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

DATA PACKAGE

GC SEMI-VOLATILES

PROJECT NAME : NYCDDC SANTWOBR BROOKLYN BRIDGE BBMCR

RU2 ENGINEERING, LLC

2 Melinda Drive

Monroe Township, NJ - 08831

Phone No: 732-261-2236

ORDER ID : Q1206

ATTENTION : Rutu Manani

Laboratory Certification ID # 20012

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Cover Page

Order ID : Q1206

Project ID : NYCDDC SANTWOBR Brooklyn Bridge BBMCR

Client : RU2 Engineering, LLC

Lab Sample Number	Client Sample Number
Q1206-01	JPP-20.1-012725
Q1206-02	JPP-20.1-012725
Q1206-03	JPP-20.1-012725
Q1206-04	JPP-20.1-012725
Q1206-05	JPP-16.3-012725
Q1206-06	JPP-16.3-012725
Q1206-07	JPP-16.3-012725
Q1206-08	JPP-16.3-012725

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: 2/3/2025

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 # Q1206
Test Name: Gasoline Range Organics

A. Number of Samples and Date of Receipt:
8 Solid samples were received on 01/28/2025.

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

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

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

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

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

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

Signature_____

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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: Q1206 MATRIX: Solid

METHOD: 8015D/3541

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

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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

NA NO YES

ADDITIONAL COMMENTS:

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

_____ _____

QA REVIEW Date

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1206

	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:** 02/03/2025

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LAB CHRONICLE

OrderID:	Q1206	**OrderDate:**	1/28/2025 11:18:51 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
Q1206-01	**JPP-20.1-012725**	**SOIL**			**01/27/25**			**01/28/25**
			Diesel Range Organics	8015D		01/29/25	01/30/25	
			Gasoline Range Organics	8015D			01/29/25	
Q1206-05	**JPP-16.3-012725**	**SOIL**			**01/27/25**			**01/28/25**
			Diesel Range Organics	8015D		01/29/25	01/30/25	
			Gasoline Range Organics	8015D			01/29/25	

QC SUMMARY

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SOIL GASOLINE RANGE ORGANICS SURROGATE RECOVERY

Lab Name: Chemtech Client: RU2 Engineering, LLC

Lab Code: CHEM Case No.: Q1206 SAS No.: Q1206 SDG No.: Q1206

EPA SAMPLE NO.	S1 AAA-TFT	S2	S3	S4	TOT OUT
VBF0129S1	86				0
BSF0129S1	94				0
BSF0129S2	88				0
JPP-20.1-012725	83				0
JPP-16.3-012725	64				0

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

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

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

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

Lab Code: CHEM **Cas No:** Q1206 **SAS No :** Q1206 **SDG No:** Q1206

Matrix Spike - EPA Sample No : BSF0129S1 **Datafile:** FB031359.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS
GRO	180	0	205	114	50-150

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

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

Lab Code: CHEM **Cas No:** Q1206 **SAS No :** Q1206 **SDG No:** Q1206

Matrix Spike - EPA Sample No : BSF0129S2 **Datafile:** FB031367.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS
GRO	180	0	183	102	50-150

LCS/LCSD % Recovery RPD : 10.14

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METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBF0129S1

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1206 SAS No.: Q1206 SDG NO.: Q1206

Lab File ID: FB031357.D Lab Sample ID: VBF0129S1

Date Analyzed: 01/29/25 Time Analyzed: 9:17

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
BSF0129S1	BSF0129S1	FB031359.D	01/29/25
BSF0129S2	BSF0129S2	FB031367.D	01/29/25
JPP-20.1-012725	Q1206-01	FB031369.D	01/29/25
JPP-16.3-012725	Q1206-05	FB031370.D	01/29/25

COMMENTS:

SAMPLE DATA

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Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/27/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/28/25
Client Sample ID:	JPP-20.1-012725	SDG No.:	Q1206
Lab Sample ID:	Q1206-01	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	85.5 Decanted:
Sample Wt/Vol:	4.99 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
FB031369.D	1	01/29/25 15:01	FB012925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	53.0	U	9.00	53.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	16.5		50 - 150	83%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB012925\
Data File : FB031369.D
Signal(s) : FID2B.CH
Acq On : 29 Jan 2025 15:01
Operator : YP/AJ
Sample : Q1206-01
Misc : 4.99G/5.00 ML DI WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
JPP-20.1-012725

Integration File: Calibration.e
Quant Time: Jan 30 00:55:42 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	8.795	393933	16.515 ng/ml
Target Compounds				

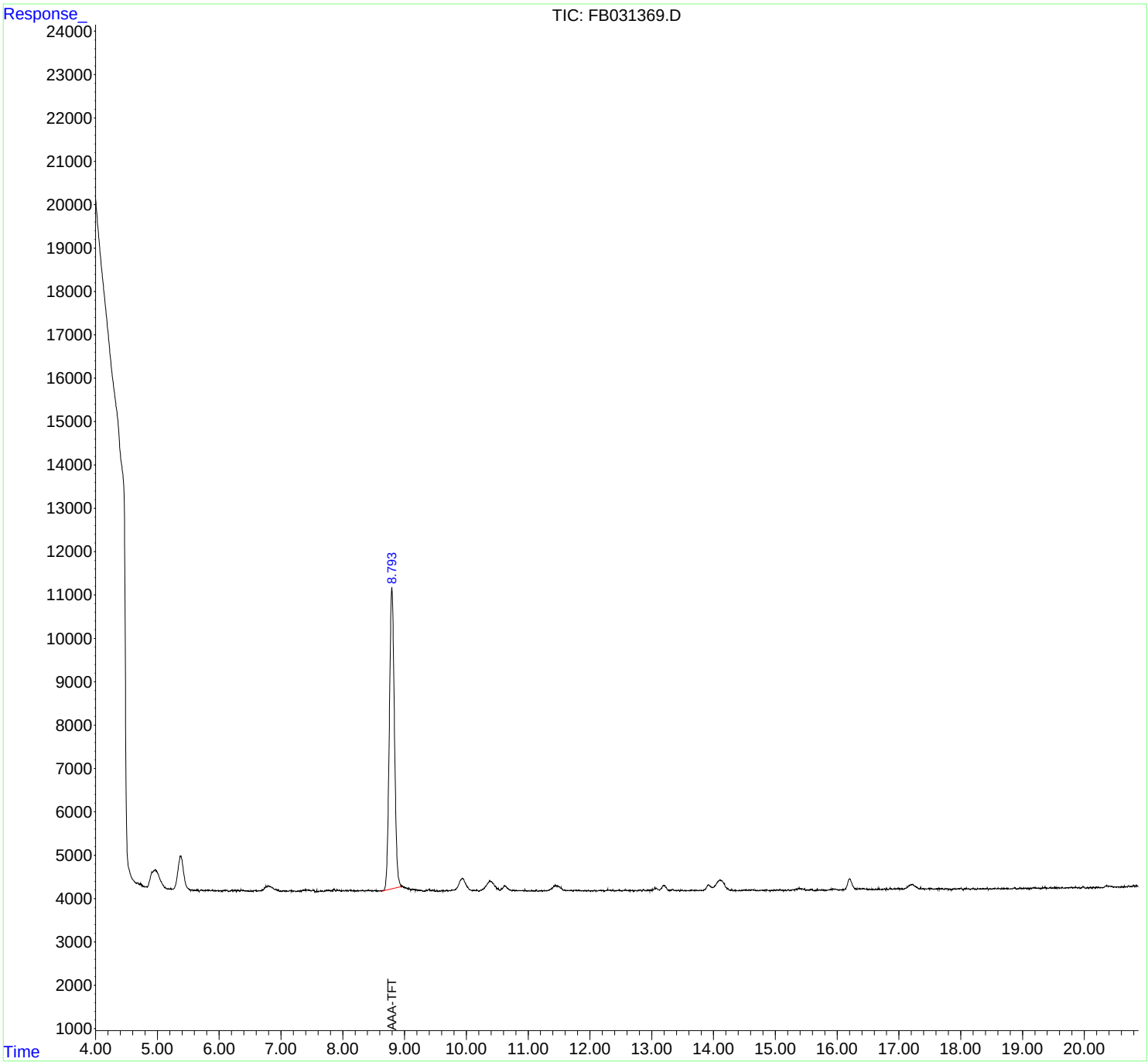
(f)=RT Delta > 1/2 Window (m)=manual int.

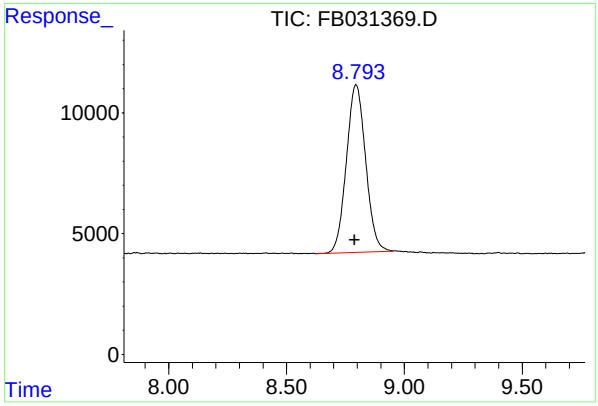
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB012925\
Data File : FB031369.D
Signal(s) : FID2B.CH
Acq On : 29 Jan 2025 15:01
Operator : YP/AJ
Sample : Q1206-01
Misc : 4.99G/5.00 ML DI WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
JPP-20.1-012725

Integration File: Calibration.e
Quant Time: Jan 30 00:55:42 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.: 8.795 min
Delta R.T.: 0.005 mi
Response: 393933
Conc: 16.52 ng/m

Instrument :
FID_B
ClientSampleId :
JPP-20.1-012725

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB012925\
Data File : FB031369.D
Signal(s) : FID2B.CH
Acq On : 29 Jan 2025 15:01
Sample : Q1206-01
Misc : 4.99G/5.00 ML DI WATER
ALS Vial : 14 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	4.684	4.637	4.721	BV	23	182	0.04%	0.028%
2	4.727	4.721	4.800	VV	29	273	0.07%	0.042%
3	4.820	4.800	4.837	PV	11	132	0.03%	0.020%
4	5.174	5.157	5.192	VV	17	211	0.05%	0.032%
5	5.201	5.192	5.205	VV	19	112	0.03%	0.017%
6	5.217	5.205	5.228	VV	33	257	0.06%	0.039%
7	5.241	5.228	5.253	PV	17	199	0.05%	0.030%
8	5.526	5.517	5.539	VV	37	377	0.09%	0.058%
9	5.563	5.539	5.575	VV	36	504	0.12%	0.077%
10	5.598	5.575	5.622	VV	28	550	0.14%	0.084%
11	5.646	5.622	5.675	VV	48	836	0.21%	0.128%
12	5.712	5.675	5.725	PV	43	726	0.18%	0.111%
13	5.736	5.725	5.754	VV	34	414	0.10%	0.063%
14	5.774	5.754	5.782	VV	40	427	0.10%	0.065%
15	5.787	5.782	5.798	VV	31	223	0.05%	0.034%
16	5.809	5.798	5.817	VV	42	317	0.08%	0.049%
17	5.825	5.817	5.835	VV	40	288	0.07%	0.044%
18	5.845	5.835	5.868	VV	32	475	0.12%	0.073%
19	5.896	5.868	5.913	VV	41	652	0.16%	0.100%
20	5.923	5.913	5.931	VV	21	183	0.04%	0.028%
21	5.939	5.931	5.961	VV	27	335	0.08%	0.051%
22	5.978	5.961	5.991	VV	23	330	0.08%	0.051%
23	6.023	5.991	6.037	VV	26	458	0.11%	0.070%
24	6.047	6.037	6.072	VV	25	393	0.10%	0.060%
25	6.083	6.072	6.112	VV	35	550	0.14%	0.084%
26	6.123	6.112	6.149	VV	38	585	0.14%	0.090%
27	6.264	6.149	6.281	VV	42	1730	0.43%	0.265%
28	6.298	6.281	6.307	VV	37	382	0.09%	0.059%
29	6.317	6.307	6.330	VV	27	314	0.08%	0.048%
30	6.354	6.330	6.374	VV	47	691	0.17%	0.106%
31	6.385	6.374	6.405	VV	34	454	0.11%	0.070%
32	6.412	6.405	6.439	VV	29	431	0.11%	0.066%
33	6.446	6.439	6.458	VV	21	184	0.05%	0.028%
34	6.469	6.458	6.504	VV	22	389	0.10%	0.060%
35	6.513	6.504	6.526	VV	18	156	0.04%	0.024%
36	6.536	6.526	6.552	VV	16	189	0.05%	0.029%

rteres

37	6.582	6.552	6.590	VV	35	532	0.13%	0.081%
38	6.599	6.590	6.616	VV	37	318	0.08%	0.049%
39	6.632	6.616	6.651	VV	28	395	0.10%	0.061%
40	6.666	6.651	6.679	VV	29	365	0.09%	0.056%
41	6.689	6.679	6.696	VV	37	282	0.07%	0.043%
42	6.767	6.696	6.775	VV	123	3637	0.89%	0.557%
43	6.922	6.913	6.936	VV	63	638	0.16%	0.098%
44	6.946	6.936	6.954	VV	48	398	0.10%	0.061%
45	6.963	6.954	6.976	VV	43	363	0.09%	0.056%
46	7.024	6.976	7.030	VV	22	443	0.11%	0.068%
47	7.046	7.030	7.057	VV	32	351	0.09%	0.054%
48	7.075	7.057	7.103	VV	29	510	0.13%	0.078%
49	7.114	7.103	7.123	VV	19	183	0.05%	0.028%
50	7.151	7.123	7.191	VV	29	864	0.21%	0.132%
51	7.212	7.191	7.248	VV	22	486	0.12%	0.075%
52	7.293	7.248	7.312	VV	26	584	0.14%	0.089%
53	7.362	7.312	7.389	VV	46	1335	0.33%	0.205%
54	7.398	7.389	7.407	VV	62	463	0.11%	0.071%
55	7.415	7.407	7.433	VV	46	621	0.15%	0.095%
56	7.439	7.433	7.449	VV	45	381	0.09%	0.058%
57	7.458	7.449	7.489	VV	41	763	0.19%	0.117%
58	7.505	7.489	7.517	VV	39	511	0.13%	0.078%
59	7.527	7.517	7.567	VV	46	737	0.18%	0.113%
60	7.580	7.567	7.589	VV	40	211	0.05%	0.032%
61	7.632	7.589	7.640	PV	22	347	0.09%	0.053%
62	7.648	7.640	7.662	VV	23	204	0.05%	0.031%
63	7.672	7.662	7.695	VV	23	294	0.07%	0.045%
64	7.711	7.695	7.720	VV	33	269	0.07%	0.041%
65	7.742	7.720	7.775	VV	44	1089	0.27%	0.167%
66	7.786	7.775	7.824	VV	44	815	0.20%	0.125%
67	7.830	7.824	7.837	VV	44	231	0.06%	0.035%
68	7.866	7.837	7.886	VV	63	1205	0.30%	0.185%
69	7.906	7.886	7.928	VV	53	859	0.21%	0.132%
70	7.949	7.928	7.976	VV	40	808	0.20%	0.124%
71	8.010	7.976	8.027	VV	40	762	0.19%	0.117%
72	8.041	8.027	8.056	VV	36	459	0.11%	0.070%
73	8.070	8.056	8.088	VV	34	505	0.12%	0.077%
74	8.114	8.088	8.146	VV	40	1054	0.26%	0.162%
75	8.158	8.146	8.169	VV	29	315	0.08%	0.048%
76	8.183	8.169	8.228	VV	39	893	0.22%	0.137%
77	8.237	8.228	8.254	VV	33	413	0.10%	0.063%
78	8.266	8.254	8.277	VV	29	329	0.08%	0.050%
79	8.302	8.277	8.341	VV	37	993	0.24%	0.152%
80	8.352	8.341	8.393	VV	28	758	0.19%	0.116%
81	8.415	8.393	8.434	VV	43	766	0.19%	0.117%
82	8.450	8.434	8.465	VV	35	475	0.12%	0.073%
83	8.482	8.465	8.503	VV	35	573	0.14%	0.088%
84	8.525	8.503	8.552	VV	39	741	0.18%	0.114%
85	8.577	8.552	8.597	VV	27	532	0.13%	0.082%
86	8.614	8.597	8.626	VV	32	393	0.10%	0.060%
87	8.795	8.626	8.953	VV	7010	406810	100.00%	62.358%
88	8.959	8.953	8.996	VV	132	3058	0.75%	0.469%
89	9.003	8.996	9.018	VV	106	1315	0.32%	0.202%

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90	9.026	9.018	9.060	VV	91	1870	0.46%	0.287%
91	9.067	9.060	9.113	VV	92	1975	0.49%	0.303%
92	9.124	9.113	9.132	VV	61	600	0.15%	0.092%
93	9.143	9.132	9.153	VV	56	649	0.16%	0.099%
94	9.161	9.153	9.177	VV	54	696	0.17%	0.107%
95	9.195	9.177	9.249	VV	51	1620	0.40%	0.248%
96	9.276	9.249	9.298	VV	36	758	0.19%	0.116%
97	9.308	9.298	9.319	VV	16	165	0.04%	0.025%
98	9.329	9.319	9.338	VV	25	181	0.04%	0.028%
99	9.356	9.338	9.374	VV	35	575	0.14%	0.088%
100	9.401	9.374	9.413	VV	62	1001	0.25%	0.153%
101	9.424	9.413	9.435	VV	36	390	0.10%	0.060%
102	9.456	9.435	9.471	VV	40	649	0.16%	0.100%
103	9.482	9.471	9.495	VV	46	397	0.10%	0.061%
104	9.524	9.495	9.538	VV	26	394	0.10%	0.060%
105	9.559	9.538	9.582	VV	19	351	0.09%	0.054%
106	9.600	9.582	9.609	VV	32	350	0.09%	0.054%
107	9.623	9.609	9.631	VV	33	328	0.08%	0.050%
108	9.638	9.631	9.649	VV	27	219	0.05%	0.034%
109	9.692	9.649	9.703	VV	39	733	0.18%	0.112%
110	9.712	9.703	9.719	VV	27	203	0.05%	0.031%
111	9.733	9.719	9.743	VV	27	349	0.09%	0.053%
112	9.764	9.743	9.787	VV	42	856	0.21%	0.131%
113	9.937	9.787	10.098	VV	308	26126	6.42%	4.005%
114	10.113	10.098	10.121	VV	36	412	0.10%	0.063%
115	10.132	10.121	10.151	VV	33	486	0.12%	0.075%
116	10.171	10.151	10.201	VV	39	744	0.18%	0.114%
117	10.379	10.201	10.549	VV	258	24612	6.05%	3.773%
118	10.617	10.549	10.738	VV	137	8348	2.05%	1.280%
119	10.774	10.738	10.790	VV	33	811	0.20%	0.124%
120	10.801	10.790	10.814	VV	30	357	0.09%	0.055%
121	10.822	10.814	10.829	VV	23	182	0.04%	0.028%
122	10.839	10.829	10.859	VV	27	415	0.10%	0.064%
123	10.909	10.859	10.941	VV	29	993	0.24%	0.152%
124	10.950	10.941	10.973	VV	44	418	0.10%	0.064%
125	10.989	10.973	10.999	VV	22	215	0.05%	0.033%
126	11.012	10.999	11.036	VV	23	312	0.08%	0.048%
127	11.052	11.036	11.094	VV	27	567	0.14%	0.087%
128	11.104	11.094	11.112	VV	22	165	0.04%	0.025%
129	11.137	11.112	11.162	VV	39	570	0.14%	0.087%
130	11.185	11.162	11.203	VV	23	366	0.09%	0.056%
131	11.214	11.203	11.229	VV	28	323	0.08%	0.049%
132	11.446	11.229	11.455	VV	149	7469	1.84%	1.145%
133	11.466	11.455	11.527	VV	140	4939	1.21%	0.757%
134	11.535	11.527	11.579	VV	82	1645	0.40%	0.252%
135	11.598	11.579	11.611	VV	41	548	0.13%	0.084%
136	11.632	11.611	11.644	VV	31	457	0.11%	0.070%
137	11.658	11.644	11.669	VV	31	377	0.09%	0.058%
138	11.685	11.669	11.724	VV	31	758	0.19%	0.116%
139	11.730	11.724	11.740	VV	27	212	0.05%	0.033%
140	11.753	11.740	11.785	VV	32	688	0.17%	0.105%
141	11.796	11.785	11.804	VV	28	252	0.06%	0.039%

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142	11.812	11.804	11.854	VV	30	626	0.15%	0.096%
143	11.863	11.854	11.881	VV	23	287	0.07%	0.044%
144	11.890	11.881	11.900	VV	20	165	0.04%	0.025%
145	11.923	11.900	11.939	VV	30	407	0.10%	0.062%
146	11.955	11.939	11.968	VV	22	236	0.06%	0.036%
147	11.979	11.968	12.007	VV	30	370	0.09%	0.057%
148	12.027	12.007	12.045	VV	24	340	0.08%	0.052%
149	12.077	12.045	12.091	VV	32	520	0.13%	0.080%
150	12.099	12.091	12.113	VV	25	204	0.05%	0.031%
151	12.151	12.113	12.169	VV	27	599	0.15%	0.092%
152	12.179	12.169	12.242	VV	32	789	0.19%	0.121%
153	12.289	12.242	12.305	VV	47	932	0.23%	0.143%
154	12.316	12.305	12.352	VV	32	729	0.18%	0.112%
155	12.369	12.352	12.403	VV	37	629	0.15%	0.096%
156	12.411	12.403	12.425	VV	19	191	0.05%	0.029%
157	12.435	12.425	12.444	VV	18	187	0.05%	0.029%
158	12.474	12.444	12.509	VV	43	853	0.21%	0.131%
159	12.516	12.509	12.524	VV	19	128	0.03%	0.020%
160	12.539	12.524	12.551	VV	28	315	0.08%	0.048%
161	12.568	12.551	12.587	VV	39	553	0.14%	0.085%
162	12.597	12.587	12.648	VV	32	683	0.17%	0.105%
163	12.656	12.648	12.666	VV	28	200	0.05%	0.031%
164	12.683	12.666	12.704	VV	25	416	0.10%	0.064%
165	12.740	12.704	12.754	VV	25	494	0.12%	0.076%
166	12.763	12.754	12.767	VV	20	130	0.03%	0.020%
167	12.798	12.767	12.808	VV	33	593	0.15%	0.091%
168	12.820	12.808	12.837	VV	40	450	0.11%	0.069%
169	12.864	12.837	12.894	VV	46	880	0.22%	0.135%
170	12.902	12.894	12.918	VV	25	261	0.06%	0.040%
171	12.932	12.918	12.943	VV	33	308	0.08%	0.047%
172	12.958	12.943	12.966	VV	35	361	0.09%	0.055%
173	12.983	12.966	13.003	VV	37	540	0.13%	0.083%
174	13.012	13.003	13.029	VV	54	561	0.14%	0.086%
175	13.052	13.029	13.064	VV	100	1337	0.33%	0.205%
176	13.077	13.064	13.124	VV	77	1844	0.45%	0.283%
177	13.193	13.124	13.267	VV	137	7240	1.78%	1.110%
178	13.274	13.267	13.282	VV	27	233	0.06%	0.036%
179	13.310	13.282	13.320	VV	35	638	0.16%	0.098%
180	13.336	13.320	13.379	VV	50	1070	0.26%	0.164%
181	13.389	13.379	13.402	VV	28	258	0.06%	0.040%
182	13.408	13.402	13.414	VV	25	126	0.03%	0.019%
183	13.430	13.414	13.454	VV	27	492	0.12%	0.075%
184	13.489	13.454	13.512	PV	32	628	0.15%	0.096%
185	13.527	13.512	13.553	VV	23	343	0.08%	0.053%
186	13.572	13.553	13.586	VV	17	211	0.05%	0.032%
187	13.629	13.586	13.644	VV	21	423	0.10%	0.065%
188	13.652	13.644	13.680	VV	24	264	0.06%	0.041%
189	13.688	13.680	13.761	VB	12	346	0.08%	0.053%
190	13.808	13.764	13.818	BV	11	178	0.04%	0.027%
191	13.913	13.818	13.984	PV	136	7307	1.80%	1.120%
192	14.108	13.984	14.274	VV	247	24448	6.01%	3.748%
193	14.282	14.274	14.290	VV	18	171	0.04%	0.026%
194	14.300	14.290	14.324	VV	31	338	0.08%	0.052%

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195	14.351	14.324	14.389	PV	19	400	0.10%	0.061%
196	14.399	14.389	14.407	VV	13	95	0.02%	0.015%
197	14.416	14.407	14.440	VV	18	205	0.05%	0.031%
198	14.496	14.440	14.514	VV	28	755	0.19%	0.116%
199	14.528	14.514	14.538	VV	29	289	0.07%	0.044%
200	14.549	14.538	14.559	VV	19	186	0.05%	0.028%
201	14.570	14.559	14.598	VV	36	430	0.11%	0.066%
202	14.622	14.598	14.646	VV	30	656	0.16%	0.101%
203	14.654	14.646	14.691	VV	32	425	0.10%	0.065%
204	14.708	14.691	14.724	VV	17	191	0.05%	0.029%
205	14.766	14.724	14.786	VV	21	504	0.12%	0.077%
206	14.794	14.786	14.811	VV	22	252	0.06%	0.039%
207	14.822	14.811	14.832	VV	26	234	0.06%	0.036%
208	14.847	14.832	14.889	VV	33	753	0.18%	0.115%
209	14.905	14.889	14.936	VV	17	268	0.07%	0.041%
210	14.950	14.936	14.964	VV	18	214	0.05%	0.033%
211	14.978	14.964	15.012	VV	32	517	0.13%	0.079%
212	15.022	15.012	15.051	VV	35	506	0.12%	0.078%
213	15.080	15.051	15.097	VV	40	663	0.16%	0.102%
214	15.124	15.097	15.139	VV	30	407	0.10%	0.062%
215	15.161	15.139	15.177	VV	35	356	0.09%	0.055%
216	15.206	15.177	15.228	PV	30	552	0.14%	0.085%
217	15.279	15.228	15.295	VV	36	831	0.20%	0.127%
218	15.326	15.295	15.339	VV	46	868	0.21%	0.133%
219	15.375	15.339	15.383	VV	64	1179	0.29%	0.181%
220	15.391	15.383	15.418	VV	62	1074	0.26%	0.165%
221	15.422	15.418	15.428	VV	50	290	0.07%	0.044%
222	15.437	15.428	15.462	VV	55	850	0.21%	0.130%
223	15.476	15.462	15.490	VV	45	532	0.13%	0.081%
224	15.507	15.490	15.531	VV	25	449	0.11%	0.069%
225	15.574	15.531	15.620	VV	39	1126	0.28%	0.173%
226	15.679	15.620	15.690	VV	53	556	0.14%	0.085%
227	15.711	15.690	15.723	VV	26	314	0.08%	0.048%
228	15.730	15.723	15.737	VV	18	116	0.03%	0.018%
229	15.752	15.737	15.763	VV	23	258	0.06%	0.040%
230	15.775	15.763	15.786	VV	26	215	0.05%	0.033%
231	15.797	15.786	15.807	PV	24	175	0.04%	0.027%
232	15.817	15.807	15.836	VV	15	145	0.04%	0.022%
233	15.904	15.836	15.914	VV	29	910	0.22%	0.139%
234	15.934	15.914	15.995	VV	40	1291	0.32%	0.198%
235	16.100	16.032	16.121	PV	17	409	0.10%	0.063%
236	16.205	16.121	16.344	VV	245	12482	3.07%	1.913%

Sum of corrected areas: 652381

FB011525.M Thu Jan 30 01:24:24 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:	01/27/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/28/25
Client Sample ID:	JPP-16.3-012725	SDG No.:	Q1206
Lab Sample ID:	Q1206-05	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	85.9 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
FB031370.D	1	01/29/25 15:28	FB012925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	51.0	U	9.00	51.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	12.8		50 - 150	64%	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\FB012925\
Data File : FB031370.D
Signal(s) : FID2B.CH
Acq On : 29 Jan 2025 15:28
Operator : YP/AJ
Sample : Q1206-05
Misc : 5.09G/5.00 ML DI WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
JPP-16.3-012725

Integration File: Calibration.e
Quant Time: Jan 30 00:55:49 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	8.795	305926	12.826 ng/ml
Target Compounds				

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

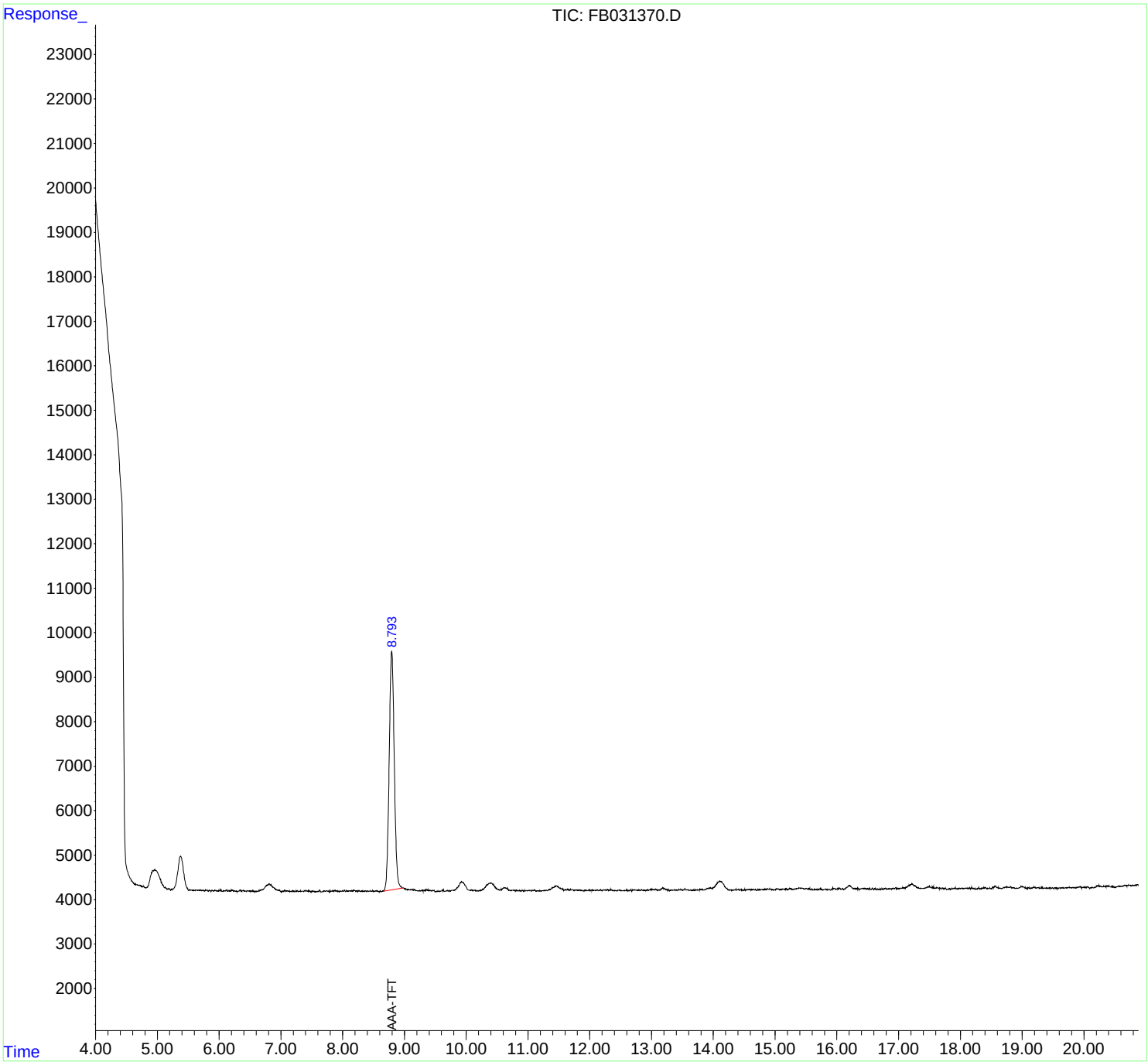
Quantitation Report (QT Reviewed)

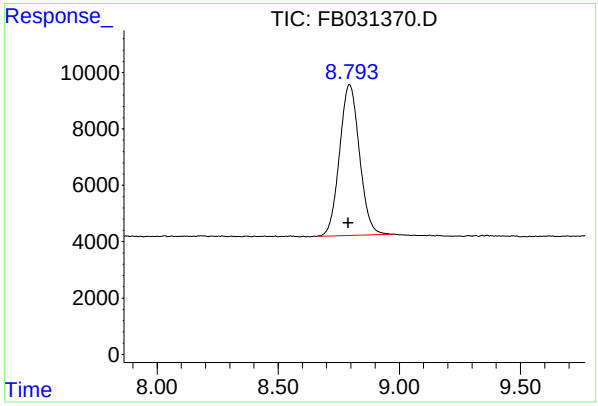
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB012925\
Data File : FB031370.D
Signal(s) : FID2B.CH
Acq On : 29 Jan 2025 15:28
Operator : YP/AJ
Sample : Q1206-05
Misc : 5.09G/5.00 ML DI WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
JPP-16.3-012725

Integration File: Calibration.e
Quant Time: Jan 30 00:55:49 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.: 8.795 min
Delta R.T.: 0.005 mi
Response: 305926
Conc: 12.83 ng/m

Instrument :
FID_B
ClientSampleId :
JPP-16.3-012725

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB012925\
Data File : FB031370.D
Signal(s) : FID2B.CH
Acq On : 29 Jan 2025 15:28
Sample : Q1206-05
Misc : 5.09G/5.00 ML DI WATER
ALS Vial : 15 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	4.671	4.816	BV	10	358	0.11%	0.068%
2	5.129	5.121	5.169	VV	58	1038	0.32%	0.199%
3	5.177	5.169	5.189	VV	33	308	0.10%	0.059%
4	5.200	5.189	5.214	VV	29	306	0.10%	0.058%
5	5.247	5.214	5.261	PV	31	535	0.17%	0.102%
6	5.515	5.506	5.523	VV	18	141	0.04%	0.027%
7	5.538	5.523	5.575	VV	19	417	0.13%	0.080%
8	5.586	5.575	5.605	VV	18	183	0.06%	0.035%
9	5.642	5.605	5.661	VV	21	481	0.15%	0.092%
10	5.672	5.661	5.687	VV	20	217	0.07%	0.042%
11	5.699	5.687	5.761	VV	27	617	0.19%	0.118%
12	5.806	5.761	5.821	PV	32	496	0.16%	0.095%
13	5.843	5.821	5.862	VV	27	276	0.09%	0.053%
14	5.890	5.862	5.904	VV	24	339	0.11%	0.065%
15	5.911	5.904	5.918	VV	13	81	0.03%	0.015%
16	5.935	5.918	5.960	VV	28	442	0.14%	0.084%
17	5.968	5.960	5.985	VV	18	153	0.05%	0.029%
18	6.033	5.985	6.057	PV	44	626	0.20%	0.120%
19	6.075	6.057	6.094	PV	21	232	0.07%	0.044%
20	6.126	6.094	6.139	VV	37	590	0.18%	0.113%
21	6.156	6.139	6.165	VV	23	193	0.06%	0.037%
22	6.211	6.165	6.237	VV	33	883	0.28%	0.169%
23	6.248	6.237	6.273	VV	26	278	0.09%	0.053%
24	6.281	6.273	6.289	VV	19	101	0.03%	0.019%
25	6.296	6.289	6.307	VV	12	79	0.02%	0.015%
26	6.345	6.307	6.357	VV	43	653	0.20%	0.125%
27	6.387	6.357	6.444	VV	31	960	0.30%	0.184%
28	6.456	6.444	6.491	VV	29	516	0.16%	0.099%
29	6.501	6.491	6.511	VV	24	229	0.07%	0.044%
30	6.524	6.511	6.536	VV	32	288	0.09%	0.055%
31	6.551	6.536	6.571	VV	27	277	0.09%	0.053%
32	6.587	6.571	6.598	PV	21	152	0.05%	0.029%
33	6.645	6.598	6.658	PV	35	596	0.19%	0.114%
34	6.688	6.658	6.703	VV	56	1131	0.35%	0.216%
35	6.947	6.939	6.969	VV	48	684	0.21%	0.131%
36	6.978	6.969	7.025	VV	48	667	0.21%	0.128%

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37	7.034	7.025	7.042	VV	24	164	0.05%	0.031%
38	7.057	7.042	7.075	VV	43	536	0.17%	0.103%
39	7.086	7.075	7.098	VV	34	377	0.12%	0.072%
40	7.107	7.098	7.148	VV	30	568	0.18%	0.109%
41	7.158	7.148	7.171	VV	16	179	0.06%	0.034%
42	7.188	7.171	7.204	VV	31	362	0.11%	0.069%
43	7.215	7.204	7.227	VV	23	216	0.07%	0.041%
44	7.242	7.227	7.262	PV	29	353	0.11%	0.067%
45	7.272	7.262	7.287	VV	29	274	0.09%	0.052%
46	7.301	7.287	7.311	VV	24	247	0.08%	0.047%
47	7.320	7.311	7.370	VV	25	621	0.19%	0.119%
48	7.382	7.370	7.400	VV	34	456	0.14%	0.087%
49	7.410	7.400	7.424	VV	37	373	0.12%	0.071%
50	7.430	7.424	7.437	VV	27	186	0.06%	0.036%
51	7.445	7.437	7.485	VV	38	562	0.18%	0.108%
52	7.496	7.485	7.503	VV	27	160	0.05%	0.031%
53	7.514	7.503	7.526	VV	28	271	0.08%	0.052%
54	7.537	7.526	7.552	VV	25	223	0.07%	0.043%
55	7.591	7.552	7.604	PV	20	338	0.11%	0.065%
56	7.627	7.604	7.668	VV	44	647	0.20%	0.124%
57	7.690	7.668	7.698	VV	29	282	0.09%	0.054%
58	7.709	7.698	7.722	VV	32	327	0.10%	0.063%
59	7.745	7.722	7.769	VV	37	640	0.20%	0.122%
60	7.775	7.769	7.784	VV	27	164	0.05%	0.031%
61	7.794	7.784	7.800	VV	22	126	0.04%	0.024%
62	7.812	7.800	7.827	VV	26	327	0.10%	0.063%
63	7.841	7.827	7.849	VV	38	345	0.11%	0.066%
64	7.856	7.849	7.862	VV	38	204	0.06%	0.039%
65	7.871	7.862	7.889	VV	41	476	0.15%	0.091%
66	7.900	7.889	7.924	VV	31	475	0.15%	0.091%
67	7.932	7.924	7.945	VV	23	202	0.06%	0.039%
68	7.961	7.945	7.985	VV	23	376	0.12%	0.072%
69	8.032	7.985	8.045	VV	46	929	0.29%	0.178%
70	8.062	8.045	8.083	VV	39	473	0.15%	0.090%
71	8.126	8.083	8.161	VV	29	1092	0.34%	0.209%
72	8.181	8.161	8.213	VV	42	996	0.31%	0.190%
73	8.230	8.213	8.240	VV	31	392	0.12%	0.075%
74	8.270	8.240	8.294	VV	32	728	0.23%	0.139%
75	8.307	8.294	8.351	VV	26	561	0.18%	0.107%
76	8.369	8.351	8.390	VV	29	444	0.14%	0.085%
77	8.403	8.390	8.425	VV	28	412	0.13%	0.079%
78	8.444	8.425	8.454	VV	31	365	0.11%	0.070%
79	8.464	8.454	8.478	VV	21	260	0.08%	0.050%
80	8.491	8.478	8.501	VV	31	274	0.09%	0.052%
81	8.552	8.501	8.589	VV	33	979	0.31%	0.187%
82	8.605	8.589	8.632	VV	21	266	0.08%	0.051%
83	8.795	8.632	9.048	VV	5407	319528	100.00%	61.103%
84	9.062	9.048	9.099	VV	58	1552	0.49%	0.297%
85	9.105	9.099	9.116	VV	51	451	0.14%	0.086%
86	9.127	9.116	9.149	VV	62	928	0.29%	0.177%
87	9.161	9.149	9.191	VV	53	1000	0.31%	0.191%
88	9.205	9.191	9.223	VV	30	500	0.16%	0.096%
89	9.252	9.223	9.265	VV	33	588	0.18%	0.112%

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90	9.288	9.265	9.302	VV	42	640	0.20%	0.122%
91	9.318	9.302	9.330	VV	44	541	0.17%	0.103%
92	9.344	9.330	9.352	VV	56	507	0.16%	0.097%
93	9.363	9.352	9.373	VV	57	569	0.18%	0.109%
94	9.379	9.373	9.420	VV	43	901	0.28%	0.172%
95	9.427	9.420	9.452	VV	36	470	0.15%	0.090%
96	9.467	9.452	9.498	VV	34	664	0.21%	0.127%
97	9.517	9.498	9.527	PV	13	96	0.03%	0.018%
98	9.563	9.527	9.575	VV	21	311	0.10%	0.059%
99	9.614	9.575	9.646	VV	38	965	0.30%	0.185%
100	9.695	9.646	9.711	VV	33	723	0.23%	0.138%
101	9.781	9.711	9.792	VV	36	1323	0.41%	0.253%
102	9.926	9.792	10.070	VV	222	18884	5.91%	3.611%
103	10.090	10.070	10.117	VV	47	1008	0.32%	0.193%
104	10.127	10.117	10.132	VV	35	267	0.08%	0.051%
105	10.144	10.132	10.179	VV	37	732	0.23%	0.140%
106	10.192	10.179	10.202	VV	28	260	0.08%	0.050%
107	10.224	10.202	10.235	VV	36	490	0.15%	0.094%
108	10.244	10.235	10.253	VV	38	334	0.10%	0.064%
109	10.269	10.253	10.282	VV	67	873	0.27%	0.167%
110	10.402	10.282	10.519	VV	201	18773	5.88%	3.590%
111	10.528	10.519	10.548	VV	49	677	0.21%	0.130%
112	10.623	10.548	10.729	VV	96	6215	1.94%	1.188%
113	10.750	10.729	10.762	VV	34	588	0.18%	0.112%
114	10.770	10.762	10.808	VV	39	791	0.25%	0.151%
115	10.814	10.808	10.848	VV	37	614	0.19%	0.117%
116	10.860	10.848	10.871	VV	34	296	0.09%	0.057%
117	10.886	10.871	10.898	VV	25	272	0.09%	0.052%
118	10.912	10.898	10.942	VV	26	518	0.16%	0.099%
119	10.948	10.942	10.961	VV	22	221	0.07%	0.042%
120	10.978	10.961	10.989	VV	26	341	0.11%	0.065%
121	10.998	10.989	11.003	VV	24	153	0.05%	0.029%
122	11.014	11.003	11.024	VV	33	316	0.10%	0.061%
123	11.036	11.024	11.061	VV	27	411	0.13%	0.079%
124	11.070	11.061	11.092	VV	32	444	0.14%	0.085%
125	11.112	11.092	11.134	VV	36	633	0.20%	0.121%
126	11.159	11.134	11.172	VV	19	364	0.11%	0.070%
127	11.182	11.172	11.212	VV	22	377	0.12%	0.072%
128	11.237	11.212	11.245	VV	22	347	0.11%	0.066%
129	11.269	11.245	11.282	VV	29	500	0.16%	0.096%
130	11.298	11.282	11.312	VV	32	474	0.15%	0.091%
131	11.443	11.312	11.452	VV	120	5819	1.82%	1.113%
132	11.470	11.452	11.534	VV	127	4899	1.53%	0.937%
133	11.547	11.534	11.560	VV	70	917	0.29%	0.175%
134	11.568	11.560	11.593	VV	65	785	0.25%	0.150%
135	11.608	11.593	11.621	VV	41	591	0.18%	0.113%
136	11.644	11.621	11.667	VV	55	1148	0.36%	0.220%
137	11.688	11.667	11.698	VV	51	653	0.20%	0.125%
138	11.722	11.698	11.751	VV	46	1125	0.35%	0.215%
139	11.768	11.751	11.779	VV	37	521	0.16%	0.100%
140	11.790	11.779	11.813	VV	39	587	0.18%	0.112%
141	11.822	11.813	11.829	VV	32	243	0.08%	0.047%

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142	11.841	11.829	11.891	VV	36	869	0.27%	0.166%
143	11.899	11.891	11.907	VV	23	174	0.05%	0.033%
144	11.917	11.907	11.931	VV	26	328	0.10%	0.063%
145	11.941	11.931	11.967	VV	32	516	0.16%	0.099%
146	11.993	11.967	12.017	VV	36	759	0.24%	0.145%
147	12.043	12.017	12.061	VV	38	749	0.23%	0.143%
148	12.073	12.061	12.093	VV	27	445	0.14%	0.085%
149	12.112	12.093	12.142	VV	38	809	0.25%	0.155%
150	12.174	12.142	12.197	VV	44	883	0.28%	0.169%
151	12.230	12.197	12.241	VV	37	751	0.23%	0.144%
152	12.258	12.241	12.267	VV	39	480	0.15%	0.092%
153	12.289	12.267	12.319	VV	45	1002	0.31%	0.192%
154	12.335	12.319	12.344	VV	45	446	0.14%	0.085%
155	12.357	12.344	12.381	VV	36	585	0.18%	0.112%
156	12.396	12.381	12.447	VV	28	654	0.20%	0.125%
157	12.459	12.447	12.477	VV	31	414	0.13%	0.079%
158	12.486	12.477	12.509	VV	35	437	0.14%	0.083%
159	12.565	12.509	12.580	VV	26	728	0.23%	0.139%
160	12.592	12.580	12.615	VV	28	423	0.13%	0.081%
161	12.620	12.615	12.626	VV	23	124	0.04%	0.024%
162	12.635	12.626	12.650	VV	25	283	0.09%	0.054%
163	12.667	12.650	12.681	VV	45	468	0.15%	0.090%
164	12.714	12.681	12.784	PB	29	1049	0.33%	0.201%
165	12.800	12.787	12.812	BV	15	88	0.03%	0.017%
166	12.837	12.812	12.859	PV	27	393	0.12%	0.075%
167	12.867	12.859	12.875	VV	17	114	0.04%	0.022%
168	12.884	12.875	12.924	VV	19	348	0.11%	0.067%
169	12.935	12.924	12.954	VV	30	313	0.10%	0.060%
170	12.985	12.954	12.996	VV	40	604	0.19%	0.115%
171	13.004	12.996	13.011	VV	40	246	0.08%	0.047%
172	13.019	13.011	13.027	VV	34	290	0.09%	0.055%
173	13.073	13.027	13.138	VV	38	1629	0.51%	0.312%
174	13.154	13.138	13.161	VV	48	494	0.15%	0.095%
175	13.181	13.161	13.235	VV	73	2370	0.74%	0.453%
176	13.244	13.235	13.264	VV	37	481	0.15%	0.092%
177	13.276	13.264	13.291	VV	33	292	0.09%	0.056%
178	13.331	13.291	13.344	PV	27	539	0.17%	0.103%
179	13.372	13.344	13.385	VV	34	532	0.17%	0.102%
180	13.413	13.385	13.427	VV	27	517	0.16%	0.099%
181	13.442	13.427	13.452	VV	32	331	0.10%	0.063%
182	13.463	13.452	13.476	VV	31	359	0.11%	0.069%
183	13.491	13.476	13.510	VV	27	469	0.15%	0.090%
184	13.540	13.510	13.578	VV	53	1215	0.38%	0.232%
185	13.591	13.578	13.609	VV	30	405	0.13%	0.077%
186	13.631	13.609	13.664	VV	25	454	0.14%	0.087%
187	13.683	13.664	13.708	VV	22	392	0.12%	0.075%
188	13.747	13.708	13.759	VV	32	646	0.20%	0.123%
189	13.768	13.759	13.772	VV	24	156	0.05%	0.030%
190	13.786	13.772	13.805	VV	45	611	0.19%	0.117%
191	13.817	13.805	13.836	VV	39	527	0.17%	0.101%
192	13.959	13.836	13.987	VV	75	4162	1.30%	0.796%
193	14.097	13.987	14.268	VV	216	19963	6.25%	3.817%
194	14.278	14.268	14.305	VV	24	340	0.11%	0.065%

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195	14.327	14.305	14.339	VV	21	339	0.11%	0.065%
196	14.368	14.339	14.379	VV	38	470	0.15%	0.090%
197	14.407	14.379	14.423	VV	37	523	0.16%	0.100%
198	14.438	14.423	14.454	VV	21	292	0.09%	0.056%
199	14.461	14.454	14.479	VV	18	198	0.06%	0.038%
200	14.536	14.479	14.545	VV	25	564	0.18%	0.108%
201	14.559	14.545	14.601	VV	33	777	0.24%	0.148%
202	14.610	14.601	14.629	VV	30	324	0.10%	0.062%
203	14.649	14.629	14.704	VV	29	846	0.26%	0.162%
204	14.742	14.704	14.769	VV	25	618	0.19%	0.118%
205	14.783	14.769	14.804	VV	29	450	0.14%	0.086%
206	14.814	14.804	14.819	VV	28	171	0.05%	0.033%
207	14.844	14.819	14.855	VV	30	550	0.17%	0.105%
208	14.860	14.855	14.867	VV	29	168	0.05%	0.032%
209	14.878	14.867	14.900	VV	44	633	0.20%	0.121%
210	14.908	14.900	14.951	VV	36	785	0.25%	0.150%
211	14.958	14.951	14.972	VV	22	245	0.08%	0.047%
212	14.986	14.972	14.996	VV	20	185	0.06%	0.035%
213	15.035	14.996	15.045	VV	41	758	0.24%	0.145%
214	15.053	15.045	15.085	VV	33	578	0.18%	0.111%
215	15.107	15.085	15.114	VV	31	400	0.13%	0.077%
216	15.144	15.114	15.166	VV	36	778	0.24%	0.149%
217	15.180	15.166	15.208	VV	38	663	0.21%	0.127%
218	15.244	15.208	15.261	VV	43	973	0.30%	0.186%
219	15.269	15.261	15.278	VV	41	299	0.09%	0.057%
220	15.286	15.278	15.302	VV	31	360	0.11%	0.069%
221	15.439	15.302	15.449	VV	54	3568	1.12%	0.682%
222	15.504	15.484	15.543	VV	41	1114	0.35%	0.213%
223	15.556	15.543	15.581	VV	33	600	0.19%	0.115%
224	15.595	15.581	15.626	VV	31	466	0.15%	0.089%
225	15.638	15.626	15.654	VV	30	235	0.07%	0.045%
226	15.670	15.654	15.693	VV	17	235	0.07%	0.045%
227	15.734	15.693	15.782	VV	38	794	0.25%	0.152%
228	15.818	15.782	15.857	VV	19	639	0.20%	0.122%
229	15.877	15.857	15.895	VV	22	285	0.09%	0.054%
230	15.934	15.895	16.003	PV	60	1564	0.49%	0.299%
231	16.049	16.003	16.066	VV	41	1035	0.32%	0.198%
232	16.093	16.066	16.116	VV	31	516	0.16%	0.099%
233	16.209	16.116	16.294	VV	97	5132	1.61%	0.981%
234	16.337	16.294	16.366	VV	17	682	0.21%	0.130%
					Sum of corrected areas:		522936	

FB011525.M Thu Jan 30 01:24:43 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.: Q1206 SAS No.: Q1206 SDG No.: Q1206

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

Quantitation Report (QT Reviewed)

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

Instrument :
FID_B
ClientSampleId :
5 GRO STD

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

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

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

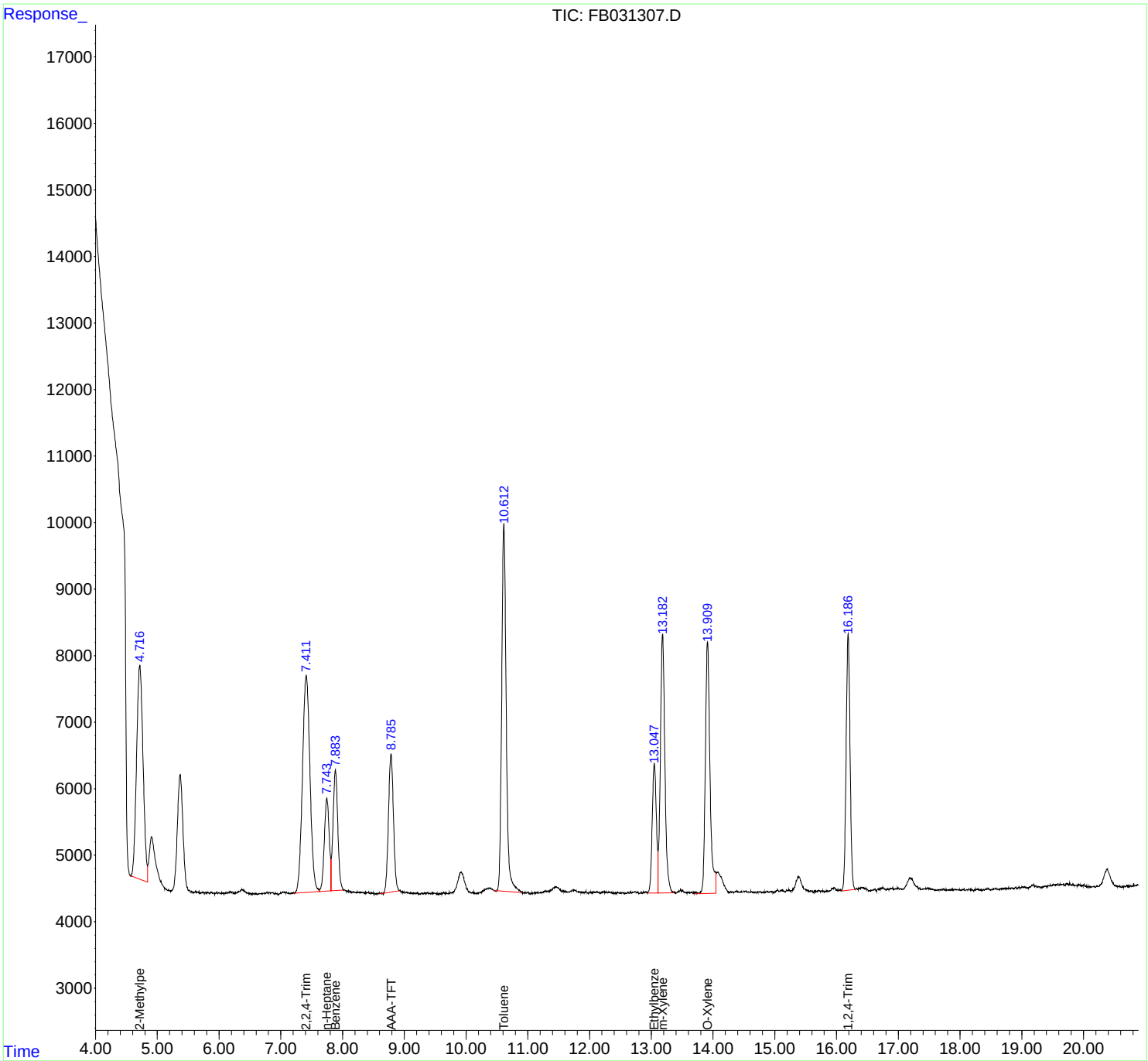
(f)=RT Delta > 1/2 Window (m)=manual int.

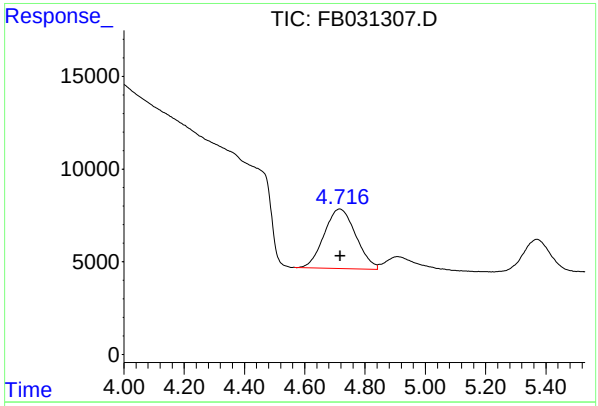
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011525\
Data File : FB031307.D
Signal(s) : FID2B.CH
Acq On : 15 Jan 2025 10:20
Operator : YP/AJ
Sample : 5 GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
5 GRO STD

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

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

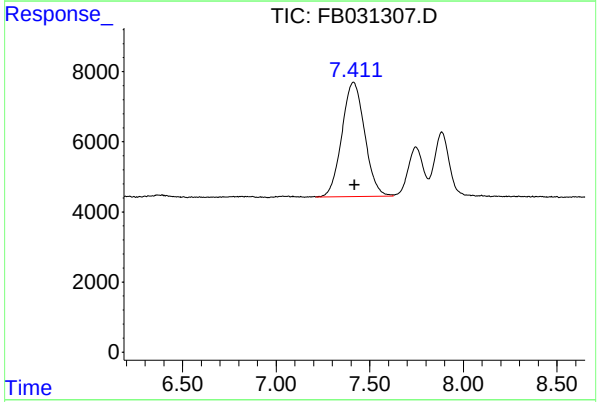




#1 2-Methylpentane

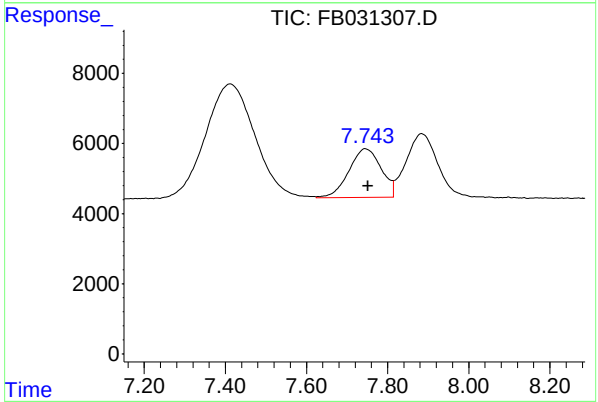
R.T.: 4.718 min
Delta R.T.: 0.000 min
Response: 233598
Conc: 7.65 ng/ml

Instrument :
FID_B
ClientSampleId :
5 GRO STD



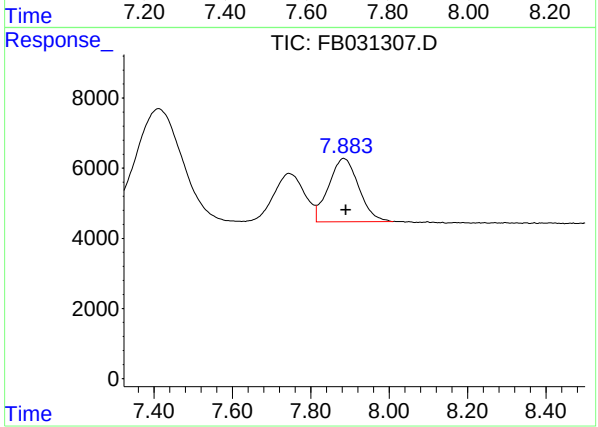
#2 2,2,4-Trimethylpentane

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



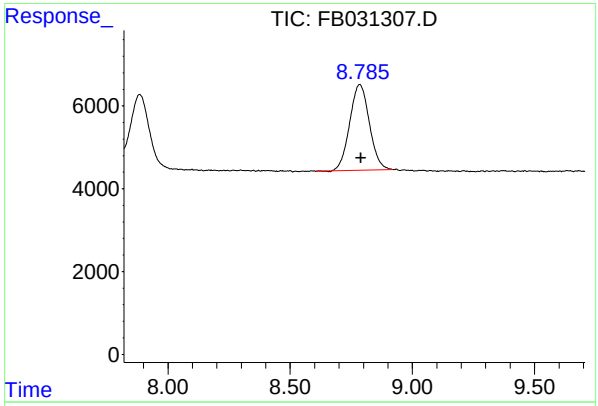
#3 n-Heptane

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



#4 Benzene

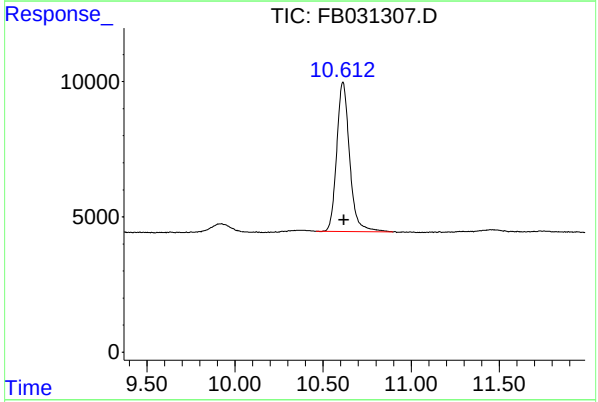
R.T.: 7.885 min
Delta R.T.: -0.005 min
Response: 96940
Conc: 2.46 ng/ml



#5 AAA-TFT

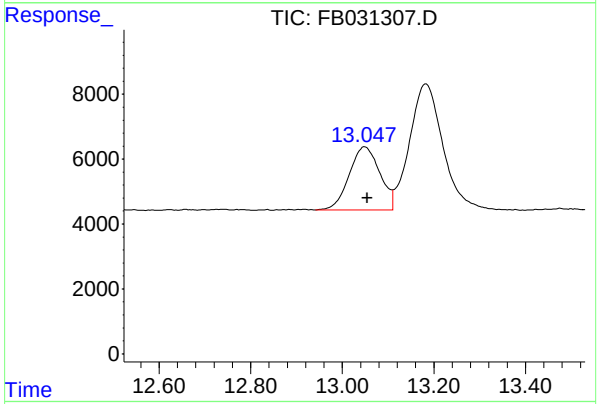
R.T.: 8.786 min
Delta R.T.: -0.003 min
Response: 115906
Conc: 4.68 ng/ml

Instrument :
FID_B
ClientSampleId :
5 GRO STD



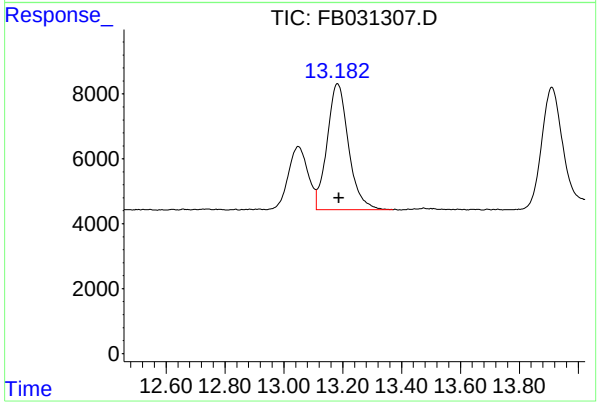
#6 Toluene

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



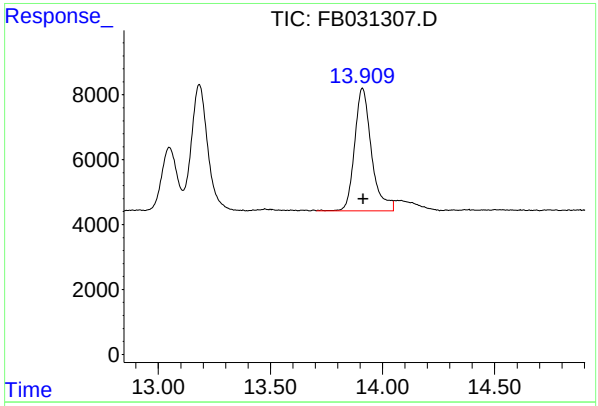
#7 Ethylbenzene

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



#8 m-Xylene

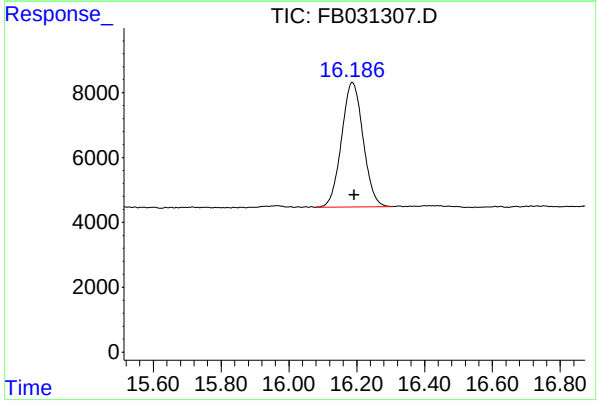
R.T.: 13.183 min
Delta R.T.: -0.005 min
Response: 196650
Conc: 5.78 ng/ml



#9 O-Xylene

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

Instrument :
FID_B
ClientSampleId :
5 GRO STD



#10 1,2,4-Trimethylbenzene

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

rteres

Area Percent Report

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

Integration File: Calibration.e

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

Signal : FID2B.CH

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

Sum of corrected areas: 1735154

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

Quantitation Report (QT Reviewed)

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

Instrument :
FID_B
ClientSampleId :
10 GRO STD

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

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

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

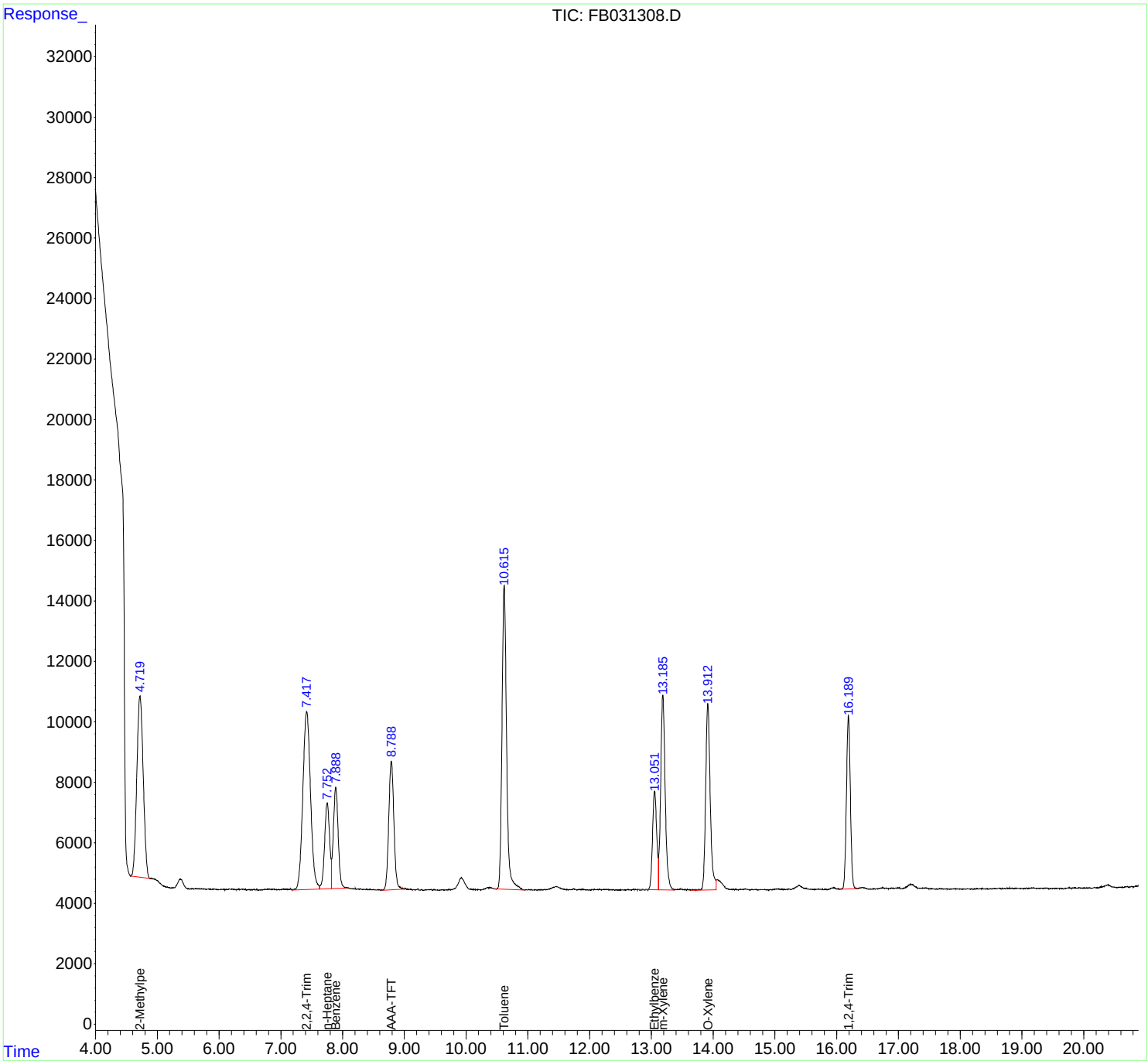
(f)=RT Delta > 1/2 Window (m)=manual int.

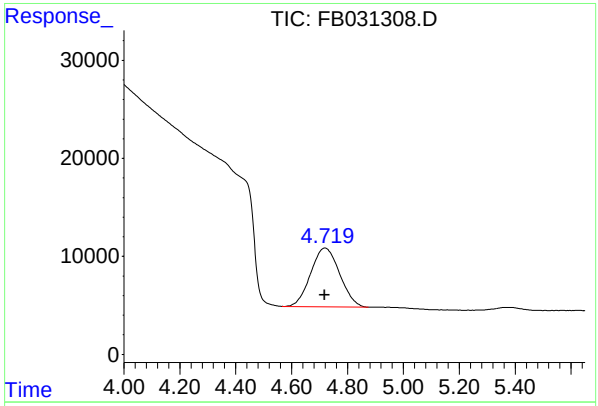
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011525\
Data File : FB031308.D
Signal(s) : FID2B.CH
Acq On : 15 Jan 2025 10:47
Operator : YP/AJ
Sample : 10 GRO STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
10 GRO STD

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

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

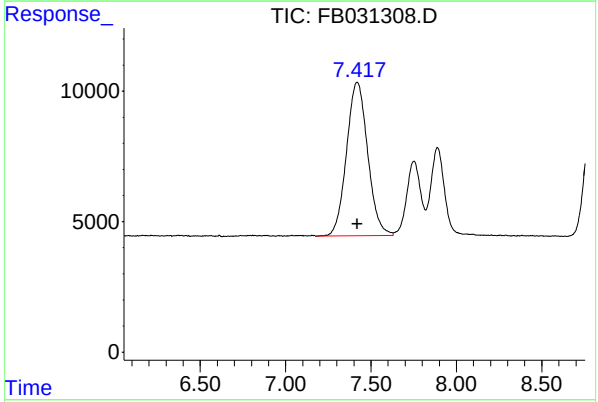




#1 2-Methylpentane

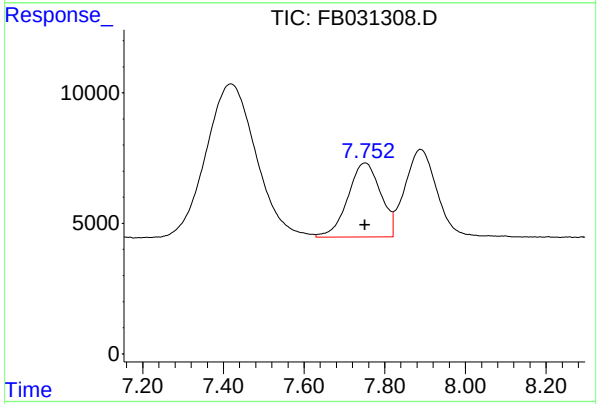
R.T.: 4.720 min
Delta R.T.: 0.002 min
Response: 431842
Conc: 14.01 ng/ml

Instrument :
FID_B
ClientSampleId :
10 GRO STD



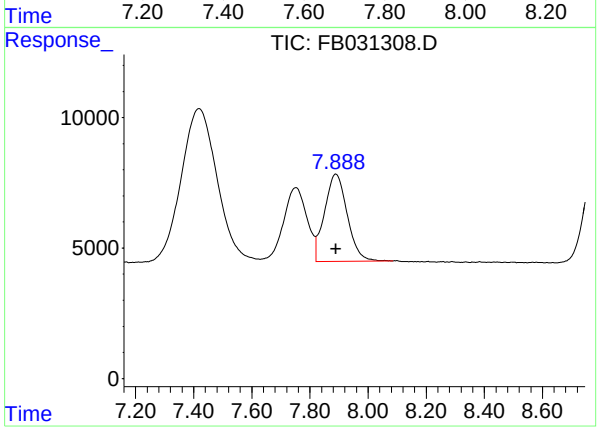
#2 2,2,4-Trimethylpentane

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



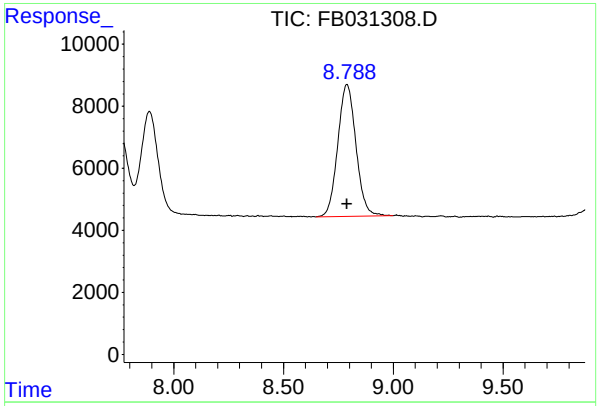
#3 n-Heptane

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



#4 Benzene

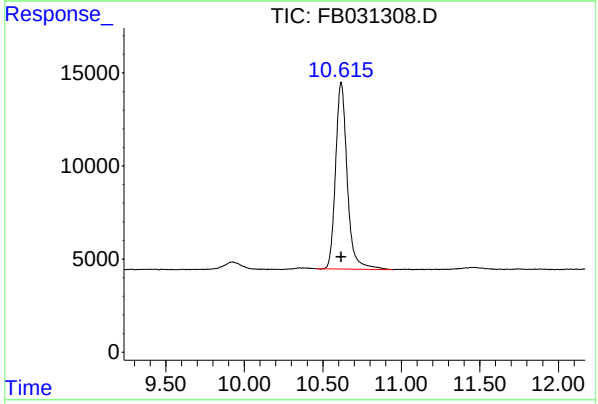
R.T.: 7.890 min
Delta R.T.: 0.000 min
Response: 182595
Conc: 4.67 ng/ml



#5 AAA-TFT

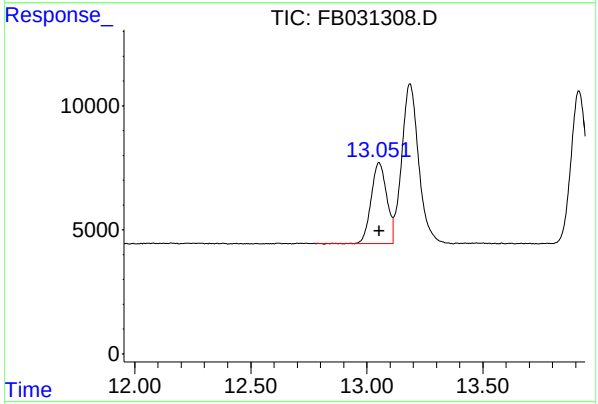
R.T.: 8.789 min
Delta R.T.: 0.000 min
Response: 244936
Conc: 10.22 ng/ml

Instrument :
FID_B
ClientSampleId :
10 GRO STD



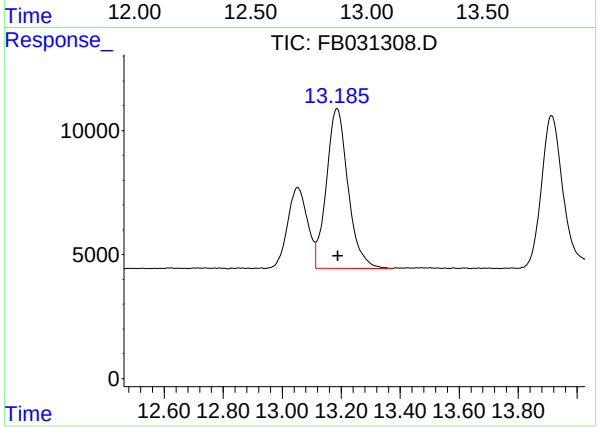
#6 Toluene

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



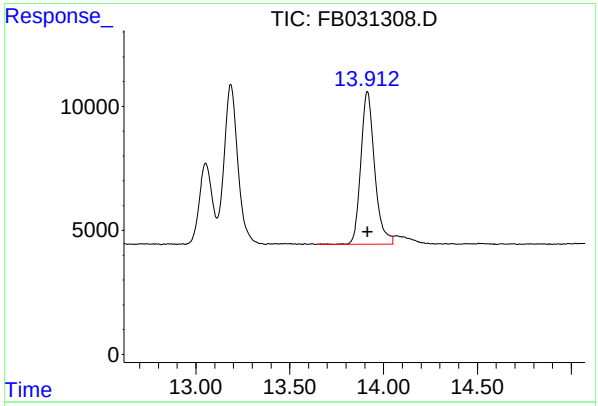
#7 Ethylbenzene

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



#8 m-Xylene

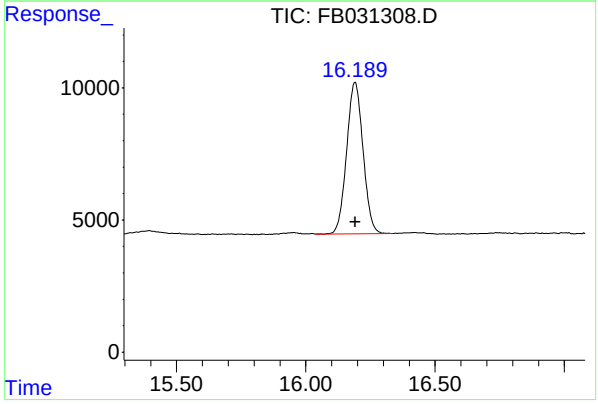
R.T.: 13.186 min
Delta R.T.: -0.002 min
Response: 328529
Conc: 8.96 ng/ml



#9 O-Xylene

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

Instrument :
FID_B
ClientSampleId :
10 GRO STD



#10 1,2,4-Trimethylbenzene

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

rteres

Area Percent Report

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

Integration File: Calibration.e

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

Signal : FID2B.CH

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

Sum of corrected areas: 3094319

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

Quantitation Report (QT Reviewed)

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

Instrument :
FID_B
ClientSampleId :
20 GRO STD

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

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

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

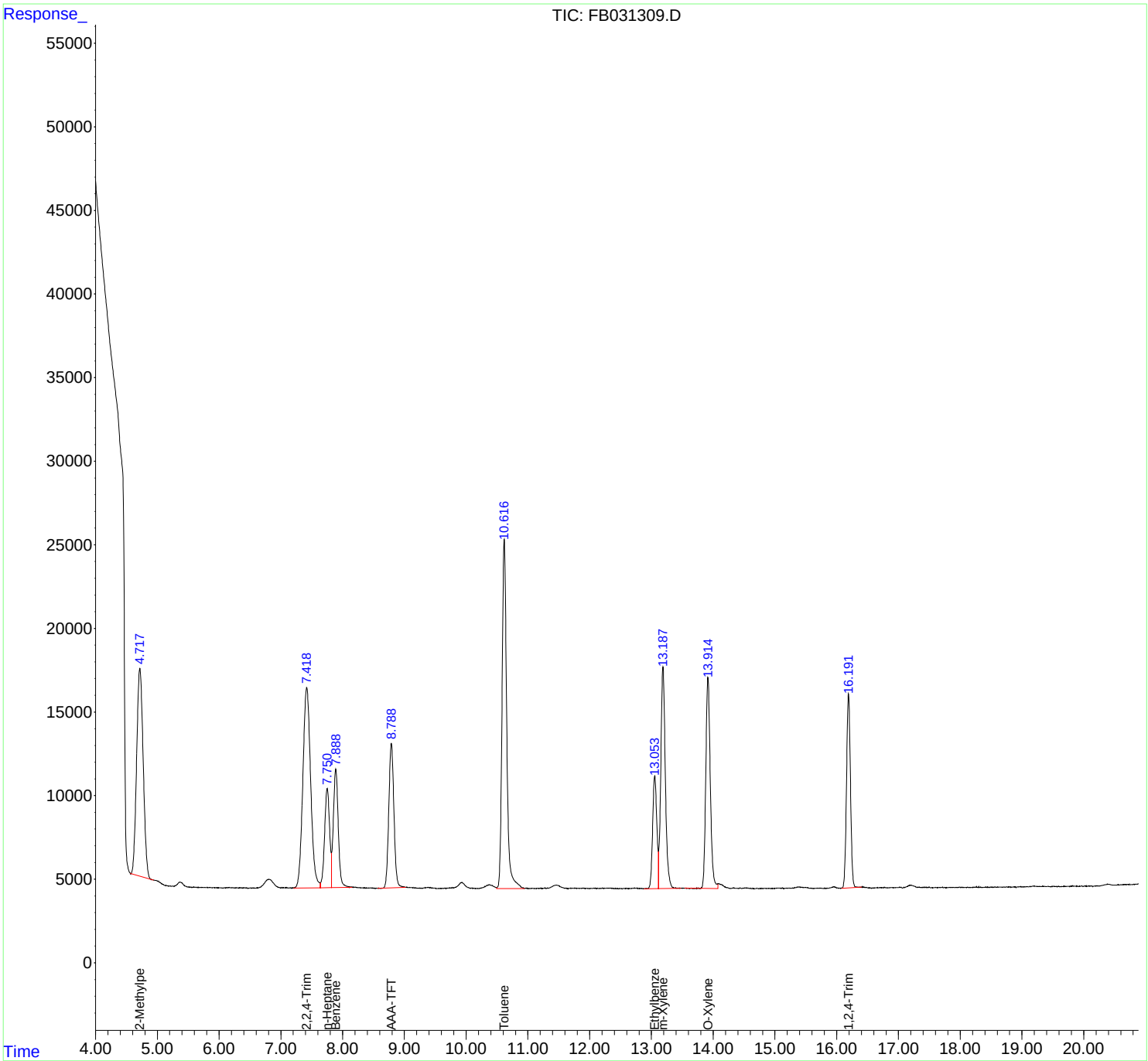
(f)=RT Delta > 1/2 Window (m)=manual int.

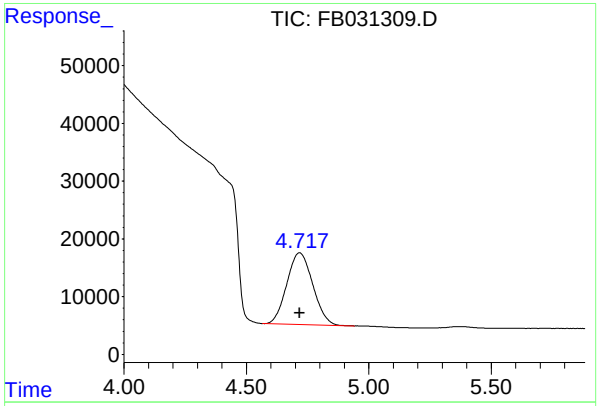
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011525\
Data File : FB031309.D
Signal(s) : FID2B.CH
Acq On : 15 Jan 2025 11:13
Operator : YP/AJ
Sample : 20 GRO STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 GRO STD

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

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

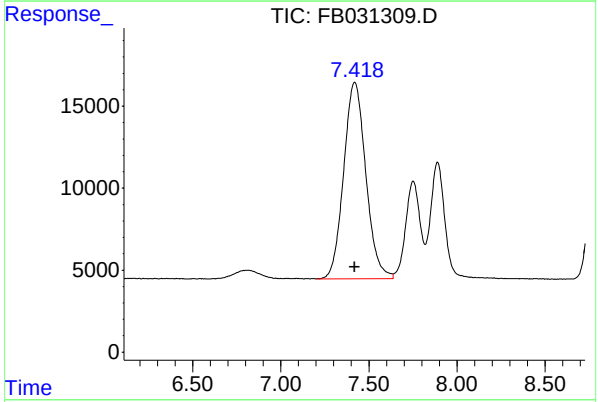




#1 2-Methylpentane

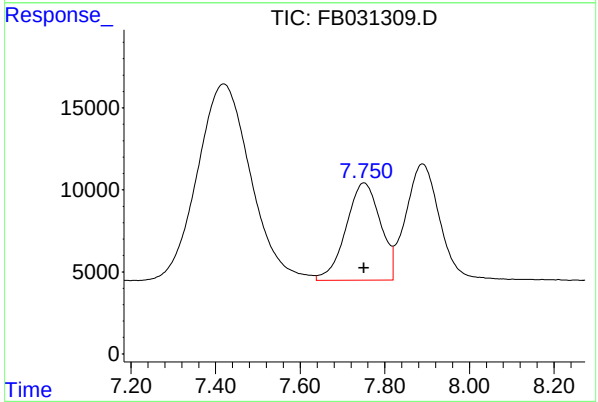
R.T.: 4.718 min
Delta R.T.: 0.000 min
Response: 915530
Conc: 30.00 ng/ml

Instrument :
FID_B
ClientSampleId :
20 GRO STD



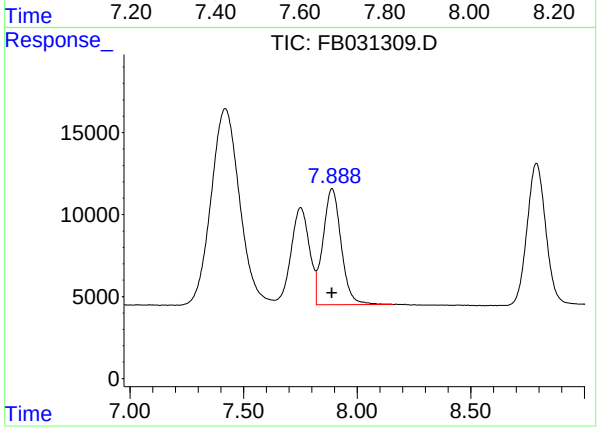
#2 2,2,4-Trimethylpentane

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



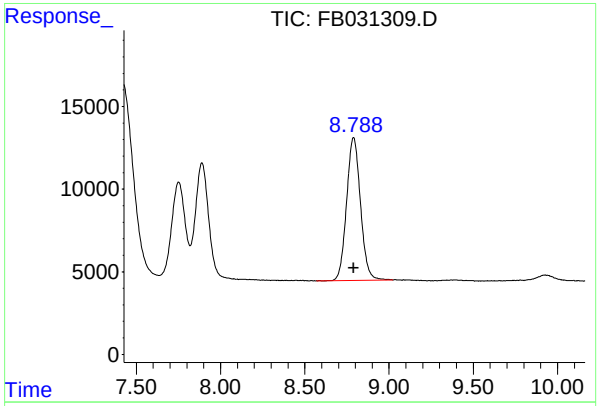
#3 n-Heptane

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



#4 Benzene

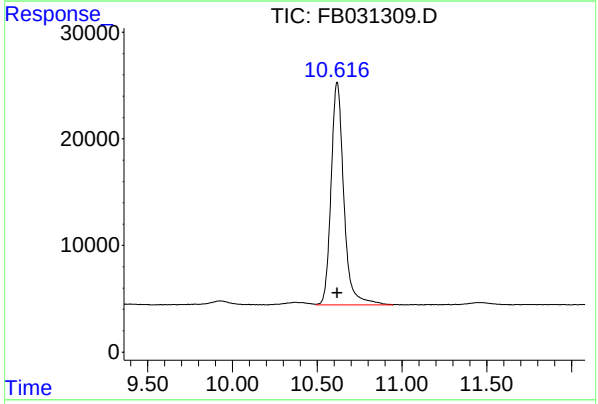
R.T.: 7.890 min
Delta R.T.: 0.000 min
Response: 394556
Conc: 10.00 ng/ml



#5 AAA-TFT

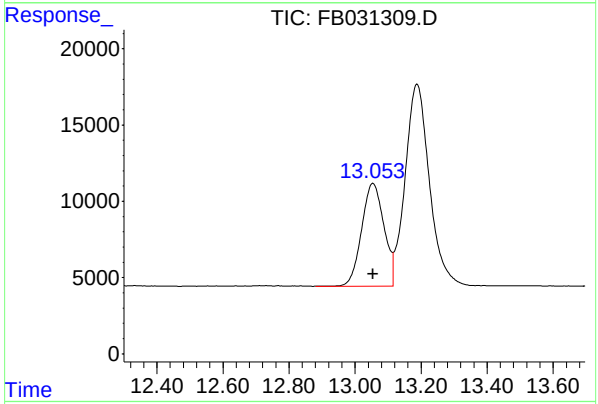
R.T.: 8.790 min
Delta R.T.: 0.000 min
Response: 495333
Conc: 20.00 ng/ml

Instrument :
FID_B
ClientSampleId :
20 GRO STD



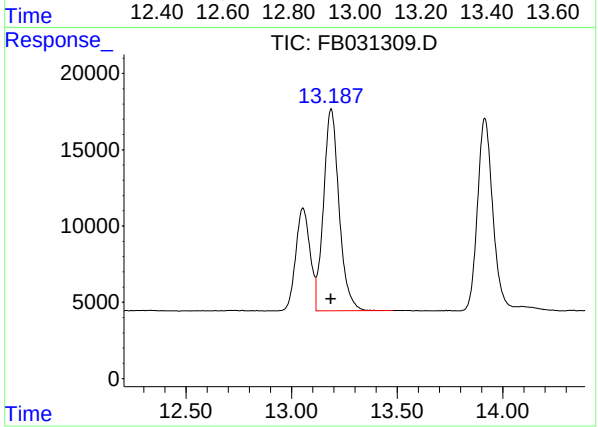
#6 Toluene

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



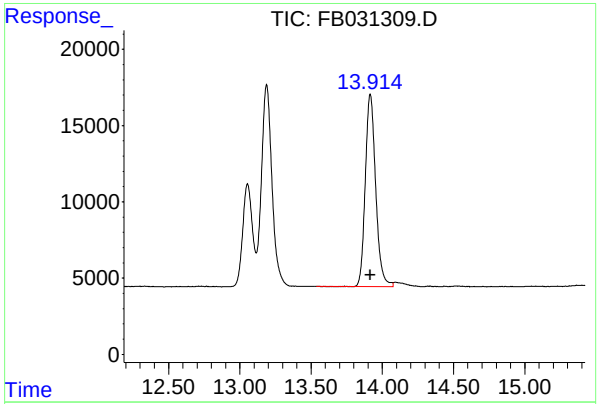
#7 Ethylbenzene

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



#8 m-Xylene

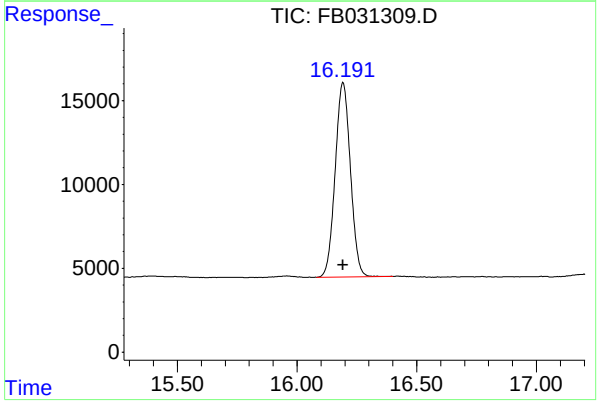
R.T.: 13.188 min
Delta R.T.: 0.000 min
Response: 679935
Conc: 20.00 ng/ml



#9 O-Xylene

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

Instrument :
FID_B
ClientSampleId :
20 GRO STD



#10 1,2,4-Trimethylbenzene

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

rteres

Area Percent Report

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

Integration File: Calibration.e

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

Signal : FID2B.CH

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

Sum of corrected areas: 6422794

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

Quantitation Report (QT Reviewed)

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

Instrument :
FID_B
ClientSampleId :
50 GRO STD

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

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

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

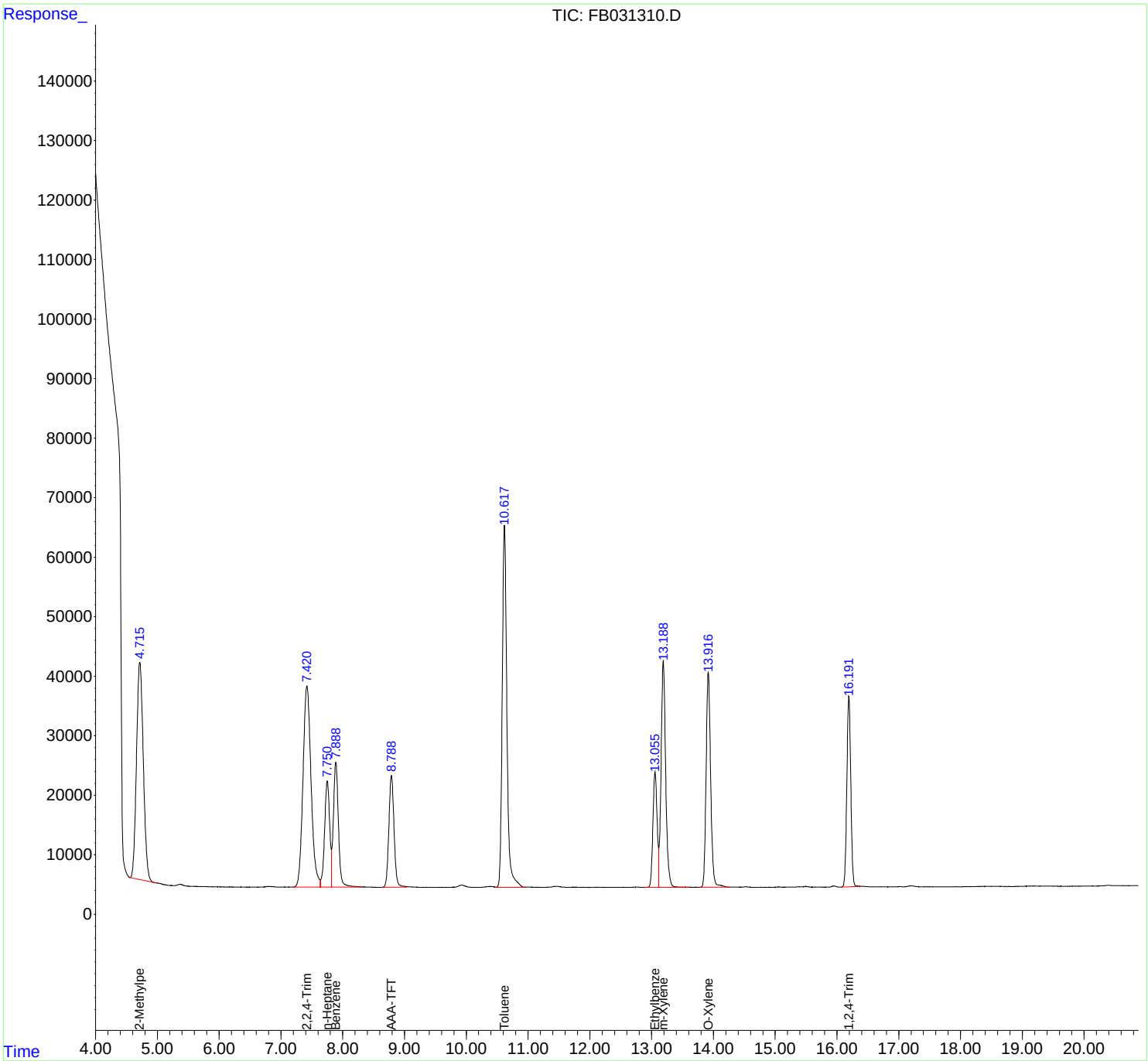
(f)=RT Delta > 1/2 Window (m)=manual int.

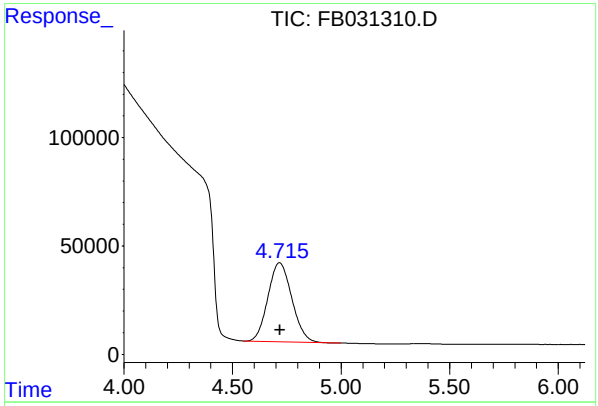
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011525\
Data File : FB031310.D
Signal(s) : FID2B.CH
Acq On : 15 Jan 2025 11:40
Operator : YP/AJ
Sample : 50 GRO STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
50 GRO STD

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

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

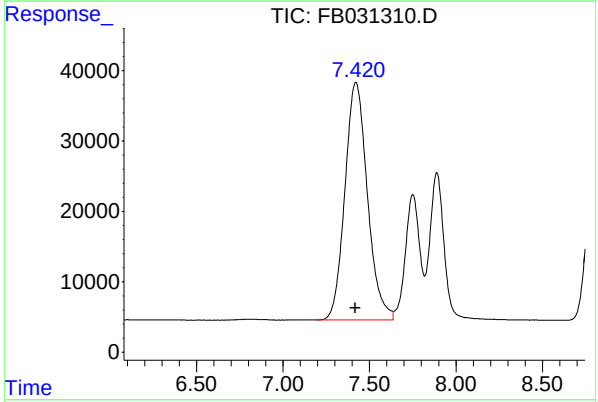




#1 2-Methylpentane

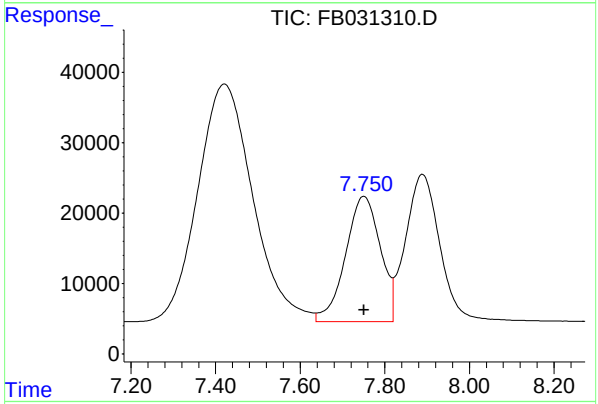
R.T.: 4.716 min
Delta R.T.: -0.002 min
Response: 2794680
Conc: 92.69 ng/ml

Instrument :
FID_B
ClientSampleId :
50 GRO STD



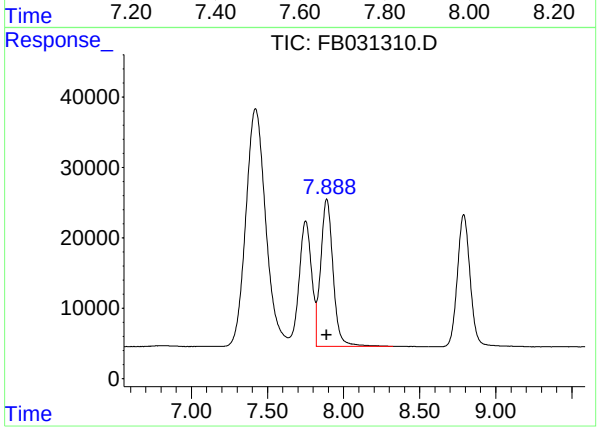
#2 2,2,4-Trimethylpentane

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



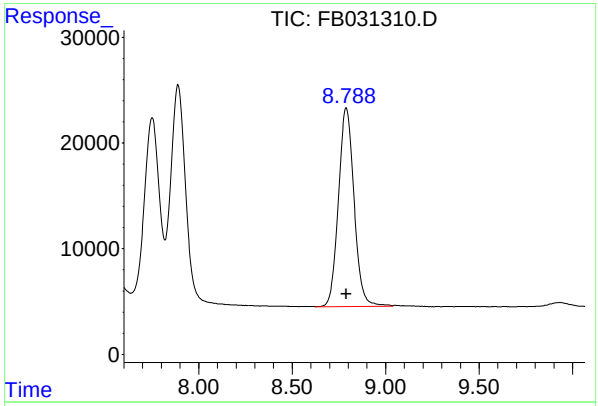
#3 n-Heptane

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



#4 Benzene

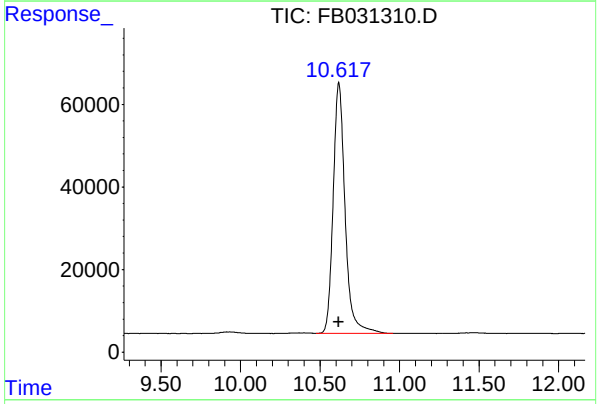
R.T.: 7.889 min
Delta R.T.: 0.000 min
Response: 1195371
Conc: 31.25 ng/ml



#5 AAA-TFT

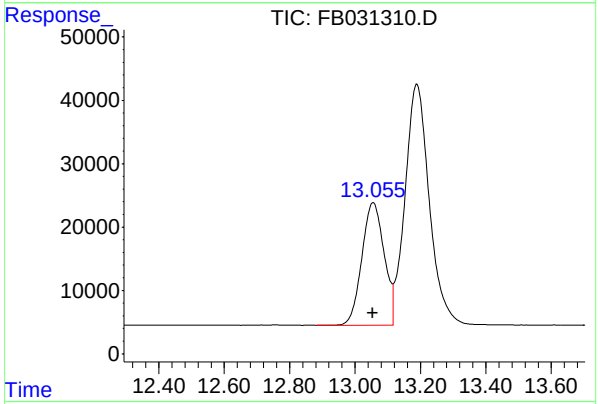
R.T.: 8.789 min
Delta R.T.: 0.000 min
Response: 1088363
Conc: 45.07 ng/ml

Instrument :
FID_B
ClientSampleId :
50 GRO STD



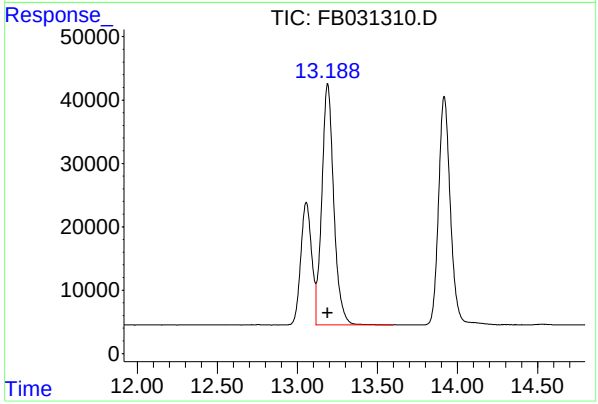
#6 Toluene

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



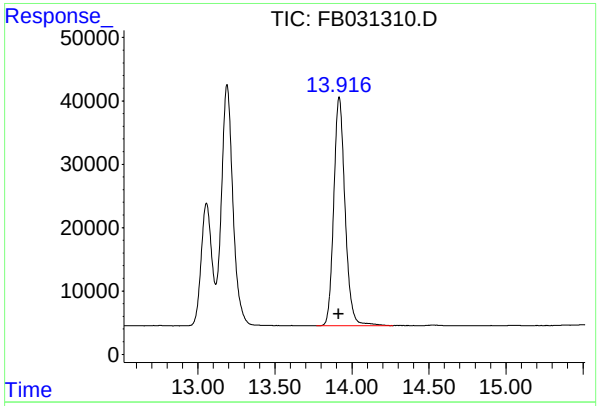
#7 Ethylbenzene

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



#8 m-Xylene

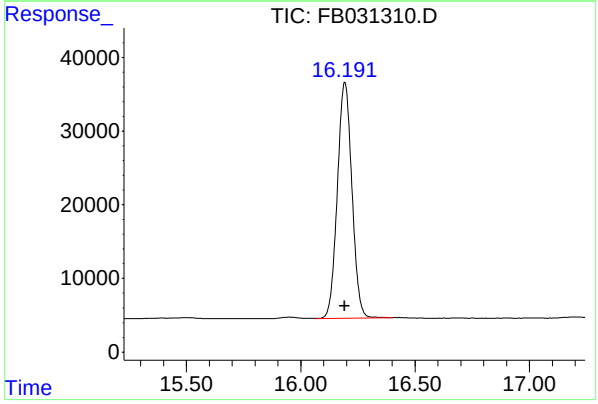
R.T.: 13.189 min
Delta R.T.: 0.001 min
Response: 1979254
Conc: 55.92 ng/ml



#9 O-Xylene

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

Instrument :
FID_B
ClientSampleId :
50 GRO STD



#10 1,2,4-Trimethylbenzene

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

rteres

Area Percent Report

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

Integration File: Calibration.e

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

Signal : FID2B.CH

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

Sum of corrected areas: 18491195

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

Quantitation Report (QT Reviewed)

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

Instrument :
FID_B
ClientSampleId :
100 GRO STD

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

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

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

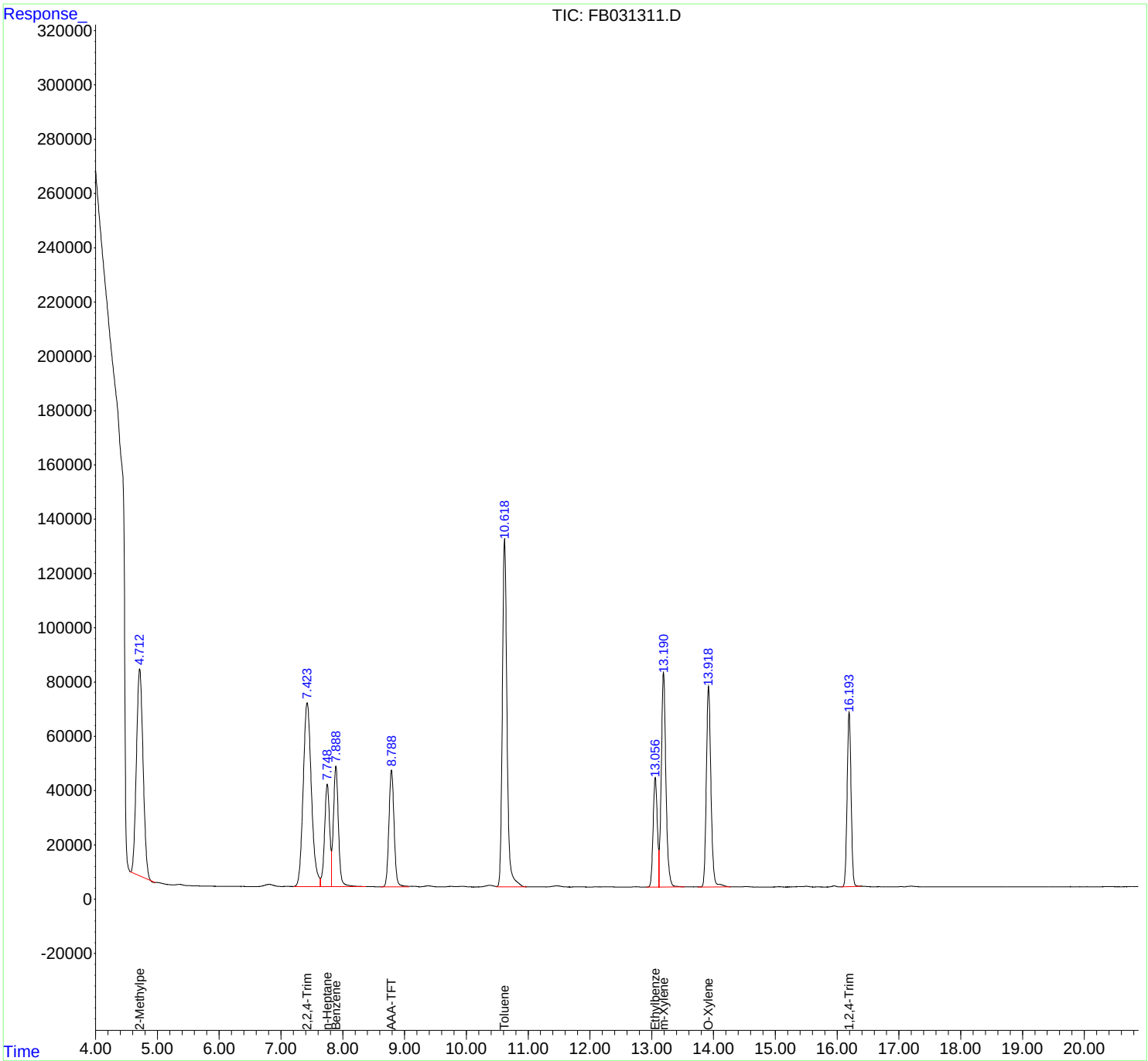
(f)=RT Delta > 1/2 Window (m)=manual int.

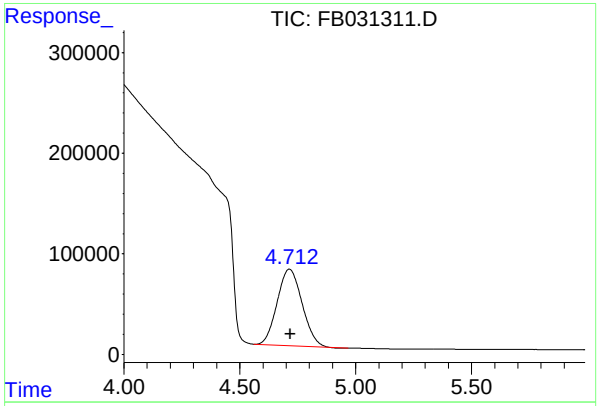
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011525\
Data File : FB031311.D
Signal(s) : FID2B.CH
Acq On : 15 Jan 2025 12:07
Operator : YP/AJ
Sample : 100 GRO STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
100 GRO STD

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

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

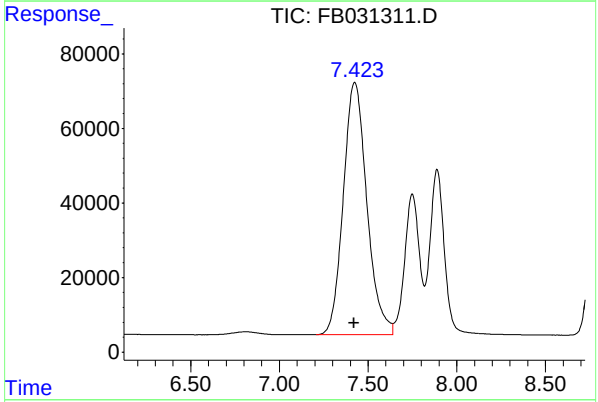




#1 2-Methylpentane

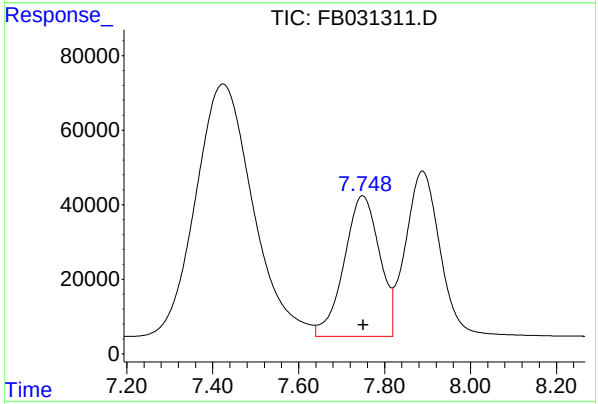
R.T.: 4.714 min
Delta R.T.: -0.004 min
Response: 5701862
Conc: 178.58 ng/ml

Instrument :
FID_B
ClientSampleId :
100 GRO STD



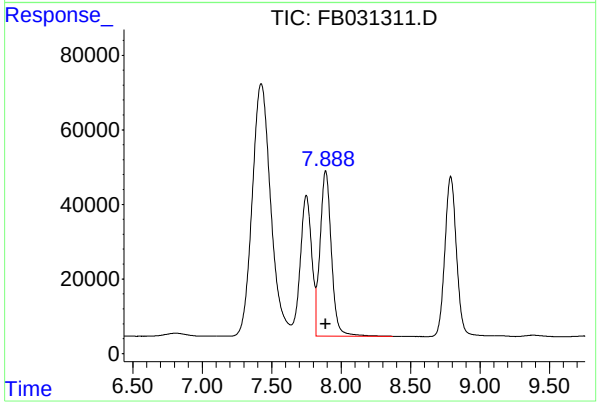
#2 2,2,4-Trimethylpentane

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



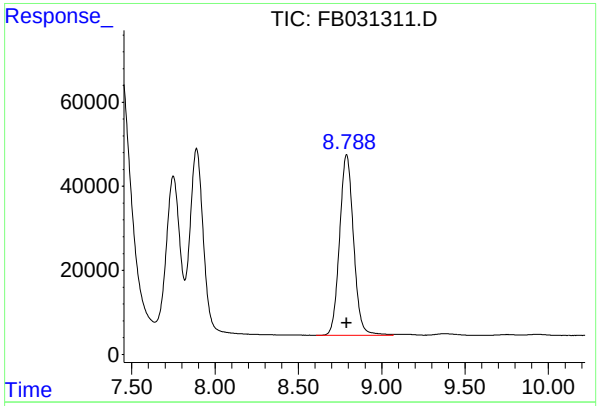
#3 n-Heptane

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



#4 Benzene

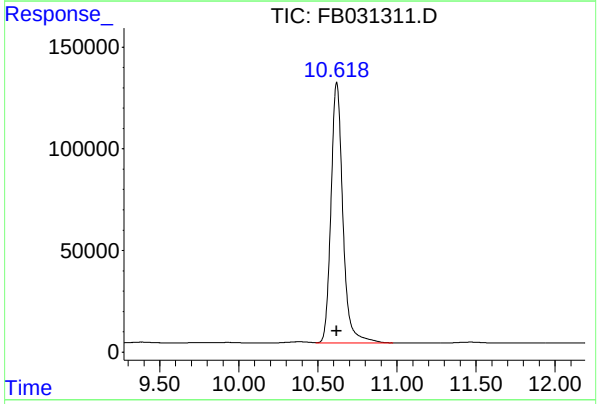
R.T.: 7.889 min
Delta R.T.: 0.000 min
Response: 2519199
Conc: 61.99 ng/ml



#5 AAA-TFT

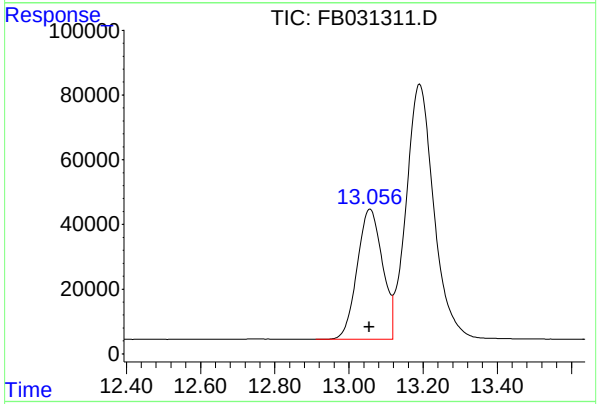
R.T.: 8.789 min
Delta R.T.: 0.000 min
Response: 2505507
Conc: 106.38 ng/ml

Instrument :
FID_B
ClientSampleId :
100 GRO STD



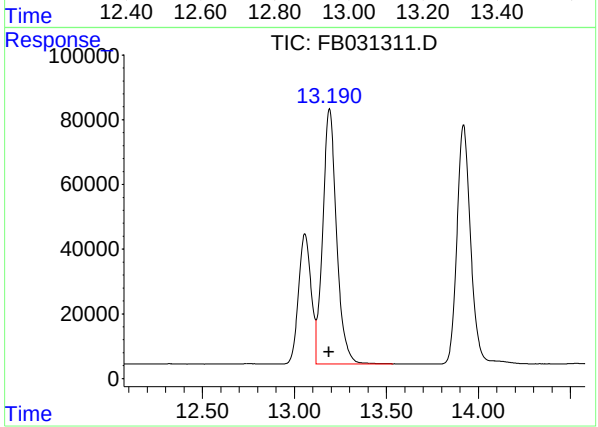
#6 Toluene

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



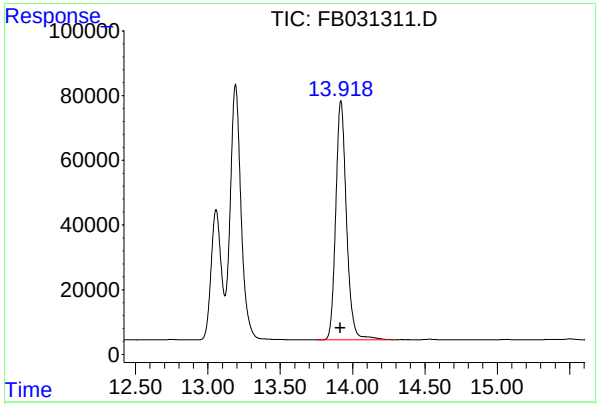
#7 Ethylbenzene

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



#8 m-Xylene

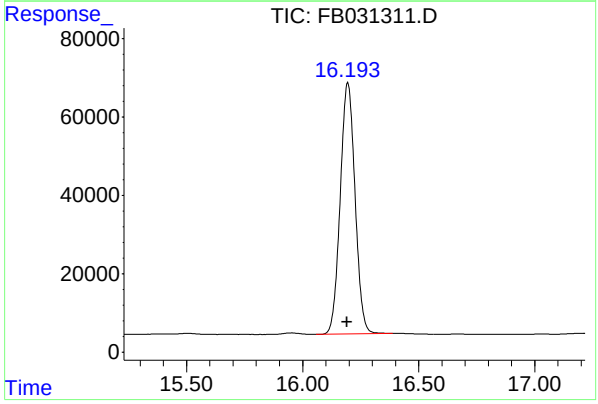
R.T.: 13.191 min
Delta R.T.: 0.003 min
Response: 4113116
Conc: 112.87 ng/ml



#9 O-Xylene

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

Instrument :
FID_B
ClientSampleId :
100 GRO STD



#10 1,2,4-Trimethylbenzene

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

rteres

Area Percent Report

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

Integration File: Calibration.e

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

Signal : FID2B.CH

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

Sum of corrected areas: 38519896

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

Quantitation Report (QT Reviewed)

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

Instrument :
FID_B
ClientSampleId :
FB011525GROICV

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

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

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

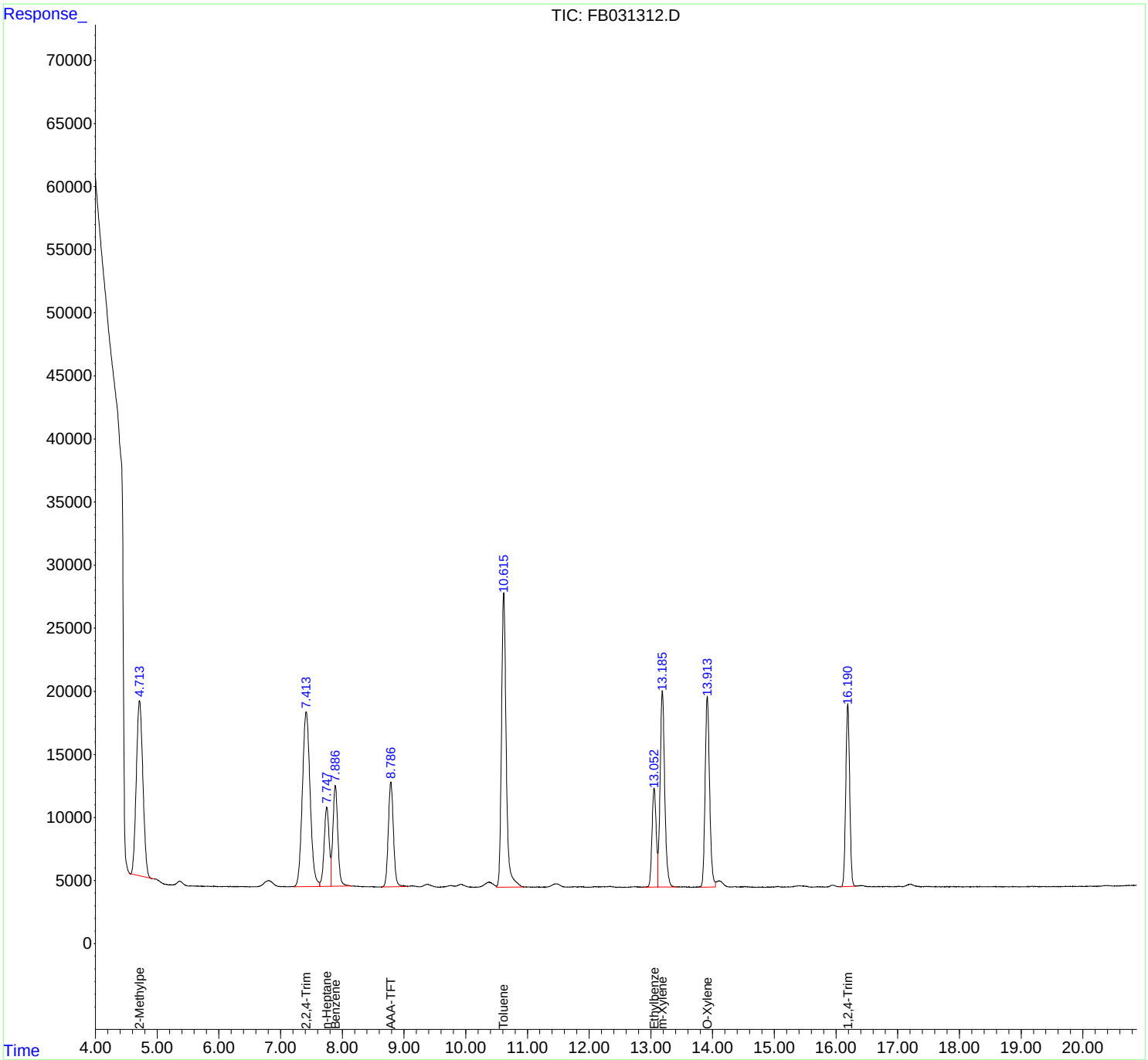
(f)=RT Delta > 1/2 Window (m)=manual int.

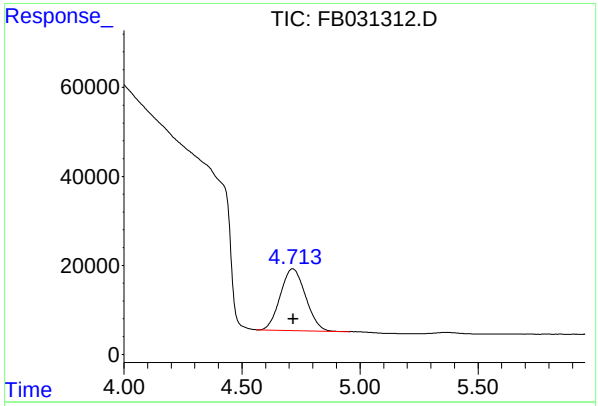
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011525\
Data File : FB031312.D
Signal(s) : FID2B.CH
Acq On : 15 Jan 2025 12:44
Operator : YP/AJ
Sample : FB011525GROICV
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
FB011525GROICV

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

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

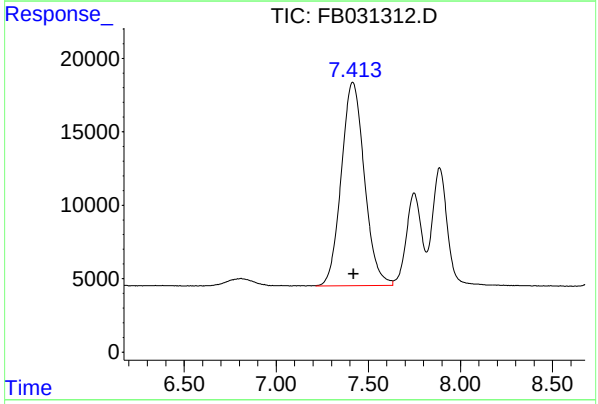




#1 2-Methylpentane

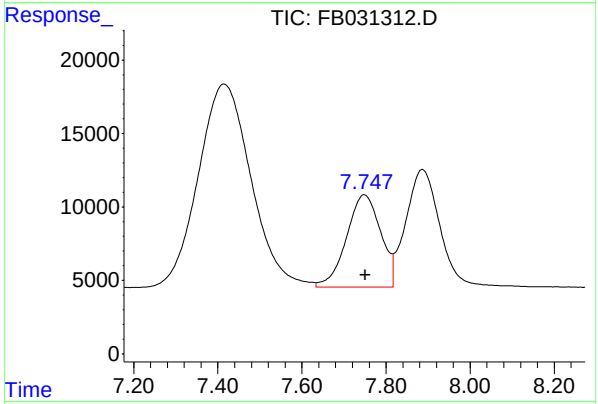
R.T.: 4.715 min
Delta R.T.: -0.003 min
Response: 1029585
Conc: 31.06 ng/ml

Instrument :
FID_B
ClientSampleId :
FB011525GROICV



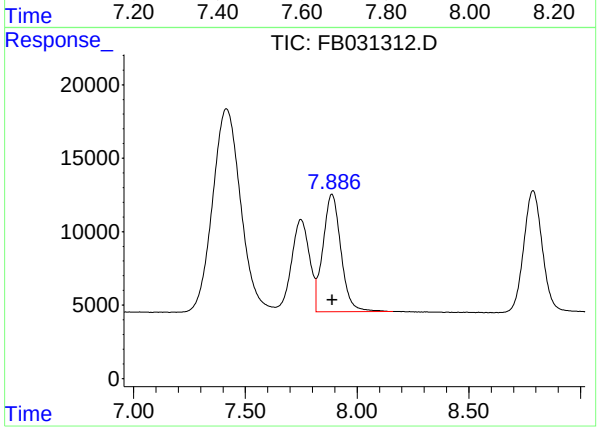
#2 2,2,4-Trimethylpentane

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



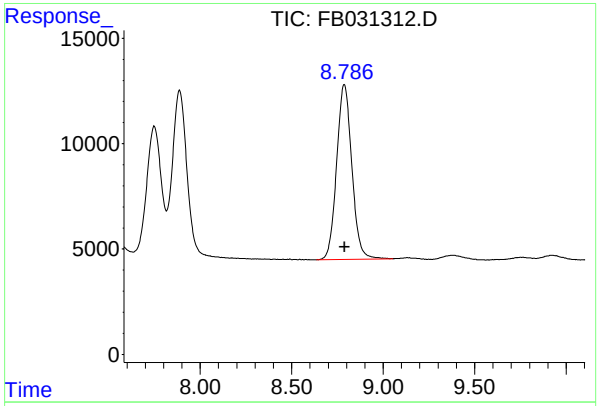
#3 n-Heptane

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



#4 Benzene

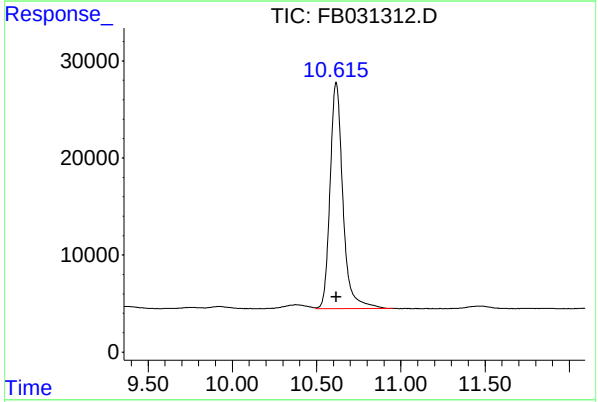
R.T.: 7.887 min
Delta R.T.: -0.003 min
Response: 448910
Conc: 10.54 ng/ml



#5 AAA-TFT

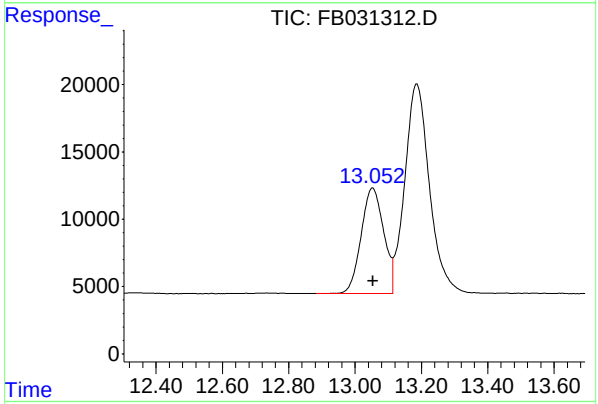
R.T.: 8.788 min
Delta R.T.: -0.002 min
Response: 479840
Conc: 20.12 ng/ml

Instrument :
FID_B
ClientSampleId :
FB011525GROICV



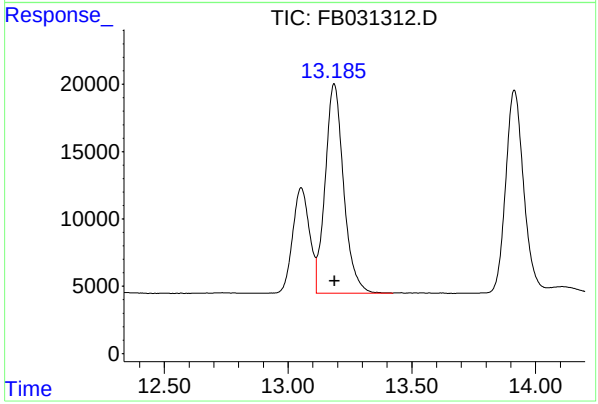
#6 Toluene

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



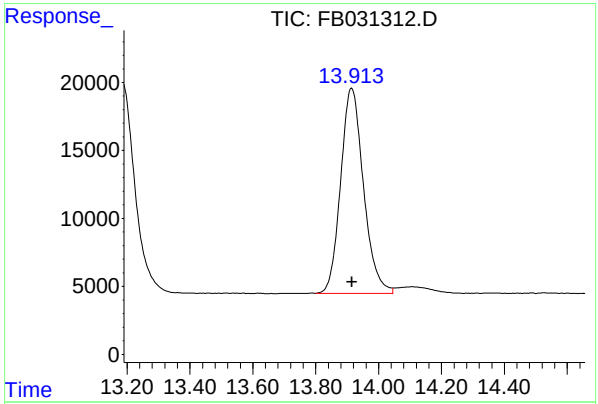
#7 Ethylbenzene

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



#8 m-Xylene

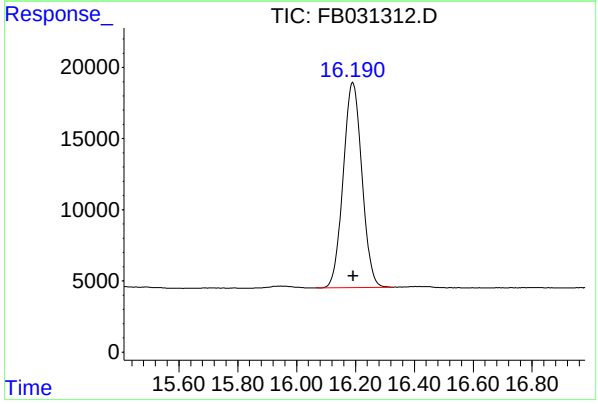
R.T.: 13.186 min
Delta R.T.: -0.002 min
Response: 805181
Conc: 21.54 ng/ml



#9 O-Xylene

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

Instrument :
FID_B
ClientSampleId :
FB011525GROICV



#10 1,2,4-Trimethylbenzene

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

rteres

Area Percent Report

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

Integration File: Calibration.e

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

Signal : FID2B.CH

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

Sum of corrected areas: 7326001

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

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

GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Chemtech Contract: RUTW01

ProjectID: NYCDDC SANTWOBR Brooklyn Bridge BBMCR

Lab Code: CHEM Case No.: Q1206 SAS No.: Q1206 SDG No.: Q1206

DataFile: FB031356.D Analyst Name: YP/AJ Analyst Date: 01-29-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	6971344	38730	35852	8.027

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB012925\
Data File : FB031356.D
Signal(s) : FID2B.CH
Acq On : 29 Jan 2025 8:39
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 30 00:54:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
5) s	AAA-TFT	8.789	453909	19.030	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.718	1077482	32.507	ng/ml
2) t	2,2,4-Trimethylpentane	7.416	1252352	33.300	ng/ml
3) t	n-Heptane	7.750	365142	10.115	ng/ml
4) t	Benzene	7.888	462078	10.849	ng/ml
6) t	Toluene	10.617	1252023	32.065	ng/ml
7) t	Ethylbenzene	13.054	375855	10.854	ng/ml
8) t	m-Xylene	13.188	804125	21.513	ng/ml
9) t	O-Xylene	13.917	756575	21.244	ng/ml
10) t	1,2,4-Trimethylbenzene	16.194	625712	22.094	ng/ml

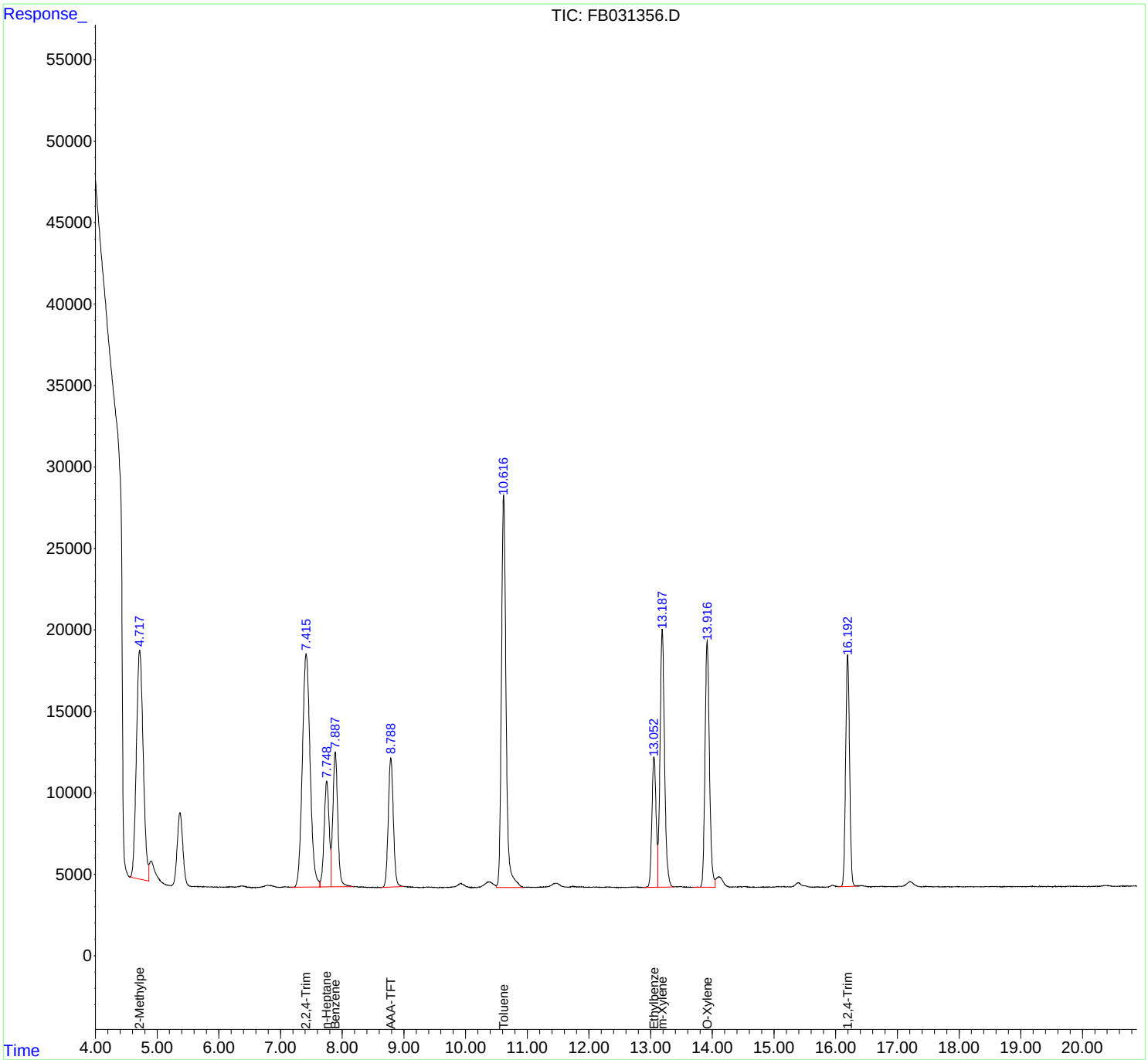
(f)=RT Delta > 1/2 Window (m)=manual int.

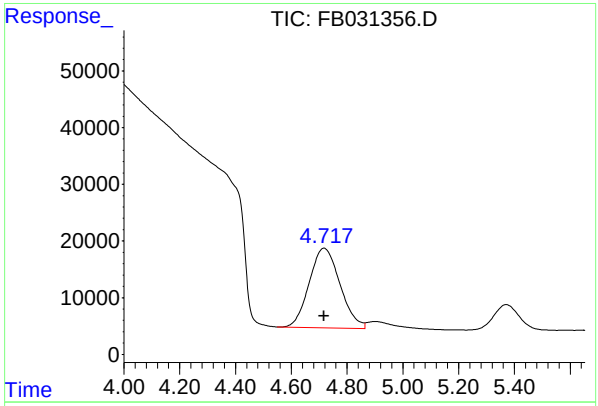
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB012925\
Data File : FB031356.D
Signal(s) : FID2B.CH
Acq On : 29 Jan 2025 8:39
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Jan 30 00:54:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

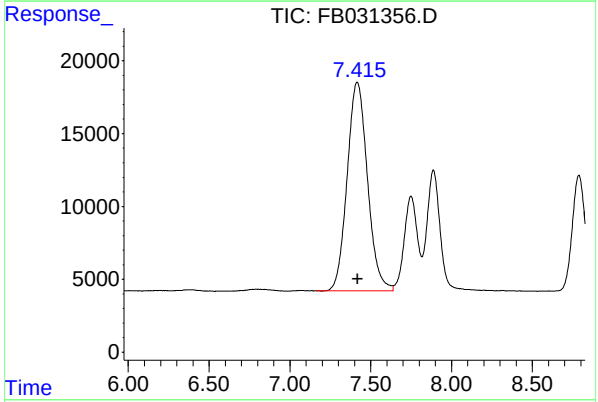




#1 2-Methylpentane

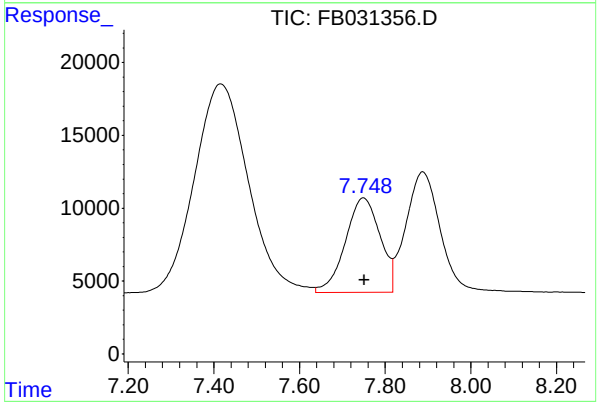
R.T.: 4.718 min
Delta R.T.: 0.000 min
Response: 1077482
Conc: 32.51 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



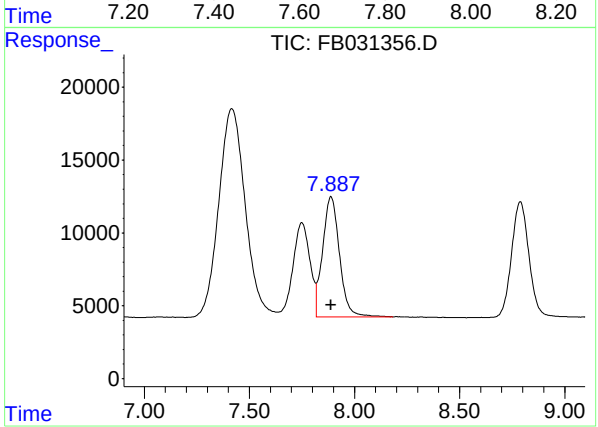
#2 2,2,4-Trimethylpentane

R.T.: 7.416 min
Delta R.T.: -0.004 min
Response: 1252352
Conc: 33.30 ng/ml



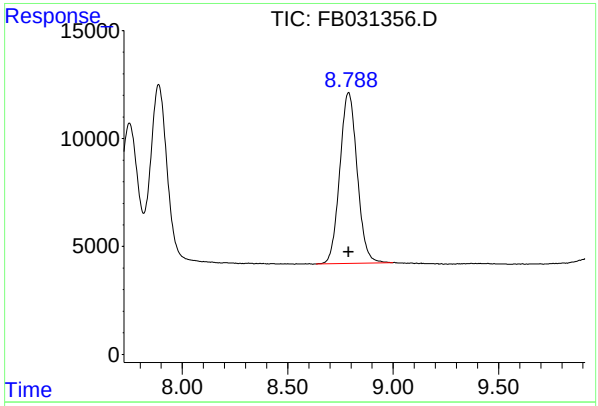
#3 n-Heptane

R.T.: 7.750 min
Delta R.T.: -0.002 min
Response: 365142
Conc: 10.11 ng/ml



#4 Benzene

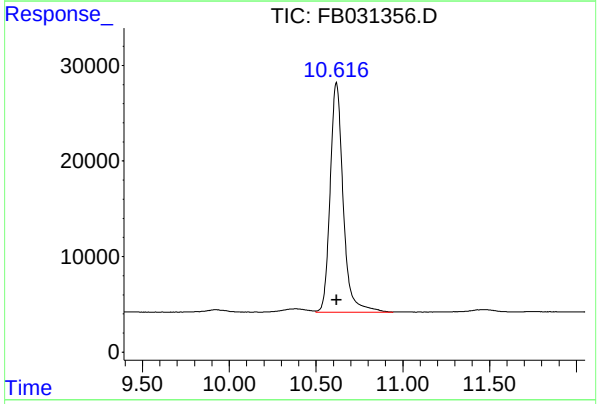
R.T.: 7.888 min
Delta R.T.: -0.002 min
Response: 462078
Conc: 10.85 ng/ml



#5 AAA-TFT

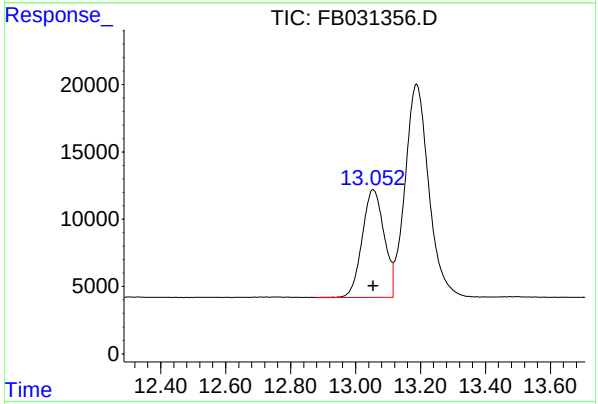
R.T.: 8.789 min
Delta R.T.: 0.000 min
Response: 453909
Conc: 19.03 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



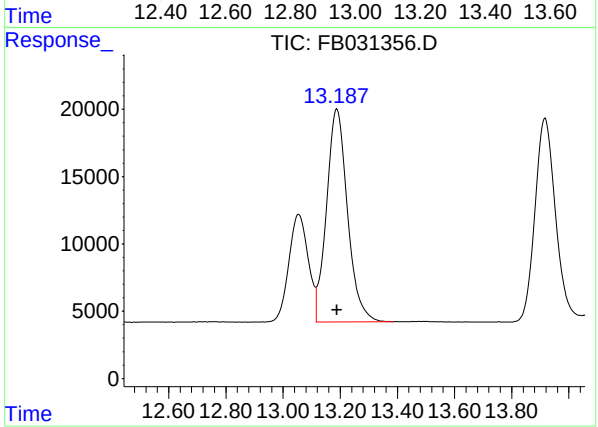
#6 Toluene

R.T.: 10.617 min
Delta R.T.: 0.000 min
Response: 1252023
Conc: 32.06 ng/ml



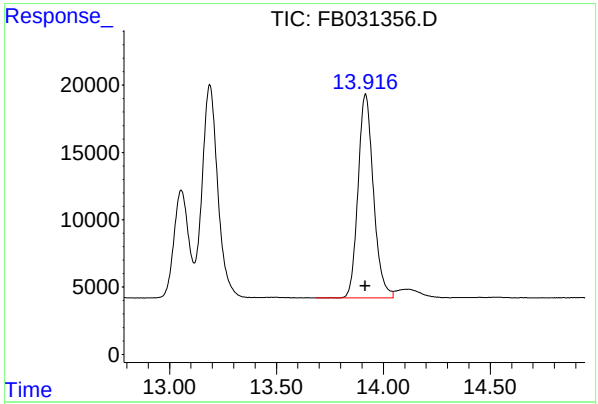
#7 Ethylbenzene

R.T.: 13.054 min
Delta R.T.: 0.000 min
Response: 375855
Conc: 10.85 ng/ml



#8 m-Xylene

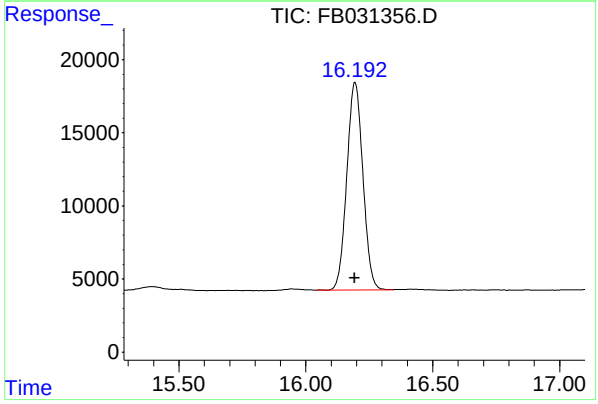
R.T.: 13.188 min
Delta R.T.: 0.000 min
Response: 804125
Conc: 21.51 ng/ml



#9 O-Xylene

R.T.: 13.917 min
Delta R.T.: 0.000 mi
Response: 756575
Conc: 21.24 ng/m

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



#10 1,2,4-Trimethylbenzene

R.T.: 16.194 min
Delta R.T.: 0.002 min
Response: 625712
Conc: 22.09 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB012925\
Data File : FB031356.D
Signal(s) : FID2B.CH
Acq On : 29 Jan 2025 8:39
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	4.718	4.548	4.864	BV	14048	1077482	86.04%	14.511%
2	7.416	7.161	7.638	PV	14327	1252352	100.00%	16.866%
3	7.750	7.638	7.818	VV	6489	365142	29.16%	4.918%
4	7.888	7.818	8.183	VV	8274	462078	36.90%	6.223%
5	8.789	8.634	8.999	BV	7932	453909	36.24%	6.113%
6	10.617	10.499	10.942	VV	24050	1252023	99.97%	16.862%
7	13.054	12.879	13.116	BV	8002	375855	30.01%	5.062%
8	13.188	13.116	13.385	VV	15835	804125	64.21%	10.830%
9	13.917	13.686	14.046	BV	15157	756575	60.41%	10.189%
10	16.194	16.041	16.344	PV	14213	625712	49.96%	8.427%

Sum of corrected areas: 7425252

FB011525.M Thu Jan 30 01:12:42 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.: Q1206 SAS No.: Q1206 SDG No.: Q1206

DataFile: FB031368.D Analyst Name: YP/AJ Analyst Date: 01-29-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	6618938	36772	35852	2.566

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB012925\
Data File : FB031368.D
Signal(s) : FID2B.CH
Acq On : 29 Jan 2025 14:34
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: Calibration.e
Quant Time: Jan 30 00:55:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :Ankita Jodhani 01/30/2025

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
5) s	AAA-TFT	8.795	494305	20.723	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.723	1018524	30.729	ng/ml
2) t	2,2,4-Trimethylpentane	7.427	1136016	30.207	ng/ml
3) t	n-Heptane	7.757	377778	10.465	ng/ml
4) t	Benzene	7.895	449792	10.561	ng/ml
6) t	Toluene	10.625	1239860	31.753	ng/ml
7) t	Ethylbenzene	13.062	352855	10.190	ng/ml
8) t	m-Xylene	13.196	759627	20.322	ng/ml
9) t	O-Xylene	13.922	719054	20.190	ng/mlm
10) t	1,2,4-Trimethylbenzene	16.200	565432	19.965	ng/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB012925\
Data File : FB031368.D
Signal(s) : FID2B.CH
Acq On : 29 Jan 2025 14:34
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 13 Sample Multiplier: 1

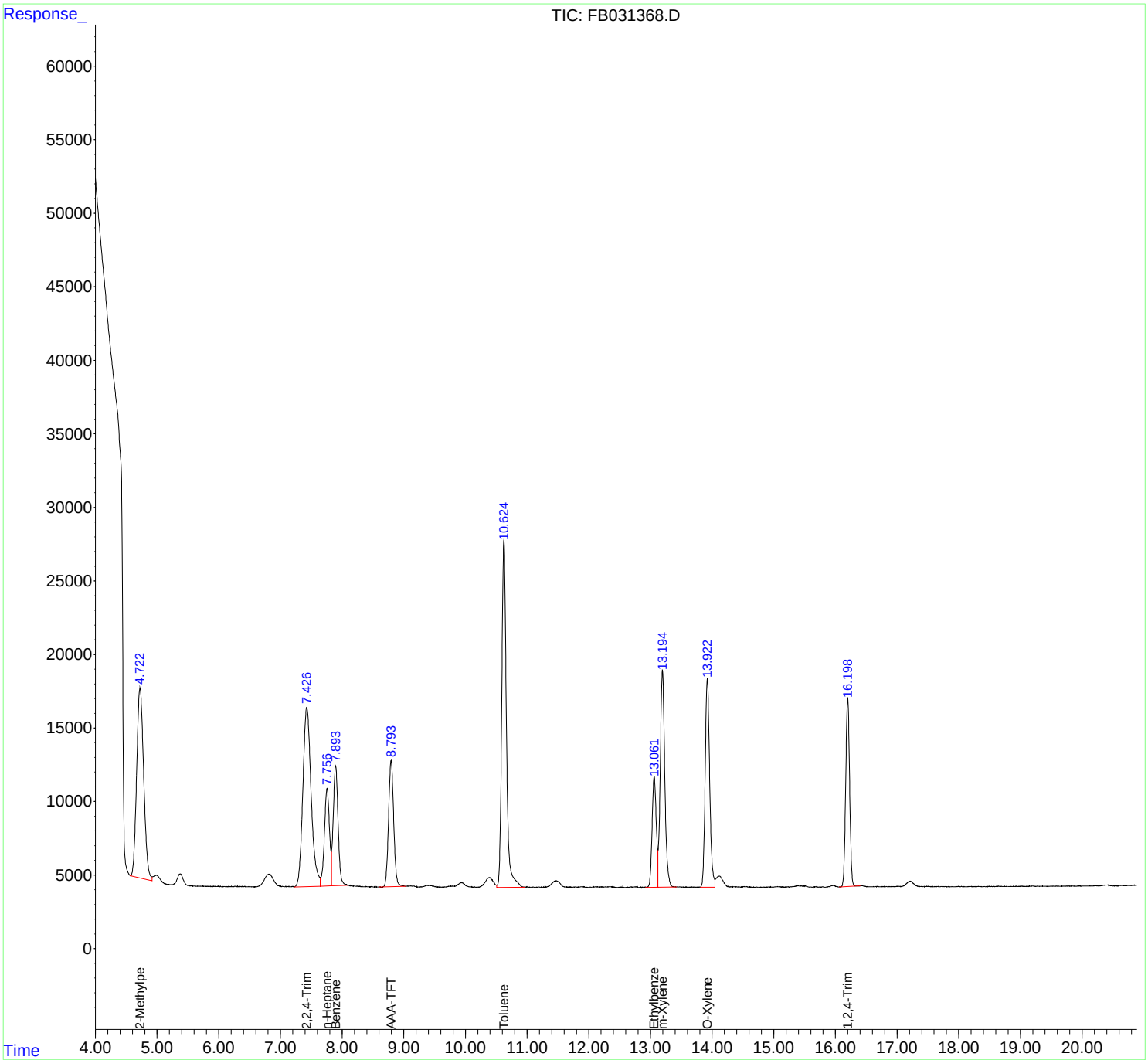
Integration File: Calibration.e
Quant Time: Jan 30 00:55:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

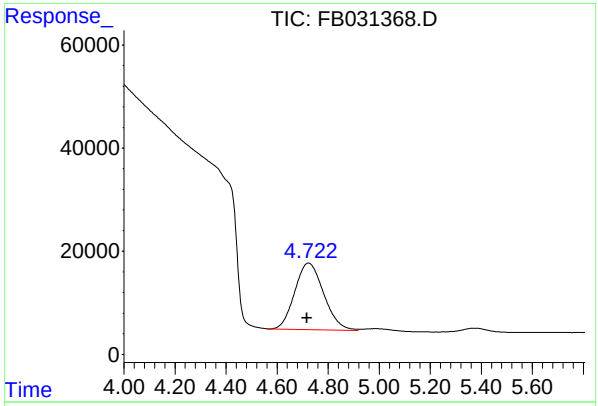
Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :Ankita Jodhani 01/30/2025





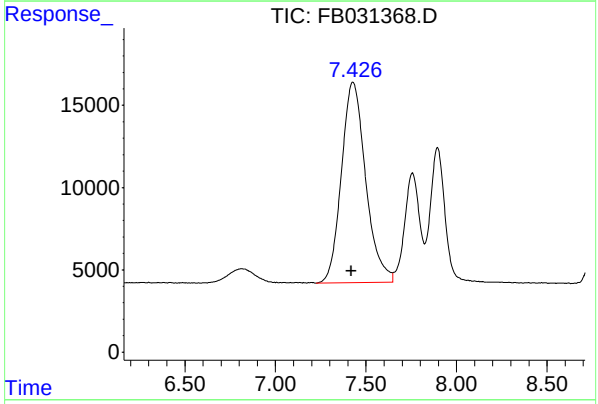
#1 2-Methylpentane

R.T.: 4.723 min
Delta R.T.: 0.005 min
Response: 1018524
Conc: 30.73 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

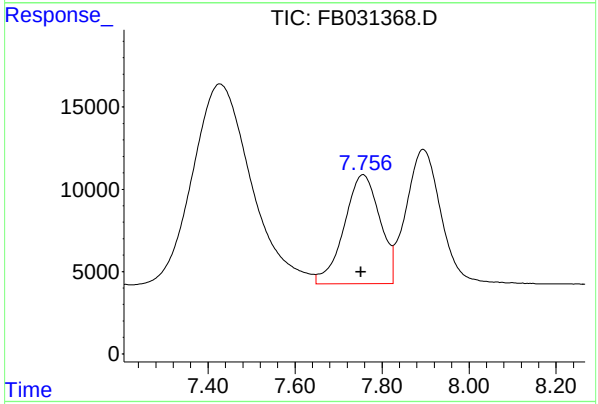
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :Ankita Jodhani 01/30/2025



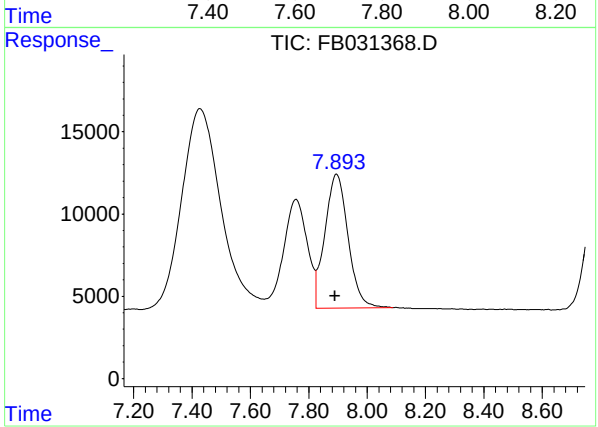
#2 2,2,4-Trimethylpentane

R.T.: 7.427 min
Delta R.T.: 0.008 min
Response: 1136016
Conc: 30.21 ng/ml



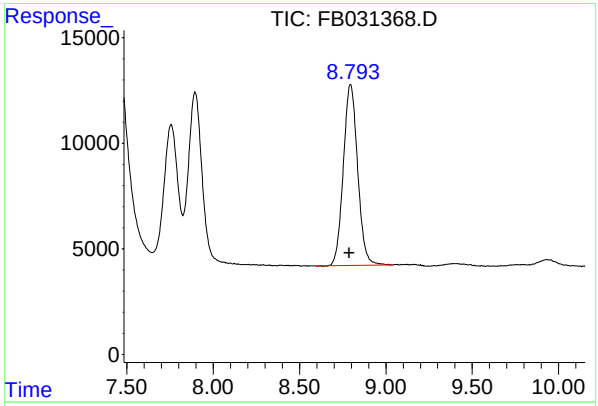
#3 n-Heptane

R.T.: 7.757 min
Delta R.T.: 0.006 min
Response: 377778
Conc: 10.47 ng/ml



#4 Benzene

R.T.: 7.895 min
Delta R.T.: 0.005 min
Response: 449792
Conc: 10.56 ng/ml



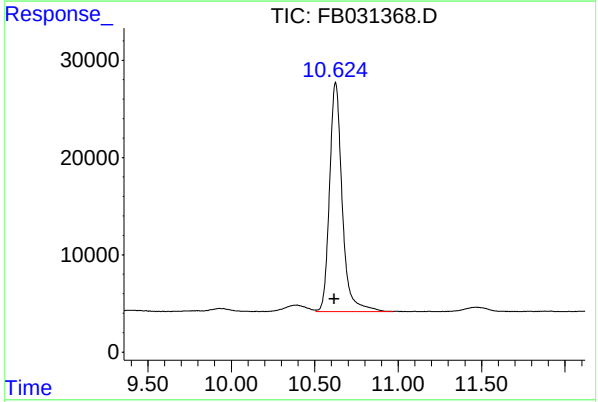
#5 AAA-TFT

R.T.: 8.795 min
Delta R.T.: 0.005 min
Response: 494305
Conc: 20.72 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

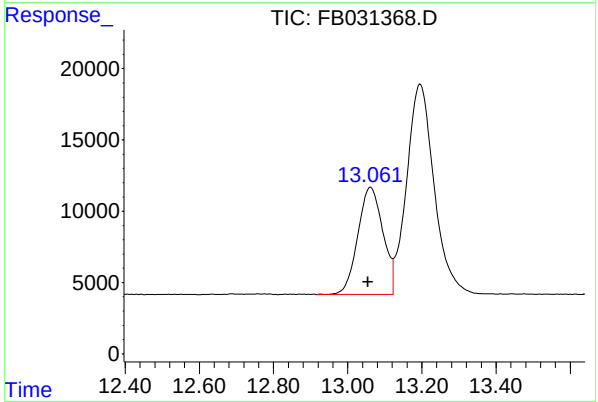
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :Ankita Jodhani 01/30/2025



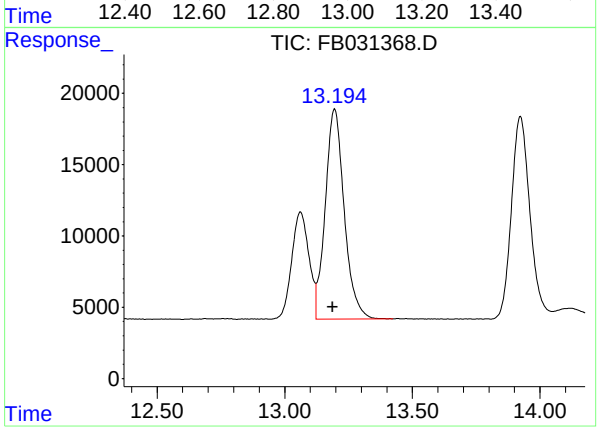
#6 Toluene

R.T.: 10.625 min
Delta R.T.: 0.007 min
Response: 1239860
Conc: 31.75 ng/ml



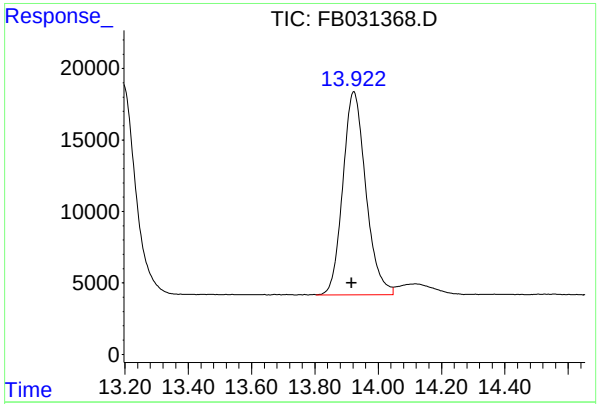
#7 Ethylbenzene

R.T.: 13.062 min
Delta R.T.: 0.008 min
Response: 352855
Conc: 10.19 ng/ml



#8 m-Xylene

R.T.: 13.196 min
Delta R.T.: 0.008 min
Response: 759627
Conc: 20.32 ng/ml



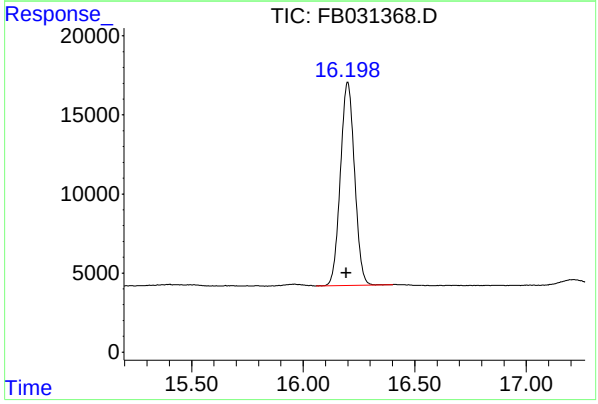
#9 O-Xylene

R.T.: 13.922 min
Delta R.T.: 0.006 min
Response: 719054
Conc: 20.19 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :Ankita Jodhani 01/30/2025



#10 1,2,4-Trimethylbenzene

R.T.: 16.200 min
Delta R.T.: 0.008 min
Response: 565432
Conc: 19.97 ng/ml

Instrument :
FID_B
LabSampleId :
20 PPB GRO STD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :Ankita Jodhani 01/30/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB01292
Data File : FB031368.D
Signal(s) : FID2B.CH
Acq On : 29 Jan 2025 14:34
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: Calibration.e

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

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.723	4.559	4.916	BV	12926	1018524	82.15%	14.323%
2	7.427	7.223	7.648	PV	12192	1136016	91.62%	15.975%
3	7.757	7.648	7.825	VV	6634	377778	30.47%	5.312%
4	7.895	7.825	8.089	VV	8151	449792	36.28%	6.325%
5	8.795	8.595	9.041	BV	8577	494305	39.87%	6.951%
6	10.625	10.508	10.969	VV	23568	1239860	100.00%	17.435%
7	13.062	12.915	13.122	BV	7523	352855	28.46%	4.962%
8	13.196	13.122	13.424	VV	14752	759627	61.27%	10.682%
9	13.923	13.622	14.048	BV	14213	717081	57.84%	10.084%
10	16.200	16.057	16.403	PBA	12857	565432	45.60%	7.951%

Sum of corrected areas: 7111270

FB011525.M Thu Jan 30 01:18:35 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.: Q1206 SAS No.: Q1206 SDG No.: Q1206

DataFile: FB031374.D Analyst Name: YP/AJ Analyst Date: 01-29-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	6660371	37002	35852	3.208

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB012925\
Data File : FB031374.D
Signal(s) : FID2B.CH
Acq On : 29 Jan 2025 17:15
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Jan 30 00:56:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
5) s	AAA-TFT	8.794	478743	20.071	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.721	988724	29.830	ng/ml
2) t	2,2,4-Trimethylpentane	7.426	1169052	31.086	ng/ml
3) t	n-Heptane	7.756	375151	10.392	ng/ml
4) t	Benzene	7.894	464489	10.906	ng/ml
6) t	Toluene	10.623	1246208	31.916	ng/ml
7) t	Ethylbenzene	13.059	356062	10.282	ng/ml
8) t	m-Xylene	13.193	767335	20.528	ng/ml
9) t	O-Xylene	13.922	722806	20.296	ng/ml
10) t	1,2,4-Trimethylbenzene	16.198	570544	20.146	ng/ml

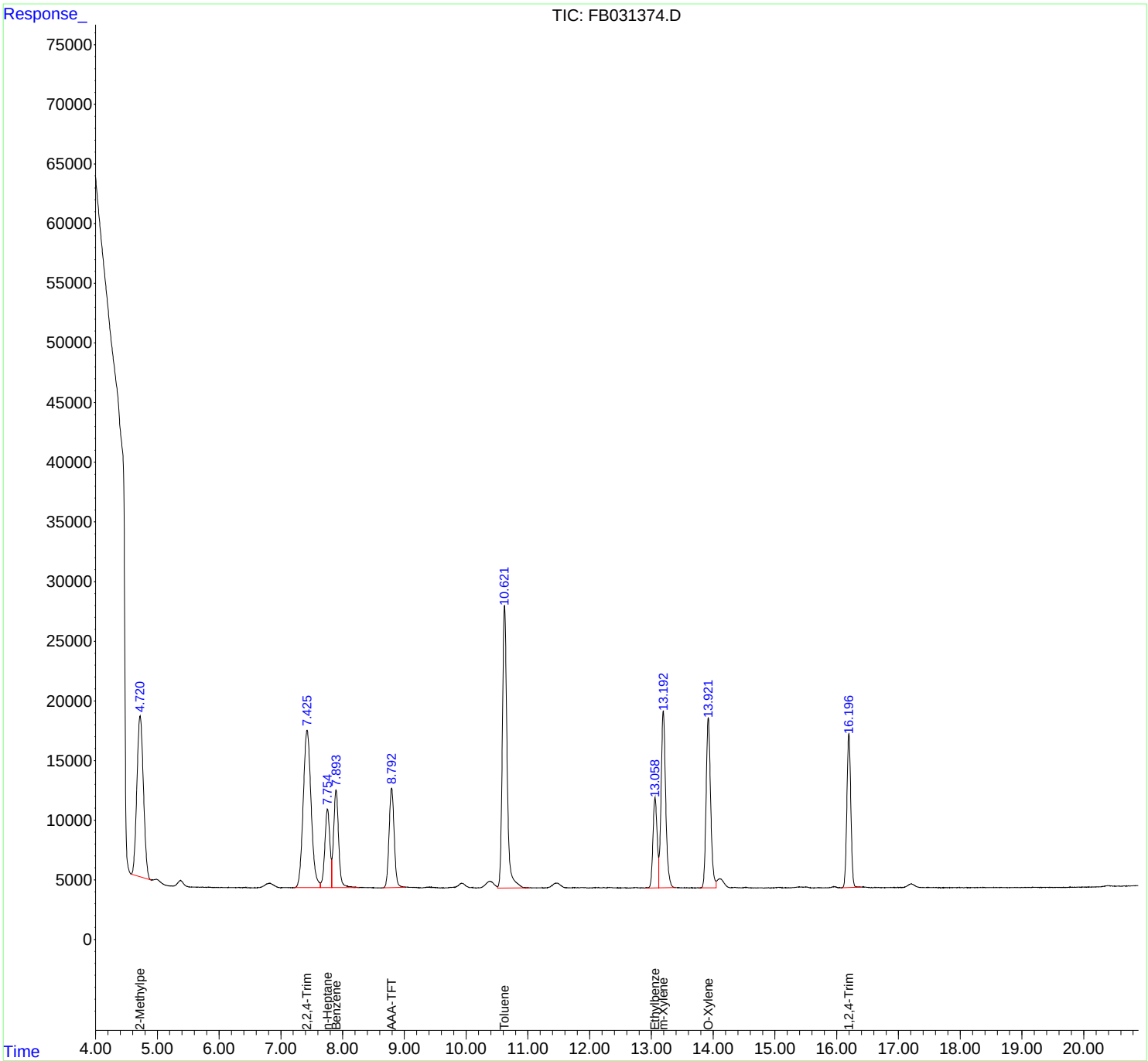
(f)=RT Delta > 1/2 Window (m)=manual int.

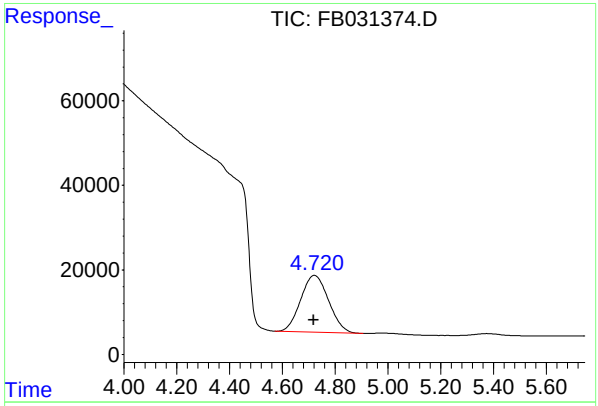
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB012925\
Data File : FB031374.D
Signal(s) : FID2B.CH
Acq On : 29 Jan 2025 17:15
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Jan 30 00:56:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

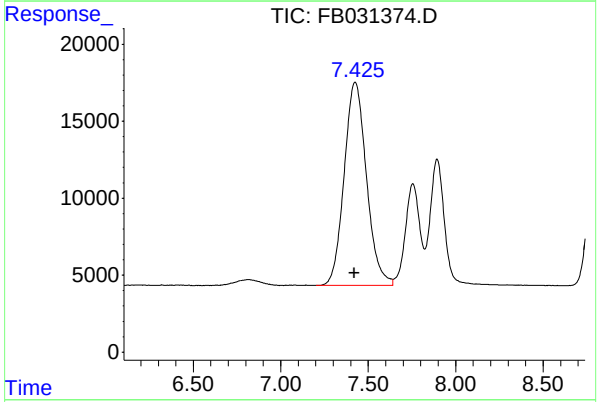




#1 2-Methylpentane

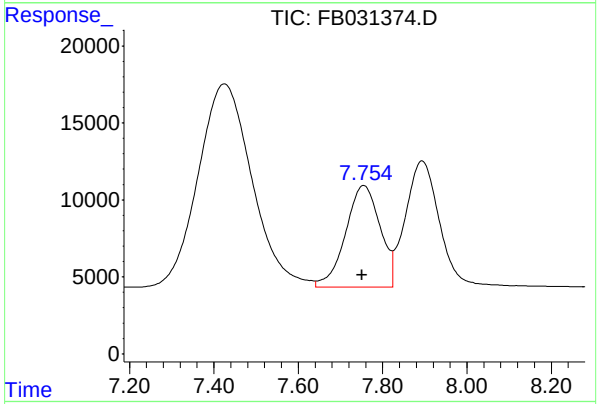
R.T.: 4.721 min
Delta R.T.: 0.003 min
Response: 988724
Conc: 29.83 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



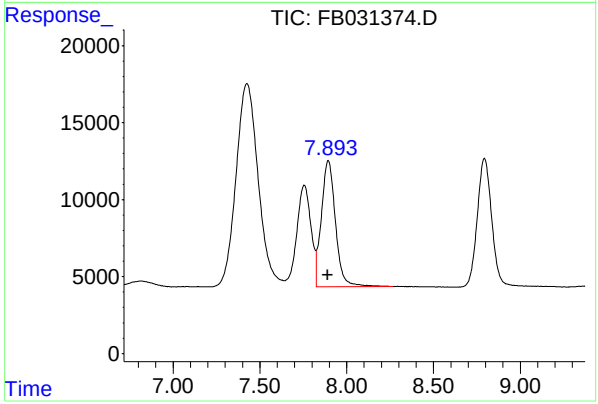
#2 2,2,4-Trimethylpentane

R.T.: 7.426 min
Delta R.T.: 0.006 min
Response: 1169052
Conc: 31.09 ng/ml



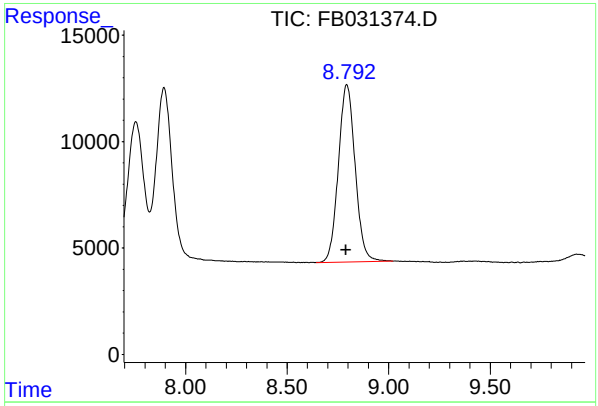
#3 n-Heptane

R.T.: 7.756 min
Delta R.T.: 0.004 min
Response: 375151
Conc: 10.39 ng/ml



#4 Benzene

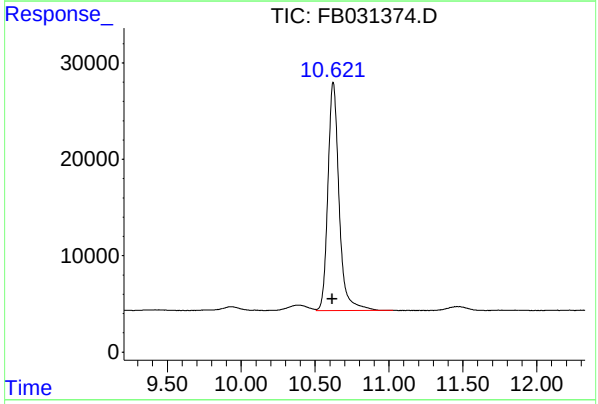
R.T.: 7.894 min
Delta R.T.: 0.004 min
Response: 464489
Conc: 10.91 ng/ml



#5 AAA-TFT

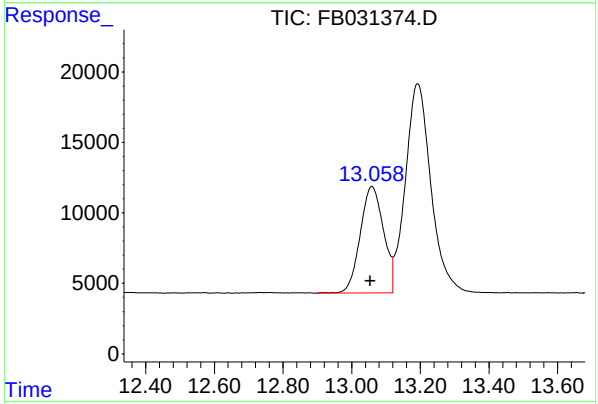
R.T.: 8.794 min
Delta R.T.: 0.004 min
Response: 478743
Conc: 20.07 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



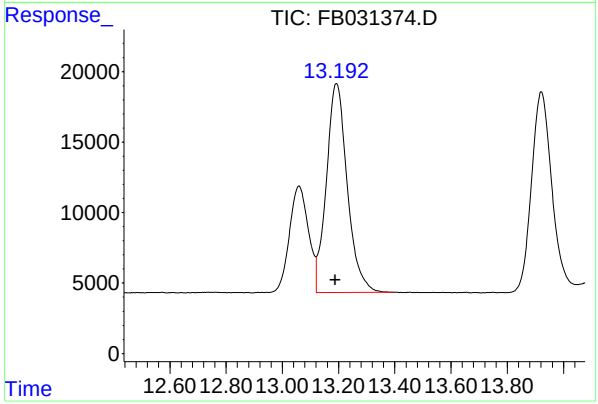
#6 Toluene

R.T.: 10.623 min
Delta R.T.: 0.005 min
Response: 1246208
Conc: 31.92 ng/ml



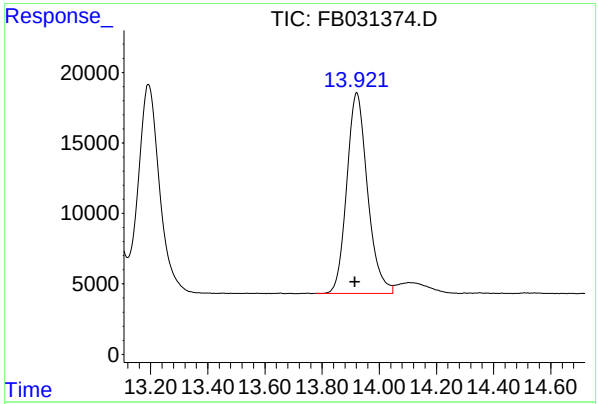
#7 Ethylbenzene

R.T.: 13.059 min
Delta R.T.: 0.005 min
Response: 356062
Conc: 10.28 ng/ml



#8 m-Xylene

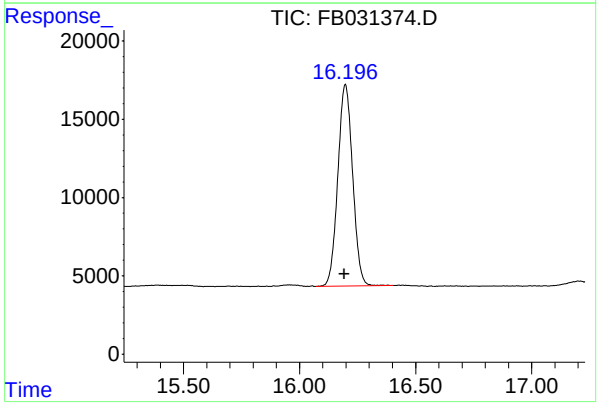
R.T.: 13.193 min
Delta R.T.: 0.005 min
Response: 767335
Conc: 20.53 ng/ml



#9 O-Xylene

R.T.: 13.922 min
Delta R.T.: 0.006 min
Response: 722806
Conc: 20.30 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



#10 1,2,4-Trimethylbenzene

R.T.: 16.198 min
Delta R.T.: 0.006 min
Response: 570544
Conc: 20.15 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB012925\
Data File : FB031374.D
Signal(s) : FID2B.CH
Acq On : 29 Jan 2025 17:15
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File: Calibration.e

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

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.721	4.571	4.907	BV	13470	988724	79.34%	13.849%
2	7.426	7.201	7.641	BV	13200	1169052	93.81%	16.375%
3	7.756	7.641	7.824	VV	6601	375151	30.10%	5.255%
4	7.894	7.824	8.267	VV	8199	464489	37.27%	6.506%
5	8.794	8.642	9.021	PV	8342	478743	38.42%	6.706%
6	10.623	10.507	11.028	VV	23691	1246208	100.00%	17.456%
7	13.059	12.896	13.120	BV	7575	356062	28.57%	4.987%
8	13.193	13.120	13.394	VV	14829	767335	61.57%	10.748%
9	13.922	13.778	14.047	BV	14254	722806	58.00%	10.125%
10	16.198	16.071	16.403	PBA	12888	570544	45.78%	7.992%

Sum of corrected areas: 7139115

FB011525.M Thu Jan 30 01:19:50 2025

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

Analytical Sequence

Client: RU2 Engineering, LLC **SDG No.:** Q1206

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	29 Jan 2025 8:39	FB031356.D	8.789	
VBF0129S1	VBF0129S1	29 Jan 2025 9:17	FB031357.D	8.793	
BSF0129S1	BSF0129S1	29 Jan 2025 10:11	FB031359.D	8.796	
BSF0129S2	BSF0129S2	29 Jan 2025 14:07	FB031367.D	8.795	
20 PPB GRO STD	20 PPB GRO STD	29 Jan 2025 14:34	FB031368.D	8.795	
JPP-20.1-012725	Q1206-01	29 Jan 2025 15:01	FB031369.D	8.795	
JPP-16.3-012725	Q1206-05	29 Jan 2025 15:28	FB031370.D	8.795	
20 PPB GRO STD	20 PPB GRO STD	29 Jan 2025 17:15	FB031374.D	8.794	

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

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

QC SAMPLE DATA

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	VBF0129S1	SDG No.:	Q1206
Lab Sample ID:	VBF0129S1	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
FB031357.D	1	01/29/25 9:17	FB012925

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	17.1		50 - 150	86%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB012925\
Data File : FB031357.D
Signal(s) : FID2B.CH
Acq On : 29 Jan 2025 9:17
Operator : YP/AJ
Sample : VBF0129S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0129S1

Integration File: Calibration.e
Quant Time: Jan 30 00:54:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
System Monitoring Compounds				
5) s	AAA-TFT	8.793	408277	17.117 ng/ml
Target Compounds				

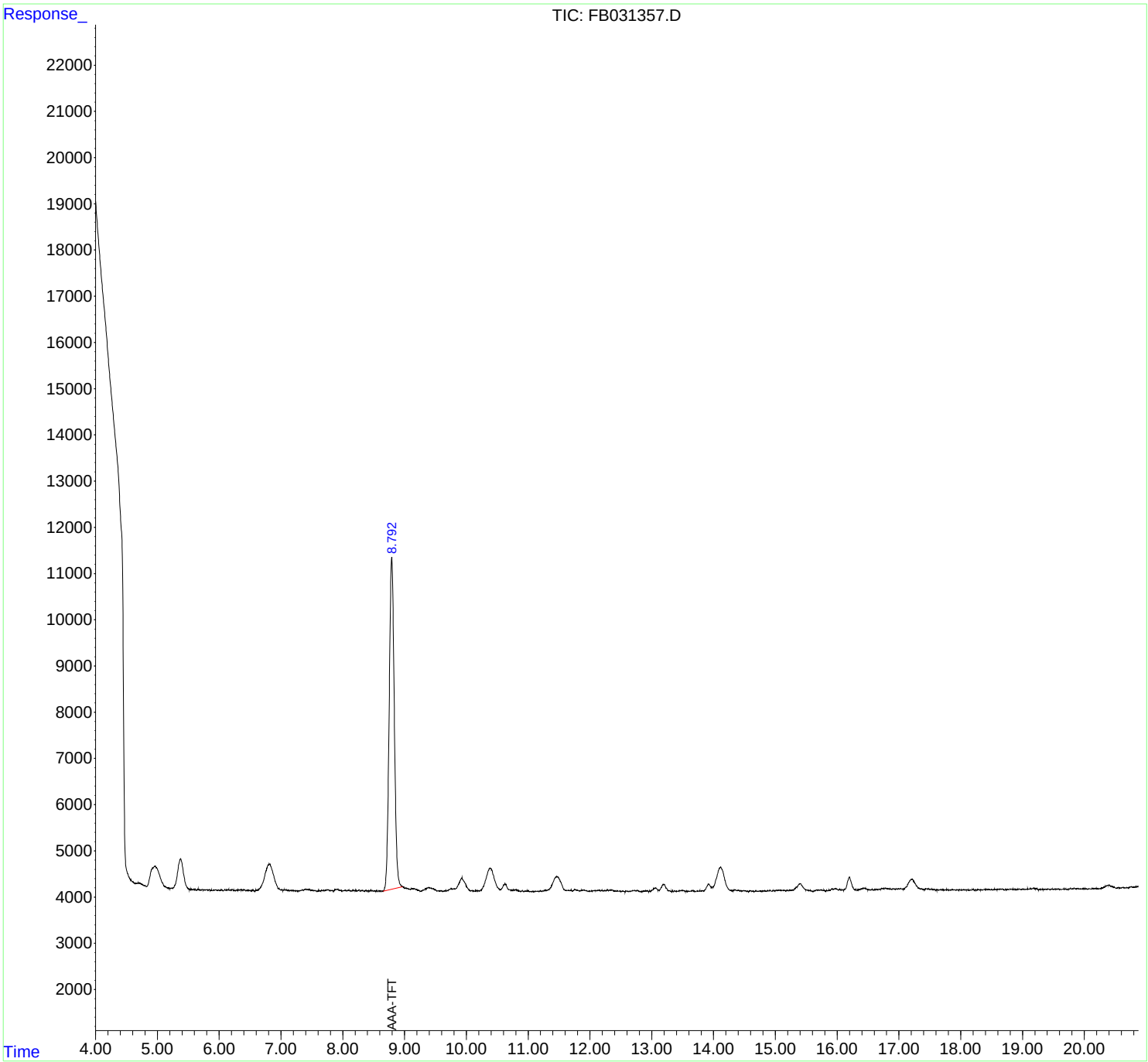
(f)=RT Delta > 1/2 Window (m)=manual int.

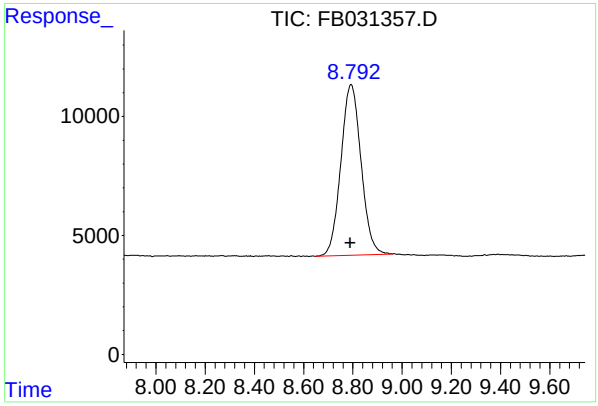
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB012925\
Data File : FB031357.D
Signal(s) : FID2B.CH
Acq On : 29 Jan 2025 9:17
Operator : YP/AJ
Sample : VBF0129S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0129S1

Integration File: Calibration.e
Quant Time: Jan 30 00:54:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#5 AAA-TFT

R.T.: 8.793 min
Delta R.T.: 0.004 mi
Response: 408277
Conc: 17.12 ng/m

Instrument :
FID_B
ClientSampleId :
VBF0129S1

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB012925\
Data File : FB031357.D
Signal(s) : FID2B.CH
Acq On : 29 Jan 2025 9:17
Sample : VBF0129S1
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	8.793	8.650	8.963	PV	7183	408277	100.00%	100.000%
			Sum of corrected areas:			408277		

FB011525.M Thu Jan 30 01:12:57 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:	BSF0129S1	SDG No.:	Q1206
Lab Sample ID:	BSF0129S1	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
FB031359.D	1	01/29/25 10:11	FB012925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	205		8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	18.9		50 - 150	94%	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\FB012925\
Data File : FB031359.D
Signal(s) : FID2B.CH
Acq On : 29 Jan 2025 10:11
Operator : YP/AJ
Sample : BSF0129S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0129S1

Integration File: Calibration.e
Quant Time: Jan 30 00:54:26 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	8.796	449771	18.856	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.725	1097270	33.104	ng/ml
2) t	2,2,4-Trimethylpentane	7.429	1275242	33.909	ng/ml
3) t	n-Heptane	7.758	422770	11.711	ng/ml
4) t	Benzene	7.897	507495	11.916	ng/ml
6) t	Toluene	10.625	1375333	35.223	ng/ml
7) t	Ethylbenzene	13.062	394134	11.382	ng/ml
8) t	m-Xylene	13.195	845835	22.628	ng/ml
9) t	O-Xylene	13.923	797770	22.401	ng/ml
10) t	1,2,4-Trimethylbenzene	16.200	631208	22.288	ng/ml

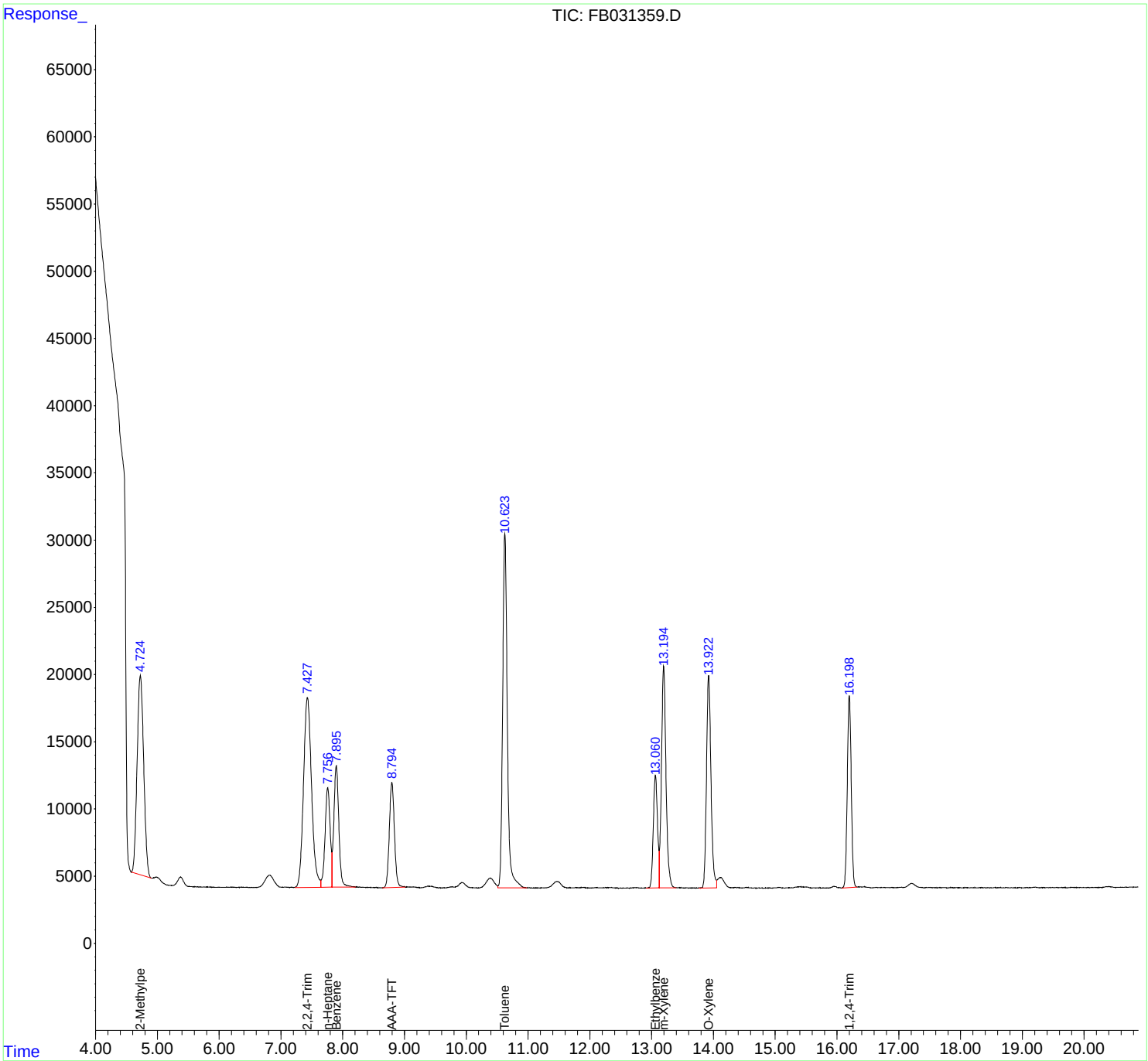
(f)=RT Delta > 1/2 Window (m)=manual int.

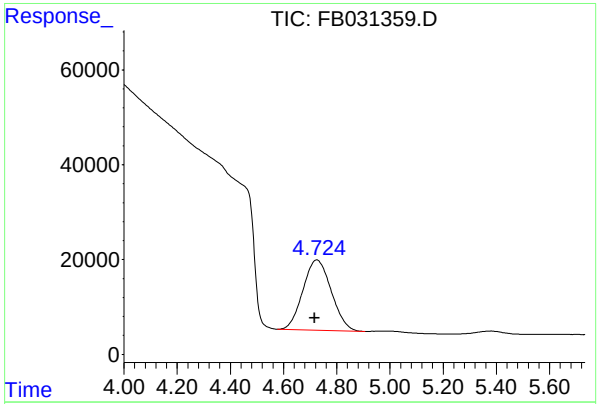
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB012925\
Data File : FB031359.D
Signal(s) : FID2B.CH
Acq On : 29 Jan 2025 10:11
Operator : YP/AJ
Sample : BSF0129S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0129S1

Integration File: Calibration.e
Quant Time: Jan 30 00:54:26 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

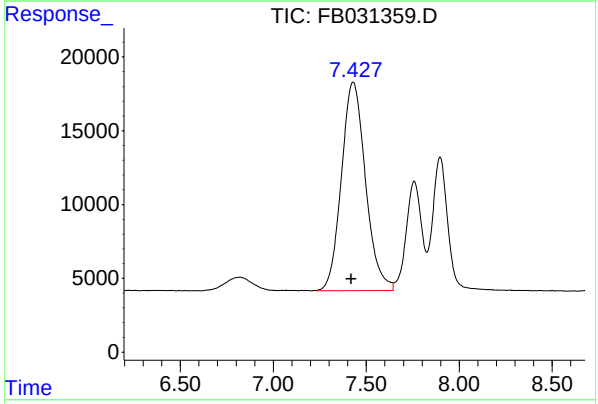




#1 2-Methylpentane

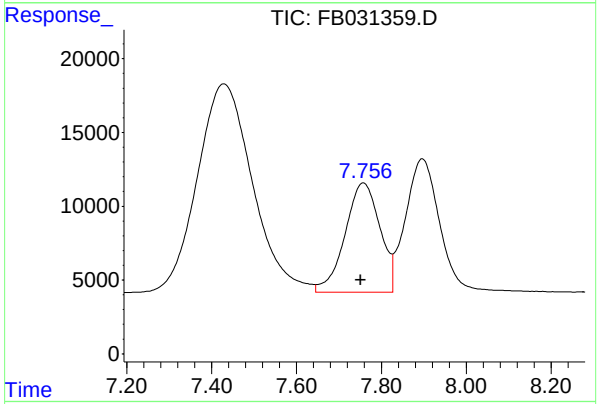
R.T.: 4.725 min
Delta R.T.: 0.007 min
Response: 1097270
Conc: 33.10 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0129S1



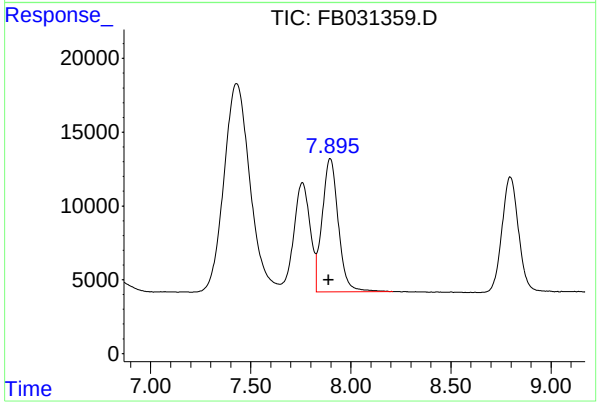
#2 2,2,4-Trimethylpentane

R.T.: 7.429 min
Delta R.T.: 0.009 min
Response: 1275242
Conc: 33.91 ng/ml



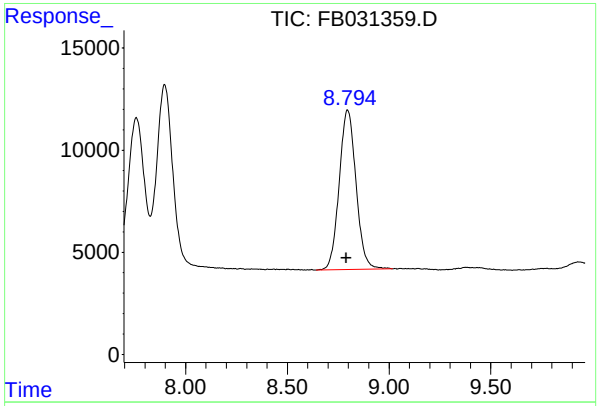
#3 n-Heptane

R.T.: 7.758 min
Delta R.T.: 0.007 min
Response: 422770
Conc: 11.71 ng/ml



#4 Benzene

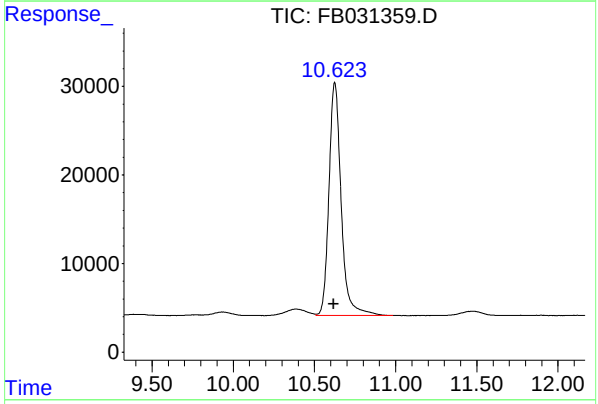
R.T.: 7.897 min
Delta R.T.: 0.007 min
Response: 507495
Conc: 11.92 ng/ml



#5 AAA-TFT

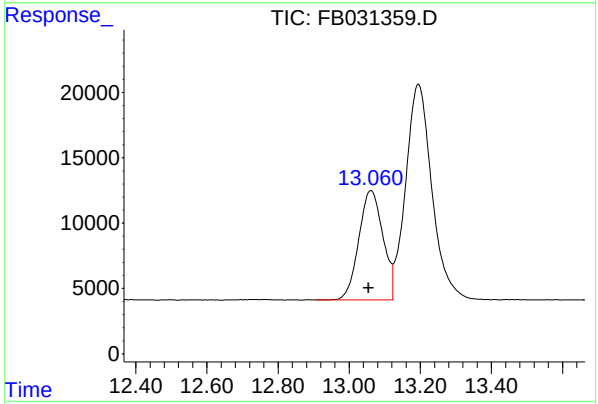
R.T.: 8.796 min
Delta R.T.: 0.006 min
Response: 449771
Conc: 18.86 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0129S1



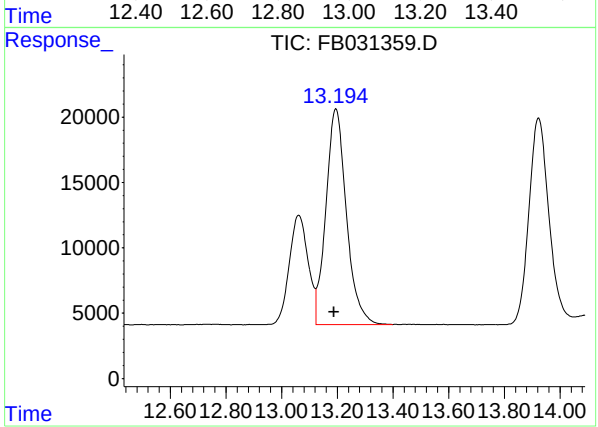
#6 Toluene

R.T.: 10.625 min
Delta R.T.: 0.007 min
Response: 1375333
Conc: 35.22 ng/ml



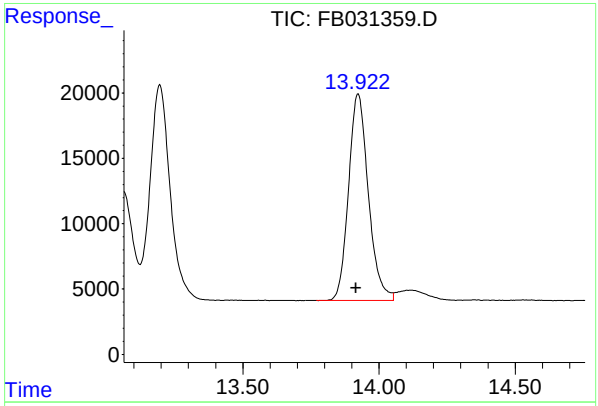
#7 Ethylbenzene

R.T.: 13.062 min
Delta R.T.: 0.007 min
Response: 394134
Conc: 11.38 ng/ml



#8 m-Xylene

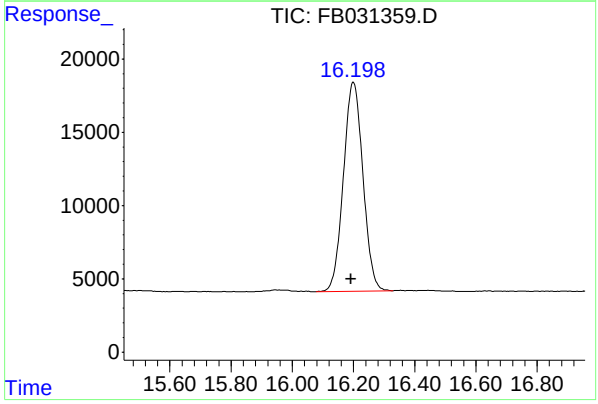
R.T.: 13.195 min
Delta R.T.: 0.007 min
Response: 845835
Conc: 22.63 ng/ml



#9 O-Xylene

R.T.: 13.923 min
Delta R.T.: 0.008 min
Response: 797770
Conc: 22.40 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0129S1



#10 1,2,4-Trimethylbenzene

R.T.: 16.200 min
Delta R.T.: 0.008 min
Response: 631208
Conc: 22.29 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB012925\
Data File : FB031359.D
Signal(s) : FID2B.CH
Acq On : 29 Jan 2025 10:11
Sample : BSF0129S1
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	4.725	4.576	4.907	BV	14837	1097270	79.78%	14.073%
2	7.429	7.231	7.645	VV	14125	1275242	92.72%	16.356%
3	7.758	7.645	7.827	VV	7413	422770	30.74%	5.422%
4	7.897	7.827	8.211	VV	9036	507495	36.90%	6.509%
5	8.796	8.640	9.018	BV	7829	449771	32.70%	5.769%
6	10.625	10.510	10.983	VV	26329	1375333	100.00%	17.640%
7	13.062	12.907	13.123	BV	8373	394134	28.66%	5.055%
8	13.195	13.123	13.399	VV	16509	845835	61.50%	10.848%
9	13.923	13.770	14.052	BV	15812	797770	58.01%	10.232%
10	16.200	16.077	16.329	PV	14270	631208	45.89%	8.096%

Sum of corrected areas: 7796829

FB011525.M Thu Jan 30 01:13:42 2025

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	BSF0129S2	SDG No.:	Q1206
Lab Sample ID:	BSF0129S2	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
FB031367.D	1	01/29/25 14:07	FB012925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	183		8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	17.6		50 - 150	88%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB012925\
Data File : FB031367.D
Signal(s) : FID2B.CH
Acq On : 29 Jan 2025 14:07
Operator : YP/AJ
Sample : BSF0129S2
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0129S2

Integration File: Calibration.e
Quant Time: Jan 30 00:55:26 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	8.795	419889	17.603 ng/ml
Target Compounds				
1) t	2-Methylpentane	4.723	1001266	30.208 ng/ml
2) t	2,2,4-Trimethylpentane	7.426	1157468	30.777 ng/ml
3) t	n-Heptane	7.757	373517	10.347 ng/ml
4) t	Benzene	7.895	443455	10.412 ng/ml
6) t	Toluene	10.624	1223997	31.347 ng/ml
7) t	Ethylbenzene	13.061	350256	10.115 ng/ml
8) t	m-Xylene	13.194	754055	20.173 ng/ml
9) t	O-Xylene	13.922	713461	20.033 ng/ml
10) t	1,2,4-Trimethylbenzene	16.199	556785	19.660 ng/ml

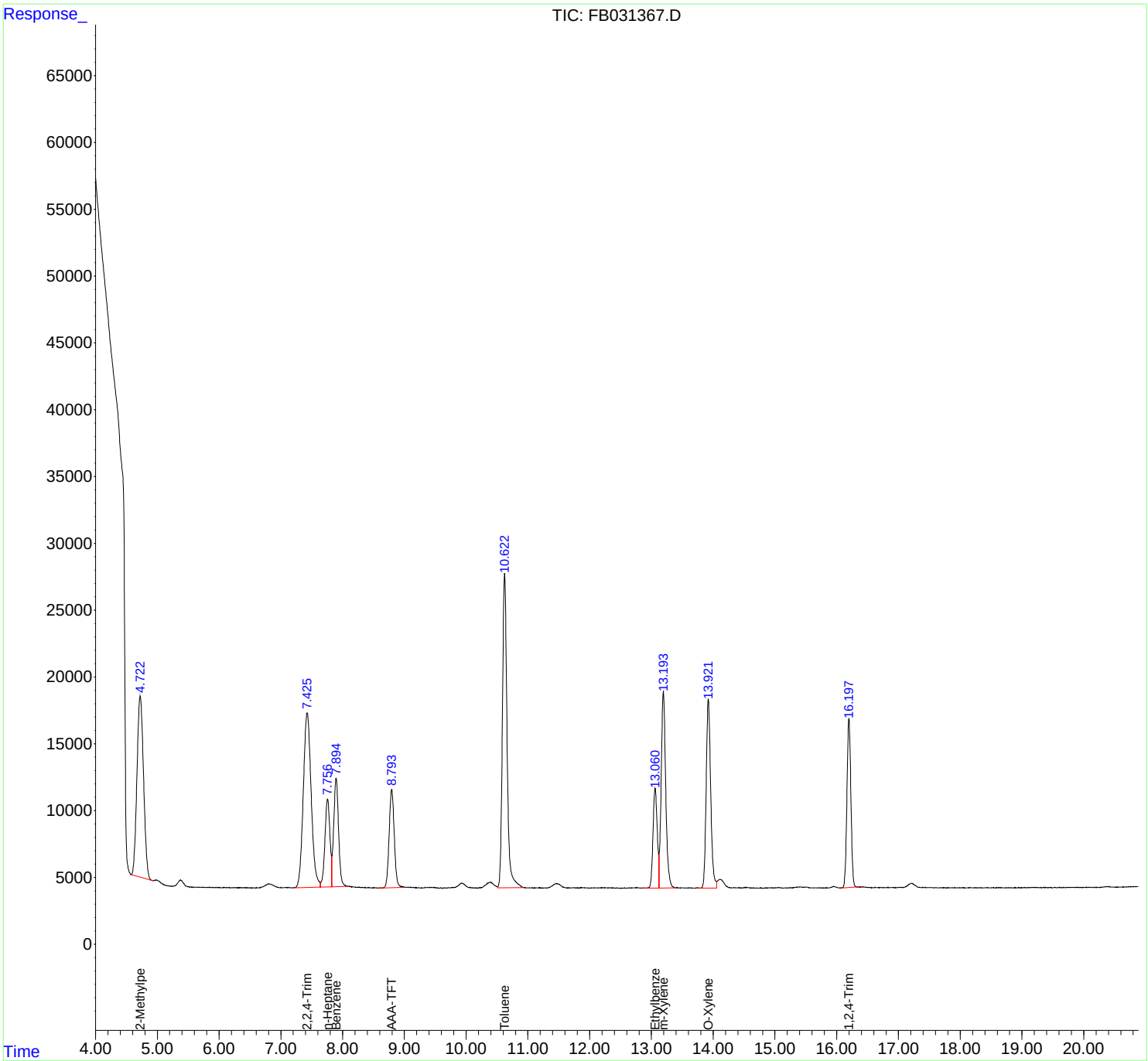
(f)=RT Delta > 1/2 Window (m)=manual int.

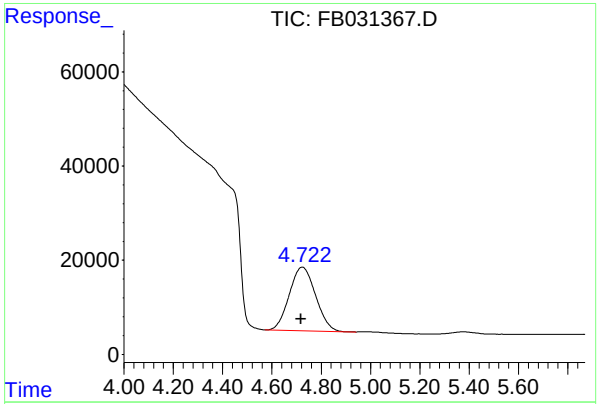
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB012925\
Data File : FB031367.D
Signal(s) : FID2B.CH
Acq On : 29 Jan 2025 14:07
Operator : YP/AJ
Sample : BSF0129S2
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0129S2

Integration File: Calibration.e
Quant Time: Jan 30 00:55:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

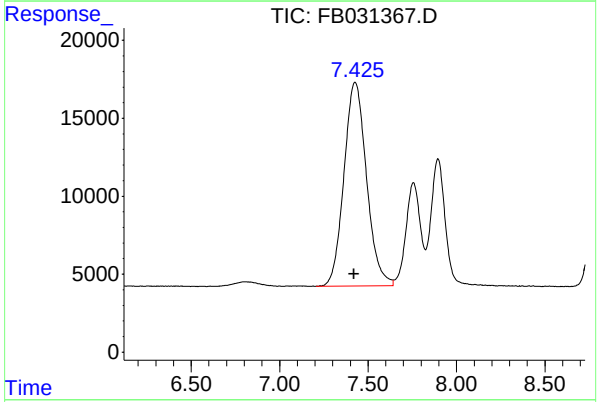




#1 2-Methylpentane

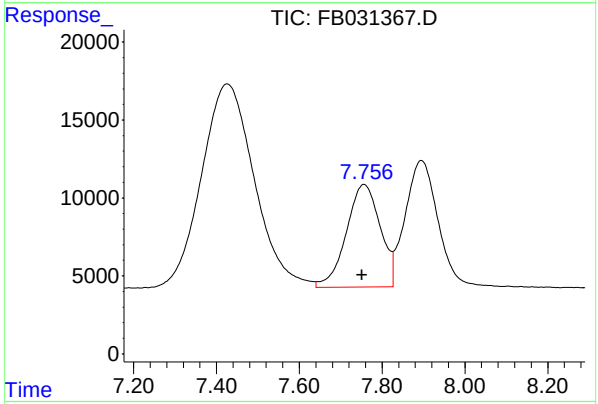
R.T.: 4.723 min
Delta R.T.: 0.005 min
Response: 1001266
Conc: 30.21 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0129S2



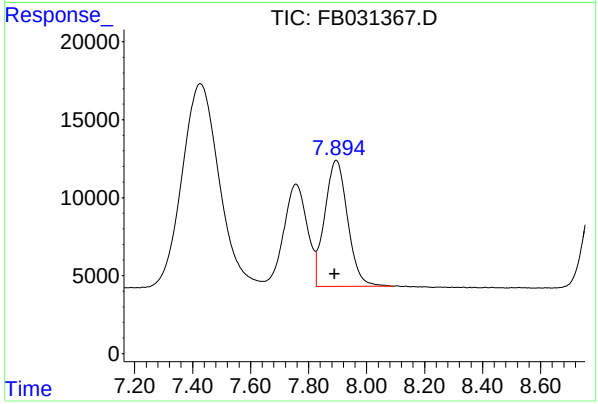
#2 2,2,4-Trimethylpentane

R.T.: 7.426 min
Delta R.T.: 0.007 min
Response: 1157468
Conc: 30.78 ng/ml



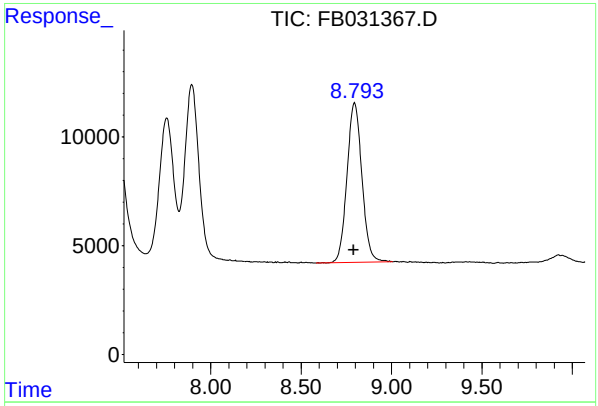
#3 n-Heptane

R.T.: 7.757 min
Delta R.T.: 0.006 min
Response: 373517
Conc: 10.35 ng/ml



#4 Benzene

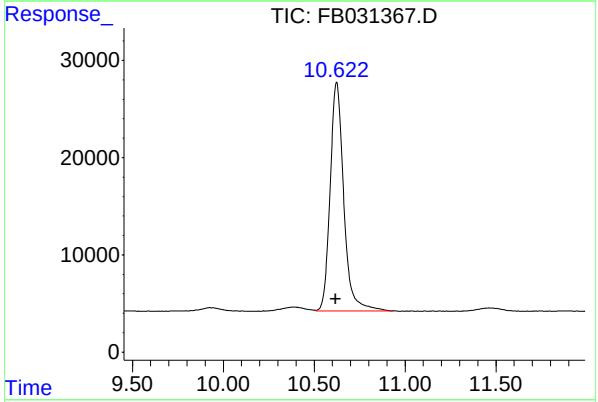
R.T.: 7.895 min
Delta R.T.: 0.006 min
Response: 443455
Conc: 10.41 ng/ml



#5 AAA-TFT

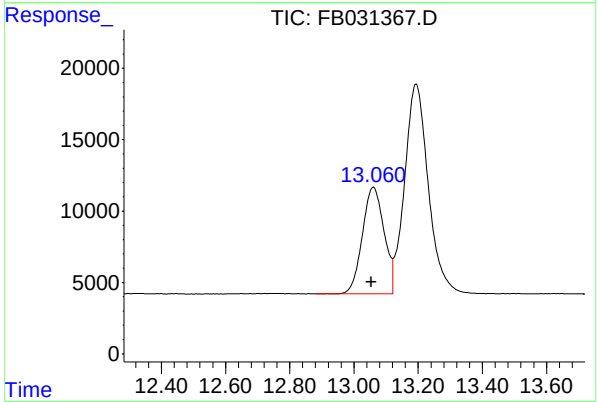
R.T.: 8.795 min
Delta R.T.: 0.005 min
Response: 419889
Conc: 17.60 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0129S2



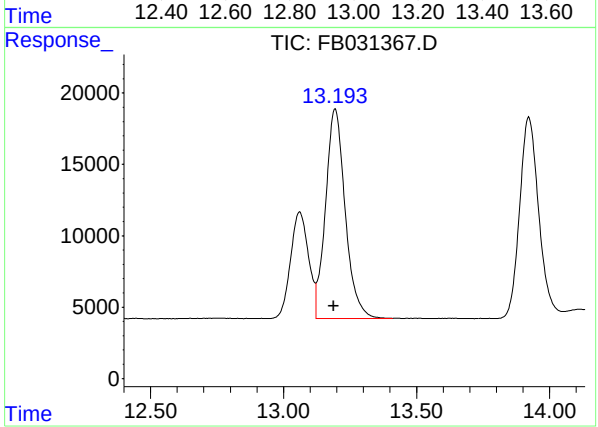
#6 Toluene

R.T.: 10.624 min
Delta R.T.: 0.006 min
Response: 1223997
Conc: 31.35 ng/ml



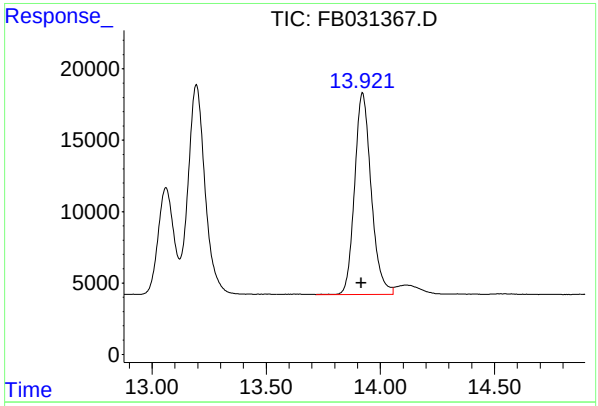
#7 Ethylbenzene

R.T.: 13.061 min
Delta R.T.: 0.007 min
Response: 350256
Conc: 10.11 ng/ml



#8 m-Xylene

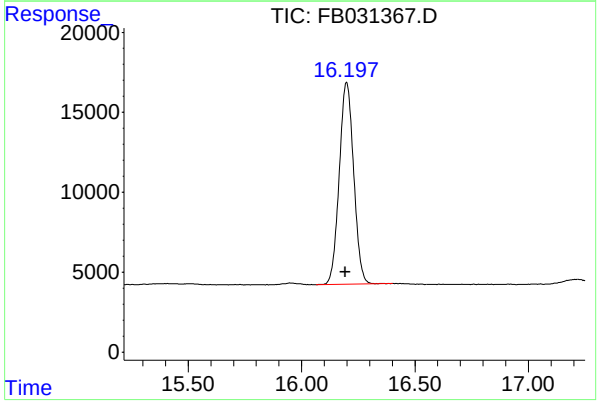
R.T.: 13.194 min
Delta R.T.: 0.006 min
Response: 754055
Conc: 20.17 ng/ml



#9 O-Xylene

R.T.: 13.922 min
Delta R.T.: 0.006 min
Response: 713461
Conc: 20.03 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0129S2



#10 1,2,4-Trimethylbenzene

R.T.: 16.199 min
Delta R.T.: 0.007 min
Response: 556785
Conc: 19.66 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB012925\
Data File : FB031367.D
Signal(s) : FID2B.CH
Acq On : 29 Jan 2025 14:07
Sample : BSF0129S2
Misc : 5.00G/5.00 ML DI WATER
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	4.724	4.571	4.942	BV	13545	1001266	81.80%	14.316%
2	7.426	7.206	7.640	PV	13076	1157468	94.56%	16.549%
3	7.757	7.640	7.826	VV	6586	373517	30.52%	5.340%
4	7.895	7.826	8.091	VV	8109	443455	36.23%	6.340%
5	8.795	8.581	9.007	BV	7347	419889	34.30%	6.003%
6	10.624	10.510	10.933	VV	23537	1223997	100.00%	17.500%
7	13.061	12.882	13.121	BV	7470	350256	28.62%	5.008%
8	13.194	13.121	13.410	VV	14689	754055	61.61%	10.781%
9	13.922	13.719	14.056	PV	14123	713461	58.29%	10.201%
10	16.199	16.063	16.403	PBA	12631	556785	45.49%	7.961%

Sum of corrected areas: 6994147

FB011525.M Thu Jan 30 01:18:15 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
Q1207-17MS		FB031362.D	FB012925	2-Methylpentane	Ankita	1/30/2025 9:17:22 AM	Peak Integrated by Software incorrectly
Q1207-17MSD		FB031363.D	FB012925	2-Methylpentane	Ankita	1/30/2025 9:17:24 AM	Peak Integrated by Software incorrectly
20 PPB GRO STD		FB031368.D	FB012925	O-Xylene	Ankita	1/30/2025 9:17:25 AM	Peak Integrated by Software incorrectly

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

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QCBatch ID # FB011525

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

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

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

M : Manual Integration

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

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QCBatch ID # FB012925

Review By	yogesh	Review On	1/29/2025 11:32:03 AM		
Supervise By	Ankita	Supervise On	1/30/2025 9:17:31 AM		
SubDirectory	FB012925	HP Acquire Method		HP Processing Method	FB011525

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24113,PP24114,PP24115,PP24116,PP24117
CCC	PP24138,PP24139,PP24140,PP24141
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	FB031356.D	29 Jan 2025 8:39	YP/AJ	Ok
2	VBF0129S1	FB031357.D	29 Jan 2025 9:17	YP/AJ	Ok
3	VBF0129S2	FB031358.D	29 Jan 2025 9:44	YP/AJ	Ok
4	BSF0129S1	FB031359.D	29 Jan 2025 10:11	YP/AJ	Ok
5	Q1207-17	FB031360.D	29 Jan 2025 10:49	YP/AJ	Ok
6	Q1207-01	FB031361.D	29 Jan 2025 11:27	YP/AJ	Ok
7	Q1207-17MS	FB031362.D	29 Jan 2025 11:54	YP/AJ	Ok,M
8	Q1207-17MSD	FB031363.D	29 Jan 2025 12:20	YP/AJ	Ok,M
9	Q1207-05	FB031364.D	29 Jan 2025 12:47	YP/AJ	Ok
10	Q1207-09	FB031365.D	29 Jan 2025 13:14	YP/AJ	ReRun
11	Q1207-13	FB031366.D	29 Jan 2025 13:40	YP/AJ	Ok
12	BSF0129S2	FB031367.D	29 Jan 2025 14:07	YP/AJ	Ok
13	20 PPB GRO STD	FB031368.D	29 Jan 2025 14:34	YP/AJ	Ok,M
14	Q1206-01	FB031369.D	29 Jan 2025 15:01	YP/AJ	Ok
15	Q1206-05	FB031370.D	29 Jan 2025 15:28	YP/AJ	Ok
16	Q1207-09	FB031371.D	29 Jan 2025 15:54	YP/AJ	Ok
17	Q1207-09	FB031372.D	29 Jan 2025 16:21	YP/AJ	Not Ok
18	BSF0129S3	FB031373.D	29 Jan 2025 16:48	YP/AJ	Ok
19	20 PPB GRO STD	FB031374.D	29 Jan 2025 17:15	YP/AJ	Ok
20	VBF0129W1	FB031375.D	29 Jan 2025 18:08	YP/AJ	Ok
21	BSF0129W1	FB031376.D	29 Jan 2025 18:34	YP/AJ	Ok

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Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QCBatch ID # FB012925

Review By	yogesh	Review On	1/29/2025 11:32:03 AM		
Supervise By	Ankita	Supervise On	1/30/2025 9:17:31 AM		
SubDirectory	FB012925	HP Acquire Method		HP Processing Method	FB011525

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24113,PP24114,PP24115,PP24116,PP24117
CCC	PP24138,PP24139,PP24140,PP24141
Internal Standard/PEM	
ICV/I.BLK	PP24111,PP24118
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1211-01	FB031377.D	29 Jan 2025 19:01	YP/AJ	Ok
23	Q1211-02	FB031378.D	29 Jan 2025 19:28	YP/AJ	Ok
24	BSF0129W2	FB031379.D	29 Jan 2025 19:54	YP/AJ	Ok
25	20 PPB GRO STD	FB031380.D	29 Jan 2025 20:21	YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_B

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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 # FB012925

Review By	yogesh	Review On	1/29/2025 11:32:03 AM		
Supervise By	Ankita	Supervise On	1/30/2025 9:17:31 AM		
SubDirectory	FB012925	HP Acquire Method		HP Processing Method	FB011525

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24113,PP24114,PP24115,PP24116,PP24117
CCC	PP24138,PP24139,PP24140,PP24141
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		FB031356.D	29 Jan 2025 8:39		YP/AJ	Ok
2	VBF0129S1		FB031357.D	29 Jan 2025 9:17		YP/AJ	Ok
3	VBF0129S2		FB031358.D	29 Jan 2025 9:44		YP/AJ	Ok
4	BSF0129S1		FB031359.D	29 Jan 2025 10:11		YP/AJ	Ok
5	Q1207-17		FB031360.D	29 Jan 2025 10:49	vial-A	YP/AJ	Ok
6	Q1207-01		FB031361.D	29 Jan 2025 11:27	vial-A	YP/AJ	Ok
7	Q1207-17MS		FB031362.D	29 Jan 2025 11:54	vial-A	YP/AJ	Ok,M
8	Q1207-17MSD		FB031363.D	29 Jan 2025 12:20	vial-A	YP/AJ	Ok,M
9	Q1207-05		FB031364.D	29 Jan 2025 12:47	vial-A	YP/AJ	Ok
10	Q1207-09		FB031365.D	29 Jan 2025 13:14	vial-A ,surrogate fail	YP/AJ	ReRun
11	Q1207-13		FB031366.D	29 Jan 2025 13:40	vial-A	YP/AJ	Ok
12	BSF0129S2		FB031367.D	29 Jan 2025 14:07		YP/AJ	Ok
13	20 PPB GRO STD		FB031368.D	29 Jan 2025 14:34		YP/AJ	Ok,M
14	Q1206-01		FB031369.D	29 Jan 2025 15:01	vial-A	YP/AJ	Ok
15	Q1206-05		FB031370.D	29 Jan 2025 15:28	vial-A	YP/AJ	Ok
16	Q1207-09		FB031371.D	29 Jan 2025 15:54	vial-B	YP/AJ	Ok
17	Q1207-09		FB031372.D	29 Jan 2025 16:21	vial-C ,not required	YP/AJ	Not Ok
18	BSF0129S3		FB031373.D	29 Jan 2025 16:48		YP/AJ	Ok

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Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QCBatch ID # FB012925

Review By	yogesh	Review On	1/29/2025 11:32:03 AM		
Supervise By	Ankita	Supervise On	1/30/2025 9:17:31 AM		
SubDirectory	FB012925	HP Acquire Method		HP Processing Method	FB011525

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24113,PP24114,PP24115,PP24116,PP24117
CCC	PP24138,PP24139,PP24140,PP24141
Internal Standard/PEM	
ICV/I.BLK	PP24111,PP24118
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	20 PPB GRO STD		FB031374.D	29 Jan 2025 17:15		YP/AJ	Ok
20	VBF0129W1		FB031375.D	29 Jan 2025 18:08		YP/AJ	Ok
21	BSF0129W1		FB031376.D	29 Jan 2025 18:34		YP/AJ	Ok
22	Q1211-01		FB031377.D	29 Jan 2025 19:01		YP/AJ	Ok
23	Q1211-02		FB031378.D	29 Jan 2025 19:28		YP/AJ	Ok
24	BSF0129W2		FB031379.D	29 Jan 2025 19:54		YP/AJ	Ok
25	20 PPB GRO STD		FB031380.D	29 Jan 2025 20:21		YP/AJ	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 1/29/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 16:40
In Date: 01/28/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:10
Out Date: 01/29/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB134456

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
Q1191-03	A44Y0	1	1.00	1.00	2.00	2.00	100.0	FB solids
Q1191-04	A44Y1	2	1.00	1.00	2.00	2.00	100.0	FB solids
Q1191-09	VHBLK002	3	1.00	1.00	2.00	2.00	100.0	vhblk
Q1205-01	VNJ-236	4	1.15	8.64	9.79	8.68	87.2	
Q1206-01	JPP-20.1-012725	5	1.18	8.42	9.6	8.38	85.5	
Q1206-03	JPP-20.1-012725	6	1.19	8.50	9.69	8.46	85.5	
Q1206-05	JPP-16.3-012725	7	1.16	8.80	9.96	8.72	85.9	
Q1206-07	JPP-16.3-012725	8	1.19	8.51	9.7	8.38	84.5	
Q1207-01	JPP-2.1-012725	9	1.15	8.51	9.66	8.54	86.8	
Q1207-04	JPP-2.1-012725	10	1.16	8.61	9.77	8.7	87.6	
Q1207-05	JPP-5.1-012725	11	1.15	8.59	9.74	8.98	91.2	
Q1207-07	JPP-5.1-012725	12	1.18	8.60	9.78	9.00	90.9	
Q1207-08	JPP-5.1-012725	13	1.18	8.60	9.78	9.00	90.9	
Q1207-09	JPP-4.5-012725	14	1.17	8.82	9.99	8.49	83.0	
Q1207-11	JPP-4.5-012725	15	1.19	8.80	9.99	8.37	81.6	
Q1207-12	JPP-4.5-012725	16	1.19	8.80	9.99	8.37	81.6	
Q1207-13	JPP-16.2-012725	17	1.13	8.80	9.93	9.02	89.7	
Q1207-15	JPP-16.2-012725	18	1.15	8.67	9.82	8.85	88.8	
Q1207-16	JPP-16.2-012725	19	1.15	8.67	9.82	8.85	88.8	
Q1207-17	JPP-20.2-012725	20	1.12	8.77	9.89	8.85	88.1	
Q1207-19	JPP-20.2-012725	21	1.17	8.53	9.7	8.66	87.8	
Q1207-20	JPP-20.2-012725	22	1.17	8.53	9.7	8.66	87.8	
Q1208-01	60304	23	1.00	1.00	2.00	2.00	100.0	oil sample
Q1209-01	WC-4	24	1.17	8.80	9.97	8.5	83.3	
Q1209-02	WC-4-EPH	25	1.15	8.64	9.79	8.39	83.8	
Q1209-03	WC-4-VOC	26	1.14	8.82	9.96	8.56	84.1	
Q1209-05	WC-5	27	1.15	8.82	9.97	8.95	88.4	
Q1209-06	WC-5-EPH	28	1.13	8.85	9.98	8.55	83.8	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 1/29/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 16:40
In Date: 01/28/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:10
Out Date: 01/29/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB134456

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
Q1209-07	WC-5-VOC	29	1.15	8.74	9.89	8.27	81.5	

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

WORKLIST(Hardcopy Internal Chain)

VB 134456

WorkList Name : %1-012825 **WorkList ID :** 187196 **Department :** Wet-Chemistry **Date :** 01-28-2025 07:59:28

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1206-01	JPP-20.1-012725	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/27/2025	Chemtech -SO
Q1206-03	JPP-20.1-012725	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/27/2025	Chemtech -SO
Q1206-05	JPP-16.3-012725	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/27/2025	Chemtech -SO
Q1206-07	JPP-16.3-012725	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/27/2025	Chemtech -SO
Q1207-01	JPP-2.1-012725	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/27/2025	Chemtech -SO
Q1207-04	JPP-2.1-012725	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/27/2025	Chemtech -SO
Q1207-13	JPP-16.2-012725	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/27/2025	Chemtech -SO
Q1207-15	JPP-16.2-012725	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/27/2025	Chemtech -SO
Q1207-16	JPP-16.2-012725	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/27/2025	Chemtech -SO
Q1207-17	JPP-20.2-012725	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/27/2025	Chemtech -SO
Q1207-19	JPP-20.2-012725	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/27/2025	Chemtech -SO
Q1207-20	JPP-20.2-012725	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/27/2025	Chemtech -SO
Q1207-05	JPP-5.1-012725	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/27/2025	Chemtech -SO
Q1207-07	JPP-5.1-012725	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/27/2025	Chemtech -SO
Q1207-08	JPP-5.1-012725	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/27/2025	Chemtech -SO
Q1207-09	JPP-4.5-012725	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/27/2025	Chemtech -SO
Q1207-11	JPP-4.5-012725	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/27/2025	Chemtech -SO
Q1207-12	JPP-4.5-012725	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/27/2025	Chemtech -SO
Q1205-01	VNJ-236	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/27/2025	Chemtech -SO
Q1208-01	60304	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	01/28/2025	Chemtech -SO
Q1209-01	WC-4	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/28/2025	Chemtech -SO

Date/Time 01/28/25 15:30

Raw Sample Received by: TB (WC)

Raw Sample Relinquished by: CB SM

Date/Time 01/28/25 17:10

Raw Sample Received by: SM

Raw Sample Relinquished by: TB (WC)

WORKLIST(Hardcopy Internal Chain)

JB 134456

WorkList Name : %1-012825 **WorkList ID :** 187196 **Department :** Wet-Chemistry **Date :** 01-28-2025 07:59:28

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1209-02	WC-4-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/28/2025	Chemtech -SO
Q1209-03	WC-4-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/28/2025	Chemtech -SO
Q1209-05	WC-5	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/28/2025	Chemtech -SO
Q1209-06	WC-5-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/28/2025	Chemtech -SO
Q1209-07	WC-5-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/28/2025	Chemtech -SO
Q1191-03	A44Y0	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/28/2025	Chemtech -SO
Q1191-04	A44Y1	Solid	Percent Solids	Cool 4 deg C	USEP04	B21	01/24/2025	Chemtech -SO
Q1191-09	VHBLK002	Solid	Percent Solids	Cool 4 deg C	USEP04	B21	01/25/2025	Chemtech -SO

Date/Time 01/28/25 15:30

Raw Sample Received by: SB (WC)

Raw Sample Relinquished by: CP SM

Date/Time 01/28/25 17:10

Raw Sample Received by: CP SM

Raw Sample Relinquished by: SB (WC)

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

Prep Standard - Chemical Standard Summary

Order ID : Q1206

Test : Gasoline Range Organics

Prepbatch ID :

Sequence ID/Qc Batch ID: FB012925,

Standard ID :
PP24110,PP24111,PP24112,PP24113,PP24114,PP24115,PP24116,PP24117,PP24118,PP24138,PP24139,PP24140,PP24141,

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

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Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

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Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

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Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

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Fax : 908 789 8922

Pest/Pcb STANDARD PREPARATION LOG

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

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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
241	20 PPB CCC GRO STD	PP24138	01/29/2025	07/13/2025	Yogesh Patel	None	None	Ankita Jodhani 01/31/2025

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

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Fax : 908 789 8922

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
241	20 PPB CCC GRO STD	PP24139	01/29/2025	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	PP24140	01/29/2025	07/13/2025	Yogesh Patel	None	None	Ankita Jodhani 01/31/2025

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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
241	20 PPB CCC GRO STD	PP24141	01/29/2025	07/13/2025	Yogesh Patel	None	None	Ankita Jodhani 01/31/2025

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

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Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

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

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

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

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

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

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

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

Certificate of Analysis

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

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

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

Ken Koehnlein
Sr. Manager, Quality Assurance

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

1st source
DD
P9817 To P9826 (10)

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

Description : Gasoline Range Organics Mix (EPA)

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

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

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

CERTIFIED VALUES

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

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

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

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

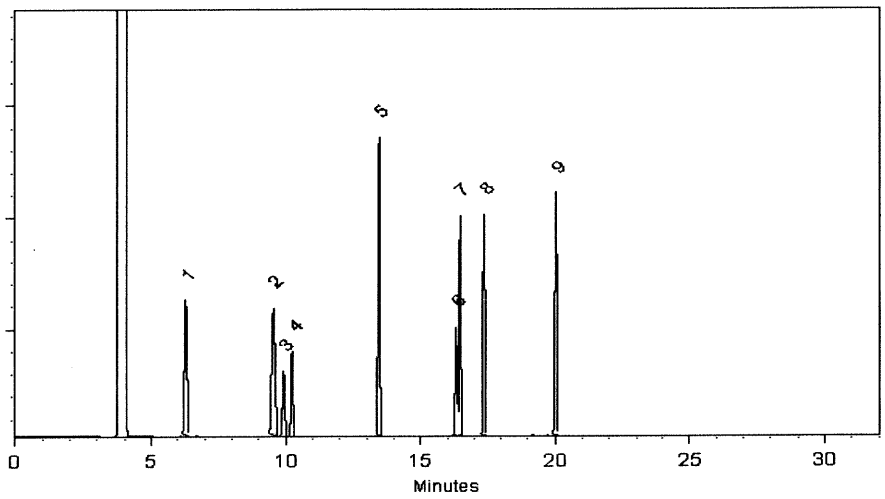
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



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

Miranda Kline
Miranda Kline - Operations Technician I

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

Fang-Yun Lo - QC Analyst

Date Passed: 23-Dec-2019

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

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

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

CHEMTECH PROJECT NO. Q1206
QUOTE NO.
COC Number 2041690

CLIENT INFORMATION

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

CLIENT PROJECT INFORMATION

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

CLIENT BILLING INFORMATION

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

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

ANALYSIS

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

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-20,1-012725	Soil		G	1/27/25	14:15	3	X	X	X							
2.	JPP-20,1-012725	Soil	C		1/27/25	14:18	7			X	X	X	X	X	X	X	
3.	JPP-16,3-012725	Soil		G	1/27/25	15:10	3	X	X	X							
4.	JPP-16,3-012725	Soil	C		1/27/25	15:15	7			X	X	X	X	X	X	X	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. RM	1/28/2025	1. 1053 1-28-25
2.		2.
3.	DATE/TIME: 1259 1-28-25	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.7 °C
Comments: preserve extra sample jar if additional analysis is Required.

Page ____ of ____
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 : Q1206 RUTW01
Client Name : RU2 Engineering, LLC
Client Contact : Rutu Manani
Invoice Name : RU2 Engineering, LLC
Invoice Contact : Rutu Manani

Order Date : 1/28/2025 11:18:51 AM YG 02/03/25
Project Name : ~~SANDTWOBR BMCR Bro~~ NYCDDC SANTWOBR Brooklyn Bridge BBMCR
Receive DateTime : 1/28/2025 12:59:00 PM
Purchase Order :

Project Mgr : Kiran
Report Type : NYS ASP B
EDD Type : Excel NY
Hard Copy Date :
Date Signoff : 1/28/2025 2:56:10 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1206-01	JPP-20.1-012725	Solid	01/27/2025	14:15					
					VOCMS Group1		8260D		10 Bus. Days
Q1206-05	JPP-16.3-012725	Solid	01/27/2025	15:10					
					VOCMS Group1		8260D		10 Bus. Days

Relinguished By :
Date / Time : 1-28-25 1447

Received By :
Date / Time : 1/28/25 14:47

Storage Area : VOA Refridgerator Room

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1206 RUTW01
Client Name : RU2 Engineering, LLC
Client Contact : Rutu Manani
Invoice Name : RU2 Engineering, LLC
Invoice Contact : Rutu Manani

Order Date : 1/28/2025 11:18:51 AM
Project Name : ~~SANDTWOBR BMCR Bro~~ NYCDDC SANTWOBR Brooklyn Bridge BBMCR
Receive DateTime : 1/28/2025 12:59:00 PM
Purchase Order :

Project Mgr : Kiran
Report Type : NYS ASP B
EDD Type : Excel NY
Hard Copy Date :
Date Signoff : 1/28/2025 2:56:10 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1206-~~03~~01	JPP-20.1-012725	Solid	01/27/2025	~~14:18~~ 14:15	Gasoline Range Organics		8015D		10 Bus. Days
Q1206-~~07~~05	JPP-16.3-012725	Solid	01/27/2025	~~15:17~~ 15:10	Gasoline Range Organics		8015D		10 Bus. Days

YG
02/03/25

Relinguished By :
Date / Time : 1-28-25 1447

Received By : Sam
Date / Time : 1/28/25 14:47
Storage Area : VOA Refridgerator Room

Jeff
P22