

DATA PACKAGE
GC SEMI-VOLATILES

PROJECT NAME : NYCDDC SANTWOBR BROOKLYN BRIDGE BBMCR

RU2 ENGINEERING, LLC
2 Melinda Drive

Monroe Township, NJ - 08831
Phone No: 732-261-2236

ORDER ID : Q1242
ATTENTION : Rutu Manani



Laboratory Certification ID # 20012



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Cover Page

Order ID : Q1242

Project ID : NYCDDC SANTWOBR Brooklyn Bridge BBMCR

Client : RU2 Engineering, LLC

Lab Sample Number

Q1242-01
Q1242-02
Q1242-03
Q1242-04

Client Sample Number

JPP-6.2-013025
JPP-6.2-013025
JPP-6.2-013025
JPP-6.2-013025

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

Signature : _____

Date: 2/10/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

RU2 Engineering, LLC

Project Name: NYCDDC SANTWOBR Brooklyn Bridge BBMCR

Project # N/A

Chemtech Project # Q1242

Test Name: Gasoline Range Organics

A. Number of Samples and Date of Receipt:

4 Solid samples were received on 01/30/2025.

B. Parameters

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

C. Analytical Techniques:

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

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Retention Times were acceptable for all samples.

The RPD met criteria .

The Blank Spike met requirements for all samples .

The Blank Spike Duplicate met requirements for all samples .

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements .

The Continuous Calibration met the requirements .

E. Additional Comments:

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

F. Manual Integration Comments:

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



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

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 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: Q1242

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 _____

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1242

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 Custody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 02/10/2025

LAB CHRONICLE

OrderID:	Q1242	OrderDate:	1/30/2025 3:02:00 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
Q1242-01	JPP-6.2-013025	SOIL	Diesel Range Organics	8015D	01/30/25	01/31/25	01/31/25	01/30/25
			Gasoline Range Organics	8015D				
Q1242-03	JPP-6.2-013025	SOIL	PCB	8082A	01/30/25	01/31/25	02/01/25	01/30/25
			Pesticide-TCL	8081B				
Q1242-03RE	JPP-6.2-013025RE	SOIL	PCB	8082A	01/30/25	01/31/25	02/04/25	01/30/25
Q1242-04	JPP-6.2-013025	TCLP	TCLP Herbicide	8151A	01/30/25	02/03/25	02/03/25	01/30/25
			TCLP Pesticide	8081B				



QC SUMMARY

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SOIL GASOLINE RANGE ORGANICS SURROGATE RECOVERY

Lab Name: Chemtech Client: RU2 Engineering, LLC

Lab Code: CHEM Case No.: Q1242 SAS No.: Q1242 SDG No.: Q1242

EPA SAMPLE NO.	S1 AAA-TFT	S2	S3	S4	TOT OUT
VB0131S1	103				0
BS0131S1	98				0
JPP-6.2-013025	65				0
BS0131S2	91				0

QC LIMITS

AAA-TFT

For Water : 50-150
For Soil : 50-150

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

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

Lab Name: Chemtech **Client:** RU2 Engineering, LLC
Lab Code: CHEM **Cas No:** Q1242 **SAS No :** Q1242 **SDG No:** Q1242
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

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

Lab Name: Chemtech **Client:** RU2 Engineering, LLC
Lab Code: CHEM **Cas No:** Q1242 **SAS No :** Q1242 **SDG No:** Q1242
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

METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBF0131S1

Lab Name: CHEMTECH

Contract: RUTW01

Lab Code: CHEM Case No.: Q1242

SAS No.: Q1242 SDG NO.: Q1242

Lab File ID: FB031413.D

Lab Sample ID: VBF0131S1

Date Analyzed: 01/31/25

Time Analyzed: 9:41

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

Heated Purge: (Y/N) Y

Instrument ID: FB

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSF0131S1	BSF0131S1	FB031415.D	01/31/25
JPP-6.2-013025	Q1242-01	FB031416.D	01/31/25
BSF0131S2	BSF0131S2	FB031420.D	01/31/25

COMMENTS: _____



SAMPLE DATA

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Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-6.2-013025	SDG No.:	Q1242
Lab Sample ID:	Q1242-01	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	81.5
Sample Wt/Vol:	9.66 Units: g	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	5 mL
Extraction Type:		Test:	Gasoline Range Organics
GPC Factor :	PH :	Injection Volume :	
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031416.D	1	01/31/25 11:25	FB013125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	33.0		5.00	29.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	12.9		50 - 150	65%	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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013125\
Data File : FB031416.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 11:25
Operator : YP/AJ
Sample : Q1242-01
Misc : 9.66G/5.00 ML DI WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
JPP-6.2-013025

Integration File: Calibration.e
Quant Time: Feb 01 00:15:27 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	308961	12.953 ng/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

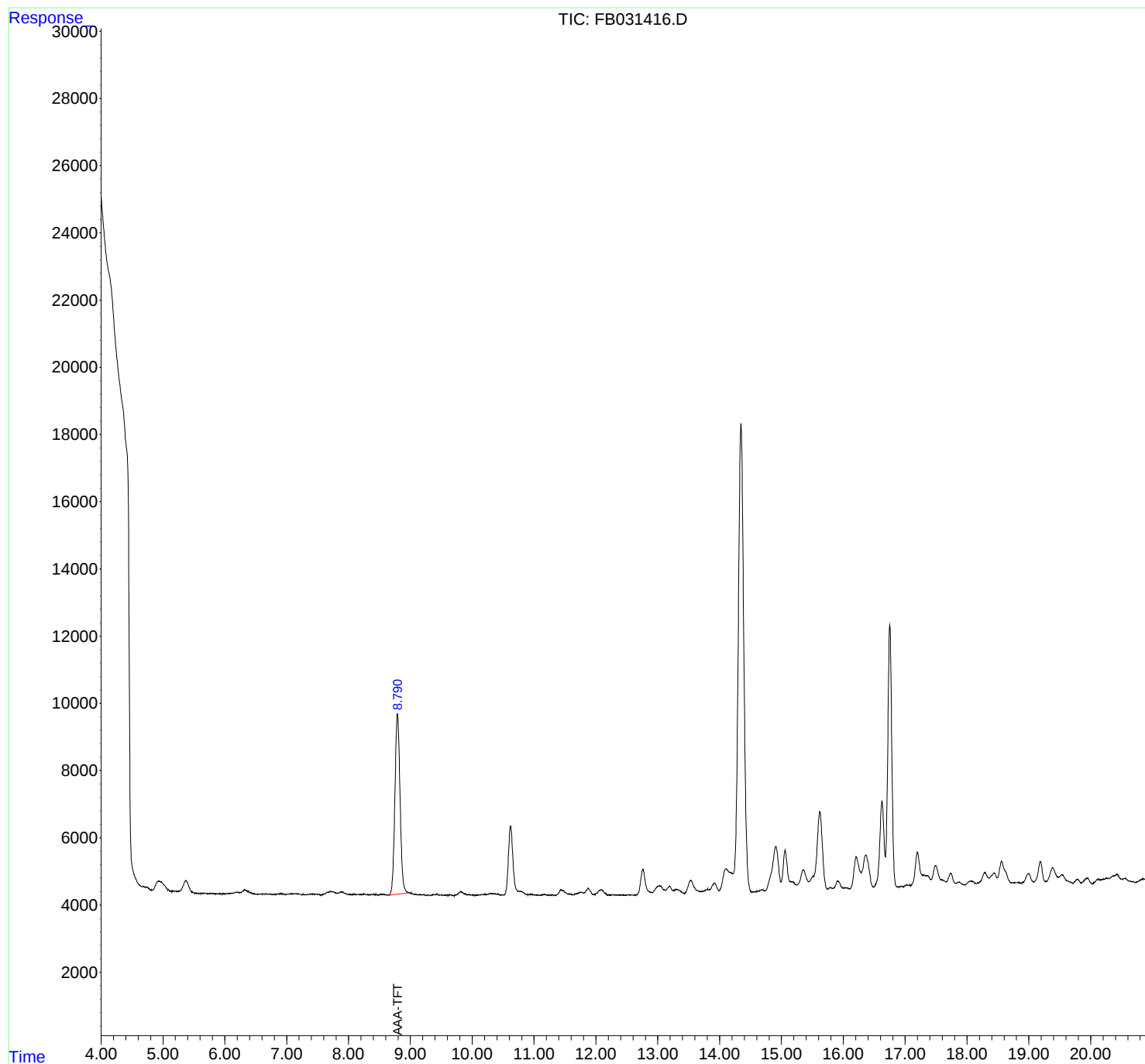
(m)=manual int.

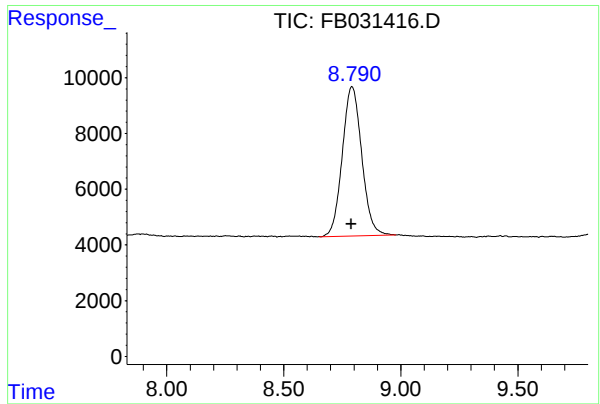
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013125\
Data File : FB031416.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 11:25
Operator : YP/AJ
Sample : Q1242-01
Misc : 9.66G/5.00 ML DI WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
JPP-6.2-013025

Integration File: Calibration.e
Quant Time: Feb 01 00:15:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB011525.M
Quant Title :
QLast Update : Wed Jan 15 12:01:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#5 AAA-TFT

R.T.: 8.791 min
Delta R.T.: 0.002 min
Response: 308961
Conc: 12.95 ng/ml

Instrument :
FID_B
ClientSampleId :
JPP-6.2-013025

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Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013125\
 Data File : FB031416.D
 Signal(s) : FID2B.CH
 Acq On : 31 Jan 2025 11:25
 Sample : Q1242-01
 Misc : 9.66G/5.00 ML DI WATER
 ALS Vial : 5 Sample Multiplier: 1

Integration File: SAMPLE.e

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

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.686	4.637	4.802	BV	21	1805	0.21%	0.083%
2	4.809	4.802	4.820	VV	17	90	0.01%	0.004%
3	5.153	5.121	5.164	VV	46	601	0.07%	0.027%
4	5.179	5.164	5.193	VV	42	495	0.06%	0.023%
5	5.203	5.193	5.226	VV	33	480	0.06%	0.022%
6	5.234	5.226	5.239	VV	27	158	0.02%	0.007%
7	5.250	5.239	5.269	VV	41	622	0.07%	0.028%
8	5.528	5.516	5.534	VV	18	143	0.02%	0.007%
9	5.541	5.534	5.551	VV	30	178	0.02%	0.008%
10	5.558	5.551	5.598	VV	19	358	0.04%	0.016%
11	5.606	5.598	5.615	VV	27	176	0.02%	0.008%
12	5.624	5.615	5.630	PV	26	137	0.02%	0.006%
13	5.637	5.630	5.646	VV	28	183	0.02%	0.008%
14	5.654	5.646	5.661	VV	26	167	0.02%	0.008%
15	5.673	5.661	5.711	VV	32	660	0.08%	0.030%
16	5.726	5.711	5.738	VV	23	220	0.03%	0.010%
17	5.752	5.738	5.765	VV	18	188	0.02%	0.009%
18	5.777	5.765	5.795	VV	34	365	0.04%	0.017%
19	5.804	5.795	5.811	VV	22	137	0.02%	0.006%
20	5.826	5.811	5.838	VV	32	325	0.04%	0.015%
21	5.846	5.838	5.858	VV	18	109	0.01%	0.005%
22	5.868	5.858	5.874	PV	13	73	0.01%	0.003%
23	5.886	5.874	5.902	VV	23	248	0.03%	0.011%
24	5.911	5.902	5.932	VV	23	205	0.02%	0.009%
25	5.939	5.932	5.952	VV	21	151	0.02%	0.007%
26	5.986	5.952	5.999	VV	28	397	0.05%	0.018%
27	6.013	5.999	6.021	VV	23	169	0.02%	0.008%
28	6.041	6.021	6.051	VV	31	354	0.04%	0.016%
29	6.069	6.051	6.079	VV	33	390	0.04%	0.018%
30	6.134	6.079	6.144	VV	45	1200	0.14%	0.055%
31	6.199	6.144	6.235	VV	72	3175	0.37%	0.145%
32	6.249	6.235	6.262	VV	68	944	0.11%	0.043%
33	6.407	6.401	6.513	VV	55	2139	0.25%	0.098%
34	6.522	6.513	6.531	VV	16	122	0.01%	0.006%
35	6.542	6.531	6.565	VV	19	269	0.03%	0.012%
36	6.579	6.565	6.588	VV	23	243	0.03%	0.011%

					rteres			
37	6.613	6.588	6.626	VV	31	454	0.05%	0.021%
38	6.639	6.626	6.650	VV	18	189	0.02%	0.009%
39	6.661	6.650	6.680	VV	38	408	0.05%	0.019%
40	6.693	6.680	6.705	VV	20	204	0.02%	0.009%
41	6.715	6.705	6.724	VV	24	195	0.02%	0.009%
42	6.735	6.724	6.761	VV	35	331	0.04%	0.015%
43	6.785	6.761	6.794	VV	20	296	0.03%	0.014%
44	6.812	6.794	6.833	VV	32	455	0.05%	0.021%
45	6.843	6.833	6.850	VV	20	175	0.02%	0.008%
46	6.859	6.850	6.883	VV	33	528	0.06%	0.024%
47	6.903	6.883	6.922	VV	51	816	0.09%	0.037%
48	6.933	6.922	6.951	VV	43	534	0.06%	0.024%
49	6.961	6.951	6.981	VV	29	331	0.04%	0.015%
50	6.990	6.981	6.997	VV	16	106	0.01%	0.005%
51	7.010	6.997	7.024	VV	28	365	0.04%	0.017%
52	7.035	7.024	7.042	VV	30	278	0.03%	0.013%
53	7.056	7.042	7.084	VV	44	889	0.10%	0.041%
54	7.100	7.084	7.110	VV	51	620	0.07%	0.028%
55	7.119	7.110	7.133	VV	41	509	0.06%	0.023%
56	7.158	7.133	7.171	VV	50	932	0.11%	0.043%
57	7.190	7.171	7.208	VV	40	745	0.09%	0.034%
58	7.216	7.208	7.248	VV	30	424	0.05%	0.019%
59	7.258	7.248	7.267	PV	31	183	0.02%	0.008%
60	7.275	7.267	7.296	VV	18	227	0.03%	0.010%
61	7.303	7.296	7.318	VV	15	160	0.02%	0.007%
62	7.336	7.318	7.350	VV	34	364	0.04%	0.017%
63	7.373	7.350	7.385	VV	47	571	0.07%	0.026%
64	7.405	7.385	7.419	VV	45	718	0.08%	0.033%
65	7.428	7.419	7.460	VV	42	728	0.08%	0.033%
66	7.469	7.460	7.518	VV	32	911	0.10%	0.042%
67	7.526	7.518	7.540	VV	29	252	0.03%	0.012%
68	7.573	7.540	7.583	PV	30	370	0.04%	0.017%
69	7.611	7.583	7.621	VV	46	770	0.09%	0.035%
70	7.655	7.621	7.666	VV	91	1875	0.22%	0.086%
71	7.704	7.666	7.725	VV	119	3543	0.41%	0.162%
72	7.735	7.725	7.779	VV	113	3266	0.38%	0.149%
73	7.787	7.779	7.802	VV	85	991	0.11%	0.045%
74	7.806	7.802	7.826	VV	69	910	0.10%	0.042%
75	7.874	7.826	7.888	VV	109	3135	0.36%	0.143%
76	7.899	7.888	7.936	VV	111	2558	0.29%	0.117%
77	7.944	7.936	7.990	VV	69	1453	0.17%	0.066%
78	8.003	7.990	8.024	VV	37	591	0.07%	0.027%
79	8.038	8.024	8.056	VV	41	479	0.06%	0.022%
80	8.075	8.056	8.119	VV	27	1003	0.12%	0.046%
81	8.135	8.119	8.156	VV	39	615	0.07%	0.028%
82	8.188	8.156	8.226	VV	39	1201	0.14%	0.055%
83	8.252	8.226	8.297	VV	46	1435	0.17%	0.066%
84	8.310	8.297	8.330	VV	36	450	0.05%	0.021%
85	8.349	8.330	8.359	VV	28	351	0.04%	0.016%
86	8.392	8.359	8.431	VV	37	1136	0.13%	0.052%
87	8.449	8.431	8.473	VV	43	642	0.07%	0.029%
88	8.485	8.473	8.494	VV	27	235	0.03%	0.011%
89	8.525	8.494	8.554	VV	38	1032	0.12%	0.047%

					rteres			
90	8.568	8.554	8.577	VV	39	438	0.05%	0.020%
91	8.584	8.577	8.612	VV	34	534	0.06%	0.024%
92	8.619	8.612	8.634	VV	33	284	0.03%	0.013%
93	8.791	8.634	8.980	VV	5406	318810	36.67%	14.578%
94	8.993	8.980	9.072	VV	93	3442	0.40%	0.157%
95	9.095	9.072	9.133	VV	48	1310	0.15%	0.060%
96	9.145	9.133	9.176	VV	38	829	0.10%	0.038%
97	9.207	9.176	9.216	VV	40	721	0.08%	0.033%
98	9.222	9.216	9.232	VV	30	221	0.03%	0.010%
99	9.242	9.232	9.274	VV	31	458	0.05%	0.021%
100	9.292	9.274	9.325	VV	30	518	0.06%	0.024%
101	9.342	9.325	9.349	PV	29	251	0.03%	0.011%
102	9.377	9.349	9.391	VV	44	844	0.10%	0.039%
103	9.425	9.391	9.436	VV	63	1059	0.12%	0.048%
104	9.449	9.436	9.466	VV	51	652	0.07%	0.030%
105	9.494	9.466	9.505	VV	27	516	0.06%	0.024%
106	9.516	9.505	9.529	VV	24	276	0.03%	0.013%
107	9.537	9.529	9.547	VV	17	166	0.02%	0.008%
108	9.554	9.547	9.559	VV	26	140	0.02%	0.006%
109	9.567	9.559	9.590	VV	28	393	0.05%	0.018%
110	9.607	9.590	9.625	VV	32	442	0.05%	0.020%
111	9.640	9.625	9.668	VV	38	703	0.08%	0.032%
112	9.685	9.668	9.697	VV	19	221	0.03%	0.010%
113	9.820	9.697	9.831	VV	128	4624	0.53%	0.211%
114	9.838	9.831	9.870	VV	113	2033	0.23%	0.093%
115	9.881	9.870	9.934	VV	67	1662	0.19%	0.076%
116	9.953	9.934	9.975	VV	38	736	0.08%	0.034%
117	9.991	9.975	10.001	VV	27	335	0.04%	0.015%
118	10.010	10.001	10.031	VV	28	357	0.04%	0.016%
119	10.041	10.031	10.059	VV	30	327	0.04%	0.015%
120	10.066	10.059	10.079	VV	22	202	0.02%	0.009%
121	10.110	10.079	10.124	VV	32	650	0.07%	0.030%
122	10.171	10.124	10.180	VV	42	1083	0.12%	0.050%
123	10.207	10.180	10.223	VV	56	954	0.11%	0.044%
124	10.244	10.223	10.253	VV	47	674	0.08%	0.031%
125	10.274	10.253	10.281	VV	61	847	0.10%	0.039%
126	10.300	10.281	10.321	VV	79	1577	0.18%	0.072%
127	10.354	10.321	10.372	VV	66	1723	0.20%	0.079%
128	10.379	10.372	10.468	VV	58	2273	0.26%	0.104%
129	10.477	10.468	10.484	VV	25	211	0.02%	0.010%
130	10.494	10.484	10.508	VV	28	330	0.04%	0.015%
131	10.621	10.508	10.767	VV	2073	109357	12.58%	5.001%
132	10.780	10.767	10.788	VV	130	1623	0.19%	0.074%
133	10.794	10.788	10.877	VV	129	4474	0.51%	0.205%
134	10.888	10.877	10.910	VV	47	723	0.08%	0.033%
135	10.947	10.910	10.956	VV	56	997	0.11%	0.046%
136	10.962	10.956	10.966	VV	41	228	0.03%	0.010%
137	10.973	10.966	10.995	VV	47	518	0.06%	0.024%
138	11.015	10.995	11.036	VV	32	541	0.06%	0.025%
139	11.044	11.036	11.055	VV	27	216	0.02%	0.010%
140	11.065	11.055	11.082	VV	31	239	0.03%	0.011%
141	11.117	11.082	11.125	VV	31	371	0.04%	0.017%

					rteres			
142	11.133	11.125	11.142	VV	37	279	0.03%	0.013%
143	11.155	11.142	11.194	VV	36	946	0.11%	0.043%
144	11.205	11.194	11.228	VV	24	401	0.05%	0.018%
145	11.248	11.228	11.265	VV	34	367	0.04%	0.017%
146	11.301	11.265	11.315	VV	27	527	0.06%	0.024%
147	11.335	11.315	11.353	VV	16	239	0.03%	0.011%
148	11.429	11.353	11.562	VV	176	12174	1.40%	0.557%
149	11.572	11.562	11.587	VV	62	700	0.08%	0.032%
150	11.594	11.587	11.624	VV	55	851	0.10%	0.039%
151	11.679	11.624	11.696	VV	61	1797	0.21%	0.082%
152	11.774	11.696	11.803	VV	100	5277	0.61%	0.241%
153	11.876	11.803	11.960	VV	221	11833	1.36%	0.541%
154	12.083	11.960	12.190	VV	184	12903	1.48%	0.590%
155	12.204	12.190	12.213	VV	23	244	0.03%	0.011%
156	12.274	12.213	12.289	VV	30	805	0.09%	0.037%
157	12.299	12.289	12.309	VV	26	255	0.03%	0.012%
158	12.317	12.309	12.329	VV	25	231	0.03%	0.011%
159	12.336	12.329	12.344	VV	20	141	0.02%	0.006%
160	12.353	12.344	12.372	VV	29	305	0.04%	0.014%
161	12.378	12.372	12.386	VV	23	129	0.01%	0.006%
162	12.403	12.386	12.412	VV	23	248	0.03%	0.011%
163	12.422	12.412	12.432	VV	29	226	0.03%	0.010%
164	12.437	12.432	12.442	VV	15	67	0.01%	0.003%
165	12.447	12.442	12.456	VV	16	72	0.01%	0.003%
166	12.476	12.456	12.489	PV	15	195	0.02%	0.009%
167	12.501	12.489	12.510	VV	17	159	0.02%	0.007%
168	12.528	12.510	12.546	VV	25	364	0.04%	0.017%
169	12.574	12.546	12.590	VV	21	350	0.04%	0.016%
170	12.605	12.590	12.617	VV	15	145	0.02%	0.007%
171	12.632	12.617	12.640	PV	16	97	0.01%	0.004%
172	12.762	12.640	12.918	VV	771	43703	5.03%	1.998%
173	13.025	12.918	13.133	VV	268	24154	2.78%	1.104%
174	13.186	13.133	13.259	VV	246	13445	1.55%	0.615%
175	13.297	13.259	13.430	VV	150	10200	1.17%	0.466%
176	13.538	13.430	13.678	VV	409	28858	3.32%	1.320%
177	13.693	13.678	13.708	VV	73	1096	0.13%	0.050%
178	13.717	13.708	13.723	VV	76	605	0.07%	0.028%
179	13.728	13.723	13.742	VV	74	802	0.09%	0.037%
180	13.781	13.742	13.789	VV	116	2744	0.32%	0.125%
181	13.808	13.789	13.824	VV	139	2478	0.29%	0.113%
182	13.920	13.824	13.997	VV	309	19484	2.24%	0.891%
183	14.105	13.997	14.211	VV	728	66766	7.68%	3.053%
184	14.346	14.211	14.520	VV	13954	869295	100.00%	39.750%
185	14.544	14.520	14.559	PV	19	267	0.03%	0.012%
186	14.572	14.559	14.595	VV	24	319	0.04%	0.015%
187	14.618	14.595	14.628	VV	34	480	0.06%	0.022%
188	14.678	14.628	14.733	VV	79	3199	0.37%	0.146%
189	14.909	14.733	14.993	VV	1348	98884	11.38%	4.522%
190	15.059	14.993	15.168	VV	1231	66146	7.61%	3.025%
191	15.177	15.168	15.252	VV	289	11714	1.35%	0.536%
192	15.353	15.252	15.451	VV	626	46736	5.38%	2.137%
193	15.621	15.451	15.749	VV	2349	158405	18.22%	7.243%
194	15.791	15.749	15.837	VV	83	2949	0.34%	0.135%

					rteres			
195	15.908	15.837	16.013	VV	256	14293	1.64%	0.654%
196	16.025	16.013	16.113	VV	65	2199	0.25%	0.101%
197	16.211	16.113	16.294	VV	968	59426	6.84%	2.717%
198	16.366	16.294	16.403	VBA	1007	53191	6.12%	2.432%
				Sum of corrected areas:		2186890		

FB011525.M Sat Feb 01 00:57:25 2025



CALIBRATION SUMMARY

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GASOLINE RANGE ORGANICS INITIAL CALIBRATION SUMMARY

Lab Name: Chemtech Contract: RUTW01
 ProjectID: NYCDDC SANTWOBR Brooklyn Bridge BBMCR
 Lab Code: CHEM Case No.: Q1242 SAS No.: Q1242 SDG No.: Q1242

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

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

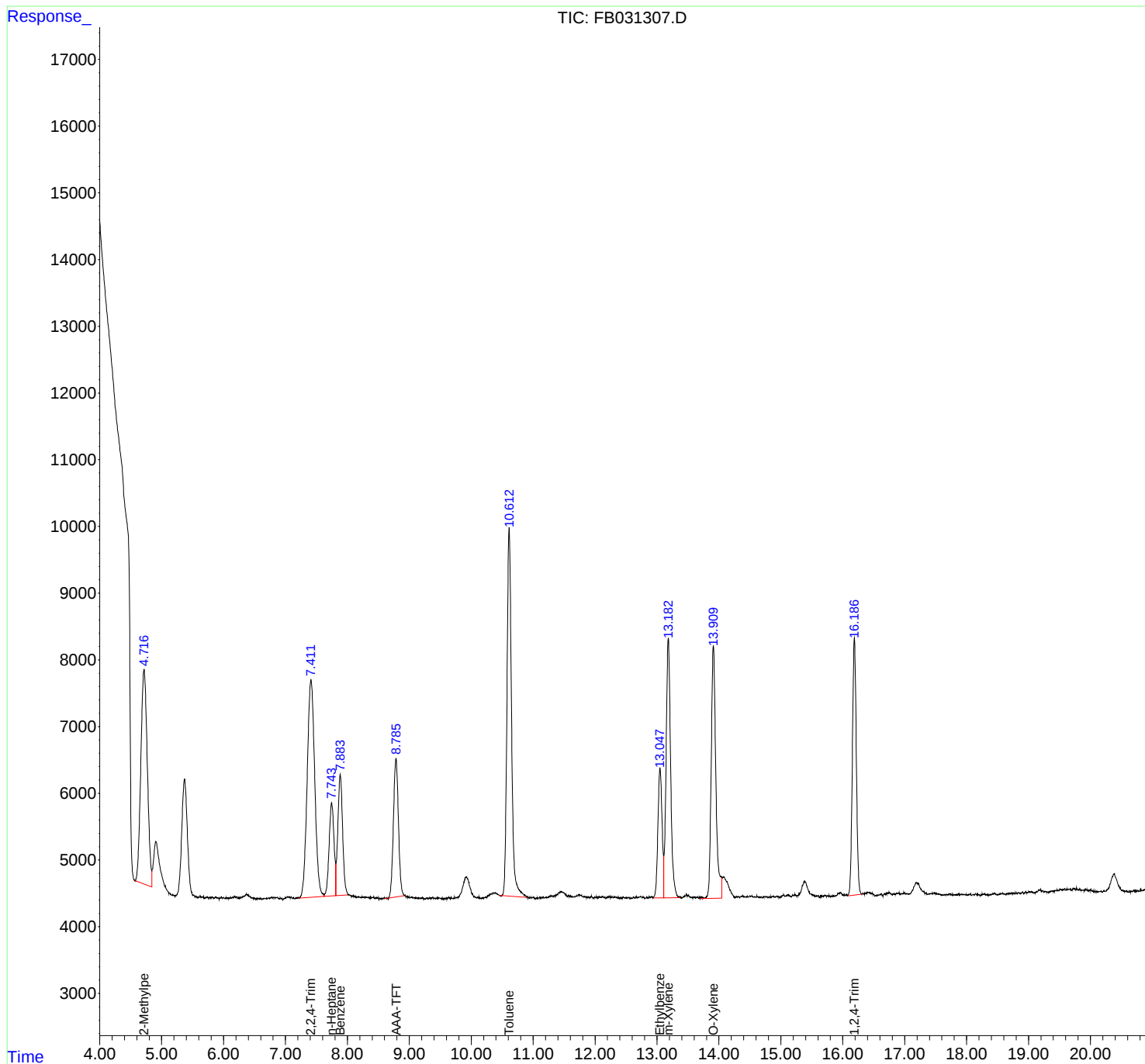
(m)=manual int.

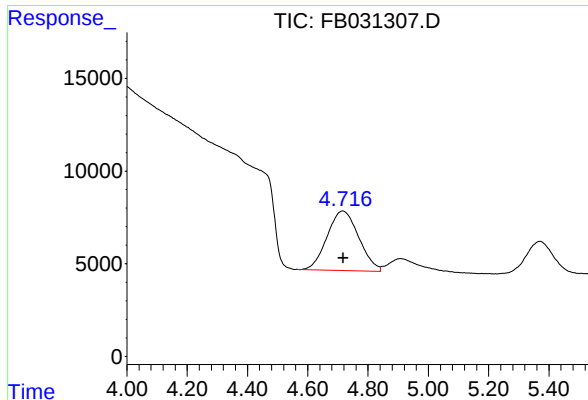
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011525\
Data File : FB031307.D
Signal(s) : FID2B.CH
Acq On : 15 Jan 2025 10:20
Operator : YP/AJ
Sample : 5 GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

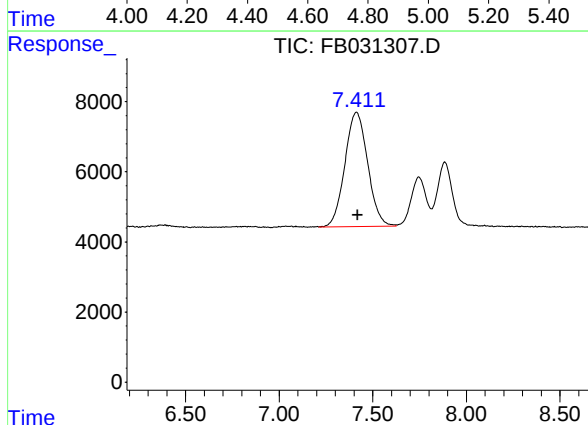




#1 2-Methylpentane

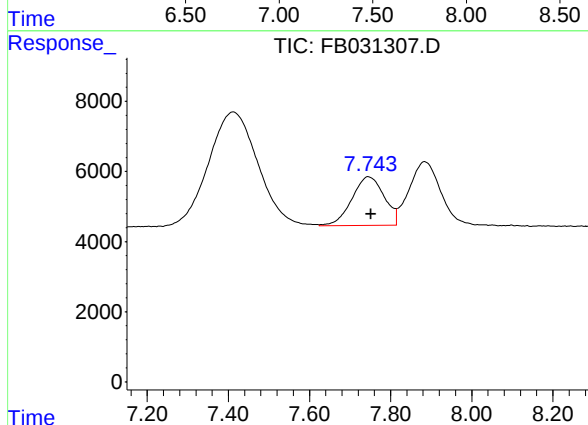
R.T.: 4.718 min
Delta R.T.: 0.000 min
Response: 233598
Conc: 7.65 ng/ml

Instrument :
FID_B
ClientSampleId :
5 GRO STD



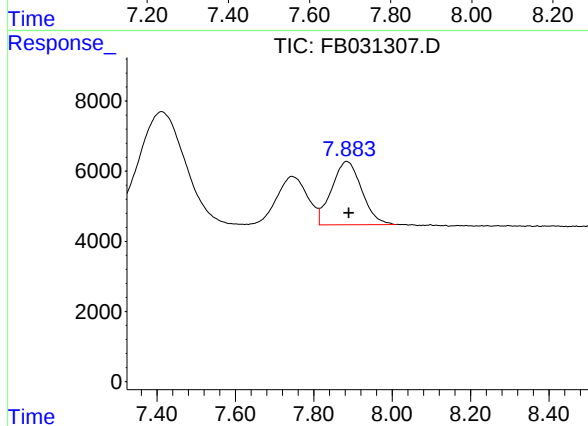
#2 2,2,4-Trimethylpentane

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



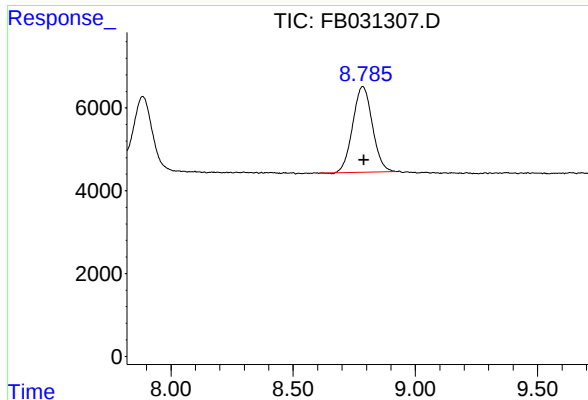
#3 n-Heptane

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



#4 Benzene

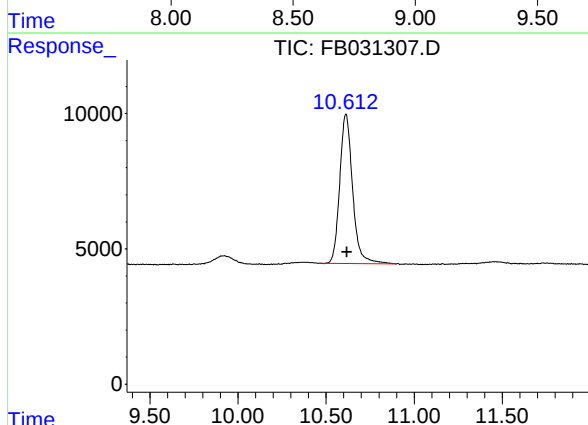
R.T.: 7.885 min
Delta R.T.: -0.005 min
Response: 96940
Conc: 2.46 ng/ml



#5 AAA-TFT

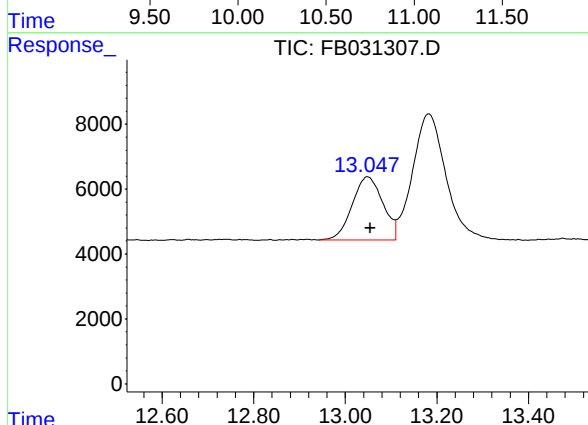
R.T.: 8.786 min
Delta R.T.: -0.003 min
Response: 115906
Conc: 4.68 ng/ml

Instrument :
FID_B
ClientSampleId :
5 GRO STD



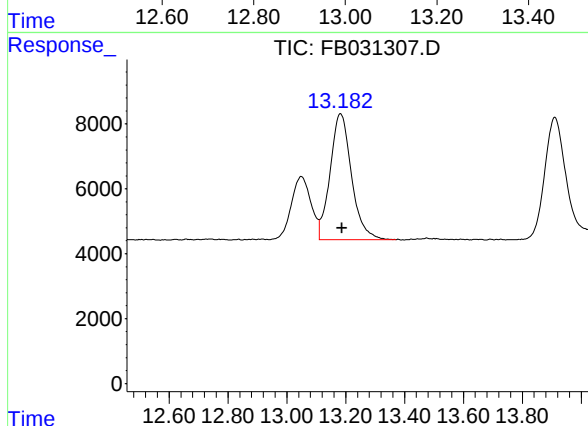
#6 Toluene

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



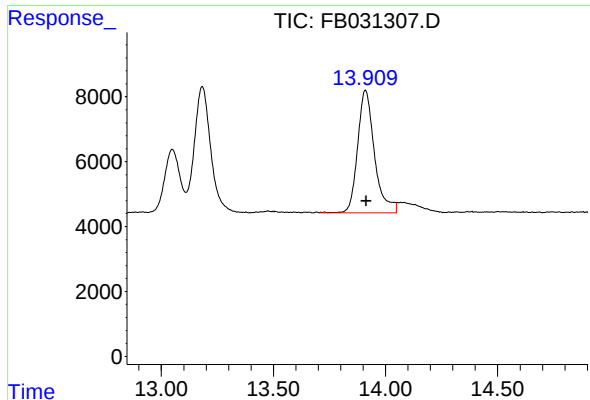
#7 Ethylbenzene

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



#8 m-Xylene

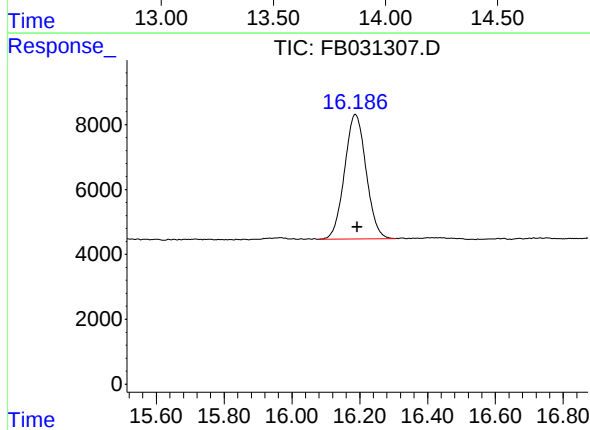
R.T.: 13.183 min
Delta R.T.: -0.005 min
Response: 196650
Conc: 5.78 ng/ml



#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

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

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

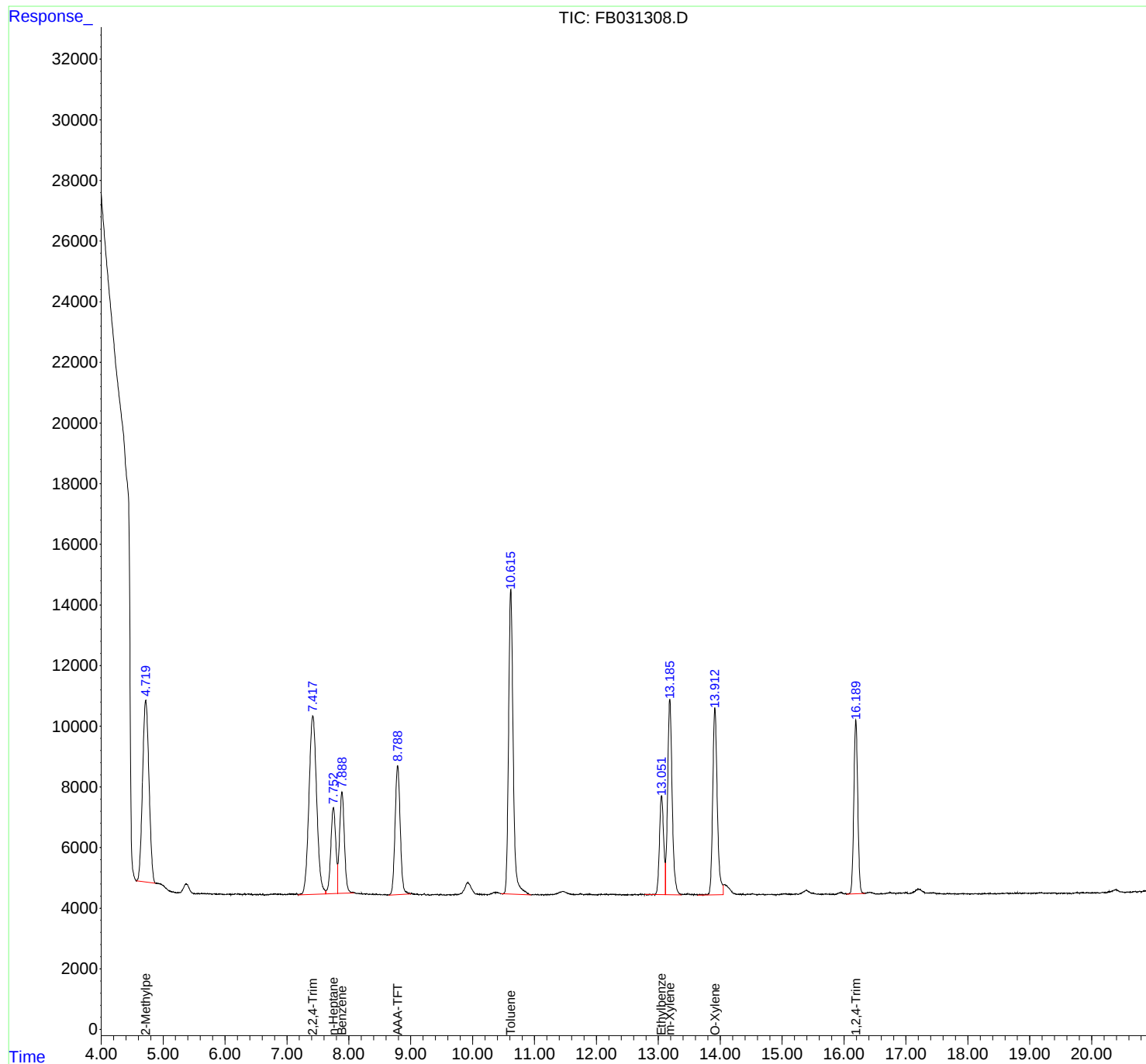
(m)=manual int.

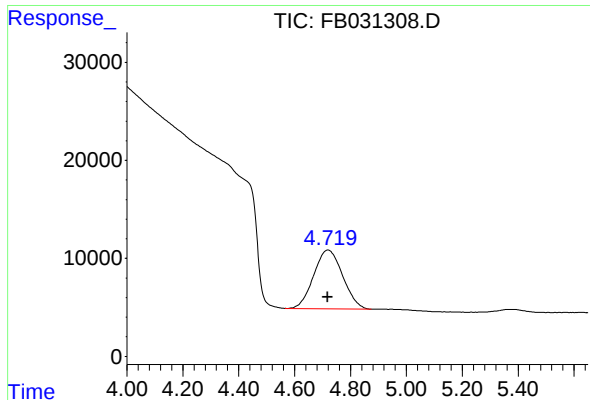
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011525\
Data File : FB031308.D
Signal(s) : FID2B.CH
Acq On : 15 Jan 2025 10:47
Operator : YP/AJ
Sample : 10 GRO STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

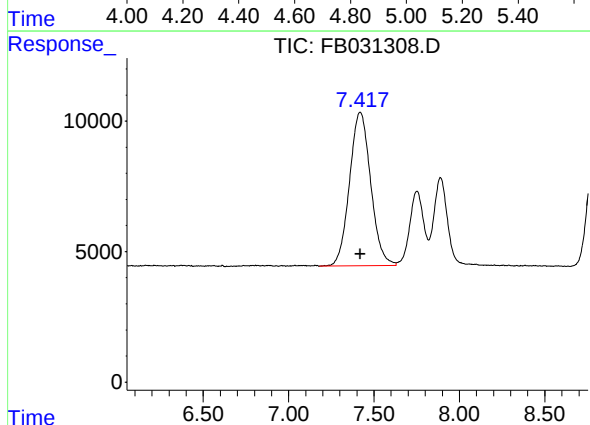




#1 2-Methylpentane

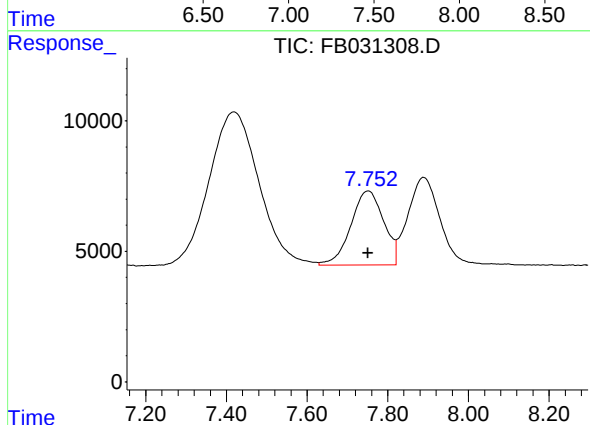
R.T.: 4.720 min
Delta R.T.: 0.002 min
Response: 431842
Conc: 14.01 ng/ml

Instrument :
FID_B
ClientSampleId :
10 GRO STD



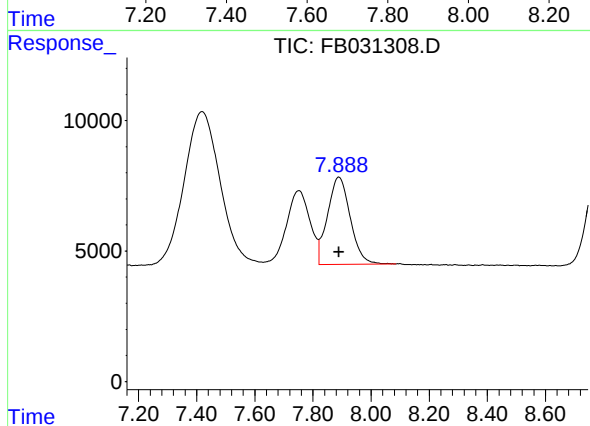
#2 2,2,4-Trimethylpentane

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



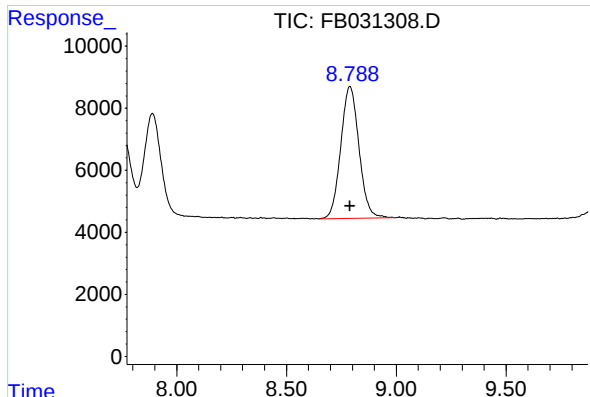
#3 n-Heptane

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



#4 Benzene

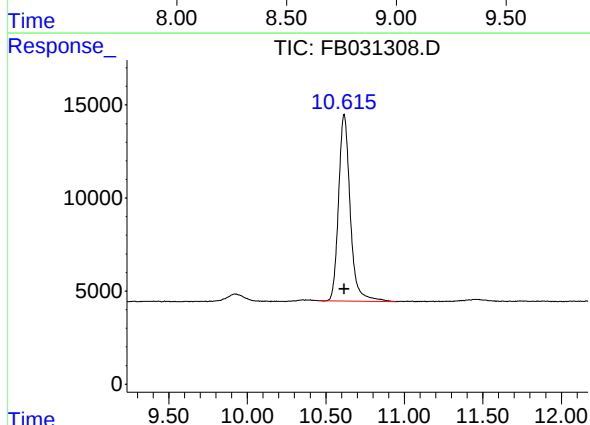
R.T.: 7.890 min
Delta R.T.: 0.000 min
Response: 182595
Conc: 4.67 ng/ml



#5 AAA-TFT

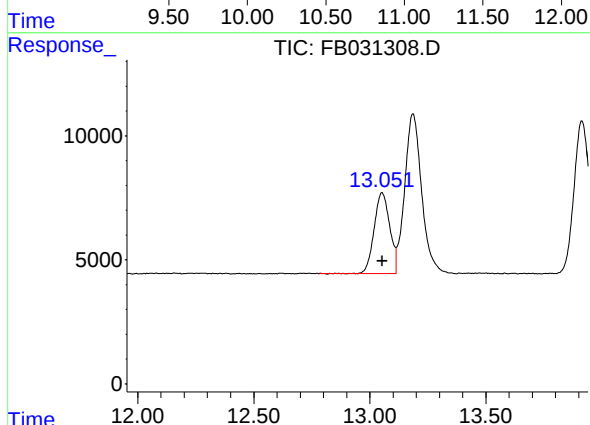
R.T.: 8.789 min
Delta R.T.: 0.000 min
Response: 244936
Conc: 10.22 ng/ml

Instrument :
FID_B
ClientSampleId :
10 GRO STD



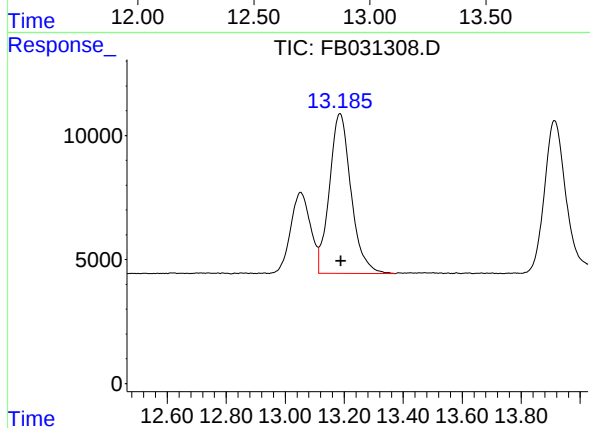
#6 Toluene

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



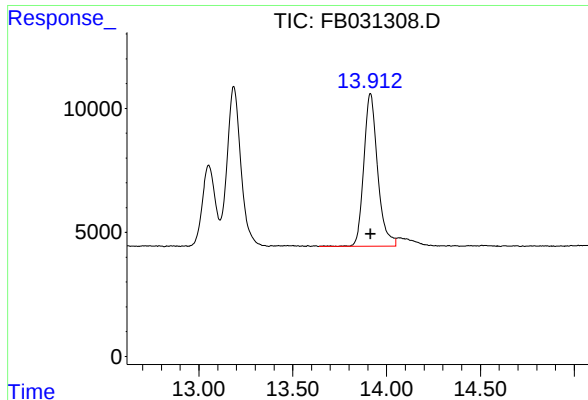
#7 Ethylbenzene

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



#8 m-Xylene

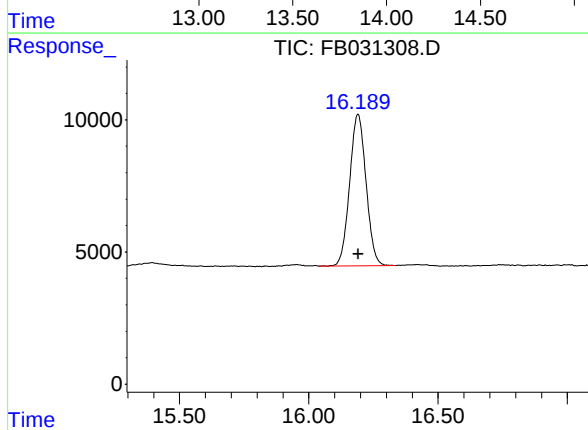
R.T.: 13.186 min
Delta R.T.: -0.002 min
Response: 328529
Conc: 8.96 ng/ml



#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

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

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

Instrument :
FID_B
ClientSampleId :
20 GRO STD

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

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

Compound	R.T.	Response	Conc Units

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

(f)=RT Delta > 1/2 Window

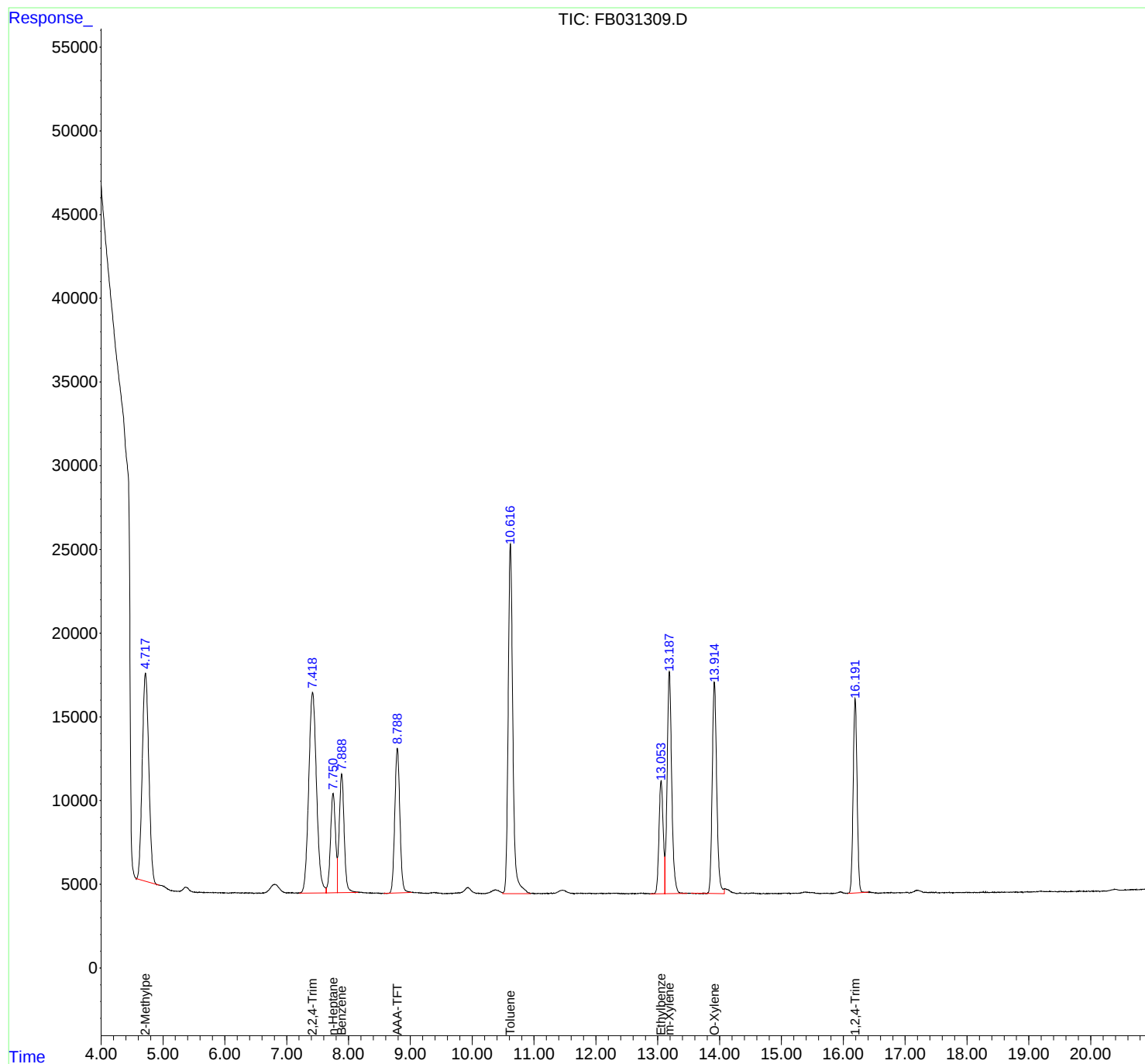
(m)=manual int.

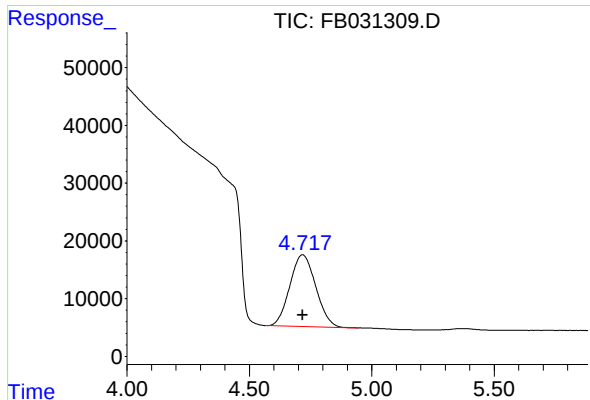
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011525\
Data File : FB031309.D
Signal(s) : FID2B.CH
Acq On : 15 Jan 2025 11:13
Operator : YP/AJ
Sample : 20 GRO STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 GRO STD

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

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

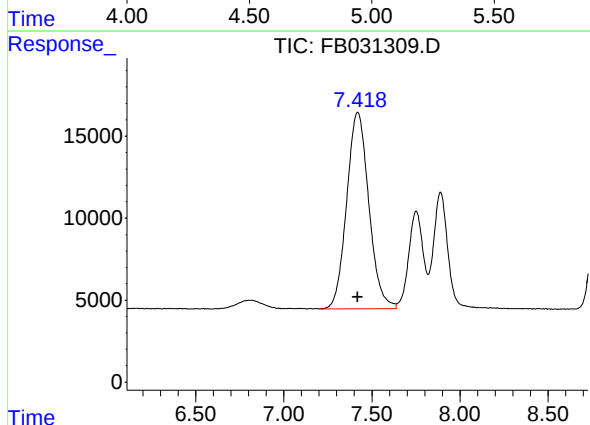




#1 2-Methylpentane

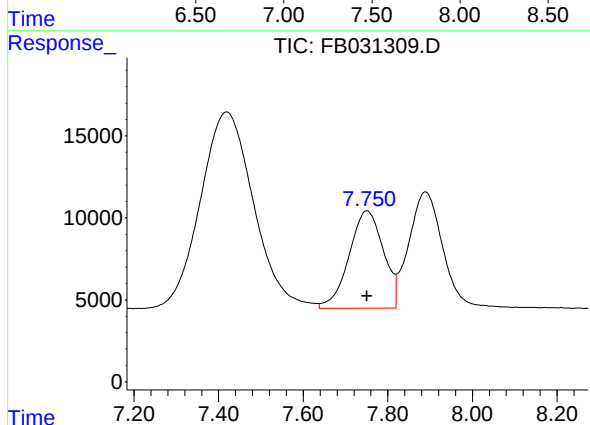
R.T.: 4.718 min
Delta R.T.: 0.000 min
Response: 915530
Conc: 30.00 ng/ml

Instrument :
FID_B
ClientSampleId :
20 GRO STD



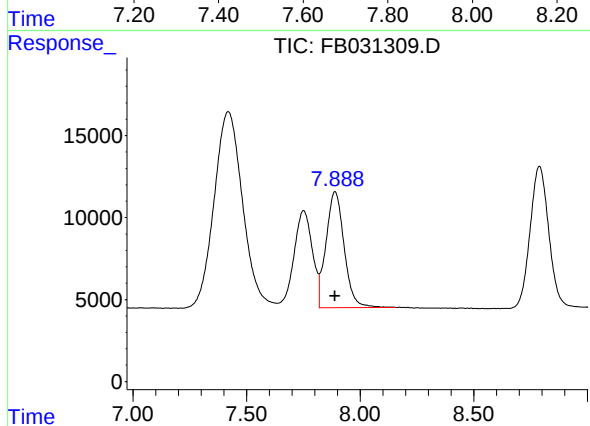
#2 2,2,4-Trimethylpentane

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



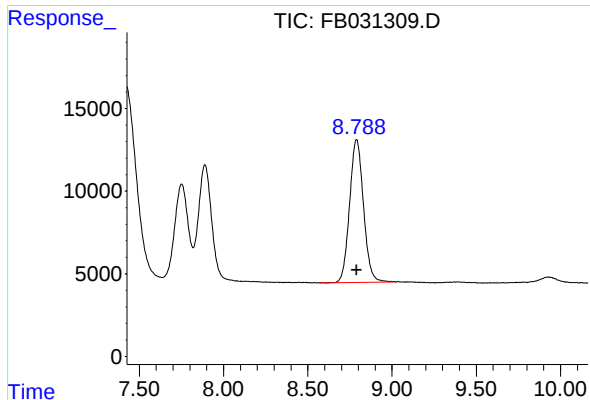
#3 n-Heptane

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



#4 Benzene

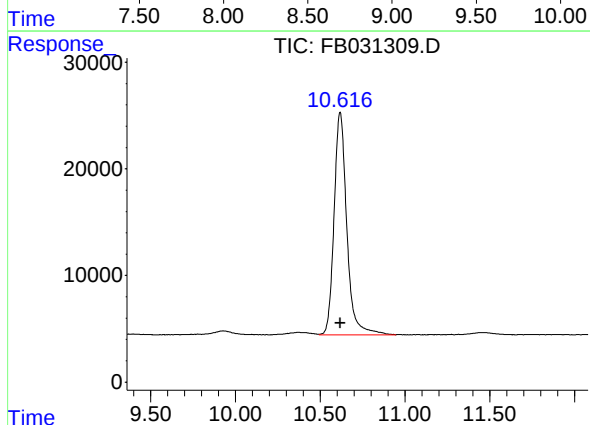
R.T.: 7.890 min
Delta R.T.: 0.000 min
Response: 394556
Conc: 10.00 ng/ml



#5 AAA-TFT

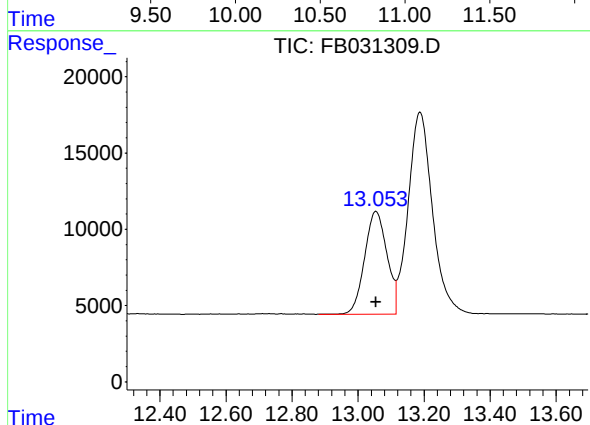
R.T.: 8.790 min
Delta R.T.: 0.000 min
Response: 495333
Conc: 20.00 ng/ml

Instrument :
FID_B
ClientSampleId :
20 GRO STD



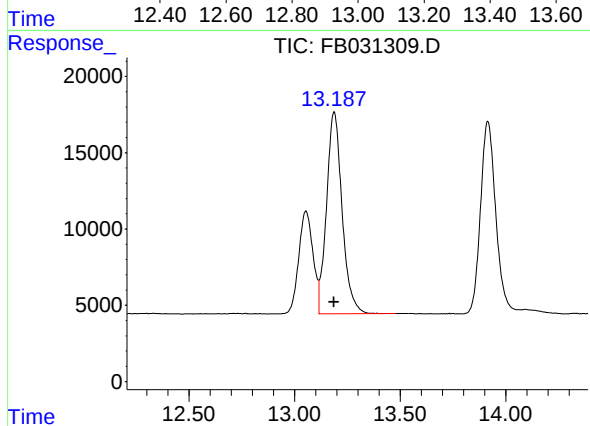
#6 Toluene

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



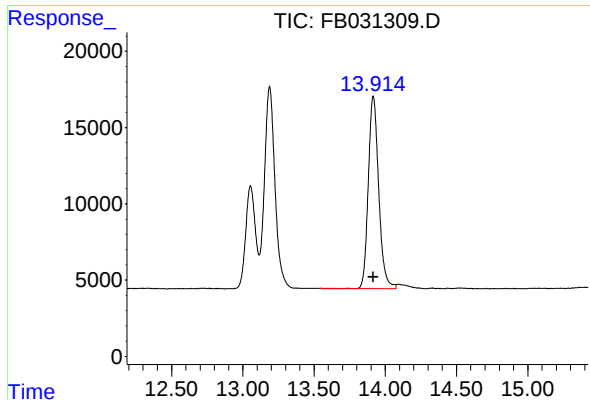
#7 Ethylbenzene

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



#8 m-Xylene

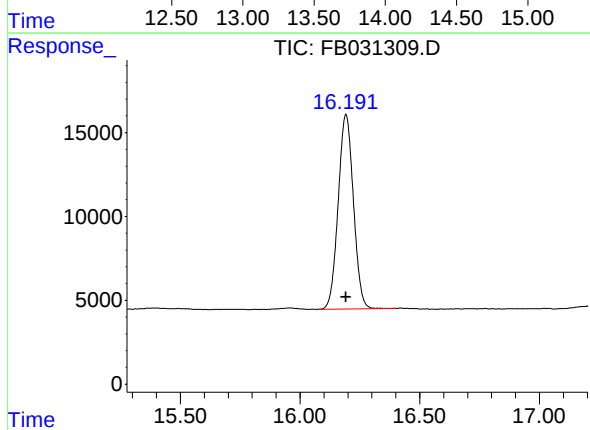
R.T.: 13.188 min
Delta R.T.: 0.000 min
Response: 679935
Conc: 20.00 ng/ml



#9 O-Xylene

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

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

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

Instrument :
 FID_B
 ClientSampleId :
 50 GRO STD

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

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

Compound	R.T.	Response	Conc Units

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

(f)=RT Delta > 1/2 Window

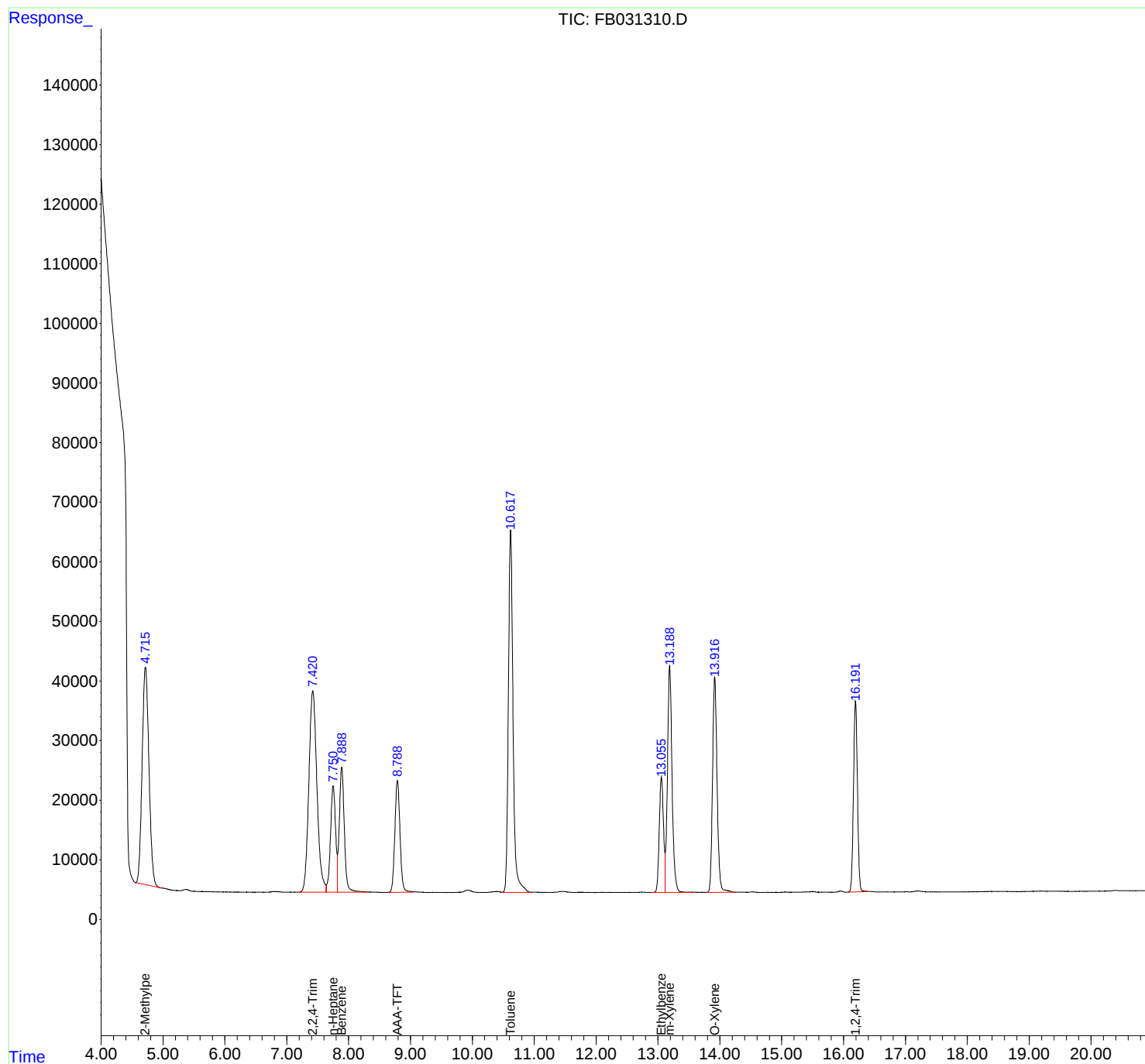
(m)=manual int.

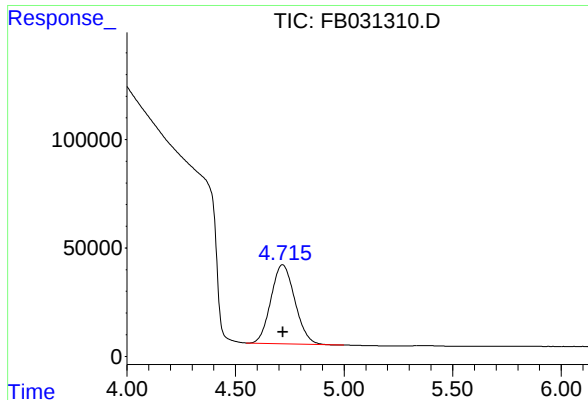
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011525\
Data File : FB031310.D
Signal(s) : FID2B.CH
Acq On : 15 Jan 2025 11:40
Operator : YP/AJ
Sample : 50 GRO STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
50 GRO STD

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

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

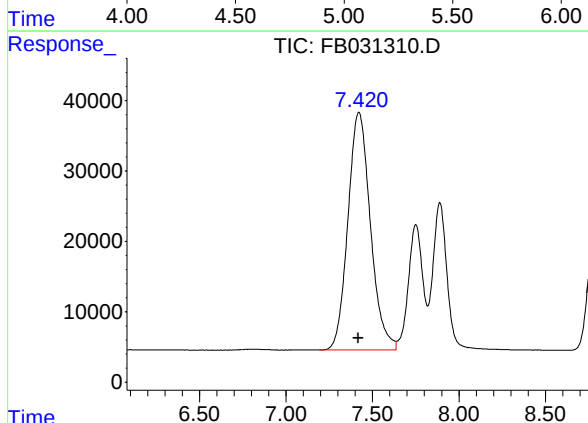




#1 2-Methylpentane

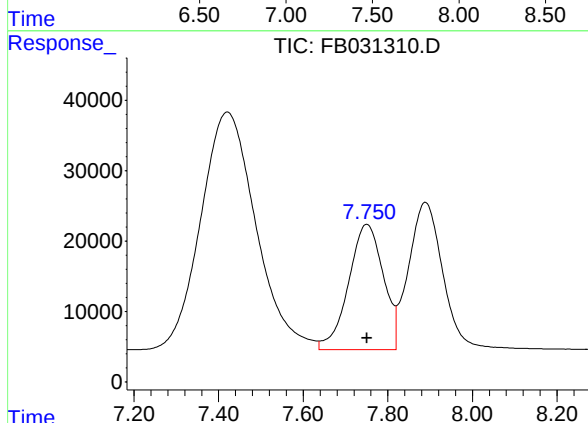
R.T.: 4.716 min
Delta R.T.: -0.002 min
Response: 2794680
Conc: 92.69 ng/ml

Instrument :
FID_B
ClientSampleId :
50 GRO STD



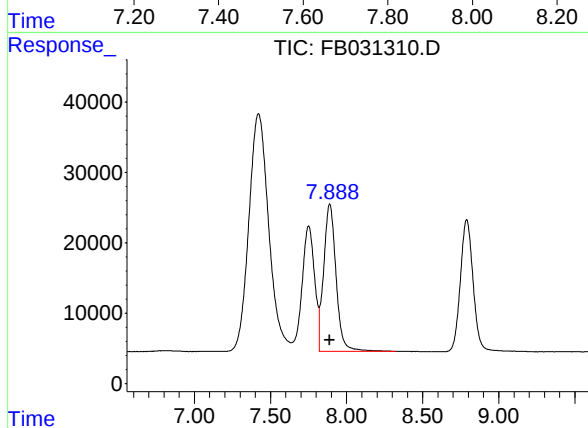
#2 2,2,4-Trimethylpentane

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



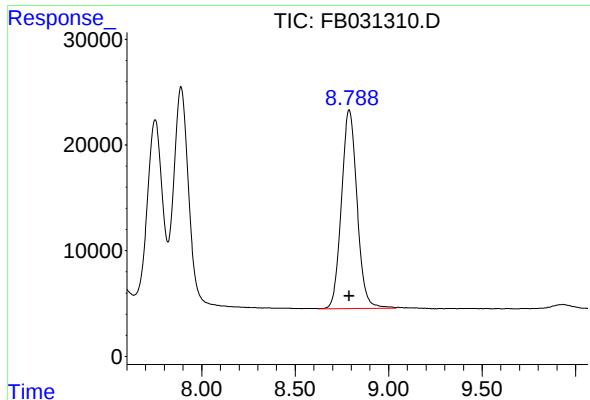
#3 n-Heptane

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



#4 Benzene

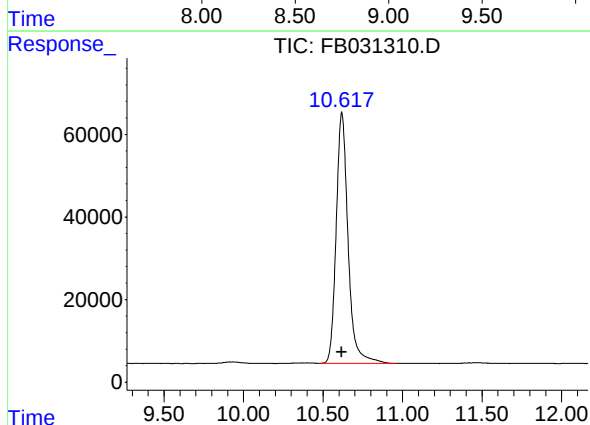
R.T.: 7.889 min
Delta R.T.: 0.000 min
Response: 1195371
Conc: 31.25 ng/ml



#5 AAA-TFT

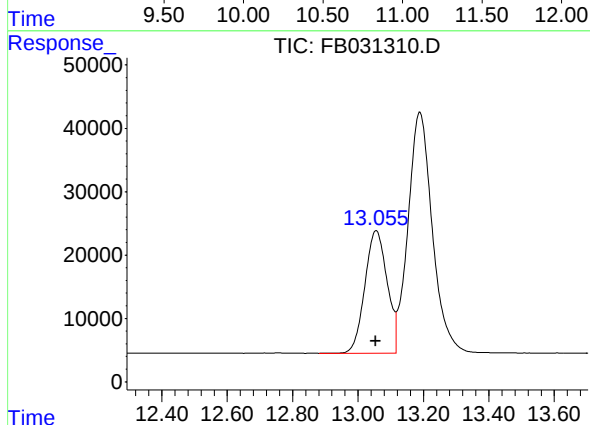
R.T.: 8.789 min
Delta R.T.: 0.000 min
Response: 1088363
Conc: 45.07 ng/ml

Instrument : FID_B
ClientSampleId : 50 GRO STD



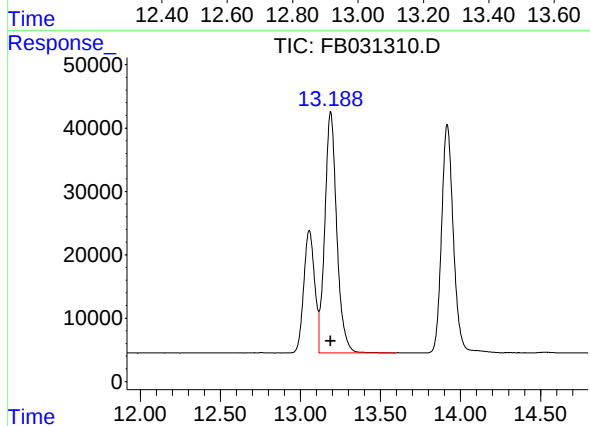
#6 Toluene

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



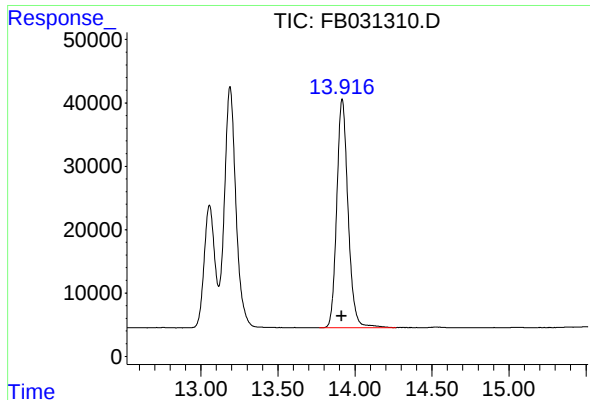
#7 Ethylbenzene

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



#8 m-Xylene

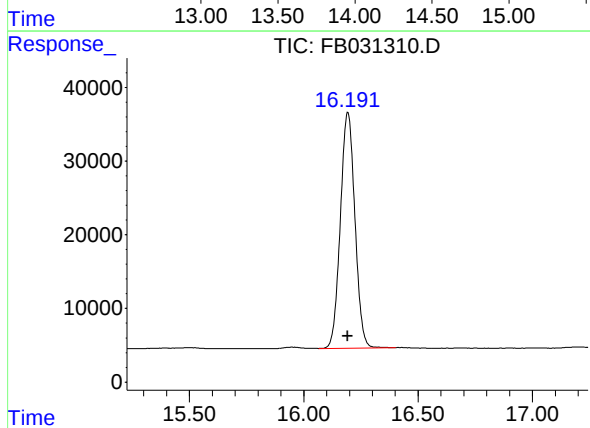
R.T.: 13.189 min
Delta R.T.: 0.001 min
Response: 1979254
Conc: 55.92 ng/ml



#9 O-Xylene

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

Instrument :
FID_B
ClientSampleId :
50 GRO STD



#10 1,2,4-Trimethylbenzene

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

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

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

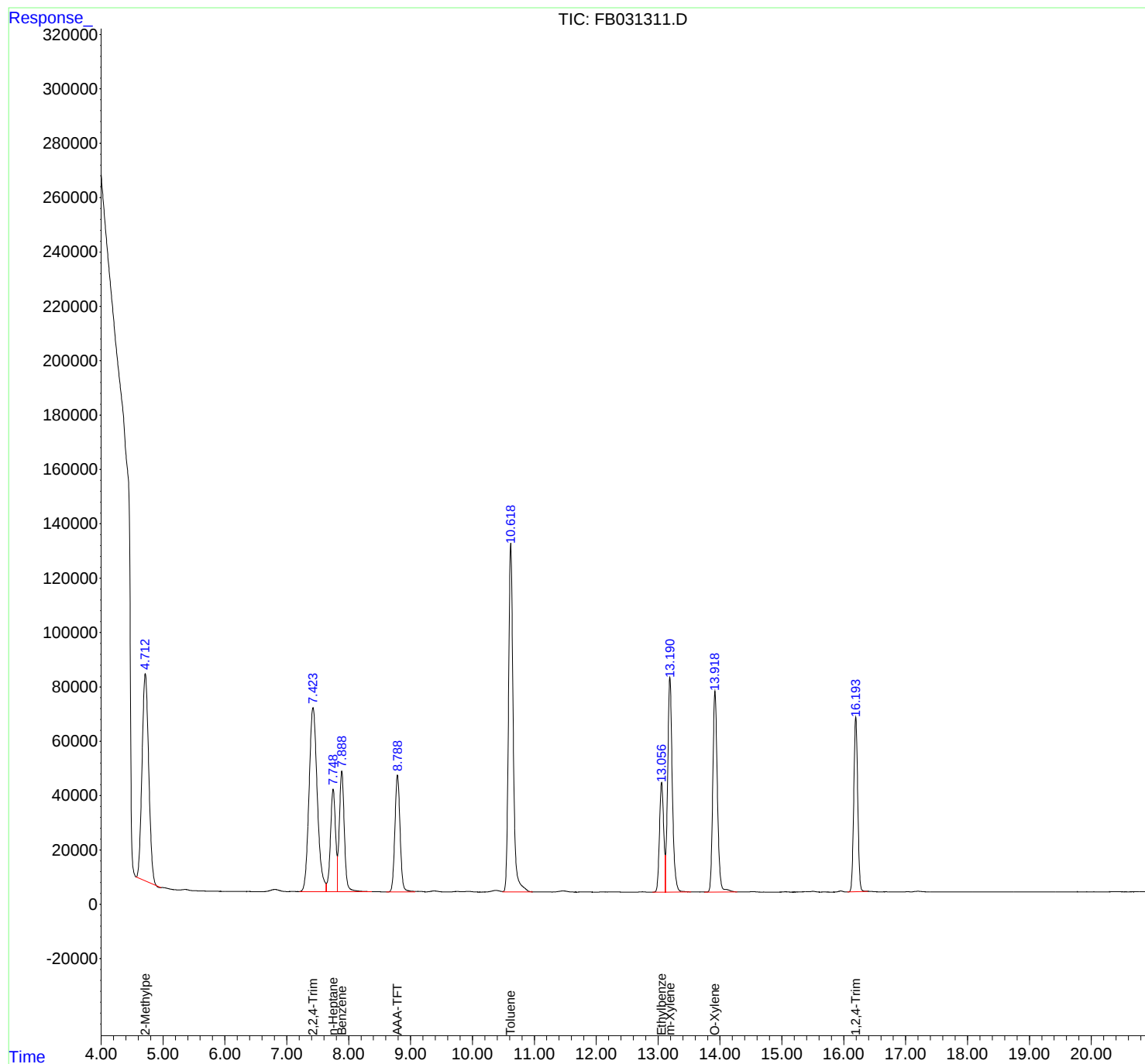
(m)=manual int.

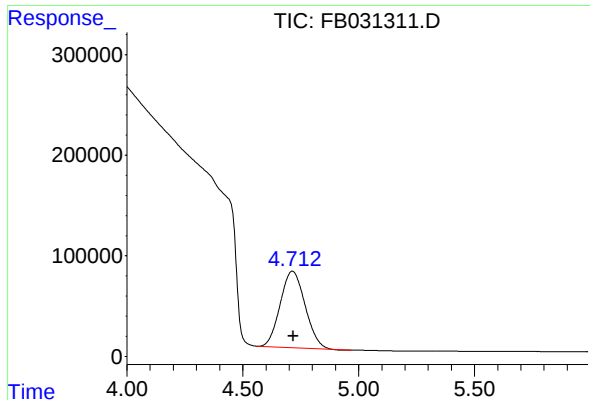
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011525\
Data File : FB031311.D
Signal(s) : FID2B.CH
Acq On : 15 Jan 2025 12:07
Operator : YP/AJ
Sample : 100 GRO STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

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

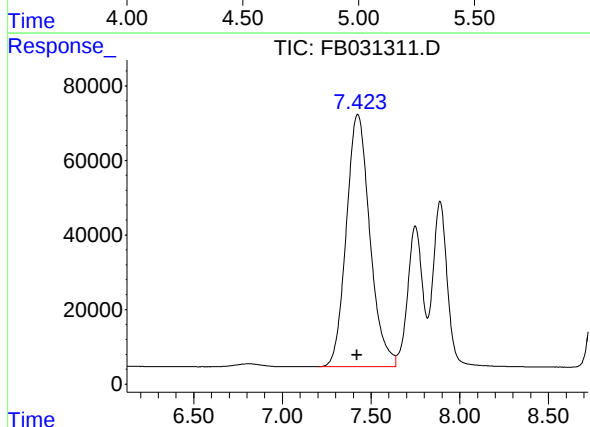




#1 2-Methylpentane

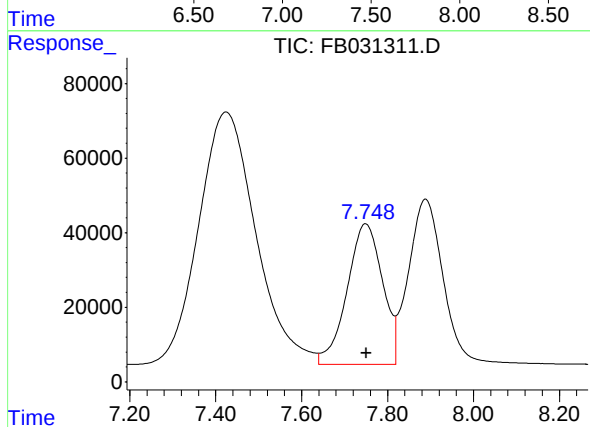
R.T.: 4.714 min
Delta R.T.: -0.004 min
Response: 5701862
Conc: 178.58 ng/ml

Instrument :
FID_B
ClientSampleId :
100 GRO STD



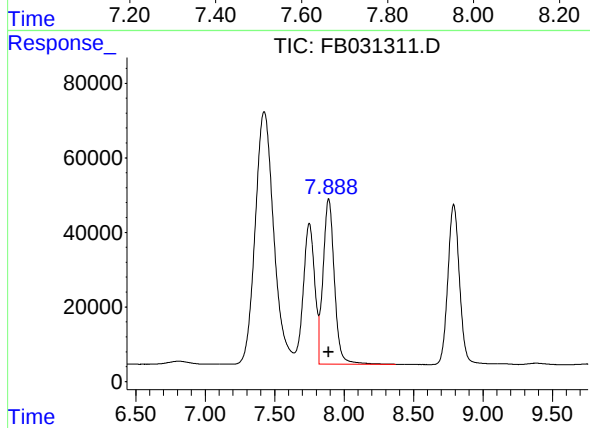
#2 2,2,4-Trimethylpentane

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



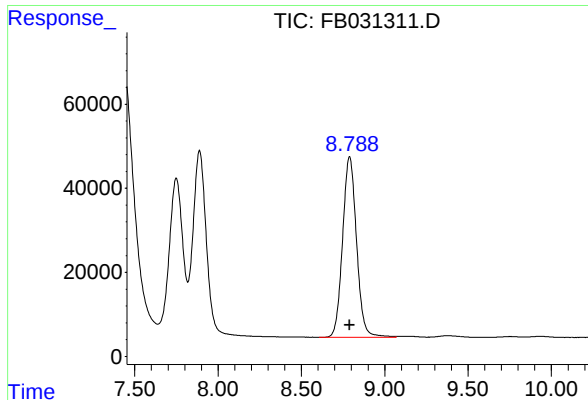
#3 n-Heptane

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



#4 Benzene

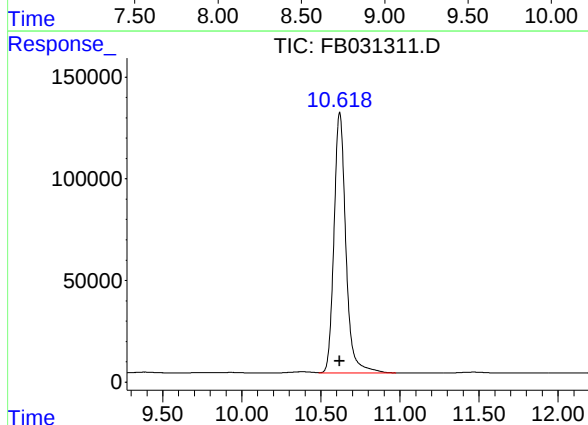
R.T.: 7.889 min
Delta R.T.: 0.000 min
Response: 2519199
Conc: 61.99 ng/ml



#5 AAA-TFT

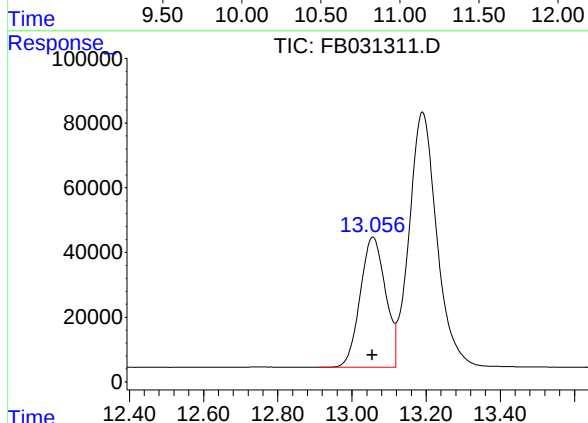
R.T.: 8.789 min
Delta R.T.: 0.000 min
Response: 2505507
Conc: 106.38 ng/ml

Instrument : FID_B
ClientSampleId : 100 GRO STD



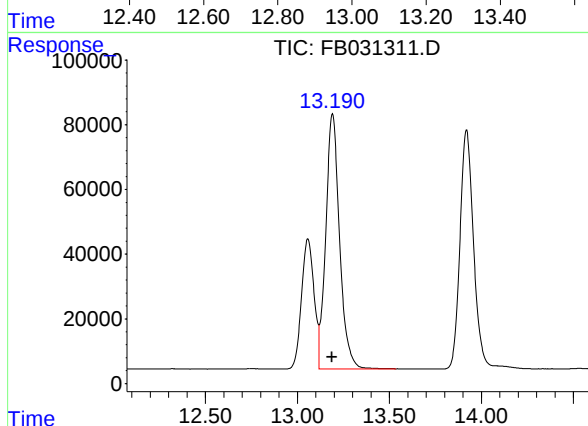
#6 Toluene

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



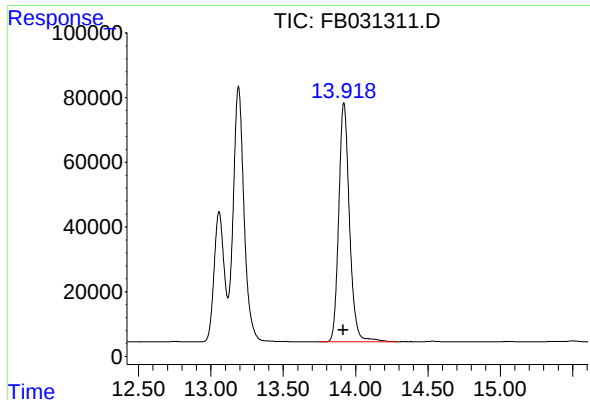
#7 Ethylbenzene

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



#8 m-Xylene

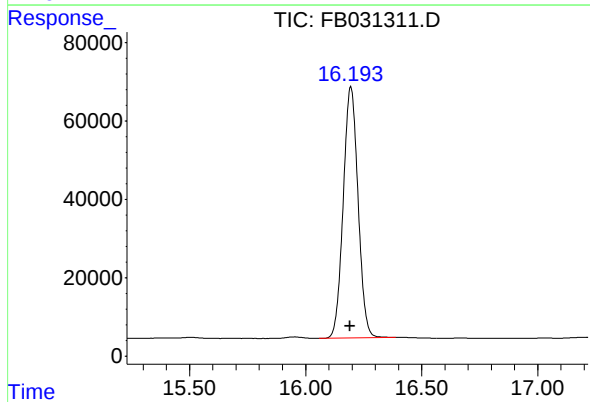
R.T.: 13.191 min
Delta R.T.: 0.003 min
Response: 4113116
Conc: 112.87 ng/ml



#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

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

Instrument :
 FID_B
 ClientSampleId :
 FB011525GROICV

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

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

Compound	R.T.	Response	Conc Units

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

(f)=RT Delta > 1/2 Window

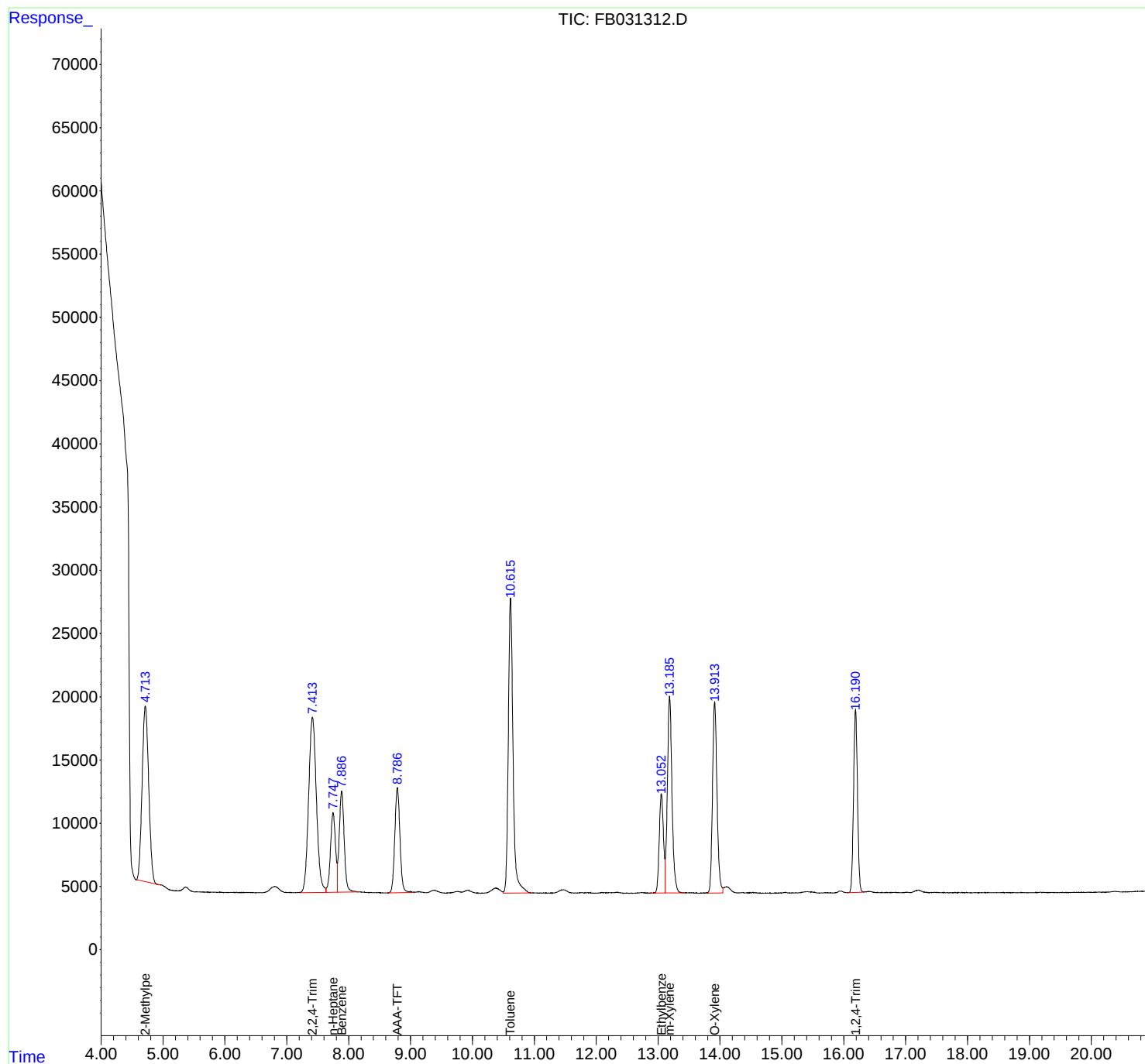
(m)=manual int.

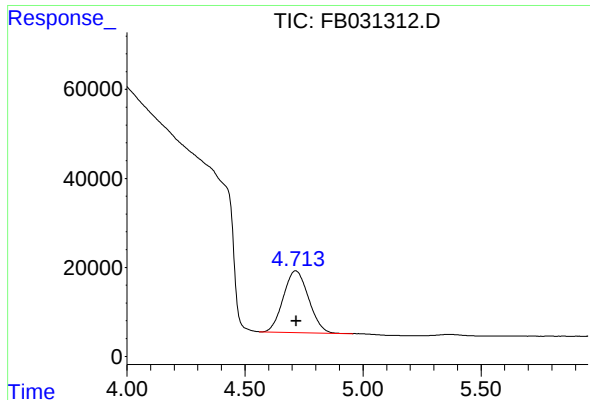
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB011525\
Data File : FB031312.D
Signal(s) : FID2B.CH
Acq On : 15 Jan 2025 12:44
Operator : YP/AJ
Sample : FB011525GROICV
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
FB011525GROICV

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

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

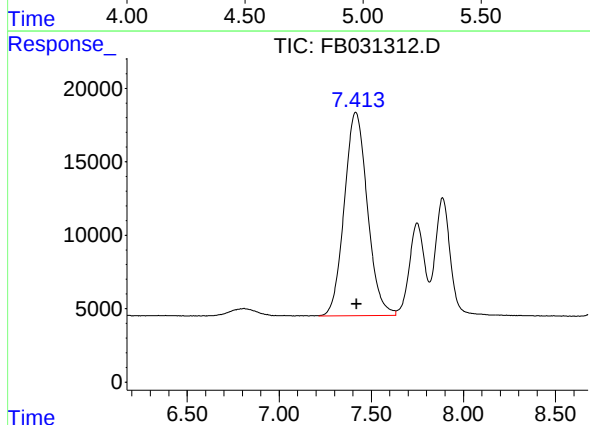




#1 2-Methylpentane

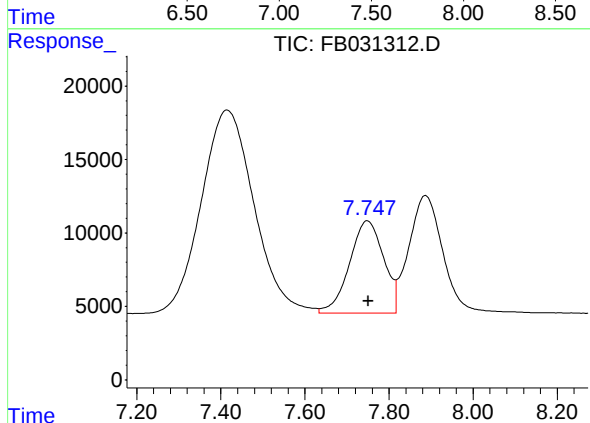
R.T.: 4.715 min
Delta R.T.: -0.003 min
Response: 1029585
Conc: 31.06 ng/ml

Instrument :
FID_B
ClientSampleId :
FB011525GROICV



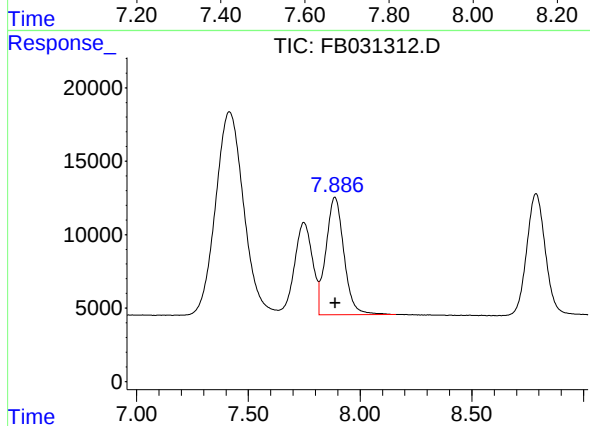
#2 2,2,4-Trimethylpentane

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



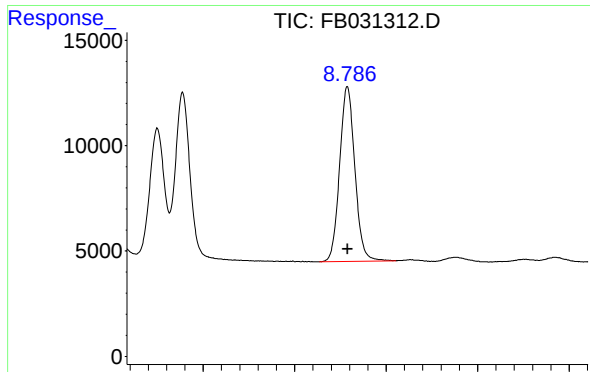
#3 n-Heptane

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



#4 Benzene

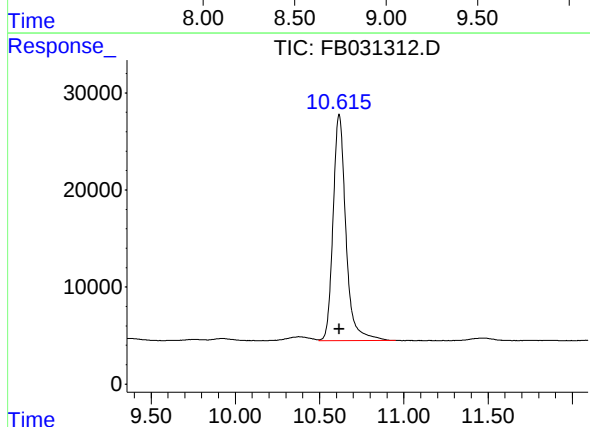
R.T.: 7.887 min
Delta R.T.: -0.003 min
Response: 448910
Conc: 10.54 ng/ml



#5 AAA-TFT

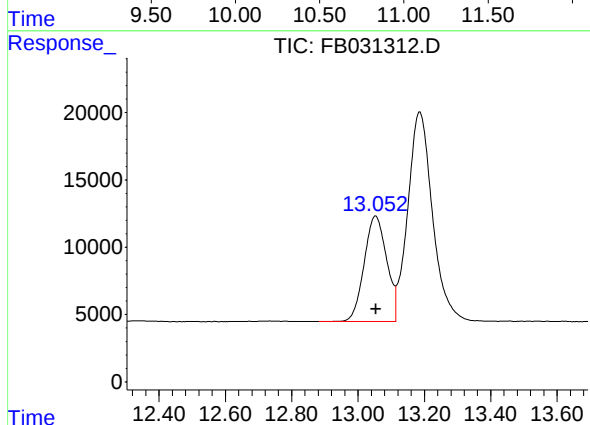
R.T.: 8.788 min
Delta R.T.: -0.002 min
Response: 479840
Conc: 20.12 ng/ml

Instrument :
FID_B
ClientSampleId :
FB011525GROICV



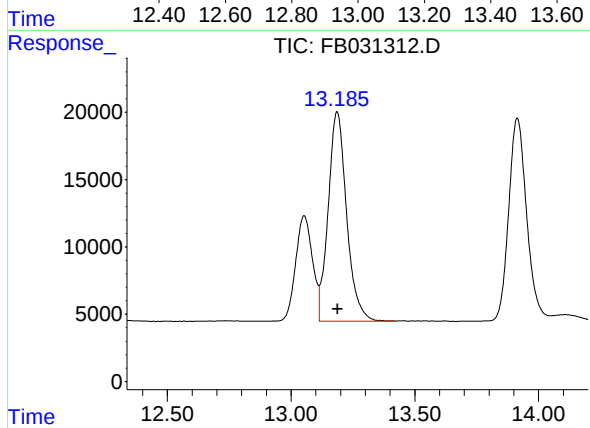
#6 Toluene

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



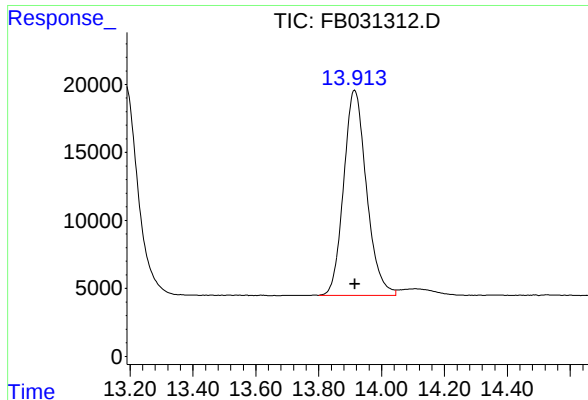
#7 Ethylbenzene

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



#8 m-Xylene

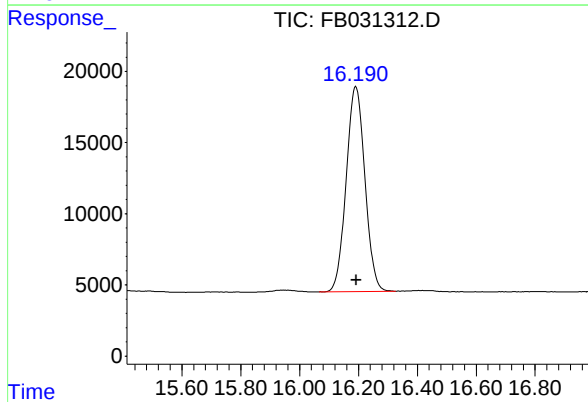
R.T.: 13.186 min
Delta R.T.: -0.002 min
Response: 805181
Conc: 21.54 ng/ml



#9 O-Xylene

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

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 : FB011525GR0ICV
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

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.: Q1242 SAS No.: Q1242 SDG No.: Q1242
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

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

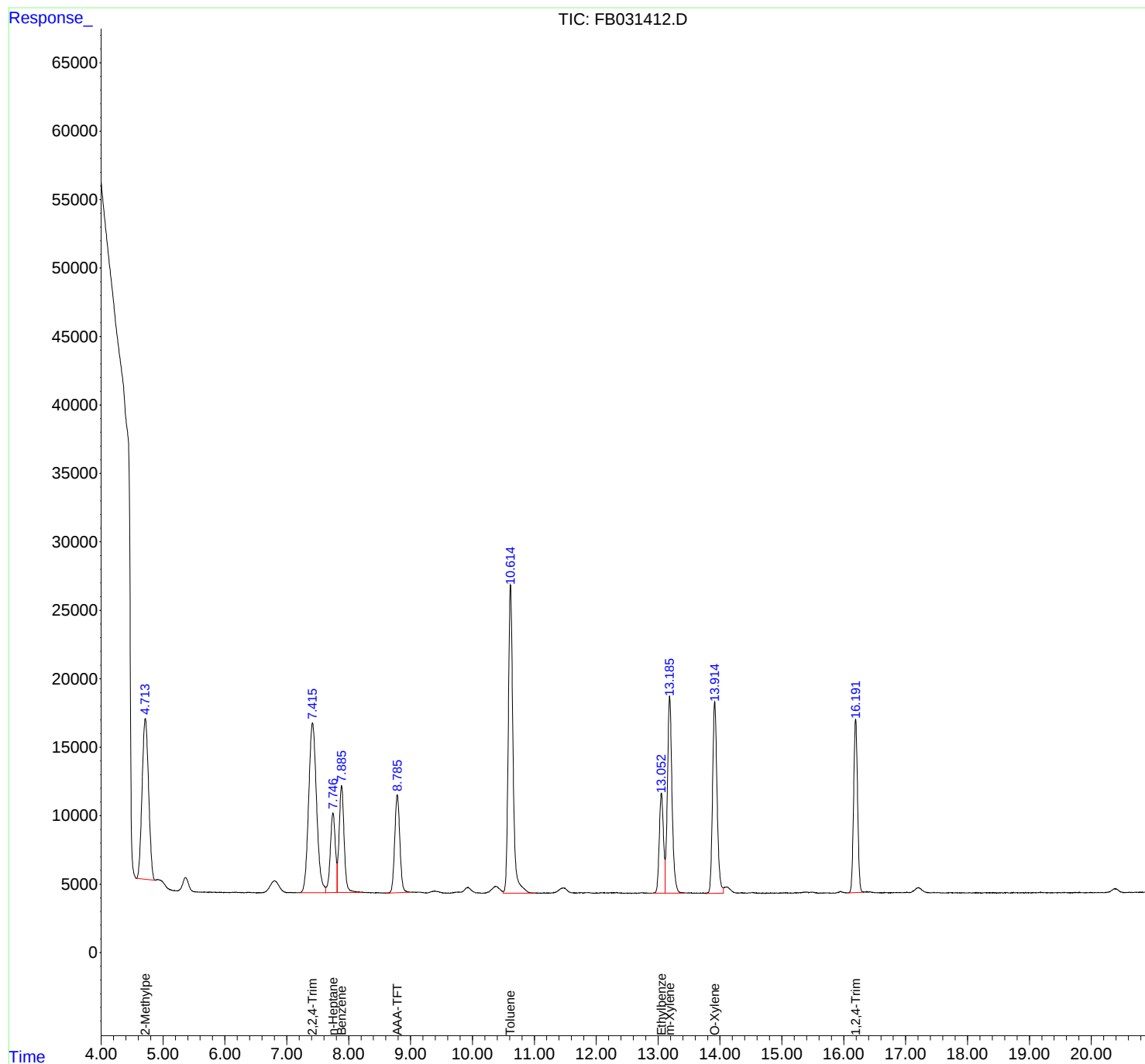
(m)=manual int.

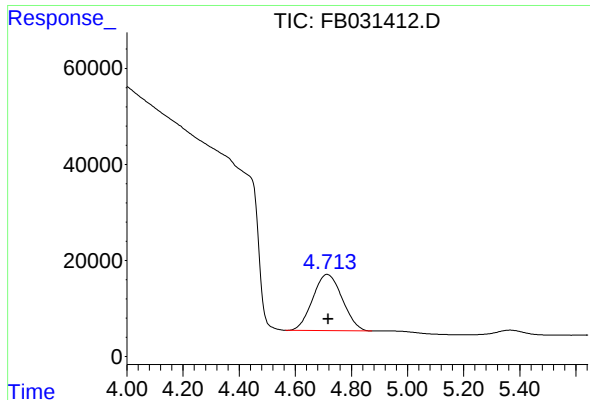
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB0313125\
Data File : FB031412.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 9:03
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

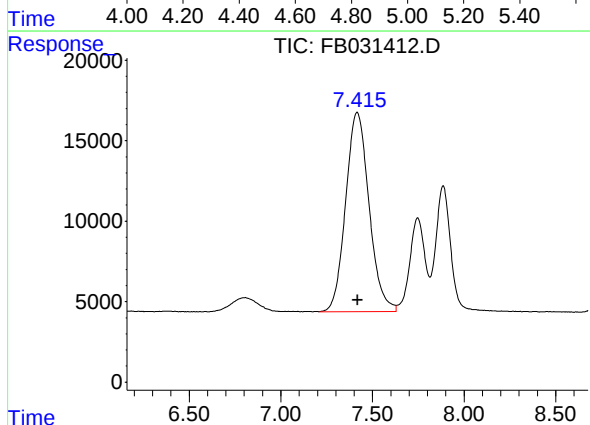




#1 2-Methylpentane

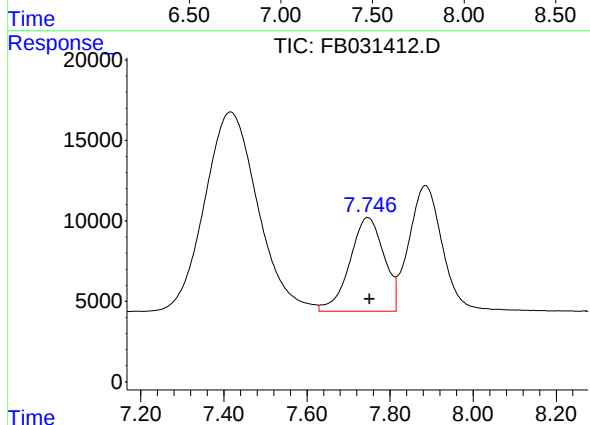
R.T.: 4.714 min
Delta R.T.: -0.004 min
Response: 858048
Conc: 25.89 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



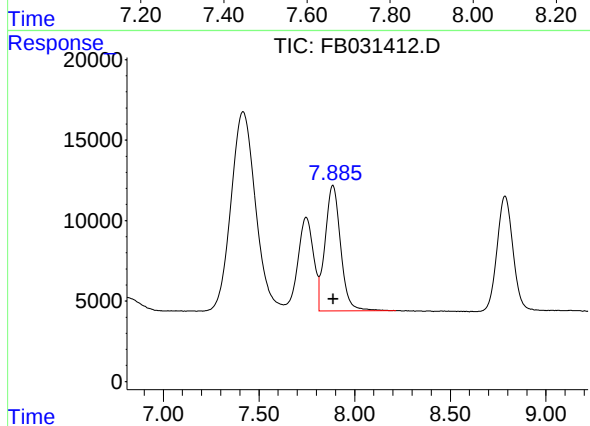
#2 2,2,4-Trimethylpentane

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



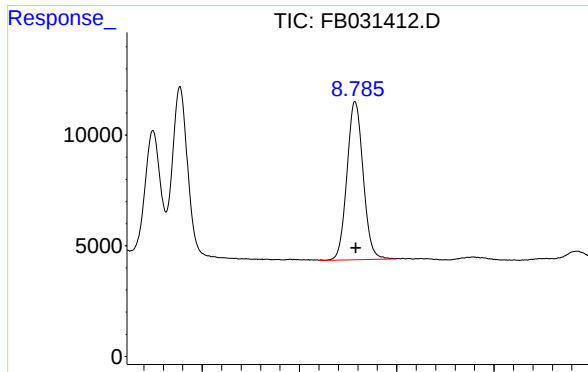
#3 n-Heptane

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

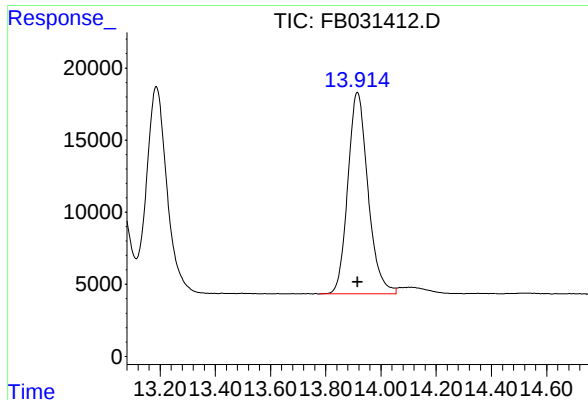
R.T.: 10.615 min
Delta R.T.: -0.002 min
Response: 1185304
Conc: 30.36 ng/ml

#7 Ethylbenzene

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

#8 m-Xylene

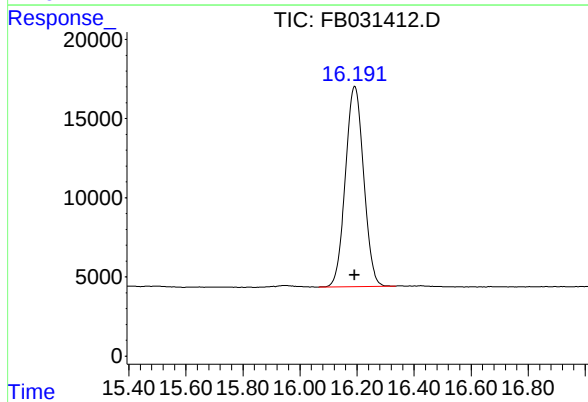
R.T.: 13.187 min
Delta R.T.: -0.001 min
Response: 740500
Conc: 19.81 ng/ml



#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

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.: Q1242 SAS No.: Q1242 SDG No.: Q1242
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

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

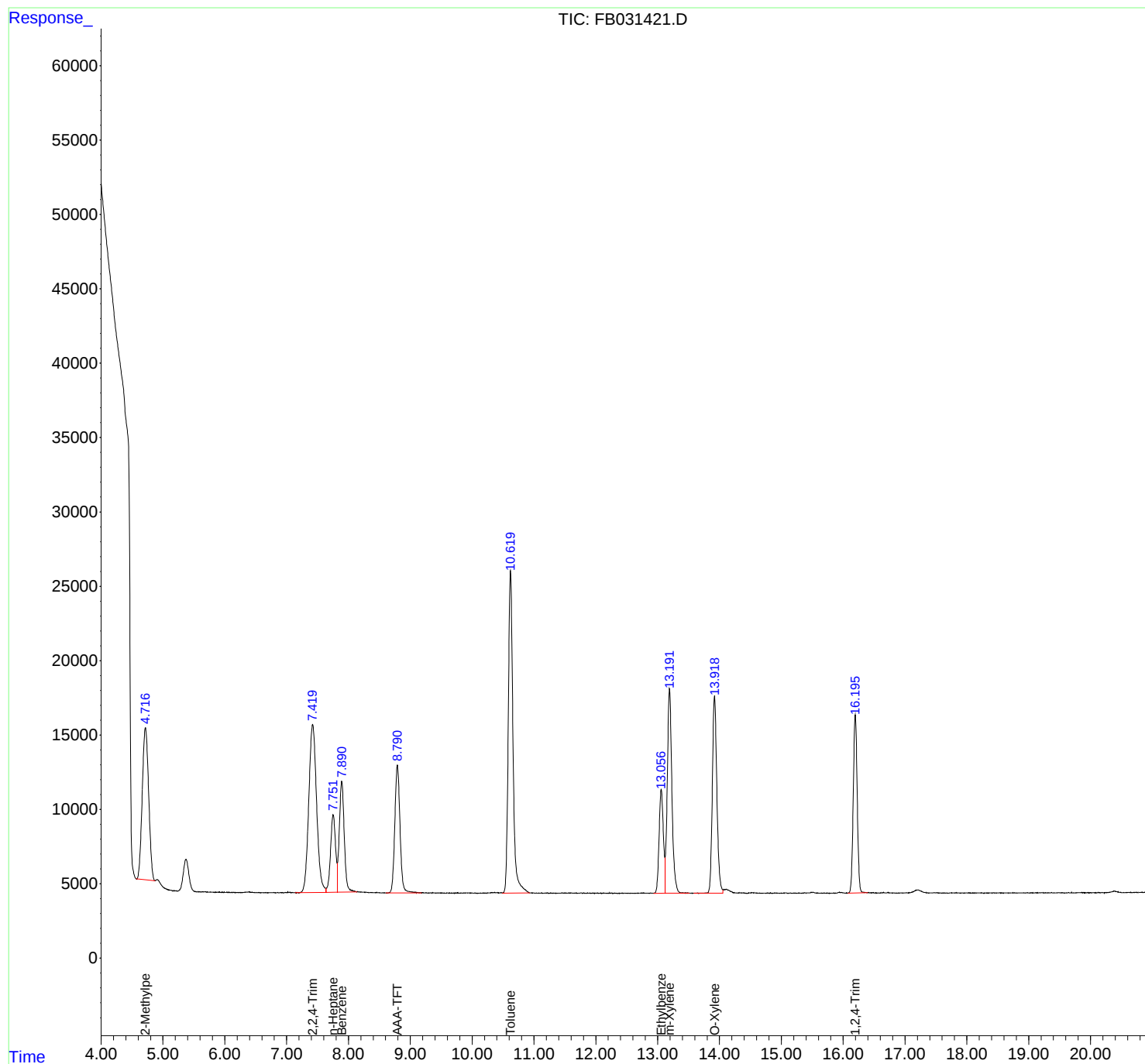
(m)=manual int.

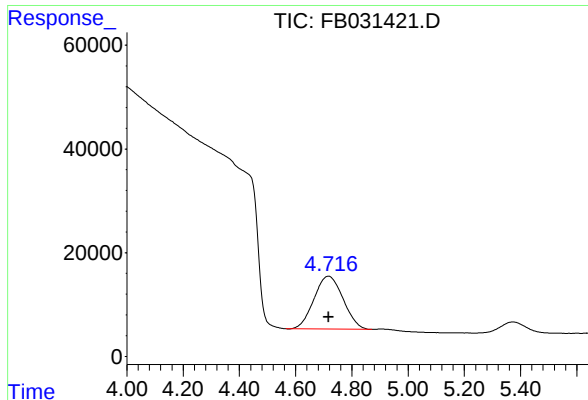
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB031325\
Data File : FB031421.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 13:38
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

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

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

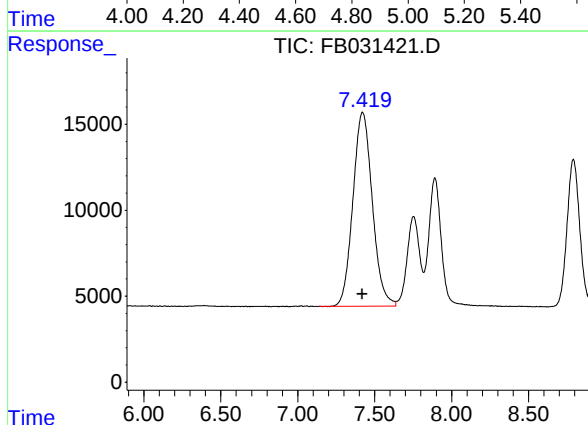




#1 2-Methylpentane

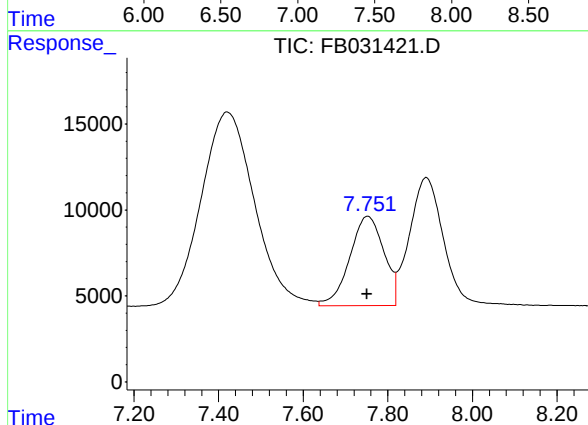
R.T.: 4.717 min
Delta R.T.: 0.000 min
Response: 735152
Conc: 22.18 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



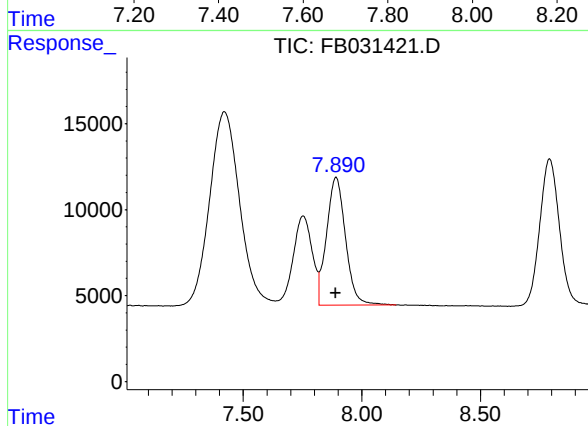
#2 2,2,4-Trimethylpentane

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



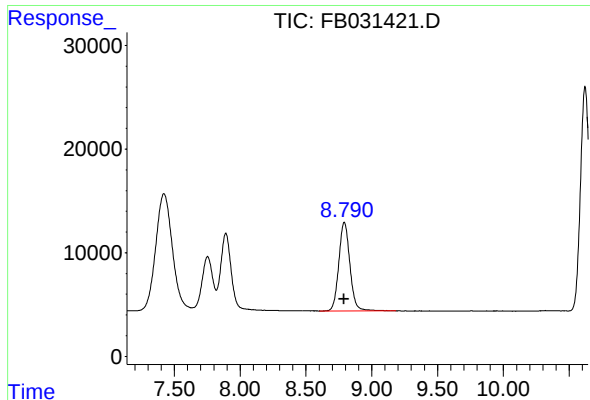
#3 n-Heptane

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



#4 Benzene

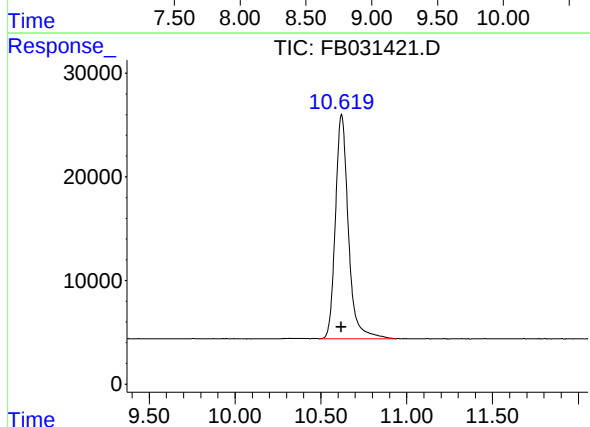
R.T.: 7.891 min
Delta R.T.: 0.002 min
Response: 415541
Conc: 9.76 ng/ml



#5 AAA-TFT

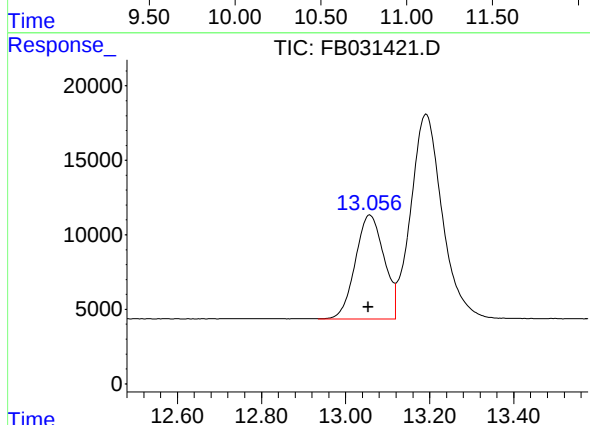
R.T.: 8.791 min
Delta R.T.: 0.002 min
Response: 502716
Conc: 21.08 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



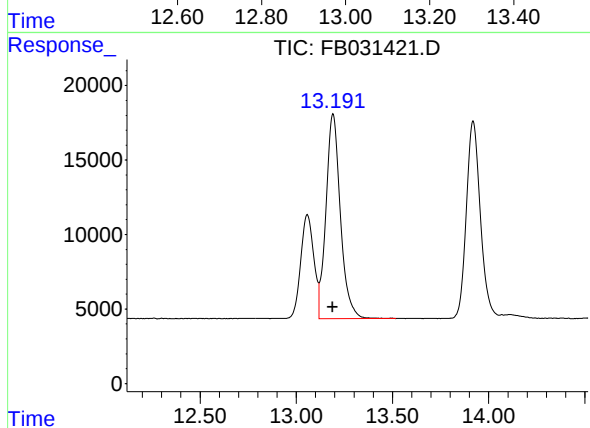
#6 Toluene

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



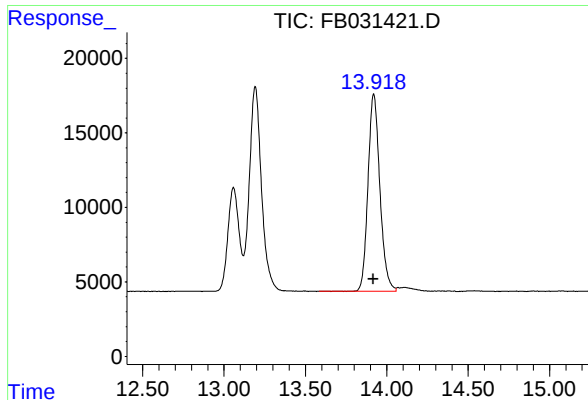
#7 Ethylbenzene

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



#8 m-Xylene

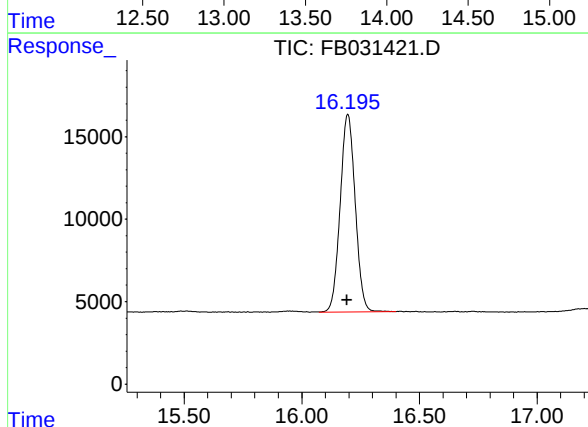
R.T.: 13.192 min
Delta R.T.: 0.004 min
Response: 717104
Conc: 19.18 ng/ml



#9 O-Xylene

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

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



#10 1,2,4-Trimethylbenzene

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

rteres

Area Percent Report

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

Integration File: Calibration.e

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

Signal : FID2B.CH

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

Sum of corrected areas: 6326687

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

Analytical Sequence

Client: RU2 Engineering, LLC

SDG No.: Q1242

Project: NYCDDC SANTWOBR Brooklyn Bridge BBMCR

Instrument ID: FID_B

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

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

MEAN SUROGATE RT FROM INITIAL CALIBRATION 8.7886					
EPA SAMPLE NO.	LAB SAMPLE ID	DATE AND TIME ANALYZED	DATAFILE	RT	#
20 PPB GRO STD	20 PPB GRO STD	31 Jan 2025 9:03	FB031412.D	8.786	
VBF0131S1	VBF0131S1	31 Jan 2025 9:41	FB031413.D	8.789	
BSF0131S1	BSF0131S1	31 Jan 2025 10:47	FB031415.D	8.791	
JPP-6.2-013025	Q1242-01	31 Jan 2025 11:25	FB031416.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	

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

QC Limits
(± 0.10 minutes)

Lower Limit
8.6886

Upper Limits
8.8886



QC SAMPLE DATA

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	VBF0131S1	SDG No.:	Q1242
Lab Sample ID:	VBF0131S1	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Decanted:	
GPC Factor :		Final Vol:	5
Prep Method :		Test:	Gasoline Range Organics
		Injection Volume :	

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

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

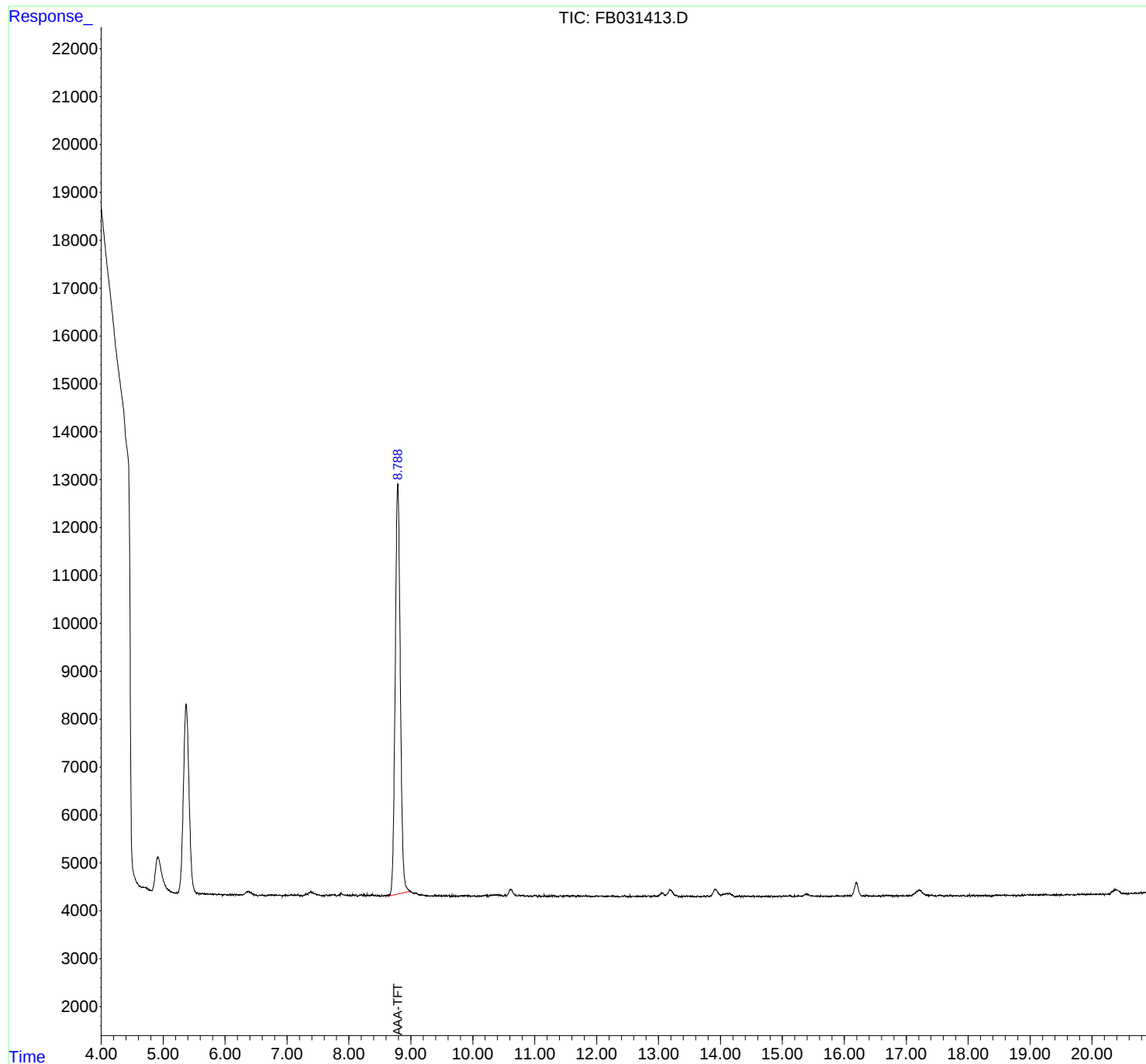
(m)=manual int.

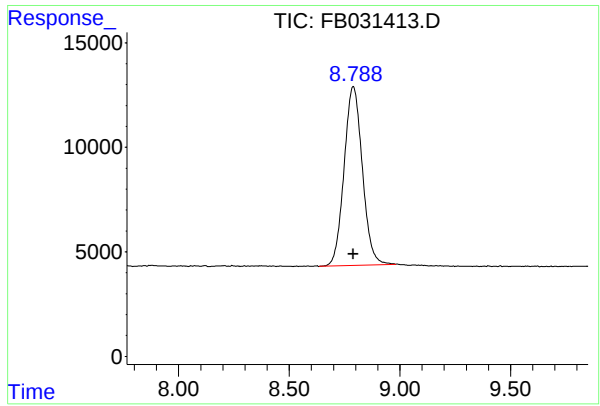
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013125\
Data File : FB031413.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 9:41
Operator : YP/AJ
Sample : VBF0131S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 2 Sample Multiplier: 1

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 min
Response: 491120
Conc: 20.59 ng/ml

Instrument :
FID_B
ClientSampleId :
VBF0131S1

- 1
- 2
- 3
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- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

rteres

Area Percent Report

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

Integration File: Calibration.e

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

Signal : FID2B.CH

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

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	BSF0131S1	SDG No.:	Q1242
Lab Sample ID:	BSF0131S1	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Decanted:	
GPC Factor :		Final Vol:	5
Prep Method :		Test:	Gasoline Range Organics
		Injection Volume :	

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

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

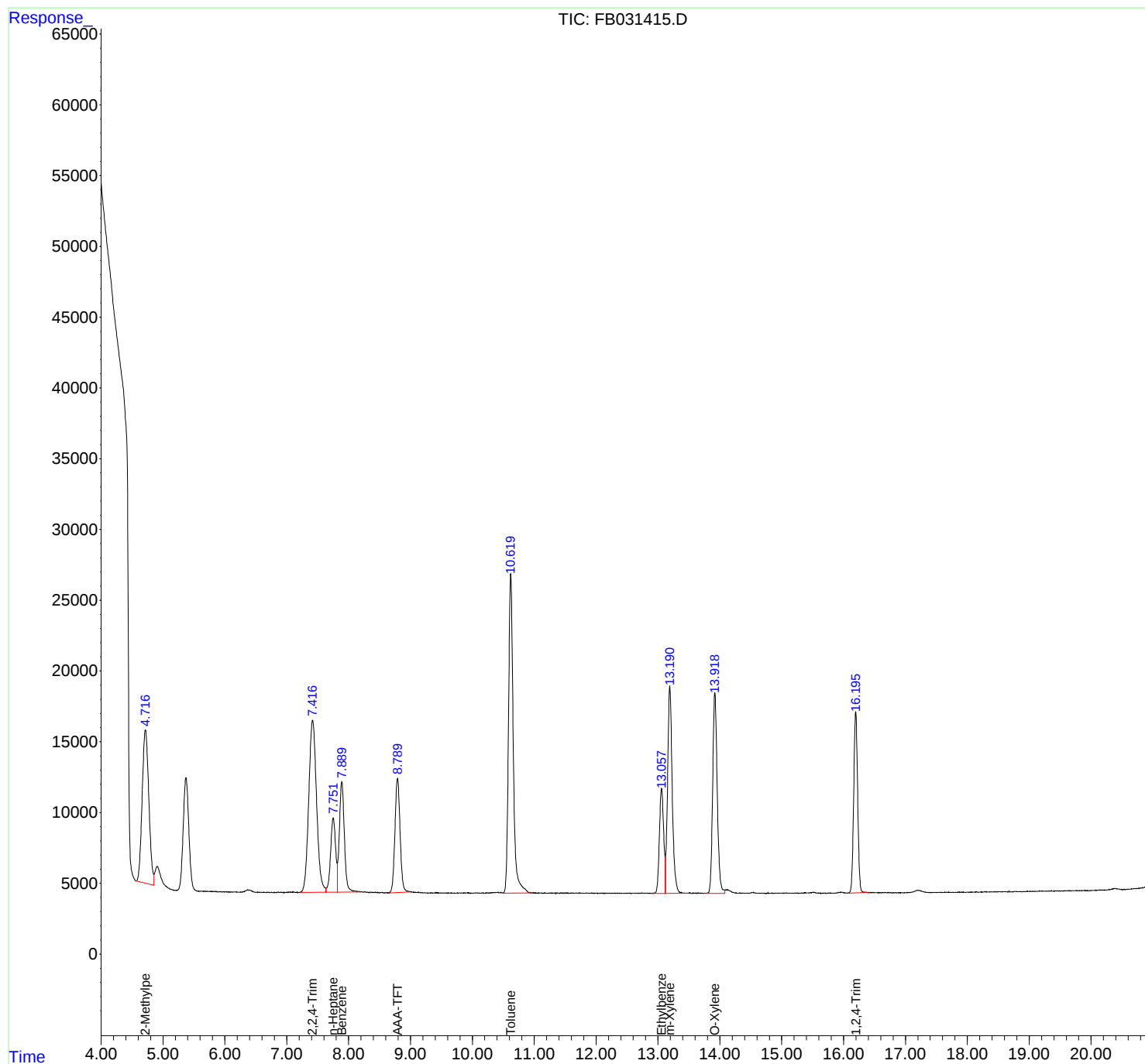
(m)=manual int.

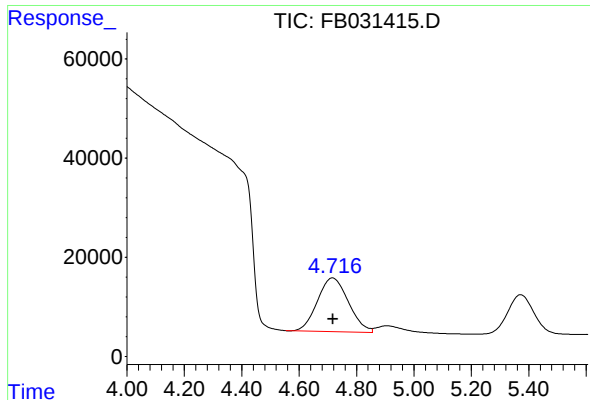
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013125\
Data File : FB031415.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 10:47
Operator : YP/AJ
Sample : BSF0131S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

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

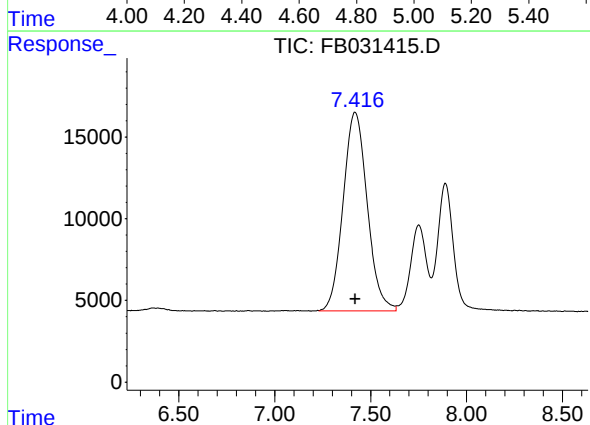




#1 2-Methylpentane

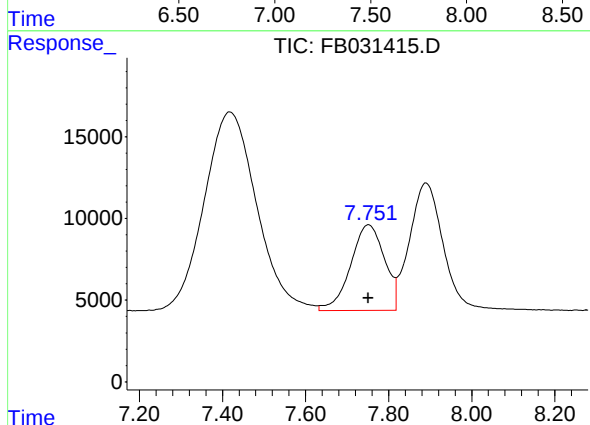
R.T.: 4.717 min
Delta R.T.: -0.001 min
Response: 811202
Conc: 24.47 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0131S1



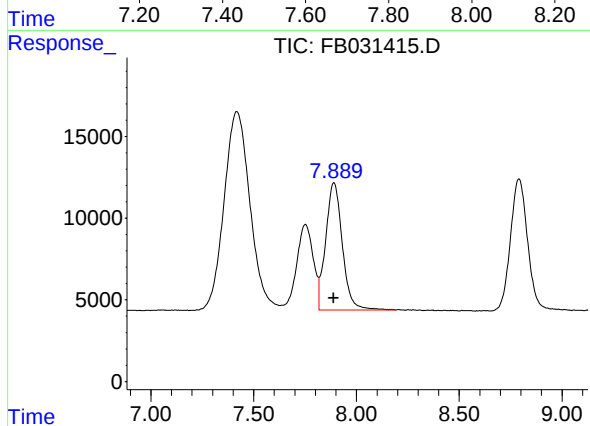
#2 2,2,4-Trimethylpentane

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



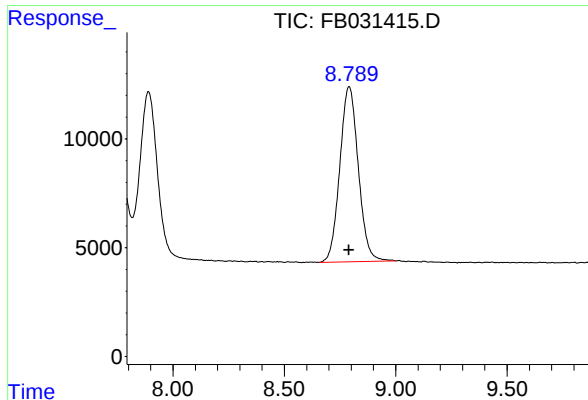
#3 n-Heptane

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



#4 Benzene

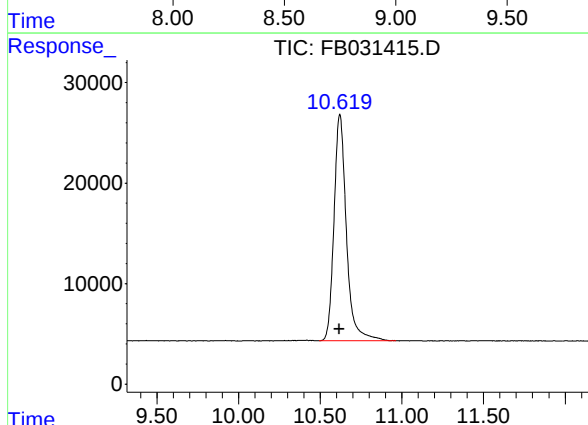
R.T.: 7.890 min
Delta R.T.: 0.000 min
Response: 440565
Conc: 10.34 ng/ml



#5 AAA-TFT

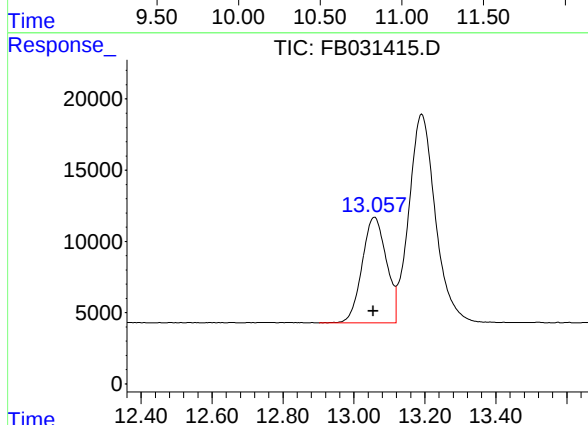
R.T.: 8.791 min
Delta R.T.: 0.001 min
Response: 465280
Conc: 19.51 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0131S1



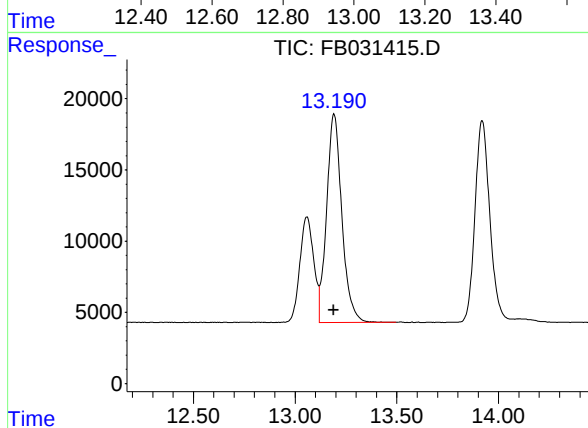
#6 Toluene

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



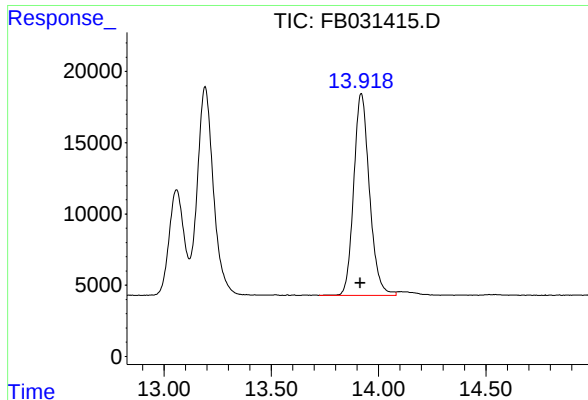
#7 Ethylbenzene

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



#8 m-Xylene

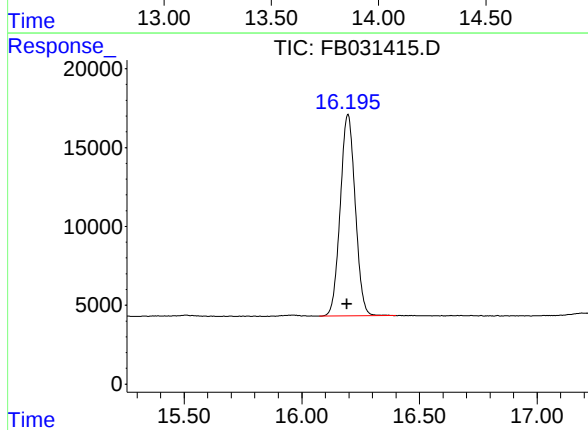
R.T.: 13.191 min
Delta R.T.: 0.003 min
Response: 763097
Conc: 20.42 ng/ml



#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

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	BSF0131S2	SDG No.:	Q1242
Lab Sample ID:	BSF0131S2	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Decanted:	
GPC Factor :		Final Vol:	5
Prep Method :		Test:	Gasoline Range Organics
		PH :	
		Injection Volume :	

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

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

Instrument :
 FID_B
 ClientSampleId :
 BSF0131S2

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

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

Compound	R.T.	Response	Conc Units

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

(f)=RT Delta > 1/2 Window

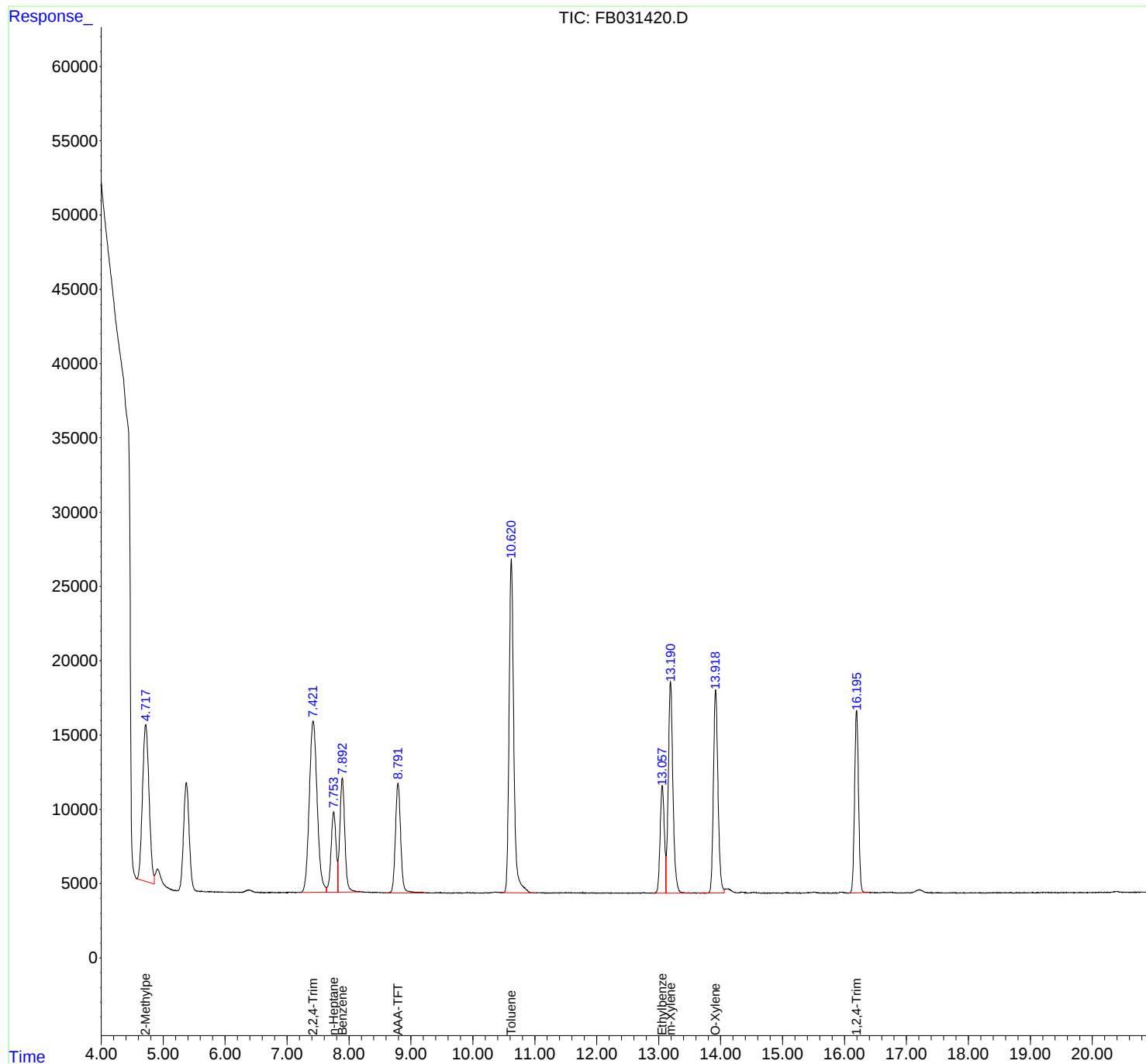
(m)=manual int.

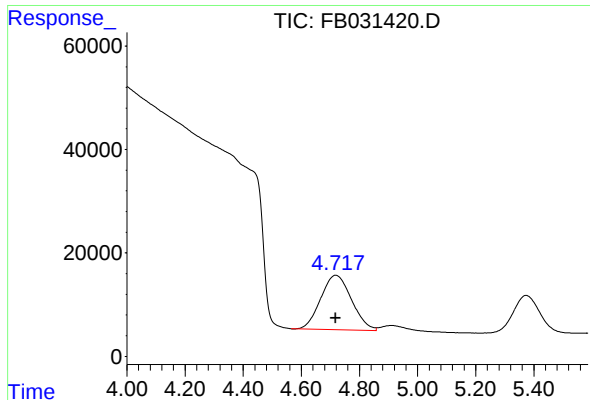
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB013125\
Data File : FB031420.D
Signal(s) : FID2B.CH
Acq On : 31 Jan 2025 13:12
Operator : YP/AJ
Sample : BSF0131S2
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0131S2

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

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

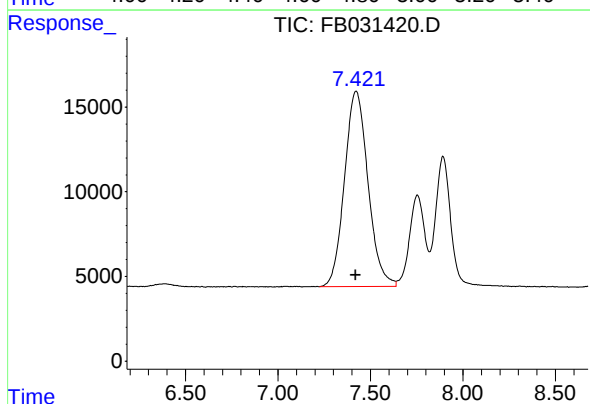




#1 2-Methylpentane

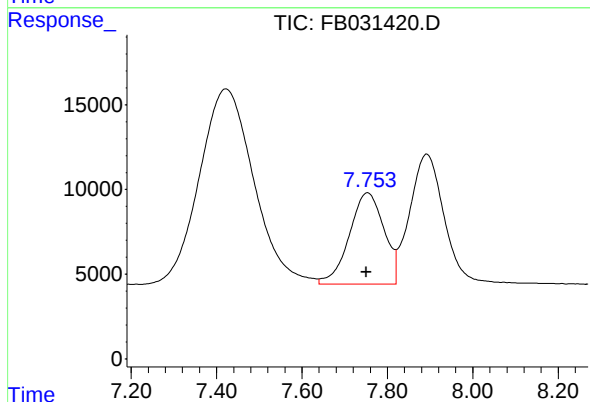
R.T.: 4.719 min
Delta R.T.: 0.000 min
Response: 779073
Conc: 23.50 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0131S2



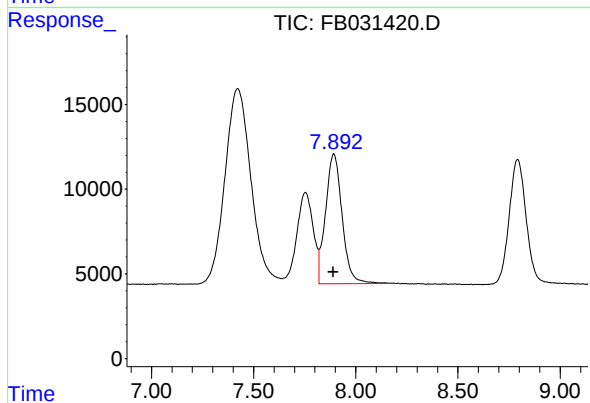
#2 2,2,4-Trimethylpentane

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



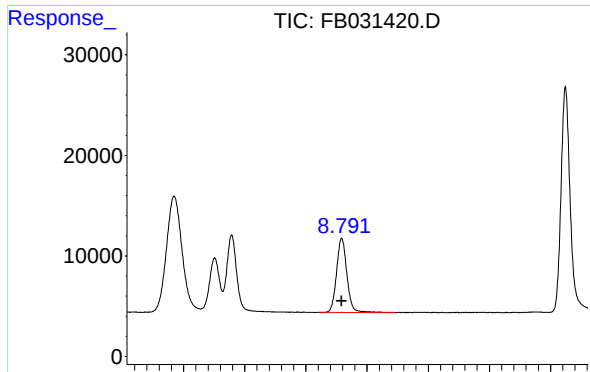
#3 n-Heptane

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



#4 Benzene

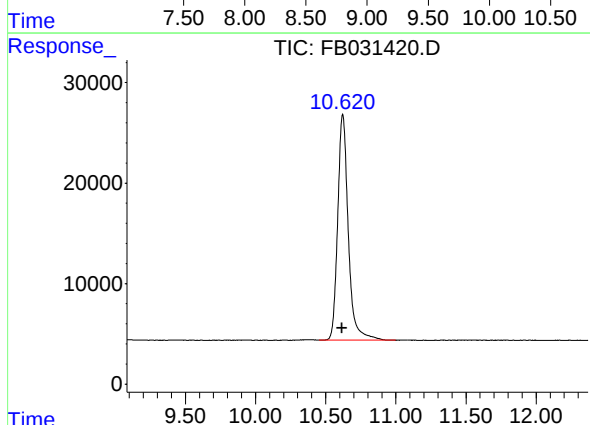
R.T.: 7.893 min
Delta R.T.: 0.003 min
Response: 430945
Conc: 10.12 ng/ml



#5 AAA-TFT

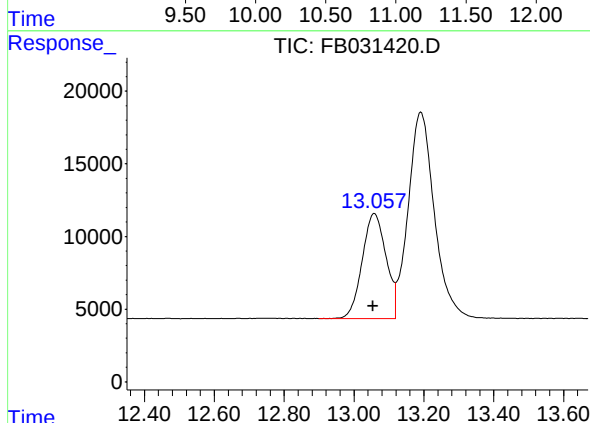
R.T.: 8.792 min
Delta R.T.: 0.003 min
Response: 435473
Conc: 18.26 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0131S2



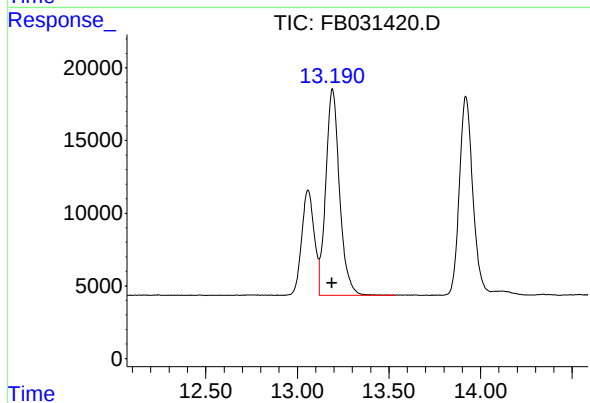
#6 Toluene

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



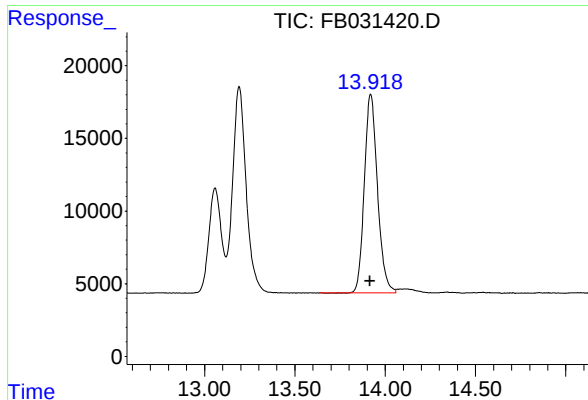
#7 Ethylbenzene

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



#8 m-Xylene

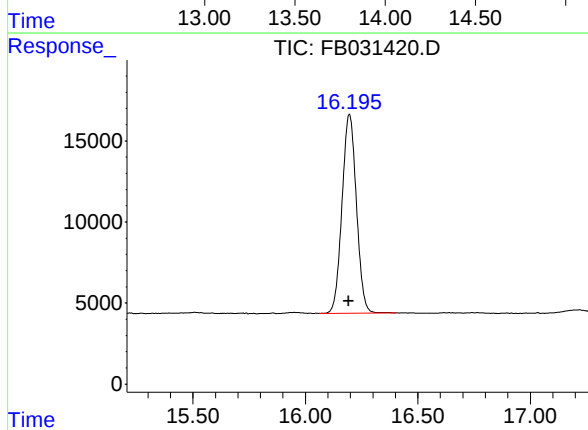
R.T.: 13.192 min
Delta R.T.: 0.004 min
Response: 741323
Conc: 19.83 ng/ml



#9 O-Xylene

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

Instrument :
FID_B
ClientSampleId :
BSF0131S2



#10 1,2,4-Trimethylbenzene

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

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

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

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QC Batch 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 Surrogate Standard MS/MSD Standard LCS Standard	PP24111,PP24118		

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

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QC Batch 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 Internal Standard/PEM	PP24167,PP24168,PP24169		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24111,PP24118		

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

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QC Batch 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 Internal Standard/PEM	PP24167,PP24168,PP24169		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24111,PP24118		

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

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QC Batch 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 Surrogate Standard MS/MSD Standard LCS Standard	PP24111,PP24118		

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

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QC Batch 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 Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24167,PP24168,PP24169 PP24111,PP24118

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

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QC Batch ID # FB013125

Review By	yogesh	Review On	1/31/2025 1:02:12 PM
Supervise By	Ankita	Supervise On	2/3/2025 1:09:11 PM
SubDirectory	FB013125	HP Acquire Method	HP Processing Method
			FB011525
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24110,PP24113,PP24114,PP24115,PP24116,PP24117		
CCC	PP24167,PP24168,PP24169		
Internal Standard/PEM			
ICV/I.BLK	PP24111,PP24118		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

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

M : Manual Integration

PERCENT SOLID

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

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

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

QC:LB134497

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

PERCENT SOLID

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

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

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

QC:LB134497

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

PERCENT SOLID

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

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

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

QC:LB134497

Lab ID	Client SampleID	Dish #	Dish Wt (g) (A)	Sample Wt (g)	Dish + Sample Wt (g) (B)	Dish+Dry Sample Wt (g) (C)	% Solid	Comments
Q1268-14	PCB-GPC2-BLANK-SPIKE	41	1.00	1.00	2.00	2.00	100.0	
Q1269-01	VNJ-231	58	1.17	8.81	9.98	9.00	88.9	
Q1269-02	VNJ-231-E2	59	1.12	8.86	9.98	9.1	90.1	
Q1270-01	BC247799-1-1	60	1.00	1.00	2.00	2.00	100.0	oilc
Q1270-02	BC247799-1-2	61	1.00	1.00	2.00	2.00	100.0	oilc
Q1270-03	BC274768-1-1	62	1.00	1.00	2.00	2.00	100.0	oilc
Q1270-04	BC274768-1-2	63	1.00	1.00	2.00	2.00	100.0	oilc
Q1270-05	BC274768-2-1	64	1.00	1.00	2.00	2.00	100.0	oilc
Q1270-06	BC274768-2-2	65	1.00	1.00	2.00	2.00	100.0	oilc
Q1271-01	RBR200030	66	1.12	8.74	9.86	8.87	88.7	
Q1271-02	RBR200030-E2	67	1.17	8.53	9.7	9.02	92.0	
Q1271-03	3189-3196	68	1.00	1.00	2.00	2.00	100.0	oil sample

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

WORKLIST(Hardcopy Internal Chain)

2134497

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

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1236-01	WASTE	Solid	Percent Solids	Cool 4 deg C	SCIA01	E11	01/30/2025	Chemtech -SO
Q1236-02	VOC	Solid	Percent Solids	Cool 4 deg C	SCIA01	E11	01/30/2025	Chemtech -SO
Q1236-03	1	Solid	Percent Solids	Cool 4 deg C	SCIA01	E11	01/30/2025	Chemtech -SO
Q1236-04	2	Solid	Percent Solids	Cool 4 deg C	SCIA01	E11	01/30/2025	Chemtech -SO
Q1236-05	3	Solid	Percent Solids	Cool 4 deg C	SCIA01	E11	01/30/2025	Chemtech -SO
Q1236-06	4	Solid	Percent Solids	Cool 4 deg C	SCIA01	E11	01/30/2025	Chemtech -SO
Q1236-07	5	Solid	Percent Solids	Cool 4 deg C	SCIA01	E11	01/30/2025	Chemtech -SO
Q1241-01	JPP-3.5-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1241-03	JPP-3.5-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1241-05	JPP-5.3-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1241-07	JPP-5.3-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1241-09	JPP-5.2-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1241-11	JPP-5.2-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1241-13	JPP-5.4-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1241-15	JPP-5.4-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1241-17	JPP-5.1.4-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1241-19	JPP-5.1.4-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1242-01	JPP-6.2-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1242-03	JPP-6.2-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1243-01	CL-01-01302025	Solid	Percent Solids	Cool 4 deg C	PSEG05	N41	01/30/2025	Chemtech -SO
Q1243-02	CL-01-01302025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	N41	01/30/2025	Chemtech -SO

Date/Time 01/31/25 16:10
 Raw Sample Received by: JO GDC
 Raw Sample Relinquished by: RS C EAT-1061
 Date/Time 01/31/25 17:50
 Raw Sample Received by: RS C EAT-1061
 Raw Sample Relinquished by: JO GDC

WORKLIST(Hardcopy Internal Chain)

13497

WorkList Name : %1-013125

WorkList ID : 187328

Department : Wet-Chemistry

Date : 01-31-2025 07:56:55

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

Date/Time 01/31/25 16:10

Raw Sample Received by: SQ wdcj

Raw Sample Relinquished by: RJ c.EXT-1061

Date/Time 01/31/25

Raw Sample Received by: RJ c.EXT-1061

Raw Sample Relinquished by: RJ c.EXT-1061

WORKLIST(Hardcopy Internal Chain)

B134497

WorkList Name : %1-013125

WorkList ID : 187328

Department : Wet-Chemistry

Date : 01-31-2025 07:56:55

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1264-02	AUD-25-0008	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	01/31/2025	Chemtech -SO
Q1265-01	AUD-25-0006	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1267-01	TRE-25-0003	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1267-02	TRE-25-0009	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1267-03	TRE-25-0011	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1268-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	01/31/2025	Chemtech -SO
Q1268-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	01/31/2025	Chemtech -SO
Q1268-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	01/31/2025	Chemtech -SO
Q1268-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	01/31/2025	Chemtech -SO
Q1268-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	01/31/2025	Chemtech -SO
Q1268-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	01/31/2025	Chemtech -SO
Q1268-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	01/31/2025	Chemtech -SO
Q1268-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	01/31/2025	Chemtech -SO
Q1268-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	01/31/2025	Chemtech -SO
Q1268-14	PCB-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	01/31/2025	Chemtech -SO
Q1269-01	VNJ-231	Solid	Percent Solids	Cool 4 deg C	PSEG03	D11	01/31/2025	Chemtech -SO
Q1269-02	VNJ-231-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D11	01/31/2025	Chemtech -SO
Q1270-01	BC247799-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	01/31/2025	Chemtech -SO
Q1270-02	BC247799-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	01/31/2025	Chemtech -SO
Q1270-03	BC24768-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	01/31/2025	Chemtech -SO
Q1270-04	BC24768-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	01/31/2025	Chemtech -SO

Date/Time

01/31/25 16:10

Raw Sample Received by:

SA WOC

Raw Sample Relinquished by:

RS (EST-Web)

Date/Time

01/31/25

Raw Sample Received by:

RS (EST-Web)

Raw Sample Relinquished by:

SA WOC

WORKLIST(Hardcopy Internal Chain)

1234567

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

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

Date/Time 01/31/25 16:10
 Raw Sample Received by: J8 WPC
 Raw Sample Relinquished by: RJ C-54-1ab

Date/Time 01/31/25 17:50
 Raw Sample Received by: RJ C-54-1ab
 Raw Sample Relinquished by: J8 WPC

Prep Standard - Chemical Standard Summary

Order ID : Q1242
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,

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Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

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-trifluorotoluene 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

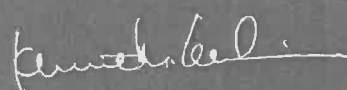
Material No.: 9077-02
Batch No.: 23I0762004
Manufactured Date: 2023-08-11
Expiration Date: 2026-08-10
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.5 ppm
Titration Acid (μeq/g)	≤ 0.3	0.2
Titration 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



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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis



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

DP

P9817

To

10

P9826

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

Description : Gasoline Range Organics Mix (EPA)

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

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

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

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	2-Methylpentane CAS # 107-83-5 (Lot MKCB1674V) Purity 98%	1,505.3 µg/mL	+/- 8.9409 µg/mL Gravimetric +/- 84.4194 µg/mL Unstressed +/- 86.3938 µg/mL Stressed
2	2,2,4-Trimethylpentane (isooctane) CAS # 540-84-1 (Lot SHBD2922V) Purity 99%	1,504.0 µg/mL	+/- 8.9333 µg/mL Gravimetric +/- 84.3476 µg/mL Unstressed +/- 86.3203 µg/mL Stressed
3	n-Heptane (C7) CAS # 142-82-5 (Lot SHBK8626) Purity 98%	500.8 µg/mL	+/- 2.9745 µg/mL Gravimetric +/- 28.0848 µg/mL Unstressed +/- 28.7417 µg/mL Stressed
4	Benzene CAS # 71-43-2 (Lot SHBK5679) Purity 99%	501.0 µg/mL	+/- 2.9758 µg/mL Gravimetric +/- 28.0972 µg/mL Unstressed +/- 28.7543 µg/mL Stressed
5	Toluene CAS # 108-88-3 (Lot MKCH9232) Purity 99%	1,505.0 µg/mL	+/- 8.9392 µg/mL Gravimetric +/- 84.4037 µg/mL Unstressed +/- 86.3777 µg/mL Stressed
6	Ethylbenzene CAS # 100-41-4 (Lot SHBJ4278) Purity 99%	502.0 µg/mL	+/- 2.9817 µg/mL Gravimetric +/- 28.1533 µg/mL Unstressed +/- 28.8117 µg/mL Stressed
7	m-Xylene CAS # 108-38-3 (Lot SHBJ8743) Purity 99%	1,004.0 µg/mL	+/- 5.9635 µg/mL Gravimetric +/- 56.3065 µg/mL Unstressed +/- 57.6234 µg/mL 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-S02.2 (cat.#10910)

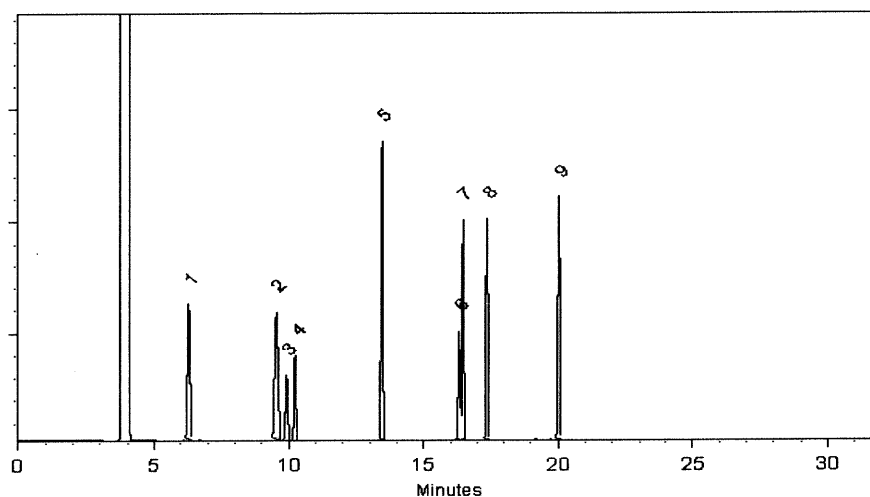
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

Feng-Yun Lo
Feng-Yun Lo - QC Analyst

Date Passed: 23-Dec-2019

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



SHIPPING DOCUMENTS

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CHEMTECH

CHAIN OF CUSTODY RECORD

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

CHEMTECH PROJECT NO. Q1242
QUOTE NO.
COC Number 2041688

CLIENT INFORMATION

REPORT TO BE SENT TO:

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

CLIENT PROJECT INFORMATION

PROJECT NAME: SANDTWO BMLR 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:

ANALYSIS

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

7 TOLUENE, XYL, TOLUENE, MTBE, THA
2 TCLP VOCs
3 TPH
4 GRO-PRO
5 TCL SVOCs + TLCS
6 TAL Metals
7 Pesticides, PCBs
8 PCRA Characterization
9 Point Filter
Full TCLP

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	← Specify Preservatives A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICP F-OTHER	
1.	JPP-6.2-013025	Soil		G	1/30/25	12:44	3	X	X	X								
2.	JPP-6.2-013025	Soil	L		1/30/25	12:52	8			X	X	X	X	X	X	X		
3.																		
4.																		
5.																		
6.																		
7.																		
8.																		
9.																		
10.																		

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

RELINQUISHED BY SAMPLER: 1. RA	DATE/TIME: 1-30-25	RECEIVED BY: [Signature]	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 4.1 °C
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY:	Comments: Preserve extra Sample Jar if additional analysis is Required
RELINQUISHED BY SAMPLER: 3.	DATE/TIME:	RECEIVED BY:	Page 2 of 2

CLIENT: ☐ Hand Delivered ☐ Other
CHEMTECH: ☐ Picked Up ☐ Field Sampling
Shipment Complete
☐ YES ☐ NO

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1242 RUTW01

Order Date : 1/30/2025 3:02:00 PM

Project Mgr :

Client Name : RU2 Engineering, LLC

Project Name : NYCDDC SANTWOBR B1

Report Type : NYS ASP B

Client Contact : Rutu Manani

Receive DateTime : 1/30/2025 2:53:00 PM

EDD Type : Excel NY

Invoice Name : RU2 Engineering, LLC

Purchase Order :

Hard Copy Date :

Invoice Contact : Rutu Manani

Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1242-01	JPP-6.2-013025	Solid	01/30/2025	12:44	VOCMS Group1		8260D		10 Bus. Days

Relinquished By : 

Date / Time : 1-30-25 15:50

Received By : 

Date / Time : 1/30/25 1830

Storage Area : VOA Refridgerator Room

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1242	RUTW01	Order Date : 1/30/2025 3:02:00 PM	Project Mgr :
Client Name : RU2 Engineering, LLC		Project Name : NYCDDC SANTWOBR B	Report Type : NYS ASP B
Client Contact : Rutu Manani		Receive DateTime : 1/30/2025 2:53:00 PM	EDD Type : Excel NY
Invoice Name : RU2 Engineering, LLC		Purchase Order :	Hard Copy Date :
Invoice Contact : Rutu Manani			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1242-01	JPP-6.2-013025	Solid	01/30/2025	12:44	Gasoline Range Organics		8015D		10 Bus. Days

Relinquished By : CP
Date / Time : 1-30-25 / 550

Received By : JC
Date / Time : 1/30/25 / 550

Storage Area : VOA Refridgerator Room