

GASOLINE RANGE ORGANICS INITIAL CALIBRATION SUMMARY

Lab Name: Alliance

Contract: ALLI03

ProjectID: NJ Waste Water PT

Lab Code: ACE

SDG No.: Q3015

Calibration Sequence : FB082125			Test : Gasoline Range Organics	
Concentration	(PPB)	Area Count	Reference Factor	File ID
45		1222961	27177	FB032157.D
90		1839947	20444	FB032158.D
180		5463615	30353	FB032159.D
450		13753180	30563	FB032160.D
900		26915665	29906	FB032161.D
AVG RF : 27689			% RSD : 15.431	AVG RT : 8.7958

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB082125\
 Data File : FB032157.D
 Signal(s) : FID2B.CH
 Acq On : 21 Aug 2025 9:11
 Operator : YP/AJ
 Sample : 5 GRO STD
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 FID_B
 ClientSampleId :
 5 GRO STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/22/2025
 Supervised By :mohammad ahmed 08/25/2025

Integration File: Calibration.e
 Quant Time: Aug 21 10:52:16 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB082125.M
 Quant Title :
 QLast Update : Thu Aug 21 10:50:20 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	92233	5.359 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.709	142107	6.236 ng/ml
2) t 2,2,4-Trimethylpentane	7.415	170054	6.643 ng/ml
3) t n-Heptane	7.747	61515	2.691 ng/mlm
4) t Benzene	7.891	72490	2.278 ng/ml
6) t Toluene	10.621	243433	7.422 ng/ml
7) t Ethylbenzene	13.057	72976	2.513 ng/ml
8) t m-Xylene	13.189	149236	4.985 ng/ml
9) t O-Xylene	13.916	147127	5.147 ng/ml
10) t 1,2,4-Trimethylbenzene	16.193	164023	6.310 ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB082125\
Data File : FB032157.D
Signal(s) : FID2B.CH
Acq On : 21 Aug 2025 9:11
Operator : YP/AJ
Sample : 5 GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

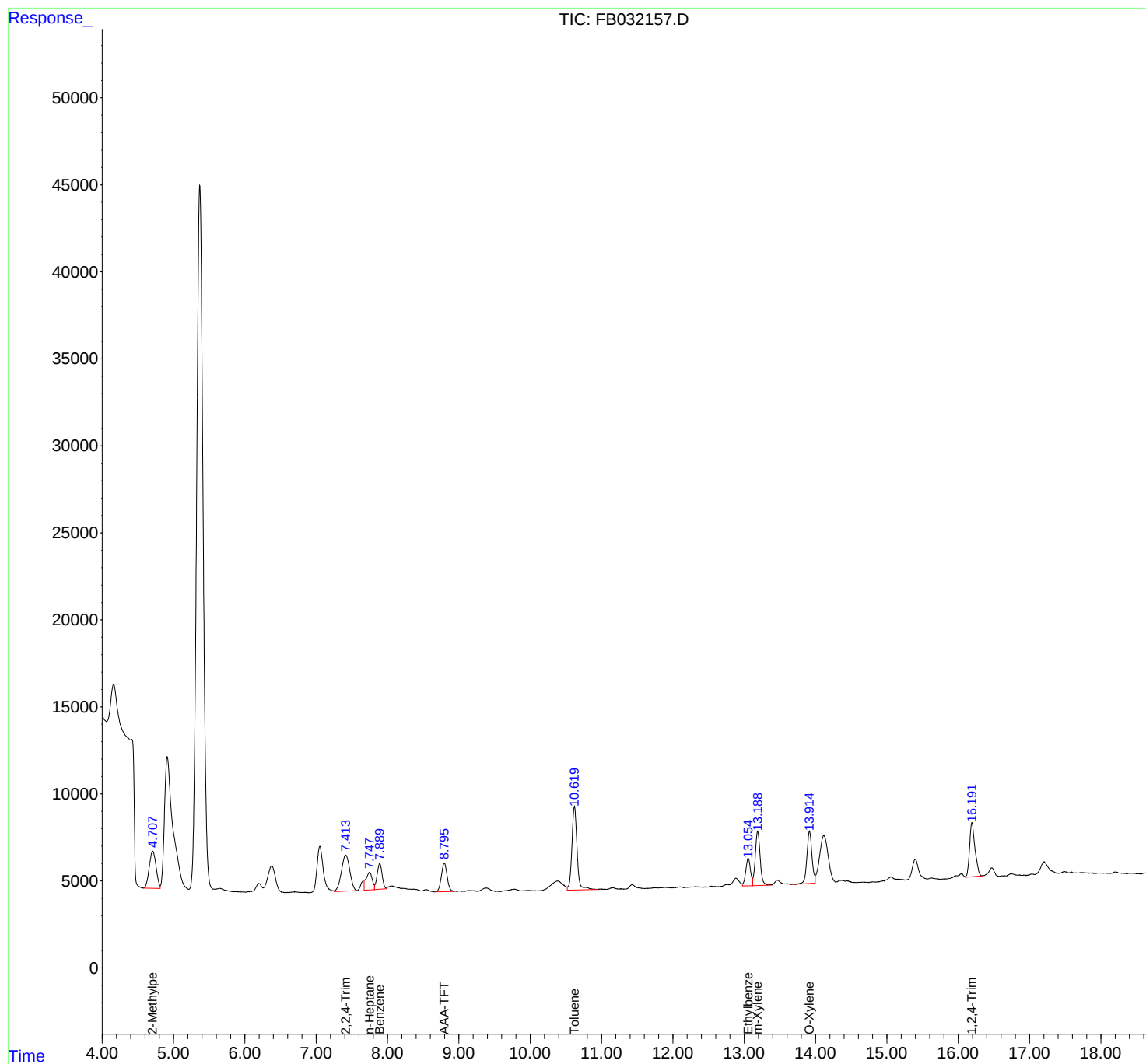
Instrument :
FID_B
ClientSampleId :
5 GRO STD

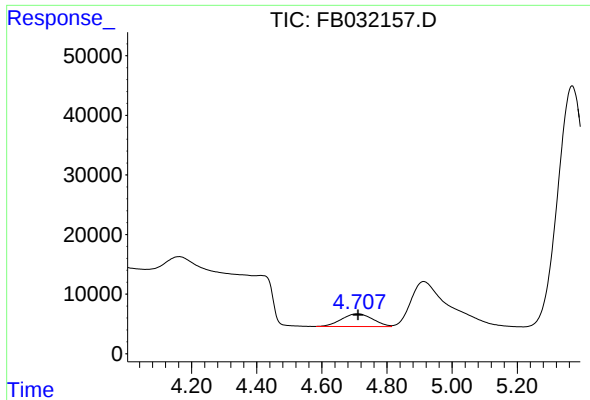
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/22/2025
Supervised By :mohammad ahmed 08/25/2025

Integration File: Calibration.e
Quant Time: Aug 21 10:52:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB082125.M
Quant Title :
QLast Update : Thu Aug 21 10:50:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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





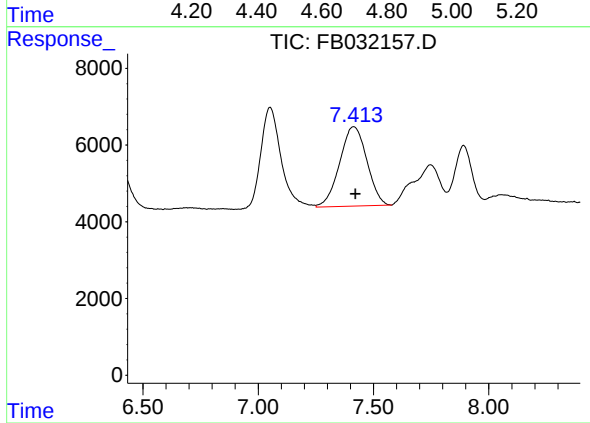
#1 2-Methylpentane

R.T.: 4.709 min
Delta R.T.: -0.002 min
Response: 142107
Conc: 6.24 ng/ml

Instrument :
FID_B
ClientSampleId :
5 GRO STD

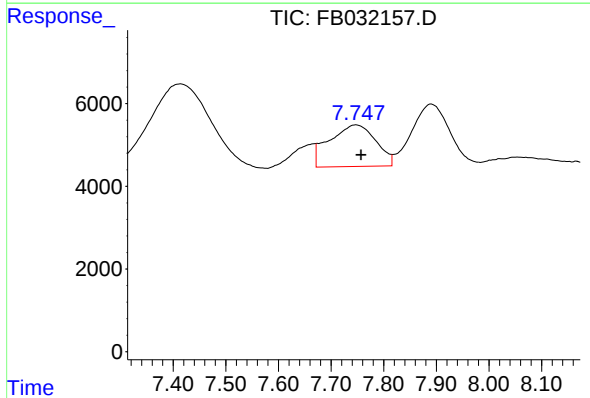
Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 08/25/2025



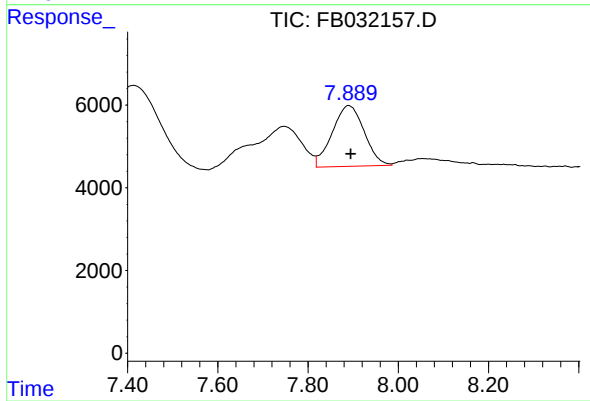
#2 2,2,4-Trimethylpentane

R.T.: 7.415 min
Delta R.T.: -0.007 min
Response: 170054
Conc: 6.64 ng/ml



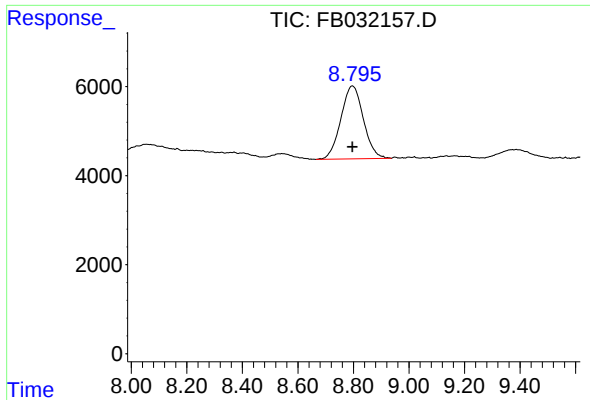
#3 n-Heptane

R.T.: 7.747 min
Delta R.T.: -0.010 min
Response: 61515
Conc: 2.69 ng/ml m



#4 Benzene

R.T.: 7.891 min
Delta R.T.: -0.004 min
Response: 72490
Conc: 2.28 ng/ml



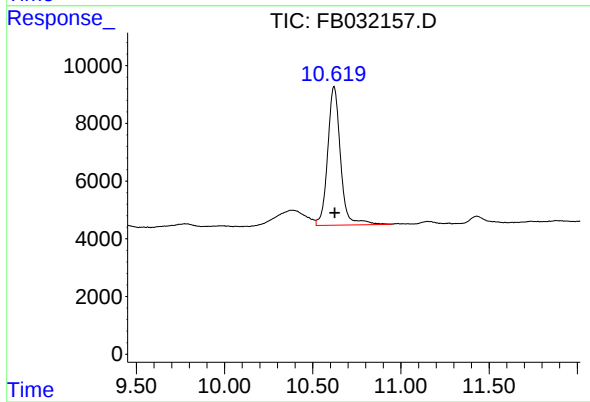
#5 AAA-TFT

R.T.: 8.796 min
Delta R.T.: 0.000 min
Response: 92233
Conc: 5.36 ng/ml

Instrument :
FID_B
ClientSampleId :
5 GRO STD

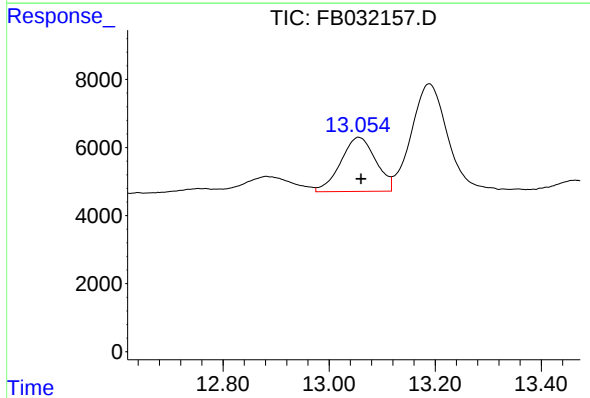
Manual Integrations
APPROVED

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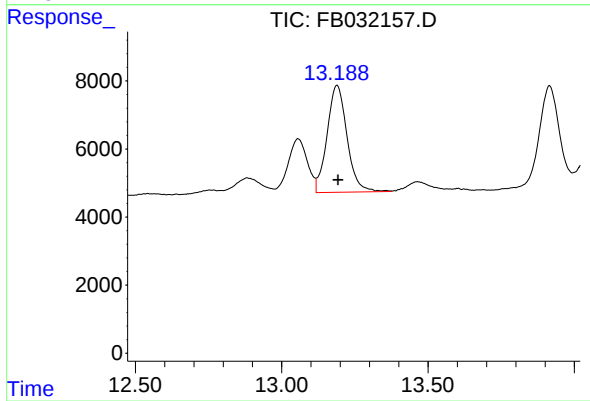
#6 Toluene

R.T.: 10.621 min
Delta R.T.: -0.004 min
Response: 243433
Conc: 7.42 ng/ml



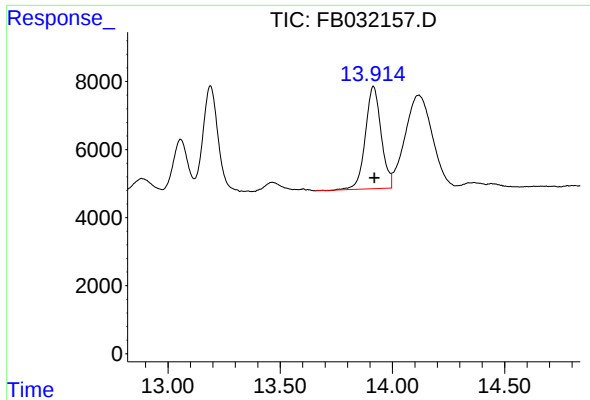
#7 Ethylbenzene

R.T.: 13.057 min
Delta R.T.: -0.003 min
Response: 72976
Conc: 2.51 ng/ml



#8 m-Xylene

R.T.: 13.189 min
Delta R.T.: -0.004 min
Response: 149236
Conc: 4.98 ng/ml



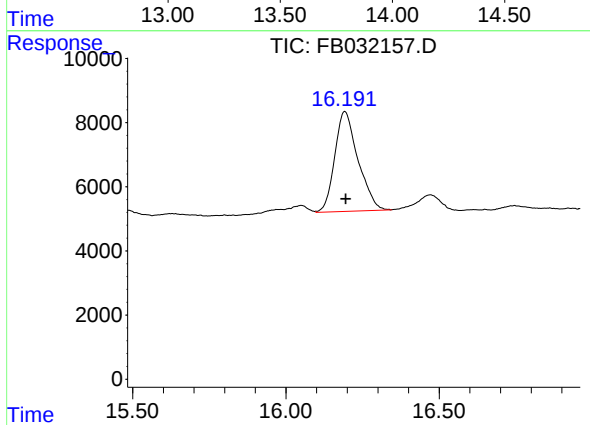
#9 O-Xylene

R.T.: 13.916 min
Delta R.T.: -0.005 min
Response: 147127
Conc: 5.15 ng/ml

Instrument :
FID_B
ClientSampleId :
5 GRO STD

Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 08/25/2025



#10 1,2,4-Trimethylbenzene

R.T.: 16.193 min
Delta R.T.: -0.003 min
Response: 164023
Conc: 6.31 ng/ml

rteres

Instrument :

FID_B

LabSampleId :

5 GRO STD

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/22/2025

Supervised By :mohammad ahmed 08/25/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB082125
Data File : FB032157.D
Signal(s) : FID2B.CH
Acq On : 21 Aug 2025 9:11
Sample : 5 GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB082125.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.709	4.582	4.814	BV	2143	142107	58.38%	9.995%
2	7.052	6.895	7.251	PV	2639	161762	66.45%	11.378%
3	7.415	7.251	7.579	VV	2072	170054	69.86%	11.961%
4	7.748	7.579	7.818	PV	1007	78787	32.36%	5.542%
5	8.796	8.665	8.937	PV	1640	92233	37.89%	6.487%
6	10.621	10.519	10.947	VV	4811	243433	100.00%	17.122%
7	13.057	12.975	13.118	VV	1589	72976	29.98%	5.133%
8	13.189	13.118	13.376	VV	3147	149236	61.30%	10.497%
9	13.916	13.660	13.996	PV	3015	147127	60.44%	10.348%
10	16.193	16.098	16.345	VV	3116	164023	67.38%	11.537%

Sum of corrected areas: 1421737

FB082125.M Fri Aug 22 07:28:32 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB082125\
 Data File : FB032158.D
 Signal(s) : FID2B.CH
 Acq On : 21 Aug 2025 9:39
 Operator : YP/AJ
 Sample : 10 GRO STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_B
 ClientSampleId :
 10 GRO STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/22/2025
 Supervised By :mohammad ahmed 08/25/2025

Integration File: Calibration.e
 Quant Time: Aug 21 10:03:19 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB082125.M
 Quant Title :
 QLast Update : Thu Aug 21 10:03:05 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	161978	9.003 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.708	257576	11.609 ng/mlm
2) t 2,2,4-Trimethylpentane	7.422	275852	10.801 ng/ml
3) t n-Heptane	7.757	83031	2.906 ng/ml
4) t Benzene	7.893	110691	3.468 ng/ml
6) t Toluene	10.623	366697	10.701 ng/ml
7) t Ethylbenzene	13.059	110733	3.616 ng/ml
8) t m-Xylene	13.191	228488	7.246 ng/ml
9) t O-Xylene	13.919	214216	7.002 ng/ml
10) t 1,2,4-Trimethylbenzene	16.194	192663	6.434 ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB082125\
Data File : FB032158.D
Signal(s) : FID2B.CH
Acq On : 21 Aug 2025 9:39
Operator : YP/AJ
Sample : 10 GRO STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

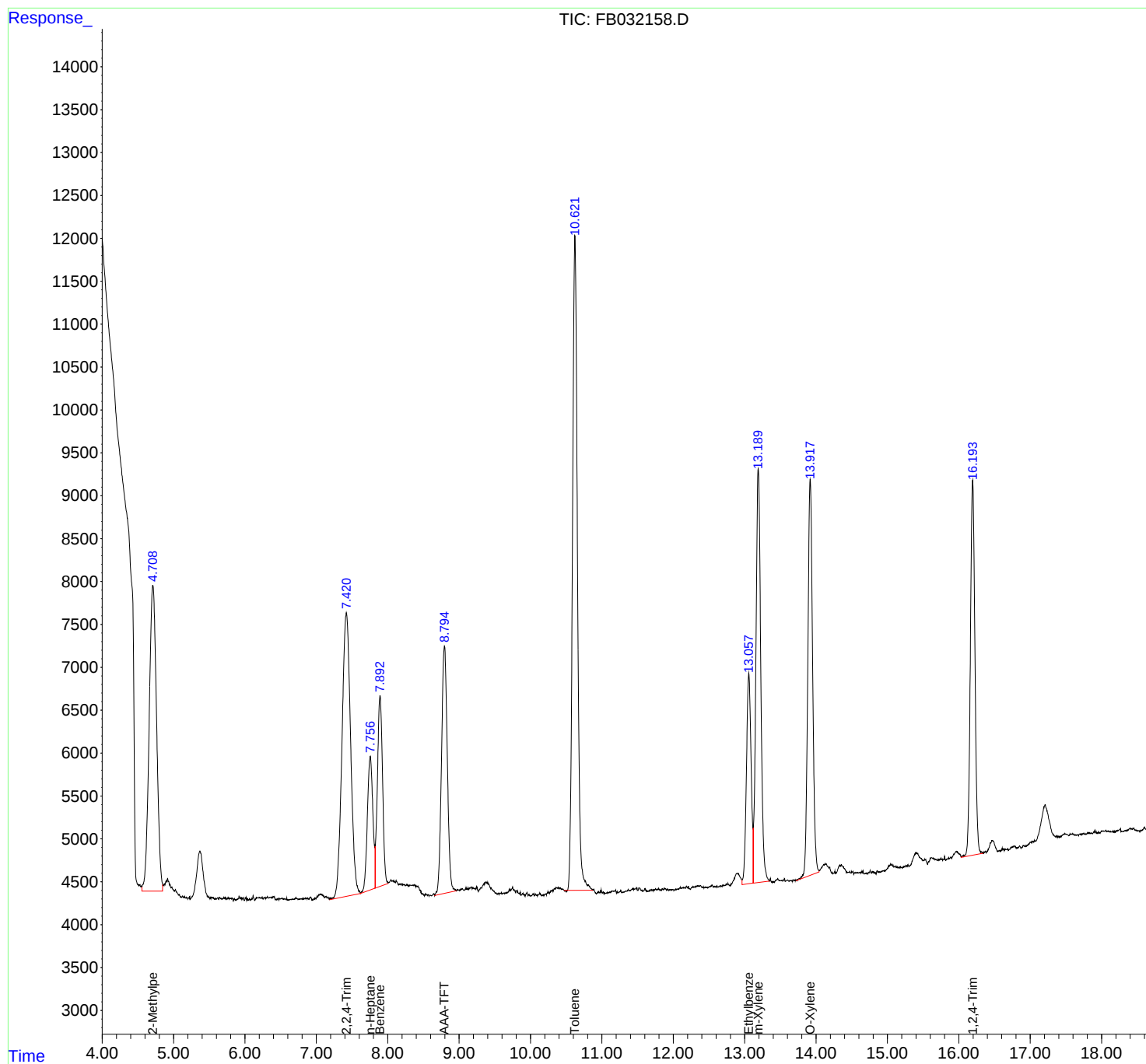
Instrument :
FID_B
ClientSampleId :
10 GRO STD

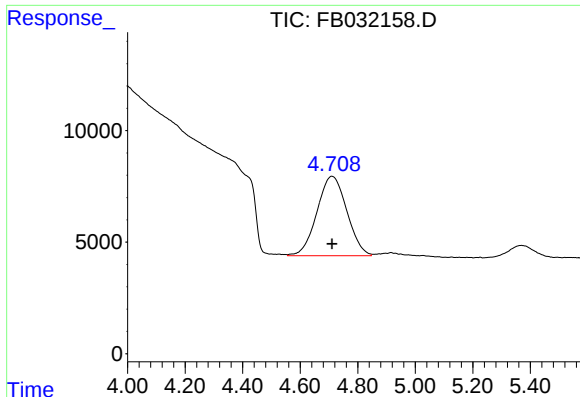
Manual Integrations
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Integration File: Calibration.e
Quant Time: Aug 21 10:03:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB082125.M
Quant Title :
QLast Update : Thu Aug 21 10:03:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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





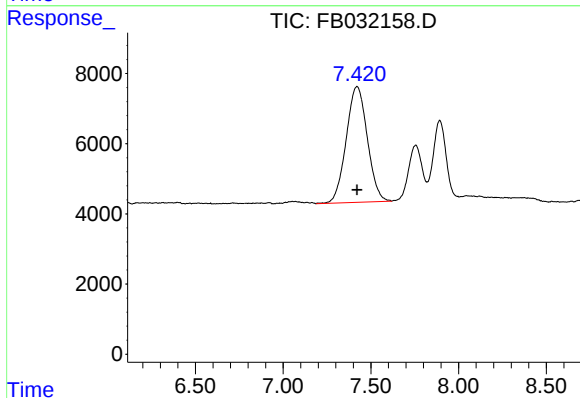
#1 2-Methylpentane

R.T.: 4.708 min
Delta R.T.: -0.003 min
Response: 257576
Conc: 11.61 ng/ml

Instrument :
FID_B
ClientSampleId :
10 GRO STD

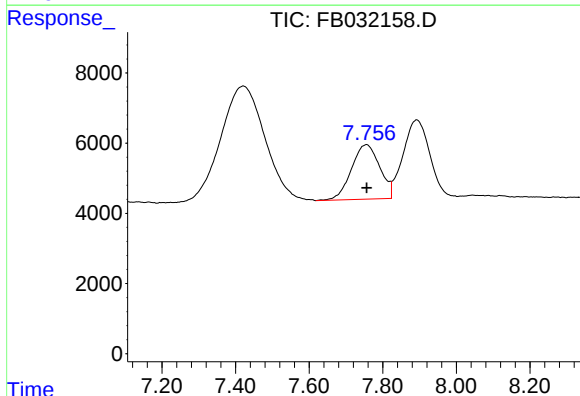
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/22/2025
Supervised By :mohammad ahmed 08/25/2025



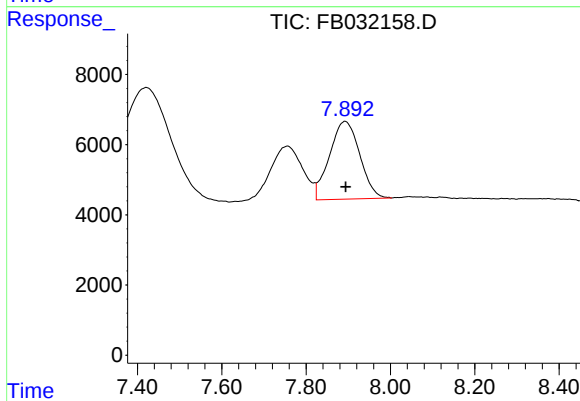
#2 2,2,4-Trimethylpentane

R.T.: 7.422 min
Delta R.T.: 0.000 min
Response: 275852
Conc: 10.80 ng/ml



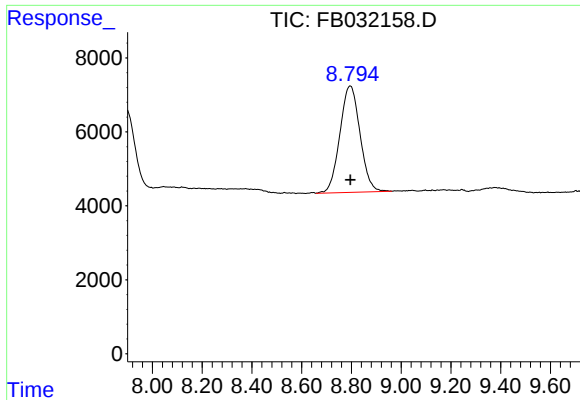
#3 n-Heptane

R.T.: 7.757 min
Delta R.T.: 0.000 min
Response: 83031
Conc: 2.91 ng/ml



#4 Benzene

R.T.: 7.893 min
Delta R.T.: -0.001 min
Response: 110691
Conc: 3.47 ng/ml



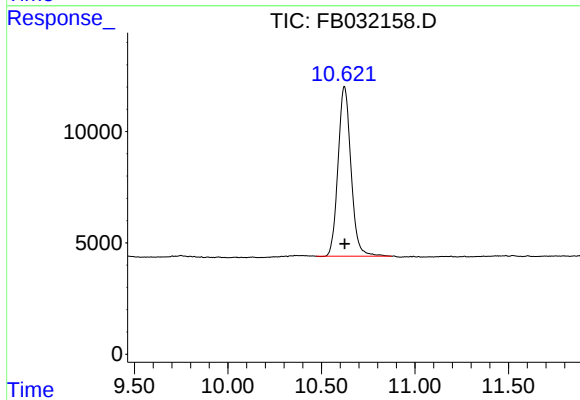
#5 AAA-TFT

R.T.: 8.796 min
Delta R.T.: 0.000 min
Response: 161978
Conc: 9.00 ng/ml

Instrument :
FID_B
ClientSampleId :
10 GRO STD

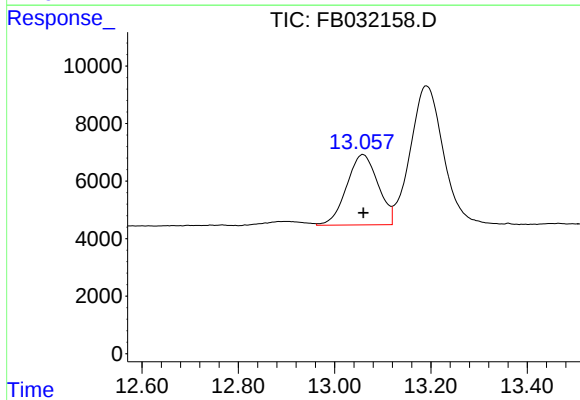
Manual Integrations
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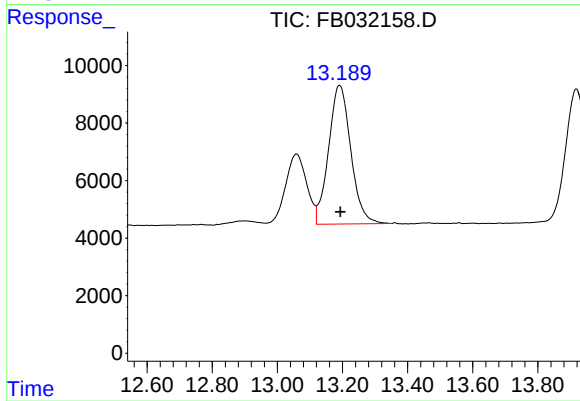
#6 Toluene

R.T.: 10.623 min
Delta R.T.: -0.002 min
Response: 366697
Conc: 10.70 ng/ml



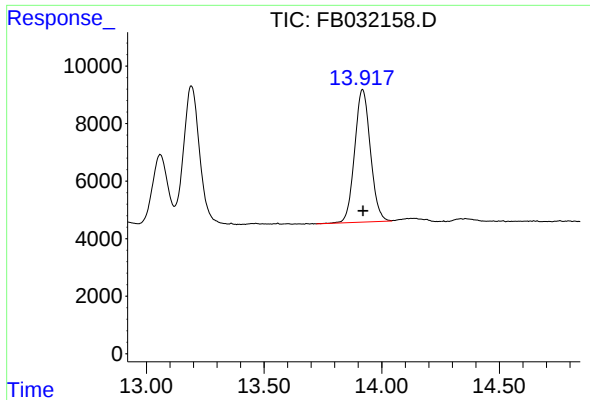
#7 Ethylbenzene

R.T.: 13.059 min
Delta R.T.: 0.000 min
Response: 110733
Conc: 3.62 ng/ml



#8 m-Xylene

R.T.: 13.191 min
Delta R.T.: -0.002 min
Response: 228488
Conc: 7.25 ng/ml



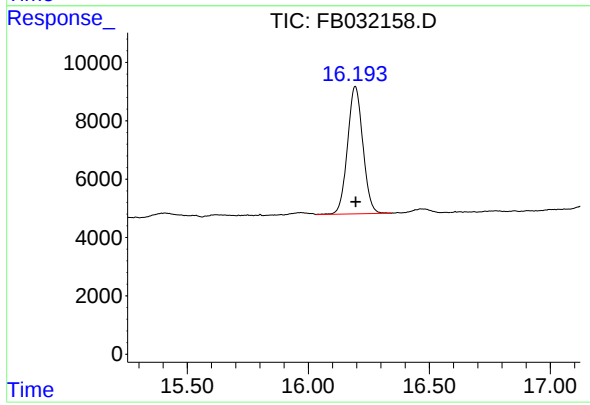
#9 O-Xylene

R.T.: 13.919 min
Delta R.T.: -0.002 min
Response: 214216
Conc: 7.00 ng/ml

Instrument :
FID_B
ClientSampleId :
10 GRO STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/22/2025
Supervised By :mohammad ahmed 08/25/2025



#10 1,2,4-Trimethylbenzene

R.T.: 16.194 min
Delta R.T.: -0.001 min
Response: 192663
Conc: 6.43 ng/ml

rteres

Instrument :

FID_B

LabSampleId :

10 GRO STD

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/22/2025

Supervised By :mohammad ahmed 08/25/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB082125
Data File : FB032158.D
Signal(s) : FID2B.CH
Acq On : 21 Aug 2025 9:39
Sample : 10 GRO STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB082125.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.710	4.557	4.852	BV	3508	247392	67.46%	12.421%
2	7.422	7.188	7.618	PV	3303	275852	75.23%	13.850%
3	7.757	7.618	7.824	PV	1556	83031	22.64%	4.169%
4	7.893	7.824	8.004	VV	2221	110691	30.19%	5.557%
5	8.796	8.658	8.963	PV	2880	161978	44.17%	8.132%
6	10.623	10.471	10.875	BV	7635	366697	100.00%	18.411%
7	13.059	12.962	13.120	VV	2449	110733	30.20%	5.560%
8	13.191	13.120	13.352	VV	4819	228488	62.31%	11.472%
9	13.919	13.722	14.043	PV	4611	214216	58.42%	10.755%
10	16.194	16.032	16.344	VV	4371	192663	52.54%	9.673%

Sum of corrected areas: 1991742

FB082125.M Fri Aug 22 07:18:29 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB082125\
 Data File : FB032159.D
 Signal(s) : FID2B.CH
 Acq On : 21 Aug 2025 10:07
 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: Aug 21 10:00:57 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB082125.M
 Quant Title :
 QLast Update : Thu Aug 21 10:00:25 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	350706	20.000 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.711	762805	30.000 ng/ml
2) t 2,2,4-Trimethylpentane	7.422	852119	30.000 ng/ml
3) t n-Heptane	7.757	256281	10.000 ng/ml
4) t Benzene	7.894	348429	10.000 ng/ml
6) t Toluene	10.625	1082268	30.000 ng/ml
7) t Ethylbenzene	13.060	320506	10.000 ng/ml
8) t m-Xylene	13.193	664306	20.000 ng/ml
9) t O-Xylene	13.921	635251	20.000 ng/ml
10) t 1,2,4-Trimethylbenzene	16.195	541650	20.000 ng/ml

(f)=RT Delta > 1/2 Window

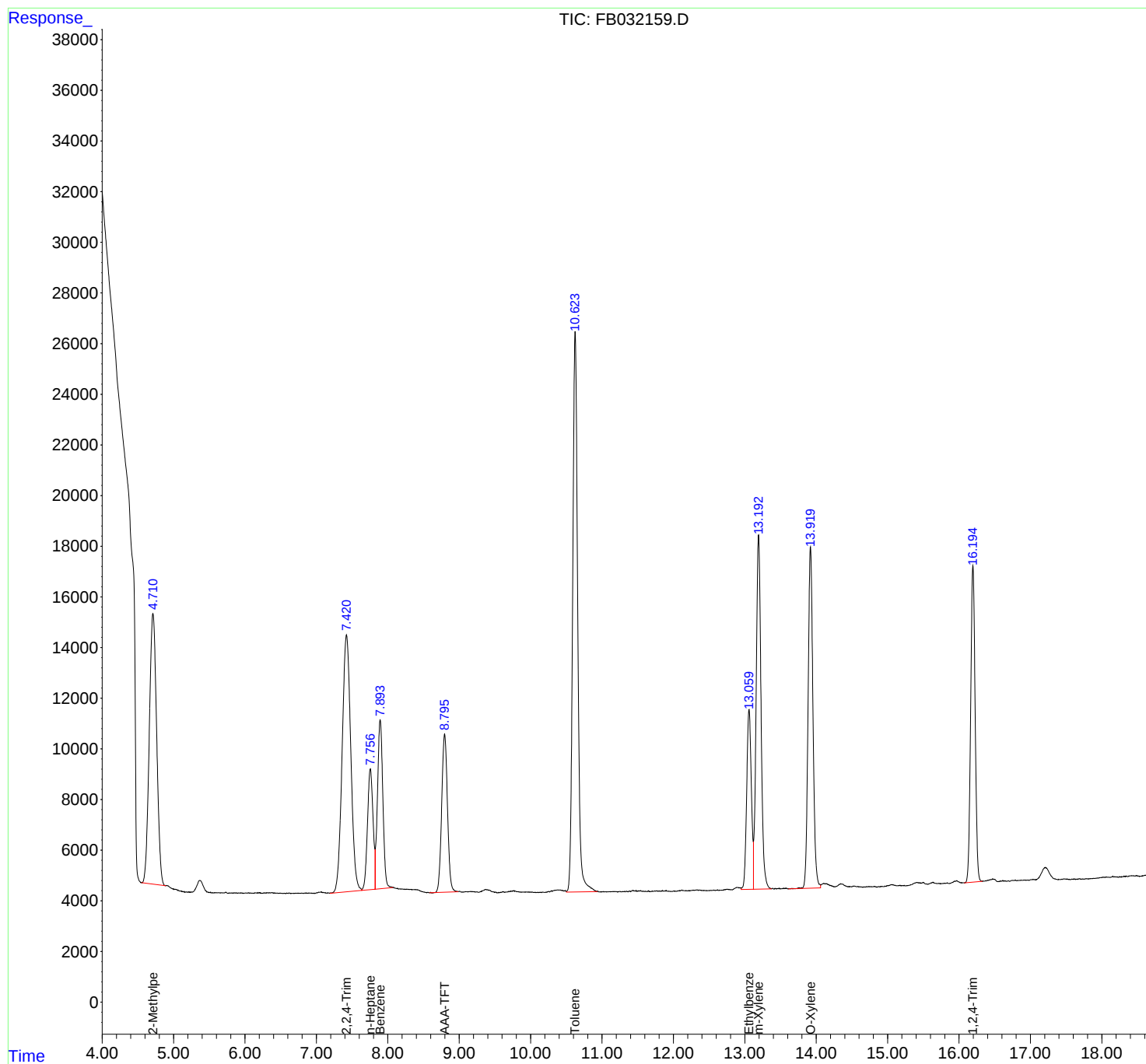
(m)=manual int.

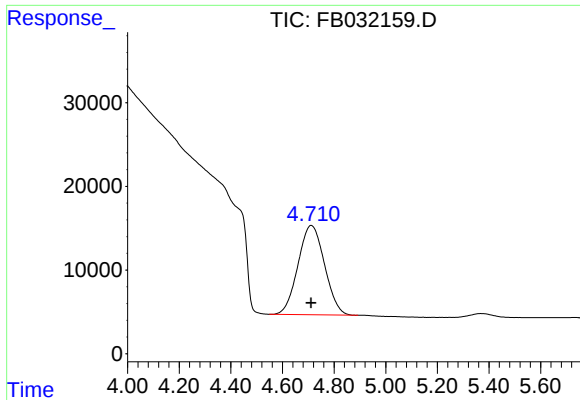
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB082125\
Data File : FB032159.D
Signal(s) : FID2B.CH
Acq On : 21 Aug 2025 10:07
Operator : YP/AJ
Sample : 20 GRO STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 GRO STD

Integration File: Calibration.e
Quant Time: Aug 21 10:00:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB082125.M
Quant Title :
QLast Update : Thu Aug 21 10:00:25 2025
Response via : Initial Calibration
Integrator: ChemStation

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

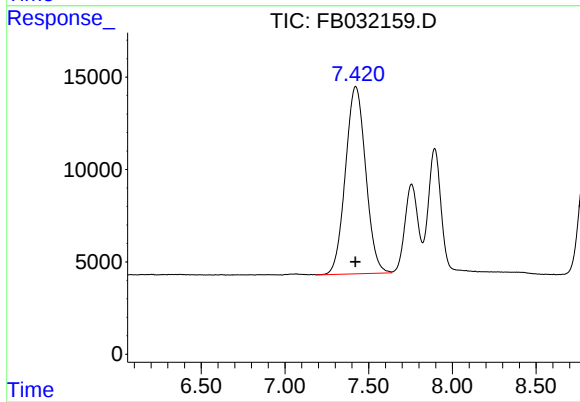




#1 2-Methylpentane

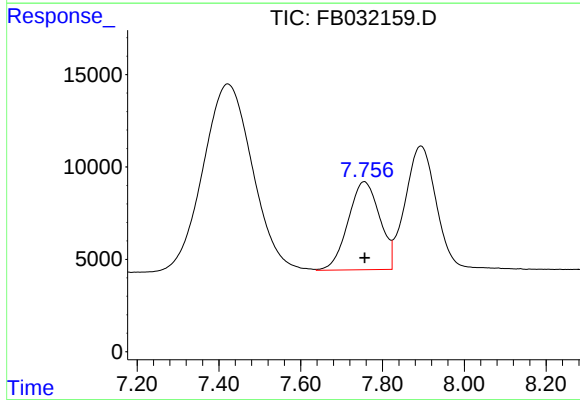
R.T.: 4.711 min
Delta R.T.: 0.000 min
Response: 762805
Conc: 30.00 ng/ml

Instrument :
FID_B
ClientSampleId :
20 GRO STD



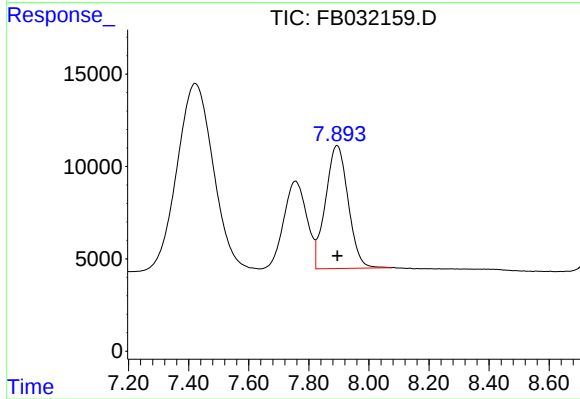
#2 2,2,4-Trimethylpentane

R.T.: 7.422 min
Delta R.T.: 0.000 min
Response: 852119
Conc: 30.00 ng/ml



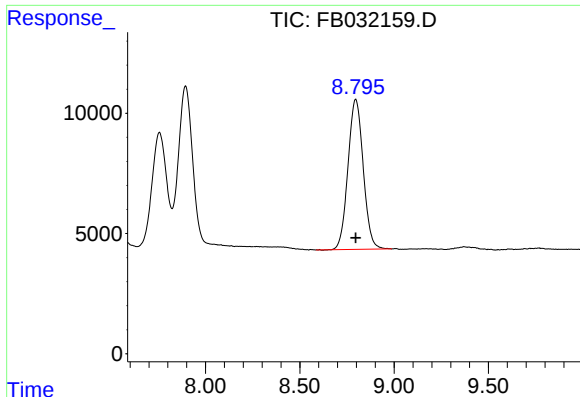
#3 n-Heptane

R.T.: 7.757 min
Delta R.T.: 0.000 min
Response: 256281
Conc: 10.00 ng/ml



#4 Benzene

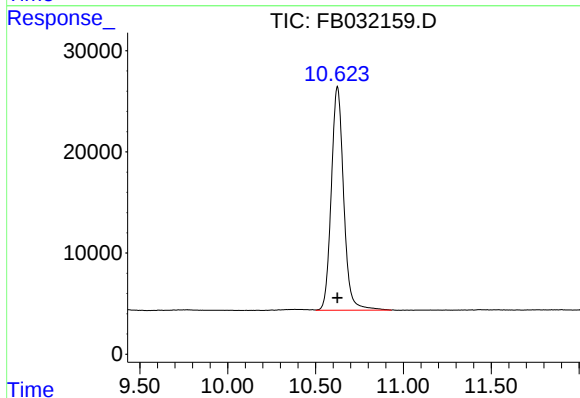
R.T.: 7.894 min
Delta R.T.: 0.000 min
Response: 348429
Conc: 10.00 ng/ml



#5 AAA-TFT

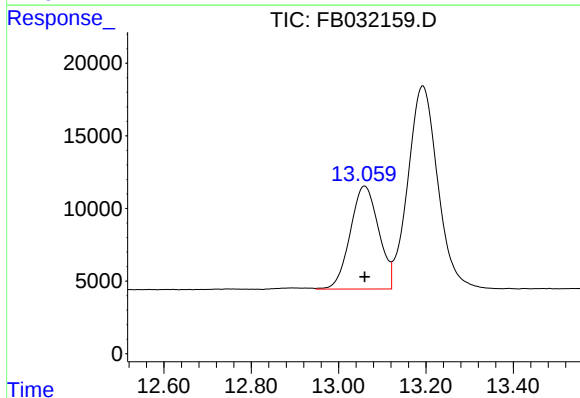
R.T.: 8.797 min
Delta R.T.: 0.000 min
Response: 350706
Conc: 20.00 ng/ml

Instrument :
FID_B
ClientSampleId :
20 GRO STD



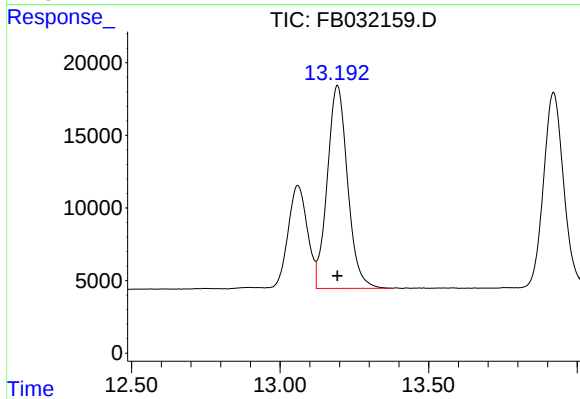
#6 Toluene

R.T.: 10.625 min
Delta R.T.: 0.000 min
Response: 1082268
Conc: 30.00 ng/ml



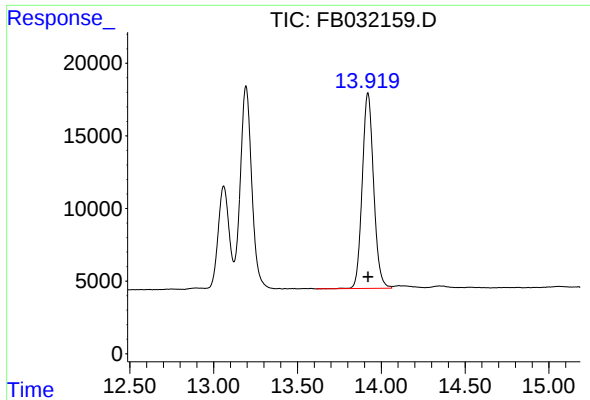
#7 Ethylbenzene

R.T.: 13.060 min
Delta R.T.: 0.000 min
Response: 320506
Conc: 10.00 ng/ml



#8 m-Xylene

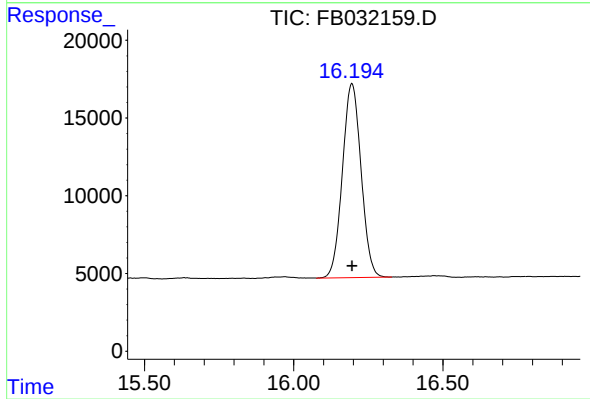
R.T.: 13.193 min
Delta R.T.: 0.000 min
Response: 664306
Conc: 20.00 ng/ml



#9 O-Xylene

R.T.: 13.921 min
Delta R.T.: 0.000 min
Response: 635251
Conc: 20.00 ng/ml

Instrument :
FID_B
ClientSampleId :
20 GRO STD



#10 1,2,4-Trimethylbenzene

R.T.: 16.195 min
Delta R.T.: 0.000 min
Response: 541650
Conc: 20.00 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB082125\
Data File : FB032159.D
Signal(s) : FID2B.CH
Acq On : 21 Aug 2025 10:07
Sample : 20 GRO STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB082125.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.711	4.548	4.893	BV	10682	762805	70.48%	13.119%
2	7.422	7.187	7.638	PV	10149	852119	78.73%	14.656%
3	7.757	7.638	7.823	VV	4772	256281	23.68%	4.408%
4	7.894	7.823	8.075	VV	6663	348429	32.19%	5.993%
5	8.797	8.587	8.988	BV	6246	350706	32.40%	6.032%
6	10.625	10.503	10.933	VV	22116	1082268	100.00%	18.614%
7	13.060	12.948	13.121	VV	7103	320506	29.61%	5.512%
8	13.193	13.121	13.376	VV	13990	664306	61.38%	11.425%
9	13.921	13.611	14.062	BV	13474	635251	58.70%	10.926%
10	16.195	16.075	16.329	PV	12495	541650	50.05%	9.316%

Sum of corrected areas: 5814320

FB082125.M Fri Aug 22 07:17:00 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB082125\
 Data File : FB032160.D
 Signal(s) : FID2B.CH
 Acq On : 21 Aug 2025 10:34
 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: Aug 21 10:22:23 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB082125.M
 Quant Title :
 QLast Update : Thu Aug 21 10:05:43 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
5) s AAA-TFT	8.795	846895	48.691 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.710	2025057	99.810 ng/ml
2) t 2,2,4-Trimethylpentane	7.424	2191055	94.621 ng/ml
3) t n-Heptane	7.755	699948	36.171 ng/ml
4) t Benzene	7.893	918510	32.050 ng/ml
6) t Toluene	10.624	2680872	86.499 ng/ml
7) t Ethylbenzene	13.060	782629	28.156 ng/ml
8) t m-Xylene	13.193	1619157	56.541 ng/ml
9) t O-Xylene	13.921	1537073	55.819 ng/ml
10) t 1,2,4-Trimethylbenzene	16.196	1298879	49.229 ng/ml

(f)=RT Delta > 1/2 Window

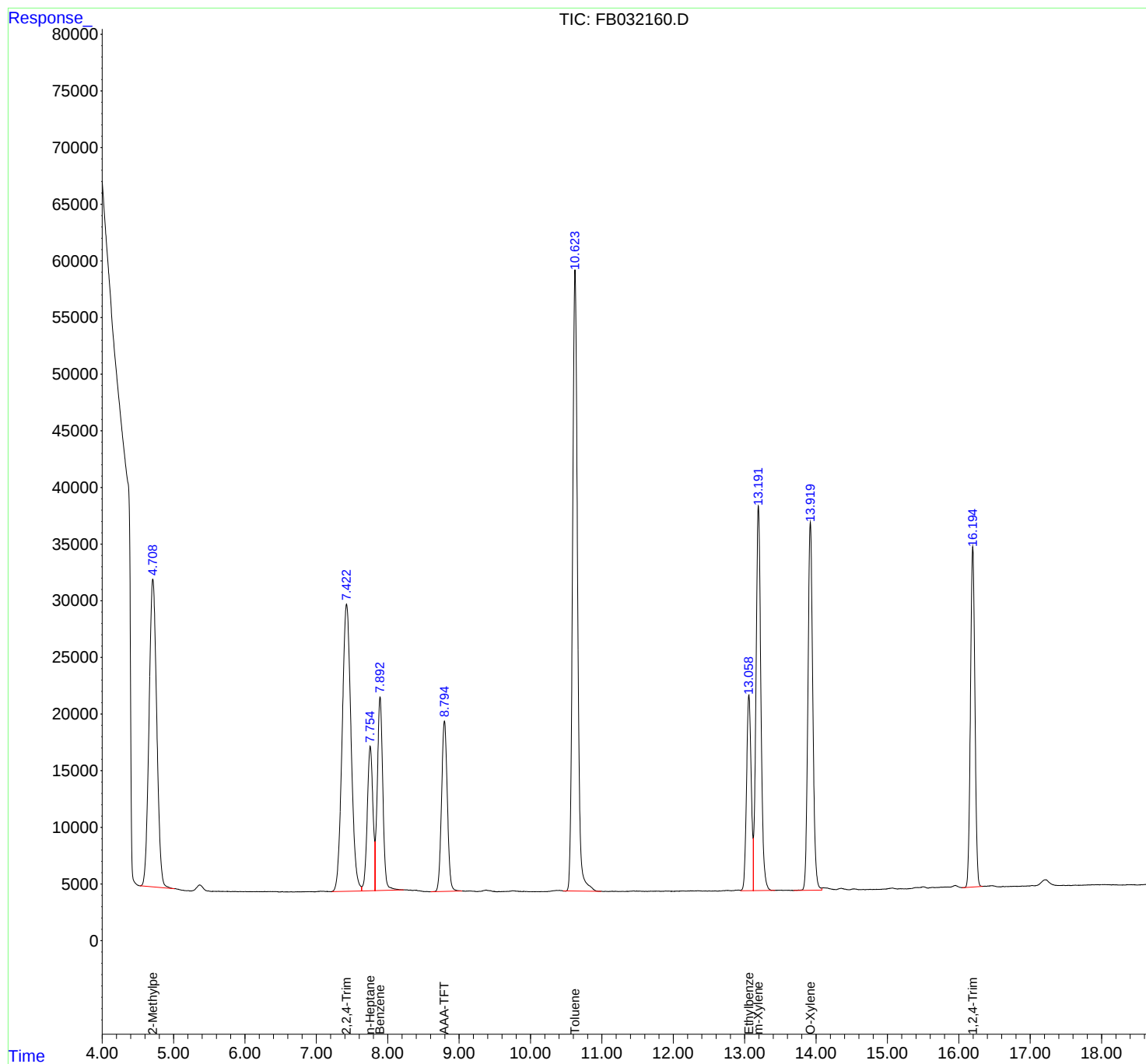
(m)=manual int.

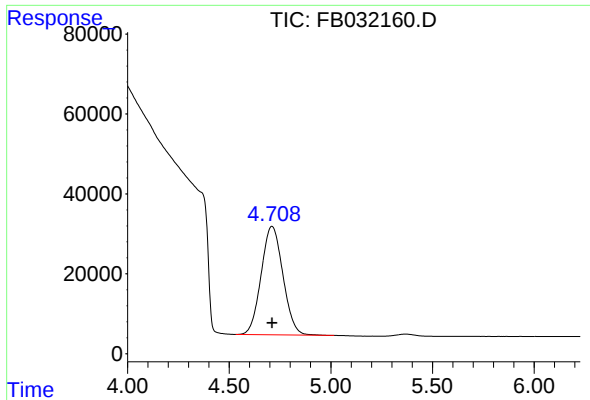
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB082125\
Data File : FB032160.D
Signal(s) : FID2B.CH
Acq On : 21 Aug 2025 10:34
Operator : YP/AJ
Sample : 50 GRO STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
50 GRO STD

Integration File: Calibration.e
Quant Time: Aug 21 10:22:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB082125.M
Quant Title :
QLast Update : Thu Aug 21 10:05:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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

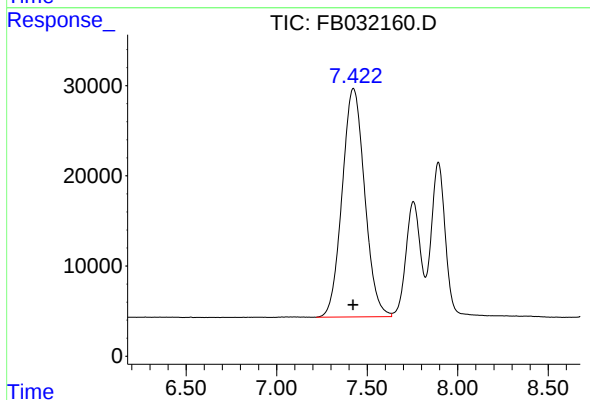




#1 2-Methylpentane

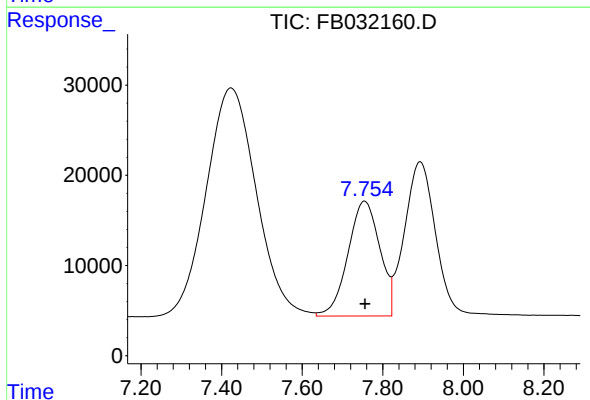
R.T.: 4.710 min
Delta R.T.: -0.001 min
Response: 2025057
Conc: 99.81 ng/ml

Instrument :
FID_B
ClientSampleId :
50 GRO STD



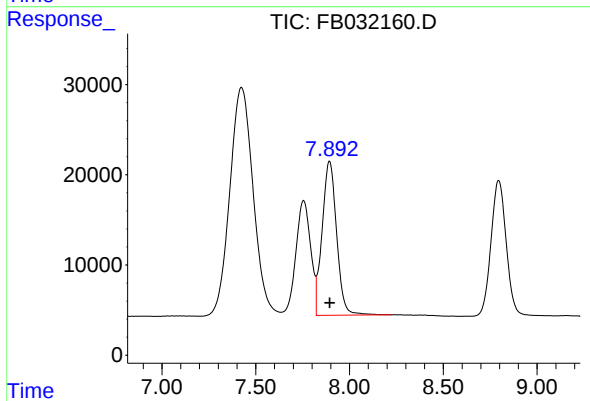
#2 2,2,4-Trimethylpentane

R.T.: 7.424 min
Delta R.T.: 0.002 min
Response: 2191055
Conc: 94.62 ng/ml



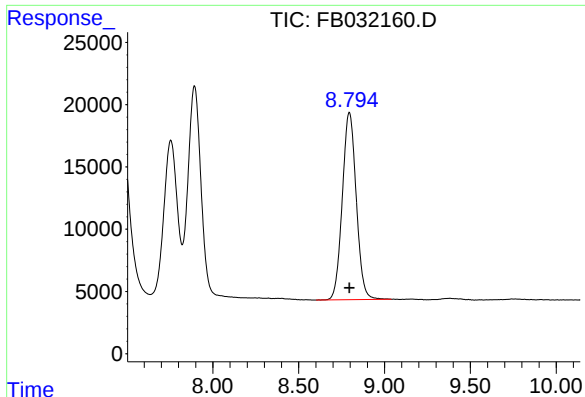
#3 n-Heptane

R.T.: 7.755 min
Delta R.T.: -0.001 min
Response: 699948
Conc: 36.17 ng/ml



#4 Benzene

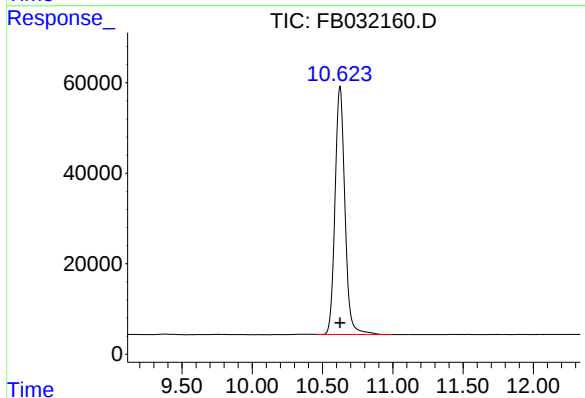
R.T.: 7.893 min
Delta R.T.: -0.001 min
Response: 918510
Conc: 32.05 ng/ml



#5 AAA-TFT

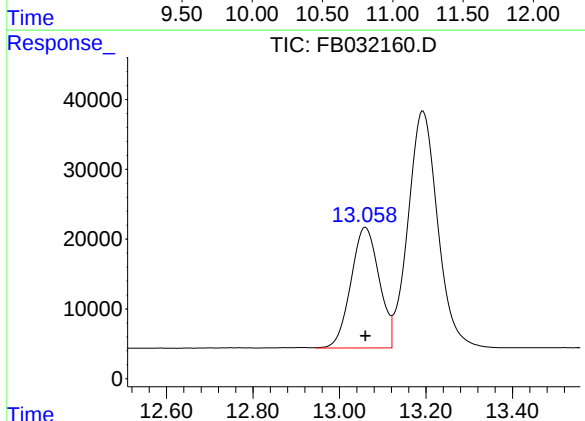
R.T.: 8.795 min
Delta R.T.: -0.001 min
Response: 846895
Conc: 48.69 ng/ml

Instrument :
FID_B
ClientSampleId :
50 GRO STD



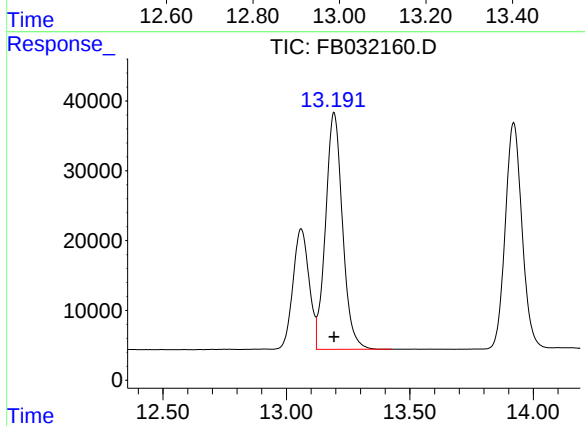
#6 Toluene

R.T.: 10.624 min
Delta R.T.: 0.000 min
Response: 2680872
Conc: 86.50 ng/ml



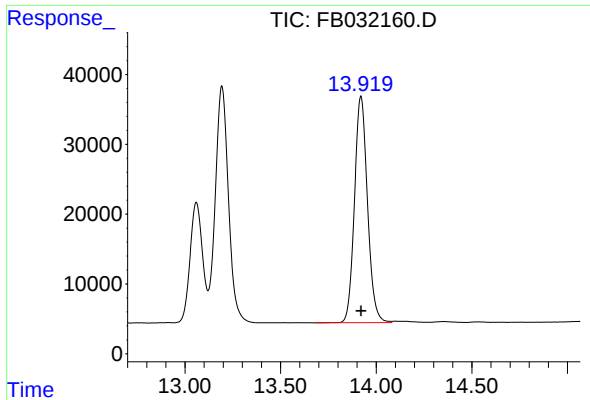
#7 Ethylbenzene

R.T.: 13.060 min
Delta R.T.: 0.000 min
Response: 782629
Conc: 28.16 ng/ml



#8 m-Xylene

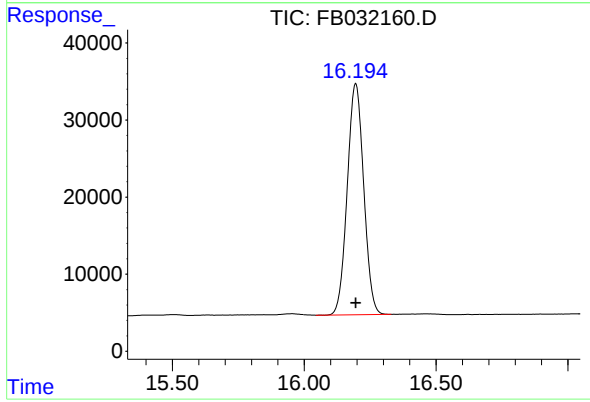
R.T.: 13.193 min
Delta R.T.: 0.000 min
Response: 1619157
Conc: 56.54 ng/ml



#9 O-Xylene

R.T.: 13.921 min
Delta R.T.: 0.000 min
Response: 1537073
Conc: 55.82 ng/ml

Instrument :
FID_B
ClientSampleId :
50 GRO STD



#10 1,2,4-Trimethylbenzene

R.T.: 16.196 min
Delta R.T.: 0.000 min
Response: 1298879
Conc: 49.23 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB082125\
Data File : FB032160.D
Signal(s) : FID2B.CH
Acq On : 21 Aug 2025 10:34
Sample : 50 GRO STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB082125.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.710	4.532	5.016	BV	27170	2025057	75.54%	13.870%
2	7.424	7.218	7.635	PV	25351	2191055	81.73%	15.007%
3	7.755	7.635	7.822	VV	12752	699948	26.11%	4.794%
4	7.893	7.822	8.225	VV	17090	918510	34.26%	6.291%
5	8.795	8.601	9.041	BV	15038	846895	31.59%	5.801%
6	10.624	10.455	10.992	BV	54809	2680872	100.00%	18.362%
7	13.060	12.946	13.121	VV	17290	782629	29.19%	5.360%
8	13.193	13.121	13.427	VB	33952	1619157	60.40%	11.090%
9	13.921	13.686	14.081	BV	32456	1537073	57.33%	10.528%
10	16.196	16.043	16.330	PV	30032	1298879	48.45%	8.896%

Sum of corrected areas: 14600075

FB082125.M Fri Aug 22 07:19:06 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB082125\
 Data File : FB032161.D
 Signal(s) : FID2B.CH
 Acq On : 21 Aug 2025 11:02
 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 08/22/2025
 Supervised By :mohammad ahmed 08/25/2025

Integration File: Calibration.e
 Quant Time: Aug 21 10:49:49 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB082125.M
 Quant Title :
 QLast Update : Thu Aug 21 10:25:08 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
5) s AAA-TFT	8.795	1693084	97.983 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.706	3888384	177.010 ng/mlm
2) t 2,2,4-Trimethylpentane	7.425	4397128	178.234 ng/ml
3) t n-Heptane	7.754	1411682	65.621 ng/ml
4) t Benzene	7.893	1820606	59.343 ng/ml
6) t Toluene	10.625	5290555	164.399 ng/ml
7) t Ethylbenzene	13.061	1524800	53.179 ng/ml
8) t m-Xylene	13.194	3140184	106.182 ng/ml
9) t O-Xylene	13.922	2958275	104.393 ng/ml
10) t 1,2,4-Trimethylbenzene	16.197	2484051	94.513 ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB082125\
Data File : FB032161.D
Signal(s) : FID2B.CH
Acq On : 21 Aug 2025 11:02
Operator : YP/AJ
Sample : 100 GRO STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

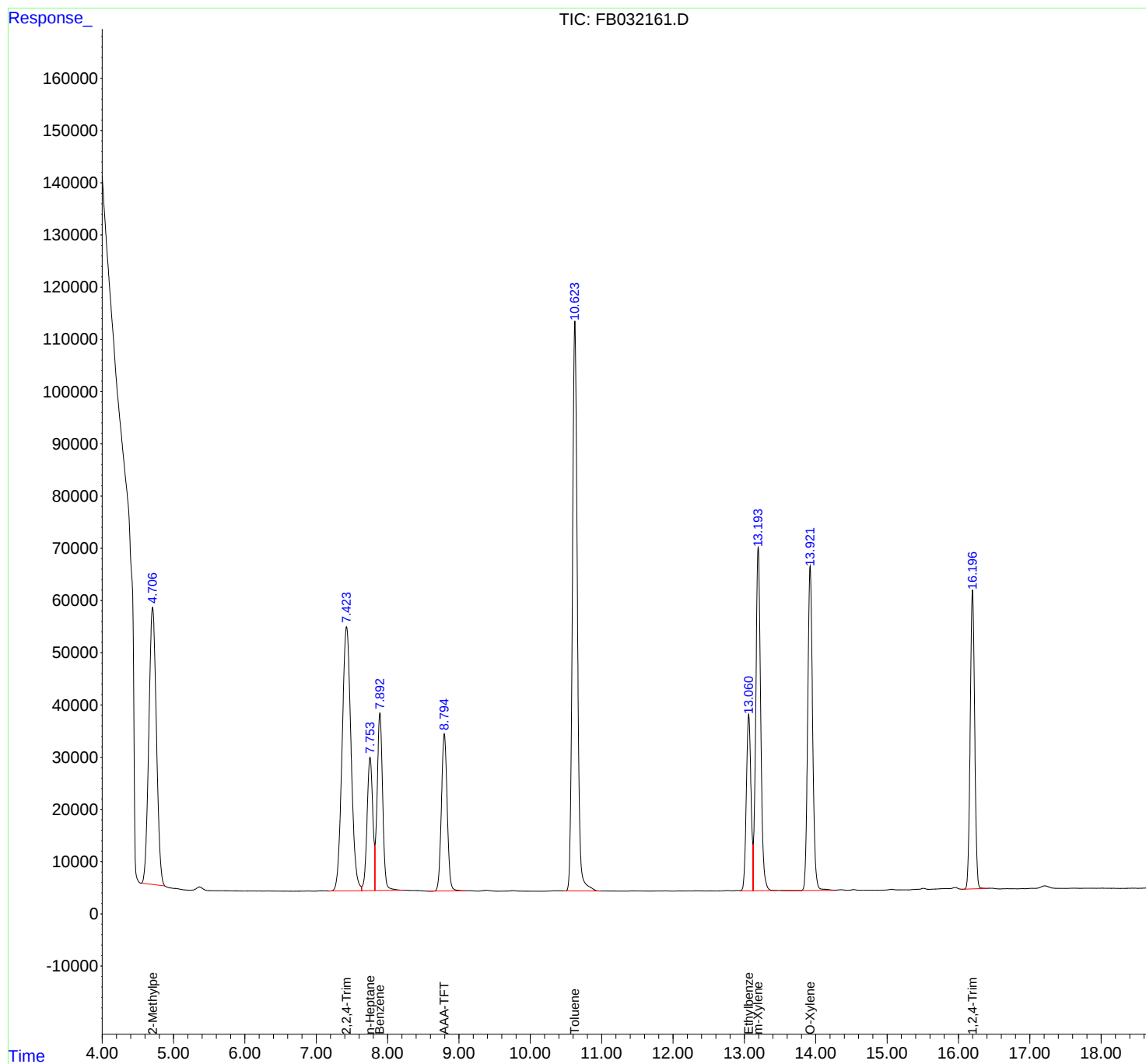
Instrument :
FID_B
ClientSampleId :
100 GRO STD

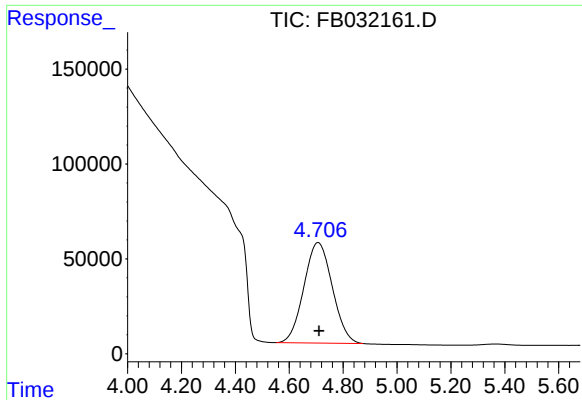
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/22/2025
Supervised By :mohammad ahmed 08/25/2025

Integration File: Calibration.e
Quant Time: Aug 21 10:49:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB082125.M
Quant Title :
QLast Update : Thu Aug 21 10:25:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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





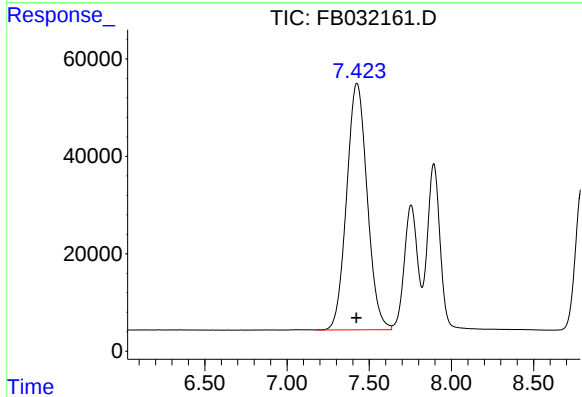
#1 2-Methylpentane

R.T.: 4.706 min
Delta R.T.: -0.005 min
Response: 3888384
Conc: 177.01 ng/ml

Instrument :
FID_B
ClientSampleId :
100 GRO STD

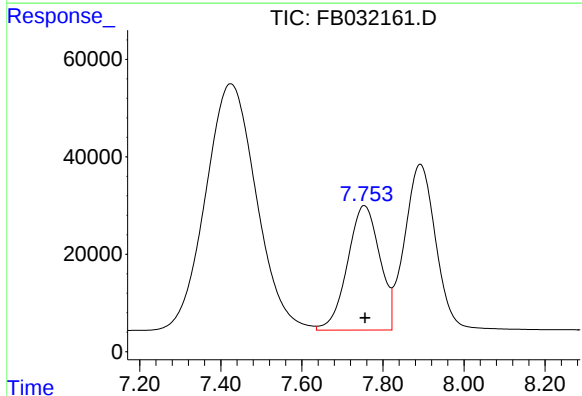
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/22/2025
Supervised By :mohammad ahmed 08/25/2025



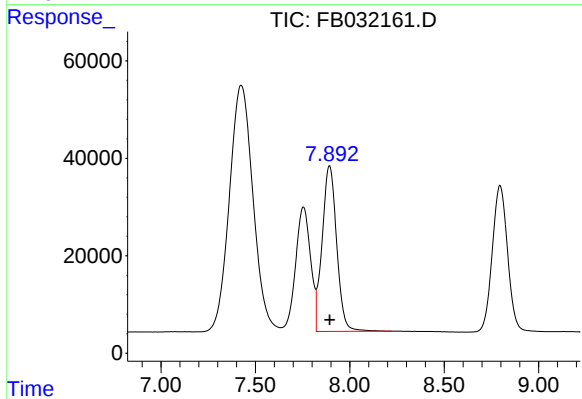
#2 2,2,4-Trimethylpentane

R.T.: 7.425 min
Delta R.T.: 0.003 min
Response: 4397128
Conc: 178.23 ng/ml



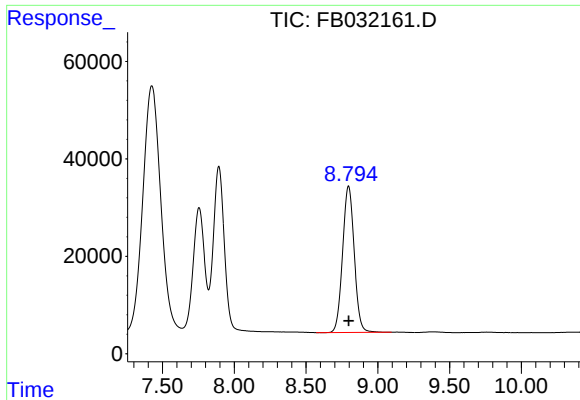
#3 n-Heptane

R.T.: 7.754 min
Delta R.T.: -0.003 min
Response: 1411682
Conc: 65.62 ng/ml



#4 Benzene

R.T.: 7.893 min
Delta R.T.: -0.002 min
Response: 1820606
Conc: 59.34 ng/ml



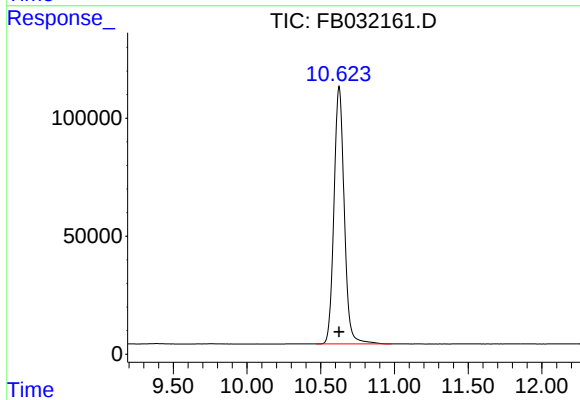
#5 AAA-TFT

R.T.: 8.795 min
Delta R.T.: -0.001 min
Response: 1693084
Conc: 97.98 ng/ml

Instrument :
FID_B
ClientSampleId :
100 GRO STD

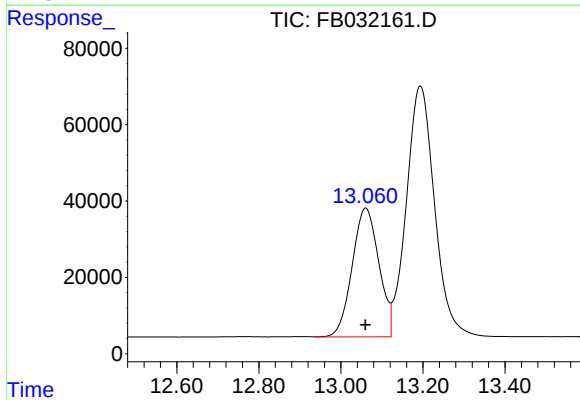
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/22/2025
Supervised By :mohammad ahmed 08/25/2025



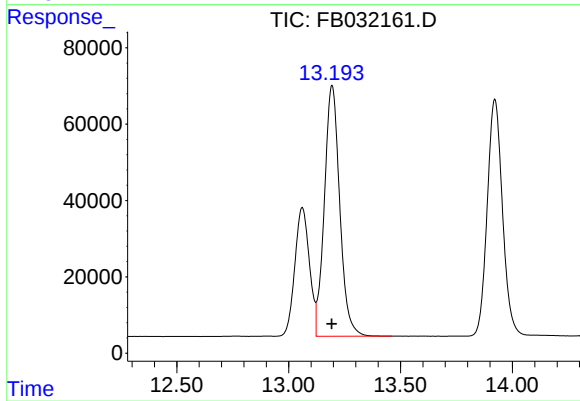
#6 Toluene

R.T.: 10.625 min
Delta R.T.: 0.000 min
Response: 5290555
Conc: 164.40 ng/ml



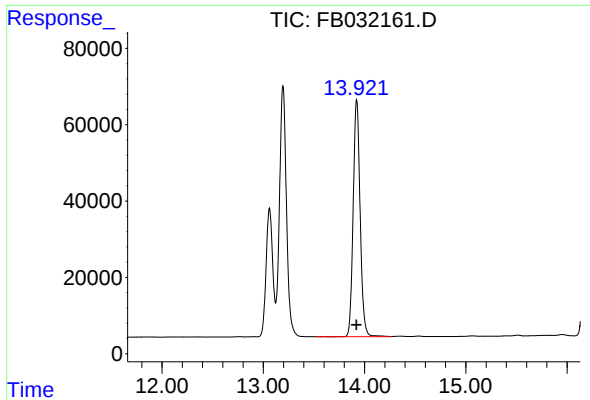
#7 Ethylbenzene

R.T.: 13.061 min
Delta R.T.: 0.001 min
Response: 1524800
Conc: 53.18 ng/ml



#8 m-Xylene

R.T.: 13.194 min
Delta R.T.: 0.001 min
Response: 3140184
Conc: 106.18 ng/ml



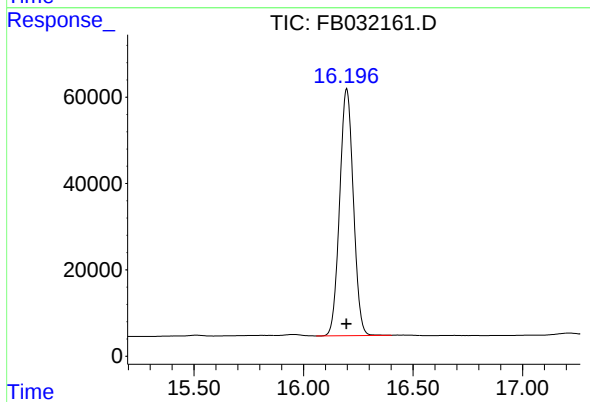
#9 O-Xylene

R.T.: 13.922 min
Delta R.T.: 0.001 min
Response: 2958275
Conc: 104.39 ng/ml

Instrument :
FID_B
ClientSampleId :
100 GRO STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/22/2025
Supervised By :mohammad ahmed 08/25/2025



#10 1,2,4-Trimethylbenzene

R.T.: 16.197 min
Delta R.T.: 0.002 min
Response: 2484051
Conc: 94.51 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB082125\
 Data File : FB032162.D
 Signal(s) : FID2B.CH
 Acq On : 21 Aug 2025 12:18
 Operator : YP/AJ
 Sample : FB082125GROICV
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 FID_B
 ClientSampleId :
 FB082125GROICV

Integration File: Calibration.e
 Quant Time: Aug 22 06:58:11 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB082125.M
 Quant Title :
 QLast Update : Thu Aug 21 10:58:34 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
5) s AAA-TFT	8.795	345910	20.100 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.710	748582	32.698 ng/ml
2) t 2,2,4-Trimethylpentane	7.422	886911	34.646 ng/ml
3) t n-Heptane	7.754	271859	11.045 ng/ml
4) t Benzene	7.892	357244	11.225 ng/ml
6) t Toluene	10.623	1085489	33.095 ng/ml
7) t Ethylbenzene	13.060	327331	11.273 ng/ml
8) t m-Xylene	13.192	679905	22.709 ng/ml
9) t O-Xylene	13.920	653000	22.843 ng/ml
10) t 1,2,4-Trimethylbenzene	16.195	584441	22.483 ng/ml

(f)=RT Delta > 1/2 Window

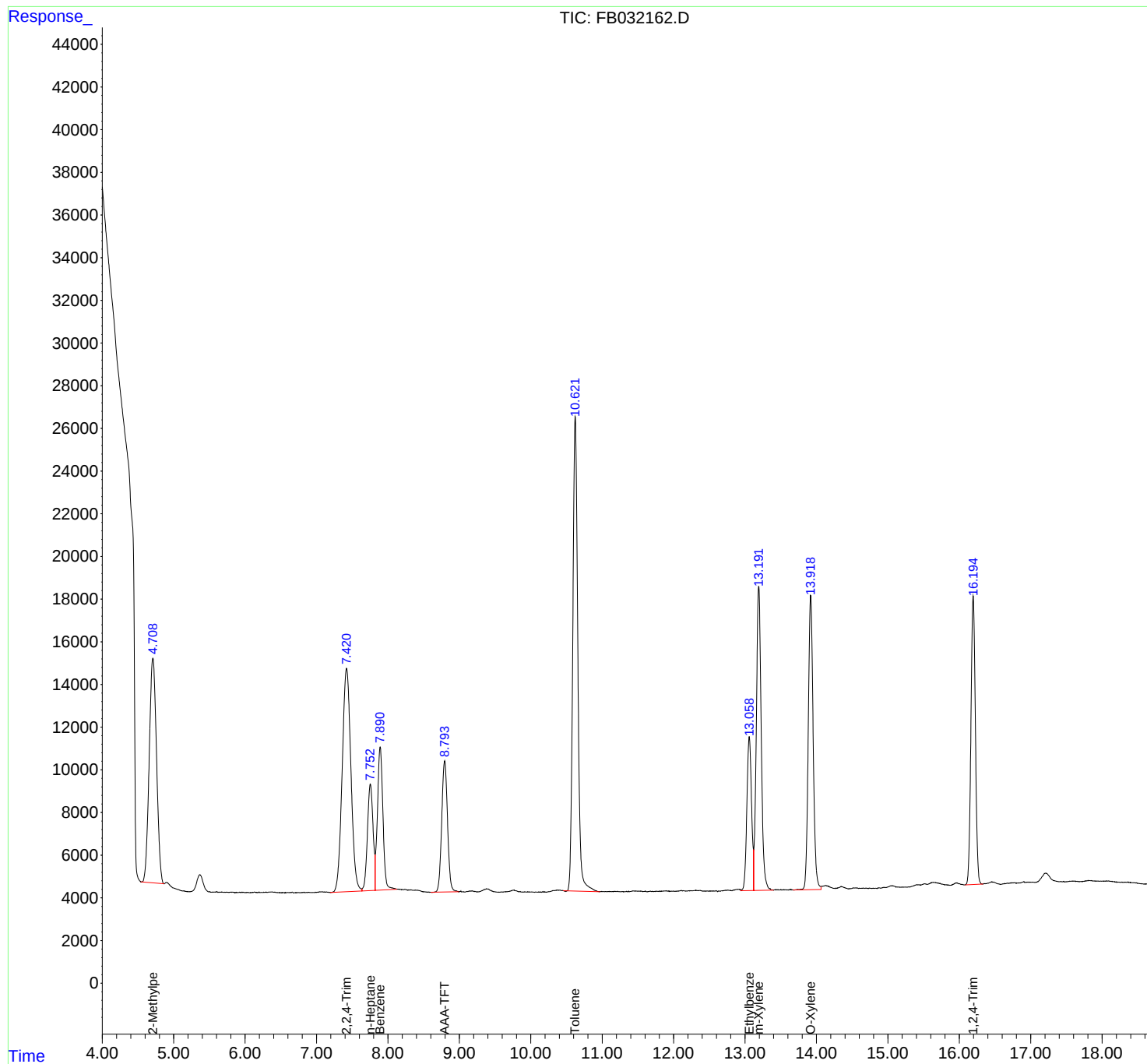
(m)=manual int.

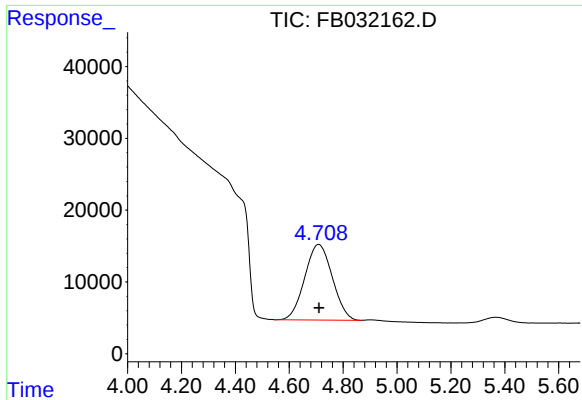
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB082125\
Data File : FB032162.D
Signal(s) : FID2B.CH
Acq On : 21 Aug 2025 12:18
Operator : YP/AJ
Sample : FB082125GROICV
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
FB082125GROICV

Integration File: Calibration.e
Quant Time: Aug 22 06:58:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB082125.M
Quant Title :
QLast Update : Thu Aug 21 10:58:34 2025
Response via : Initial Calibration
Integrator: ChemStation

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

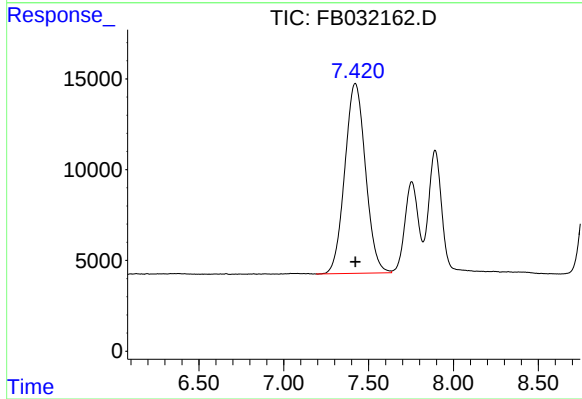




#1 2-Methylpentane

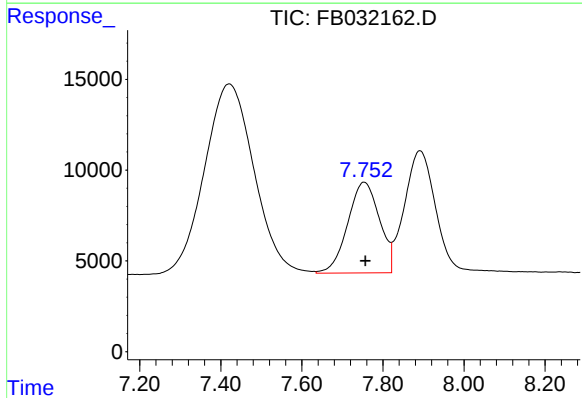
R.T.: 4.710 min
Delta R.T.: -0.001 min
Response: 748582
Conc: 32.70 ng/ml

Instrument :
FID_B
ClientSampleId :
FB082125GROICV



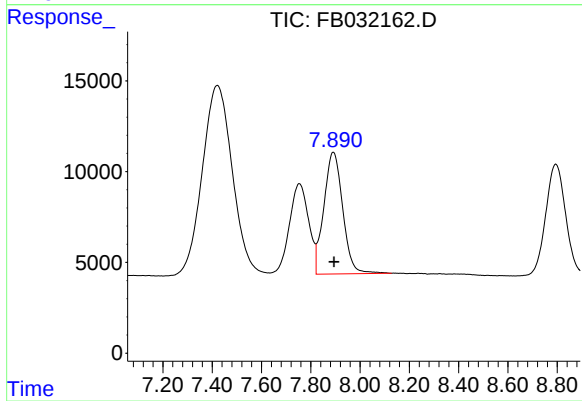
#2 2,2,4-Trimethylpentane

R.T.: 7.422 min
Delta R.T.: 0.000 min
Response: 886911
Conc: 34.65 ng/ml



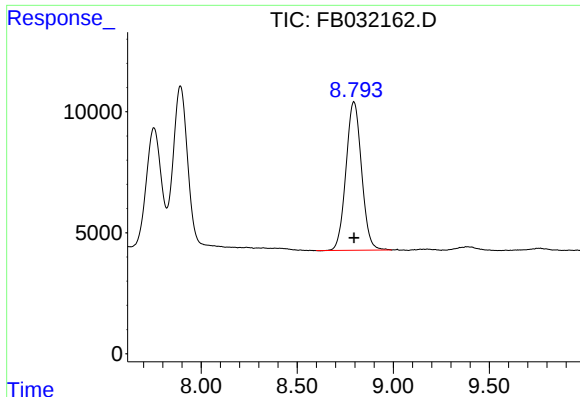
#3 n-Heptane

R.T.: 7.754 min
Delta R.T.: -0.003 min
Response: 271859
Conc: 11.04 ng/ml



#4 Benzene

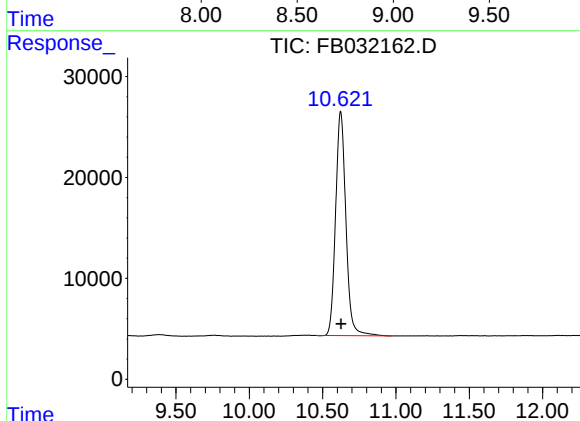
R.T.: 7.892 min
Delta R.T.: -0.003 min
Response: 357244
Conc: 11.22 ng/ml



#5 AAA-TFT

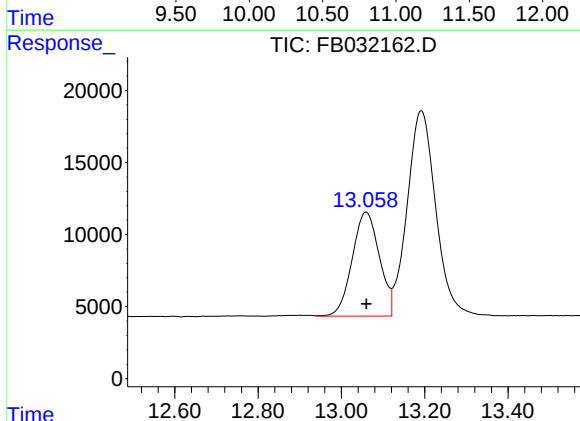
R.T.: 8.795 min
Delta R.T.: -0.002 min
Response: 345910
Conc: 20.10 ng/ml

Instrument :
FID_B
ClientSampleId :
FB082125GROICV



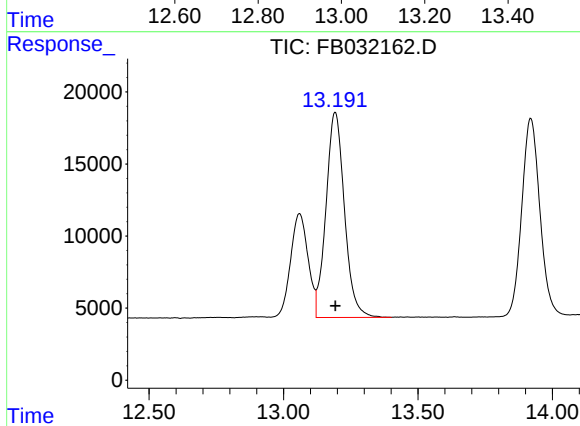
#6 Toluene

R.T.: 10.623 min
Delta R.T.: -0.002 min
Response: 1085489
Conc: 33.10 ng/ml



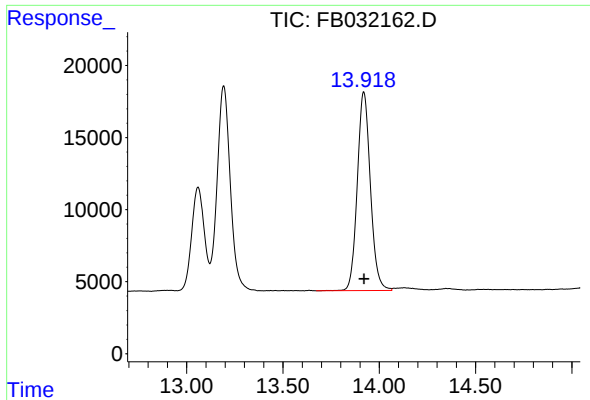
#7 Ethylbenzene

R.T.: 13.060 min
Delta R.T.: 0.000 min
Response: 327331
Conc: 11.27 ng/ml



#8 m-Xylene

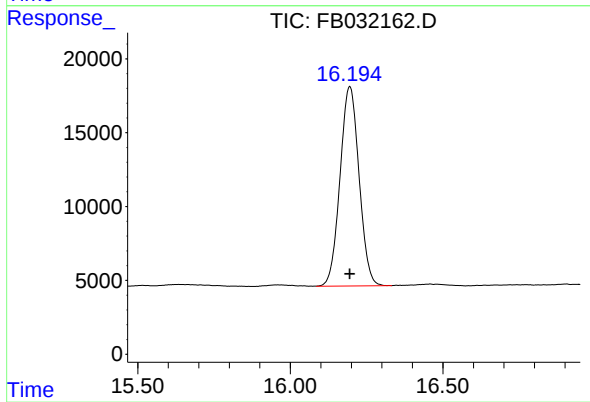
R.T.: 13.192 min
Delta R.T.: 0.000 min
Response: 679905
Conc: 22.71 ng/ml



#9 O-Xylene

R.T.: 13.920 min
Delta R.T.: 0.000 min
Response: 653000
Conc: 22.84 ng/ml

Instrument :
FID_B
ClientSampleId :
FB082125GROICV



#10 1,2,4-Trimethylbenzene

R.T.: 16.195 min
Delta R.T.: 0.000 min
Response: 584441
Conc: 22.48 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB082125\
Data File : FB032162.D
Signal(s) : FID2B.CH
Acq On : 21 Aug 2025 12:18
Sample : FB082125GR0ICV
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB082125.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.710	4.543	4.868	BV	10530	748582	68.96%	12.601%
2	7.422	7.190	7.635	PV	10466	886911	81.71%	14.929%
3	7.754	7.635	7.821	VV	5000	271859	25.04%	4.576%
4	7.892	7.821	8.128	VV	6706	357244	32.91%	6.014%
5	8.795	8.598	8.992	BV	6142	345910	31.87%	5.823%
6	10.623	10.455	10.969	BV	22237	1085489	100.00%	18.272%
7	13.060	12.939	13.121	VV	7219	327331	30.16%	5.510%
8	13.192	13.121	13.402	VV	14247	679905	62.64%	11.445%
9	13.920	13.672	14.065	BV	13788	653000	60.16%	10.992%
10	16.195	16.085	16.333	BV	13514	584441	53.84%	9.838%

Sum of corrected areas: 5940670

FB082125.M Fri Aug 22 07:19:45 2025