

GASOLINE RANGE ORGANICS INITIAL CALIBRATION SUMMARY

Lab Name: Chemtech Contract: WEST04
 ProjectID: Ft Meade Tipton Airfield Parcel RI - PO 0111169
 Lab Code: CHEM Case No.: Q1539 SAS No.: Q1539 SDG No.: Q1539

Calibration Sequence : FB030625		Test : Gasoline Range Organics	
Concentration (PPB)	Area Count	Reference Factor	File ID
90	2790097	31001	FB031557.D
180	6158229	34212	FB031558.D
450	15455660	34346	FB031559.D
900	28540252	31711	FB031560.D
45	1778844	39530	FB031561.D
AVG RF : 34160		% RSD : 9.803	AVG RT : 8.7964

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB030625\
 Data File : FB031557.D
 Signal(s) : FID2B.CH
 Acq On : 6 Mar 2025 10:20
 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: Mar 06 12:28:10 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
 Quant Title :
 QLast Update : Thu Mar 06 12:27:13 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
5) s AAA-TFT	8.796	231005	9.583 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.724	362488	14.086 ng/ml
2) t 2,2,4-Trimethylpentane	7.425	471954	13.446 ng/ml
3) t n-Heptane	7.757	137044	4.462 ng/ml
4) t Benzene	7.896	192294	4.460 ng/ml
6) t Toluene	10.624	525311	13.296 ng/ml
7) t Ethylbenzene	13.061	156539	4.483 ng/ml
8) t m-Xylene	13.194	340780	8.922 ng/ml
9) t O-Xylene	13.922	343956	9.366 ng/ml
10) t 1,2,4-Trimethylbenzene	16.199	259731	9.244 ng/ml

(f)=RT Delta > 1/2 Window

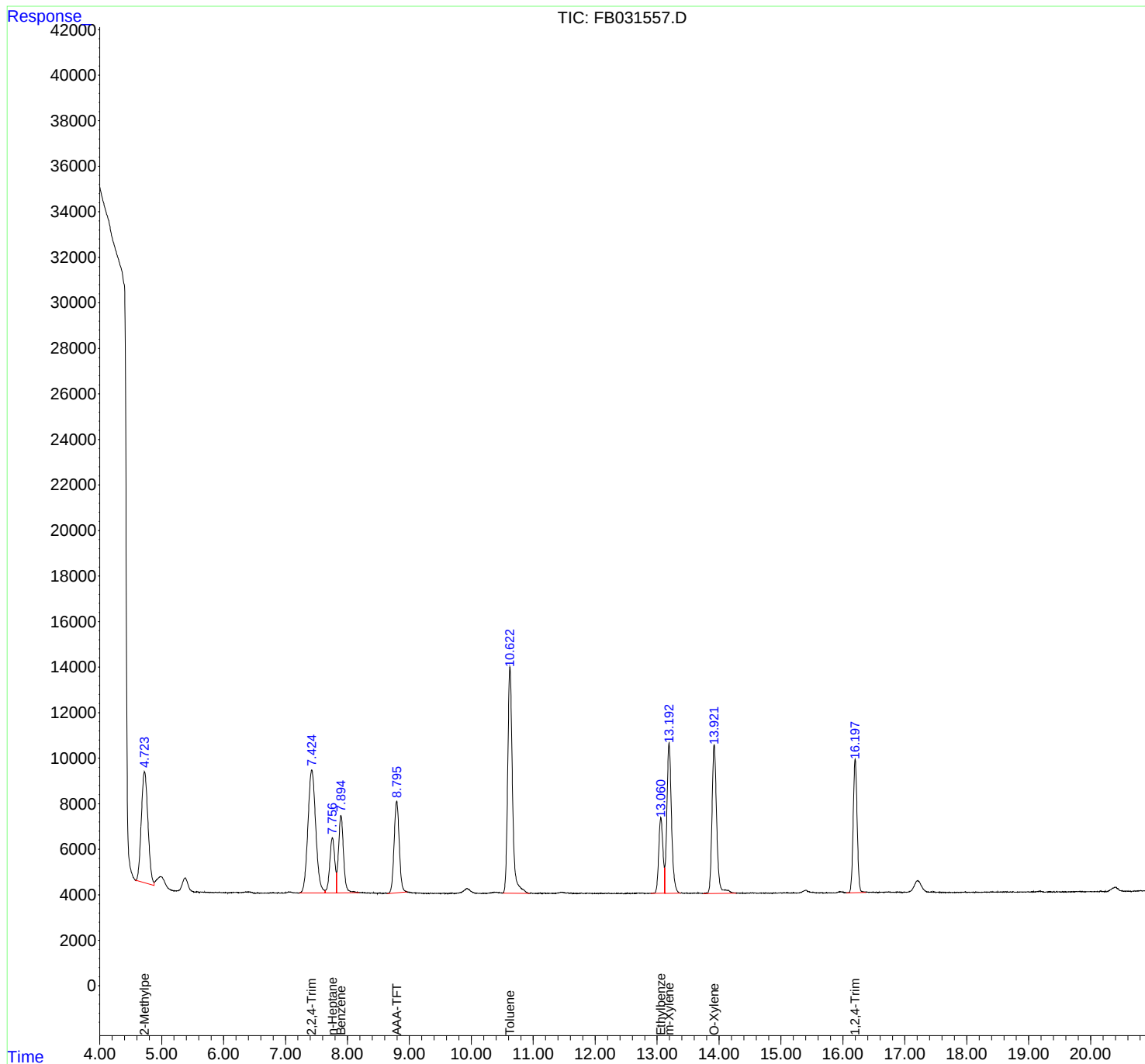
(m)=manual int.

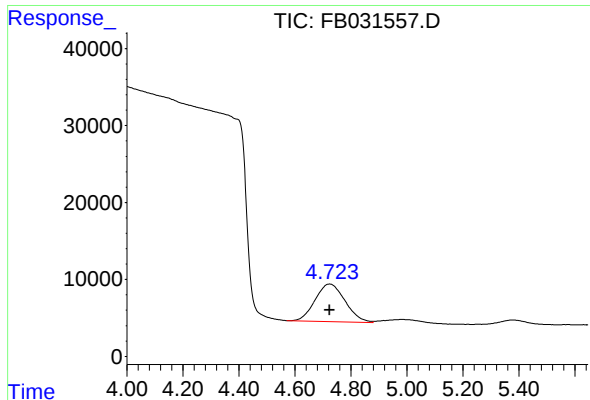
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB030625\
Data File : FB031557.D
Signal(s) : FID2B.CH
Acq On : 6 Mar 2025 10:20
Operator : YP/AJ
Sample : 10 GRO STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
10 GRO STD

Integration File: Calibration.e
Quant Time: Mar 06 12:28:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
Quant Title :
QLast Update : Thu Mar 06 12:27:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

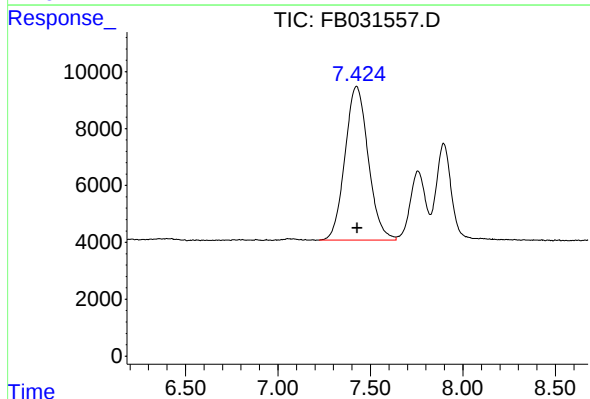




#1 2-Methylpentane

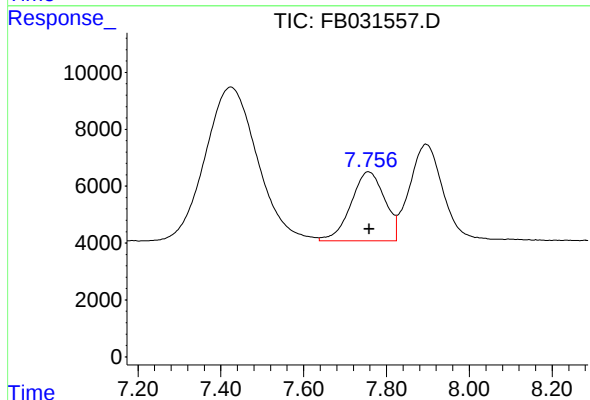
R.T.: 4.724 min
 Delta R.T.: 0.000 min
 Response: 362488
 Conc: 14.09 ng/ml

Instrument :
 FID_B
 ClientSampleId :
 10 GRO STD



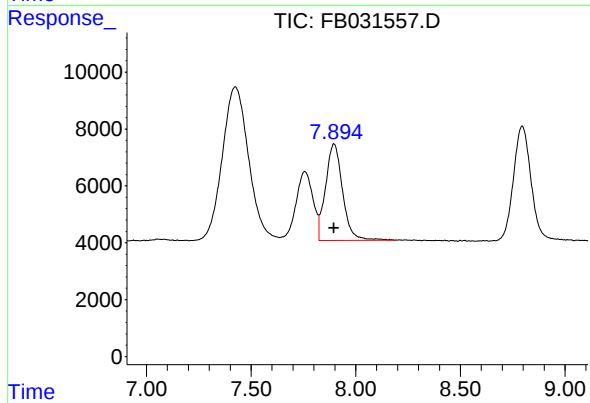
#2 2,2,4-Trimethylpentane

R.T.: 7.425 min
 Delta R.T.: -0.003 min
 Response: 471954
 Conc: 13.45 ng/ml



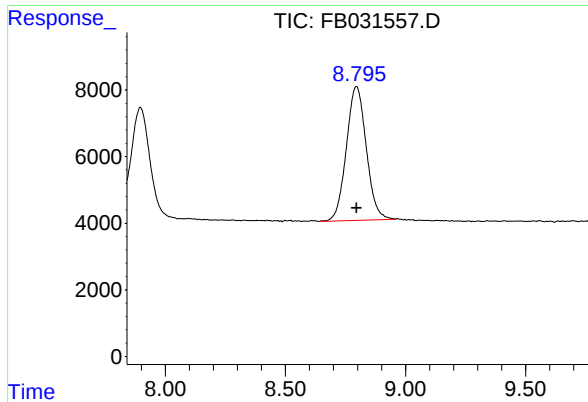
#3 n-Heptane

R.T.: 7.757 min
 Delta R.T.: -0.001 min
 Response: 137044
 Conc: 4.46 ng/ml



#4 Benzene

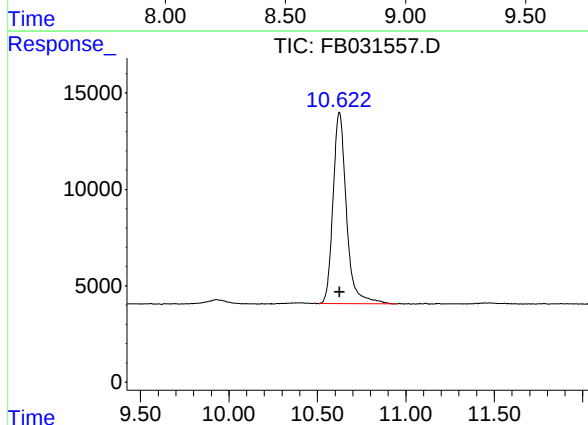
R.T.: 7.896 min
 Delta R.T.: -0.001 min
 Response: 192294
 Conc: 4.46 ng/ml



#5 AAA-TFT

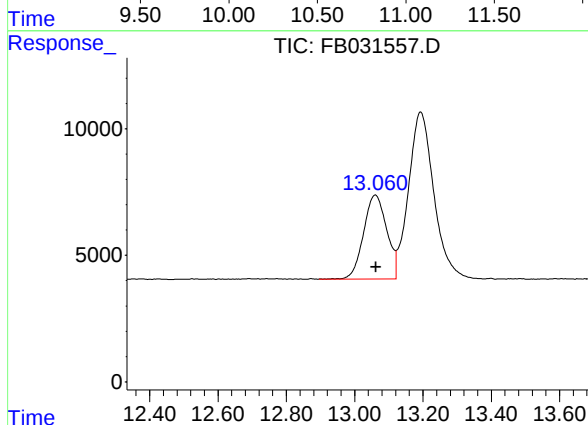
R.T.: 8.796 min
Delta R.T.: 0.000 min
Response: 231005
Conc: 9.58 ng/ml

Instrument :
FID_B
ClientSampleId :
10 GRO STD



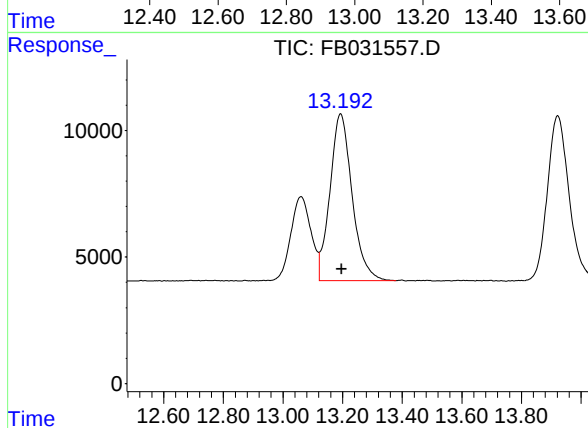
#6 Toluene

R.T.: 10.624 min
Delta R.T.: -0.001 min
Response: 525311
Conc: 13.30 ng/ml



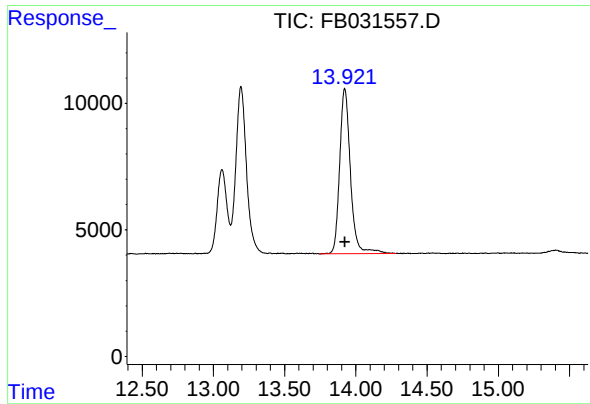
#7 Ethylbenzene

R.T.: 13.061 min
Delta R.T.: -0.001 min
Response: 156539
Conc: 4.48 ng/ml



#8 m-Xylene

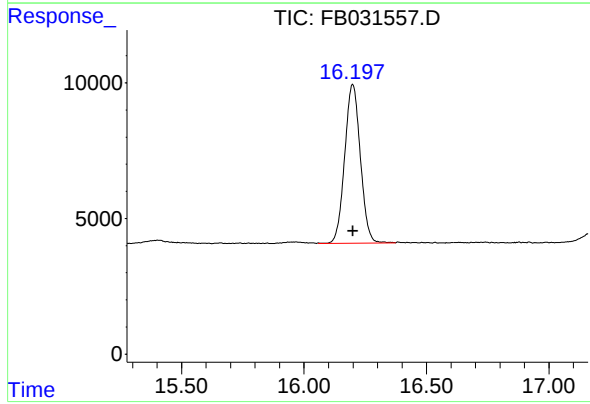
R.T.: 13.194 min
Delta R.T.: -0.002 min
Response: 340780
Conc: 8.92 ng/ml



#9 O-Xylene

R.T.: 13.922 min
Delta R.T.: -0.002 min
Response: 343956
Conc: 9.37 ng/ml

Instrument :
FID_B
ClientSampleId :
10 GRO STD



#10 1,2,4-Trimethylbenzene

R.T.: 16.199 min
Delta R.T.: -0.002 min
Response: 259731
Conc: 9.24 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB030625\
Data File : FB031557.D
Signal(s) : FID2B.CH
Acq On : 6 Mar 2025 10:20
Sample : 10 GRO STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.724	4.571	4.879	BV	4881	362488	69.00%	11.999%
2	7.425	7.222	7.638	PV	5411	471954	89.84%	15.622%
3	7.757	7.638	7.824	VV	2424	137044	26.09%	4.536%
4	7.896	7.824	8.192	VV	3393	192294	36.61%	6.365%
5	8.796	8.640	8.960	PV	4018	231005	43.97%	7.646%
6	10.624	10.510	10.944	PV	9940	525311	100.00%	17.388%
7	13.061	12.896	13.121	BV	3325	156539	29.80%	5.182%
8	13.194	13.121	13.380	VV	6601	340780	64.87%	11.280%
9	13.922	13.742	14.282	BB	6531	343956	65.48%	11.385%
10	16.199	16.060	16.375	BV	5850	259731	49.44%	8.597%

Sum of corrected areas: 3021101

FB030625.M Fri Mar 07 07:06:30 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB030625\
 Data File : FB031558.D
 Signal(s) : FID2B.CH
 Acq On : 6 Mar 2025 10:48
 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: Mar 06 12:28:21 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
 Quant Title :
 QLast Update : Thu Mar 06 12:27:13 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
5) s AAA-TFT	8.796	482106	20.000 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.724	771999	30.000 ng/ml
2) t 2,2,4-Trimethylpentane	7.428	1053033	30.000 ng/ml
3) t n-Heptane	7.758	307158	10.000 ng/ml
4) t Benzene	7.897	431196	10.000 ng/ml
6) t Toluene	10.625	1185227	30.000 ng/ml
7) t Ethylbenzene	13.062	349215	10.000 ng/ml
8) t m-Xylene	13.196	763933	20.000 ng/ml
9) t O-Xylene	13.925	734501	20.000 ng/ml
10) t 1,2,4-Trimethylbenzene	16.201	561967	20.000 ng/ml

(f)=RT Delta > 1/2 Window

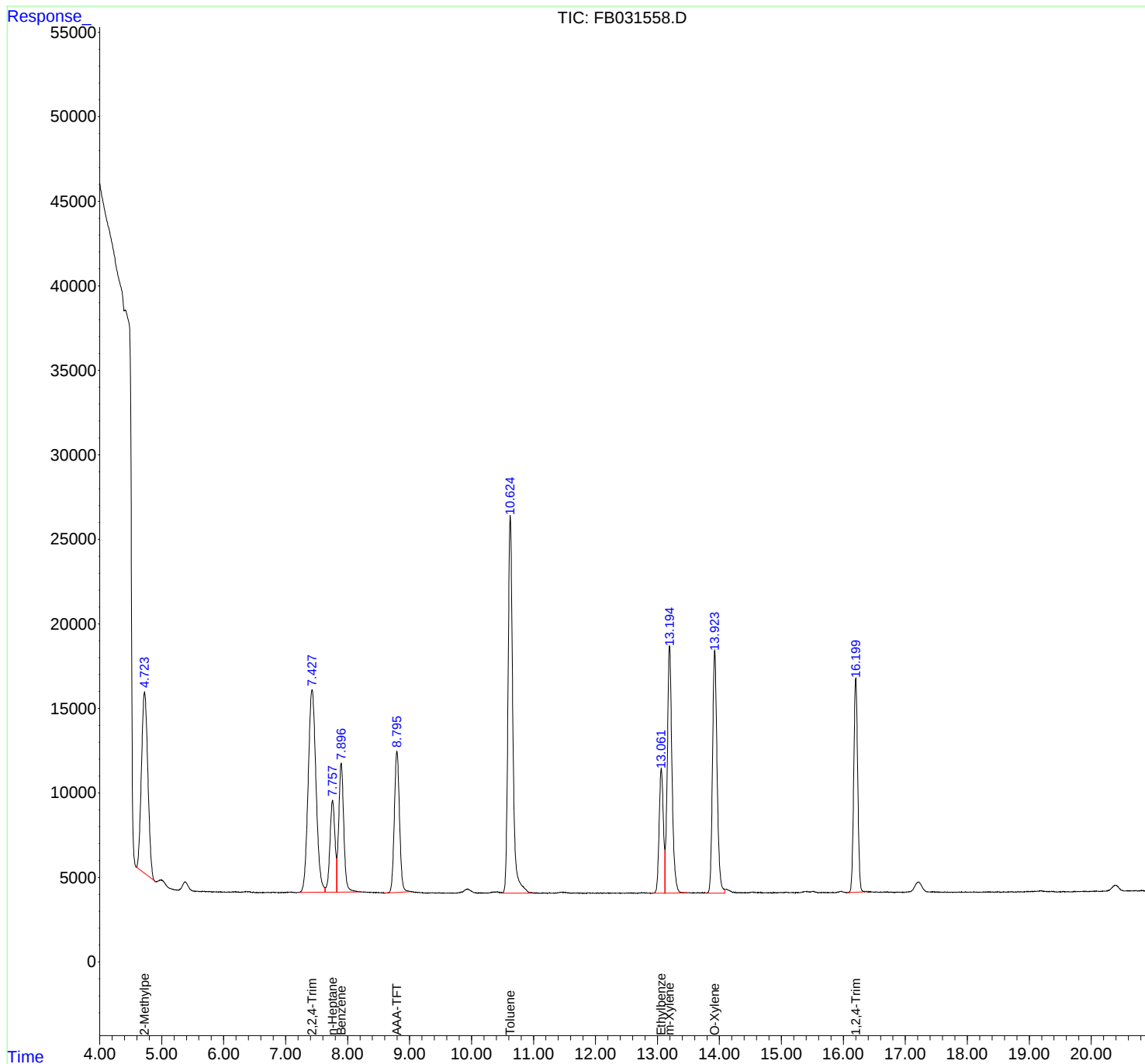
(m)=manual int.

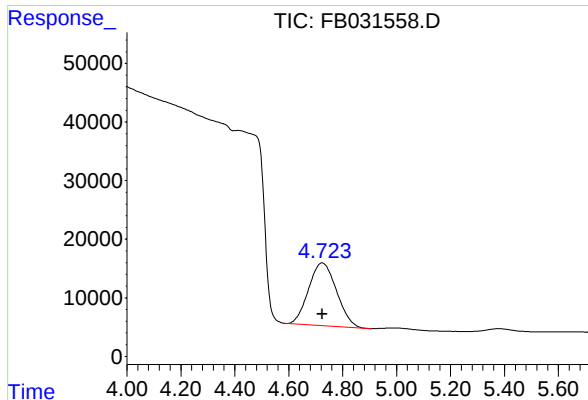
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB030625\
Data File : FB031558.D
Signal(s) : FID2B.CH
Acq On : 6 Mar 2025 10:48
Operator : YP/AJ
Sample : 20 GRO STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 GRO STD

Integration File: Calibration.e
Quant Time: Mar 06 12:28:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
Quant Title :
QLast Update : Thu Mar 06 12:27:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

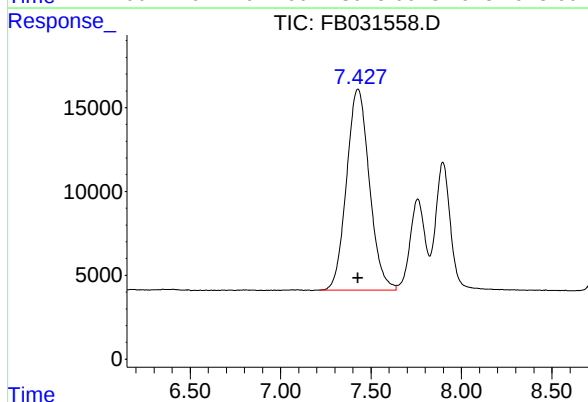




#1 2-Methylpentane

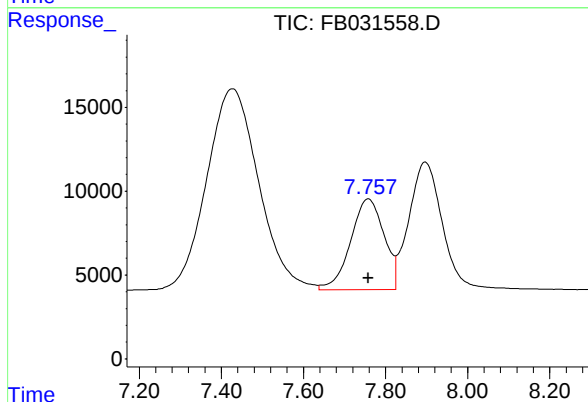
R.T.: 4.724 min
Delta R.T.: 0.000 min
Response: 771999
Conc: 30.00 ng/ml

Instrument :
FID_B
ClientSampleId :
20 GRO STD



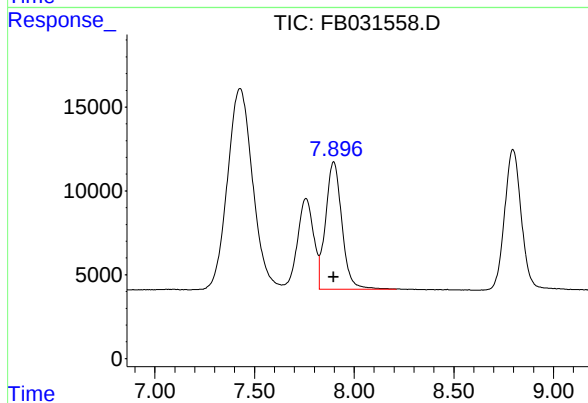
#2 2,2,4-Trimethylpentane

R.T.: 7.428 min
Delta R.T.: 0.000 min
Response: 1053033
Conc: 30.00 ng/ml



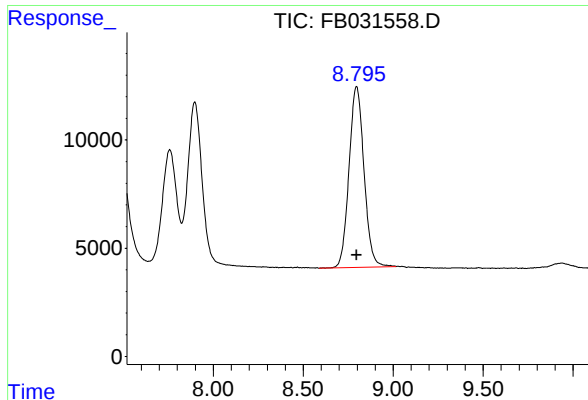
#3 n-Heptane

R.T.: 7.758 min
Delta R.T.: 0.000 min
Response: 307158
Conc: 10.00 ng/ml



#4 Benzene

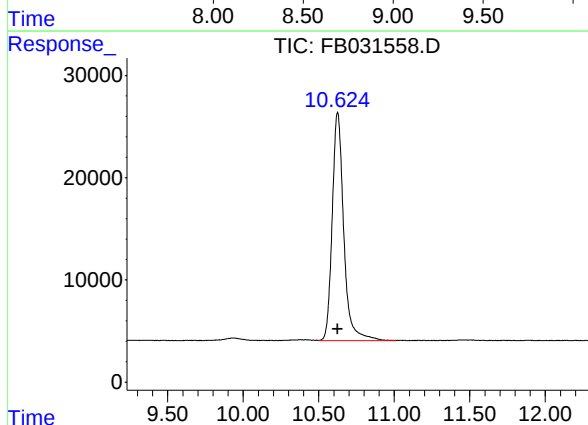
R.T.: 7.897 min
Delta R.T.: 0.000 min
Response: 431196
Conc: 10.00 ng/ml



#5 AAA-TFT

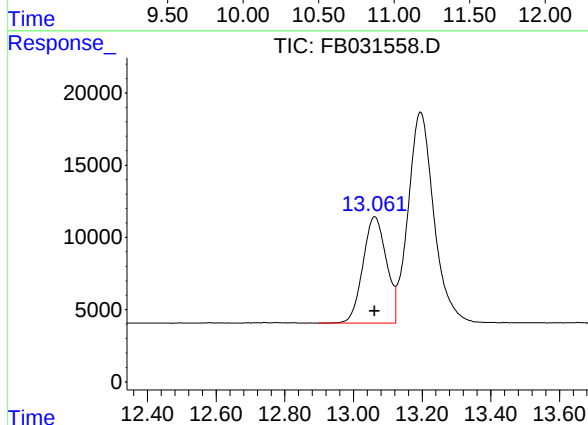
R.T.: 8.796 min
Delta R.T.: 0.000 min
Response: 482106
Conc: 20.00 ng/ml

Instrument :
FID_B
ClientSampleId :
20 GRO STD



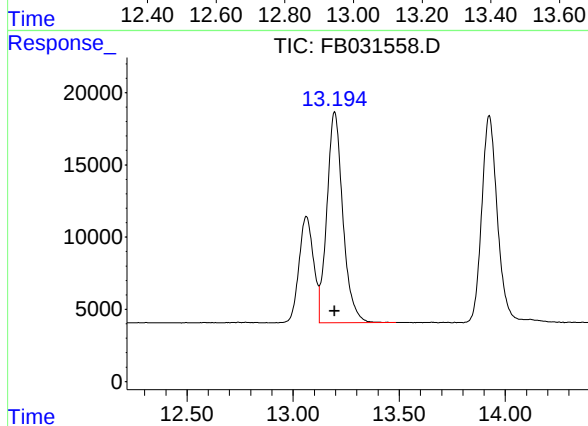
#6 Toluene

R.T.: 10.625 min
Delta R.T.: 0.000 min
Response: 1185227
Conc: 30.00 ng/ml



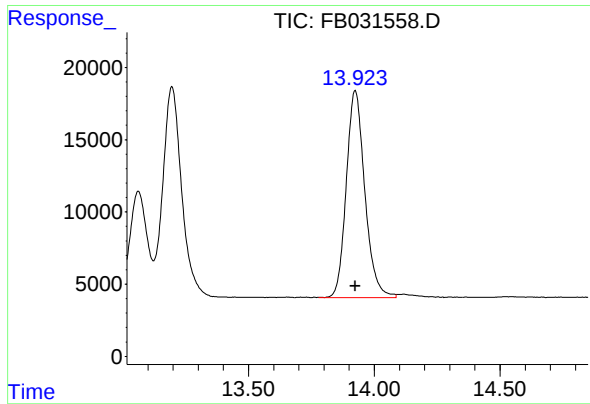
#7 Ethylbenzene

R.T.: 13.062 min
Delta R.T.: 0.000 min
Response: 349215
Conc: 10.00 ng/ml



#8 m-Xylene

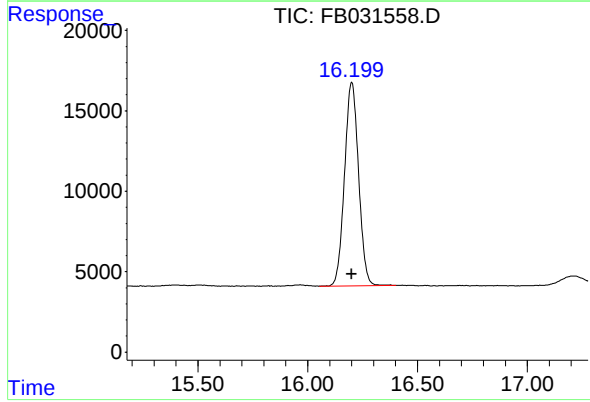
R.T.: 13.196 min
Delta R.T.: 0.000 min
Response: 763933
Conc: 20.00 ng/ml



#9 O-Xylene

R.T.: 13.925 min
Delta R.T.: 0.000 min
Response: 734501
Conc: 20.00 ng/ml

Instrument :
FID_B
ClientSampleId :
20 GRO STD



#10 1,2,4-Trimethylbenzene

R.T.: 16.201 min
Delta R.T.: 0.000 min
Response: 561967
Conc: 20.00 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB030625\
Data File : FB031558.D
Signal(s) : FID2B.CH
Acq On : 6 Mar 2025 10:48
Sample : 20 GRO STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.724	4.582	4.905	BV	10729	771999	65.14%	11.626%
2	7.428	7.212	7.638	BV	11991	1053033	88.85%	15.858%
3	7.758	7.638	7.825	VV	5428	307158	25.92%	4.626%
4	7.897	7.825	8.211	VV	7621	431196	36.38%	6.494%
5	8.796	8.588	9.016	PV	8362	482106	40.68%	7.260%
6	10.625	10.501	11.011	VV	22335	1185227	100.00%	17.849%
7	13.062	12.898	13.123	BV	7370	349215	29.46%	5.259%
8	13.196	13.123	13.486	VV	14603	763933	64.45%	11.504%
9	13.925	13.781	14.087	BV	14342	734501	61.97%	11.061%
10	16.201	16.052	16.403	PBA	12661	561967	47.41%	8.463%

Sum of corrected areas: 6640336

FB030625.M Fri Mar 07 07:05:07 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB030625\
 Data File : FB031559.D
 Signal(s) : FID2B.CH
 Acq On : 6 Mar 2025 11:15
 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: Mar 06 12:28:32 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
 Quant Title :
 QLast Update : Thu Mar 06 12:27:13 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units

System Monitoring Compounds				
5) s	AAA-TFT	8.796	1202270	49.876 ng/ml
Target Compounds				
1) t	2-Methylpentane	4.720	1999167	77.688 ng/ml
2) t	2,2,4-Trimethylpentane	7.428	2647964	75.438 ng/ml
3) t	n-Heptane	7.757	804948	26.206 ng/ml
4) t	Benzene	7.896	1078353	25.008 ng/ml
6) t	Toluene	10.626	3006730	76.105 ng/ml
7) t	Ethylbenzene	13.064	874287	25.036 ng/ml
8) t	m-Xylene	13.198	1914646	50.126 ng/ml
9) t	O-Xylene	13.926	1809023	49.259 ng/ml
10) t	1,2,4-Trimethylbenzene	16.202	1320542	46.997 ng/ml

(f)=RT Delta > 1/2 Window

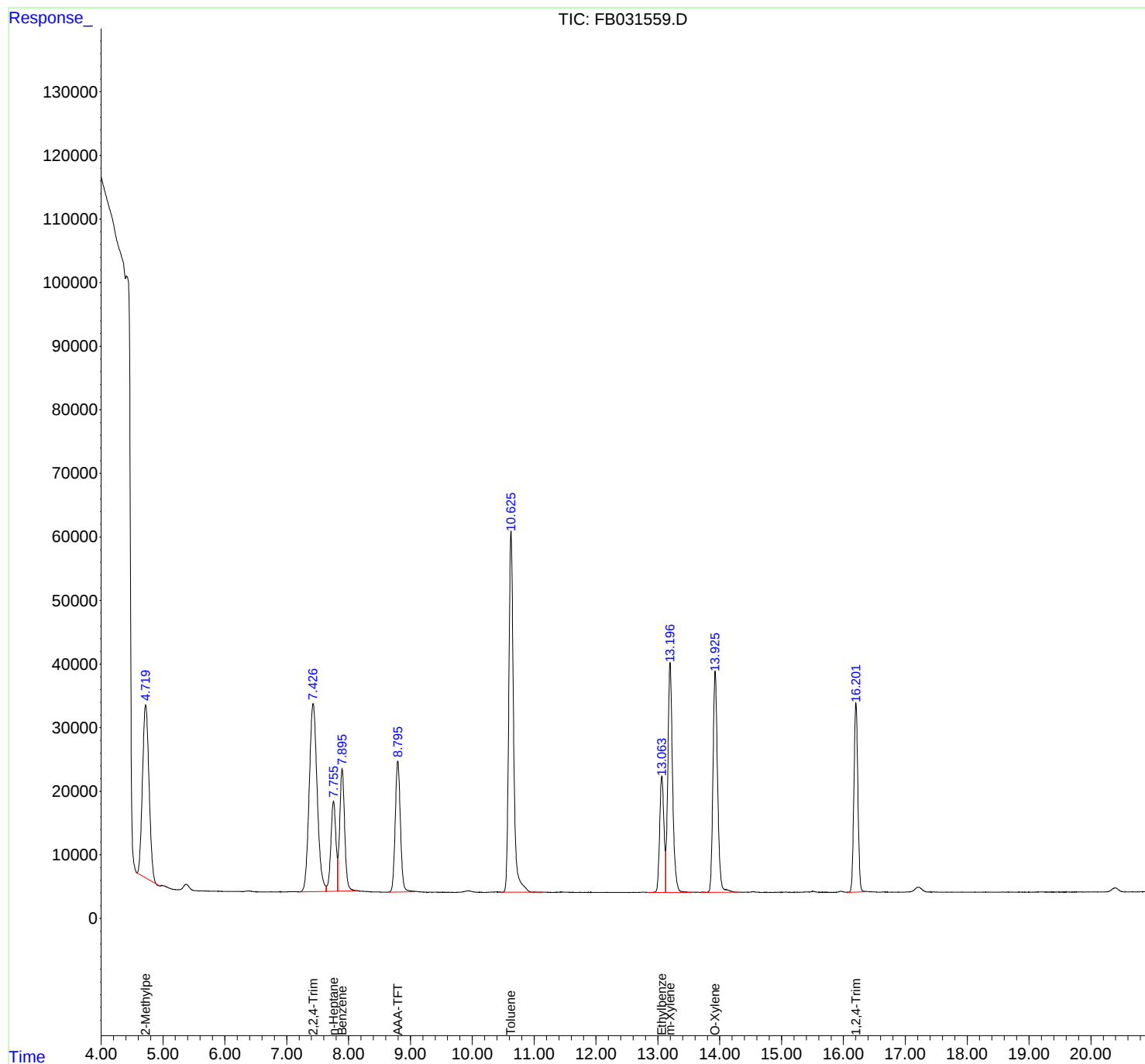
(m)=manual int.

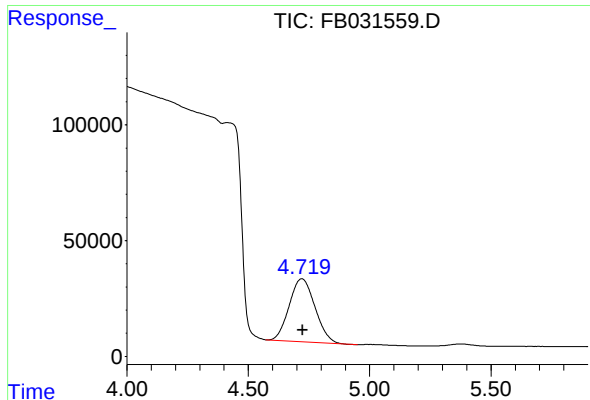
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB030625\
Data File : FB031559.D
Signal(s) : FID2B.CH
Acq On : 6 Mar 2025 11:15
Operator : YP/AJ
Sample : 50 GRO STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
50 GRO STD

Integration File: Calibration.e
Quant Time: Mar 06 12:28:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
Quant Title :
QLast Update : Thu Mar 06 12:27:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

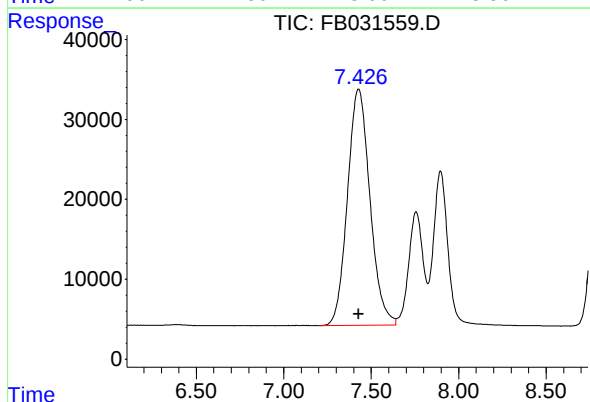




#1 2-Methylpentane

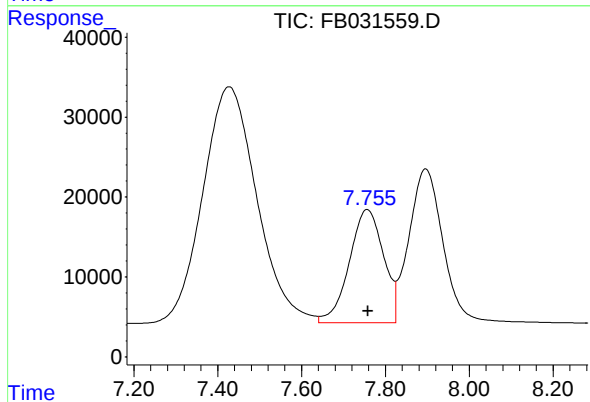
R.T.: 4.720 min
Delta R.T.: -0.004 min
Response: 1999167
Conc: 77.69 ng/ml

Instrument :
FID_B
ClientSampleId :
50 GRO STD



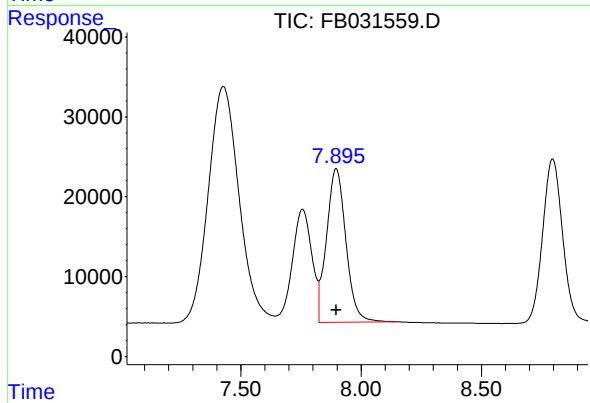
#2 2,2,4-Trimethylpentane

R.T.: 7.428 min
Delta R.T.: 0.000 min
Response: 2647964
Conc: 75.44 ng/ml



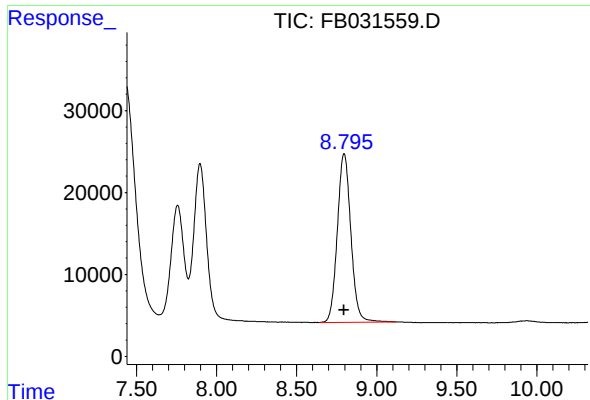
#3 n-Heptane

R.T.: 7.757 min
Delta R.T.: -0.002 min
Response: 804948
Conc: 26.21 ng/ml



#4 Benzene

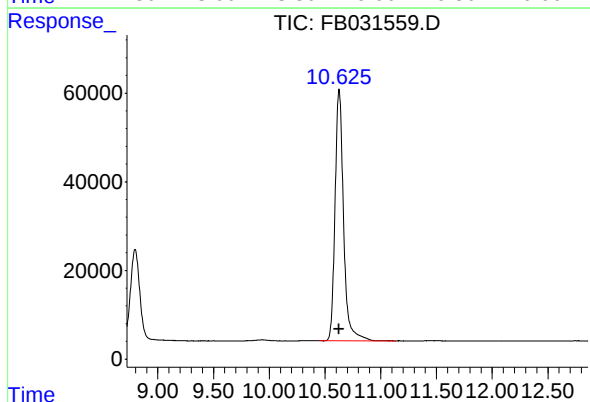
R.T.: 7.896 min
Delta R.T.: 0.000 min
Response: 1078353
Conc: 25.01 ng/ml



#5 AAA-TFT

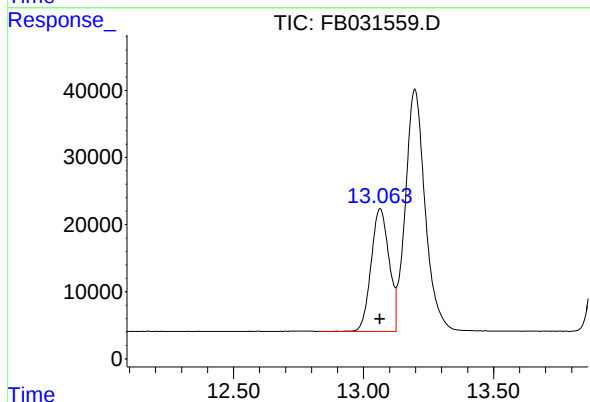
R.T.: 8.796 min
Delta R.T.: 0.000 min
Response: 1202270
Conc: 49.88 ng/ml

Instrument :
FID_B
ClientSampleId :
50 GRO STD



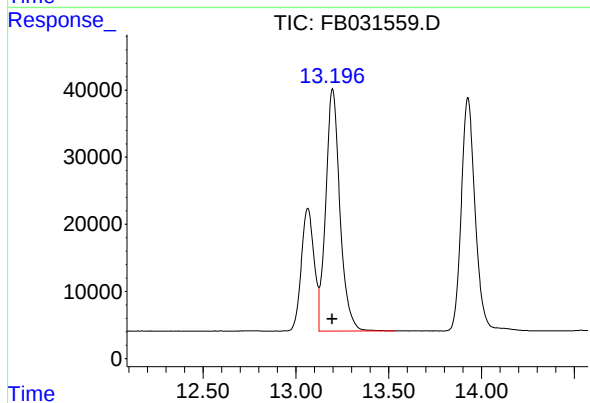
#6 Toluene

R.T.: 10.626 min
Delta R.T.: 0.001 min
Response: 3006730
Conc: 76.11 ng/ml



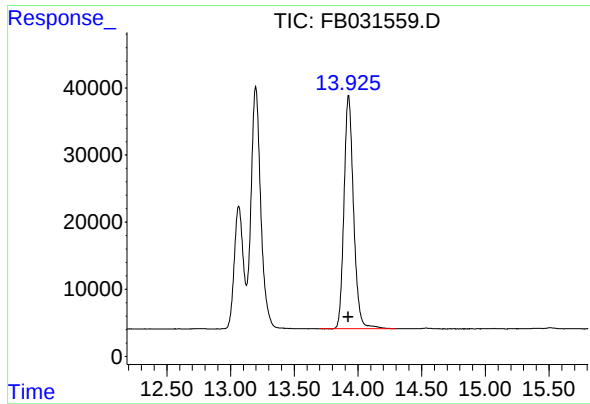
#7 Ethylbenzene

R.T.: 13.064 min
Delta R.T.: 0.002 min
Response: 874287
Conc: 25.04 ng/ml



#8 m-Xylene

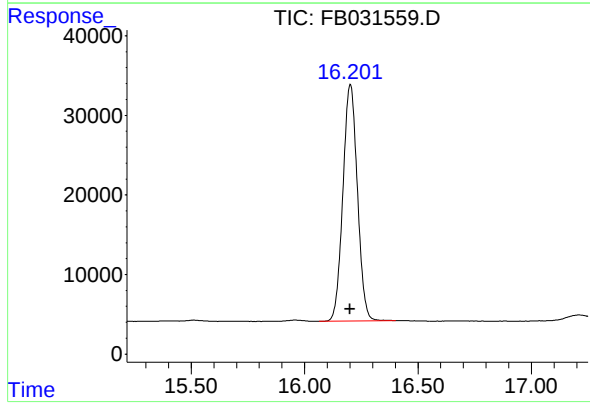
R.T.: 13.198 min
Delta R.T.: 0.002 min
Response: 1914646
Conc: 50.13 ng/ml



#9 O-Xylene

R.T.: 13.926 min
Delta R.T.: 0.002 min
Response: 1809023
Conc: 49.26 ng/ml

Instrument :
FID_B
ClientSampleId :
50 GRO STD



#10 1,2,4-Trimethylbenzene

R.T.: 16.202 min
Delta R.T.: 0.001 min
Response: 1320542
Conc: 47.00 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB030625\
Data File : FB031559.D
Signal(s) : FID2B.CH
Acq On : 6 Mar 2025 11:15
Sample : 50 GRO STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.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	4.571	4.951	BV	27216	1999167	66.49%	12.001%
2	7.428	7.201	7.641	BV	29578	2647964	88.07%	15.896%
3	7.757	7.641	7.825	VV	14169	804948	26.77%	4.832%
4	7.896	7.825	8.144	VV	19241	1078353	35.86%	6.474%
5	8.796	8.641	9.121	PV	20601	1202270	39.99%	7.217%
6	10.626	10.446	11.136	BV	56781	3006730	100.00%	18.050%
7	13.064	12.829	13.124	PV	18304	874287	29.08%	5.248%
8	13.198	13.124	13.538	VV	36098	1914646	63.68%	11.494%
9	13.926	13.694	14.298	BV	34787	1809023	60.17%	10.860%
10	16.202	16.063	16.403	PBA	29763	1320542	43.92%	7.927%

Sum of corrected areas: 16657928

FB030625.M Fri Mar 07 07:07:00 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB030625\
 Data File : FB031560.D
 Signal(s) : FID2B.CH
 Acq On : 6 Mar 2025 11:43
 Operator : YP/AJ
 Sample : 100 GRO STD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

FID_B

ClientSampleId :

100 GRO STD

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 03/07/2025

Supervised By :mohammad ahmed 03/08/2025

Integration File: Calibration.e
 Quant Time: Mar 06 12:28:43 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
 Quant Title :
 QLast Update : Thu Mar 06 12:27:13 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	8.797	2434690	101.002 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.720	3523964	136.942 ng/mlm
2) t 2,2,4-Trimethylpentane	7.433	4723562	134.570 ng/ml
3) t n-Heptane	7.756	1532649	49.898 ng/ml
4) t Benzene	7.898	2067734	47.954 ng/ml
6) t Toluene	10.628	5722349	144.842 ng/ml
7) t Ethylbenzene	13.066	1652001	47.306 ng/ml
8) t m-Xylene	13.200	3604686	94.372 ng/ml
9) t O-Xylene	13.929	3368693	91.727 ng/ml
10) t 1,2,4-Trimethylbenzene	16.204	2344614	83.443 ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB030625\
Data File : FB031560.D
Signal(s) : FID2B.CH
Acq On : 6 Mar 2025 11:43
Operator : YP/AJ
Sample : 100 GRO STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

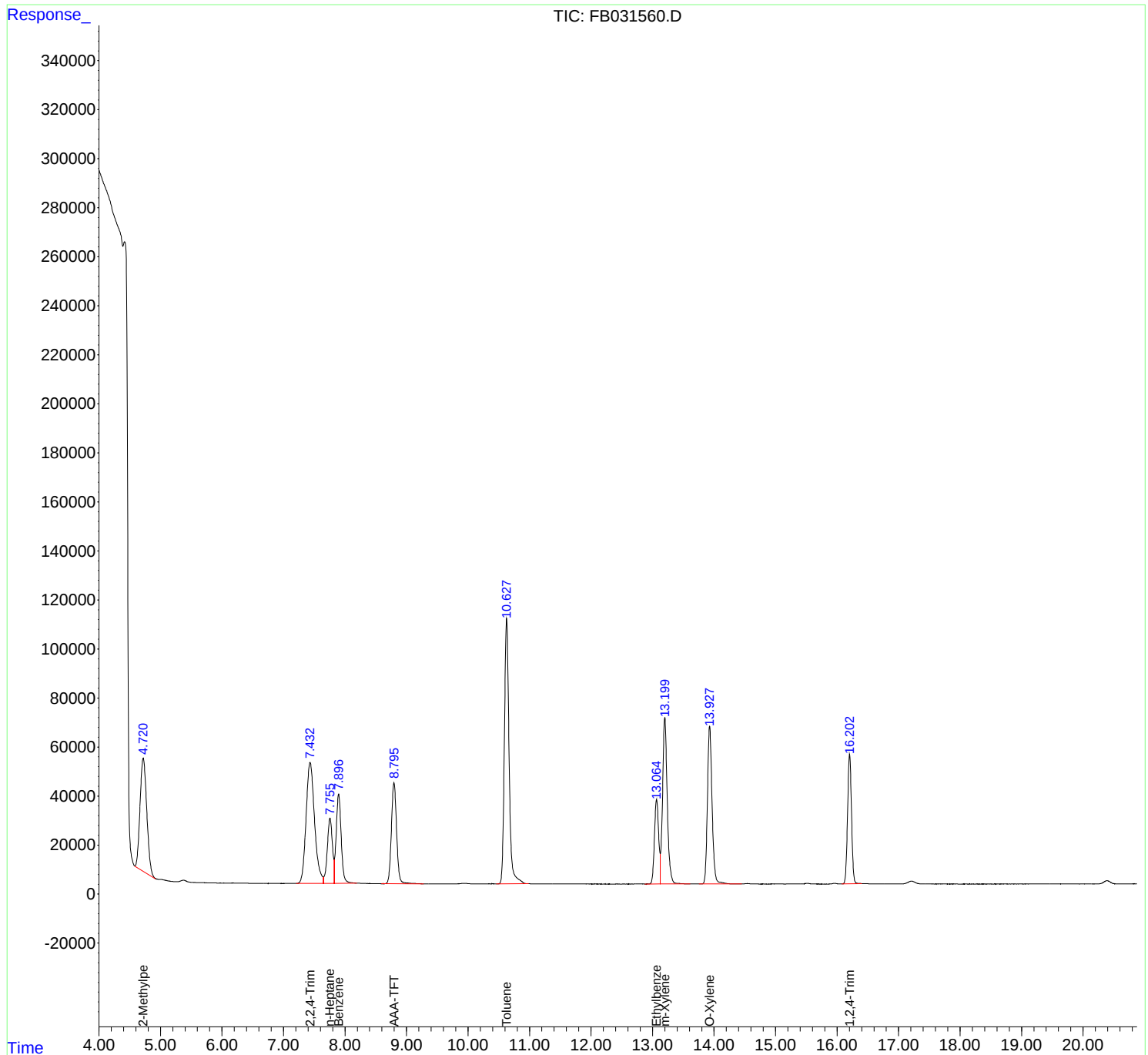
Instrument :
FID_B
ClientSampleId :
100 GRO STD

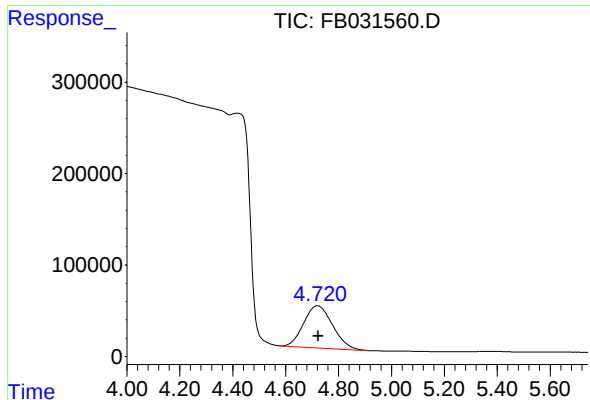
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/07/2025
Supervised By :mohammad ahmed 03/08/2025

Integration File: Calibration.e
Quant Time: Mar 06 12:28:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
Quant Title :
QLast Update : Thu Mar 06 12:27:13 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.: -0.004 min
Response: 3523964
Conc: 136.94 ng/ml

Instrument :

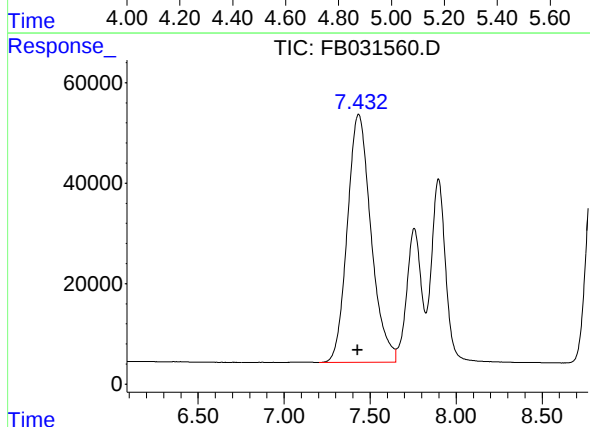
FID_B

ClientSampleId :

100 GRO STD

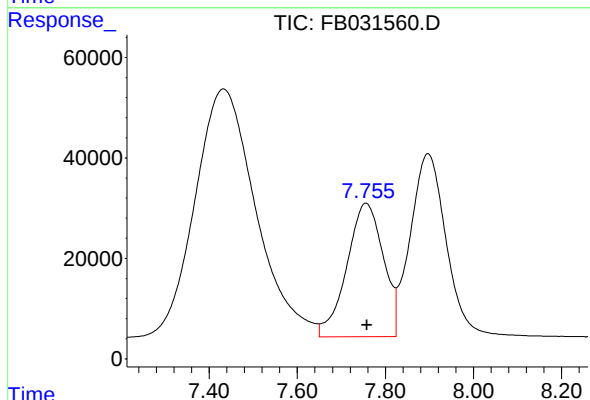
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/07/2025
Supervised By :mohammad ahmed 03/08/2025



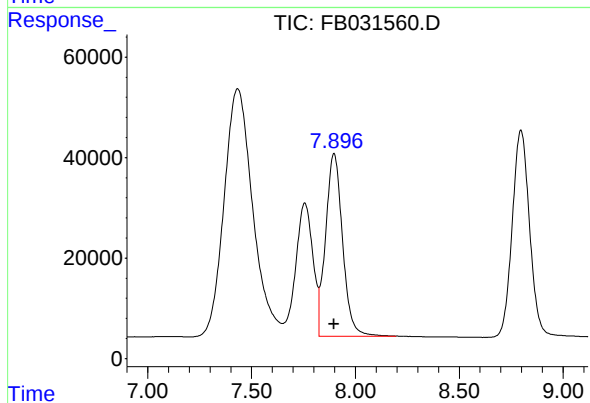
#2 2,2,4-Trimethylpentane

R.T.: 7.433 min
Delta R.T.: 0.005 min
Response: 4723562
Conc: 134.57 ng/ml



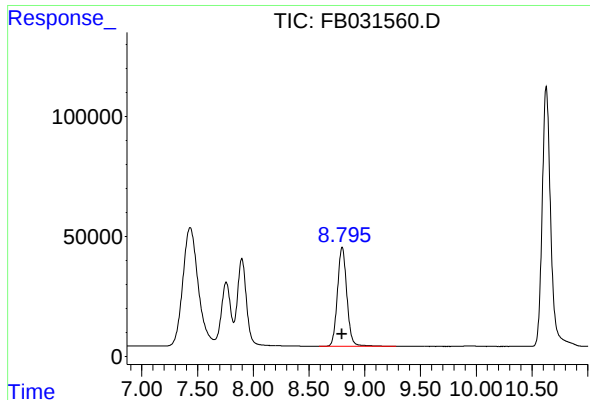
#3 n-Heptane

R.T.: 7.756 min
Delta R.T.: -0.002 min
Response: 1532649
Conc: 49.90 ng/ml



#4 Benzene

R.T.: 7.898 min
Delta R.T.: 0.000 min
Response: 2067734
Conc: 47.95 ng/ml



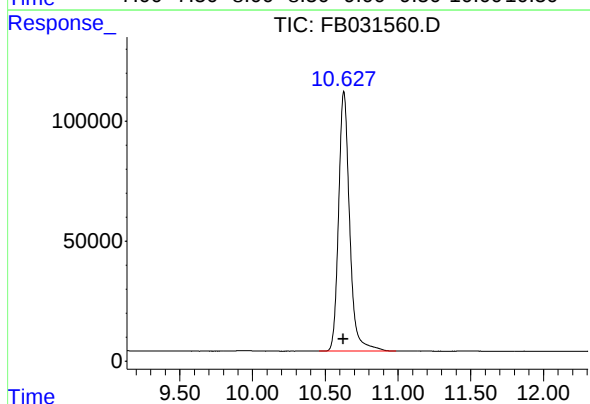
#5 AAA-TFT

R.T.: 8.797 min
Delta R.T.: 0.000 min
Response: 2434690
Conc: 101.00 ng/ml

Instrument :
FID_B
ClientSampleId :
100 GRO STD

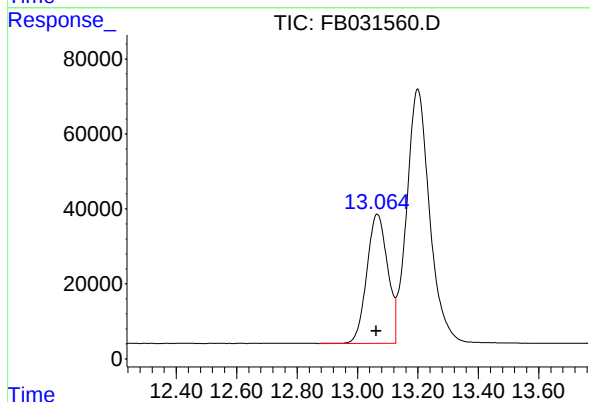
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/07/2025
Supervised By :mohammad ahmed 03/08/2025



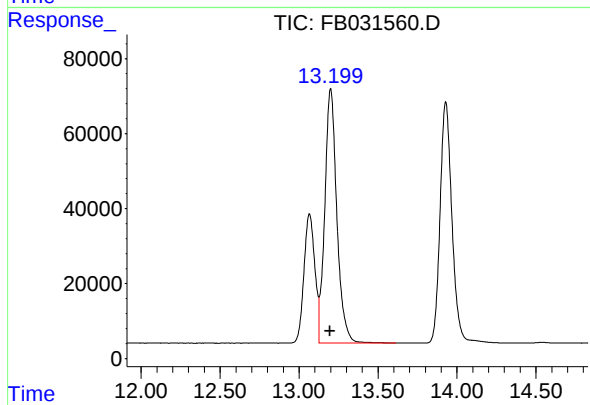
#6 Toluene

R.T.: 10.628 min
Delta R.T.: 0.003 min
Response: 5722349
Conc: 144.84 ng/ml



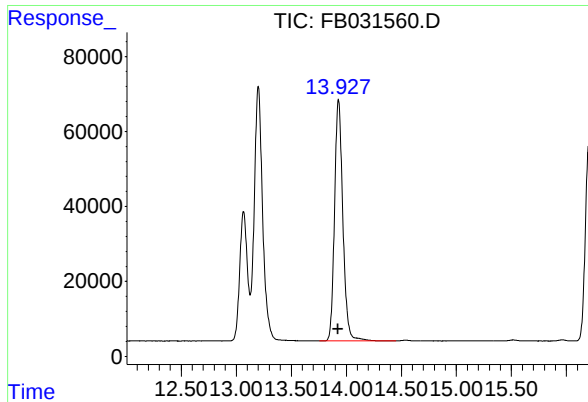
#7 Ethylbenzene

R.T.: 13.066 min
Delta R.T.: 0.004 min
Response: 1652001
Conc: 47.31 ng/ml



#8 m-Xylene

R.T.: 13.200 min
Delta R.T.: 0.004 min
Response: 3604686
Conc: 94.37 ng/ml



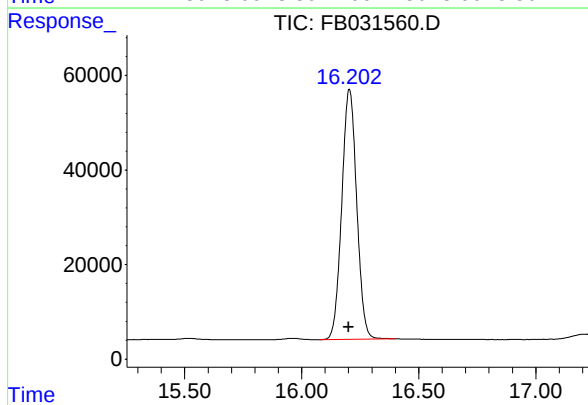
#9 O-Xylene

R.T.: 13.929 min
Delta R.T.: 0.004 min
Response: 3368693
Conc: 91.73 ng/ml

Instrument : FID_B
ClientSampleId : 100 GRO STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/07/2025
Supervised By :mohammad ahmed 03/08/2025



#10 1,2,4-Trimethylbenzene

R.T.: 16.204 min
Delta R.T.: 0.004 min
Response: 2344614
Conc: 83.44 ng/ml

rteres

Instrument :
FID_B
LabSampleId :
100 GRO STD
Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/07/2025
Supervised By :mohammad ahmed 03/08/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB030625
Data File : FB031560.D
Signal(s) : FID2B.CH
Acq On : 6 Mar 2025 11:43
Sample : 100 GRO STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.720	4.576	4.979	BV	45928	3442453	60.16%	11.143%
2	7.433	7.203	7.650	PV	49400	4723562	82.55%	15.290%
3	7.756	7.650	7.824	VV	26621	1532649	26.78%	4.961%
4	7.898	7.824	8.195	VV	36447	2067734	36.13%	6.693%
5	8.797	8.590	9.280	BV	41317	2434690	42.55%	7.881%
6	10.628	10.457	10.986	BV	108266	5722349	100.00%	18.523%
7	13.066	12.871	13.127	PV	34532	1652001	28.87%	5.347%
8	13.200	13.127	13.614	VV	67860	3604686	62.99%	11.668%
9	13.929	13.753	14.451	BV	64341	3368693	58.87%	10.904%
10	16.204	16.074	16.403	PBA	52892	2344614	40.97%	7.589%

Sum of corrected areas: 30893430

FB030625.M Fri Mar 07 07:07:29 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB030625\
 Data File : FB031561.D
 Signal(s) : FID2B.CH
 Acq On : 6 Mar 2025 13:21
 Operator : YP/AJ
 Sample : 5 GRO STD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 FID_B
 ClientSampleId :
 5 GRO STD

Integration File: Calibration.e
 Quant Time: Mar 06 13:15:59 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
 Quant Title :
 QLast Update : Thu Mar 06 13:15:47 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	8.797	88124	4.224 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.726	203387	7.697 ng/ml
2) t 2,2,4-Trimethylpentane	7.421	299942	7.989 ng/ml
3) t n-Heptane	7.759	84500	2.620 ng/ml
4) t Benzene	7.896	113143	2.560 ng/ml
6) t Toluene	10.625	337616	7.989 ng/ml
7) t Ethylbenzene	13.061	105280	2.733 ng/ml
8) t m-Xylene	13.194	230607	5.470 ng/ml
9) t O-Xylene	13.922	217653	5.424 ng/ml
10) t 1,2,4-Trimethylbenzene	16.199	186716	5.706 ng/ml

(f)=RT Delta > 1/2 Window

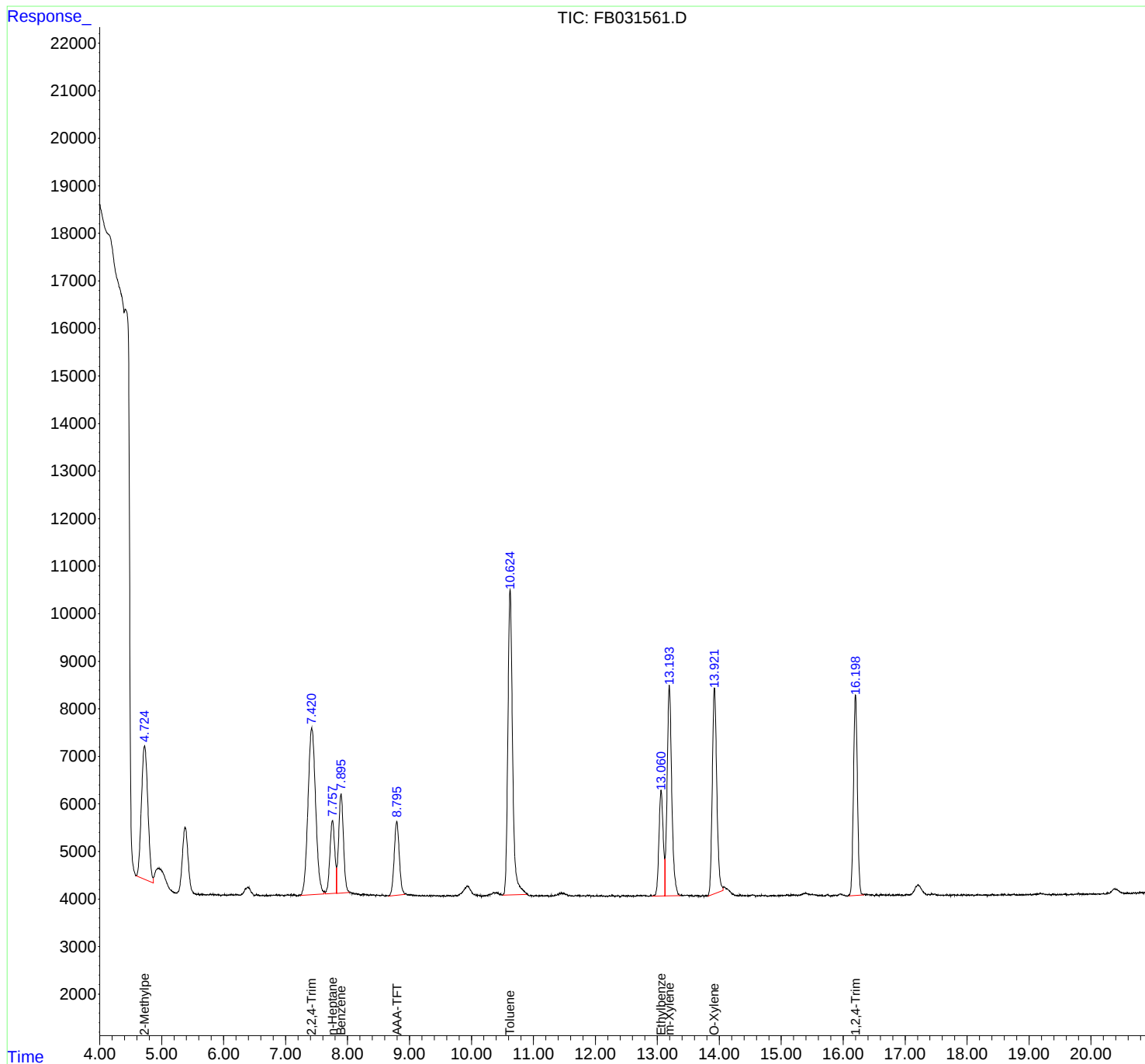
(m)=manual int.

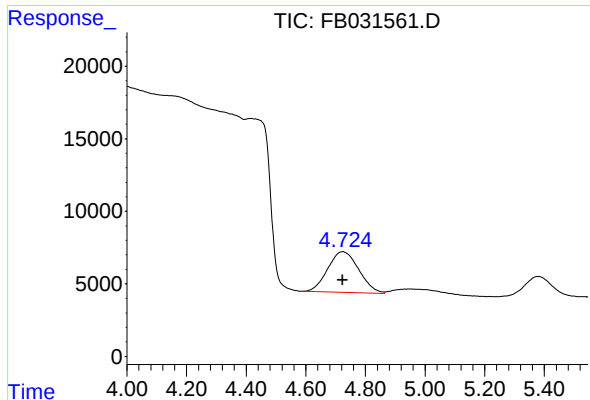
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB030625\
Data File : FB031561.D
Signal(s) : FID2B.CH
Acq On : 6 Mar 2025 13:21
Operator : YP/AJ
Sample : 5 GRO STD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
5 GRO STD

Integration File: Calibration.e
Quant Time: Mar 06 13:15:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
Quant Title :
QLast Update : Thu Mar 06 13:15:47 2025
Response via : Initial Calibration
Integrator: ChemStation

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

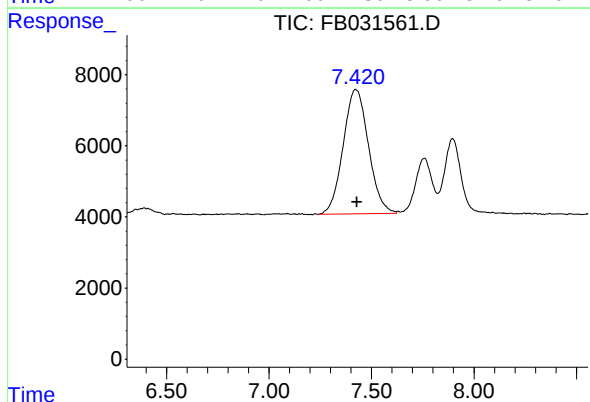




#1 2-Methylpentane

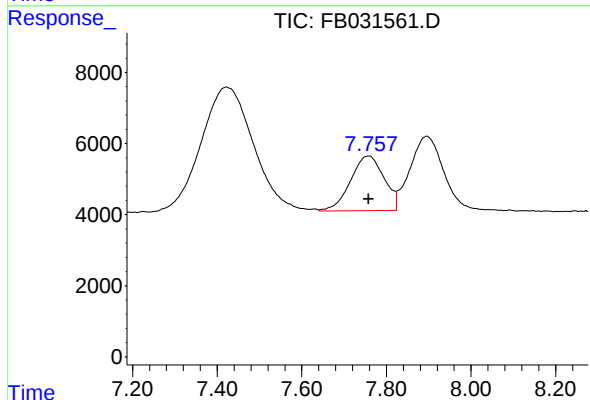
R.T.: 4.726 min
Delta R.T.: 0.002 min
Response: 203387
Conc: 7.70 ng/ml

Instrument :
FID_B
ClientSampleId :
5 GRO STD



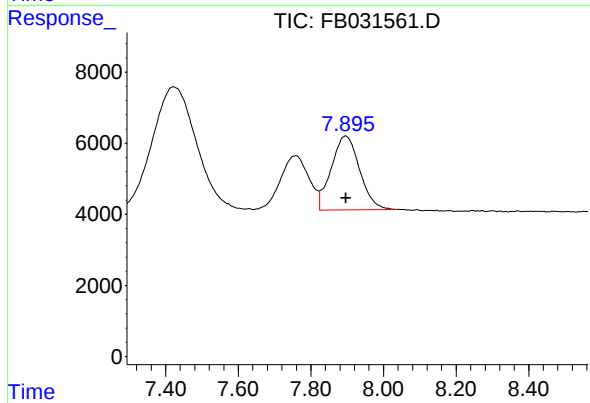
#2 2,2,4-Trimethylpentane

R.T.: 7.421 min
Delta R.T.: -0.007 min
Response: 299942
Conc: 7.99 ng/ml



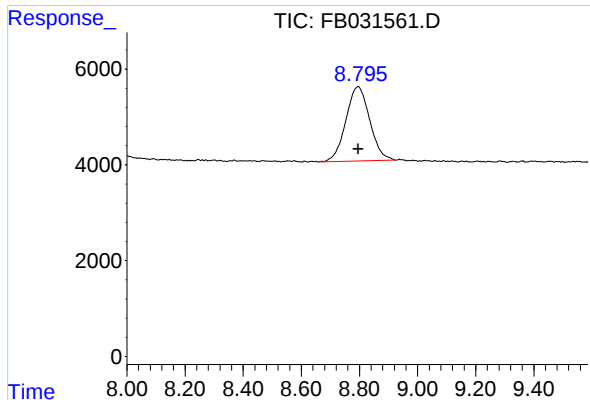
#3 n-Heptane

R.T.: 7.759 min
Delta R.T.: 0.000 min
Response: 84500
Conc: 2.62 ng/ml



#4 Benzene

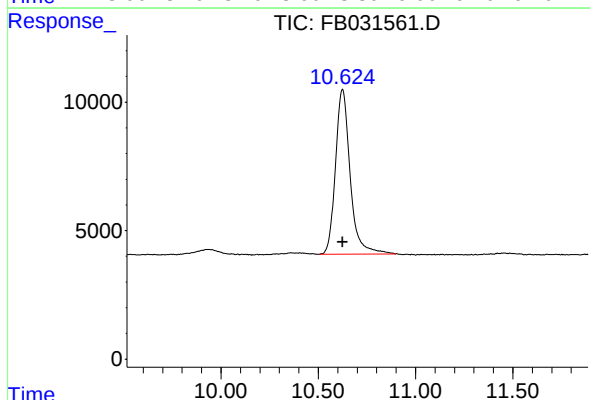
R.T.: 7.896 min
Delta R.T.: 0.000 min
Response: 113143
Conc: 2.56 ng/ml



#5 AAA-TFT

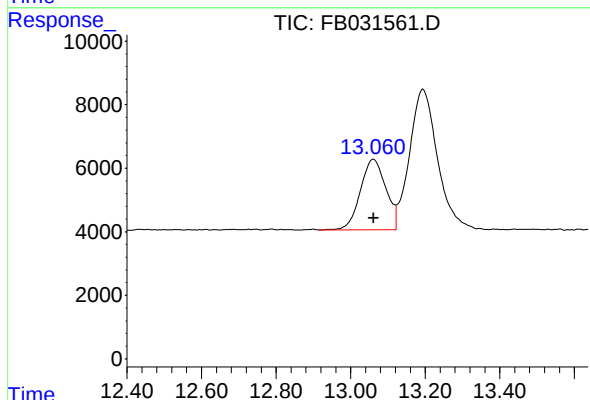
R.T.: 8.797 min
Delta R.T.: 0.000 min
Response: 88124
Conc: 4.22 ng/ml

Instrument :
FID_B
ClientSampleId :
5 GRO STD



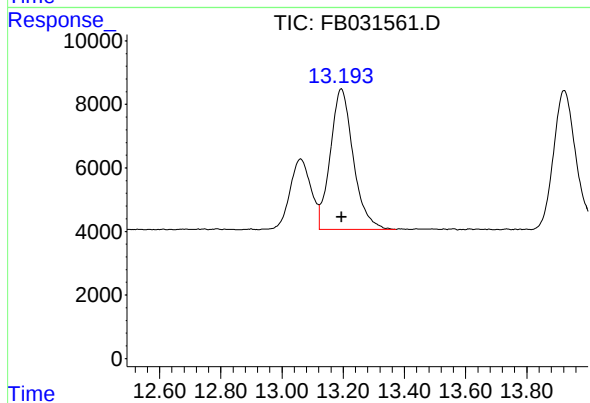
#6 Toluene

R.T.: 10.625 min
Delta R.T.: 0.000 min
Response: 337616
Conc: 7.99 ng/ml



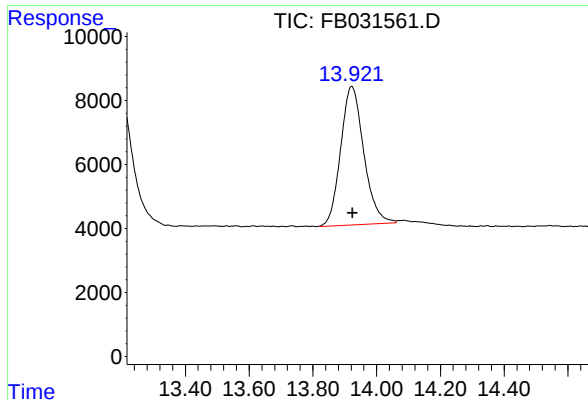
#7 Ethylbenzene

R.T.: 13.061 min
Delta R.T.: -0.001 min
Response: 105280
Conc: 2.73 ng/ml



#8 m-Xylene

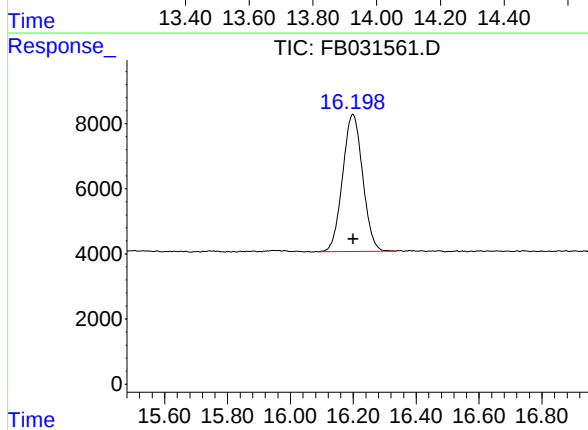
R.T.: 13.194 min
Delta R.T.: -0.002 min
Response: 230607
Conc: 5.47 ng/ml



#9 O-Xylene

R.T.: 13.922 min
Delta R.T.: -0.002 min
Response: 217653
Conc: 5.42 ng/ml

Instrument :
FID_B
ClientSampleId :
5 GRO STD



#10 1,2,4-Trimethylbenzene

R.T.: 16.199 min
Delta R.T.: -0.001 min
Response: 186716
Conc: 5.71 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB030625\
Data File : FB031561.D
Signal(s) : FID2B.CH
Acq On : 6 Mar 2025 13:21
Sample : 5 GRO STD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.726	4.590	4.864	BV	2811	203387	60.24%	10.894%
2	7.421	7.245	7.621	BV	3505	299942	88.84%	16.066%
3	7.759	7.641	7.824	VV	1534	84500	25.03%	4.526%
4	7.896	7.824	8.036	VV	2086	113143	33.51%	6.060%
5	8.797	8.660	8.925	PV	1555	88124	26.10%	4.720%
6	10.625	10.505	10.900	BV	6416	337616	100.00%	18.084%
7	13.061	12.915	13.122	PV	2224	105280	31.18%	5.639%
8	13.194	13.122	13.373	VV	4429	230607	68.30%	12.352%
9	13.922	13.820	14.061	BV	4329	217653	64.47%	11.658%
10	16.199	16.091	16.336	PV	4218	186716	55.30%	10.001%

Sum of corrected areas: 1866969

FB030625.M Fri Mar 07 07:08:05 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB030625\
 Data File : FB031562.D
 Signal(s) : FID2B.CH
 Acq On : 6 Mar 2025 14:05
 Operator : YP/AJ
 Sample : FB030625GROICV
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 FID_B
 ClientSampleId :
 FB030625GROICV

Integration File: Calibration.e
 Quant Time: Mar 06 14:29:32 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
 Quant Title :
 QLast Update : Thu Mar 06 13:17:04 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
5) s AAA-TFT	8.796	537116	23.719 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.722	782337	30.760 ng/ml
2) t 2,2,4-Trimethylpentane	7.428	1055396	30.441 ng/ml
3) t n-Heptane	7.757	316180	10.214 ng/ml
4) t Benzene	7.897	444101	10.508 ng/ml
6) t Toluene	10.627	1204147	30.441 ng/ml
7) t Ethylbenzene	13.063	353160	10.013 ng/ml
8) t m-Xylene	13.197	774921	20.103 ng/ml
9) t O-Xylene	13.926	755385	20.469 ng/ml
10) t 1,2,4-Trimethylbenzene	16.202	566978	20.067 ng/ml

(f)=RT Delta > 1/2 Window

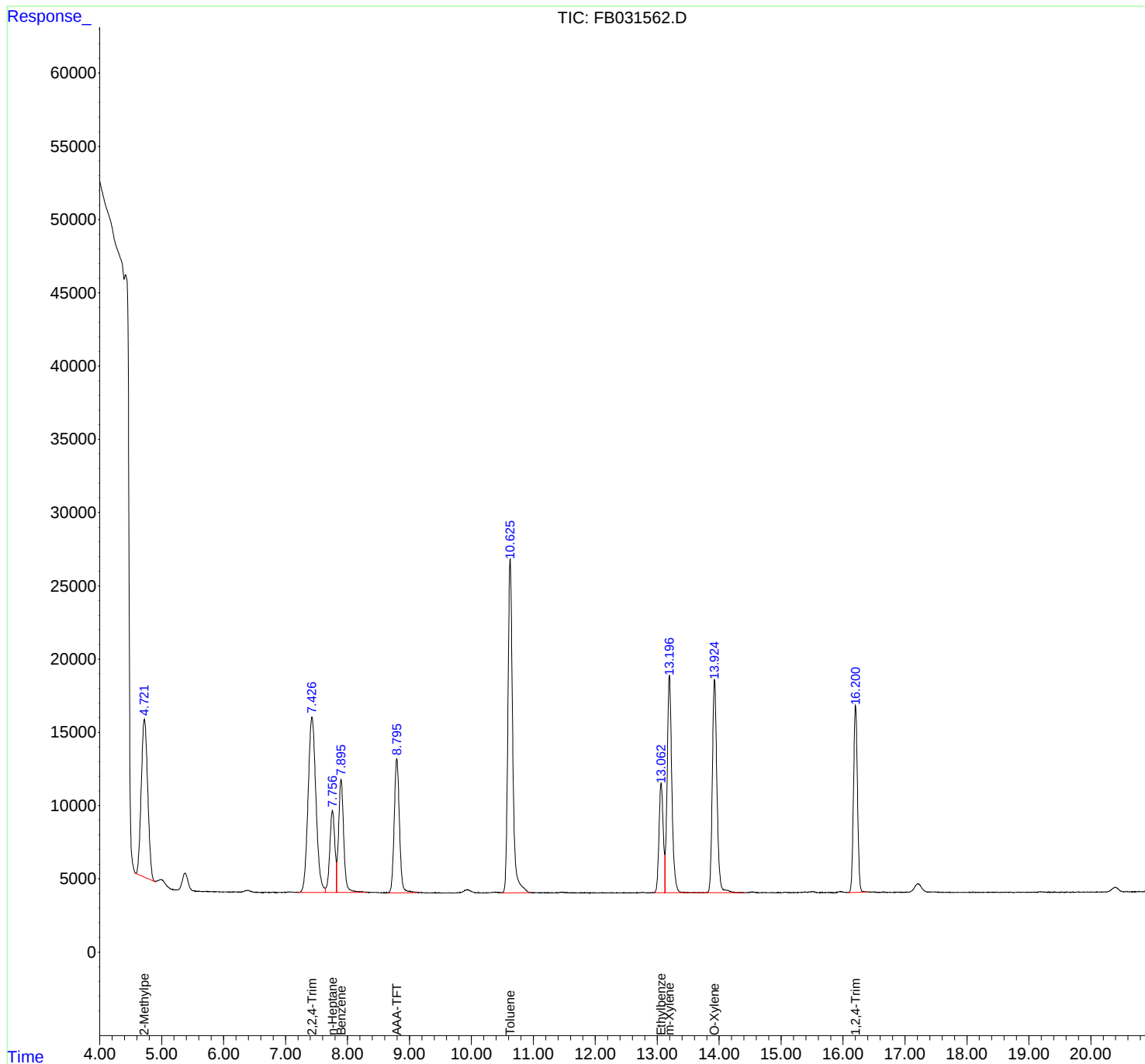
(m)=manual int.

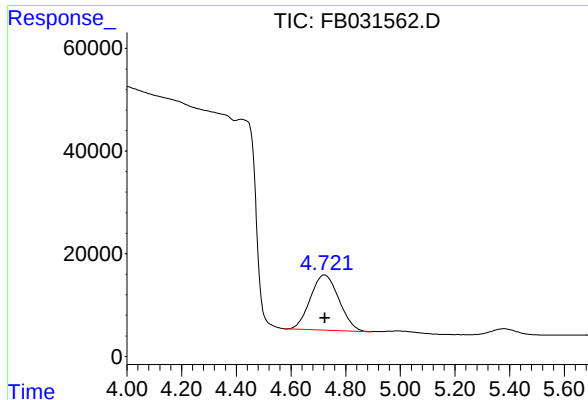
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB030625\
Data File : FB031562.D
Signal(s) : FID2B.CH
Acq On : 6 Mar 2025 14:05
Operator : YP/AJ
Sample : FB030625GROICV
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
FB030625GROICV

Integration File: Calibration.e
Quant Time: Mar 06 14:29:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
Quant Title :
QLast Update : Thu Mar 06 13:17:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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

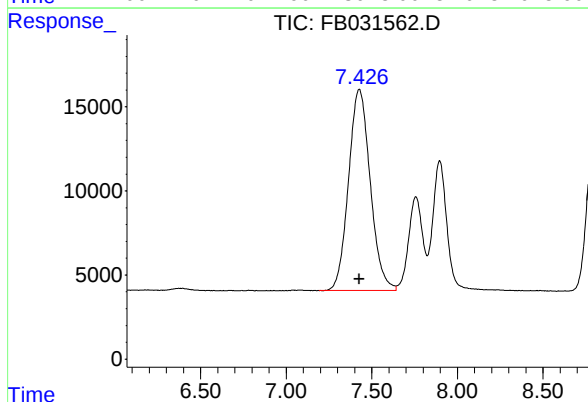




#1 2-Methylpentane

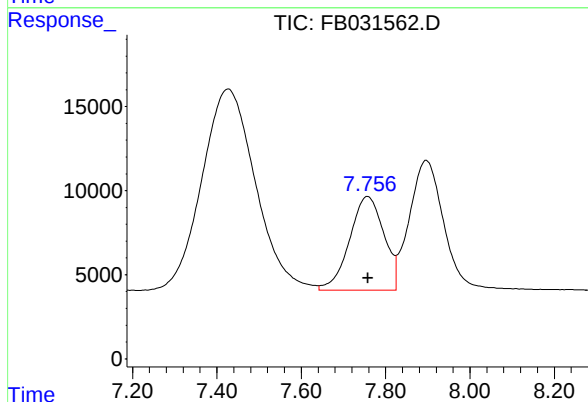
R.T.: 4.722 min
Delta R.T.: -0.002 min
Response: 782337
Conc: 30.76 ng/ml

Instrument :
FID_B
ClientSampleId :
FB030625GROICV



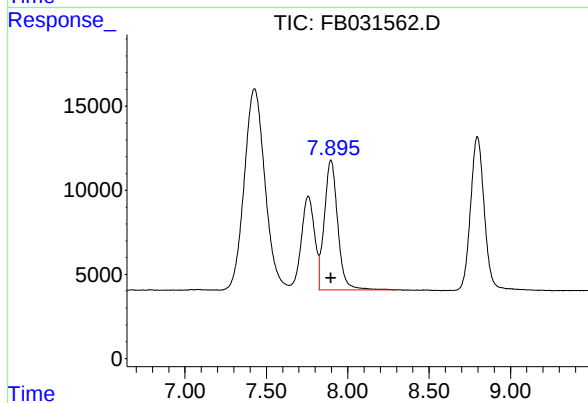
#2 2,2,4-Trimethylpentane

R.T.: 7.428 min
Delta R.T.: 0.000 min
Response: 1055396
Conc: 30.44 ng/ml



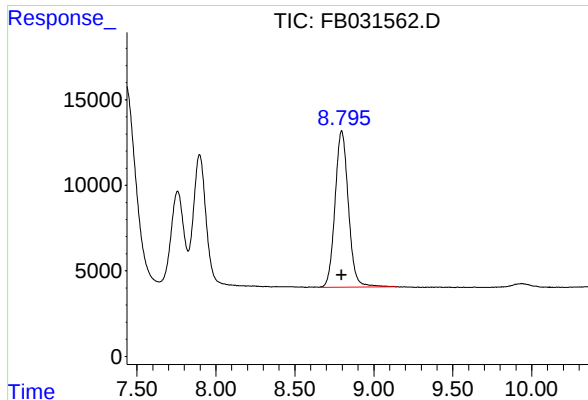
#3 n-Heptane

R.T.: 7.757 min
Delta R.T.: 0.000 min
Response: 316180
Conc: 10.21 ng/ml



#4 Benzene

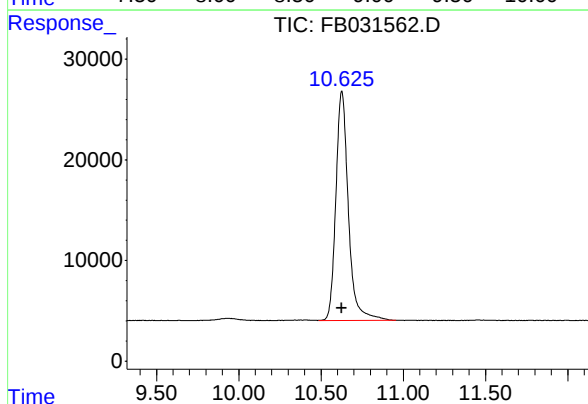
R.T.: 7.897 min
Delta R.T.: 0.000 min
Response: 444101
Conc: 10.51 ng/ml



#5 AAA-TFT

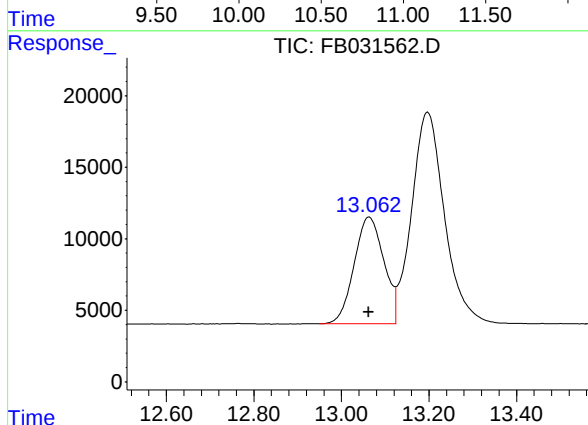
R.T.: 8.796 min
Delta R.T.: 0.000 min
Response: 537116
Conc: 23.72 ng/ml

Instrument :
FID_B
ClientSampleId :
FB030625GROICV



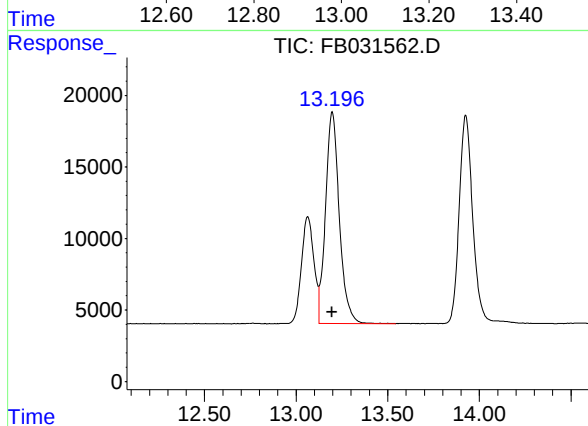
#6 Toluene

R.T.: 10.627 min
Delta R.T.: 0.001 min
Response: 1204147
Conc: 30.44 ng/ml



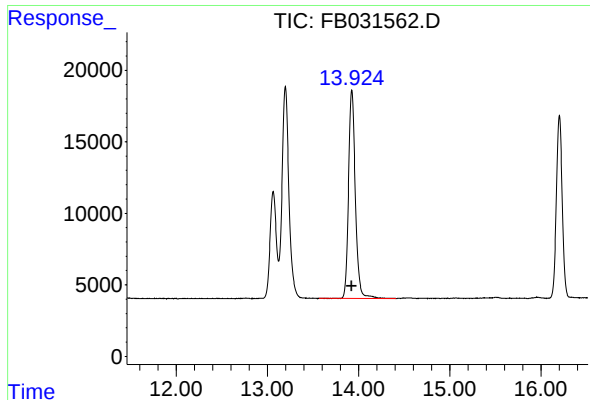
#7 Ethylbenzene

R.T.: 13.063 min
Delta R.T.: 0.000 min
Response: 353160
Conc: 10.01 ng/ml



#8 m-Xylene

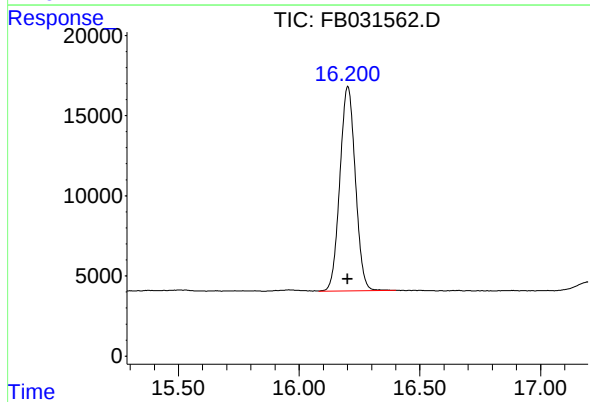
R.T.: 13.197 min
Delta R.T.: 0.001 min
Response: 774921
Conc: 20.10 ng/ml



#9 O-Xylene

R.T.: 13.926 min
Delta R.T.: 0.001 min
Response: 755385
Conc: 20.47 ng/ml

Instrument :
FID_B
ClientSampleId :
FB030625GROICV



#10 1,2,4-Trimethylbenzene

R.T.: 16.202 min
Delta R.T.: 0.001 min
Response: 566978
Conc: 20.07 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB030625\
Data File : FB031562.D
Signal(s) : FID2B.CH
Acq On : 6 Mar 2025 14:05
Sample : FB030625GR0ICV
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB030625.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.722	4.576	4.894	BV	10778	782337	64.97%	11.522%
2	7.428	7.192	7.642	BV	11973	1055396	87.65%	15.544%
3	7.757	7.642	7.825	VV	5579	316180	26.26%	4.657%
4	7.897	7.825	8.297	VV	7729	444101	36.88%	6.541%
5	8.796	8.654	9.141	BV	9154	537116	44.61%	7.911%
6	10.627	10.488	10.956	BV	22787	1204147	100.00%	17.735%
7	13.063	12.948	13.124	BV	7476	353160	29.33%	5.201%
8	13.197	13.124	13.544	VB	14810	774921	64.35%	11.413%
9	13.926	13.566	14.410	BB	14557	755385	62.73%	11.125%
10	16.202	16.082	16.401	BBA	12759	566978	47.09%	8.351%

Sum of corrected areas: 6789720

FB030625.M Fri Mar 07 07:08:28 2025