 Jan 2025 9:08	FB031381.D	8.784	
VBF0130S1	VBF0130S1	30 Jan 2025 9:47	FB031382.D	8.786	
VBF0130S2	VBF0130S2	30 Jan 2025 10:13	FB031383.D	8.790	
BSF0130S1	BSF0130S1	30 Jan 2025 10:40	FB031384.D	8.790	
JPP-18.1-012825	Q1216-01	30 Jan 2025 12:00	FB031386.D	8.790	
20 PPB GRO STD	20 PPB GRO STD	30 Jan 2025 14:40	FB031392.D	8.790	
JPP-26.2-012825	Q1216-17	30 Jan 2025 18:39	FB031400.D	8.787	
JPP-26.2-012825MS	Q1216-17MS	30 Jan 2025 19:06	FB031401.D	8.788	
JPP-26.2-012825MSD	Q1216-17MSD	30 Jan 2025 19:32	FB031402.D	8.790	
20 PPB GRO STD	20 PPB GRO STD	30 Jan 2025 19:59	FB031403.D	8.790	
JPP-21.1-012825	Q1216-05	30 Jan 2025 21:46	FB031405.D	8.789	
JPP-21.2-012825	Q1216-09	30 Jan 2025 22:13	FB031406.D	8.790	
JPP-26.1-012825	Q1216-13	30 Jan 2025 22:39	FB031407.D	8.790	
20 PPB GRO STD	20 PPB GRO STD	31 Jan 2025 00:26	FB031411.D	8.790	

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

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

QC SAMPLE DATA

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Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	VBF0130S1	SDG No.:	Q1216
Lab Sample ID:	VBF0130S1	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
FB031382.D	1	01/30/25 9:47	FB013025

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	21.1		50 - 150	106%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013025\
Data File : FB031382.D
Signal(s) : FID2B.CH
Acq On : 30 Jan 2025 9:47
Operator : YP/AJ
Sample : VBF0130S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0130S1

Integration File: Calibration.e
Quant Time: Jan 31 00:54:56 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	503550	21.111 ng/ml
Target Compounds				

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

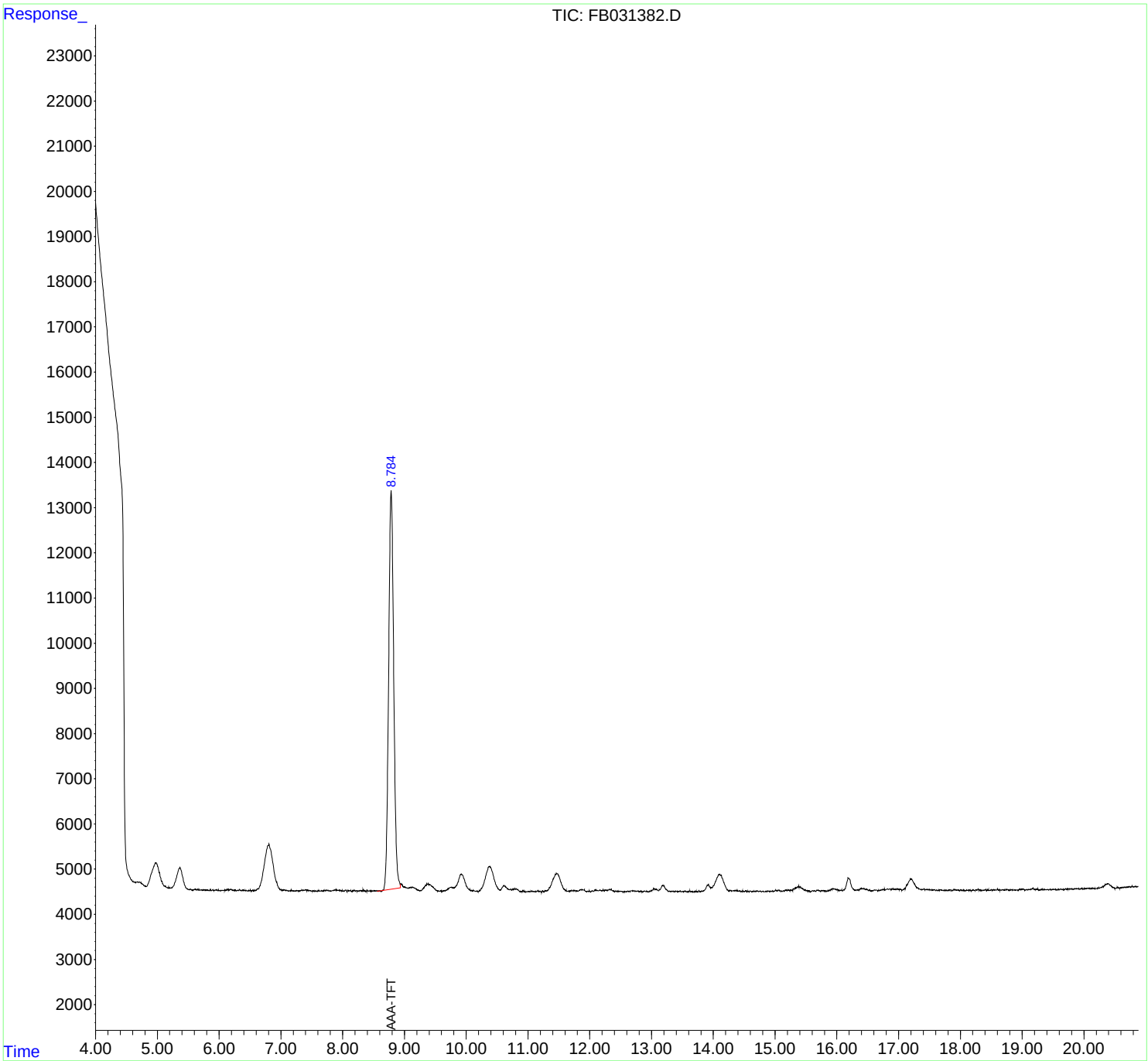
Quantitation Report (QT Reviewed)

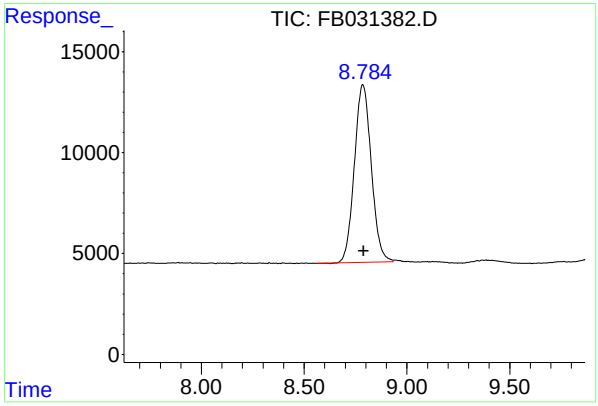
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013025\
Data File : FB031382.D
Signal(s) : FID2B.CH
Acq On : 30 Jan 2025 9:47
Operator : YP/AJ
Sample : VBF0130S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0130S1

Integration File: Calibration.e
Quant Time: Jan 31 00:54:56 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





#5 AAA-TFT

R.T.: 8.786 min
Delta R.T.: -0.004 mi
Response: 503550
Conc: 21.11 ng/m

Instrument :
FID_B
ClientSampleId :
VBF0130S1

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013025\
Data File : FB031382.D
Signal(s) : FID2B.CH
Acq On : 30 Jan 2025 9:47
Sample : VBF0130S1
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	8.786	8.558	8.933	PV	8818	503550	100.00%	100.000%
			Sum of corrected areas:			503550		

FB011525.M Fri Jan 31 01:22:19 2025

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Fax : 908 789 8922

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	VBF0130S2	SDG No.:	Q1216
Lab Sample ID:	VBF0130S2	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	100 Decanted:
Sample Wt/Vol:	5 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

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

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

Comments:

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

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

Quantitation Report (QT Reviewed)

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

Instrument :
FID_B
ClientSampleId :
VBF0130S2

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

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

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

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

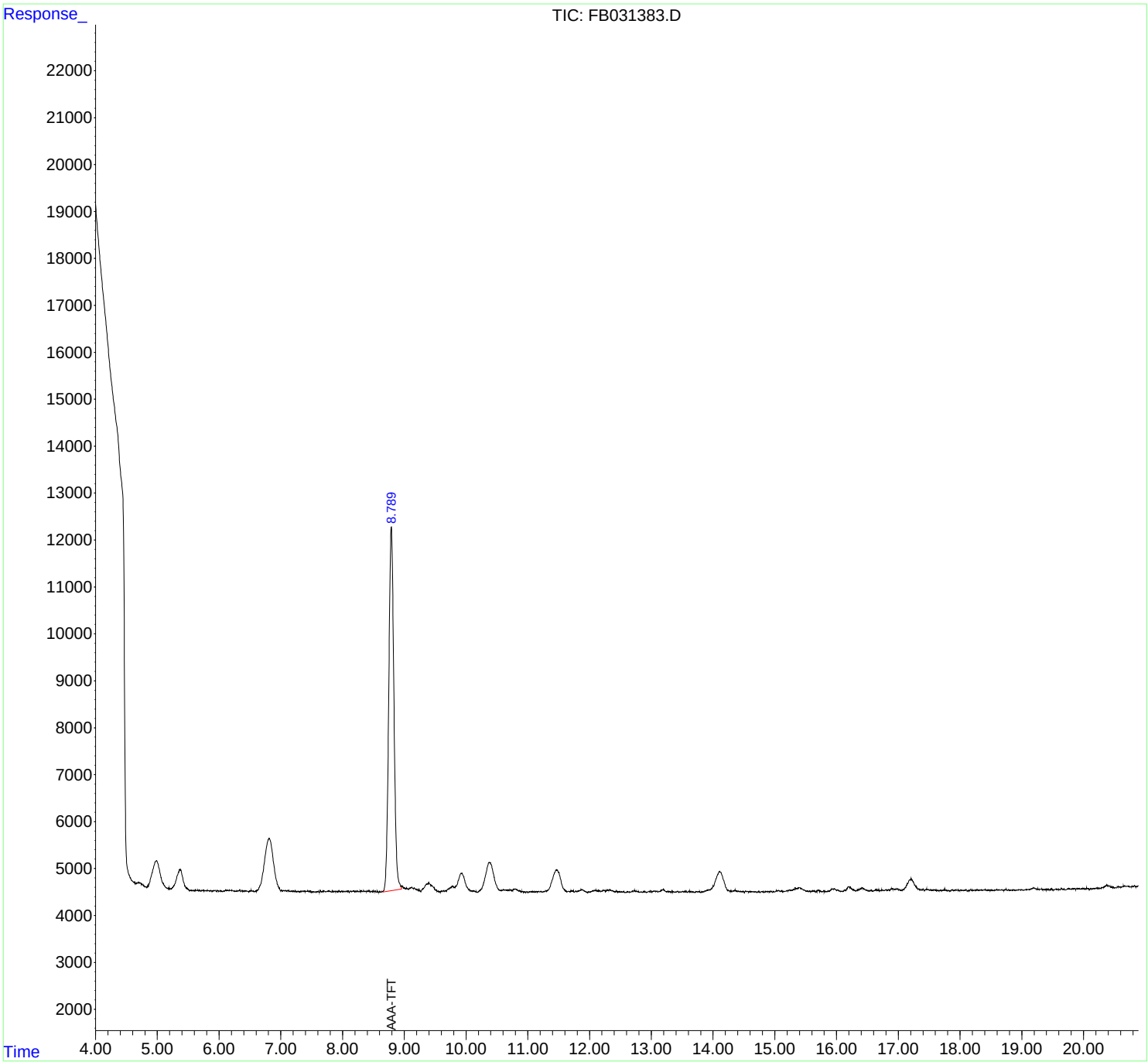
Quantitation Report (QT Reviewed)

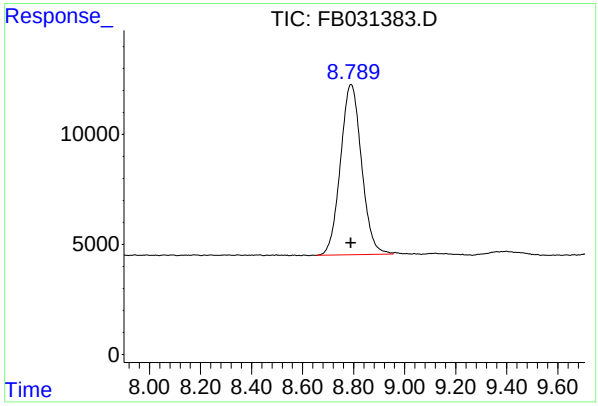
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013025\
Data File : FB031383.D
Signal(s) : FID2B.CH
Acq On : 30 Jan 2025 10:13
Operator : YP/AJ
Sample : VBF0130S2 50X
Misc : 5.00G/5.00 ML MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0130S2

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

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





#5 AAA-TFT

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

Instrument :
FID_B
ClientSampleId :
VBF0130S2

rteres

Area Percent Report

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

Integration File: Calibration.e

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

Signal : FID2B.CH

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

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

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	BSF0130S1	SDG No.:	Q1216
Lab Sample ID:	BSF0130S1	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	100 Decanted:
Sample Wt/Vol:	5 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

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

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	180		8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	17.1		50 - 150	85%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

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

Instrument :
FID_B
ClientSampleId :
BSF0130S1

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

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

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

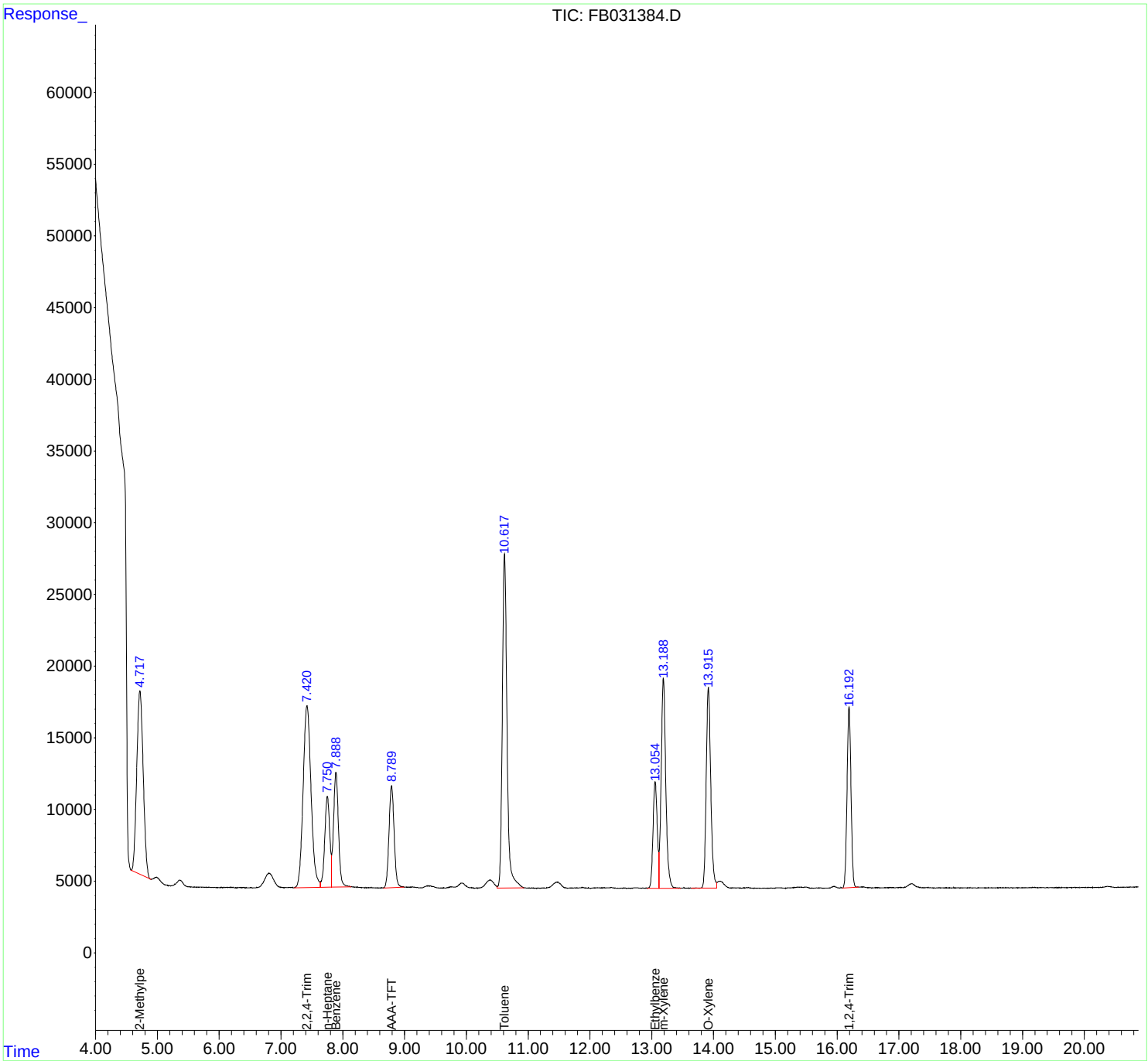
(f)=RT Delta > 1/2 Window (m)=manual int.

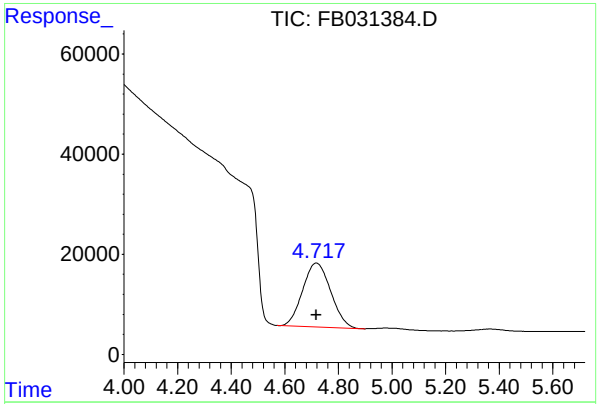
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013025\
Data File : FB031384.D
Signal(s) : FID2B.CH
Acq On : 30 Jan 2025 10:40
Operator : YP/AJ
Sample : BSF0130S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0130S1

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

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

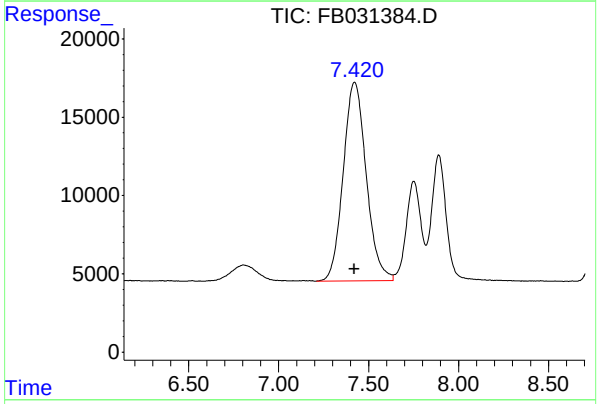




#1 2-Methylpentane

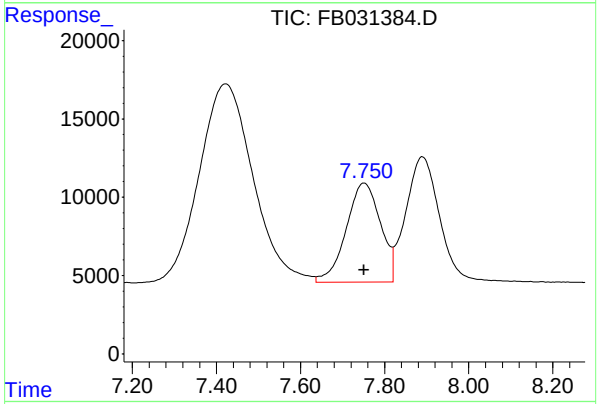
R.T.: 4.719 min
Delta R.T.: 0.000 min
Response: 928120
Conc: 28.00 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0130S1



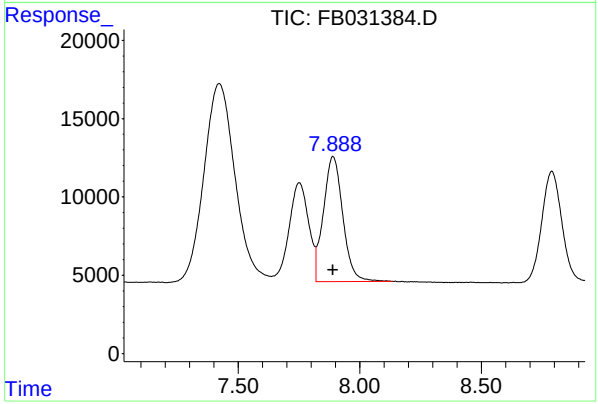
#2 2,2,4-Trimethylpentane

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



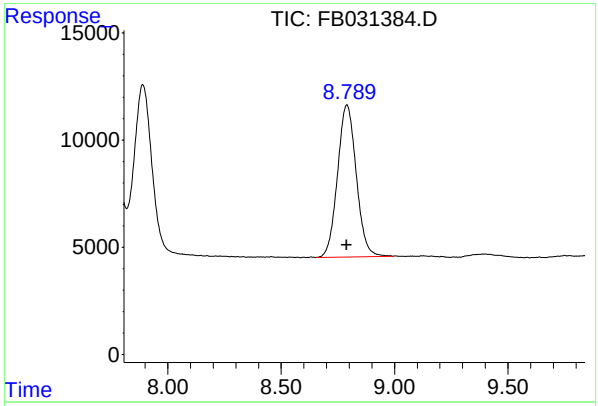
#3 n-Heptane

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



#4 Benzene

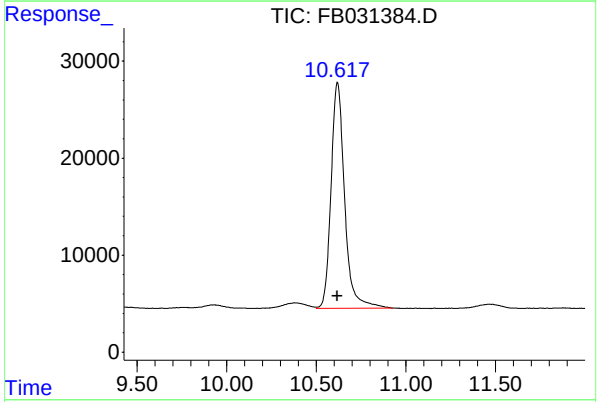
R.T.: 7.890 min
Delta R.T.: 0.000 min
Response: 444792
Conc: 10.44 ng/ml



#5 AAA-TFT

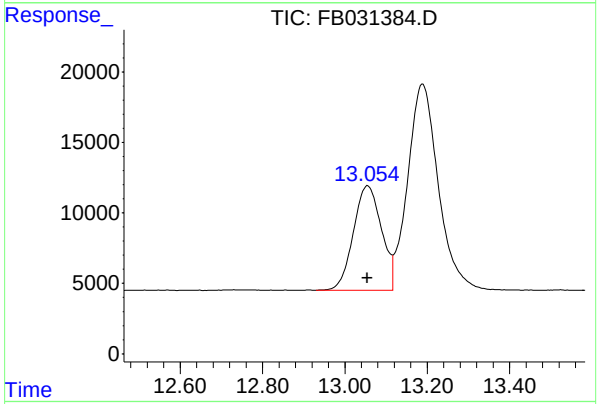
R.T.: 8.790 min
Delta R.T.: 0.000 min
Response: 407697
Conc: 17.09 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0130S1



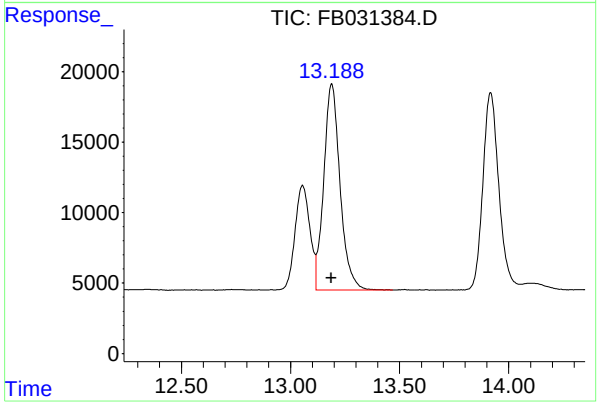
#6 Toluene

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



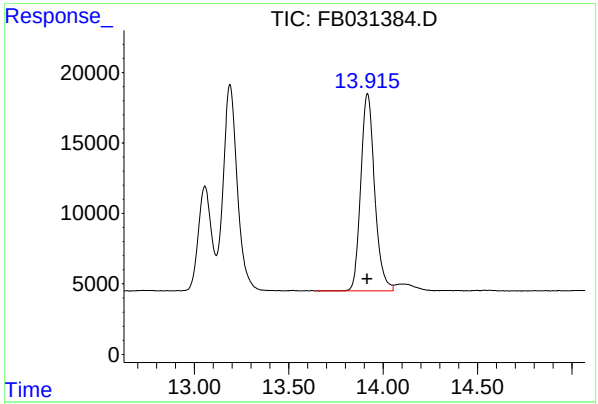
#7 Ethylbenzene

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



#8 m-Xylene

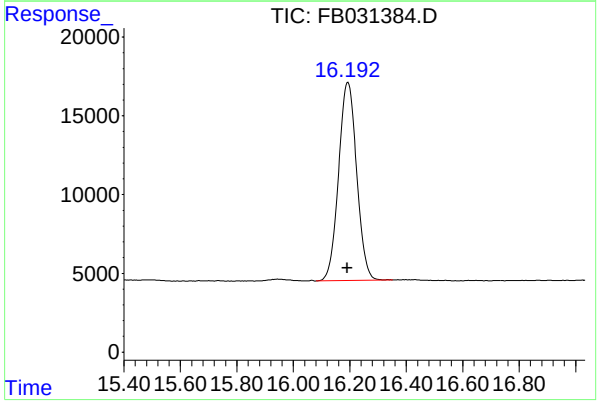
R.T.: 13.189 min
Delta R.T.: 0.000 min
Response: 759595
Conc: 20.32 ng/ml



#9 O-Xylene

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

Instrument :
FID_B
ClientSampleId :
BSF0130S1



#10 1,2,4-Trimethylbenzene

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

rteres

Area Percent Report

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

Integration File: Calibration.e

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

Signal : FID2B.CH

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

Sum of corrected areas: 6878348

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

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

Report of Analysis

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

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

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

Comments:

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

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

Quantitation Report (QT Reviewed)

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

Instrument :
FID_B
ClientSampleId :
JPP-26.2-012825MS

Manual Integrations APPROVED

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

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

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

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

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

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

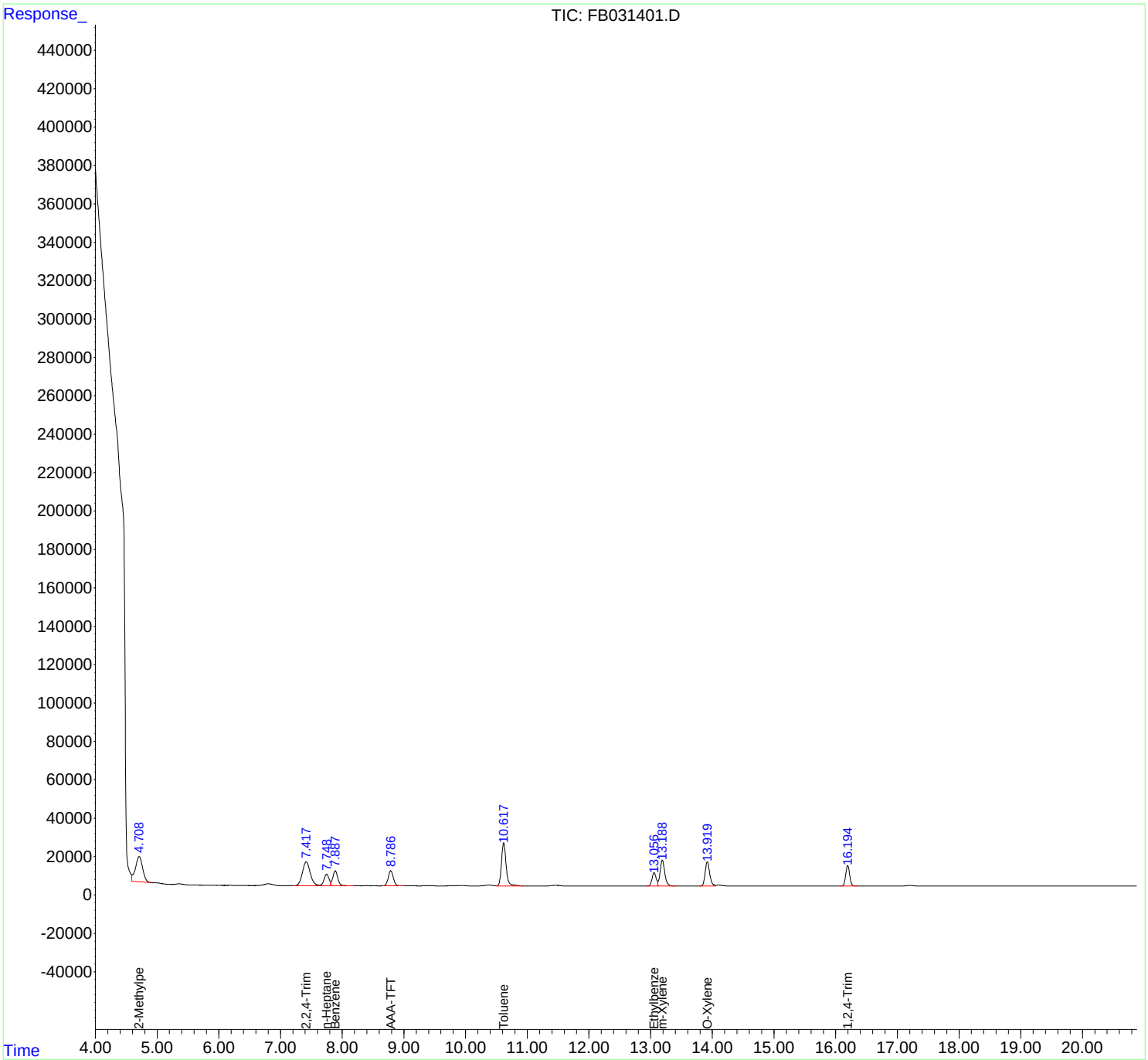
Integration File: Calibration.e
Quant Time: Jan 31 00:56:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

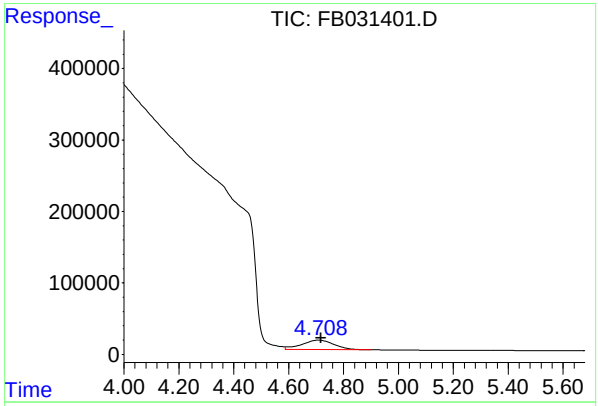
Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um

Instrument :
FID_B
ClientSampleId :
JPP-26.2-012825MS

Manual Integrations APPROVED

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





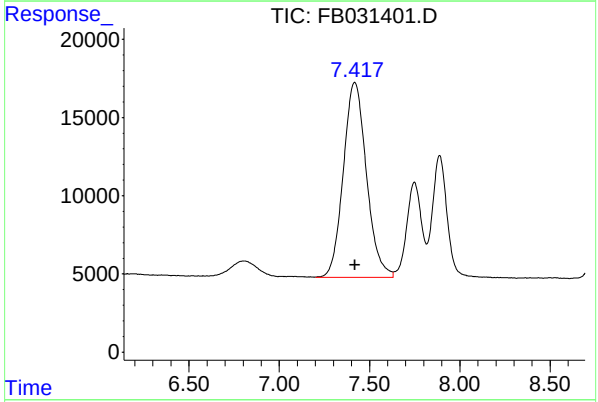
#1 2-Methylpentane

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

Instrument :
FID_B
ClientSampleId :
JPP-26.2-012825MS

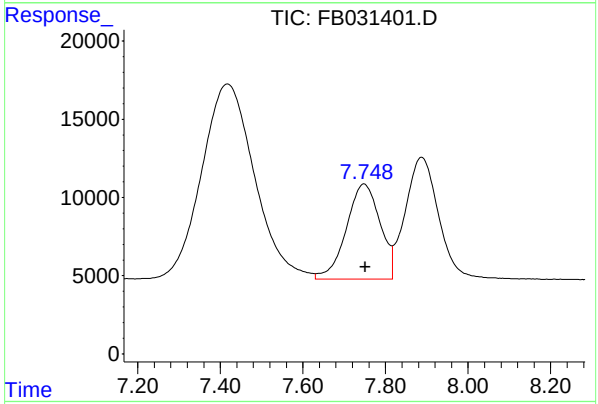
Manual Integrations APPROVED

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



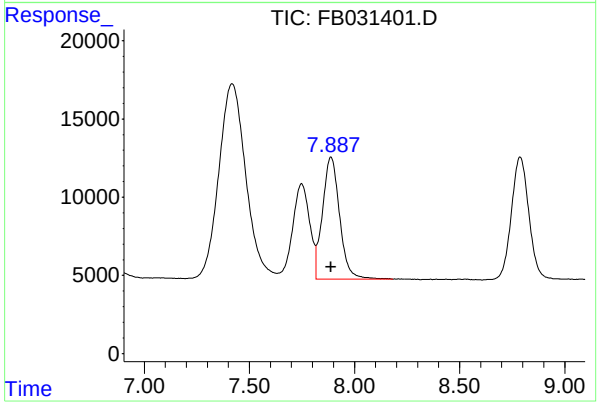
#2 2,2,4-Trimethylpentane

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



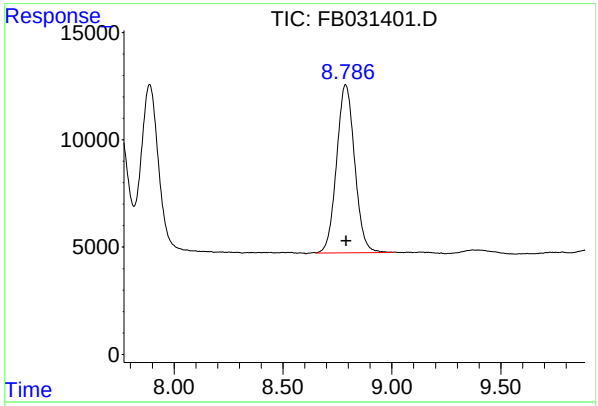
#3 n-Heptane

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



#4 Benzene

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



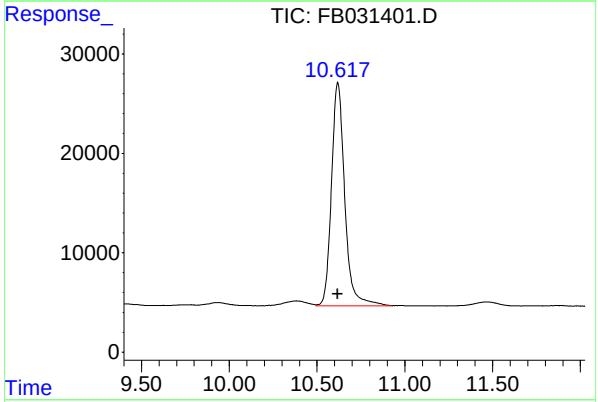
#5 AAA-TFT

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

Instrument :
FID_B
ClientSampleId :
JPP-26.2-012825MS

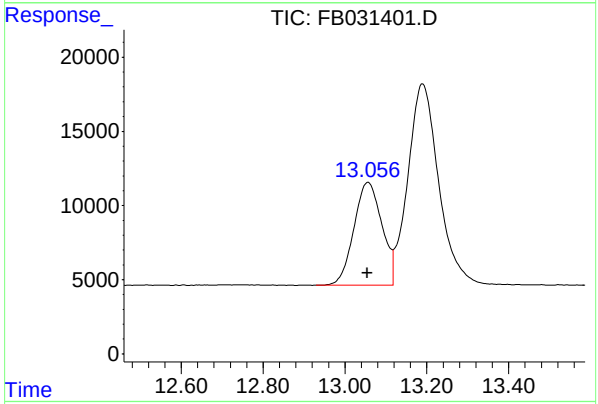
Manual Integrations
APPROVED

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



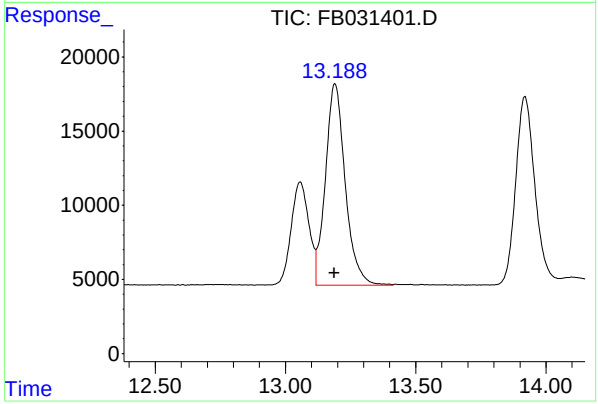
#6 Toluene

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



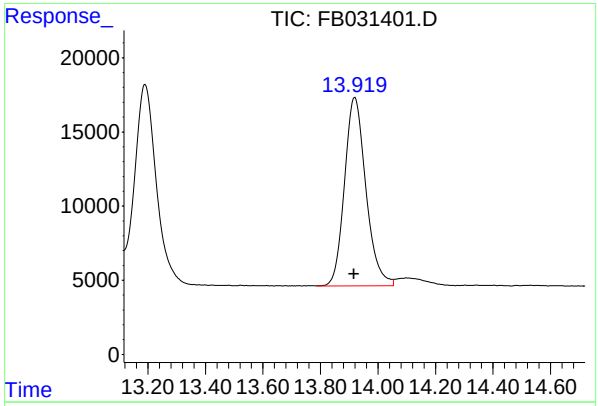
#7 Ethylbenzene

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



#8 m-Xylene

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



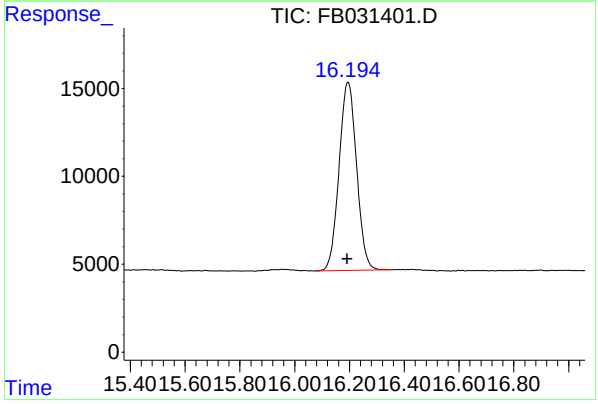
#9 O-Xylene

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

Instrument :
FID_B
ClientSampleId :
JPP-26.2-012825MS

Manual Integrations
APPROVED

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



#10 1,2,4-Trimethylbenzene

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

Instrument :
FID_B
ClientSampleId :
JPP-26.2-012825MS

rteres

Area Percent Report

Manual IntegrationsAPPROVED

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

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

Integration File: SAMPLE.e

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

Signal : FID2B.CH

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

Instrument :
FID_B
ClientSampleId :
JPP-26.2-012825MS

Manual IntegrationsAPPROVED

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

rteres

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

Instrument :
FID_B
ClientSampleId :
JPP-26.2-012825MS

Manual IntegrationsAPPROVED

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

rteres

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

Sum of corrected areas: 6675371

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

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

Report of Analysis

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

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

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	7920		447	2610	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	16.1		50 - 150	81%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

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

Instrument :
FID_B
ClientSampleId :
JPP-26.2-012825MSD

Manual Integrations APPROVED

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

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

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

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

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

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

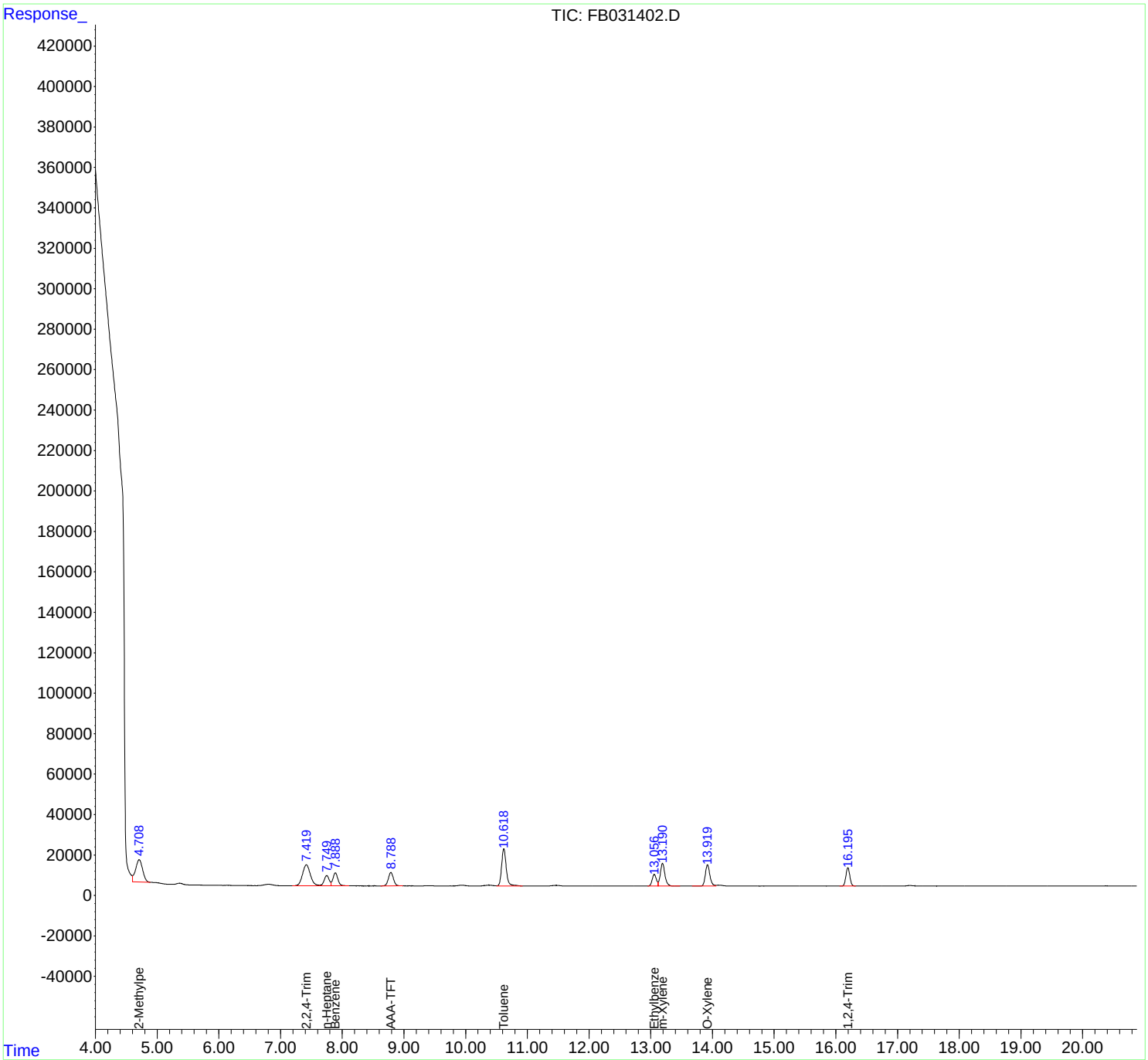
Integration File: Calibration.e
Quant Time: Jan 31 00:56:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

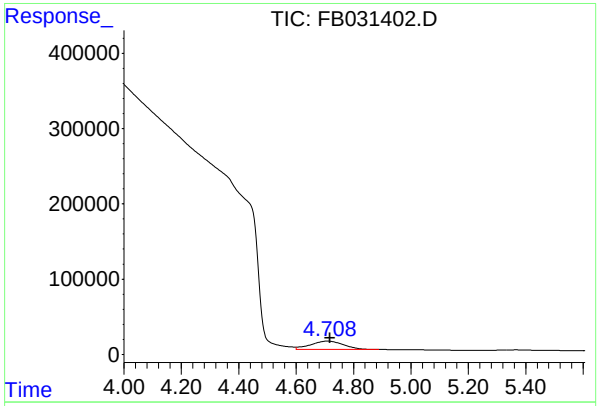
Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um

Instrument :
FID_B
ClientSampleId :
JPP-26.2-012825MSD

Manual Integrations APPROVED

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





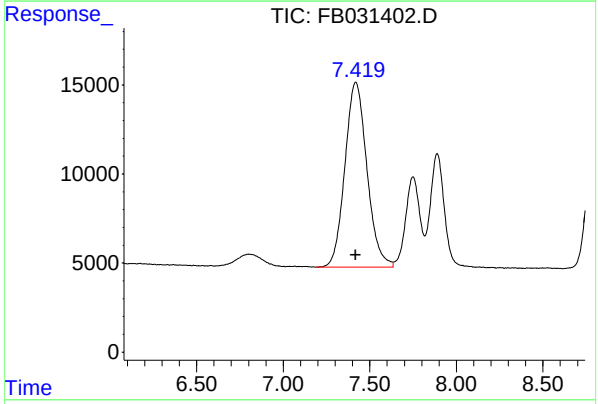
#1 2-Methylpentane

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

Instrument :
FID_B
ClientSampleId :
JPP-26.2-012825MSD

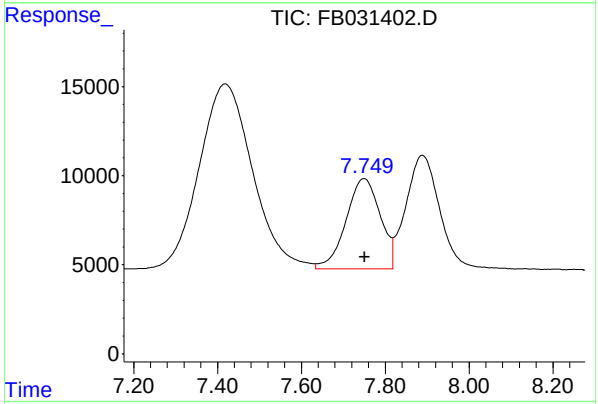
Manual Integrations APPROVED

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



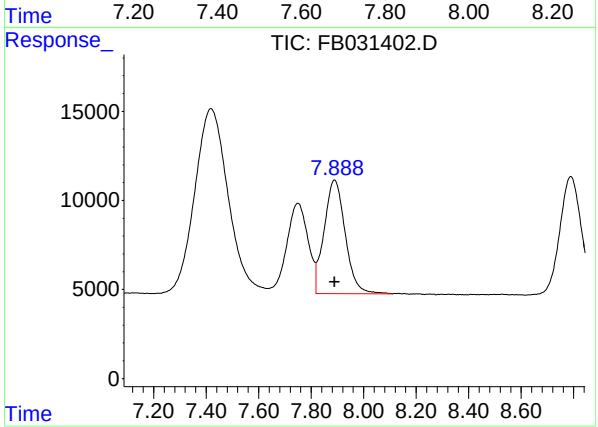
#2 2,2,4-Trimethylpentane

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



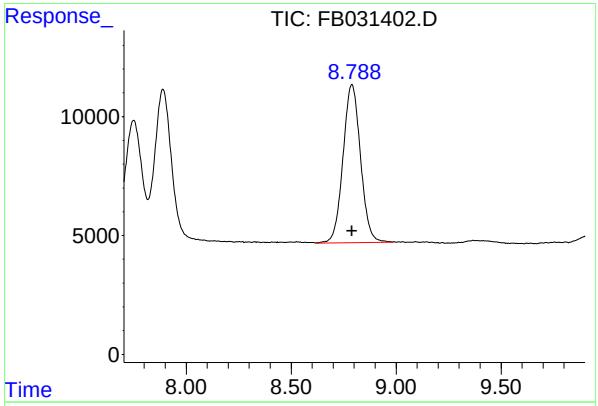
#3 n-Heptane

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



#4 Benzene

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



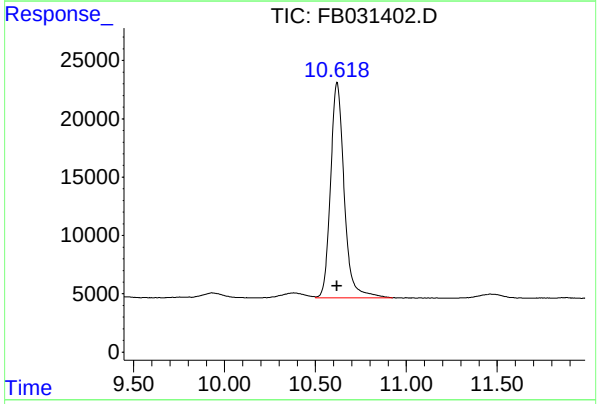
#5 AAA-TFT

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

Instrument :
FID_B
ClientSampleId :
JPP-26.2-012825MSD

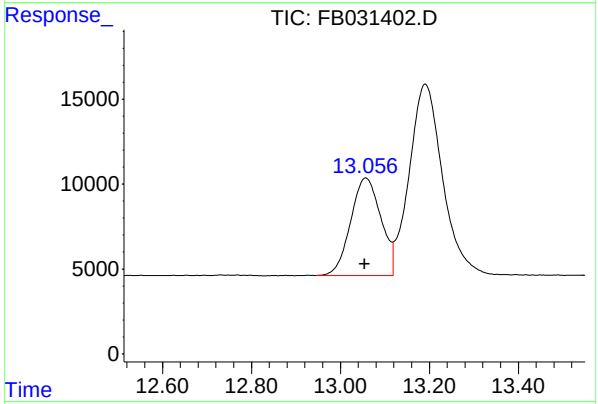
Manual Integrations APPROVED

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



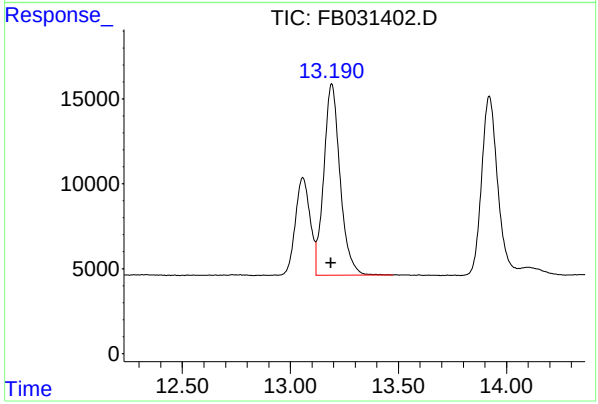
#6 Toluene

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



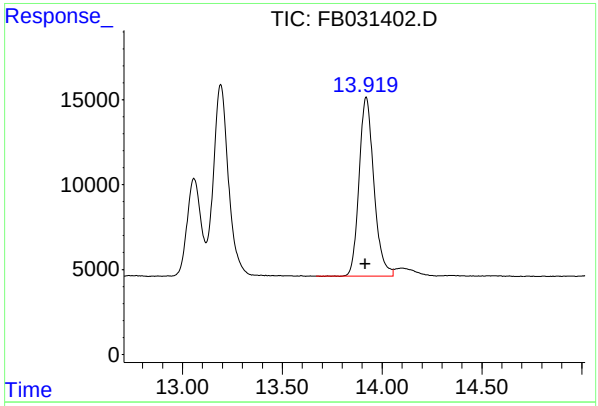
#7 Ethylbenzene

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



#8 m-Xylene

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



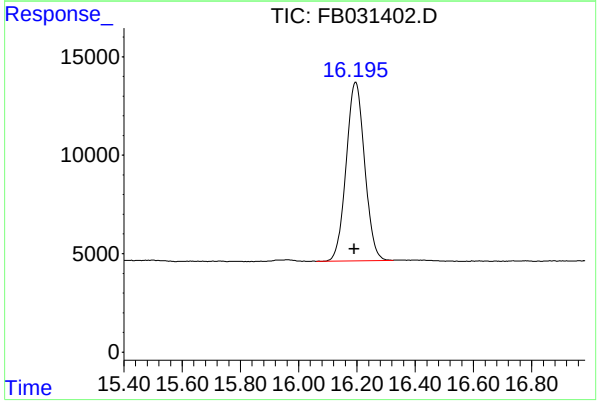
#9 O-Xylene

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

Instrument :
FID_B
ClientSampleId :
JPP-26.2-012825MSD

Manual Integrations
APPROVED

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



#10 1,2,4-Trimethylbenzene

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

Instrument :
FID_B
ClientSampleId :
JPP-26.2-012825MSD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

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

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

Integration File: SAMPLE.e

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

Signal : FID2B.CH

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

Instrument :
FID_B
ClientSampleId :
JPP-26.2-012825MSD

Manual IntegrationsAPPROVED

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

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

Instrument :
FID_B
ClientSampleId :
JPP-26.2-012825MSD

Manual IntegrationsAPPROVED

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

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

FB011525.M Fri Jan 31 01:27:26 2025

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

Manual Integration Report

Sample ID	ClientId ID	File ID	Sequence ID	Parameter	Supervised By	Supervised On	Reason
Q1216-17MS		FB031401.D	FB013025	2-Methylpentane	Ankita	1/31/2025 11:09:14 AM	Peak Integrated by Software incorrectly
Q1216-17MSD		FB031402.D	FB013025	2-Methylpentane	Ankita	1/31/2025 11:09:15 AM	Peak Integrated by Software incorrectly

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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 # FB013025

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

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

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

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Fax : 908 789 8922

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QCBatch ID # FB013025

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

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

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

M : Manual Integration

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

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QCBatch ID # FB011525

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

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

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

M : Manual Integration

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Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QCBatch ID # FB013025

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

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

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

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Fax : 908 789 8922

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QCBatch ID # FB013025

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

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

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

M : Manual Integration

PERCENT SOLID

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

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

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

QC: LB134481

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

PERCENT SOLID

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

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

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

QC: LB134481

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

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

WORKLIST(Hardcopy Internal Chain)

(B 13448)

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

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

Date/Time 01/30/25 1520

Raw Sample Received by: SB WLC

Raw Sample Relinquished by: CJSM

Date/Time 01/30/25 1711

Raw Sample Received by: CF SB

Raw Sample Relinquished by: SB WLC

WORKLIST(Hardcopy Internal Chain)

JP 134481

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

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

Date/Time 01/30/25 1512.0

Raw Sample Received by: JB WdC

Raw Sample Relinquished by: CF SM

Date/Time 01/30/25 1710

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 : Q1216

Test : Gasoline Range Organics

Prepbatch ID :

Sequence ID/Qc Batch ID: FB013025,

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

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

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

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	PP24157	01/30/2025	07/13/2025	Yogesh Patel	None	None	Ankita Jodhani 01/31/2025

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

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

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

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

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

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	PP24160	01/30/2025	07/13/2025	Yogesh Patel	None	None	Ankita Jodhani 01/31/2025

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

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

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

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

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

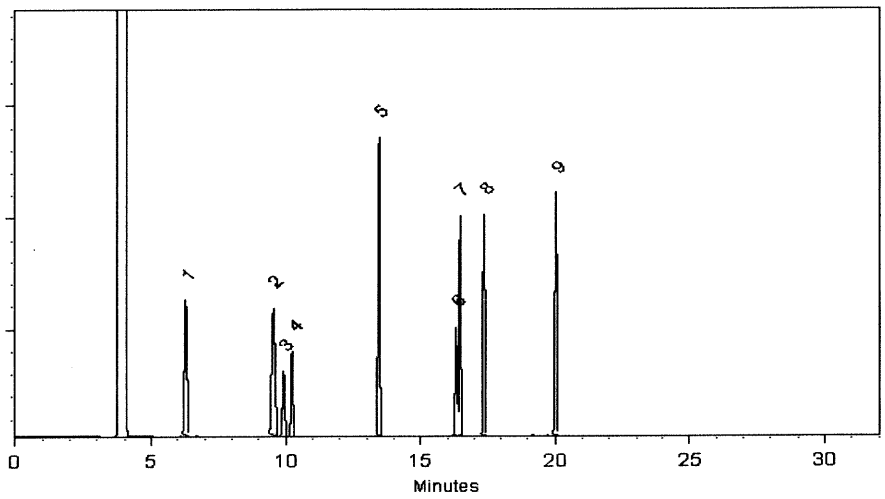
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



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

Miranda Kline - Operations Technician I

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

Fang-Yun Lo - QC Analyst

Date Passed: 23-Dec-2019

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

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. Q1216
QUOTE NO.
COC Number 2041068

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: RU2 Engineering LLC
ADDRESS: 2 Melinda Drive, Monroe Twp, NJ 08831
CITY STATE: 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 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☒ NYS ASP B
☐ Other
☐ EDD FORMAT

ANALYSIS

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

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	JPP-18.1-012825	Soil		G	1/28/25	8:35	3	X	X	X							
2.	JPP-18.1-012825	Soil	C		1/28/25	8:41	7			X	X	X	X	X	X	X	
3.	JPP-21.1-012825	Soil		G	1/28/25	9:25	3	X	X	X							
4.	JPP-21.1-012825	Soil	C		1/28/25	9:30	7			X	X	X	X	X	X	X	
5.	JPP-21.2-012825	Soil		G	1/28/25	10:44	3	X	X	X							
6.	JPP-21.2-012825	Soil	C		1/28/25	10:50	7			X	X	X	X	X	X	X	
7.	JPP-26.1-012825	Soil		G	1/28/25	11:28	3	X	X	X							
8.	JPP-26.1-012825	Soil	C		1/28/25	11:35	7			X	X	X	X	X	X	X	
9.	JPP-26.2-012825	Soil		G	1/28/25	13:20	3	X	X	X							
10.	JPP-26.2-012825	Soil	C		1/28/25	13:32	7			X	X	X	X	X	X	X	

PRESERVATIVES: A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICE F-OTHER

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. AA	1/29/2025	1. 1045 1-29-25
2.		2.
3.	1614 1.29.25	3.

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

Page 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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1216 RUTW01
Client Name : RU2 Engineering, LLC
Client Contact : Rutu Manani
Invoice Name : RU2 Engineering, LLC
Invoice Contact : Rutu Manani

Order Date : 1/29/2025 11:54:00 AM
Project Name : SANDTWOBR BMCR Bro
Receive DateTime : 1/29/2025 4:14:00 PM
Purchase Order :

YG
02/03/25
NYCDDC SANTWOBR Brooklyn Bridge BBMCR

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

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1216-01	JPP-18.1-012825	Solid	01/28/2025	08:35					
					VOCMS Group1		8260D		10 Bus. Days
Q1216-05	JPP-21.1-012825	Solid	01/28/2025	09:25					
					VOCMS Group1		8260D		10 Bus. Days
Q1216-09	JPP-21.2-012825	Solid	01/28/2025	10:44					
					VOCMS Group1		8260D		10 Bus. Days
Q1216-13	JPP-26.1-012825	Solid	01/28/2025	11:28					
					VOCMS Group1		8260D		10 Bus. Days
Q1216-17	JPP-26.2-012825	Solid	01/28/2025	13:20					
					VOCMS Group1		8260D		10 Bus. Days

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

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

Storage Area : VOA Refridgerator Room

Samples in Sm Frig @1700.