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Cover Page

Order ID : Q1235

Project ID : NYCDDC SANTWOBR Brooklyn Bridge BBMCR

Client : RU2 Engineering, LLC

Lab Sample Number	Client Sample Number
Q1235-01	JPP-51.2-012925
Q1235-02	JPP-51.2-012925
Q1235-03	JPP-51.2-012925
Q1235-04	JPP-51.2-012925
Q1235-05	JPP-16.1-012925
Q1235-06	JPP-16.1-012925
Q1235-07	JPP-16.1-012925
Q1235-08	JPP-16.1-012925

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

Signature : _____

Date: 2/8/2025

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 # Q1235
Test Name: Gasoline Range Organics

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

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

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

D. QA/ QC Samples:

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

E. Additional Comments:

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

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F. Manual Integration Comments:

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

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

Signature_____

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DATA REPORTING QUALIFIERS- ORGANIC

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

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

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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: Q1235 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 #: **Q1235**

	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:** **02/08/2025**

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LAB CHRONICLE

OrderID:	Q1235	**OrderDate:**	1/30/2025 12:15:00 PM
Client:	RU2 Engineering, LLC	**Project:**	NYCDDC SANTWOBR Brooklyn Bridge BBMCR
Contact:	Rutu Manani	**Location:**	E11,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1235-01	**JPP-51.2-012925**	**SOIL**			**01/29/25**			**01/30/25**
			Diesel Range Organics	8015D		01/31/25	01/31/25	
			Gasoline Range Organics	8015D			01/31/25	
Q1235-04	**JPP-51.2-012925**	**TCLP**			**01/29/25**			**01/30/25**
			TCLP Herbicide	8151A		01/31/25	02/01/25	
			TCLP Pesticide	8081B		01/31/25	02/03/25	
Q1235-05	**JPP-16.1-012925**	**SOIL**			**01/29/25**			**01/30/25**
			Diesel Range Organics	8015D		01/31/25	01/31/25	
			Gasoline Range Organics	8015D			01/31/25	
Q1235-08	**JPP-16.1-012925**	**TCLP**			**01/29/25**			**01/30/25**
			TCLP Herbicide	8151A		01/31/25	02/01/25	
			TCLP Pesticide	8081B		01/31/25	02/03/25	

QC SUMMARY

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SOIL GASOLINE RANGE ORGANICS SURROGATE RECOVERY

Lab Name: Chemtech Client: RU2 Engineering, LLC

Lab Code: CHEM Case No.: Q1235 SAS No.: Q1235 SDG No.: Q1235

EPA SAMPLE NO.	S1 AAA-TFT	S2	S3	S4	TOT OUT
VBF0131S1	103				0
BSF0131S1	98				0
BSF0131S2	91				0
JPP-51.2-012925	87				0
JPP-16.1-012925	82				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:** Q1235 **SAS No :** Q1235 **SDG No:** Q1235

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

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

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

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

Lab Code: CHEM **Cas No:** Q1235 **SAS No :** Q1235 **SDG No:** Q1235

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

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

LCS/LCSD % Recovery RPD : 3.0

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METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBF0131S1

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1235 SAS No.: Q1235 SDG NO.: Q1235

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

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

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

Instrument ID: FB

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSF0131S1	BSF0131S1	FB031415.D	01/31/25
BSF0131S2	BSF0131S2	FB031420.D	01/31/25
JPP-51.2-012925	Q1235-01	FB031429.D	01/31/25
JPP-16.1-012925	Q1235-05	FB031430.D	01/31/25

COMMENTS:

SAMPLE DATA

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Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/29/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-51.2-012925	SDG No.:	Q1235
Lab Sample ID:	Q1235-01	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	91.2 Decanted:
Sample Wt/Vol:	9.09 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
FB031429.D	1	01/31/25 17:38	FB013125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	13.0	J	5.00	27.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	17.4		50 - 150	87%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013125\
Data File : FB031429.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 17:38
Operator : YP/AJ
Sample : Q1235-01
Misc : 9.09G/5.00 ML DI WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
JPP-51.2-012925

Integration File: Calibration.e
Quant Time: Feb 01 00:16:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
System Monitoring Compounds				
5) s	AAA-TFT	8.795	414558	17.380 ng/ml
Target Compounds				

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

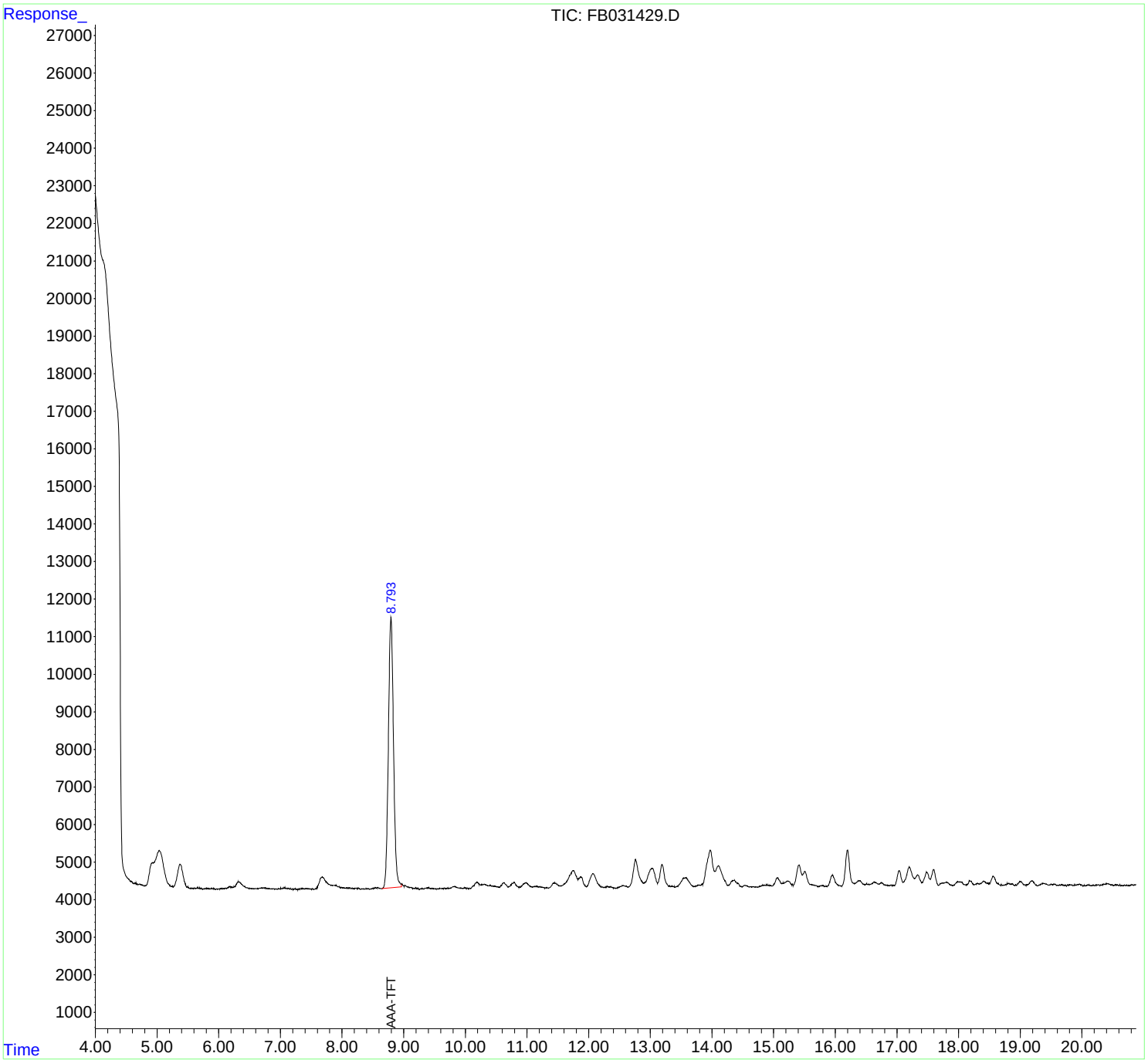
Quantitation Report (QT Reviewed)

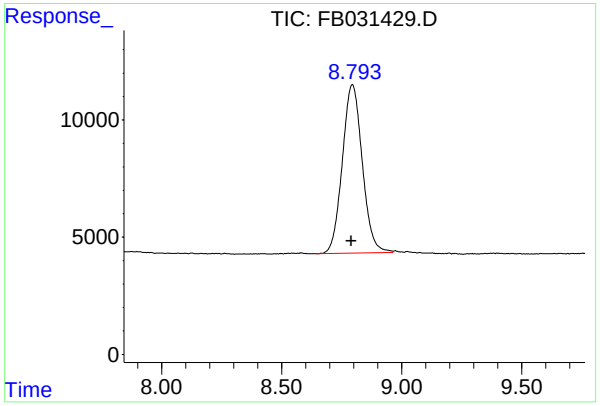
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013125\
Data File : FB031429.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 17:38
Operator : YP/AJ
Sample : Q1235-01
Misc : 9.09G/5.00 ML DI WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
JPP-51.2-012925

Integration File: Calibration.e
Quant Time: Feb 01 00:16:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#5 AAA-TFT

R.T.: 8.795 min
Delta R.T.: 0.005 mi
Response: 414558
Conc: 17.38 ng/m

Instrument :
FID_B
ClientSampleId :
JPP-51.2-012925

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013125\
Data File : FB031429.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 17:38
Sample : Q1235-01
Misc : 9.09G/5.00 ML DI WATER
ALS Vial : 19 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	4.589	4.554	4.622	BV	16	309	0.07%	0.026%
2	4.639	4.622	4.649	PV	32	232	0.05%	0.019%
3	4.655	4.649	4.661	VV	24	105	0.02%	0.009%
4	4.664	4.661	4.686	VV	27	151	0.04%	0.013%
5	4.692	4.686	4.707	PV	11	103	0.02%	0.009%
6	4.719	4.707	4.733	VV	31	272	0.06%	0.023%
7	4.746	4.733	4.793	VV	26	324	0.08%	0.027%
8	4.804	4.793	4.813	PV	10	74	0.02%	0.006%
9	4.932	4.813	4.944	VV	638	27238	6.41%	2.284%
10	5.252	5.228	5.264	VV	51	651	0.15%	0.055%
11	5.498	5.484	5.526	VV	49	771	0.18%	0.065%
12	5.538	5.526	5.548	VV	15	100	0.02%	0.008%
13	5.568	5.548	5.582	PV	23	224	0.05%	0.019%
14	5.596	5.582	5.606	VV	15	132	0.03%	0.011%
15	5.618	5.606	5.626	VV	23	202	0.05%	0.017%
16	5.655	5.626	5.684	VV	42	944	0.22%	0.079%
17	5.689	5.684	5.703	VV	37	288	0.07%	0.024%
18	5.713	5.703	5.744	VV	32	447	0.11%	0.037%
19	5.765	5.744	5.778	PV	29	360	0.08%	0.030%
20	5.798	5.778	5.809	VV	35	464	0.11%	0.039%
21	5.833	5.809	5.848	VV	36	571	0.13%	0.048%
22	5.856	5.848	5.870	VV	25	212	0.05%	0.018%
23	5.883	5.870	5.896	VV	41	397	0.09%	0.033%
24	5.913	5.896	5.940	VV	35	520	0.12%	0.044%
25	5.967	5.940	5.990	VV	20	319	0.08%	0.027%
26	6.008	5.990	6.015	VV	18	205	0.05%	0.017%
27	6.029	6.015	6.062	VV	31	621	0.15%	0.052%
28	6.116	6.062	6.127	VV	38	1035	0.24%	0.087%
29	6.185	6.127	6.209	VV	82	2888	0.68%	0.242%
30	6.221	6.209	6.235	VV	72	997	0.23%	0.084%
31	6.460	6.452	6.509	VV	52	1345	0.32%	0.113%
32	6.519	6.509	6.541	VV	34	530	0.12%	0.044%
33	6.549	6.541	6.559	VV	33	283	0.07%	0.024%
34	6.567	6.559	6.584	VV	25	324	0.08%	0.027%
35	6.600	6.584	6.611	VV	30	397	0.09%	0.033%
36	6.631	6.611	6.641	VV	30	475	0.11%	0.040%

rteres

37	6.663	6.641	6.674	VV	39	641	0.15%	0.054%
38	6.692	6.674	6.706	VV	48	788	0.19%	0.066%
39	6.725	6.706	6.748	VV	52	1056	0.25%	0.089%
40	6.754	6.748	6.779	VV	49	754	0.18%	0.063%
41	6.786	6.779	6.796	VV	40	330	0.08%	0.028%
42	6.813	6.796	6.836	VV	36	665	0.16%	0.056%
43	6.846	6.836	6.856	VV	23	254	0.06%	0.021%
44	6.865	6.856	6.881	VV	27	315	0.07%	0.026%
45	6.894	6.881	6.913	VV	29	386	0.09%	0.032%
46	6.925	6.913	6.947	VV	23	311	0.07%	0.026%
47	6.970	6.947	6.979	VV	32	334	0.08%	0.028%
48	7.008	6.979	7.036	VV	37	865	0.20%	0.072%
49	7.046	7.036	7.053	VV	46	375	0.09%	0.031%
50	7.067	7.053	7.077	VV	48	578	0.14%	0.048%
51	7.086	7.077	7.096	VV	44	374	0.09%	0.031%
52	7.137	7.096	7.152	VV	41	1033	0.24%	0.087%
53	7.165	7.152	7.186	VV	27	343	0.08%	0.029%
54	7.200	7.186	7.220	VV	28	260	0.06%	0.022%
55	7.240	7.220	7.263	VV	35	432	0.10%	0.036%
56	7.272	7.263	7.284	VV	14	119	0.03%	0.010%
57	7.308	7.284	7.317	PV	25	303	0.07%	0.025%
58	7.338	7.317	7.351	VV	39	484	0.11%	0.041%
59	7.360	7.351	7.382	VV	39	488	0.11%	0.041%
60	7.407	7.382	7.416	VV	35	517	0.12%	0.043%
61	7.424	7.416	7.447	VV	37	518	0.12%	0.043%
62	7.454	7.447	7.461	VV	27	188	0.04%	0.016%
63	7.471	7.461	7.488	VV	26	343	0.08%	0.029%
64	7.497	7.488	7.544	VV	22	519	0.12%	0.044%
65	7.575	7.544	7.582	VV	34	404	0.10%	0.034%
66	7.677	7.582	7.819	VV	340	29054	6.84%	2.436%
67	7.843	7.819	7.853	VV	121	2301	0.54%	0.193%
68	7.875	7.853	7.972	VV	118	6838	1.61%	0.573%
69	7.995	7.972	8.058	VV	60	2503	0.59%	0.210%
70	8.069	8.058	8.114	VV	55	1480	0.35%	0.124%
71	8.126	8.114	8.152	VV	54	919	0.22%	0.077%
72	8.165	8.152	8.192	VV	46	793	0.19%	0.066%
73	8.229	8.192	8.249	VV	45	1145	0.27%	0.096%
74	8.263	8.249	8.325	VV	39	1062	0.25%	0.089%
75	8.332	8.325	8.362	VV	19	380	0.09%	0.032%
76	8.393	8.362	8.451	VV	30	1105	0.26%	0.093%
77	8.500	8.451	8.508	VV	40	857	0.20%	0.072%
78	8.543	8.508	8.559	VV	59	1296	0.31%	0.109%
79	8.582	8.559	8.647	VV	63	2121	0.50%	0.178%
80	8.795	8.647	8.963	VV	7247	424763	100.00%	35.611%
81	8.974	8.963	9.010	VV	160	3440	0.81%	0.288%
82	9.021	9.010	9.066	VV	122	3127	0.74%	0.262%
83	9.076	9.066	9.106	VV	79	1517	0.36%	0.127%
84	9.128	9.106	9.188	VV	63	2211	0.52%	0.185%
85	9.199	9.188	9.218	VV	59	750	0.18%	0.063%
86	9.226	9.218	9.256	VV	45	570	0.13%	0.048%
87	9.383	9.256	9.391	PV	53	2390	0.56%	0.200%
88	9.398	9.391	9.450	VV	53	1351	0.32%	0.113%
89	9.462	9.450	9.477	VV	38	503	0.12%	0.042%

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90	9.493	9.477	9.517	VV	35	563	0.13%	0.047%
91	9.581	9.517	9.590	VV	37	886	0.21%	0.074%
92	9.604	9.590	9.622	VV	31	508	0.12%	0.043%
93	9.663	9.622	9.700	VV	38	1338	0.32%	0.112%
94	9.711	9.700	9.741	VV	42	724	0.17%	0.061%
95	9.755	9.741	9.767	VV	42	547	0.13%	0.046%
96	9.834	9.767	9.891	VV	82	4519	1.06%	0.379%
97	9.901	9.891	9.917	VV	45	564	0.13%	0.047%
98	9.929	9.917	9.946	VV	46	575	0.14%	0.048%
99	9.985	9.946	10.029	VV	50	1617	0.38%	0.136%
100	10.034	10.029	10.048	VV	34	311	0.07%	0.026%
101	10.054	10.048	10.061	VV	29	196	0.05%	0.016%
102	10.070	10.061	10.087	VV	34	435	0.10%	0.036%
103	10.124	10.087	10.132	VV	91	1593	0.37%	0.134%
104	10.187	10.132	10.265	VV	199	11325	2.67%	0.950%
105	10.275	10.265	10.284	VV	131	1363	0.32%	0.114%
106	10.310	10.284	10.381	VV	139	6749	1.59%	0.566%
107	10.396	10.381	10.403	VV	102	1226	0.29%	0.103%
108	10.412	10.403	10.427	VV	105	1305	0.31%	0.109%
109	10.440	10.427	10.457	VV	90	1529	0.36%	0.128%
110	10.468	10.457	10.546	VV	88	3676	0.87%	0.308%
111	10.581	10.546	10.588	VV	106	1775	0.42%	0.149%
112	10.620	10.588	10.698	VV	173	8171	1.92%	0.685%
113	10.740	10.698	10.746	VV	126	2367	0.56%	0.198%
114	10.790	10.746	10.889	VV	185	9506	2.24%	0.797%
115	10.983	10.889	11.097	VV	166	12993	3.06%	1.089%
116	11.147	11.097	11.189	VV	77	3454	0.81%	0.290%
117	11.208	11.189	11.218	VV	60	915	0.22%	0.077%
118	11.226	11.218	11.264	VV	51	1235	0.29%	0.104%
119	11.271	11.264	11.292	VV	38	519	0.12%	0.043%
120	11.321	11.292	11.348	VV	36	899	0.21%	0.075%
121	11.448	11.348	11.457	VV	161	5946	1.40%	0.498%
122	11.465	11.457	11.535	VV	153	5196	1.22%	0.436%
123	11.604	11.535	11.611	VV	135	4336	1.02%	0.363%
124	11.749	11.611	11.828	VV	485	42745	10.06%	3.584%
125	11.871	11.828	11.968	VV	324	16987	4.00%	1.424%
126	12.071	11.968	12.210	VV	401	30227	7.12%	2.534%
127	12.221	12.210	12.248	VV	43	769	0.18%	0.064%
128	12.260	12.248	12.269	VV	32	350	0.08%	0.029%
129	12.300	12.269	12.325	VV	71	1393	0.33%	0.117%
130	12.357	12.325	12.390	VV	56	1444	0.34%	0.121%
131	12.397	12.390	12.440	VV	31	384	0.09%	0.032%
132	12.563	12.440	12.645	PV	80	5412	1.27%	0.454%
133	12.761	12.645	12.887	VV	772	49538	11.66%	4.153%
134	13.034	12.887	13.118	VV	528	45207	10.64%	3.790%
135	13.189	13.118	13.298	VV	632	33253	7.83%	2.788%
136	13.309	13.298	13.326	VV	73	835	0.20%	0.070%
137	13.337	13.326	13.345	VV	51	486	0.11%	0.041%
138	13.355	13.345	13.409	VV	48	1305	0.31%	0.109%
139	13.441	13.409	13.449	VV	56	880	0.21%	0.074%
140	13.542	13.449	13.551	VV	268	9850	2.32%	0.826%
141	13.567	13.551	13.701	VV	272	14776	3.48%	1.239%

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142	13.745	13.701	13.752	VV	58	1179	0.28%	0.099%
143	13.811	13.752	13.819	VV	72	2620	0.62%	0.220%
144	13.973	13.819	14.048	VV	1000	73240	17.24%	6.140%
145	14.106	14.048	14.253	VV	585	44771	10.54%	3.754%
146	14.262	14.253	14.273	VV	68	723	0.17%	0.061%
147	14.333	14.273	14.340	VV	189	5069	1.19%	0.425%
148	14.366	14.340	14.412	VV	191	6977	1.64%	0.585%
149	14.417	14.412	14.496	VV	123	2784	0.66%	0.233%
150	14.528	14.496	14.604	VV	57	2453	0.58%	0.206%
151	14.614	14.604	14.623	VV	21	152	0.04%	0.013%
152	14.633	14.623	14.643	VV	19	164	0.04%	0.014%
153	14.653	14.643	14.657	VV	13	95	0.02%	0.008%
154	14.670	14.657	14.691	VV	21	294	0.07%	0.025%
155	14.699	14.691	14.747	VV	16	282	0.07%	0.024%
156	14.769	14.747	14.778	VV	29	261	0.06%	0.022%
157	14.861	14.778	14.872	VV	59	2562	0.60%	0.215%
158	14.898	14.872	14.908	VV	66	1185	0.28%	0.099%
159	14.930	14.908	14.955	VV	58	1357	0.32%	0.114%
160	14.959	14.955	14.973	VV	51	415	0.10%	0.035%
161	15.071	14.973	15.121	VV	254	13081	3.08%	1.097%
162	15.127	15.121	15.136	VV	106	947	0.22%	0.079%
163	15.157	15.136	15.172	VV	115	2220	0.52%	0.186%
164	15.223	15.172	15.296	VV	165	9498	2.24%	0.796%
165	15.305	15.296	15.317	VV	79	845	0.20%	0.071%
166	15.415	15.317	15.467	VV	590	31191	7.34%	2.615%
167	15.506	15.467	15.624	VV	419	21111	4.97%	1.770%
168	15.631	15.624	15.680	VV	54	1539	0.36%	0.129%
169	15.688	15.680	15.733	VV	36	701	0.16%	0.059%
170	15.766	15.733	15.788	VV	33	745	0.18%	0.062%
171	15.802	15.788	15.849	VV	35	707	0.17%	0.059%
172	15.855	15.849	15.868	VV	14	100	0.02%	0.008%
173	15.953	15.868	16.088	PV	303	16186	3.81%	1.357%
174	16.198	16.088	16.308	PV	928	41659	9.81%	3.493%
			Sum of corrected areas:			1192775		

FB011525.M Sat Feb 01 01:02:18 2025

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/29/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-16.1-012925	SDG No.:	Q1235
Lab Sample ID:	Q1235-05	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	89 Decanted:
Sample Wt/Vol:	11.18 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
FB031430.D	1	01/31/25 18:05	FB013125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	23.0	U	4.00	23.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	16.3		50 - 150	82%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013125\
Data File : FB031430.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 18:05
Operator : YP/AJ
Sample : Q1235-05
Misc : 11.18G/5.00 ML DI WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
JPP-16.1-012925

Integration File: Calibration.e
Quant Time: Feb 01 00:16:52 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	8.794	389767	16.341 ng/ml
	Target Compounds			

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

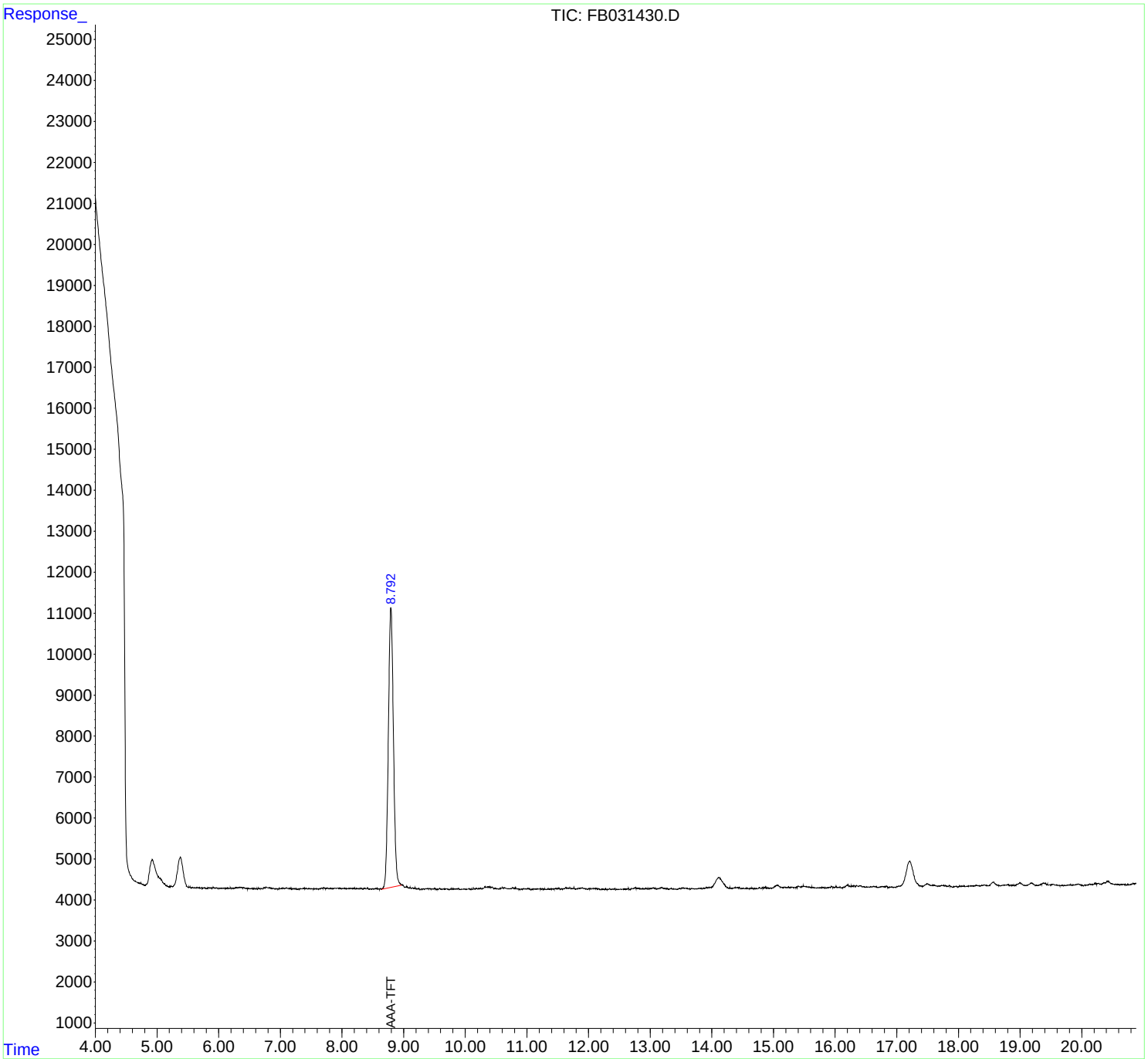
Quantitation Report (QT Reviewed)

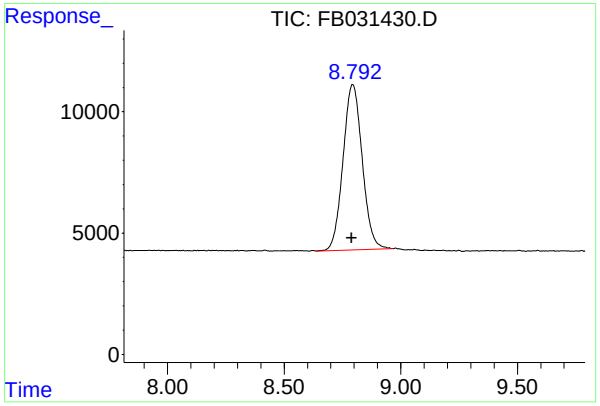
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013125\
Data File : FB031430.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 18:05
Operator : YP/AJ
Sample : Q1235-05
Misc : 11.18G/5.00 ML DI WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
JPP-16.1-012925

Integration File: Calibration.e
Quant Time: Feb 01 00:16:52 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





#5 AAA-TFT

R.T.: 8.794 min
Delta R.T.: 0.004 mi
Response: 389767
Conc: 16.34 ng/m

Instrument :
FID_B
ClientSampleId :
JPP-16.1-012925

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013125\
Data File : FB031430.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 18:05
Sample : Q1235-05
Misc : 11.18G/5.00 ML DI WATER
ALS Vial : 20 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	4.718	4.671	4.728	BV	17	114	0.03%	0.020%
2	4.738	4.728	4.815	PV	15	66	0.02%	0.011%
3	5.126	5.116	5.191	VV	80	1519	0.38%	0.263%
4	5.198	5.191	5.214	VV	18	126	0.03%	0.022%
5	5.225	5.214	5.236	PV	33	239	0.06%	0.041%
6	5.240	5.236	5.260	VV	21	251	0.06%	0.044%
7	5.536	5.511	5.561	VV	31	418	0.10%	0.072%
8	5.574	5.561	5.587	VV	21	172	0.04%	0.030%
9	5.613	5.587	5.628	VV	16	181	0.05%	0.031%
10	5.646	5.628	5.672	VV	29	388	0.10%	0.067%
11	5.681	5.672	5.703	VV	21	246	0.06%	0.043%
12	5.722	5.703	5.734	VV	22	224	0.06%	0.039%
13	5.748	5.734	5.757	PV	19	146	0.04%	0.025%
14	5.765	5.757	5.773	VV	25	159	0.04%	0.028%
15	5.781	5.773	5.811	VV	25	208	0.05%	0.036%
16	5.843	5.811	5.859	PV	29	479	0.12%	0.083%
17	5.868	5.859	5.887	VV	26	280	0.07%	0.048%
18	5.897	5.887	5.906	VV	27	208	0.05%	0.036%
19	5.916	5.906	5.931	VV	35	375	0.09%	0.065%
20	5.939	5.931	5.947	VV	27	194	0.05%	0.034%
21	5.968	5.947	5.993	VV	27	486	0.12%	0.084%
22	6.001	5.993	6.010	VV	16	129	0.03%	0.022%
23	6.020	6.010	6.029	VV	19	163	0.04%	0.028%
24	6.036	6.029	6.043	VV	18	118	0.03%	0.020%
25	6.056	6.043	6.074	VV	25	271	0.07%	0.047%
26	6.098	6.074	6.108	VV	22	334	0.08%	0.058%
27	6.142	6.108	6.163	VV	29	578	0.14%	0.100%
28	6.190	6.163	6.252	VV	29	1005	0.25%	0.174%
29	6.274	6.252	6.309	VV	40	1004	0.25%	0.174%
30	6.361	6.309	6.388	VV	48	1760	0.44%	0.305%
31	6.403	6.388	6.452	VV	42	1110	0.28%	0.192%
32	6.464	6.452	6.512	VV	23	587	0.15%	0.102%
33	6.521	6.512	6.532	VV	20	172	0.04%	0.030%
34	6.542	6.532	6.554	VV	34	243	0.06%	0.042%
35	6.573	6.554	6.591	PV	27	279	0.07%	0.048%
36	6.613	6.591	6.633	VV	16	187	0.05%	0.032%

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37	6.648	6.633	6.661	VV	25	204	0.05%	0.035%
38	6.679	6.661	6.717	VV	19	344	0.09%	0.060%
39	6.745	6.717	6.756	VV	32	512	0.13%	0.089%
40	6.772	6.756	6.810	VV	48	1071	0.27%	0.185%
41	6.818	6.810	6.875	VB	34	636	0.16%	0.110%
42	6.923	6.878	6.965	BV	8	159	0.04%	0.027%
43	6.981	6.965	6.998	PV	23	263	0.07%	0.046%
44	7.040	6.998	7.078	VV	42	977	0.24%	0.169%
45	7.088	7.078	7.095	VV	33	282	0.07%	0.049%
46	7.108	7.095	7.128	VV	35	506	0.13%	0.088%
47	7.137	7.128	7.144	VV	30	217	0.05%	0.038%
48	7.152	7.144	7.188	VV	30	557	0.14%	0.096%
49	7.198	7.188	7.209	PV	26	197	0.05%	0.034%
50	7.217	7.209	7.226	VV	22	153	0.04%	0.026%
51	7.234	7.226	7.251	VV	24	245	0.06%	0.042%
52	7.260	7.251	7.282	VV	16	149	0.04%	0.026%
53	7.306	7.282	7.315	PV	18	235	0.06%	0.041%
54	7.333	7.315	7.357	VV	24	417	0.10%	0.072%
55	7.395	7.357	7.403	VV	43	672	0.17%	0.116%
56	7.429	7.403	7.446	VV	28	549	0.14%	0.095%
57	7.466	7.446	7.496	VV	32	546	0.14%	0.095%
58	7.517	7.496	7.534	VV	22	367	0.09%	0.064%
59	7.546	7.534	7.621	VV	22	778	0.19%	0.135%
60	7.671	7.621	7.691	VV	37	985	0.25%	0.171%
61	7.704	7.691	7.738	VV	49	897	0.22%	0.155%
62	7.766	7.738	7.795	VV	39	965	0.24%	0.167%
63	7.816	7.795	7.870	VV	41	1137	0.28%	0.197%
64	7.888	7.870	7.909	VV	34	682	0.17%	0.118%
65	7.923	7.909	7.955	VV	36	890	0.22%	0.154%
66	7.963	7.955	7.993	VV	40	650	0.16%	0.113%
67	8.005	7.993	8.030	VV	29	542	0.13%	0.094%
68	8.039	8.030	8.059	VV	34	432	0.11%	0.075%
69	8.069	8.059	8.078	VV	37	294	0.07%	0.051%
70	8.089	8.078	8.108	VV	27	364	0.09%	0.063%
71	8.117	8.108	8.137	VV	35	477	0.12%	0.083%
72	8.157	8.137	8.169	VV	35	514	0.13%	0.089%
73	8.178	8.169	8.220	VV	38	870	0.22%	0.151%
74	8.230	8.220	8.280	VV	32	826	0.21%	0.143%
75	8.300	8.280	8.308	VV	37	422	0.11%	0.073%
76	8.322	8.308	8.342	VV	33	445	0.11%	0.077%
77	8.367	8.342	8.392	VV	31	736	0.18%	0.128%
78	8.417	8.392	8.450	VV	42	788	0.20%	0.137%
79	8.476	8.450	8.485	VV	21	362	0.09%	0.063%
80	8.501	8.485	8.519	VV	24	386	0.10%	0.067%
81	8.553	8.519	8.563	VV	29	615	0.15%	0.107%
82	8.567	8.563	8.590	VV	31	340	0.08%	0.059%
83	8.598	8.590	8.608	VV	20	172	0.04%	0.030%
84	8.625	8.608	8.637	VV	32	355	0.09%	0.061%
85	8.794	8.637	8.967	VV	6883	401589	100.00%	69.574%
86	8.977	8.967	9.024	VV	133	3329	0.83%	0.577%
87	9.058	9.024	9.093	VV	79	2486	0.62%	0.431%
88	9.105	9.093	9.125	VV	53	849	0.21%	0.147%
89	9.146	9.125	9.161	VV	53	839	0.21%	0.145%

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90	9.182	9.161	9.198	VV	50	785	0.20%	0.136%
91	9.207	9.198	9.218	VV	27	315	0.08%	0.055%
92	9.230	9.218	9.239	VV	33	317	0.08%	0.055%
93	9.250	9.239	9.265	VV	44	357	0.09%	0.062%
94	9.288	9.265	9.299	PV	24	259	0.06%	0.045%
95	9.325	9.299	9.336	VV	26	449	0.11%	0.078%
96	9.375	9.336	9.385	VV	31	696	0.17%	0.121%
97	9.394	9.385	9.422	VV	37	601	0.15%	0.104%
98	9.426	9.422	9.490	VV	33	990	0.25%	0.172%
99	9.508	9.490	9.539	VV	41	701	0.17%	0.121%
100	9.545	9.539	9.560	VV	22	178	0.04%	0.031%
101	9.587	9.560	9.630	VV	43	818	0.20%	0.142%
102	9.655	9.630	9.665	VV	27	419	0.10%	0.073%
103	9.673	9.665	9.680	VV	27	153	0.04%	0.027%
104	9.697	9.680	9.737	VV	26	649	0.16%	0.112%
105	9.777	9.737	9.787	VV	33	511	0.13%	0.089%
106	9.818	9.787	9.829	VV	28	525	0.13%	0.091%
107	9.841	9.829	9.850	VV	26	257	0.06%	0.045%
108	9.862	9.850	9.872	VV	26	256	0.06%	0.044%
109	9.890	9.872	9.921	VV	39	623	0.16%	0.108%
110	9.942	9.921	9.960	VV	19	339	0.08%	0.059%
111	9.986	9.960	10.007	VV	24	460	0.11%	0.080%
112	10.014	10.007	10.024	VV	21	132	0.03%	0.023%
113	10.035	10.024	10.046	VV	19	205	0.05%	0.036%
114	10.062	10.046	10.095	VV	37	551	0.14%	0.095%
115	10.111	10.095	10.123	VV	34	298	0.07%	0.052%
116	10.138	10.123	10.165	VV	38	564	0.14%	0.098%
117	10.187	10.165	10.201	VV	42	591	0.15%	0.102%
118	10.248	10.201	10.258	VV	44	1017	0.25%	0.176%
119	10.262	10.258	10.280	VV	32	344	0.09%	0.060%
120	10.319	10.280	10.332	VV	76	1543	0.38%	0.267%
121	10.376	10.332	10.387	VV	81	2260	0.56%	0.392%
122	10.397	10.387	10.408	VV	77	823	0.20%	0.142%
123	10.416	10.408	10.431	VV	68	855	0.21%	0.148%
124	10.440	10.431	10.476	VV	69	1199	0.30%	0.208%
125	10.490	10.476	10.508	VV	43	615	0.15%	0.106%
126	10.518	10.508	10.552	VV	31	649	0.16%	0.112%
127	10.577	10.552	10.588	VV	47	709	0.18%	0.123%
128	10.602	10.588	10.616	VV	60	769	0.19%	0.133%
129	10.636	10.616	10.671	VV	53	1426	0.36%	0.247%
130	10.680	10.671	10.727	VV	30	869	0.22%	0.150%
131	10.741	10.727	10.752	VV	33	431	0.11%	0.075%
132	10.766	10.752	10.795	VV	56	1079	0.27%	0.187%
133	10.818	10.795	10.849	VV	53	1039	0.26%	0.180%
134	10.859	10.849	10.870	VV	30	290	0.07%	0.050%
135	10.878	10.870	10.887	VV	24	151	0.04%	0.026%
136	10.901	10.887	10.911	VV	19	218	0.05%	0.038%
137	10.950	10.911	10.959	VV	28	624	0.16%	0.108%
138	10.974	10.959	10.988	VV	29	354	0.09%	0.061%
139	11.001	10.988	11.014	VV	30	358	0.09%	0.062%
140	11.020	11.014	11.039	VV	39	386	0.10%	0.067%
141	11.049	11.039	11.063	VV	34	245	0.06%	0.043%

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142	11.073	11.063	11.081	VV	15	77	0.02%	0.013%
143	11.114	11.081	11.123	VV	24	404	0.10%	0.070%
144	11.143	11.123	11.152	VV	25	321	0.08%	0.056%
145	11.161	11.152	11.170	VV	27	207	0.05%	0.036%
146	11.180	11.170	11.206	VV	27	425	0.11%	0.074%
147	11.215	11.206	11.247	VV	34	494	0.12%	0.086%
148	11.256	11.247	11.265	VV	33	219	0.05%	0.038%
149	11.284	11.265	11.331	VV	20	512	0.13%	0.089%
150	11.342	11.331	11.375	VV	28	437	0.11%	0.076%
151	11.390	11.375	11.399	VV	27	243	0.06%	0.042%
152	11.470	11.399	11.480	VV	38	1055	0.26%	0.183%
153	11.494	11.480	11.502	VV	36	336	0.08%	0.058%
154	11.512	11.502	11.538	VV	41	591	0.15%	0.102%
155	11.565	11.538	11.577	VV	28	424	0.11%	0.074%
156	11.607	11.577	11.614	VV	35	513	0.13%	0.089%
157	11.635	11.614	11.653	VV	62	1002	0.25%	0.174%
158	11.667	11.653	11.676	VV	47	550	0.14%	0.095%
159	11.701	11.676	11.733	VV	50	1211	0.30%	0.210%
160	11.741	11.733	11.751	VV	34	329	0.08%	0.057%
161	11.764	11.751	11.786	VV	58	642	0.16%	0.111%
162	11.816	11.786	11.823	VV	28	491	0.12%	0.085%
163	11.833	11.823	11.843	VV	39	386	0.10%	0.067%
164	11.873	11.843	11.886	VV	47	958	0.24%	0.166%
165	11.902	11.886	11.933	VV	53	1063	0.26%	0.184%
166	11.942	11.933	11.954	VV	30	319	0.08%	0.055%
167	11.967	11.954	11.983	VV	30	303	0.08%	0.053%
168	12.008	11.983	12.055	VV	28	981	0.24%	0.170%
169	12.064	12.055	12.069	VV	27	198	0.05%	0.034%
170	12.077	12.069	12.101	VV	31	485	0.12%	0.084%
171	12.110	12.101	12.119	VV	37	316	0.08%	0.055%
172	12.129	12.119	12.150	VV	33	481	0.12%	0.083%
173	12.160	12.150	12.191	VV	24	421	0.10%	0.073%
174	12.238	12.191	12.259	VV	20	467	0.12%	0.081%
175	12.272	12.259	12.295	PV	25	273	0.07%	0.047%
176	12.307	12.295	12.316	VV	16	141	0.04%	0.024%
177	12.346	12.316	12.378	VV	31	422	0.11%	0.073%
178	12.401	12.378	12.414	VV	18	248	0.06%	0.043%
179	12.428	12.414	12.476	VB	36	305	0.08%	0.053%
180	12.515	12.495	12.534	BV	13	171	0.04%	0.030%
181	12.564	12.534	12.573	VV	13	215	0.05%	0.037%
182	12.579	12.573	12.585	VV	16	70	0.02%	0.012%
183	12.597	12.585	12.606	VV	24	149	0.04%	0.026%
184	12.650	12.606	12.681	VV	37	617	0.15%	0.107%
185	12.710	12.681	12.722	PV	30	541	0.13%	0.094%
186	12.762	12.722	12.780	VV	46	1242	0.31%	0.215%
187	12.794	12.780	12.859	VV	33	1297	0.32%	0.225%
188	12.877	12.859	12.887	VV	33	377	0.09%	0.065%
189	12.896	12.887	12.911	VV	32	275	0.07%	0.048%
190	12.924	12.911	12.945	VV	40	503	0.13%	0.087%
191	12.987	12.945	12.996	VV	39	730	0.18%	0.126%
192	13.012	12.996	13.022	VV	38	433	0.11%	0.075%
193	13.054	13.022	13.063	VV	50	872	0.22%	0.151%
194	13.068	13.063	13.113	VV	36	652	0.16%	0.113%

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195	13.184	13.113	13.224	VV	52	2301	0.57%	0.399%
196	13.236	13.224	13.260	VV	39	647	0.16%	0.112%
197	13.269	13.260	13.302	VV	34	510	0.13%	0.088%
198	13.311	13.302	13.316	VV	19	117	0.03%	0.020%
199	13.345	13.316	13.369	VV	34	640	0.16%	0.111%
200	13.385	13.369	13.410	VV	22	369	0.09%	0.064%
201	13.421	13.410	13.434	VV	20	165	0.04%	0.029%
202	13.477	13.434	13.490	PV	36	618	0.15%	0.107%
203	13.526	13.490	13.581	VV	46	1784	0.44%	0.309%
204	13.588	13.581	13.620	VV	34	608	0.15%	0.105%
205	13.634	13.620	13.650	VV	23	266	0.07%	0.046%
206	13.682	13.650	13.692	VV	28	468	0.12%	0.081%
207	13.698	13.692	13.726	VV	21	349	0.09%	0.061%
208	13.746	13.726	13.772	VV	20	439	0.11%	0.076%
209	13.793	13.772	13.847	VV	30	994	0.25%	0.172%
210	13.863	13.847	13.875	VV	39	421	0.10%	0.073%
211	13.922	13.875	13.939	VV	46	1316	0.33%	0.228%
212	14.128	13.939	14.329	VV	282	28203	7.02%	4.886%
213	14.356	14.329	14.364	VV	33	491	0.12%	0.085%
214	14.377	14.364	14.387	VV	41	455	0.11%	0.079%
215	14.410	14.387	14.429	VV	42	933	0.23%	0.162%
216	14.447	14.429	14.490	VV	44	831	0.21%	0.144%
217	14.512	14.490	14.539	VV	24	416	0.10%	0.072%
218	14.552	14.539	14.563	VV	22	162	0.04%	0.028%
219	14.578	14.563	14.597	VV	25	279	0.07%	0.048%
220	14.619	14.597	14.625	VV	17	201	0.05%	0.035%
221	14.637	14.625	14.676	VV	28	421	0.10%	0.073%
222	14.686	14.676	14.746	PV	22	432	0.11%	0.075%
223	14.777	14.746	14.794	VV	37	538	0.13%	0.093%
224	14.820	14.794	14.831	VV	40	404	0.10%	0.070%
225	14.844	14.831	14.853	VV	47	394	0.10%	0.068%
226	14.878	14.853	14.894	VV	42	656	0.16%	0.114%
227	14.907	14.894	14.923	VV	27	304	0.08%	0.053%
228	14.955	14.923	14.975	VV	24	475	0.12%	0.082%
229	15.064	14.975	15.073	VV	93	3181	0.79%	0.551%
230	15.078	15.073	15.109	VV	86	1331	0.33%	0.231%
231	15.118	15.109	15.147	VV	44	759	0.19%	0.132%
232	15.178	15.147	15.201	VV	42	966	0.24%	0.167%
233	15.211	15.201	15.222	VV	30	325	0.08%	0.056%
234	15.249	15.222	15.272	VV	47	796	0.20%	0.138%
235	15.283	15.272	15.292	VV	40	338	0.08%	0.059%
236	15.311	15.292	15.326	VV	37	623	0.16%	0.108%
237	15.334	15.326	15.341	VV	29	237	0.06%	0.041%
238	15.400	15.341	15.454	VV	62	2505	0.62%	0.434%
239	15.486	15.454	15.495	VV	64	1174	0.29%	0.203%
240	15.506	15.495	15.561	VV	51	1647	0.41%	0.285%
241	15.579	15.561	15.613	VV	42	872	0.22%	0.151%
242	15.623	15.613	15.632	VV	32	219	0.05%	0.038%
243	15.641	15.632	15.703	VV	32	698	0.17%	0.121%
244	15.717	15.703	15.758	VV	14	336	0.08%	0.058%
245	15.804	15.758	15.822	VV	28	570	0.14%	0.099%
246	15.829	15.822	15.835	PV	12	52	0.01%	0.009%

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247	15.843	15.835	15.851	VV	11	63	0.02%	0.011%
248	15.910	15.851	15.927	VV	26	592	0.15%	0.102%
249	15.943	15.927	15.962	VV	44	627	0.16%	0.109%
250	15.975	15.962	15.986	VV	25	289	0.07%	0.050%
251	16.011	15.986	16.040	VV	36	643	0.16%	0.111%
252	16.051	16.040	16.072	VV	24	267	0.07%	0.046%
253	16.082	16.072	16.096	VV	32	229	0.06%	0.040%
254	16.209	16.096	16.220	PV	77	1890	0.47%	0.327%
255	16.228	16.220	16.254	VV	40	555	0.14%	0.096%
256	16.269	16.254	16.291	VV	29	514	0.13%	0.089%
257	16.308	16.291	16.327	VV	36	502	0.13%	0.087%
258	16.349	16.327	16.380	VV	27	469	0.12%	0.081%
			Sum of corrected areas:			577212		

FB011525.M Sat Feb 01 01:02:46 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.: Q1235 SAS No.: Q1235 SDG No.: Q1235

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

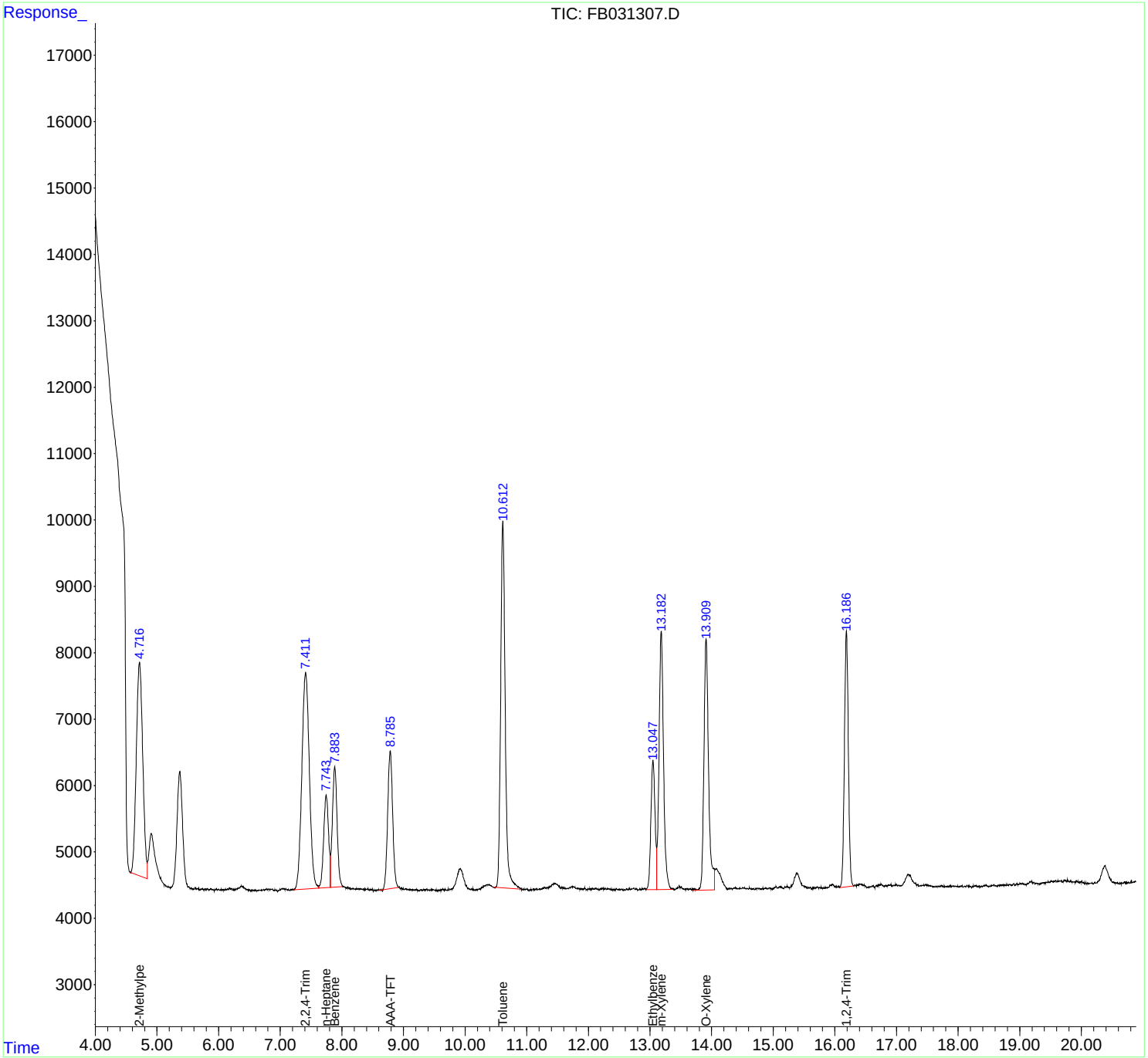
(f)=RT Delta > 1/2 Window (m)=manual int.

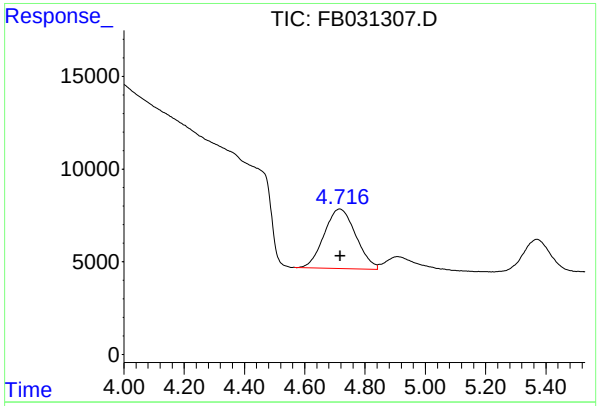
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011525\
Data File : FB031307.D
Signal(s) : FID2B.CH
Acq On : 15 Jan 2025 10:20
Operator : YP/AJ
Sample : 5 GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

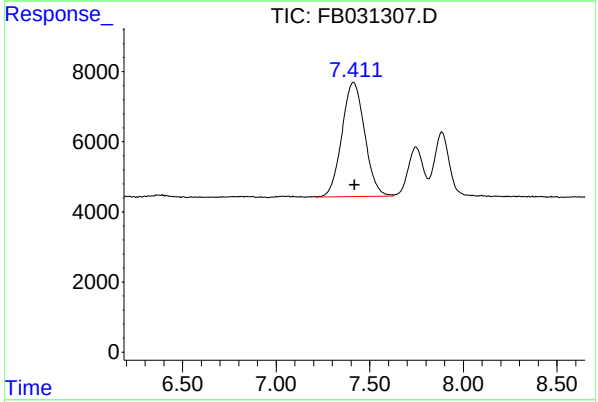




#1 2-Methylpentane

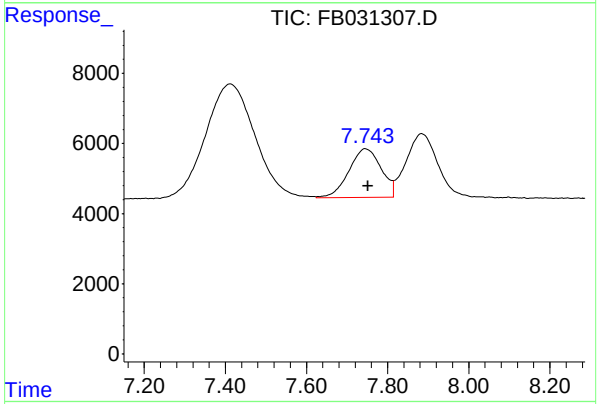
R.T.: 4.718 min
Delta R.T.: 0.000 min
Response: 233598
Conc: 7.65 ng/ml

Instrument :
FID_B
ClientSampleId :
5 GRO STD



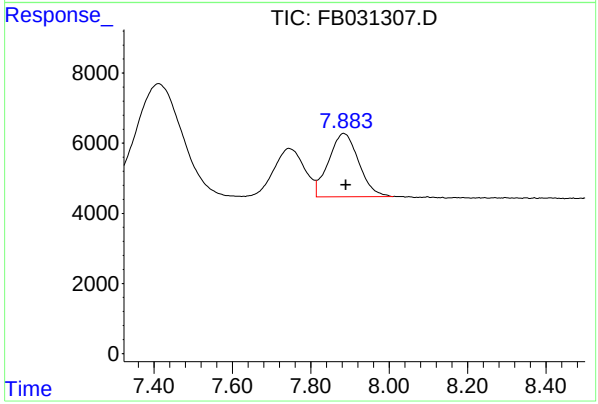
#2 2,2,4-Trimethylpentane

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



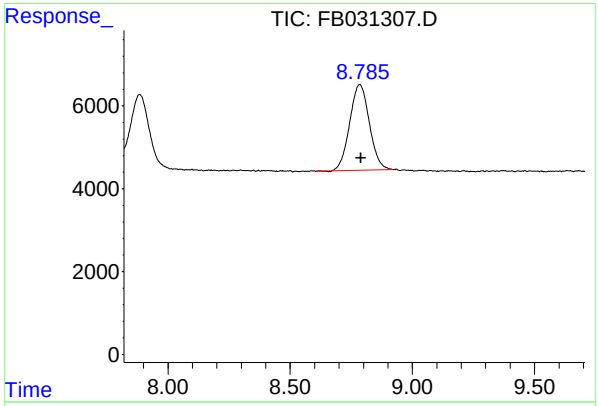
#3 n-Heptane

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



#4 Benzene

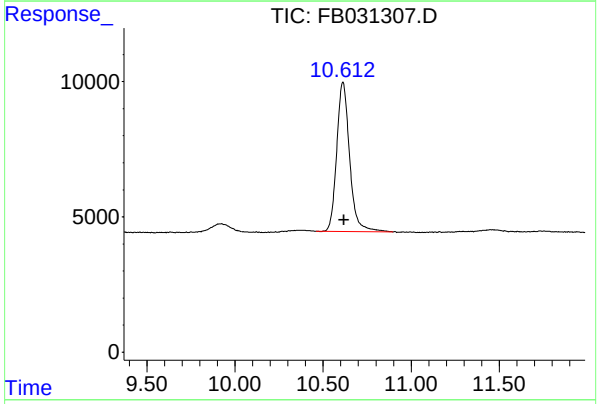
R.T.: 7.885 min
Delta R.T.: -0.005 min
Response: 96940
Conc: 2.46 ng/ml



#5 AAA-TFT

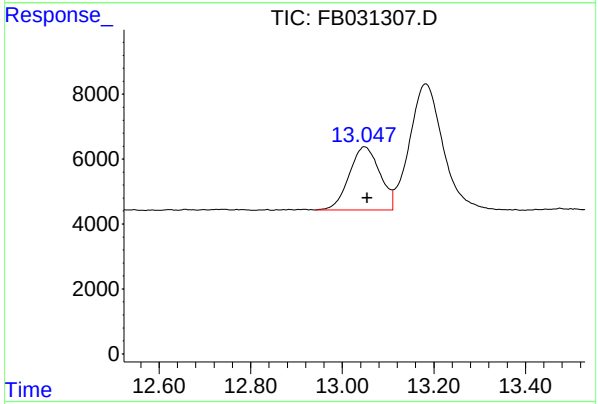
R.T.: 8.786 min
Delta R.T.: -0.003 min
Response: 115906
Conc: 4.68 ng/ml

Instrument :
FID_B
ClientSampleId :
5 GRO STD



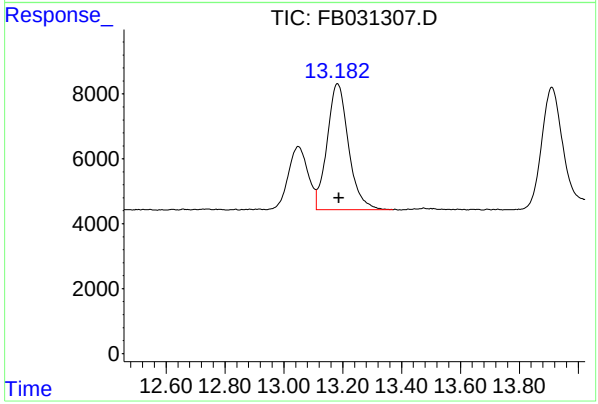
#6 Toluene

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



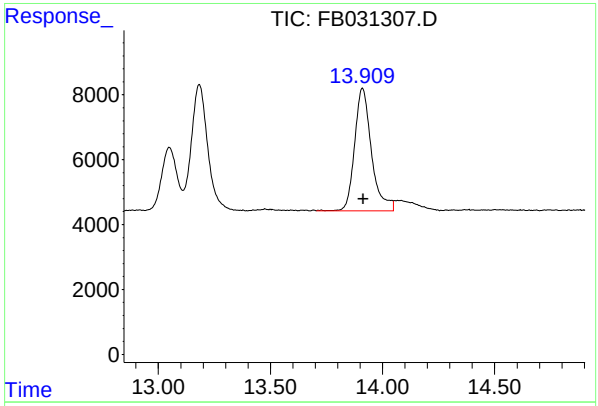
#7 Ethylbenzene

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



#8 m-Xylene

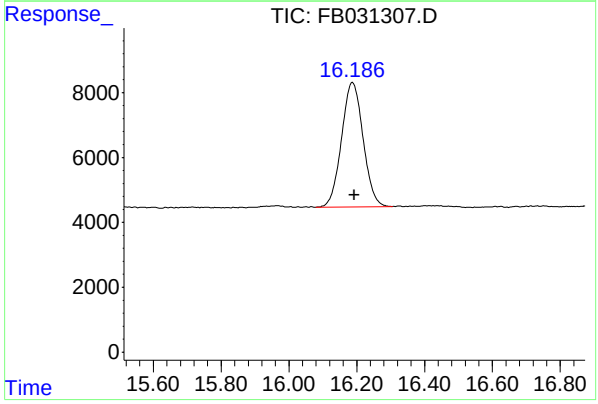
R.T.: 13.183 min
Delta R.T.: -0.005 min
Response: 196650
Conc: 5.78 ng/ml



#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

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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

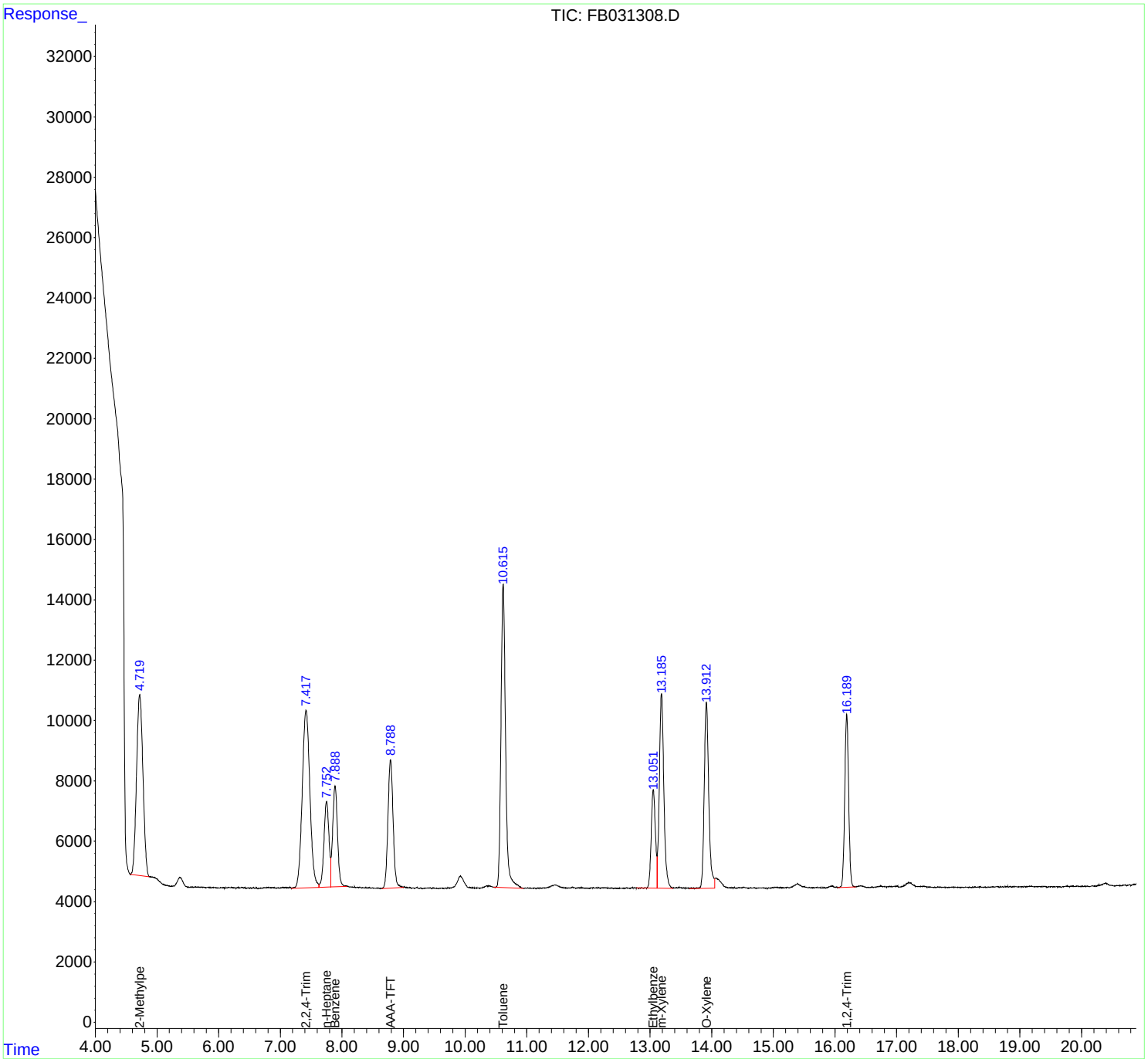
(f)=RT Delta > 1/2 Window (m)=manual int.

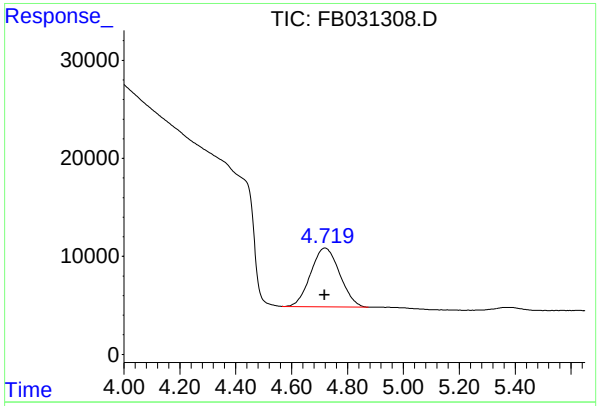
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011525\
Data File : FB031308.D
Signal(s) : FID2B.CH
Acq On : 15 Jan 2025 10:47
Operator : YP/AJ
Sample : 10 GRO STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

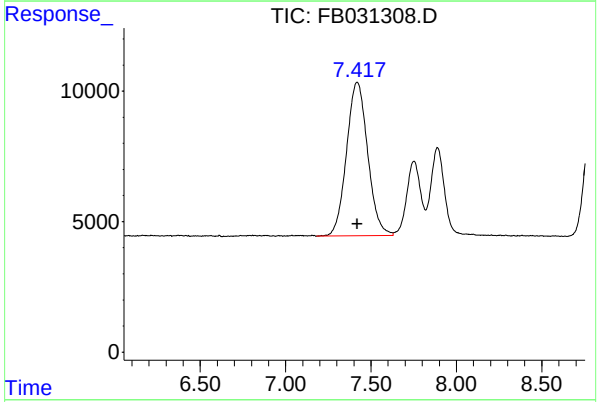




#1 2-Methylpentane

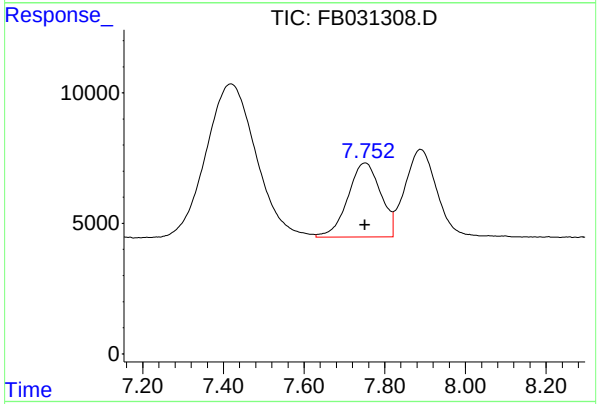
R.T.: 4.720 min
Delta R.T.: 0.002 min
Response: 431842
Conc: 14.01 ng/ml

Instrument :
FID_B
ClientSampleId :
10 GRO STD



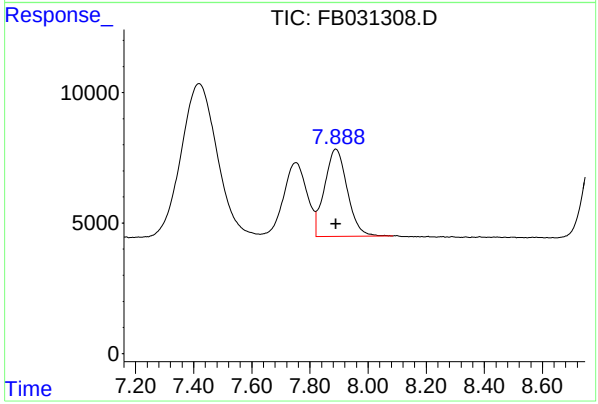
#2 2,2,4-Trimethylpentane

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



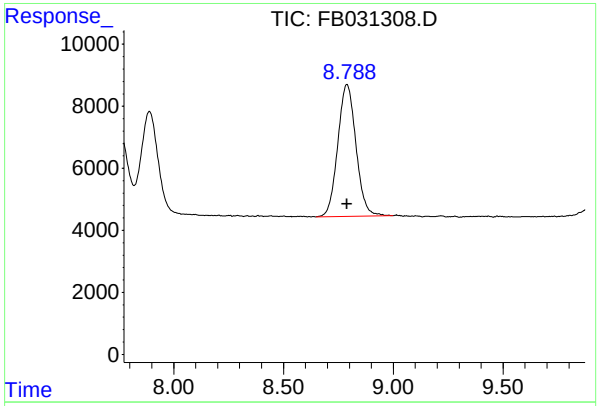
#3 n-Heptane

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



#4 Benzene

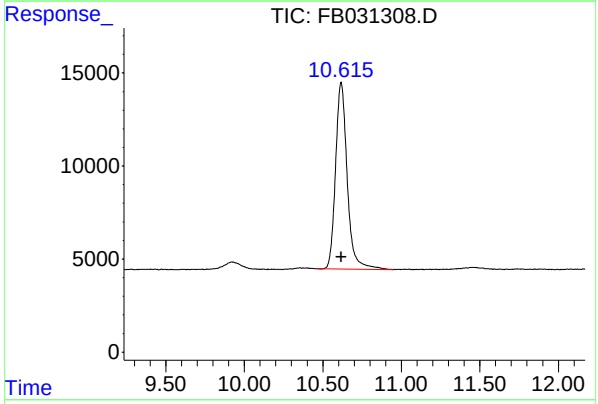
R.T.: 7.890 min
Delta R.T.: 0.000 min
Response: 182595
Conc: 4.67 ng/ml



#5 AAA-TFT

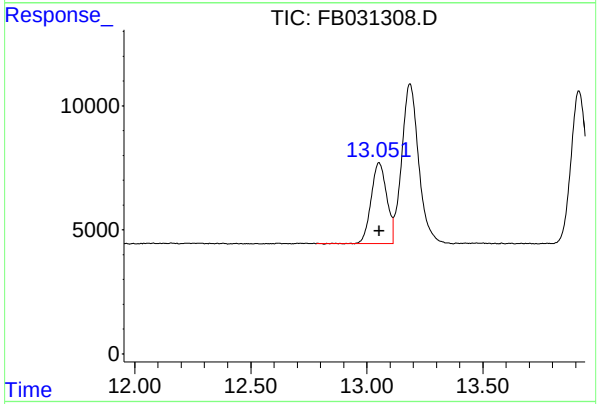
R.T.: 8.789 min
Delta R.T.: 0.000 min
Response: 244936
Conc: 10.22 ng/ml

Instrument :
FID_B
ClientSampleId :
10 GRO STD



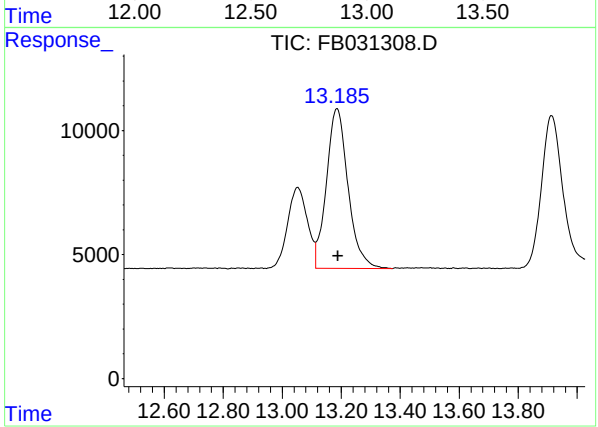
#6 Toluene

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



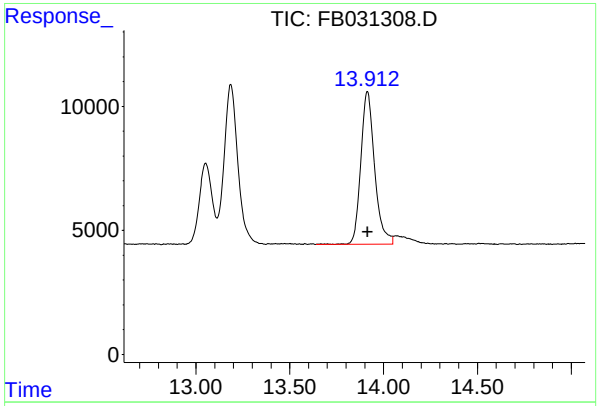
#7 Ethylbenzene

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



#8 m-Xylene

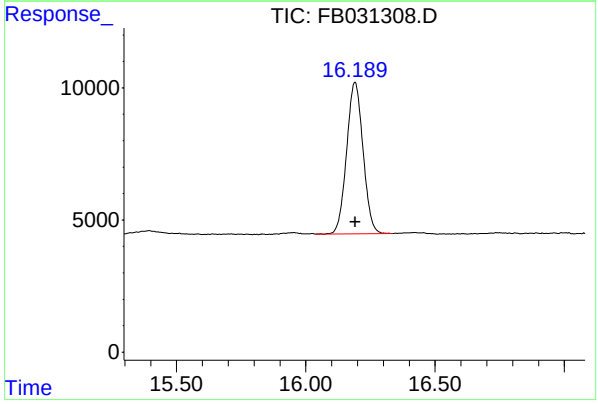
R.T.: 13.186 min
Delta R.T.: -0.002 min
Response: 328529
Conc: 8.96 ng/ml



#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.

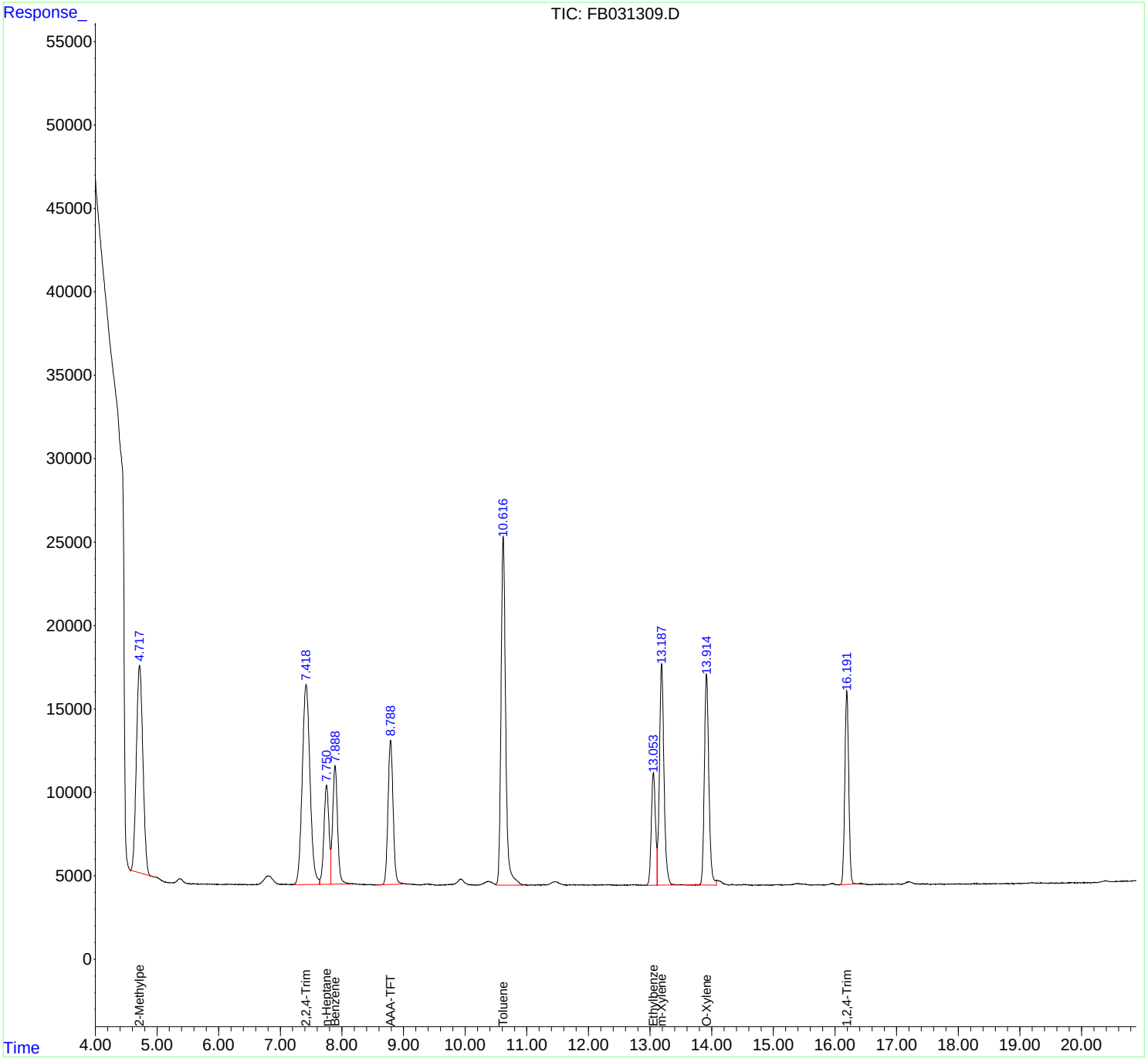
Quantitation Report (QT Reviewed)

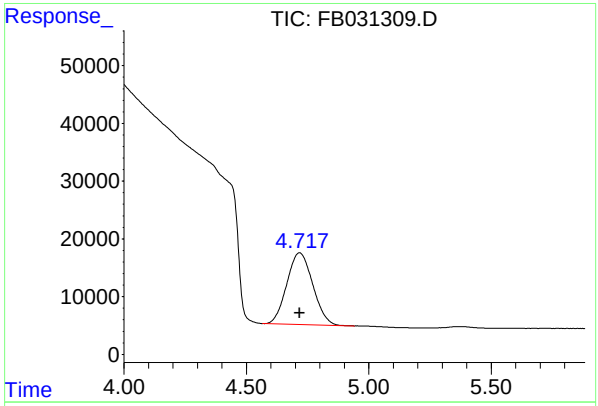
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011525\
Data File : FB031309.D
Signal(s) : FID2B.CH
Acq On : 15 Jan 2025 11:13
Operator : YP/AJ
Sample : 20 GRO STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

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

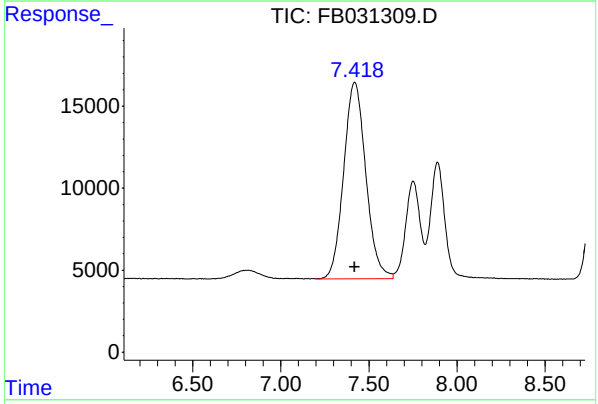




#1 2-Methylpentane

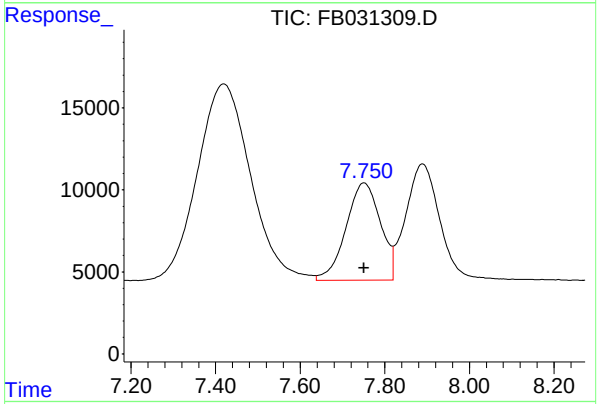
R.T.: 4.718 min
Delta R.T.: 0.000 min
Response: 915530
Conc: 30.00 ng/ml

Instrument :
FID_B
ClientSampleId :
20 GRO STD



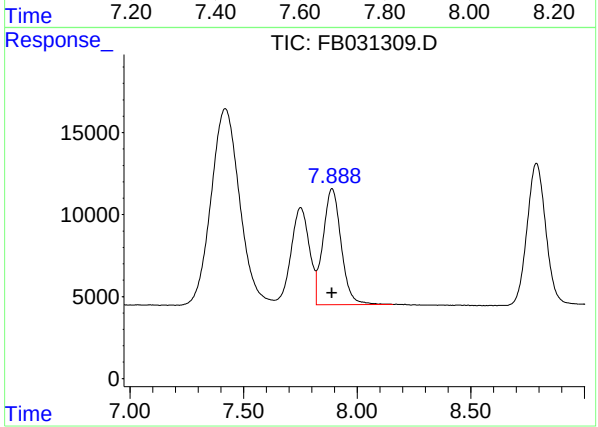
#2 2,2,4-Trimethylpentane

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



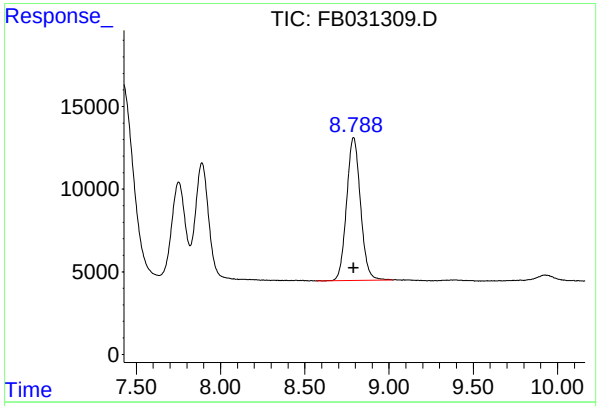
#3 n-Heptane

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



#4 Benzene

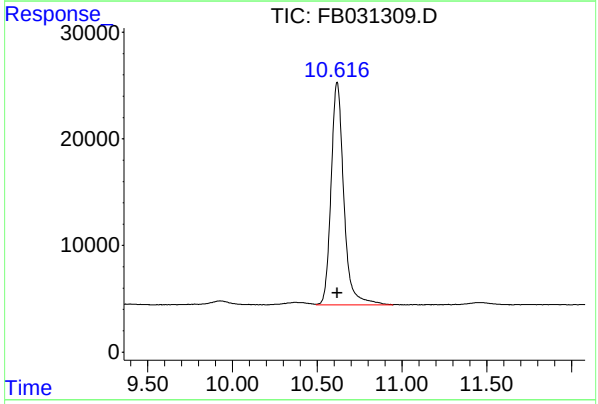
R.T.: 7.890 min
Delta R.T.: 0.000 min
Response: 394556
Conc: 10.00 ng/ml



#5 AAA-TFT

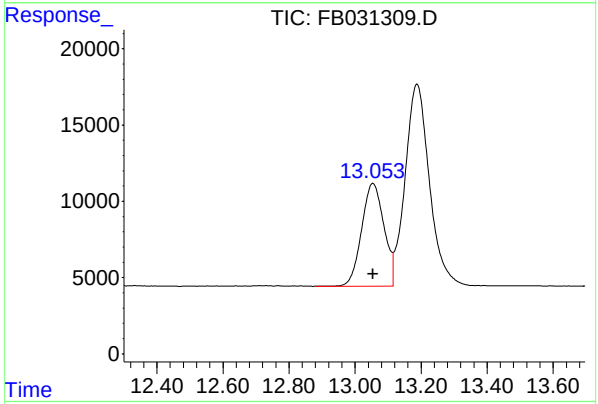
R.T.: 8.790 min
Delta R.T.: 0.000 min
Response: 495333
Conc: 20.00 ng/ml

Instrument :
FID_B
ClientSampleId :
20 GRO STD



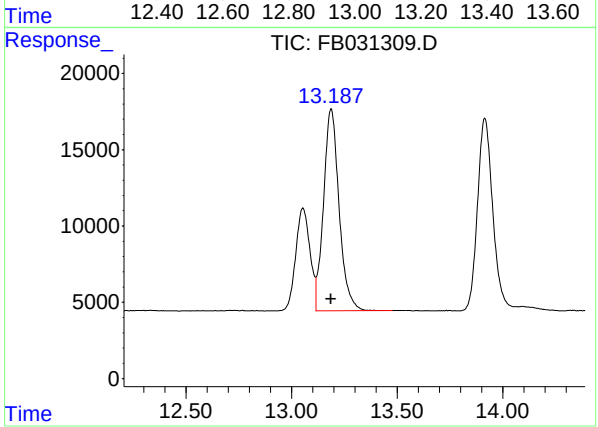
#6 Toluene

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



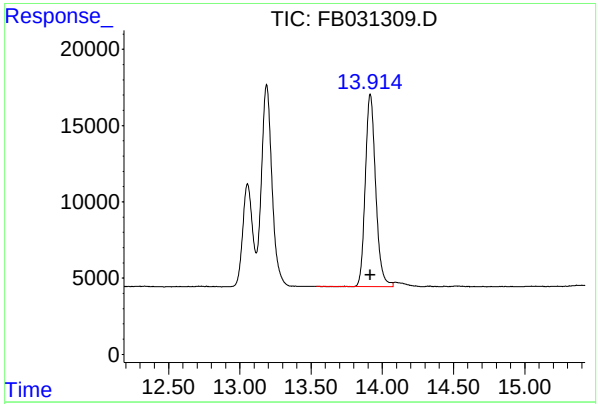
#7 Ethylbenzene

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



#8 m-Xylene

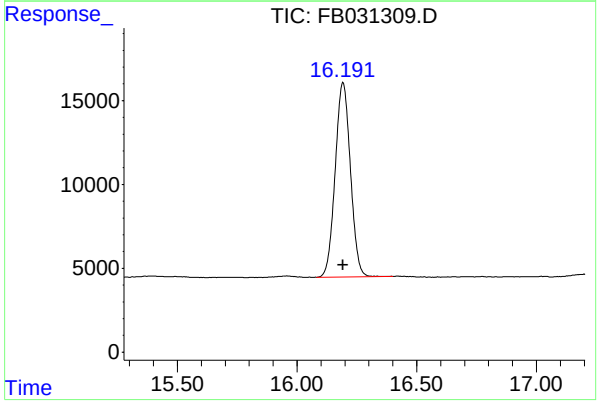
R.T.: 13.188 min
Delta R.T.: 0.000 min
Response: 679935
Conc: 20.00 ng/ml



#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

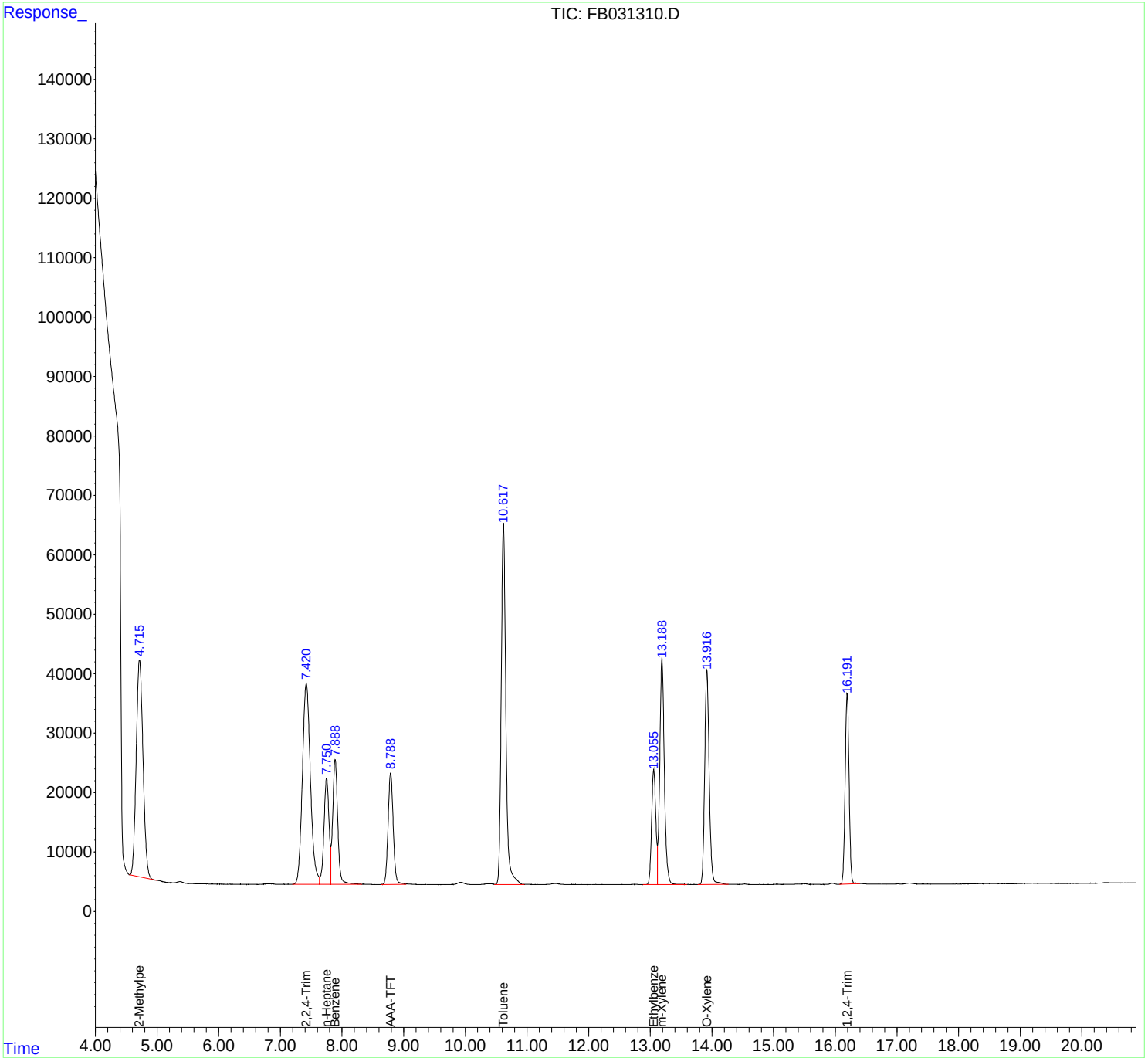
(f)=RT Delta > 1/2 Window (m)=manual int.

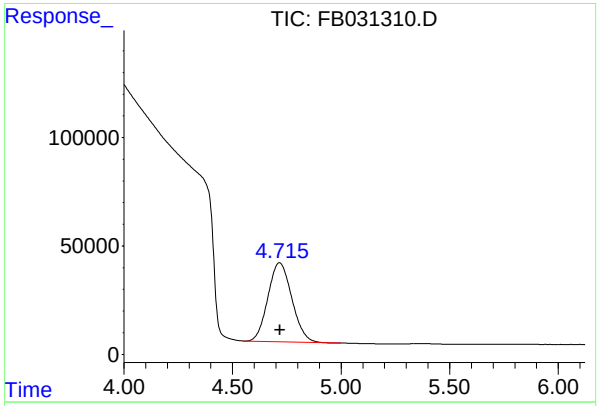
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011525\
Data File : FB031310.D
Signal(s) : FID2B.CH
Acq On : 15 Jan 2025 11:40
Operator : YP/AJ
Sample : 50 GRO STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

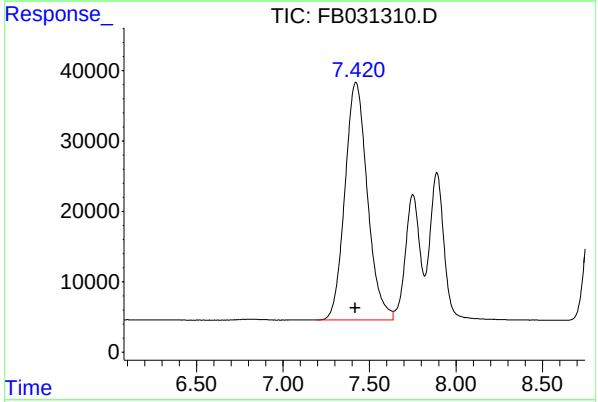




#1 2-Methylpentane

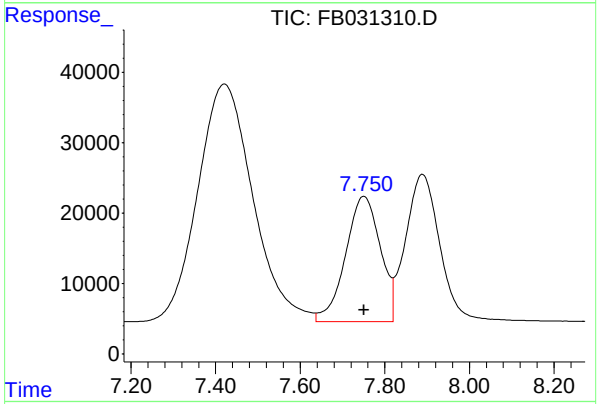
R.T.: 4.716 min
Delta R.T.: -0.002 min
Response: 2794680
Conc: 92.69 ng/ml

Instrument :
FID_B
ClientSampleId :
50 GRO STD



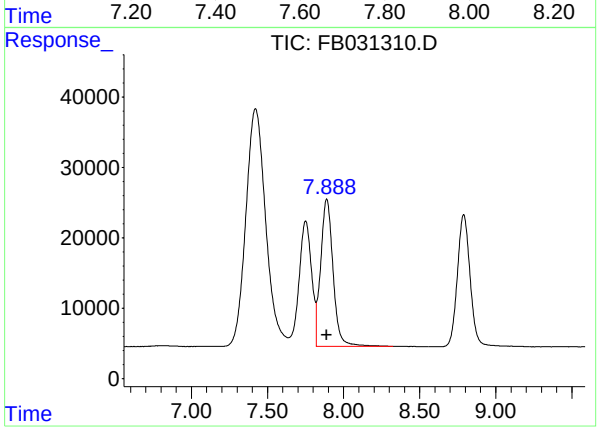
#2 2,2,4-Trimethylpentane

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



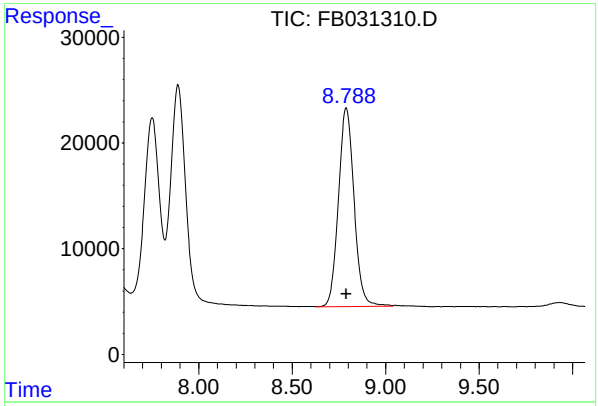
#3 n-Heptane

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



#4 Benzene

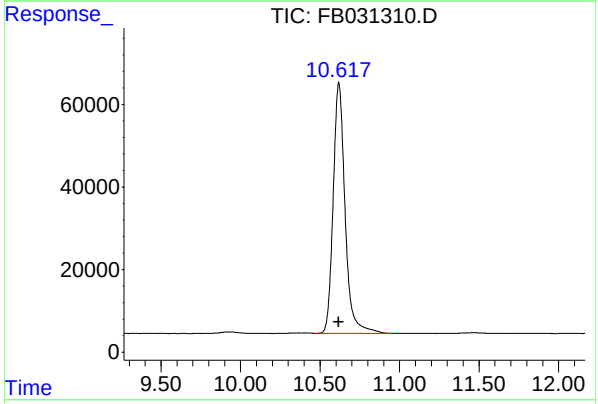
R.T.: 7.889 min
Delta R.T.: 0.000 min
Response: 1195371
Conc: 31.25 ng/ml



#5 AAA-TFT

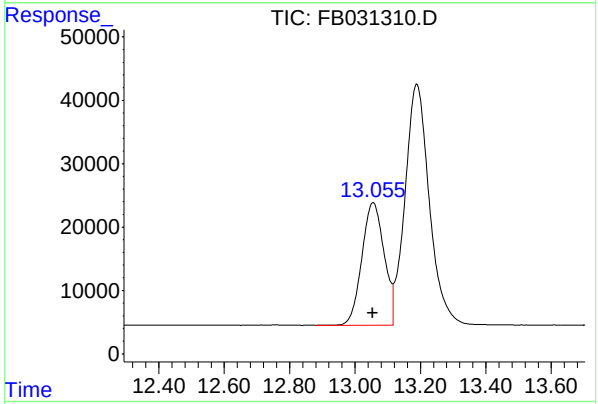
R.T.: 8.789 min
Delta R.T.: 0.000 min
Response: 1088363
Conc: 45.07 ng/ml

Instrument :
FID_B
ClientSampleId :
50 GRO STD



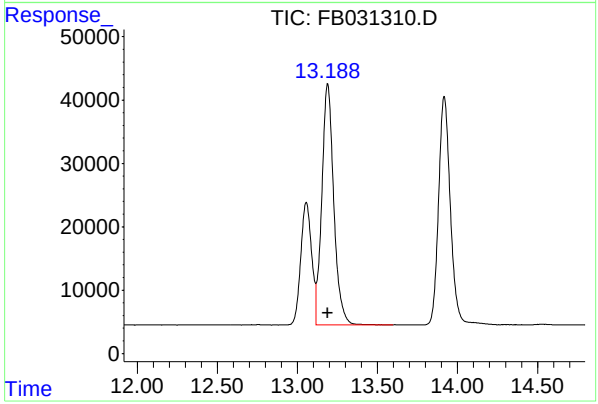
#6 Toluene

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



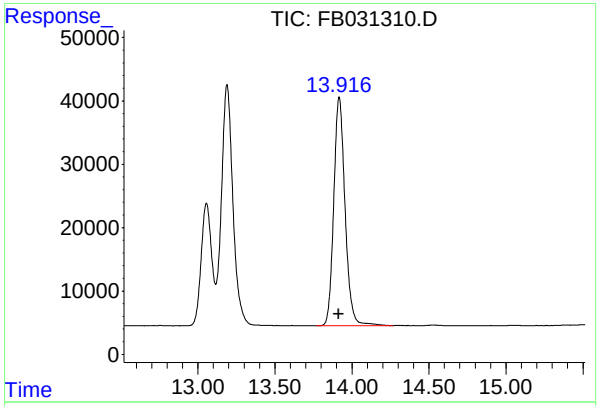
#7 Ethylbenzene

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



#8 m-Xylene

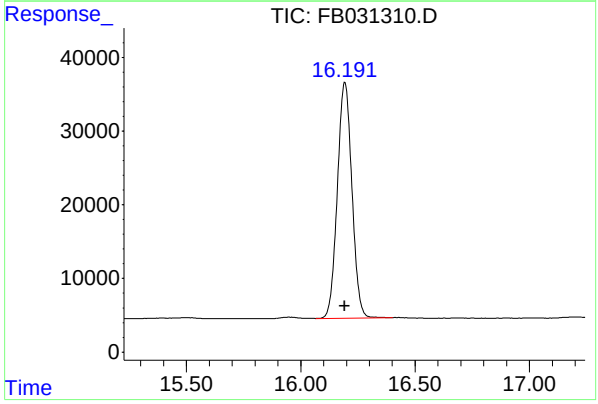
R.T.: 13.189 min
Delta R.T.: 0.001 min
Response: 1979254
Conc: 55.92 ng/ml



#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

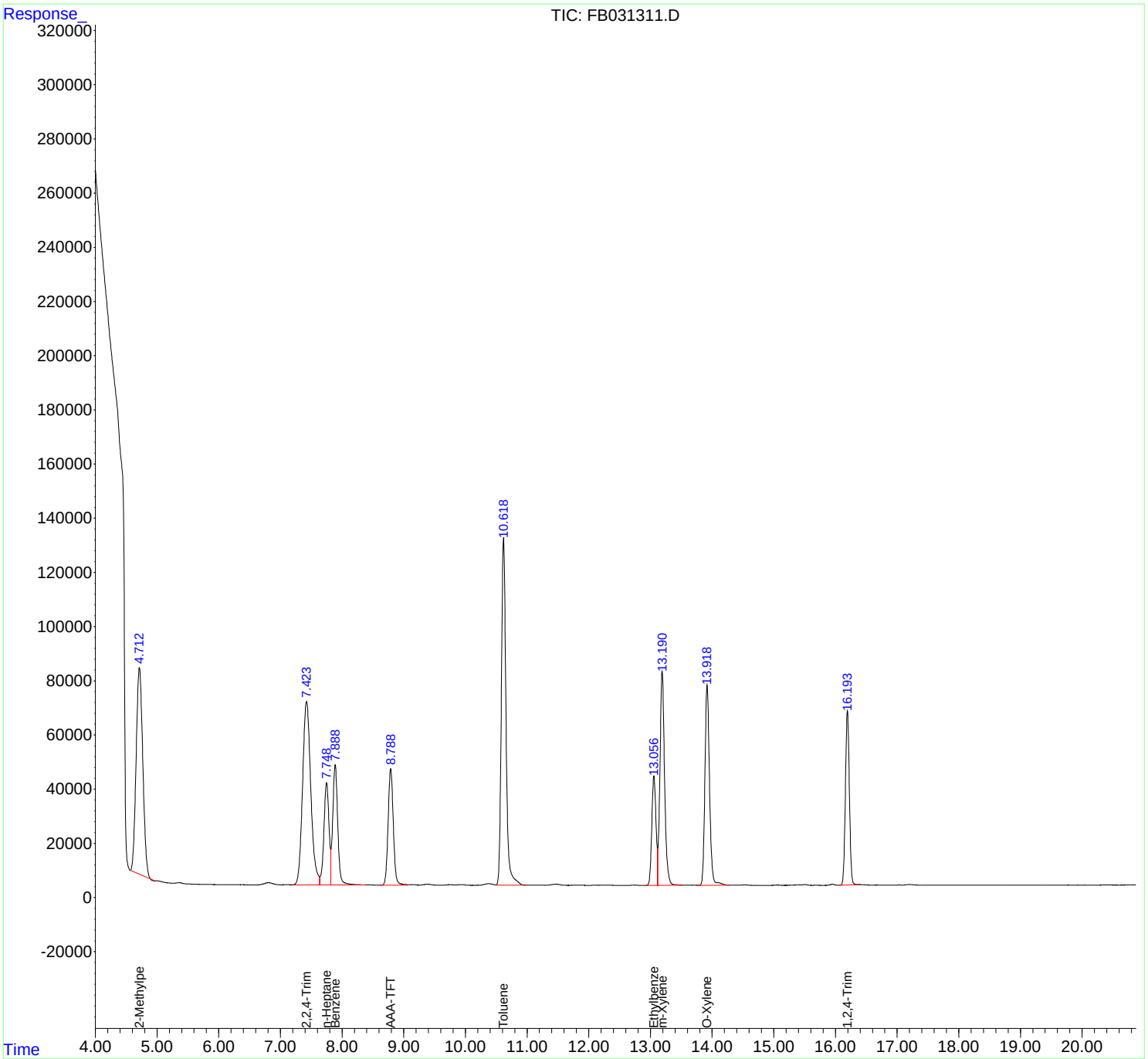
(f)=RT Delta > 1/2 Window (m)=manual int.

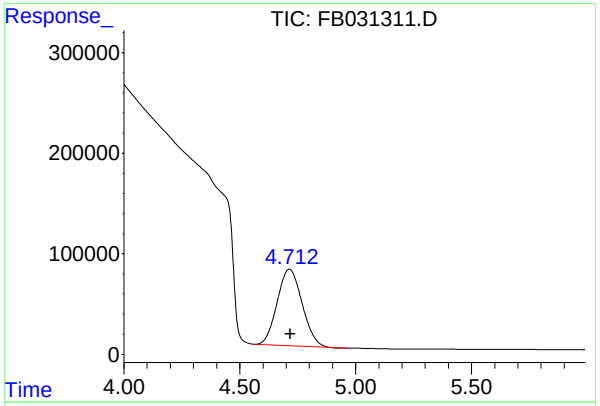
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011525\
Data File : FB031311.D
Signal(s) : FID2B.CH
Acq On : 15 Jan 2025 12:07
Operator : YP/AJ
Sample : 100 GRO STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

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

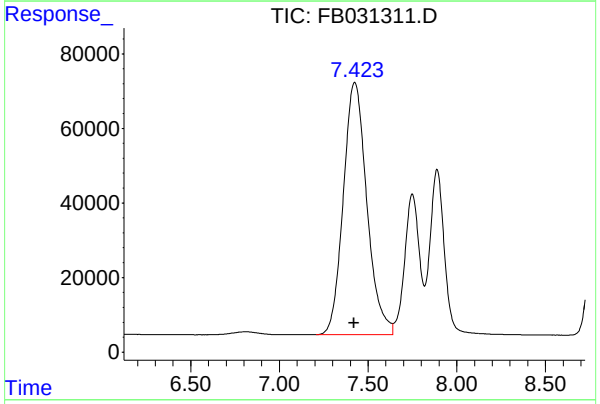




#1 2-Methylpentane

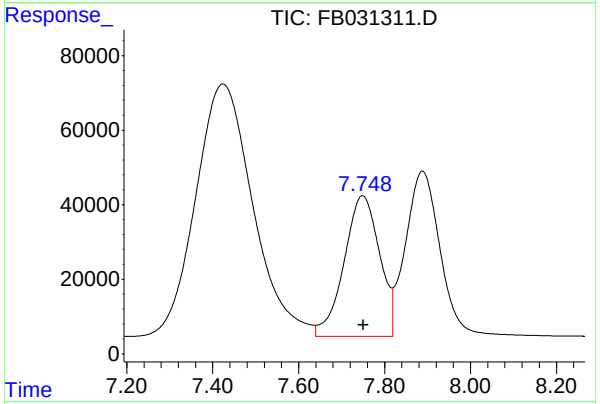
R.T.: 4.714 min
Delta R.T.: -0.004 min
Response: 5701862
Conc: 178.58 ng/ml

Instrument :
FID_B
ClientSampleId :
100 GRO STD



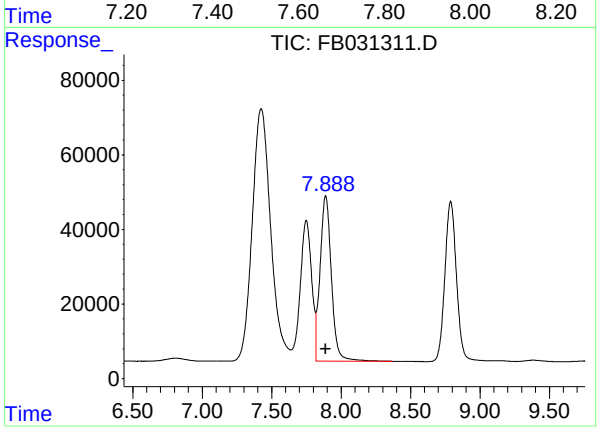
#2 2,2,4-Trimethylpentane

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



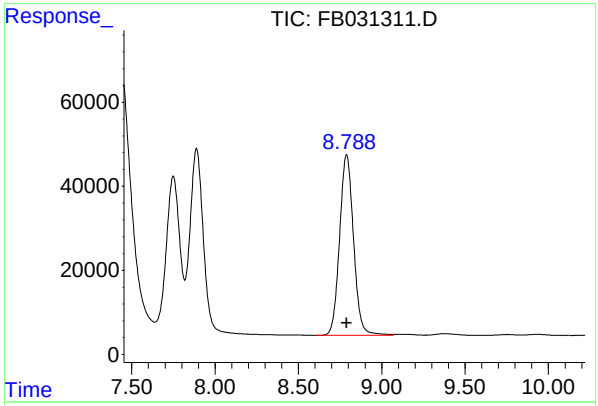
#3 n-Heptane

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



#4 Benzene

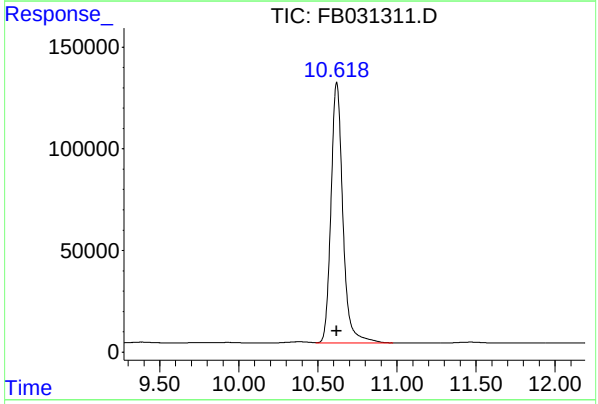
R.T.: 7.889 min
Delta R.T.: 0.000 min
Response: 2519199
Conc: 61.99 ng/ml



#5 AAA-TFT

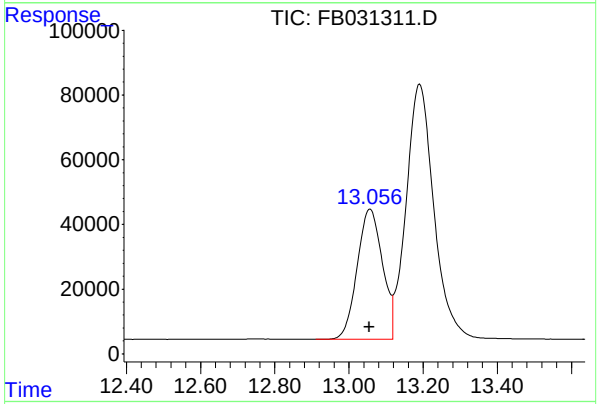
R.T.: 8.789 min
Delta R.T.: 0.000 min
Response: 2505507
Conc: 106.38 ng/ml

Instrument :
FID_B
ClientSampleId :
100 GRO STD



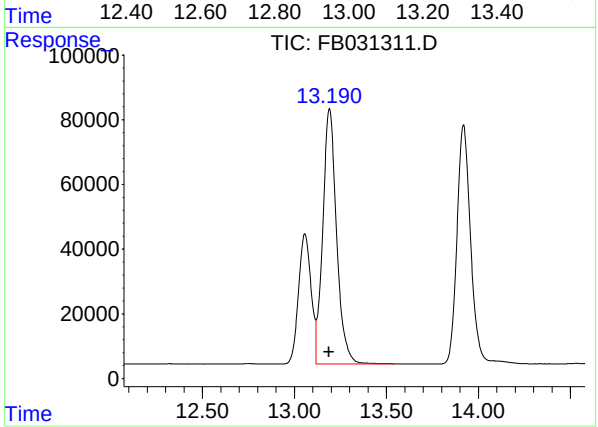
#6 Toluene

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



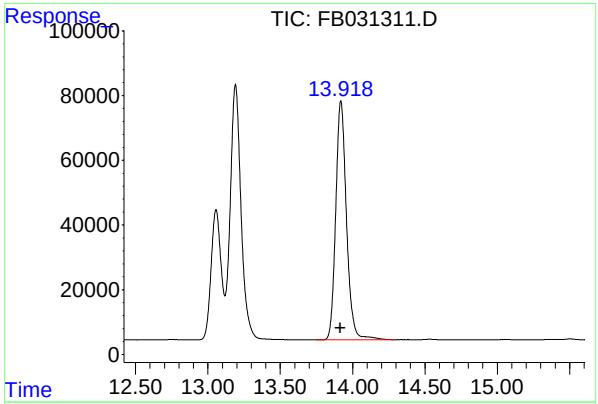
#7 Ethylbenzene

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



#8 m-Xylene

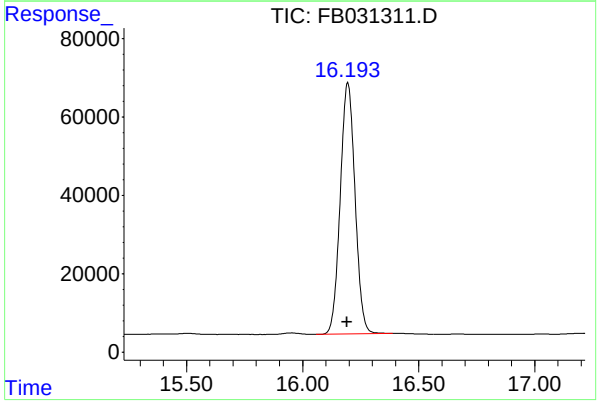
R.T.: 13.191 min
Delta R.T.: 0.003 min
Response: 4113116
Conc: 112.87 ng/ml



#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.

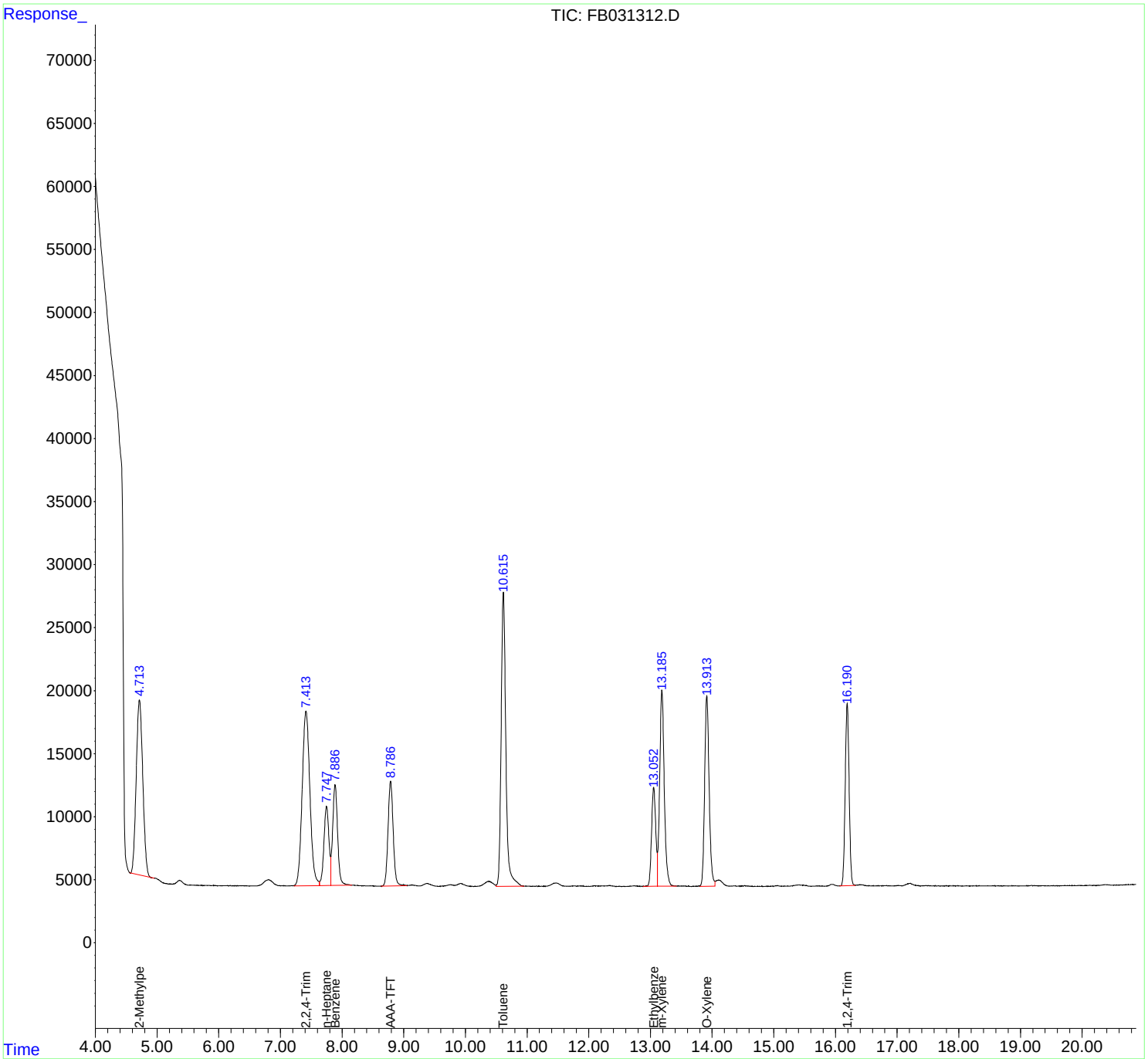
Quantitation Report (QT Reviewed)

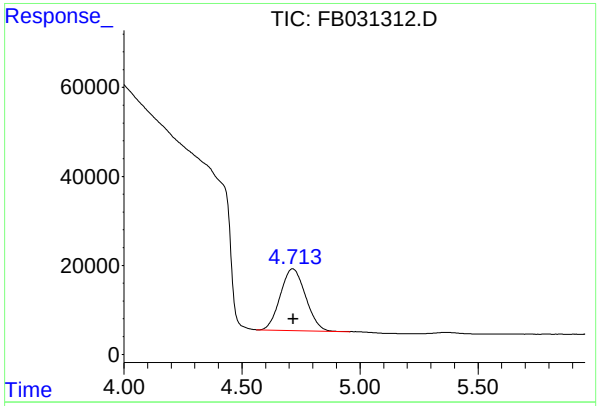
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011525\
Data File : FB031312.D
Signal(s) : FID2B.CH
Acq On : 15 Jan 2025 12:44
Operator : YP/AJ
Sample : FB011525GROICV
Misc :
ALS Vial : 6 Sample Multiplier: 1

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

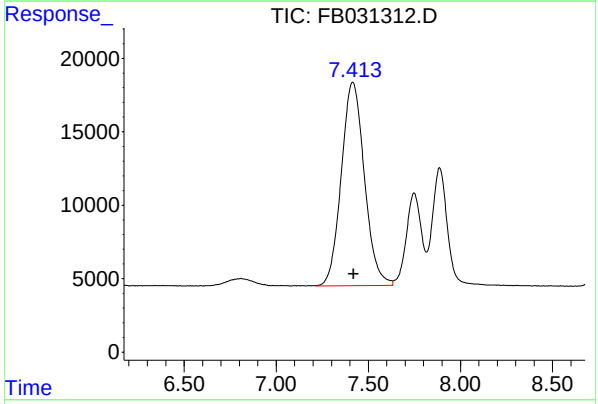




#1 2-Methylpentane

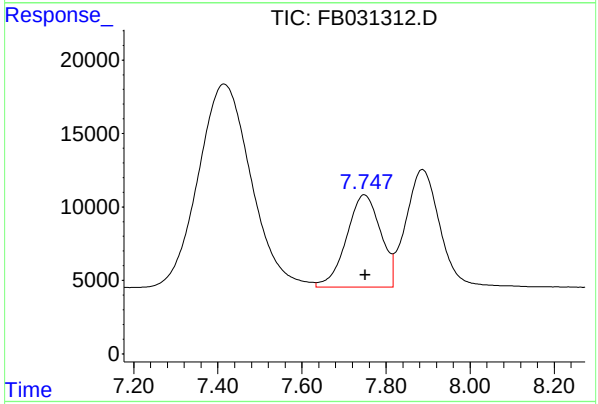
R.T.: 4.715 min
Delta R.T.: -0.003 min
Response: 1029585
Conc: 31.06 ng/ml

Instrument :
FID_B
ClientSampleId :
FB011525GROICV



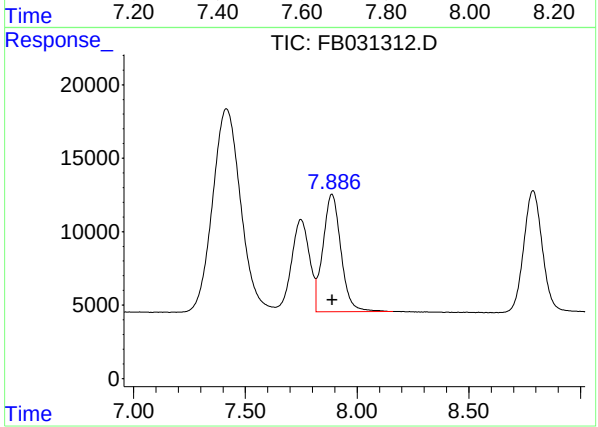
#2 2,2,4-Trimethylpentane

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



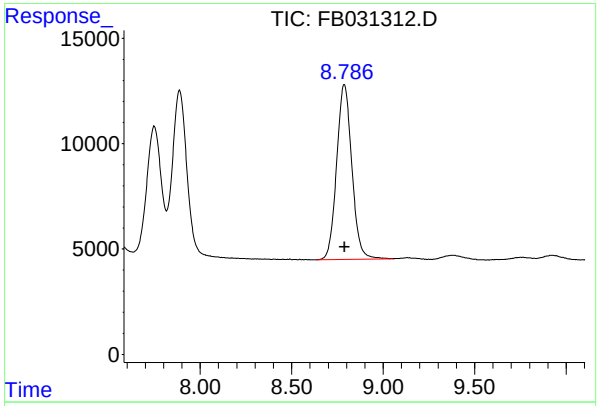
#3 n-Heptane

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



#4 Benzene

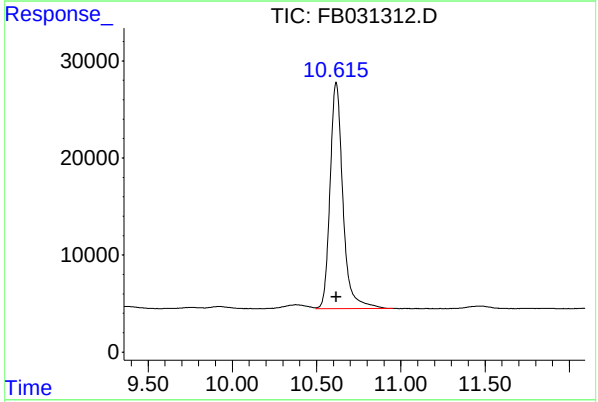
R.T.: 7.887 min
Delta R.T.: -0.003 min
Response: 448910
Conc: 10.54 ng/ml



#5 AAA-TFT

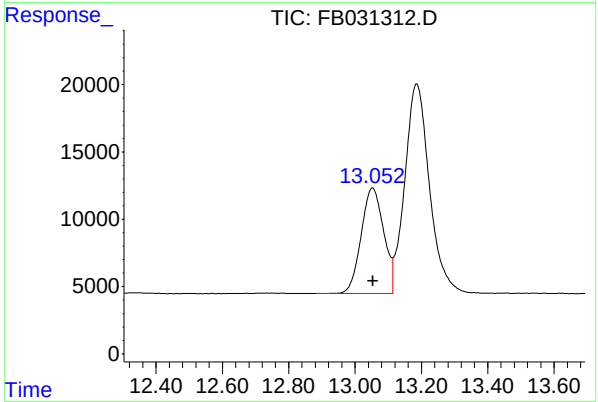
R.T.: 8.788 min
Delta R.T.: -0.002 min
Response: 479840
Conc: 20.12 ng/ml

Instrument :
FID_B
ClientSampleId :
FB011525GROICV



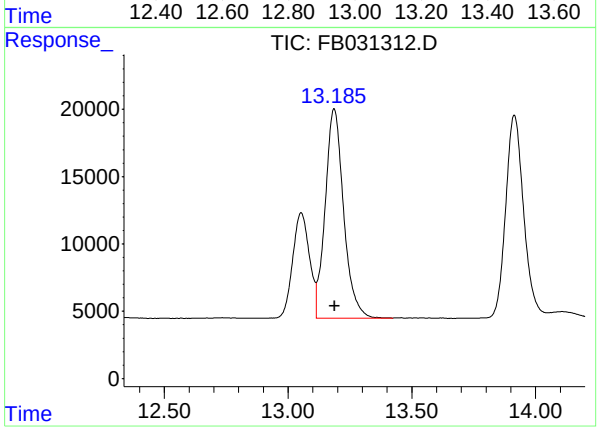
#6 Toluene

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



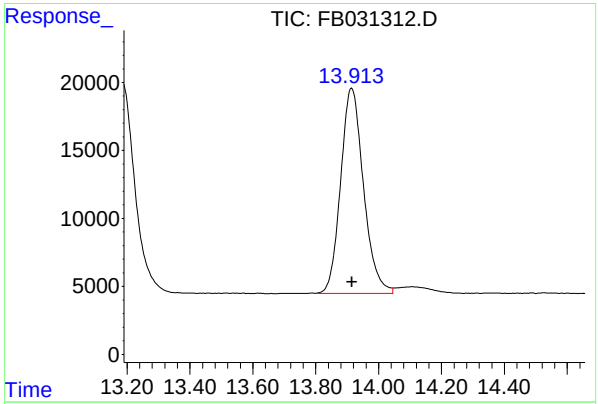
#7 Ethylbenzene

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



#8 m-Xylene

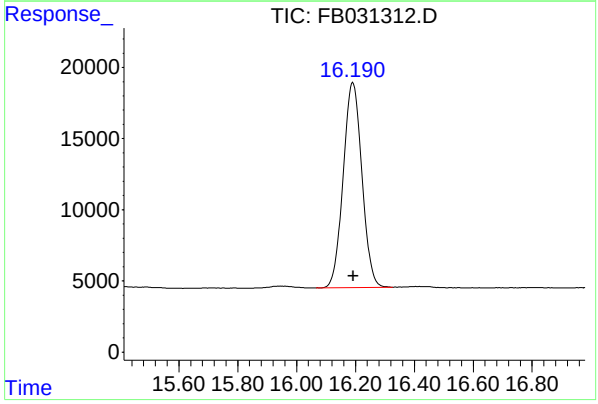
R.T.: 13.186 min
Delta R.T.: -0.002 min
Response: 805181
Conc: 21.54 ng/ml



#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.: Q1235 SAS No.: Q1235 SDG No.: Q1235

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

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

Quantitation Report (QT Reviewed)

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

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Feb 01 00:14:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
5) s	AAA-TFT	8.786	411370	17.246	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.714	858048	25.887	ng/ml
2) t	2,2,4-Trimethylpentane	7.416	1100093	29.252	ng/ml
3) t	n-Heptane	7.747	331592	9.186	ng/ml
4) t	Benzene	7.886	438204	10.289	ng/ml
6) t	Toluene	10.615	1185304	30.356	ng/ml
7) t	Ethylbenzene	13.054	344755	9.956	ng/ml
8) t	m-Xylene	13.187	740500	19.810	ng/ml
9) t	O-Xylene	13.915	709141	19.912	ng/ml
10) t	1,2,4-Trimethylbenzene	16.193	560697	19.798	ng/ml

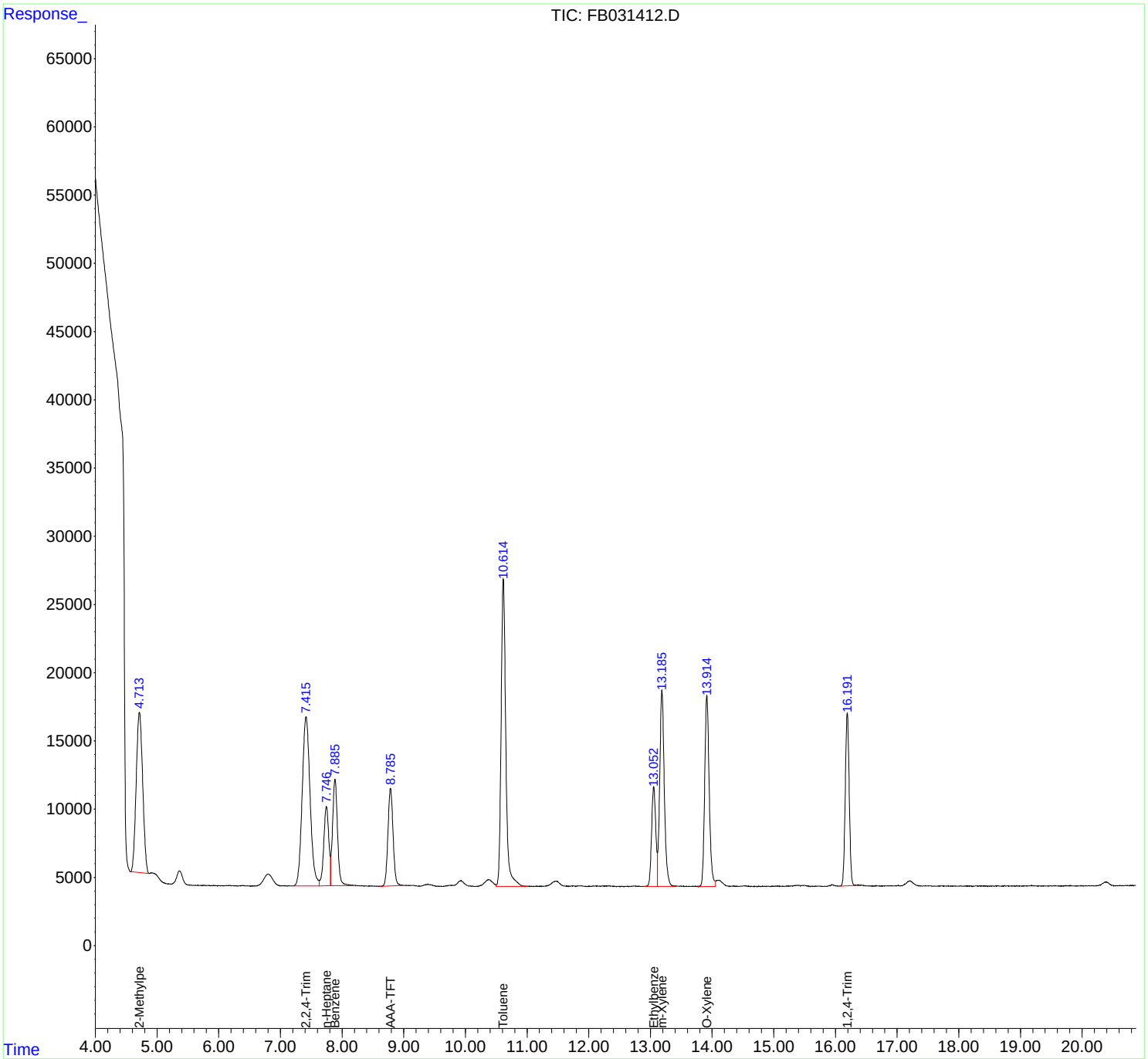
(f)=RT Delta > 1/2 Window (m)=manual int.

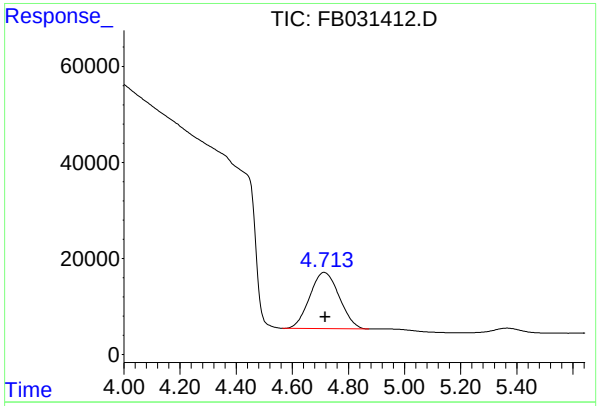
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013125\
Data File : FB031412.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 9:03
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Feb 01 00:14:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

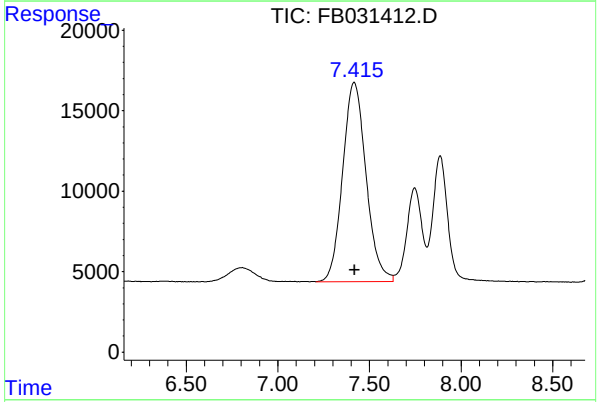




#1 2-Methylpentane

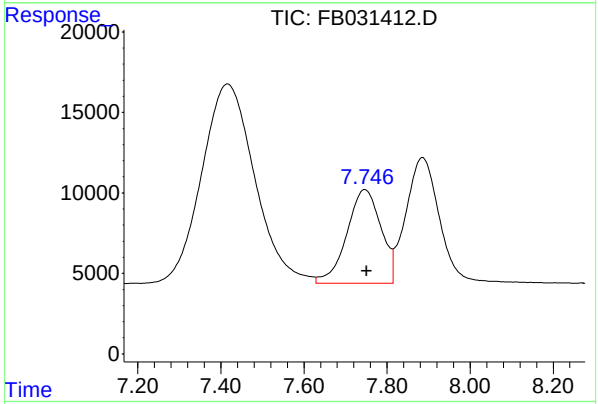
R.T.: 4.714 min
Delta R.T.: -0.004 min
Response: 858048
Conc: 25.89 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



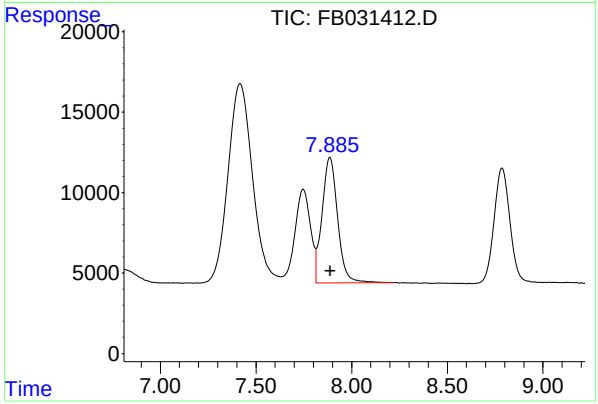
#2 2,2,4-Trimethylpentane

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



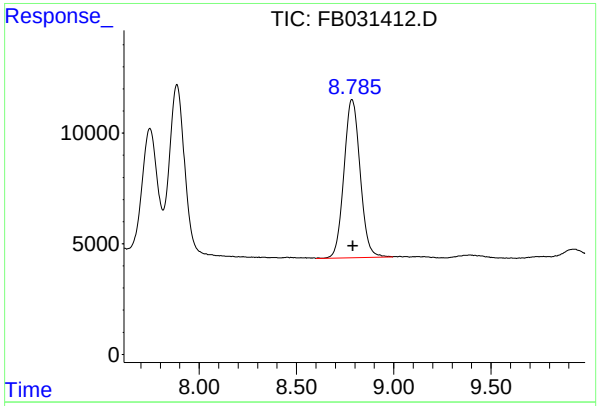
#3 n-Heptane

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



#4 Benzene

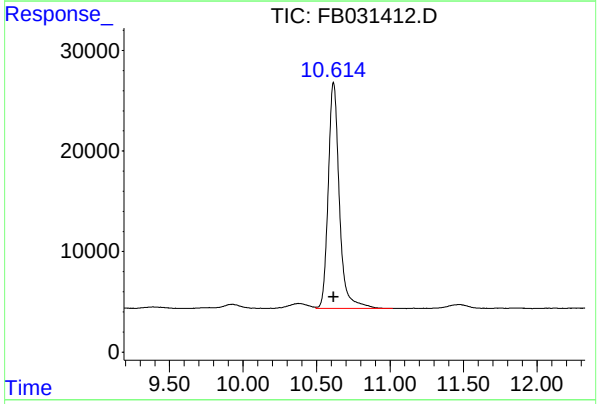
R.T.: 7.886 min
Delta R.T.: -0.004 min
Response: 438204
Conc: 10.29 ng/ml



#5 AAA-TFT

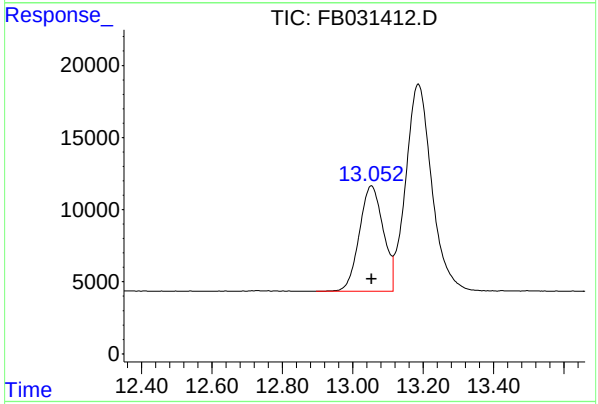
R.T.: 8.786 min
Delta R.T.: -0.004 min
Response: 411370
Conc: 17.25 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



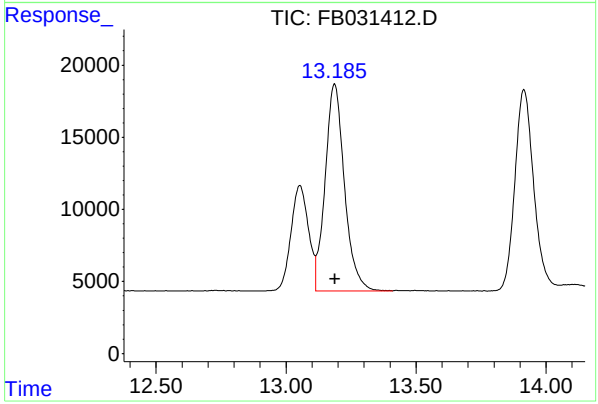
#6 Toluene

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



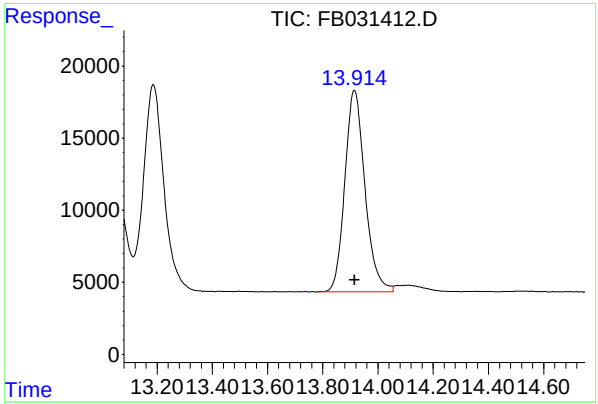
#7 Ethylbenzene

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



#8 m-Xylene

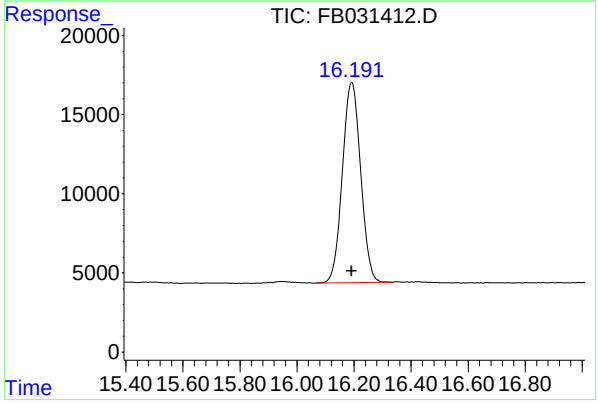
R.T.: 13.187 min
Delta R.T.: -0.001 min
Response: 740500
Conc: 19.81 ng/ml



#9 O-Xylene

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

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



#10 1,2,4-Trimethylbenzene

R.T.: 16.193 min
Delta R.T.: 0.000 min
Response: 560697
Conc: 19.80 ng/ml

rteres

Area Percent Report

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

Integration File: Calibration.e

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

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.714	4.565	4.874	BV	11747	858048	72.39%	12.846%
2	7.416	7.209	7.629	PV	12395	1100093	92.81%	16.469%
3	7.747	7.629	7.814	VV	5820	331592	27.98%	4.964%
4	7.886	7.814	8.217	VV	7807	438204	36.97%	6.560%
5	8.786	8.601	8.996	PV	7156	411370	34.71%	6.159%
6	10.615	10.496	11.020	VV	22495	1185304	100.00%	17.745%
7	13.054	12.896	13.114	BV	7315	344755	29.09%	5.161%
8	13.187	13.114	13.410	VV	14382	740500	62.47%	11.086%
9	13.915	13.776	14.055	PV	13987	709141	59.83%	10.616%
10	16.193	16.066	16.336	PV	12667	560697	47.30%	8.394%

Sum of corrected areas: 6679704

FB011525.M Sat Feb 01 00:45:36 2025

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.: Q1235 SAS No.: Q1235 SDG No.: Q1235

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

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

Quantitation Report (QT Reviewed)

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

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

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

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

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

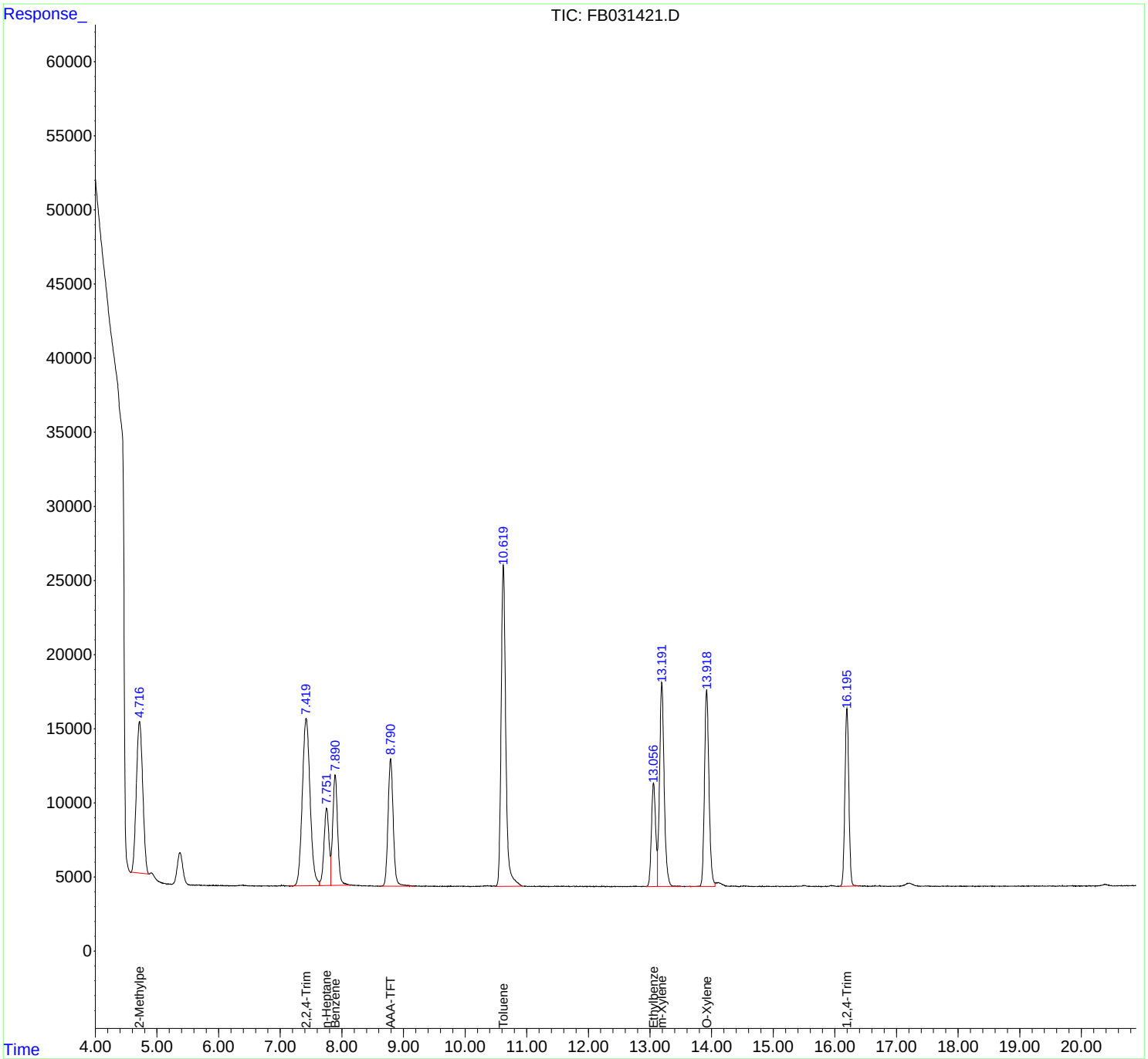
(f)=RT Delta > 1/2 Window (m)=manual int.

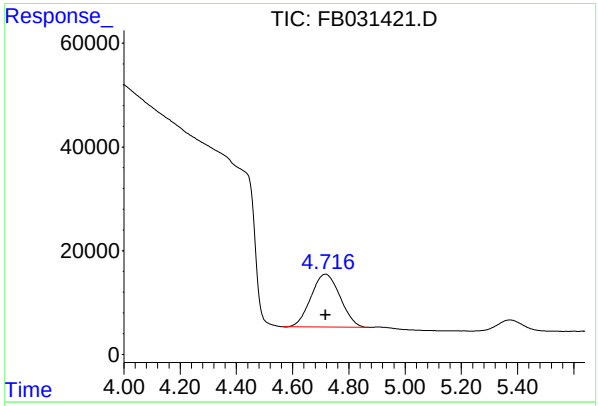
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013125\
Data File : FB031421.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 13:38
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

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

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

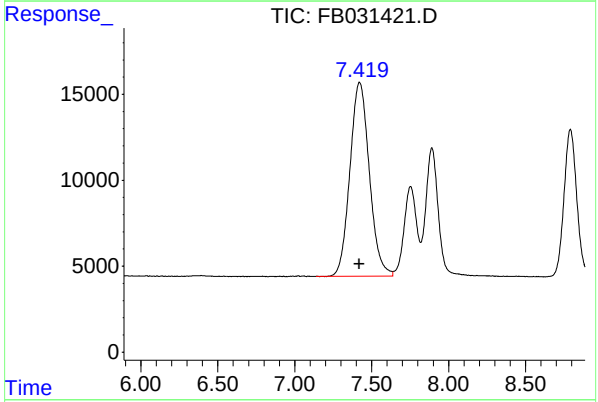




#1 2-Methylpentane

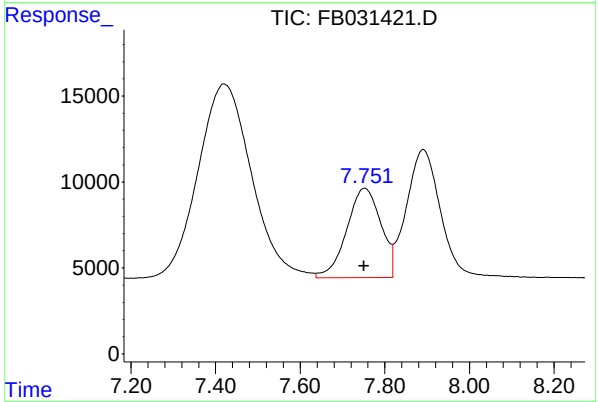
R.T.: 4.717 min
Delta R.T.: 0.000 min
Response: 735152
Conc: 22.18 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



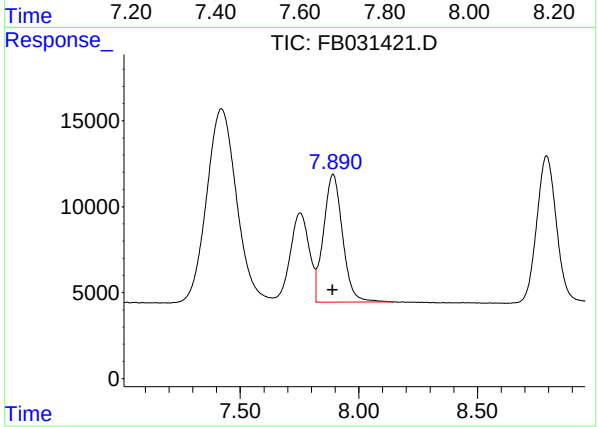
#2 2,2,4-Trimethylpentane

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



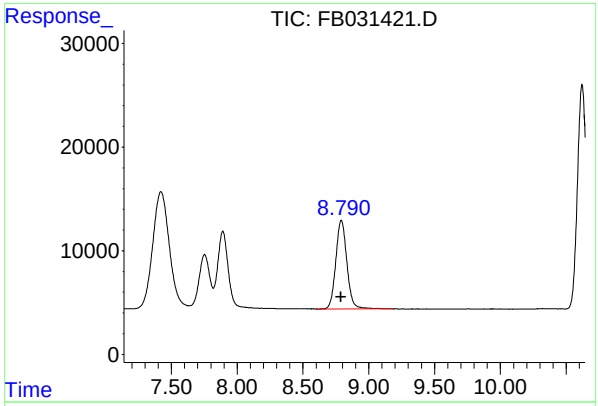
#3 n-Heptane

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



#4 Benzene

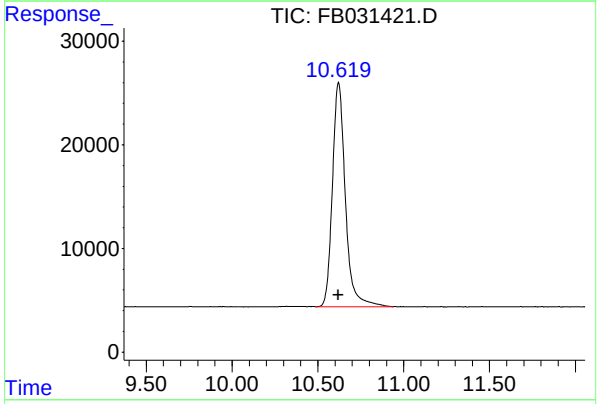
R.T.: 7.891 min
Delta R.T.: 0.002 min
Response: 415541
Conc: 9.76 ng/ml



#5 AAA-TFT

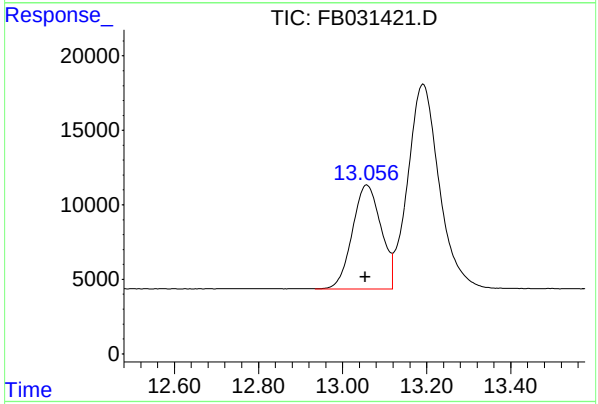
R.T.: 8.791 min
Delta R.T.: 0.002 min
Response: 502716
Conc: 21.08 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



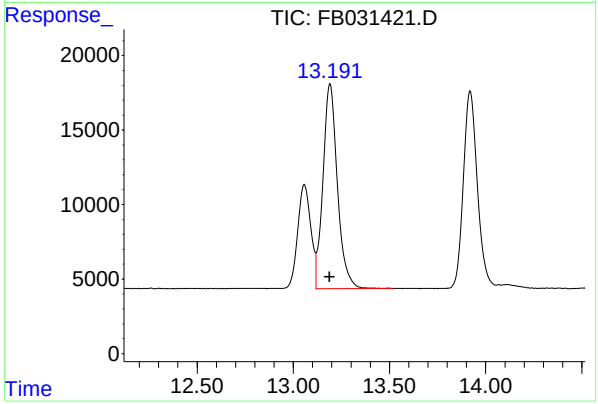
#6 Toluene

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



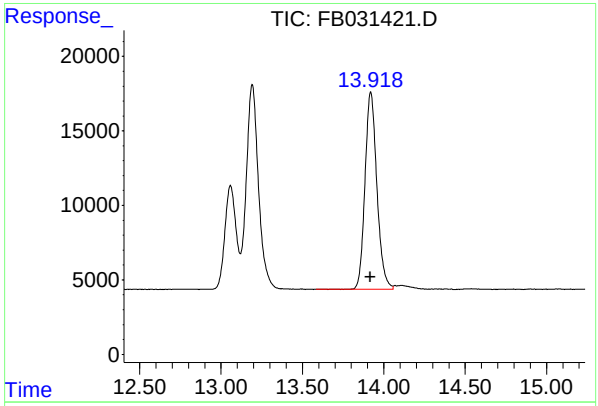
#7 Ethylbenzene

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



#8 m-Xylene

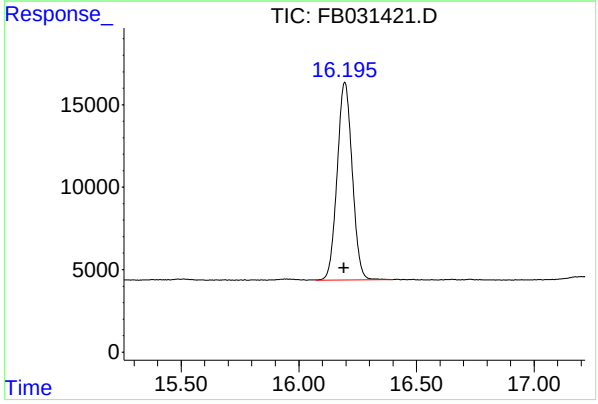
R.T.: 13.192 min
Delta R.T.: 0.004 min
Response: 717104
Conc: 19.18 ng/ml



#9 O-Xylene

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

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



#10 1,2,4-Trimethylbenzene

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

Area Percent Report

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

Integration File: Calibration.e

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

Signal : FID2B.CH

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

Sum of corrected areas: 6326687

FB011525.M Sat Feb 01 00:47:31 2025

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.: Q1235 SAS No.: Q1235 SDG No.: Q1235

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

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

Quantitation Report (QT Reviewed)

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

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Feb 01 00:17:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
5) s	AAA-TFT	8.793	454503	19.055	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.718	714491	21.556	ng/ml
2) t	2,2,4-Trimethylpentane	7.423	976506	25.966	ng/ml
3) t	n-Heptane	7.754	284660	7.885	ng/ml
4) t	Benzene	7.893	415623	9.759	ng/ml
6) t	Toluene	10.623	1127689	28.881	ng/ml
7) t	Ethylbenzene	13.059	325697	9.405	ng/ml
8) t	m-Xylene	13.193	701131	18.757	ng/ml
9) t	O-Xylene	13.921	669399	18.796	ng/ml
10) t	1,2,4-Trimethylbenzene	16.197	518422	18.305	ng/ml

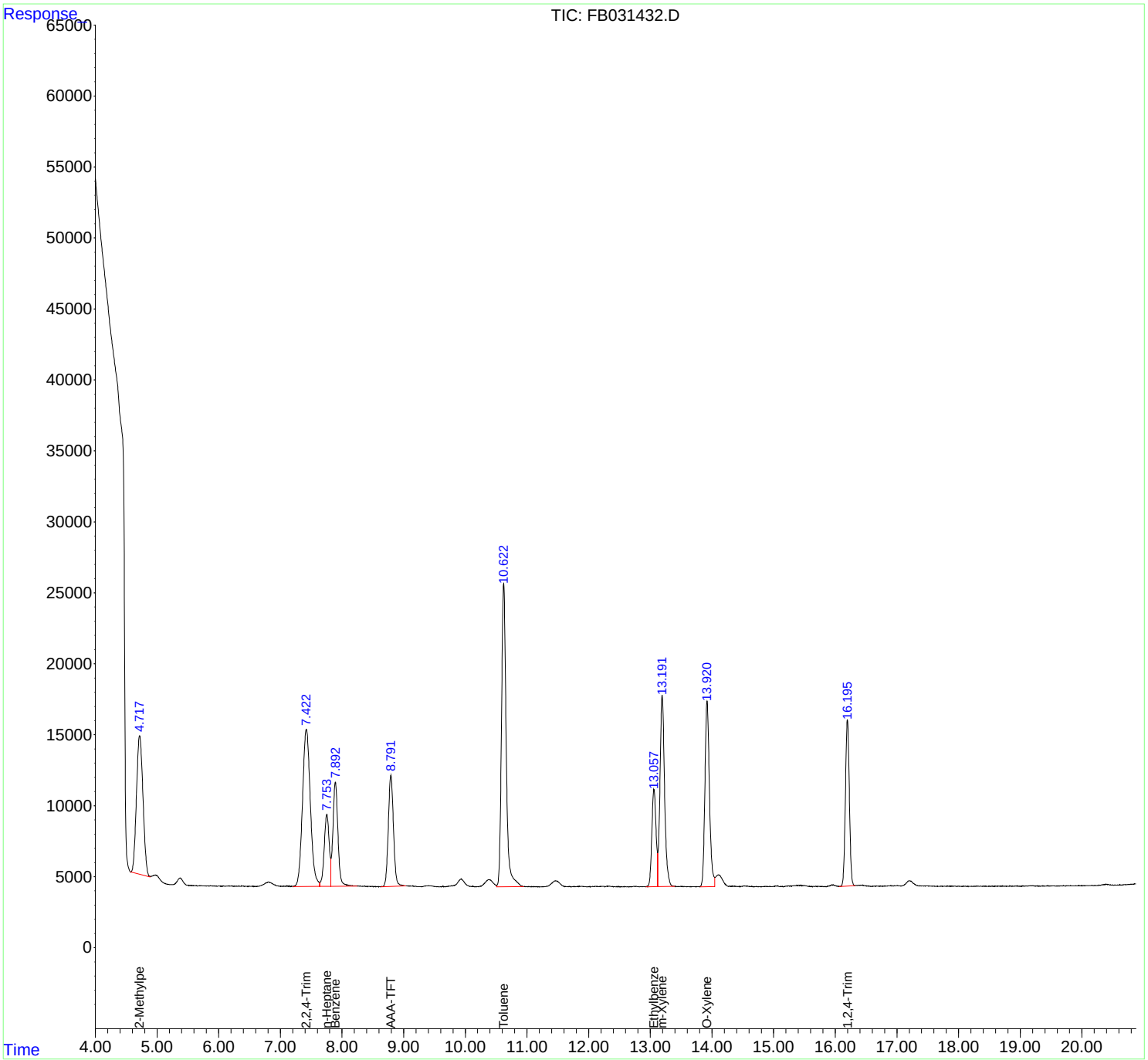
(f)=RT Delta > 1/2 Window (m)=manual int.

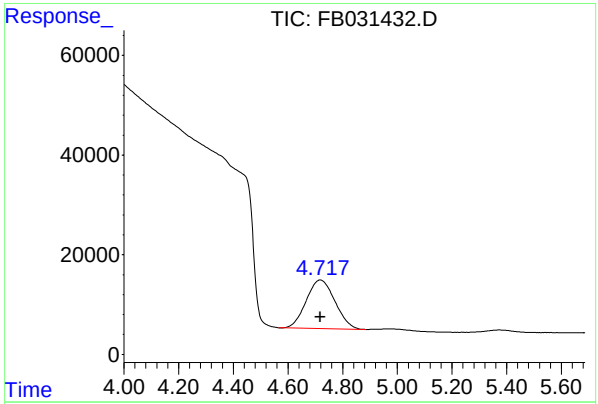
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013125\
Data File : FB031432.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 18:58
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Feb 01 00:17:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

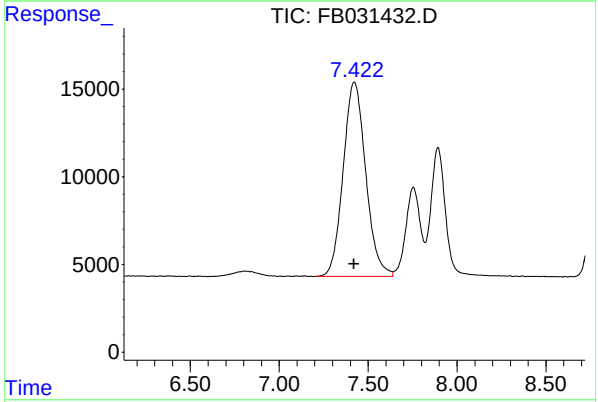




#1 2-Methylpentane

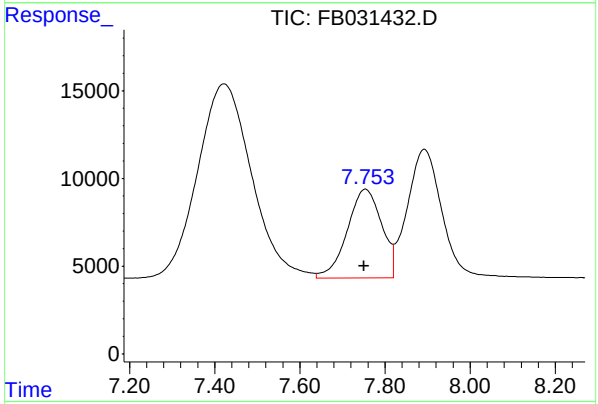
R.T.: 4.718 min
Delta R.T.: 0.000 min
Response: 714491
Conc: 21.56 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



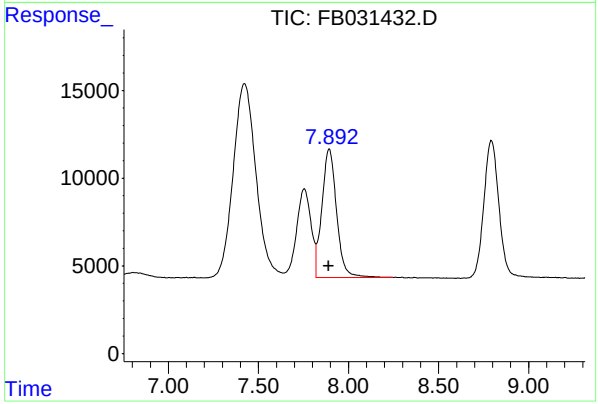
#2 2,2,4-Trimethylpentane

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



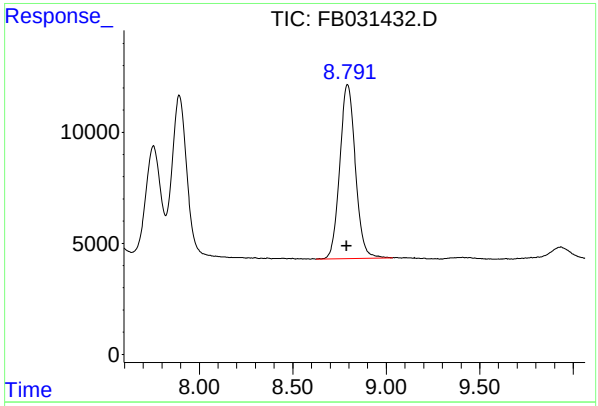
#3 n-Heptane

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



#4 Benzene

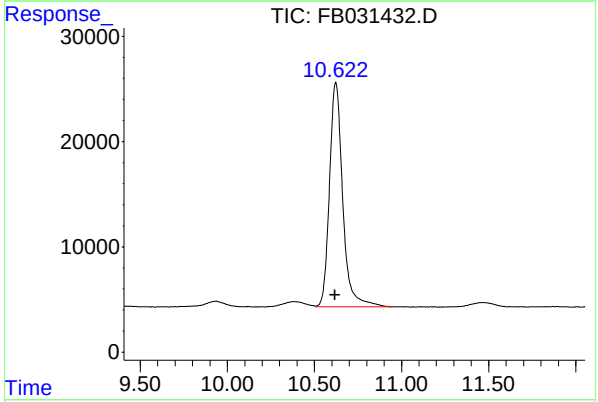
R.T.: 7.893 min
Delta R.T.: 0.003 min
Response: 415623
Conc: 9.76 ng/ml



#5 AAA-TFT

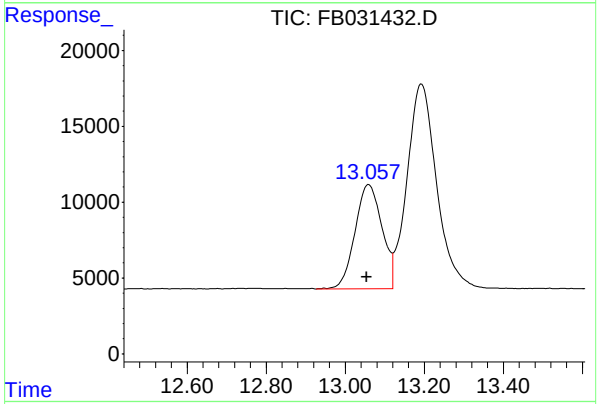
R.T.: 8.793 min
Delta R.T.: 0.003 min
Response: 454503
Conc: 19.05 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



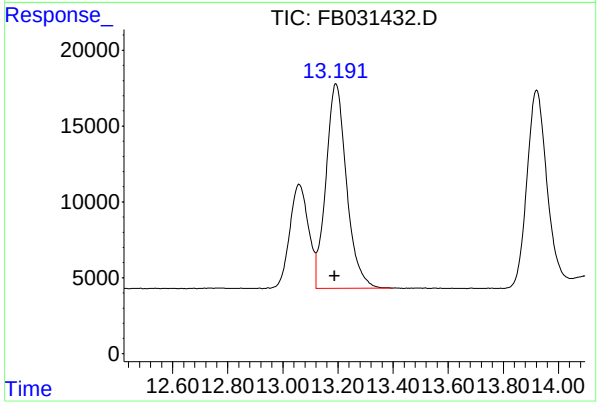
#6 Toluene

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



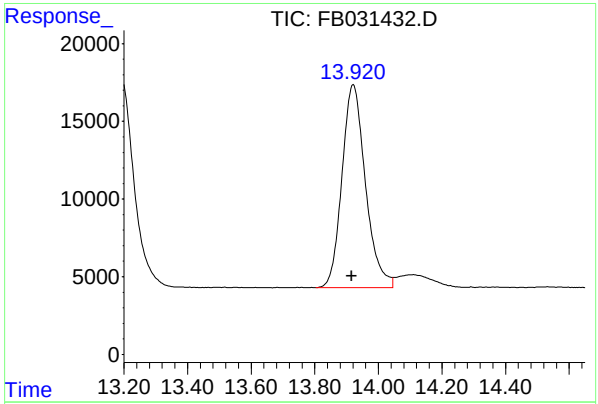
#7 Ethylbenzene

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



#8 m-Xylene

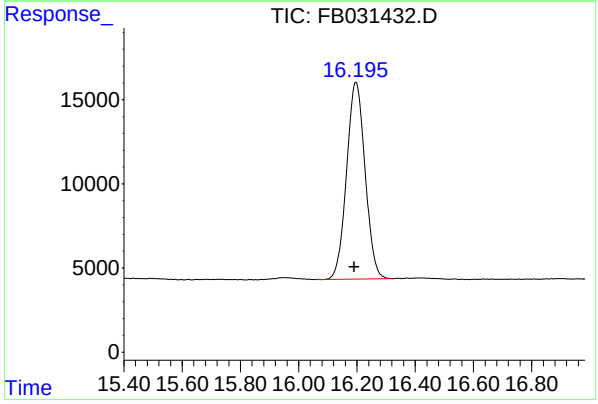
R.T.: 13.193 min
Delta R.T.: 0.005 min
Response: 701131
Conc: 18.76 ng/ml



#9 O-Xylene

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

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



#10 1,2,4-Trimethylbenzene

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

rteres

Area Percent Report

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

Integration File: Calibration.e

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

Signal : FID2B.CH

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

Sum of corrected areas: 6188121

FB011525.M Sat Feb 01 00:52:10 2025

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

Analytical Sequence

Client: RU2 Engineering, LLC **SDG No.:** Q1235

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

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

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

MEAN SUROGATE RT FROM INITIAL CALIBRATION **8.7886**

EPA SAMPLE NO.	LAB SAMPLE ID	DATE AND TIME ANALYZED	DATAFILE	RT	#
20 PPB GRO STD	20 PPB GRO STD	31 Jan 2025 9:03	FB031412.D	8.786	
VBF0131S1	VBF0131S1	31 Jan 2025 9:41	FB031413.D	8.789	
BSF0131S1	BSF0131S1	31 Jan 2025 10:47	FB031415.D	8.791	
BSF0131S2	BSF0131S2	31 Jan 2025 13:12	FB031420.D	8.792	
20 PPB GRO STD	20 PPB GRO STD	31 Jan 2025 13:38	FB031421.D	8.791	
JPP-51.2-012925	Q1235-01	31 Jan 2025 17:38	FB031429.D	8.795	
JPP-16.1-012925	Q1235-05	31 Jan 2025 18:05	FB031430.D	8.625	*
20 PPB GRO STD	20 PPB GRO STD	31 Jan 2025 18:58	FB031432.D	8.793	

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

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

QC SAMPLE DATA

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	VBF0131S1	SDG No.:	Q1235
Lab Sample ID:	VBF0131S1	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	100 Decanted:
Sample Wt/Vol:	5 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031413.D	1	01/31/25 9:41	FB013125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	45.0	U	8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	20.6		50 - 150	103%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

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

Instrument :
FID_B
ClientSampleId :
VBF0131S1

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

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
5) s	AAA-TFT	8.789	491120	20.590 ng/ml
	Target Compounds			

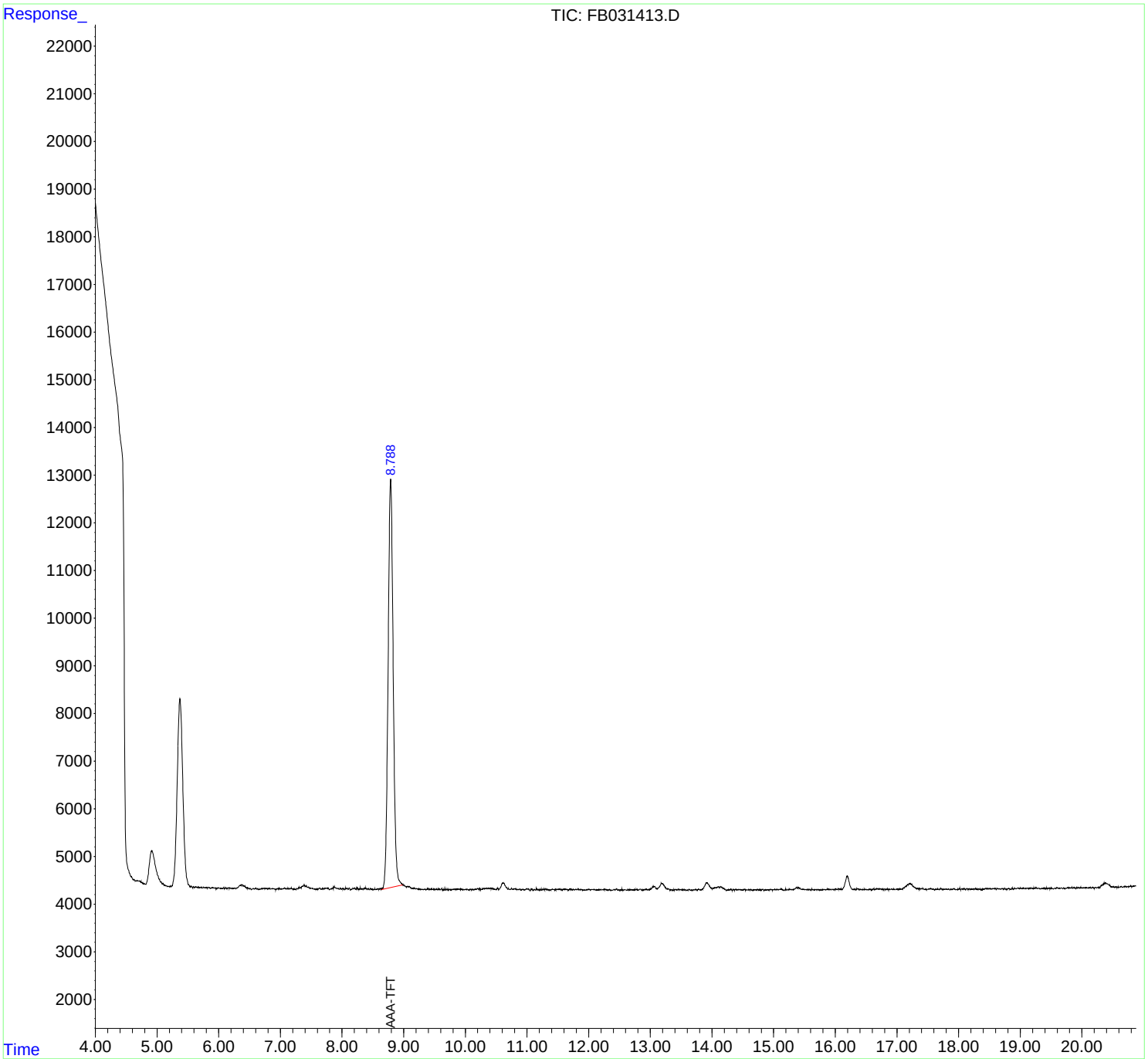
(f)=RT Delta > 1/2 Window (m)=manual int.

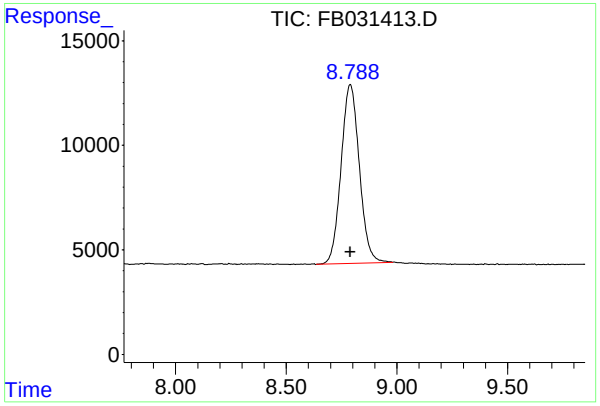
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013125\
Data File : FB031413.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 9:41
Operator : YP/AJ
Sample : VBF0131S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0131S1

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

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





#5 AAA-TFT

R.T.: 8.789 min
Delta R.T.: 0.000 mi
Response: 491120
Conc: 20.59 ng/m

Instrument :
FID_B
ClientSampleId :
VBF0131S1

rteres

Area Percent Report

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

Integration File: Calibration.e

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

Signal : FID2B.CH

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

Sum of corrected areas: 491120

FB011525.M Sat Feb 01 00:45:51 2025

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	BSF0131S1	SDG No.:	Q1235
Lab Sample ID:	BSF0131S1	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	100 Decanted:
Sample Wt/Vol:	5 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031415.D	1	01/31/25 10:47	FB013125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	173		8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	19.5		50 - 150	98%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

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

Instrument :
FID_B
ClientSampleId :
BSF0131S1

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

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

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

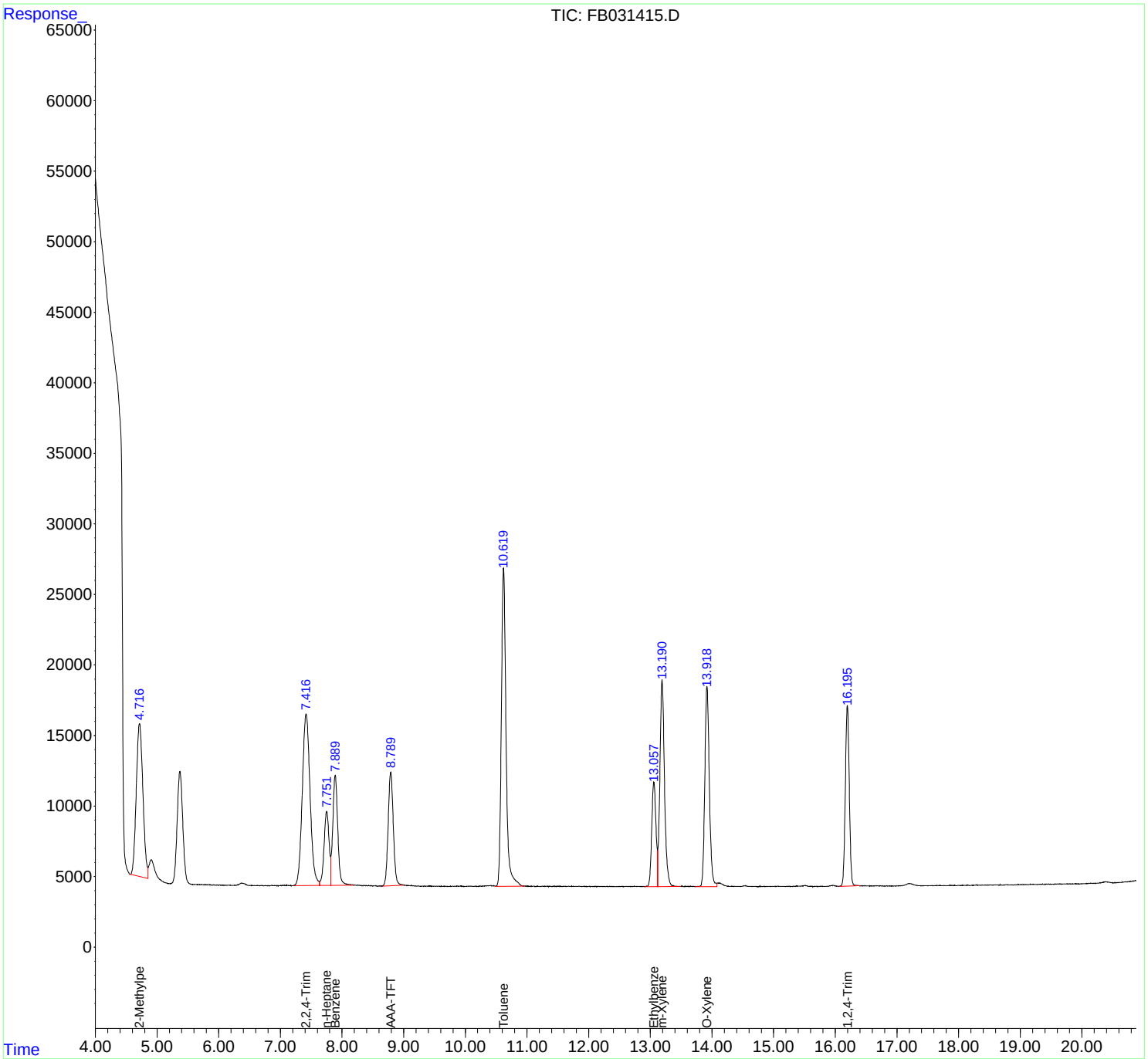
(f)=RT Delta > 1/2 Window (m)=manual int.

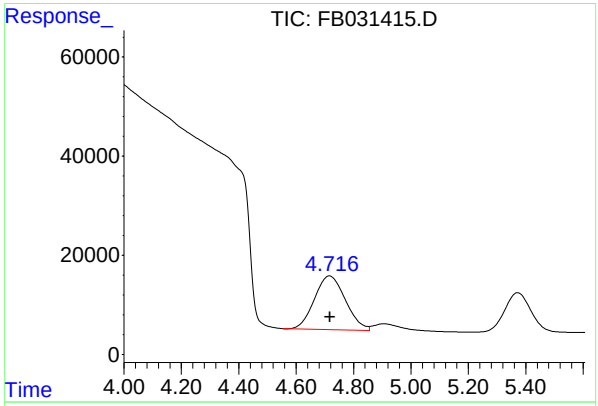
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013125\
Data File : FB031415.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 10:47
Operator : YP/AJ
Sample : BSF0131S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0131S1

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

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

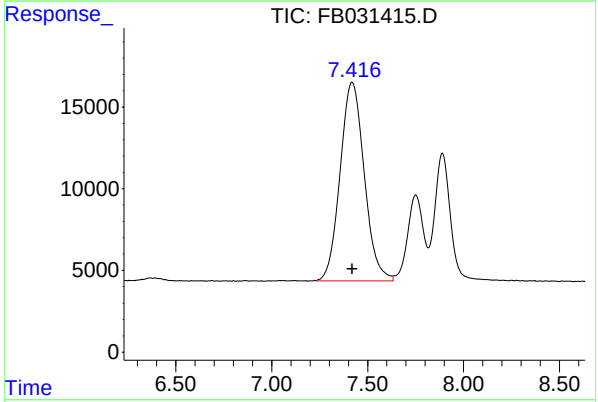




#1 2-Methylpentane

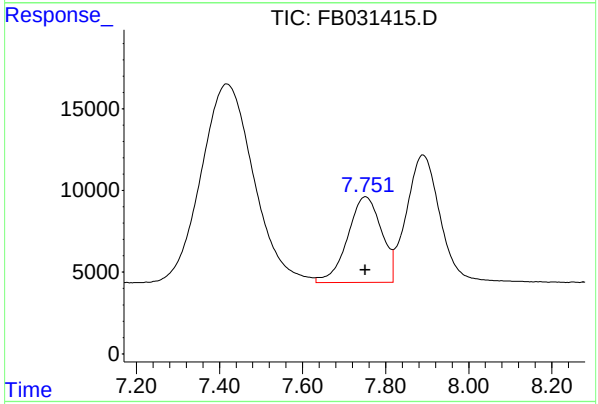
R.T.: 4.717 min
Delta R.T.: -0.001 min
Response: 811202
Conc: 24.47 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0131S1



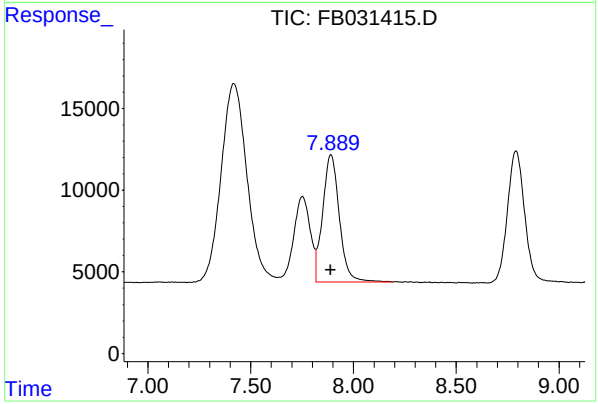
#2 2,2,4-Trimethylpentane

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



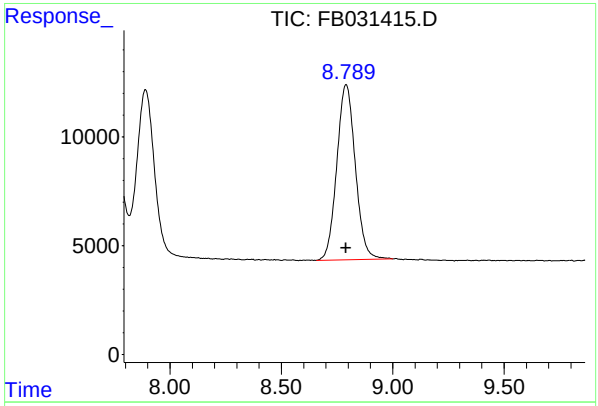
#3 n-Heptane

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



#4 Benzene

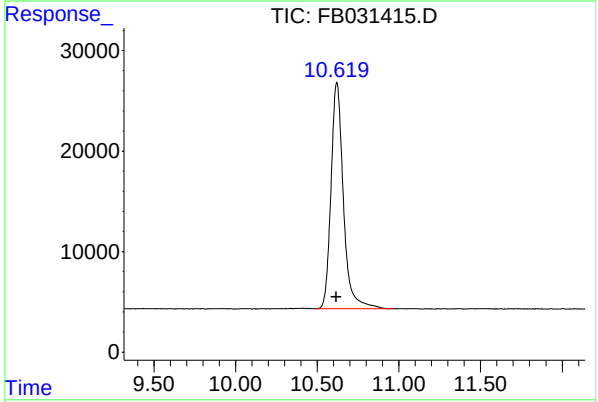
R.T.: 7.890 min
Delta R.T.: 0.000 min
Response: 440565
Conc: 10.34 ng/ml



#5 AAA-TFT

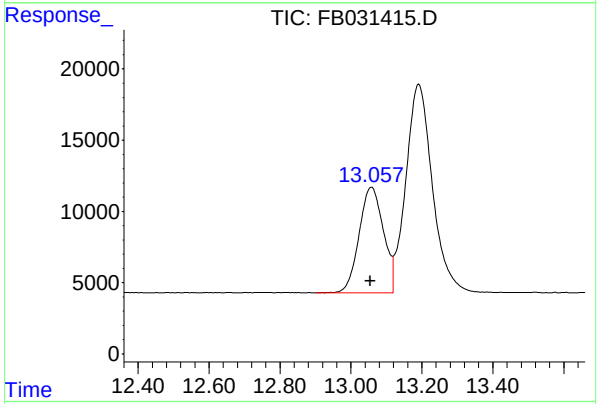
R.T.: 8.791 min
Delta R.T.: 0.001 min
Response: 465280
Conc: 19.51 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0131S1



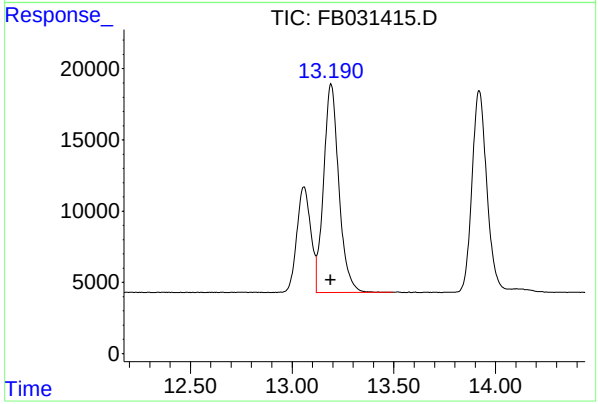
#6 Toluene

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



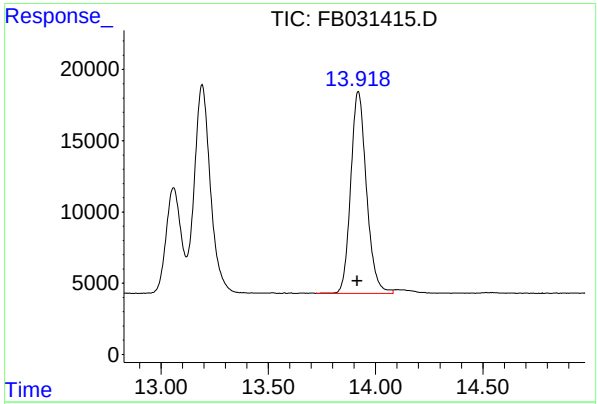
#7 Ethylbenzene

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



#8 m-Xylene

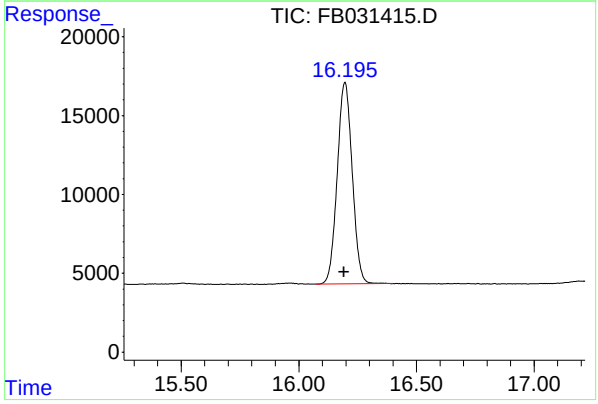
R.T.: 13.191 min
Delta R.T.: 0.003 min
Response: 763097
Conc: 20.42 ng/ml



#9 O-Xylene

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

Instrument :
FID_B
ClientSampleId :
BSF0131S1



#10 1,2,4-Trimethylbenzene

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

Area Percent Report

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

Integration File: Calibration.e

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

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.717	4.554	4.855	BV	10838	811202	68.14%	12.159%
2	7.418	7.231	7.632	VV	12163	1064822	89.44%	15.960%
3	7.752	7.632	7.818	VV	5253	296600	24.91%	4.446%
4	7.890	7.818	8.192	VV	7801	440565	37.01%	6.603%
5	8.791	8.657	9.002	BV	8059	465280	39.08%	6.974%
6	10.620	10.493	10.964	VV	22553	1190505	100.00%	17.844%
7	13.058	12.901	13.119	BV	7411	351965	29.56%	5.275%
8	13.191	13.119	13.497	VV	14647	763097	64.10%	11.438%
9	13.919	13.722	14.081	BV	14171	721578	60.61%	10.815%
10	16.196	16.074	16.401	BBA	12795	566218	47.56%	8.487%

Sum of corrected areas: 6671831

FB011525.M Sat Feb 01 00:46:17 2025

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	BSF0131S2	SDG No.:	Q1235
Lab Sample ID:	BSF0131S2	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	100 Decanted:
Sample Wt/Vol:	5 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031420.D	1	01/31/25 13:12	FB013125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	168		8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	18.3		50 - 150	91%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

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

Instrument :
FID_B
ClientSampleId :
BSF0131S2

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

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

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

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

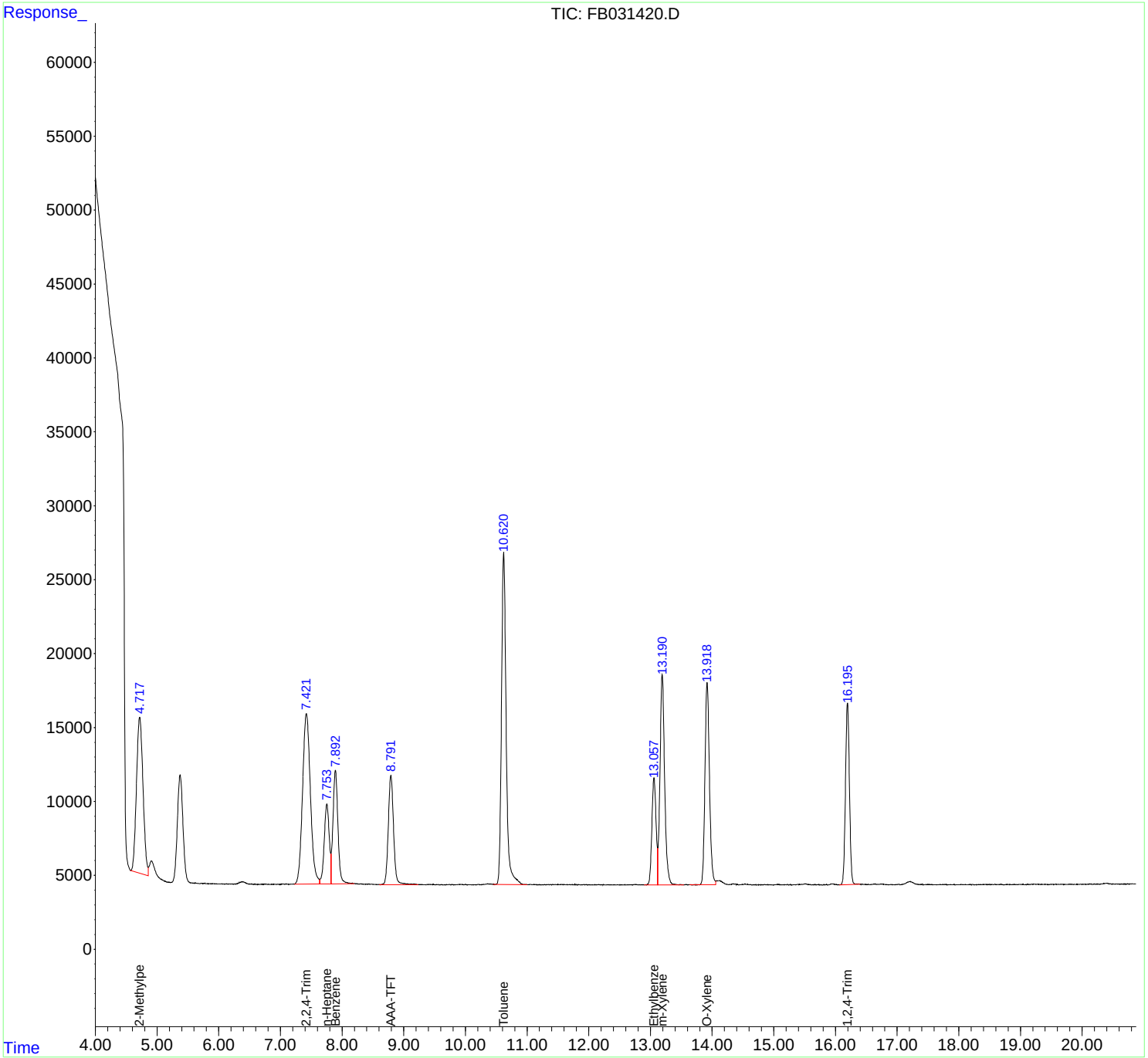
Quantitation Report (QT Reviewed)

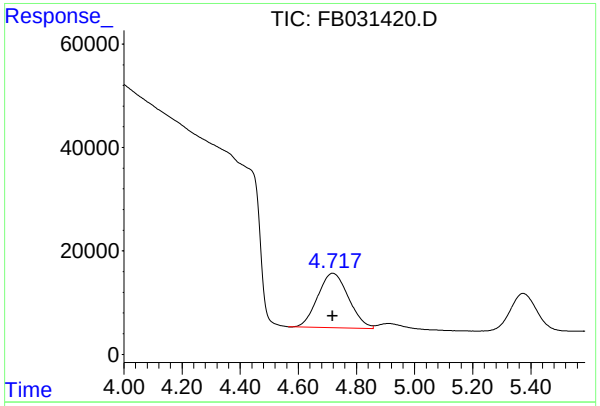
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013125\
Data File : FB031420.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 13:12
Operator : YP/AJ
Sample : BSF0131S2
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0131S2

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

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

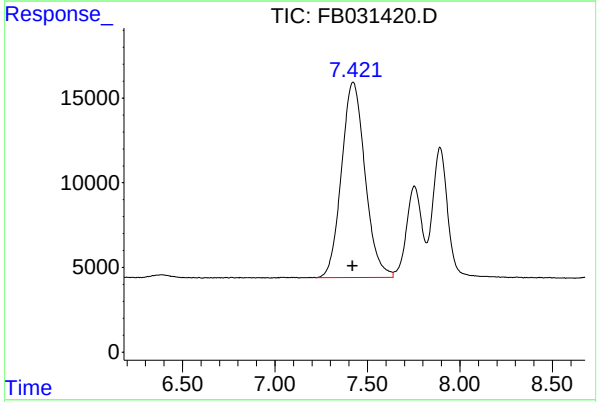




#1 2-Methylpentane

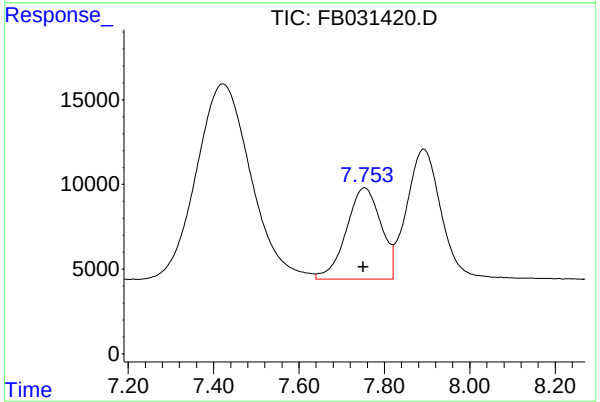
R.T.: 4.719 min
Delta R.T.: 0.000 min
Response: 779073
Conc: 23.50 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0131S2



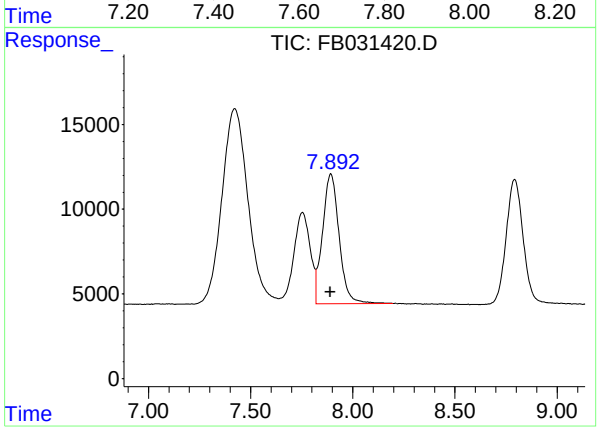
#2 2,2,4-Trimethylpentane

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



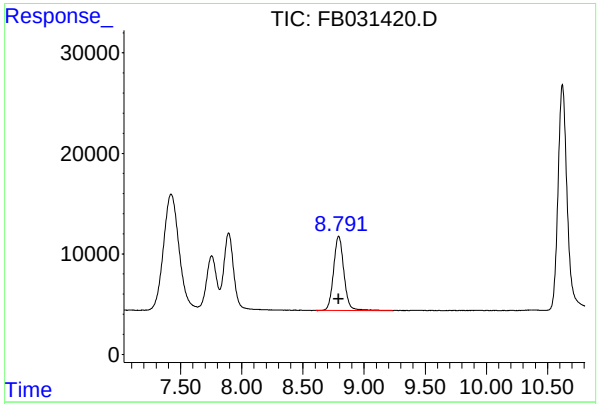
#3 n-Heptane

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



#4 Benzene

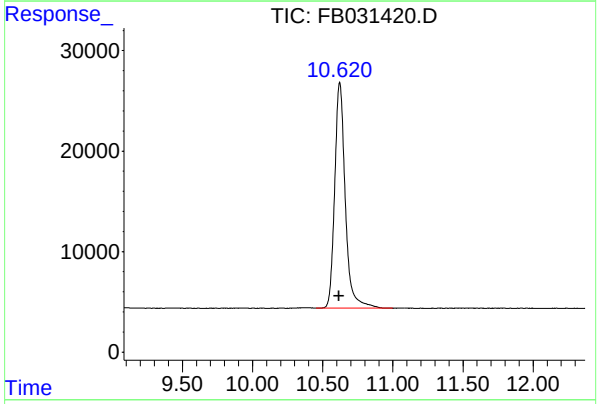
R.T.: 7.893 min
Delta R.T.: 0.003 min
Response: 430945
Conc: 10.12 ng/ml



#5 AAA-TFT

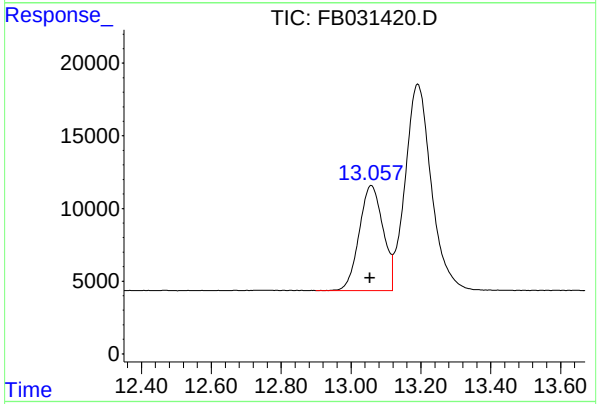
R.T.: 8.792 min
Delta R.T.: 0.003 min
Response: 435473
Conc: 18.26 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0131S2



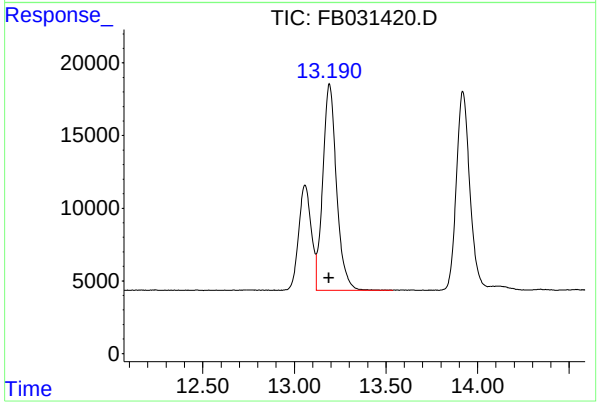
#6 Toluene

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



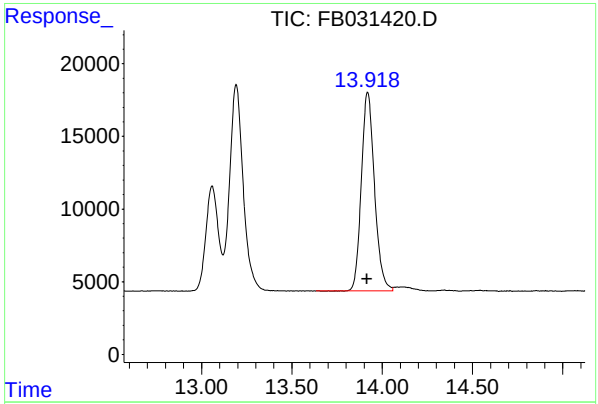
#7 Ethylbenzene

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



#8 m-Xylene

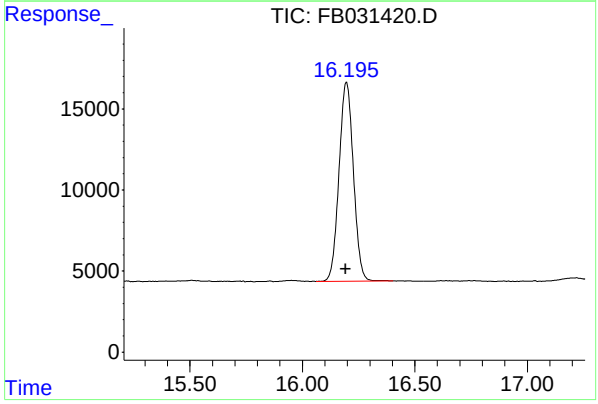
R.T.: 13.192 min
Delta R.T.: 0.004 min
Response: 741323
Conc: 19.83 ng/ml



#9 O-Xylene

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

Instrument :
FID_B
ClientSampleId :
BSF0131S2



#10 1,2,4-Trimethylbenzene

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

rteres

Area Percent Report

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

Integration File: Calibration.e

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

Signal : FID2B.CH

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

Sum of corrected areas: 6468285

FB011525.M Sat Feb 01 00:46:40 2025

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

Manual Integration Report

Sample ID	ClientId ID	File ID	Sequence ID	Parameter	Supervised By	Supervised On	Reason
BSF0131S3		FB031431.D	FB013125	O-Xylene	Ankita	2/3/2025 1:08:56 PM	Peak Integrated by Software incorrectly
BSF0131S4		FB031437.D	FB013125	O-Xylene	Ankita	2/3/2025 1:08:58 PM	Peak Integrated by Software incorrectly

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

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QCBatch ID # FB011525

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

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

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

M : Manual Integration

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

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QCBatch ID # FB013125

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

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

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	20 PPB GRO STD	FB031412.D	31 Jan 2025 9:03	YP/AJ	Ok
2	VBF0131S1	FB031413.D	31 Jan 2025 9:41	YP/AJ	Ok
3	VBF0131S2	FB031414.D	31 Jan 2025 10:08	YP/AJ	Ok
4	BSF0131S1	FB031415.D	31 Jan 2025 10:47	YP/AJ	Ok
5	Q1242-01	FB031416.D	31 Jan 2025 11:25	YP/AJ	Ok
6	Q1241-01	FB031417.D	31 Jan 2025 11:52	YP/AJ	Ok
7	Q1241-05	FB031418.D	31 Jan 2025 12:18	YP/AJ	Ok
8	Q1241-09	FB031419.D	31 Jan 2025 12:45	YP/AJ	Not Ok
9	BSF0131S2	FB031420.D	31 Jan 2025 13:12	YP/AJ	Ok
10	20 PPB GRO STD	FB031421.D	31 Jan 2025 13:38	YP/AJ	Ok
11	Q1241-13	FB031422.D	31 Jan 2025 14:32	YP/AJ	Ok
12	Q1241-17	FB031423.D	31 Jan 2025 14:58	YP/AJ	Ok
13	Q1232-01	FB031424.D	31 Jan 2025 15:25	YP/AJ	ReRun
14	Q1232-05	FB031425.D	31 Jan 2025 15:52	YP/AJ	ReRun
15	Q1232-09	FB031426.D	31 Jan 2025 16:18	YP/AJ	Not Ok
16	Q1232-13	FB031427.D	31 Jan 2025 16:45	YP/AJ	Not Ok
17	Q1232-17	FB031428.D	31 Jan 2025 17:12	YP/AJ	Not Ok
18	Q1235-01	FB031429.D	31 Jan 2025 17:38	YP/AJ	Ok
19	Q1235-05	FB031430.D	31 Jan 2025 18:05	YP/AJ	Ok
20	BSF0131S3	FB031431.D	31 Jan 2025 18:32	YP/AJ	Ok,M
21	20 PPB GRO STD	FB031432.D	31 Jan 2025 18:58	YP/AJ	Ok

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Fax : 908 789 8922

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QCBatch ID # FB013125

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

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

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

M : Manual Integration

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

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QCBatch ID # FB011525

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

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

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

M : Manual Integration

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

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QCBatch ID # FB013125

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

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

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	20 PPB GRO STD		FB031412.D	31 Jan 2025 9:03		YP/AJ	Ok
2	VBF0131S1		FB031413.D	31 Jan 2025 9:41		YP/AJ	Ok
3	VBF0131S2		FB031414.D	31 Jan 2025 10:08		YP/AJ	Ok
4	BSF0131S1		FB031415.D	31 Jan 2025 10:47		YP/AJ	Ok
5	Q1242-01		FB031416.D	31 Jan 2025 11:25	vial-A	YP/AJ	Ok
6	Q1241-01		FB031417.D	31 Jan 2025 11:52	vial-A	YP/AJ	Ok
7	Q1241-05		FB031418.D	31 Jan 2025 12:18	vial-A	YP/AJ	Ok
8	Q1241-09		FB031419.D	31 Jan 2025 12:45	vial-A ,not pureged	YP/AJ	Not Ok
9	BSF0131S2		FB031420.D	31 Jan 2025 13:12		YP/AJ	Ok
10	20 PPB GRO STD		FB031421.D	31 Jan 2025 13:38		YP/AJ	Ok
11	Q1241-13		FB031422.D	31 Jan 2025 14:32	vial-A	YP/AJ	Ok
12	Q1241-17		FB031423.D	31 Jan 2025 14:58	vial-A	YP/AJ	Ok
13	Q1232-01		FB031424.D	31 Jan 2025 15:25	vial-A ,surrogate fail	YP/AJ	ReRun
14	Q1232-05		FB031425.D	31 Jan 2025 15:52	vial-A ,surrogate fail	YP/AJ	ReRun
15	Q1232-09		FB031426.D	31 Jan 2025 16:18	vial-A ,not pureged	YP/AJ	Not Ok
16	Q1232-13		FB031427.D	31 Jan 2025 16:45	vial-A ,not pureged	YP/AJ	Not Ok
17	Q1232-17		FB031428.D	31 Jan 2025 17:12	vial-A ,not pureged	YP/AJ	Not Ok
18	Q1235-01		FB031429.D	31 Jan 2025 17:38	vial-A	YP/AJ	Ok

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Fax : 908 789 8922

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QCBatch ID # FB013125

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

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

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

M : Manual Integration

PERCENT SOLID

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

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

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

QC: LB134481

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

PERCENT SOLID

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

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

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

QC: LB134481

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

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

WORKLIST(Hardcopy Internal Chain) (B 13448)

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

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

Date/Time 01/30/25 1520

Raw Sample Received by: SB WC)

Raw Sample Relinquished by: CJSM

Date/Time 01/30/25 1711

Raw Sample Received by: CF SB

Raw Sample Relinquished by: SB WC)

WORKLIST(Hardcopy Internal Chain)

JB 134481

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

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

Date/Time 01/30/25 1512 0

Raw Sample Received by: JB WdC

Raw Sample Relinquished by: CF SM

Date/Time 01/30/25 1720

Raw Sample Received by: CF SM

Raw Sample Relinquished by: JB WdC

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

Prep Standard - Chemical Standard Summary

Order ID : Q1235

Test : Gasoline Range Organics

Prepbatch ID :

Sequence ID/Qc Batch ID: FB013125,

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

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

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

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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

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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
235	50 PPB ICC GRO STD	PP24116	01/15/2025	07/13/2025	Yogesh Patel	None	None	Ankita Jodhani 01/15/2025

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

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

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

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

Pest/Pcb STANDARD PREPARATION LOG

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

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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
241	20 PPB CCC GRO STD	PP24167	01/31/2025	07/13/2025	Yogesh Patel	None	None	Ankita Jodhani 02/03/2025

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

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
241	20 PPB CCC GRO STD	PP24168	01/31/2025	07/13/2025	Yogesh Patel	None	None	Ankita Jodhani 02/03/2025

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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
241	20 PPB CCC GRO STD	PP24169	01/31/2025	07/13/2025	Yogesh Patel	None	None	Ankita Jodhani 02/03/2025

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

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

CHEMICAL RECEIPT LOG BOOK

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

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

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

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

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

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

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

Certificate of Analysis

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

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

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

Ken Koehnlein
Sr. Manager, Quality Assurance

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

1st source
DD
P9817 To P9826 (10)

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

Description : Gasoline Range Organics Mix (EPA)

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

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

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

CERTIFIED VALUES

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

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

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

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

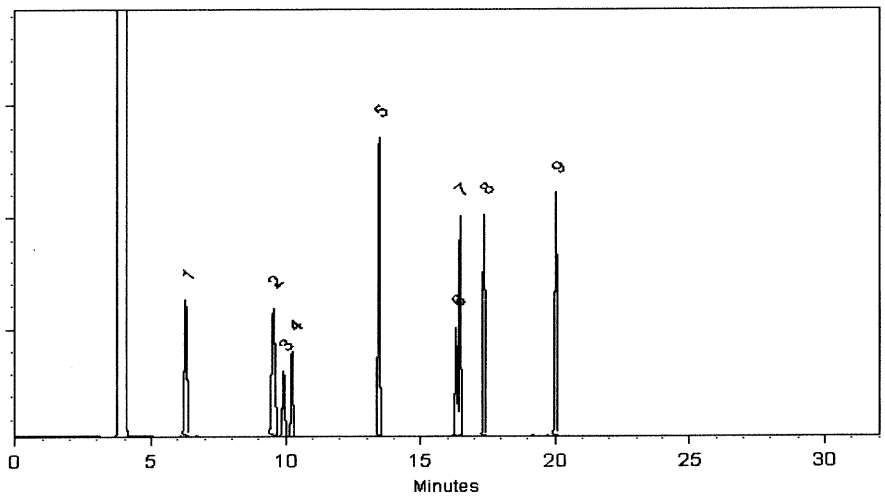
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



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

Miranda Kline

Miranda Kline - Operations Technician I

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

Fang-Yun Lo - QC Analyst

Date Passed: 23-Dec-2019

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

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

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

CHEMTECH PROJECT NO. Q1235
QUOTE NO.
COC Number 2041689

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: RU2 Engineering LLC
ADDRESS: 2 Melinda Drive, Monroe Twp, NJ 08831
CITY STATE: 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-51.2-012925	So.1		G	1/29/25	14:50	3	X	X	X							
2.	JPP-51.2-012925	So.1	C		1/29/25	15:00	8			X	X	X	X	X	X	X	
3.	JPP-16.1-012925	So.1		G	1/29/25	15:54	3	X	X	X							
4.	JPP-16.1-012925	So.1	C		1/29/25	16:00	8			X	X	X	X	X	X	X	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. RA	1/30/2025 1152	1. 1095 1-30-25
2.		2.
3.	1-30-25 1152	3.

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

Page 2 of 2

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

Shipment Complete ☐ YES ☐ NO

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

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

Laboratory Certification

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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1235 RUTW01
Client Name : RU2 Engineering, LLC
Client Contact : Rutu Manani
Invoice Name : RU2 Engineering, LLC
Invoice Contact : Rutu Manani

Order Date : 1/30/2025 12:15:00 PM
Project Name : ~~SANDTWOBR BMCR Bro~~ NYCDDC SANTWOBR Brooklyn Bridge BBMCR
Receive DateTime : 1/30/2025 11:52:00 AM
Purchase Order :

YG 02/04/25

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

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1235-01	JPP-51.2-012925	Solid	01/29/2025	14:50					
					VOCMS Group1		8260D		10 Bus. Days
Q1235-05	JPP-16.1-012925	Solid	01/29/2025	15:54					
					VOCMS Group1		8260D		10 Bus. Days

Relinguished By :
Date / Time : 1/30/25 1300

Received By :
Date / Time : 1-30-25 13:00

Storage Area : **VOA Refridgerator Room**

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1235 RUTW01
Client Name : RU2 Engineering, LLC
Client Contact : Rutu Manani
Invoice Name : RU2 Engineering, LLC
Invoice Contact : Rutu Manani

Order Date : 1/30/2025 12:15:00 PM
Project Name : ~~SANDTWOBR BMCR Bro~~ NYCDDC SANTWOBR Brooklyn Bridge BBMCR
Receive DateTime : 1/30/2025 11:52:00 AM
Purchase Order :

YG 02/04/25

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

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1235-01	JPP-51.2-012925	Solid	01/29/2025	14:50					
					Gasoline Range Organics		8015D		10 Bus. Days
Q1235-05	JPP-16.1-012925	Solid	01/29/2025	15:54					
					Gasoline Range Organics		8015D		10 Bus. Days

Relinguished By :
Date / Time : 1/30/25 1300

Received By :
Date / Time : 1-30-25 13:00

Storage Area : VOA Refridgerator Room