

DATA PACKAGE

GC SEMI-VOLATILES

PROJECT NAME : NJ SOIL PT

ALLIANCE TECHNICAL GROUP, LLC - NEWARK

284 Sheffiled Stree

Suite 1

Mountainside, NJ - 07092

Phone No: 908-789-8900

ORDER ID : Q3483

ATTENTION : Mohammad Ahmed



Laboratory Certification ID # 20012



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Cover Page

Order ID : Q3483

Project ID : NJ Soil PT

Client : Alliance Technical Group, LLC - Newark

Lab Sample Number

Q3483-01
Q3483-02
Q3483-03
Q3483-04
Q3483-05
Q3483-06
Q3483-07
Q3483-08
Q3483-09
Q3483-10
Q3483-11
Q3483-12
Q3483-13
Q3483-14
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Q3483-16
Q3483-17
Q3483-18
Q3483-19
Q3483-20
Q3483-21
Q3483-22
Q3483-23
Q3483-24
Q3483-25

Client Sample Number

HW1025-PT-AN-SOIL
HW1025-PT-CORR-SOIL
HW1025-PT-CN-SOIL
HW1025-PT-CN-SOIL
HW1025-PT-FP-SOIL
HW1025-PT-CR6-SOIL
HW1025-PT-NUT-SOIL
HW1025-PT-NUT-SOIL
HW1025-PT-OGR-SOIL
HW1025-PT-MET-SOIL
HW1025-PT-BNA-SOIL
HW1025-PT-TRIAZINE-SOIL
HW1025-PT-PAH-SOIL
HW1025-PT-DIES-SOIL
HW1025-PT-GAS-SOIL
HW1025-PT-NJEPH-SOIL
HW1025-PT-HERB-SOIL
HW1025-PT-PCB-SOIL
HW1025-PT-PCBO-SOIL
HW1025-PT-PEST-SOIL
HW1025-PT-CHLOR-SOIL
HW1025-PT-TXP-SOIL
HW1025-PT-VOA-SOIL
HW1025-PT-SOL-SOIL
HW1025-PT-NO2-SOIL

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: 11/26/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Alliance Technical Group, LLC - Newark

Project Name: NJ Soil PT

Project # N/A

Order ID # Q3483

Test Name: Gasoline Range Organics

A. Number of Samples and Date of Receipt:

25 Solid samples were received on 10/29/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Gasoline Range Organics. 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 were met for all analysis except for HW1025-PT-GAS-SOIL [Alpha, Alpha and Alpha-Trifluorotoluene - 232%] due to matrix interference.

The Retention Times were met for all analysis.

The RPD were met for all analysis.

The Blank Spike met requirements for all compounds.

The Blank Spike Duplicate met requirements for all compounds.

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

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements.

Samples HW1025-PT-GAS-SOIL was diluted due to bad matrix, The above sample original run is reported as screening data in miscellaneous data.

E. Additional Comments:

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

F. Manual Integration Comments:

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



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

Signature_____

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DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following “ Results Qualifiers” are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. “10 U”. This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This 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

ORDER ID: Q3483

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. The Surrogate recoveries were met for all analysis except for HW1025-PT-GAS-SOIL [Alpha,Alpha and Alpha-Trifluorotoluene - 232%] due to matrix interference.		✓	
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 compounds. The Blank Spike Duplicate met requirements for all compounds. The RPD were met for all analysis.			✓
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:		✓	



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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

	NA	NO	YES
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.

ADDITIONAL COMMENTS:

Samples HW1025-PT-GAS-SOIL was diluted due to bad matrix, The above sample original run is reported as screening data in miscellaneous data.

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

QA REVIEW

Date

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3483

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: MOHAMMAD AHMED

Date: 11/26/2025

LAB CHRONICLE

OrderID:	Q3483	OrderDate:	10/29/2025 2:32:00 PM
Client:	Alliance Technical Group, LLC - Newark	Project:	NJ Soil PT
Contact:	Mohammad Ahmed	Location:	QA Office,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3483-15	HW1025-PT-GAS-SOIL	SOIL			10/27/25			10/29/25
	L		Gasoline Range Organics	8015D			11/04/25	



QC SUMMARY

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SOIL GASOLINE RANGE ORGANICS SURROGATE RECOVERY

Lab Name: Alliance

Client: Alliance Technical Group, LLC - Newark

Lab Code: ACE

SDG No.: Q3483

CLIENT ID	S1 AAA-TFT	S2	S3	S4	TOT OUT
VBFI104S2	112				0
BSFI104S1	115				0
BSFI104S2	116				0
HW1025-PT-GAS-SOIL	232 *				1

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: Alliance **Client:** Alliance Technical Group, LLC - Newark
Lab Code: ACE **SDG No:** Q3483
Client Sample ID : BSF1104S1 **Datafile:** FB032288.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS (%)
GRO	180	0	224	124	50-150

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

Lab Name: Alliance **Client:** Alliance Technical Group, LLC - Newark
Lab Code: ACE **SDG No:** Q3483
Client Sample ID : BSF1104S2 **Datafile:** FB032289.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS (%)
GRO	180	0	226	126	50-150

LCS/LCSD % Recovery RPD : 1.0

METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

VBF1104S2

Lab Name: Alliance

Contract: ALLI03

Lab Code: ACE

SDG NO.: Q3483

Lab File ID: FB032287.D

Lab Sample ID: VBF1104S2

Date Analyzed: 11/04/25

Time Analyzed: 9:42

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:

CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSF1104S1	BSF1104S1	FB032288.D	11/04/25
BSF1104S2	BSF1104S2	FB032289.D	11/04/25
HW1025-PT-GAS-SOIL	Q3483-15	FB032293.D	11/04/25

COMMENTS: _____



SAMPLE DATA

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Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	10/27/25
Project:	NJ Soil PT	Date Received:	10/29/25
Client Sample ID:	HW1025-PT-GAS-SOIL	SDG No.:	Q3483
Lab Sample ID:	Q3483-15	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	100
Sample Wt/Vol:	5 g	Test:	Gasoline Range Organics
	Final Vol: 5 mL		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
GRO	GRO	907000		1000	8260	45000	ug/kg	11/04/25 12:46	FB110425
SURROGATES									
98-08-8	Alpha,Alpha,Alpha-Trifluor	46.5	*		50 - 150	232%	SPK: 20		

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

Q3483-Gasoline Range Organics

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\FB110425\
 Data File : FB032293.D
 Signal(s) : FID2B.CH
 Acq On : 4 Nov 2025 12:46
 Operator : YP/AJ
 Sample : Q3483-15 1000X
 Misc : 5.00G/5.00 ML MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 FID_B
 ClientSampleId :
 HW1025-PT-GAS-SOIL

Integration File: Calibration.e
 Quant Time: Nov 04 22:36:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB102725.M
 Quant Title :
 QLast Update : Tue Oct 28 04:57:39 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	8.822	942340	46.460 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.713	324194	11.834 ng/ml
2) t 2,2,4-Trimethylpentane	7.413	1044226	33.893 ng/ml
3) t n-Heptane	7.756	1183193	40.381 ng/ml
4) t Benzene	7.893	371212	10.723 ng/ml
6) t Toluene	10.627	3434310	95.981 ng/ml
7) t Ethylbenzene	13.062	1033559	32.498 ng/ml
8) t m-Xylene	13.194	3853535	115.712 ng/ml
9) t O-Xylene	13.924	1492278	46.471 ng/ml
10) t 1,2,4-Trimethylbenzene	16.199	1640959	59.304 ng/ml

(f)=RT Delta > 1/2 Window

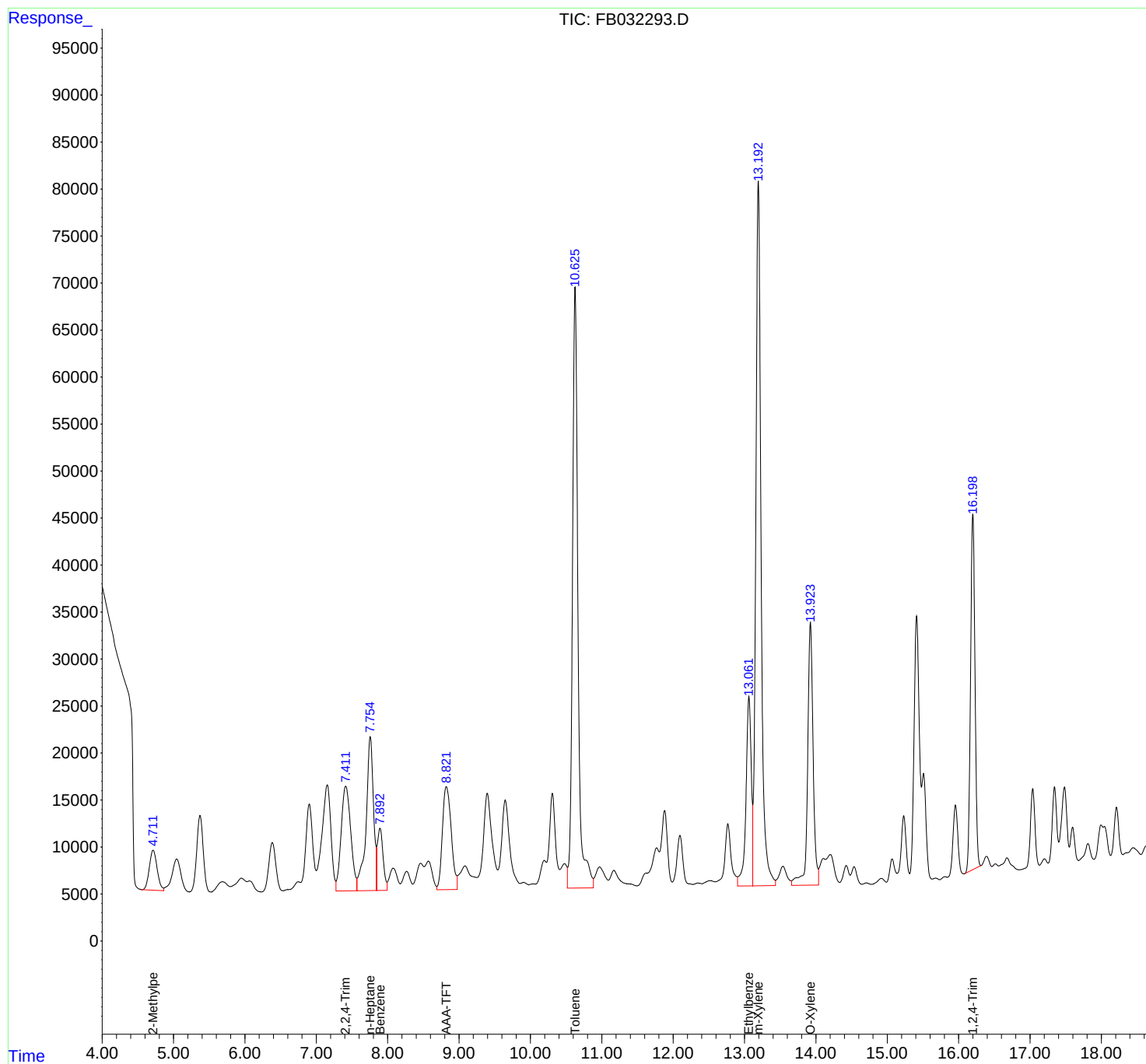
(m)=manual int.

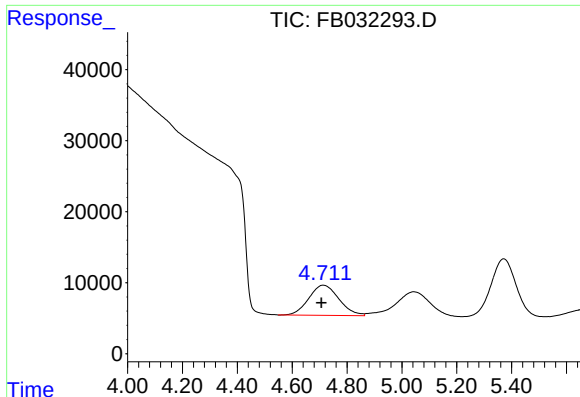
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB110425\
Data File : FB032293.D
Signal(s) : FID2B.CH
Acq On : 4 Nov 2025 12:46
Operator : YP/AJ
Sample : Q3483-15 1000X
Misc : 5.00G/5.00 ML MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
HW1025-PT-GAS-SOIL

Integration File: Calibration.e
Quant Time: Nov 04 22:36:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB102725.M
Quant Title :
QLast Update : Tue Oct 28 04:57:39 2025
Response via : Initial Calibration
Integrator: ChemStation

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

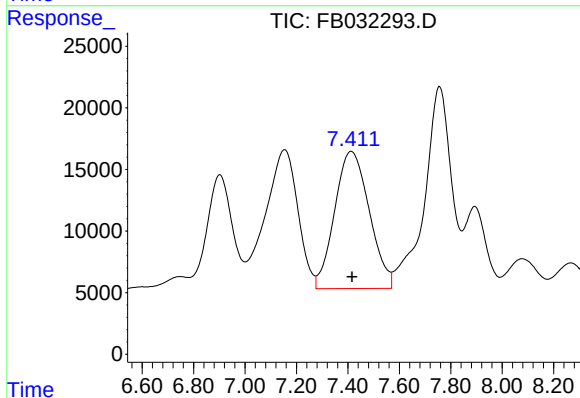




#1 2-Methylpentane

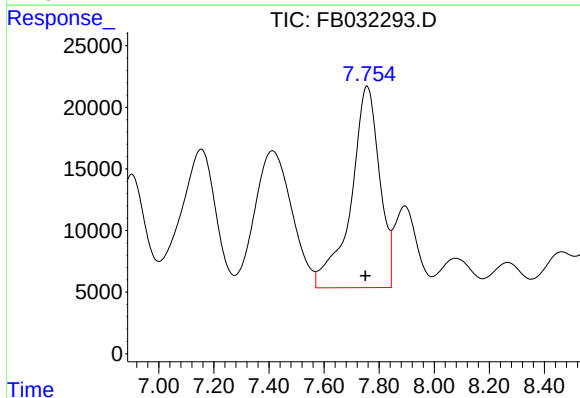
R.T.: 4.713 min
Delta R.T.: 0.006 min
Response: 324194
Conc: 11.83 ng/ml

Instrument :
FID_B
ClientSampleId :
HW1025-PT-GAS-SOIL



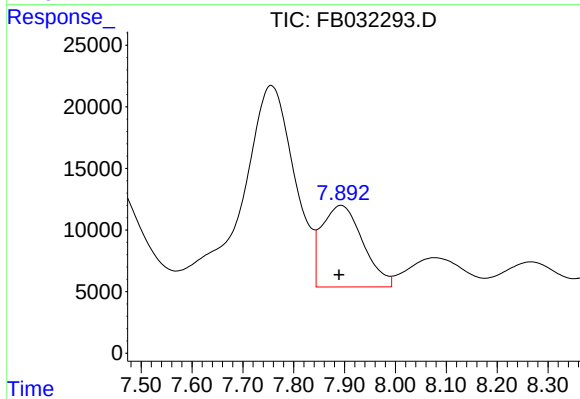
#2 2,2,4-Trimethylpentane

R.T.: 7.413 min
Delta R.T.: -0.003 min
Response: 1044226
Conc: 33.89 ng/ml



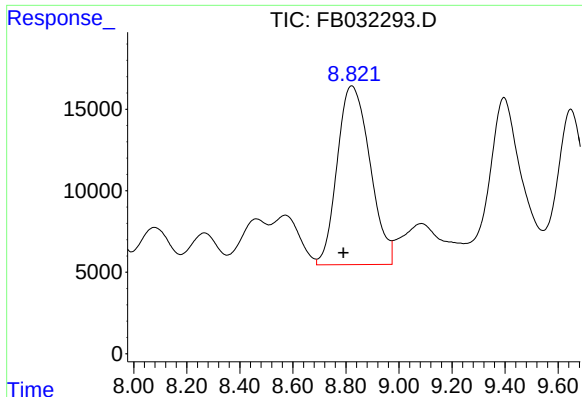
#3 n-Heptane

R.T.: 7.756 min
Delta R.T.: 0.006 min
Response: 1183193
Conc: 40.38 ng/ml



#4 Benzene

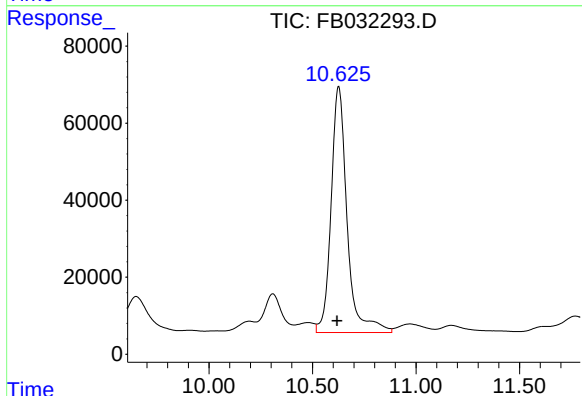
R.T.: 7.893 min
Delta R.T.: 0.005 min
Response: 371212
Conc: 10.72 ng/ml



#5 AAA-TFT

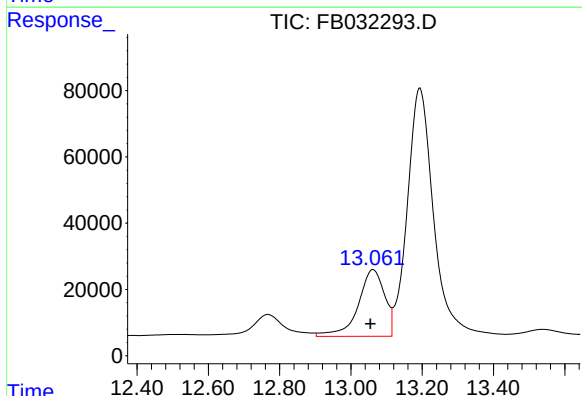
R.T.: 8.822 min
Delta R.T.: 0.031 min
Response: 942340
Conc: 46.46 ng/ml

Instrument :
FID_B
ClientSampleId :
HW1025-PT-GAS-SOIL



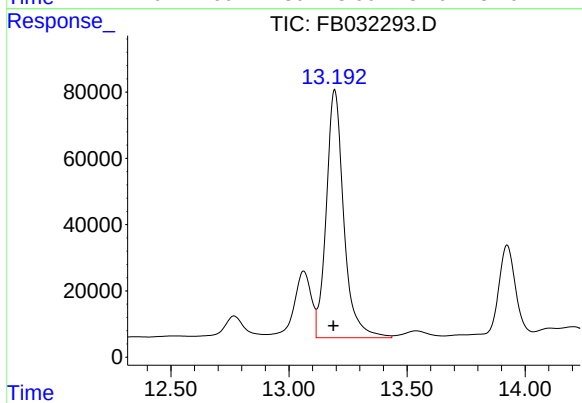
#6 Toluene

R.T.: 10.627 min
Delta R.T.: 0.007 min
Response: 3434310
Conc: 95.98 ng/ml



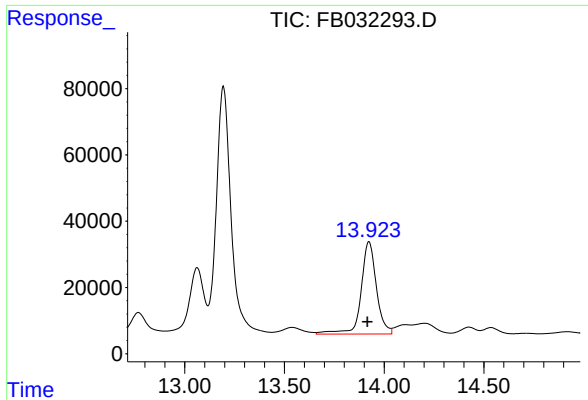
#7 Ethylbenzene

R.T.: 13.062 min
Delta R.T.: 0.007 min
Response: 1033559
Conc: 32.50 ng/ml



#8 m-Xylene

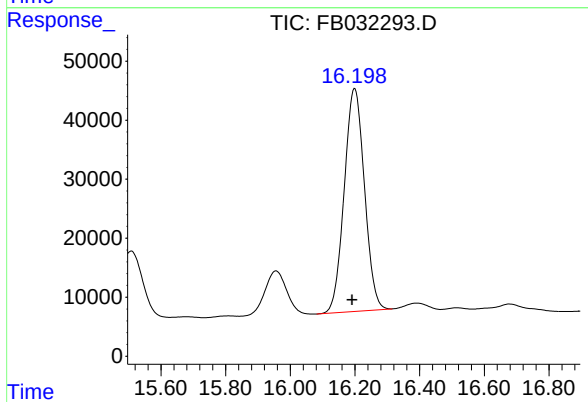
R.T.: 13.194 min
Delta R.T.: 0.005 min
Response: 3853535
Conc: 115.71 ng/ml



#9 O-Xylene

R.T.: 13.924 min
Delta R.T.: 0.008 min
Response: 1492278
Conc: 46.47 ng/ml

Instrument :
FID_B
ClientSampleId :
HW1025-PT-GAS-SOIL



#10 1,2,4-Trimethylbenzene

R.T.: 16.199 min
Delta R.T.: 0.008 min
Response: 1640959
Conc: 59.30 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB110425\
Data File : FB032293.D
Signal(s) : FID2B.CH
Acq On : 4 Nov 2025 12:46
Sample : Q3483-15 1000X
Misc : 5.00G/5.00 ML ME0H
ALS Vial : 4 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB102725.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.713	4.504	4.864	BH	4057	287277	7.23%	0.978%
2	5.044	4.864	5.202	HHA	3125	233081	5.86%	0.794%
3	5.372	5.202	5.528	BH	8124	506142	12.73%	1.724%
4	5.683	5.528	5.791	PH	1056	101160	2.54%	0.345%
5	5.951	5.791	6.025	HH	1441	141837	3.57%	0.483%
6	6.060	6.025	6.221	HH	1143	70776	1.78%	0.241%
7	6.384	6.233	6.524	PH	5228	355377	8.94%	1.210%
8	6.536	6.524	6.546	HH	115	1397	0.04%	0.005%
9	6.746	6.546	6.782	HH	1049	73533	1.85%	0.250%
10	6.902	6.782	7.001	HH	9329	644714	16.22%	2.196%
11	7.154	7.001	7.276	HH	11359	1003011	25.23%	3.416%
12	7.413	7.276	7.570	HH	11223	1058157	26.62%	3.604%
13	7.756	7.570	7.844	HH	16472	1200626	30.20%	4.089%
14	7.893	7.844	7.992	HH	6751	382417	9.62%	1.303%
15	8.078	7.992	8.177	HH	2501	192930	4.85%	0.657%
16	8.267	8.177	8.352	HH	2160	156816	3.94%	0.534%
17	8.463	8.352	8.511	HH	3022	207857	5.23%	0.708%
18	8.572	8.511	8.689	HH	3252	237146	5.97%	0.808%
19	8.822	8.689	8.974	HH	11183	978633	24.62%	3.333%
20	9.084	8.974	9.246	HH	2735	328331	8.26%	1.118%
21	9.396	9.246	9.546	HH	10471	928781	23.37%	3.163%
22	9.648	9.546	9.858	HH	9751	818027	20.58%	2.786%
23	9.905	9.858	9.980	HH	987	65004	1.64%	0.221%
24	10.308	9.980	10.414	HH	10455	899747	22.63%	3.065%
25	10.478	10.414	10.518	HH	2970	170619	4.29%	0.581%
26	10.627	10.518	10.883	HH	64334	3519513	88.54%	11.988%
27	10.970	10.883	11.092	HH	2634	246667	6.21%	0.840%
28	11.171	11.092	11.492	HH	2271	290415	7.31%	0.989%
29	11.770	11.492	11.805	HH	4663	452213	11.38%	1.540%
30	11.881	11.805	11.989	HH	8649	547508	13.77%	1.865%
31	12.096	11.989	12.273	HH	5993	422433	10.63%	1.439%
32	12.349	12.273	12.403	HH	915	66631	1.68%	0.227%
33	12.520	12.403	12.596	HH	1164	122037	3.07%	0.416%
34	12.768	12.596	12.903	HH	7221	536286	13.49%	1.827%
35	13.062	12.903	13.115	HH	20748	1110914	27.95%	3.784%
36	13.194	13.115	13.435	HH	75539	3975072	100.00%	13.539%

rteres								
37	13.539	13.435	13.654	HHA	2692	243322	6.12%	0.829%
38	13.924	13.654	14.038	BH	27455	1382016	34.77%	4.707%
39	14.202	14.038	14.334	HH	2770	307241	7.73%	1.046%
40	14.426	14.334	14.482	PH	1607	69824	1.76%	0.238%
41	14.536	14.482	14.646	HH	1480	55258	1.39%	0.188%
42	14.918	14.801	14.986	BH	612	38736	0.97%	0.132%
43	15.069	14.986	15.139	HH	2686	138721	3.49%	0.472%
44	15.232	15.139	15.312	HH	7271	379992	9.56%	1.294%
45	15.412	15.312	15.630	HH	28492	1992209	50.12%	6.786%
46	15.678	15.630	15.735	HH	642	36263	0.91%	0.124%
47	15.810	15.735	15.839	HH	796	42721	1.07%	0.146%
48	15.956	15.839	16.081	HH	8419	483063	12.15%	1.645%
49	16.199	16.081	16.315	HH	39368	1857025	46.72%	6.325%
Sum of corrected areas:						29359476		

FB102725.M Wed Nov 05 06:45:33 2025



CALIBRATION SUMMARY

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GASOLINE RANGE ORGANICS INITIAL CALIBRATION SUMMARY

Lab Name: Alliance Contract: ALLI03
ProjectID: NJ Soil PT
Lab Code: ACE SDG No.: Q3483

Calibration Sequence : FB102725		Test : Gasoline Range Organics	
Concentration (PPB)	Area Count	Reference Factor	File ID
45	1379940	30665	FB032267.D
90	2618714	29097	FB032268.D
180	5448966	30272	FB032269.D
450	14683527	32630	FB032270.D
900	30564498	33961	FB032271.D
AVG RF : 31325		% RSD : 6.215	AVG RT : 8.7908

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB102725\
 Data File : FB032267.D
 Signal(s) : FID2B.CH
 Acq On : 27 Oct 2025 9:43
 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: Oct 28 04:50:28 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB102725.M
 Quant Title :
 QLast Update : Tue Oct 28 04:50:10 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	102359	5.094 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.710	189613	7.191 ng/ml
2) t 2,2,4-Trimethylpentane	7.414	219524	7.439 ng/ml
3) t n-Heptane	7.747	68369	2.452 ng/ml
4) t Benzene	7.886	75328	2.266 ng/ml
6) t Toluene	10.616	263449	7.563 ng/ml
7) t Ethylbenzene	13.052	79822	2.569 ng/ml
8) t m-Xylene	13.184	167840	5.195 ng/ml
9) t O-Xylene	13.911	162967	5.195 ng/ml
10) t 1,2,4-Trimethylbenzene	16.187	153028	5.754 ng/ml

(f)=RT Delta > 1/2 Window

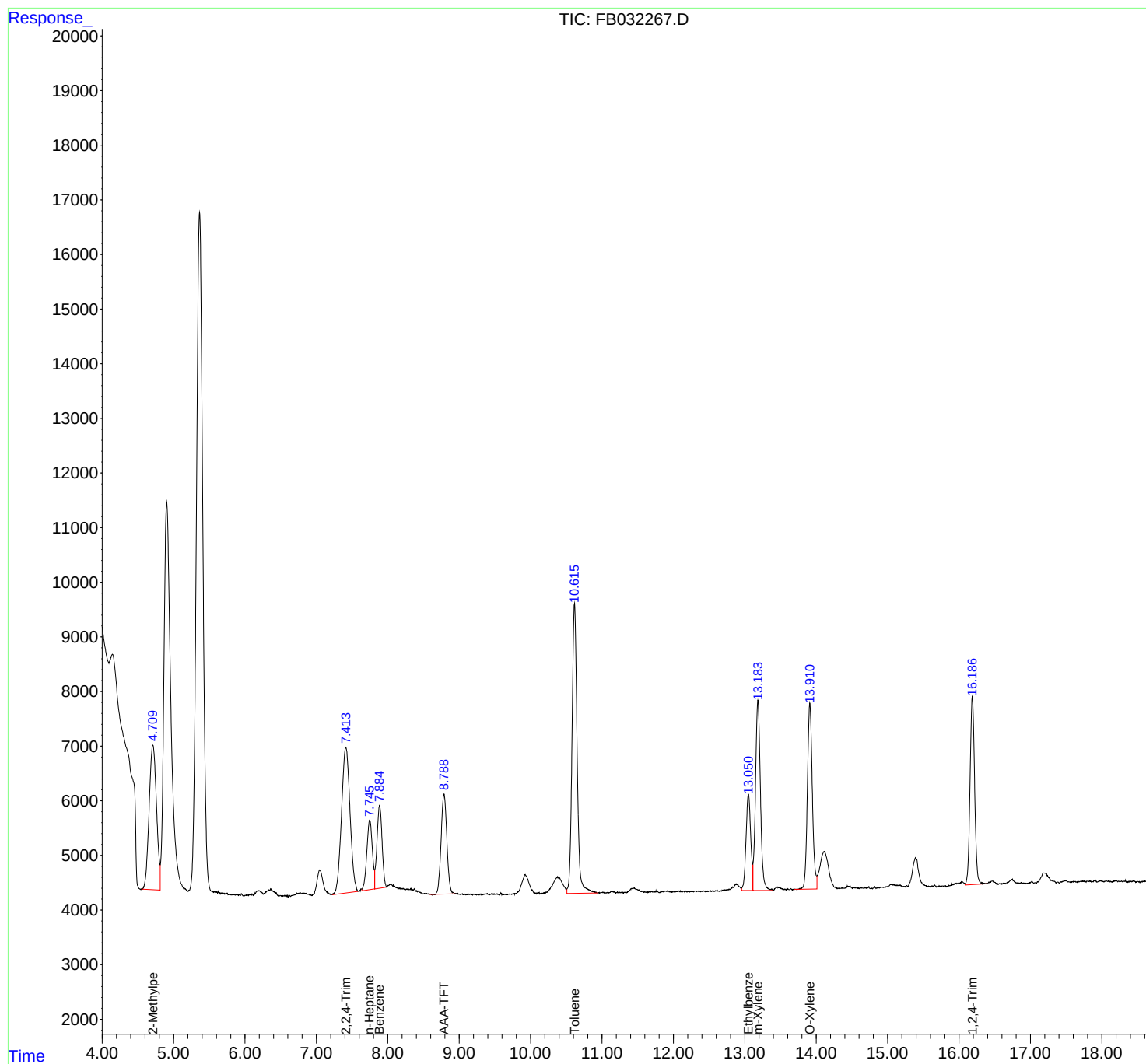
(m)=manual int.

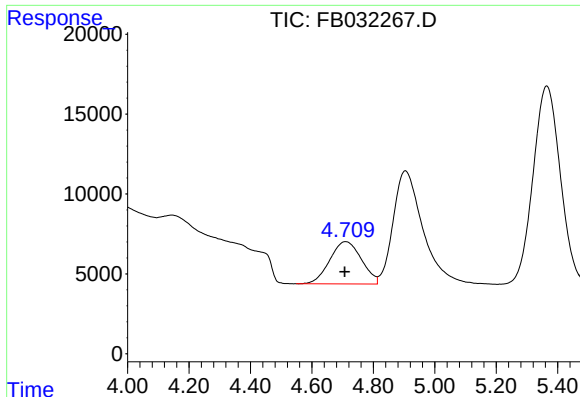
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB102725\
Data File : FB032267.D
Signal(s) : FID2B.CH
Acq On : 27 Oct 2025 9:43
Operator : YP/AJ
Sample : 5 GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
5 GRO STD

Integration File: Calibration.e
Quant Time: Oct 28 04:50:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB102725.M
Quant Title :
QLast Update : Tue Oct 28 04:50:10 2025
Response via : Initial Calibration
Integrator: ChemStation

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

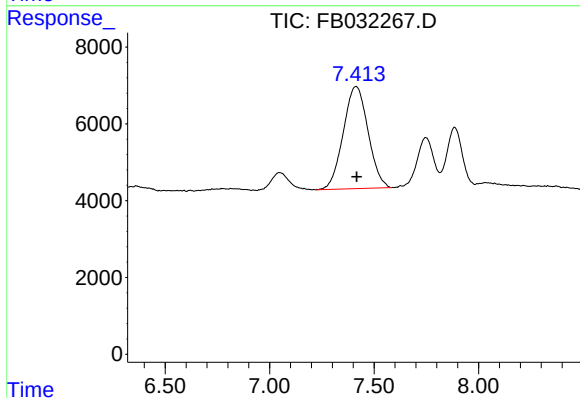




#1 2-Methylpentane

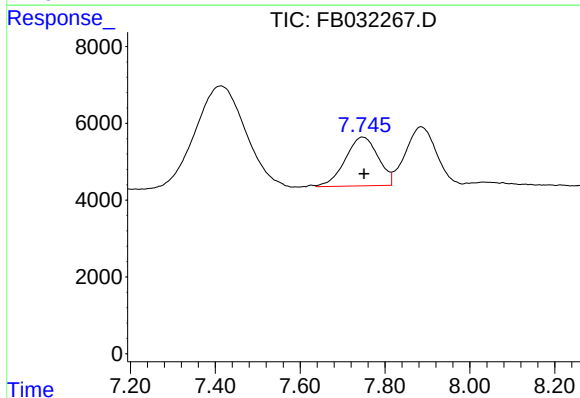
R.T.: 4.710 min
Delta R.T.: 0.003 min
Response: 189613
Conc: 7.19 ng/ml

Instrument :
FID_B
ClientSampleId :
5 GRO STD



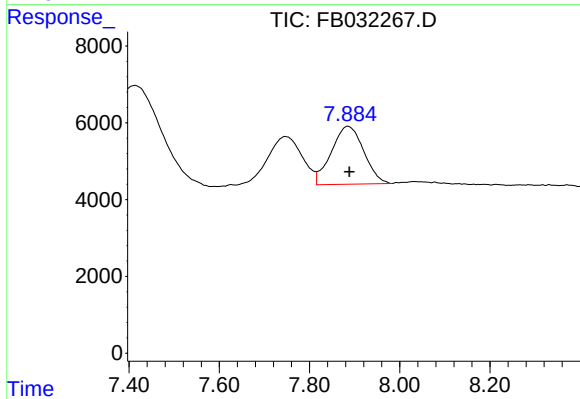
#2 2,2,4-Trimethylpentane

R.T.: 7.414 min
Delta R.T.: -0.002 min
Response: 219524
Conc: 7.44 ng/ml



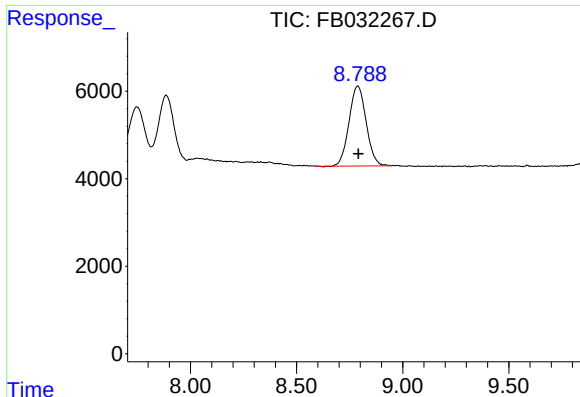
#3 n-Heptane

R.T.: 7.747 min
Delta R.T.: -0.004 min
Response: 68369
Conc: 2.45 ng/ml



#4 Benzene

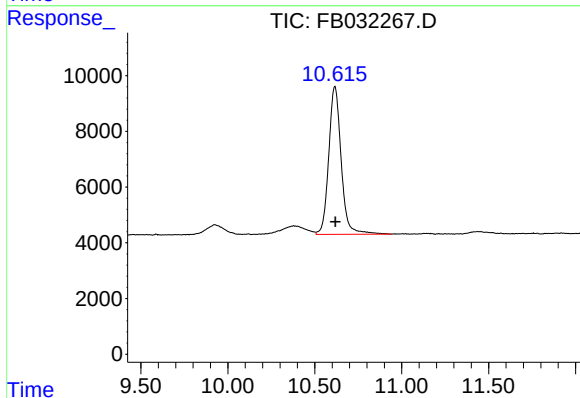
R.T.: 7.886 min
Delta R.T.: -0.003 min
Response: 75328
Conc: 2.27 ng/ml



#5 AAA-TFT

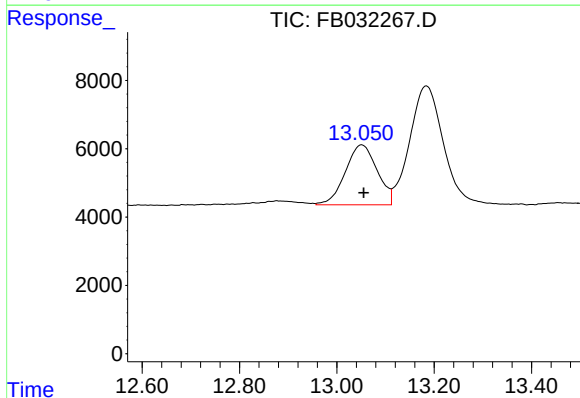
R.T.: 8.789 min
Delta R.T.: -0.002 min
Response: 102359
Conc: 5.09 ng/ml

Instrument :
FID_B
ClientSampleId :
5 GRO STD



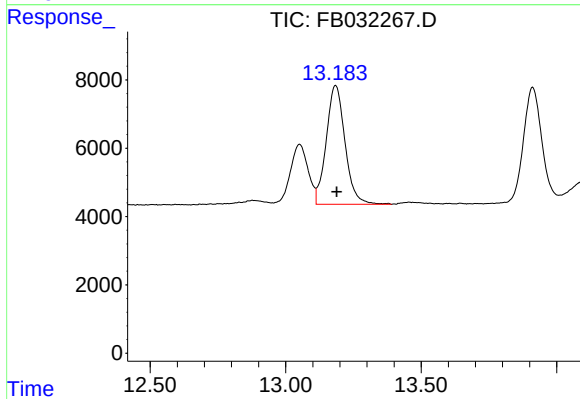
#6 Toluene

R.T.: 10.616 min
Delta R.T.: -0.003 min
Response: 263449
Conc: 7.56 ng/ml



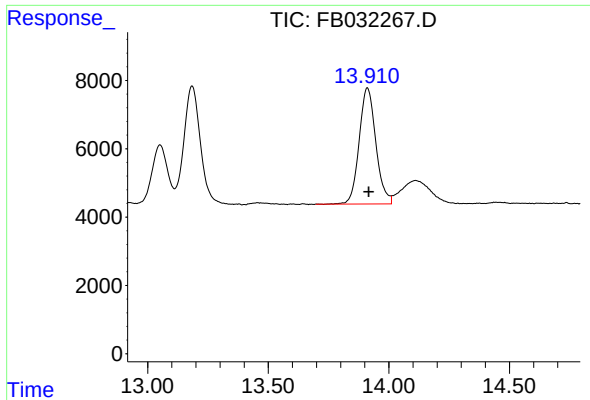
#7 Ethylbenzene

R.T.: 13.052 min
Delta R.T.: -0.003 min
Response: 79822
Conc: 2.57 ng/ml



#8 m-Xylene

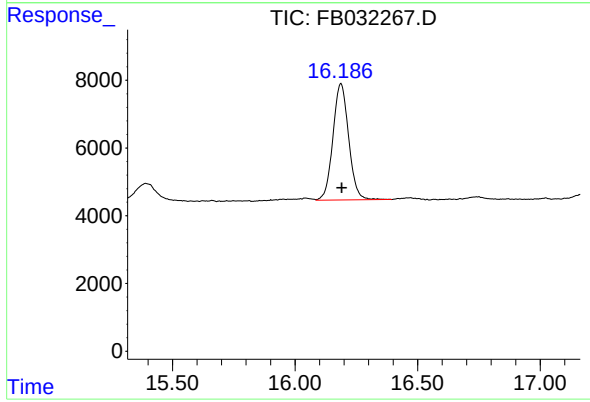
R.T.: 13.184 min
Delta R.T.: -0.004 min
Response: 167840
Conc: 5.19 ng/ml



#9 O-Xylene

R.T.: 13.911 min
Delta R.T.: -0.004 min
Response: 162967
Conc: 5.20 ng/ml

Instrument :
FID_B
ClientSampleId :
5 GRO STD



#10 1,2,4-Trimethylbenzene

R.T.: 16.187 min
Delta R.T.: -0.004 min
Response: 153028
Conc: 5.75 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB102725\
Data File : FB032267.D
Signal(s) : FID2B.CH
Acq On : 27 Oct 2025 9:43
Sample : 5 GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB102725.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	4.548	4.813	BV	2649	189613	71.97%	12.792%
2	7.414	7.223	7.585	PV	2664	219524	83.33%	14.810%
3	7.747	7.637	7.816	VV	1274	68369	25.95%	4.612%
4	7.886	7.816	7.983	VV	1513	75328	28.59%	5.082%
5	8.789	8.592	8.949	BV	1832	102359	38.85%	6.905%
6	10.616	10.507	10.942	VV	5310	263449	100.00%	17.773%
7	13.052	12.957	13.112	VV	1761	79822	30.30%	5.385%
8	13.184	13.112	13.391	VV	3481	167840	63.71%	11.323%
9	13.911	13.697	14.010	BV	3403	162967	61.86%	10.994%
10	16.187	16.085	16.394	VB	3443	153028	58.09%	10.324%

Sum of corrected areas: 1482299

FB102725.M Tue Oct 28 04:59:00 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB102725\
 Data File : FB032268.D
 Signal(s) : FID2B.CH
 Acq On : 27 Oct 2025 10:11
 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: Oct 28 04:50:43 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB102725.M
 Quant Title :
 QLast Update : Tue Oct 28 04:50:10 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	199834	9.944 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.710	391331	14.842 ng/ml
2) t 2,2,4-Trimethylpentane	7.415	434261	14.716 ng/ml
3) t n-Heptane	7.751	131745	4.724 ng/ml
4) t Benzene	7.889	153257	4.610 ng/ml
6) t Toluene	10.619	493810	14.175 ng/ml
7) t Ethylbenzene	13.055	147193	4.736 ng/ml
8) t m-Xylene	13.187	310008	9.595 ng/ml
9) t O-Xylene	13.915	301020	9.596 ng/ml
10) t 1,2,4-Trimethylbenzene	16.190	256089	9.629 ng/ml

(f)=RT Delta > 1/2 Window

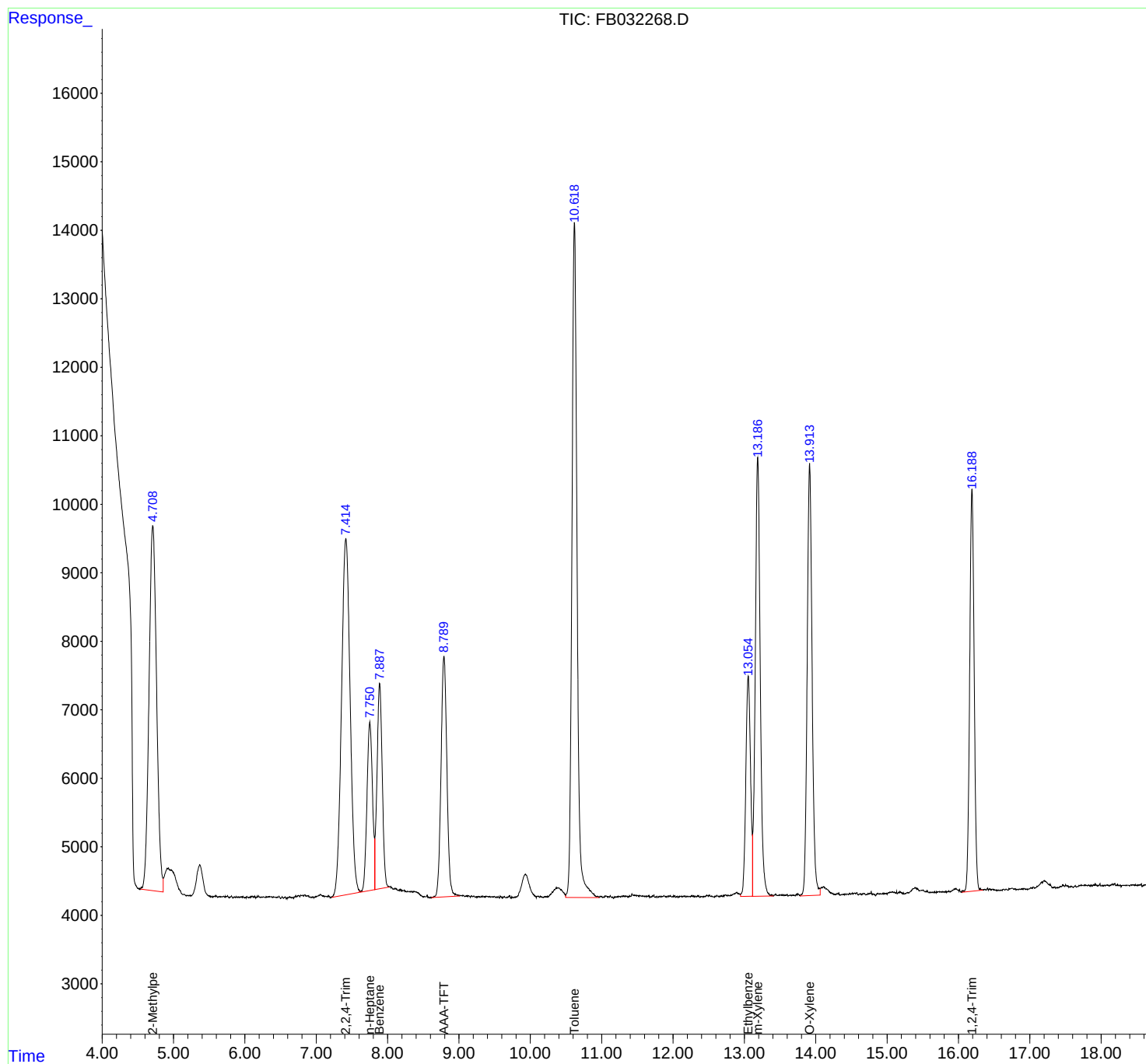
(m)=manual int.

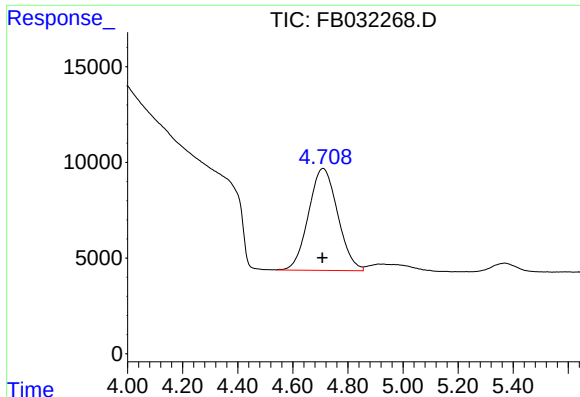
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB102725\
Data File : FB032268.D
Signal(s) : FID2B.CH
Acq On : 27 Oct 2025 10:11
Operator : YP/AJ
Sample : 10 GRO STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
10 GRO STD

Integration File: Calibration.e
Quant Time: Oct 28 04:50:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB102725.M
Quant Title :
QLast Update : Tue Oct 28 04:50:10 2025
Response via : Initial Calibration
Integrator: ChemStation

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

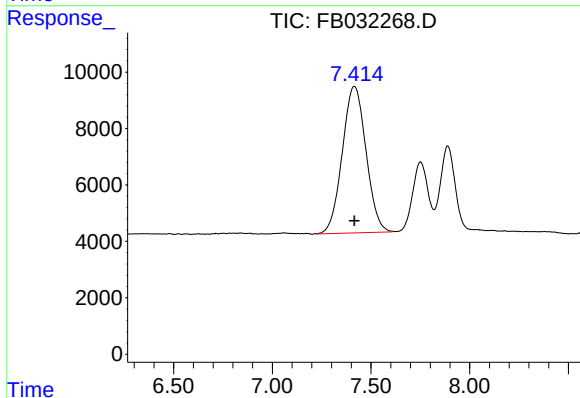




#1 2-Methylpentane

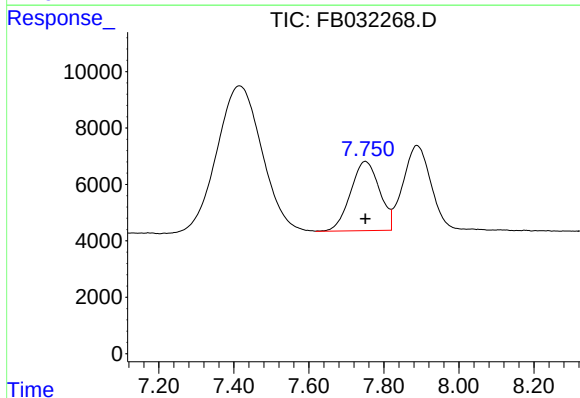
R.T.: 4.710 min
Delta R.T.: 0.003 min
Response: 391331
Conc: 14.84 ng/ml

Instrument :
FID_B
ClientSampleId :
10 GRO STD



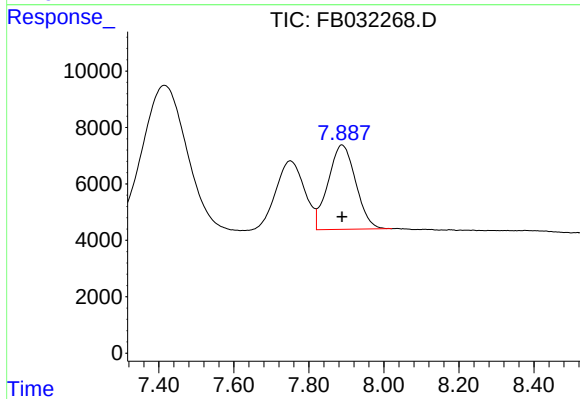
#2 2,2,4-Trimethylpentane

R.T.: 7.415 min
Delta R.T.: 0.000 min
Response: 434261
Conc: 14.72 ng/ml



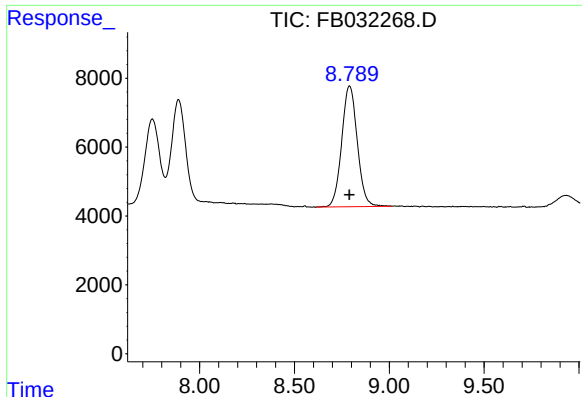
#3 n-Heptane

R.T.: 7.751 min
Delta R.T.: 0.000 min
Response: 131745
Conc: 4.72 ng/ml



#4 Benzene

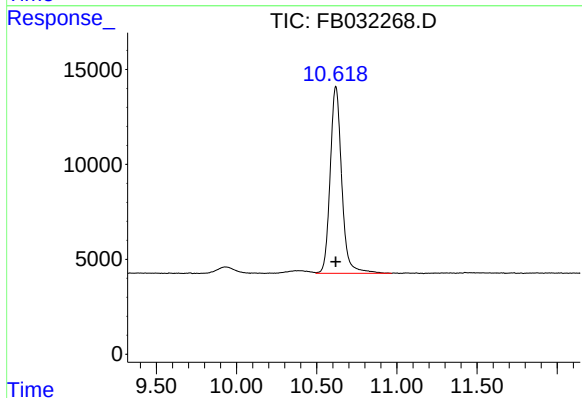
R.T.: 7.889 min
Delta R.T.: 0.000 min
Response: 153257
Conc: 4.61 ng/ml



#5 AAA-TFT

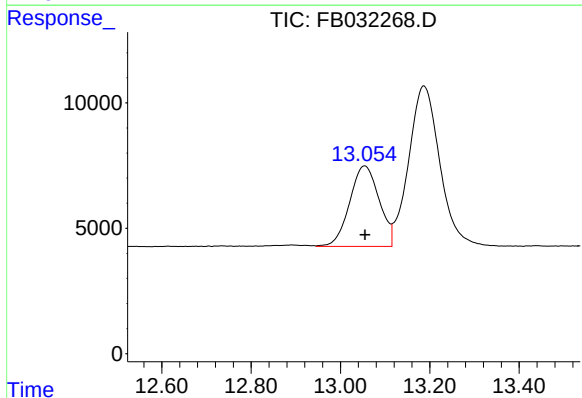
R.T.: 8.790 min
Delta R.T.: 0.000 min
Response: 199834
Conc: 9.94 ng/ml

Instrument :
FID_B
ClientSampleId :
10 GRO STD



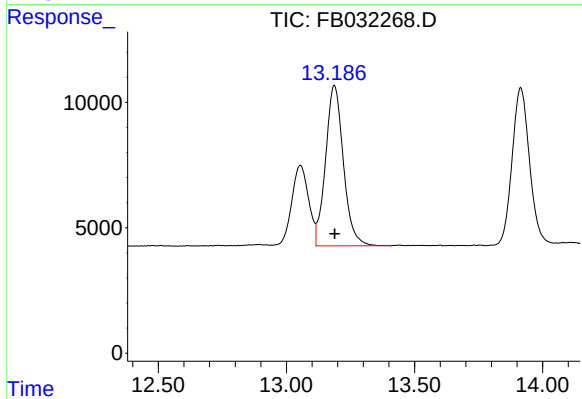
#6 Toluene

R.T.: 10.619 min
Delta R.T.: 0.000 min
Response: 493810
Conc: 14.18 ng/ml



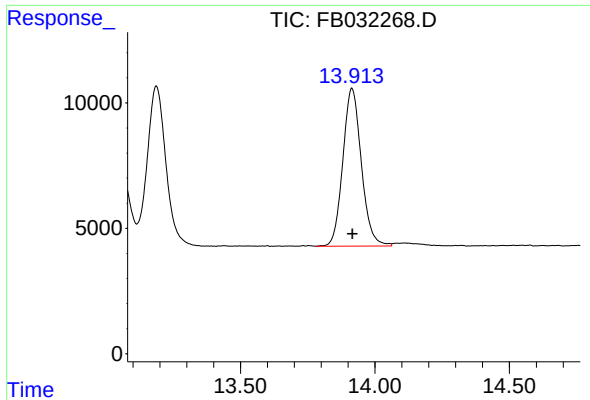
#7 Ethylbenzene

R.T.: 13.055 min
Delta R.T.: 0.000 min
Response: 147193
Conc: 4.74 ng/ml



#8 m-Xylene

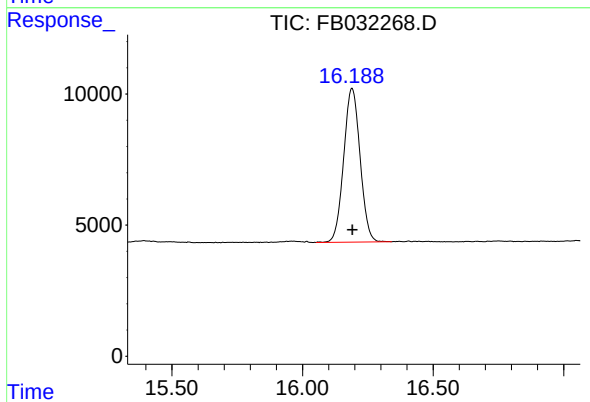
R.T.: 13.187 min
Delta R.T.: -0.001 min
Response: 310008
Conc: 9.60 ng/ml



#9 O-Xylene

R.T.: 13.915 min
Delta R.T.: 0.000 min
Response: 301020
Conc: 9.60 ng/ml

Instrument :
FID_B
ClientSampleId :
10 GRO STD



#10 1,2,4-Trimethylbenzene

R.T.: 16.190 min
Delta R.T.: -0.001 min
Response: 256089
Conc: 9.63 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB102725\
Data File : FB032268.D
Signal(s) : FID2B.CH
Acq On : 27 Oct 2025 10:11
Sample : 10 GRO STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB102725.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	4.540	4.856	BV	5329	391331	79.25%	13.884%
2	7.416	7.223	7.605	PV	5197	434261	87.94%	15.407%
3	7.751	7.619	7.820	VV	2459	131745	26.68%	4.674%
4	7.889	7.820	8.022	VV	2997	153257	31.04%	5.437%
5	8.790	8.615	9.013	BV	3509	199834	40.47%	7.090%
6	10.619	10.496	10.967	VV	9848	493810	100.00%	17.520%
7	13.055	12.946	13.115	VV	3214	147193	29.81%	5.222%
8	13.187	13.115	13.410	VV	6399	310008	62.78%	10.999%
9	13.915	13.781	14.062	PV	6301	301020	60.96%	10.680%
10	16.190	16.052	16.341	BV	5872	256089	51.86%	9.086%

Sum of corrected areas: 2818548

FB102725.M Tue Oct 28 04:59:32 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB102725\
 Data File : FB032269.D
 Signal(s) : FID2B.CH
 Acq On : 27 Oct 2025 10:38
 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: Oct 28 04:50:57 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB102725.M
 Quant Title :
 QLast Update : Tue Oct 28 04:50:10 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	401913	20.000 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.707	791006	30.000 ng/ml
2) t 2,2,4-Trimethylpentane	7.416	885257	30.000 ng/ml
3) t n-Heptane	7.751	278881	10.000 ng/ml
4) t Benzene	7.889	332478	10.000 ng/ml
6) t Toluene	10.619	1045068	30.000 ng/ml
7) t Ethylbenzene	13.055	310764	10.000 ng/ml
8) t m-Xylene	13.189	646179	20.000 ng/ml
9) t O-Xylene	13.916	627399	20.000 ng/ml
10) t 1,2,4-Trimethylbenzene	16.191	531934	20.000 ng/ml

(f)=RT Delta > 1/2 Window

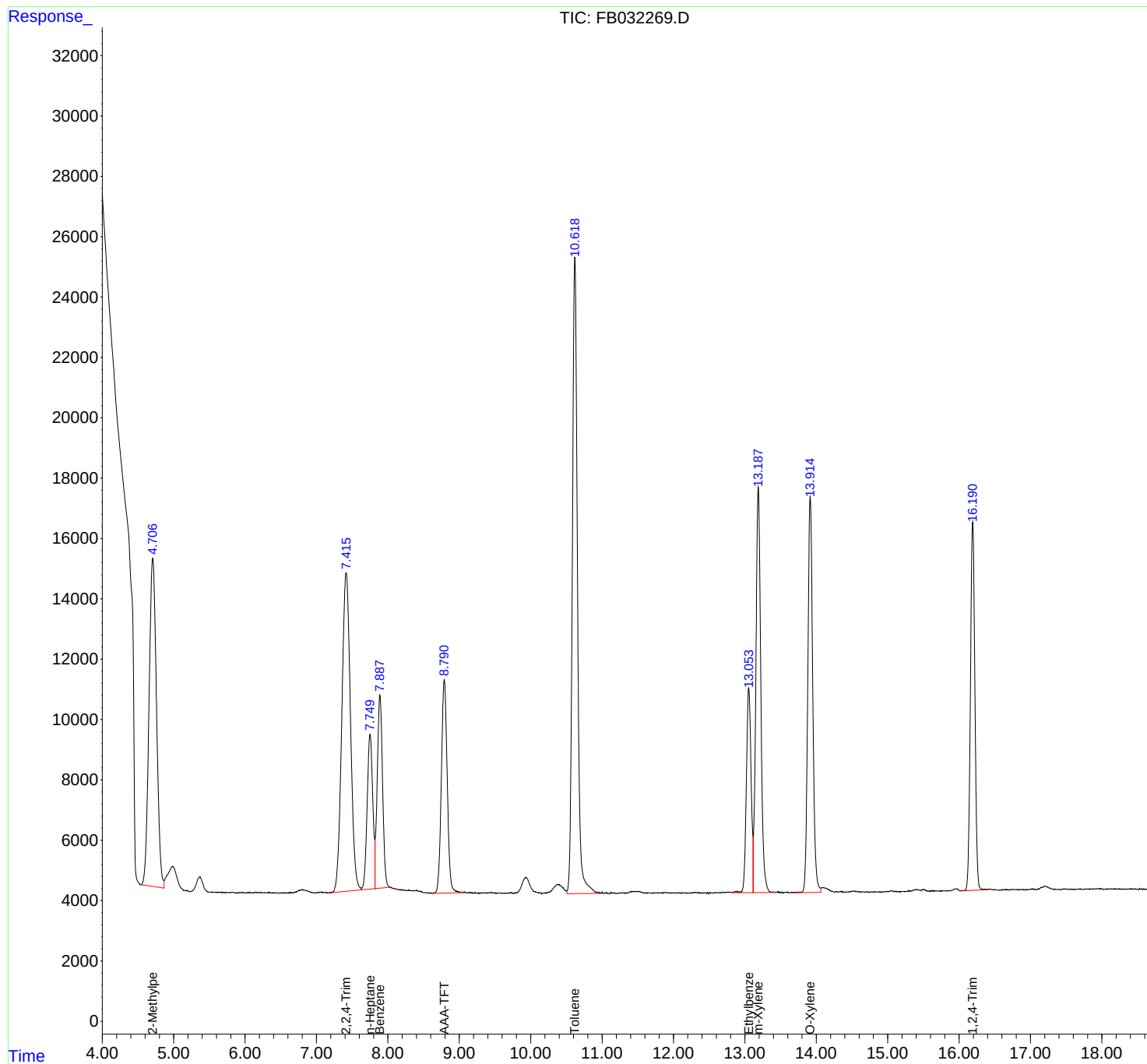
(m)=manual int.

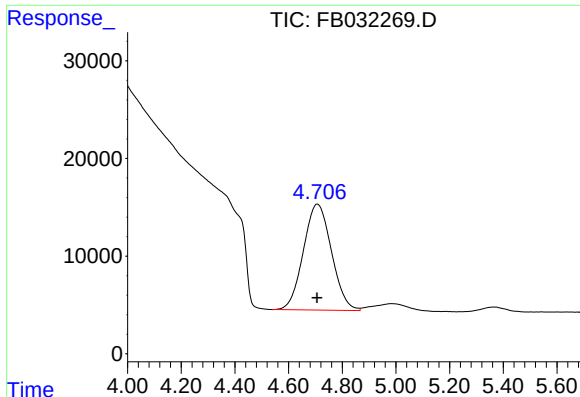
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB102725\
Data File : FB032269.D
Signal(s) : FID2B.CH
Acq On : 27 Oct 2025 10:38
Operator : YP/AJ
Sample : 20 GRO STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 GRO STD

Integration File: Calibration.e
Quant Time: Oct 28 04:50:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB102725.M
Quant Title :
QLast Update : Tue Oct 28 04:50:10 2025
Response via : Initial Calibration
Integrator: ChemStation

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

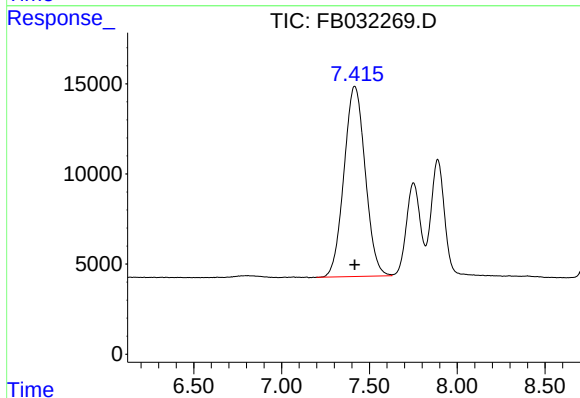




#1 2-Methylpentane

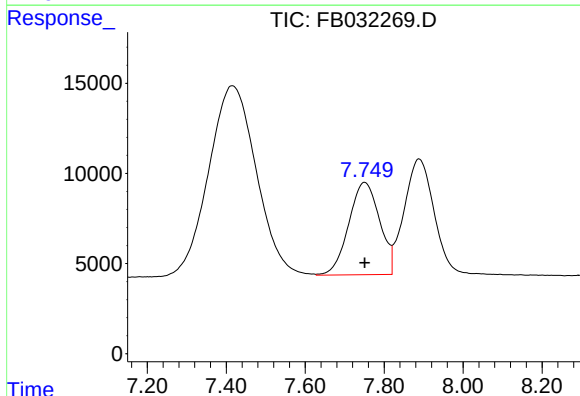
R.T.: 4.707 min
Delta R.T.: 0.000 min
Response: 791006
Conc: 30.00 ng/ml

Instrument :
FID_B
ClientSampleId :
20 GRO STD



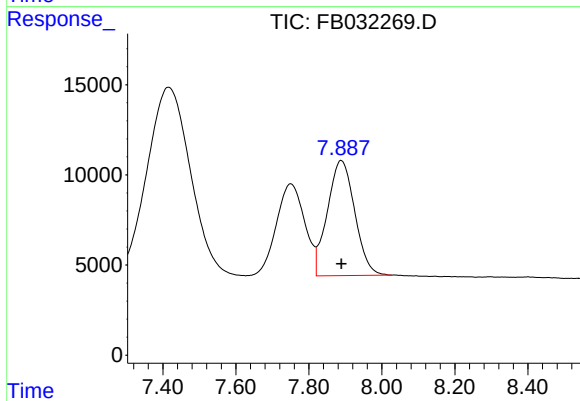
#2 2,2,4-Trimethylpentane

R.T.: 7.416 min
Delta R.T.: 0.000 min
Response: 885257
Conc: 30.00 ng/ml



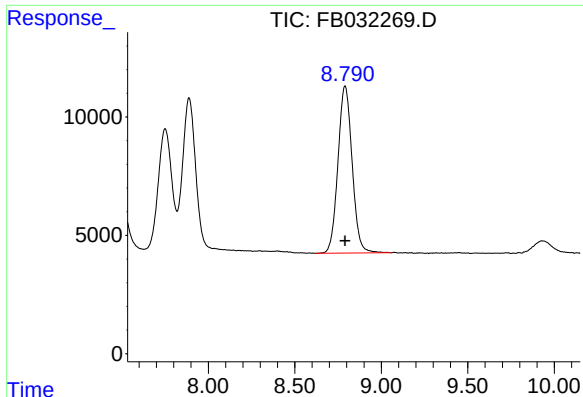
#3 n-Heptane

R.T.: 7.751 min
Delta R.T.: 0.000 min
Response: 278881
Conc: 10.00 ng/ml



#4 Benzene

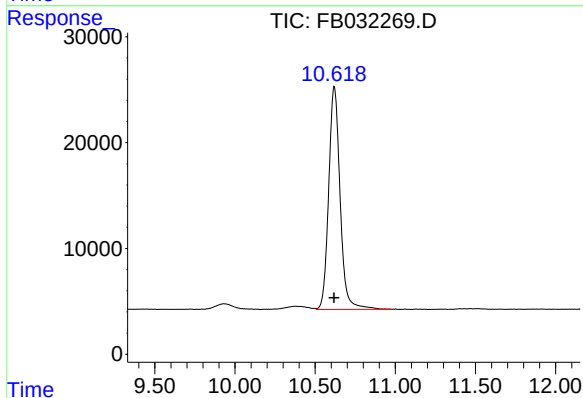
R.T.: 7.889 min
Delta R.T.: 0.000 min
Response: 332478
Conc: 10.00 ng/ml



#5 AAA-TFT

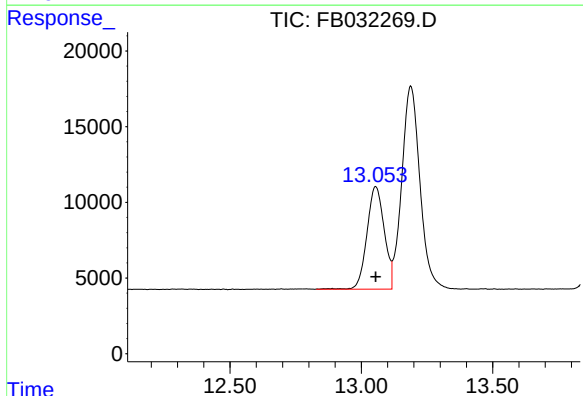
R.T.: 8.791 min
Delta R.T.: 0.000 min
Response: 401913
Conc: 20.00 ng/ml

Instrument :
FID_B
ClientSampleId :
20 GRO STD



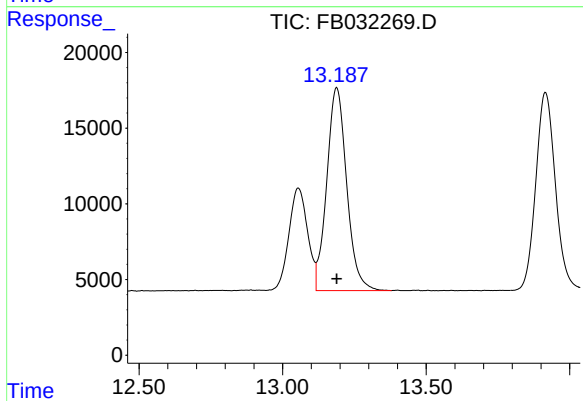
#6 Toluene

R.T.: 10.619 min
Delta R.T.: 0.000 min
Response: 1045068
Conc: 30.00 ng/ml



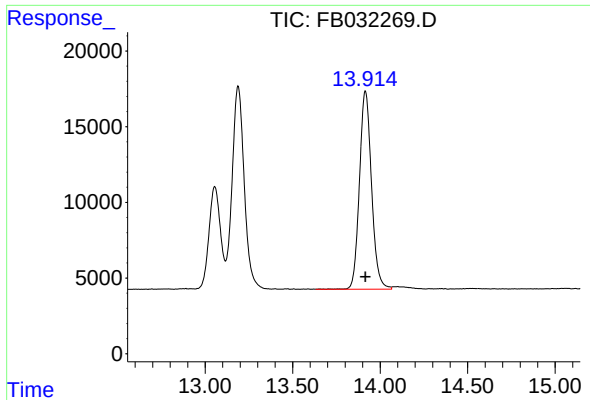
#7 Ethylbenzene

R.T.: 13.055 min
Delta R.T.: 0.000 min
Response: 310764
Conc: 10.00 ng/ml



#8 m-Xylene

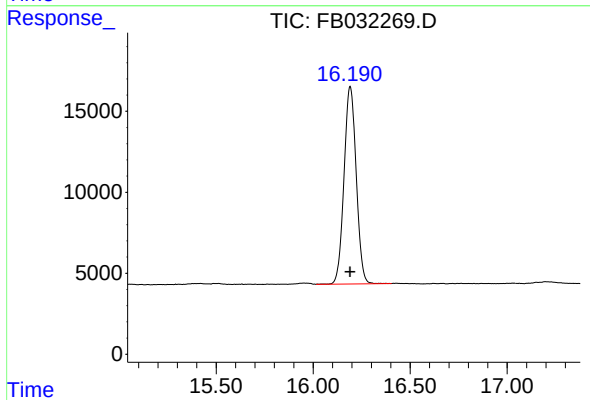
R.T.: 13.189 min
Delta R.T.: 0.000 min
Response: 646179
Conc: 20.00 ng/ml



#9 O-Xylene

R.T.: 13.916 min
Delta R.T.: 0.000 min
Response: 627399
Conc: 20.00 ng/ml

Instrument :
FID_B
ClientSampleId :
20 GRO STD



#10 1,2,4-Trimethylbenzene

R.T.: 16.191 min
Delta R.T.: 0.000 min
Response: 531934
Conc: 20.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB102725\
Data File : FB032269.D
Signal(s) : FID2B.CH
Acq On : 27 Oct 2025 10:38
Sample : 20 GRO STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB102725.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.707	4.537	4.866	BV	10868	791006	75.69%	13.519%
2	7.416	7.198	7.628	BV	10554	885257	84.71%	15.130%
3	7.751	7.628	7.820	VV	5130	278881	26.69%	4.766%
4	7.889	7.820	8.027	VV	6397	332478	31.81%	5.683%
5	8.791	8.623	9.060	BV	7061	401913	38.46%	6.869%
6	10.619	10.507	10.978	VV	21084	1045068	100.00%	17.862%
7	13.055	12.829	13.117	BV	6782	310764	29.74%	5.311%
8	13.189	13.117	13.380	VV	13426	646179	61.83%	11.044%
9	13.916	13.633	14.065	BV	13100	627399	60.03%	10.723%
10	16.191	16.015	16.404	PBA	12191	531934	50.90%	9.092%

Sum of corrected areas: 5850879

FB102725.M Tue Oct 28 04:59:54 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB102725\
 Data File : FB032270.D
 Signal(s) : FID2B.CH
 Acq On : 27 Oct 2025 11:06
 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: Oct 28 04:51:12 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB102725.M
 Quant Title :
 QLast Update : Tue Oct 28 04:50:10 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
5) s AAA-TFT	8.793	1012863	50.402 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.709	2135468	80.991 ng/ml
2) t 2,2,4-Trimethylpentane	7.419	2428009	82.282 ng/ml
3) t n-Heptane	7.752	778345	27.910 ng/ml
4) t Benzene	7.891	959186	28.850 ng/ml
6) t Toluene	10.621	2802013	80.435 ng/ml
7) t Ethylbenzene	13.057	823829	26.510 ng/ml
8) t m-Xylene	13.191	1721184	53.273 ng/ml
9) t O-Xylene	13.918	1647704	52.525 ng/ml
10) t 1,2,4-Trimethylbenzene	16.193	1387789	52.179 ng/ml

(f)=RT Delta > 1/2 Window

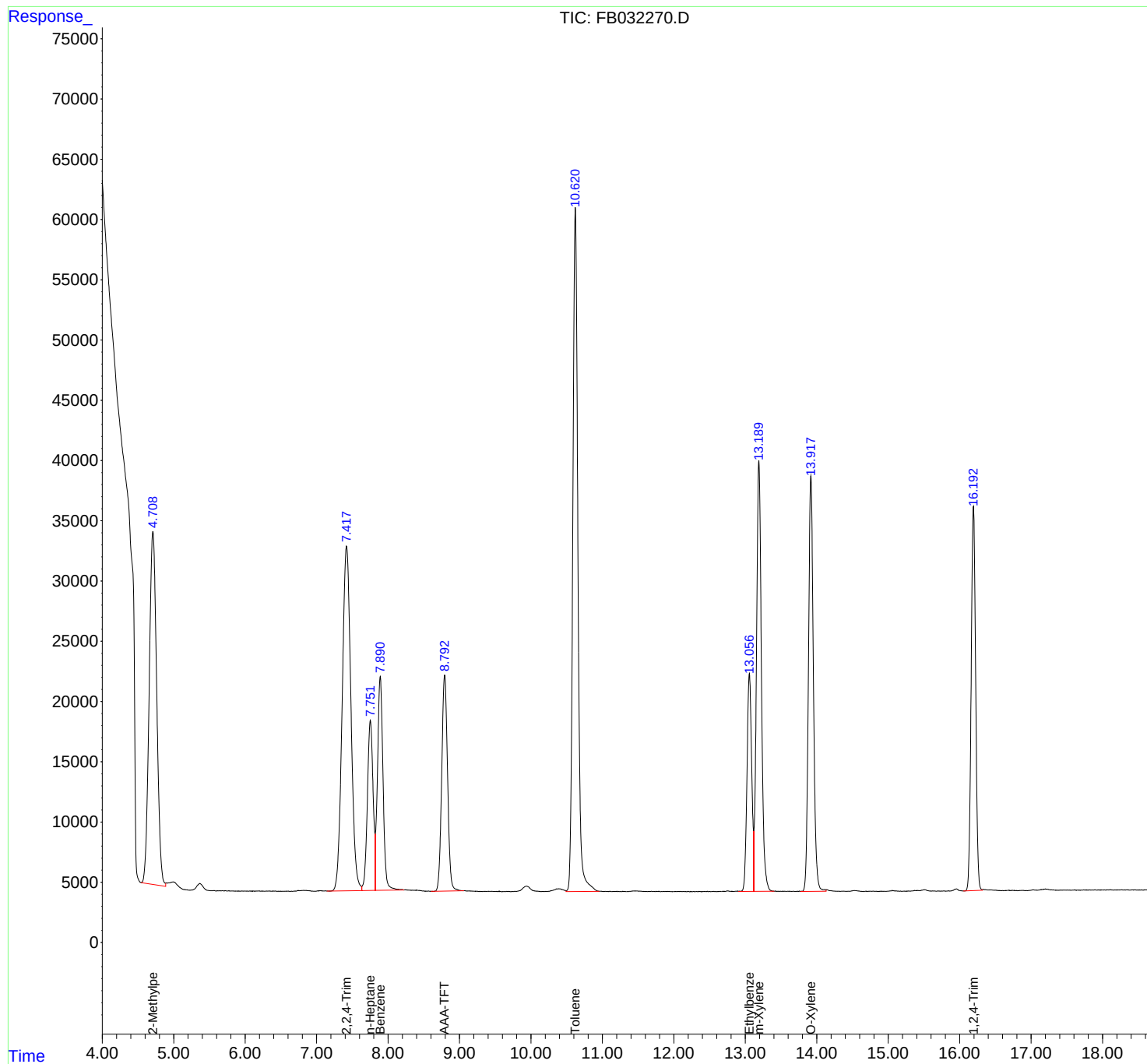
(m)=manual int.

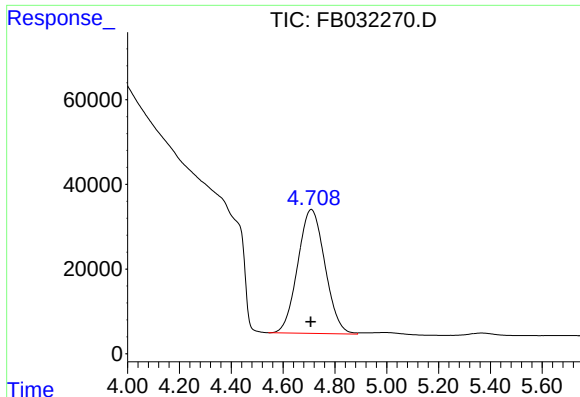
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB102725\
Data File : FB032270.D
Signal(s) : FID2B.CH
Acq On : 27 Oct 2025 11:06
Operator : YP/AJ
Sample : 50 GRO STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
50 GRO STD

Integration File: Calibration.e
Quant Time: Oct 28 04:51:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB102725.M
Quant Title :
QLast Update : Tue Oct 28 04:50:10 2025
Response via : Initial Calibration
Integrator: ChemStation

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

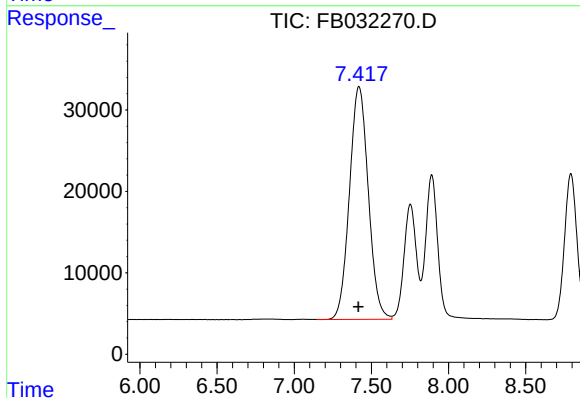




#1 2-Methylpentane

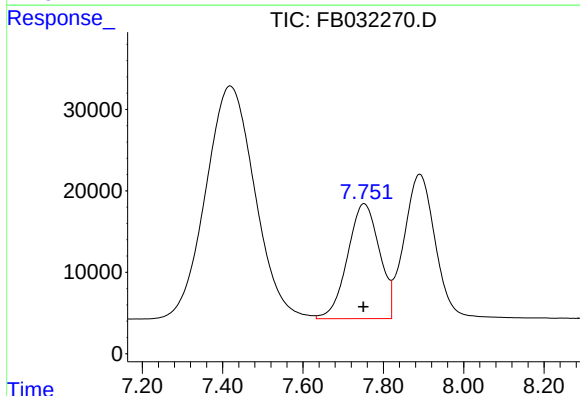
R.T.: 4.709 min
Delta R.T.: 0.002 min
Response: 2135468
Conc: 80.99 ng/ml

Instrument :
FID_B
ClientSampleId :
50 GRO STD



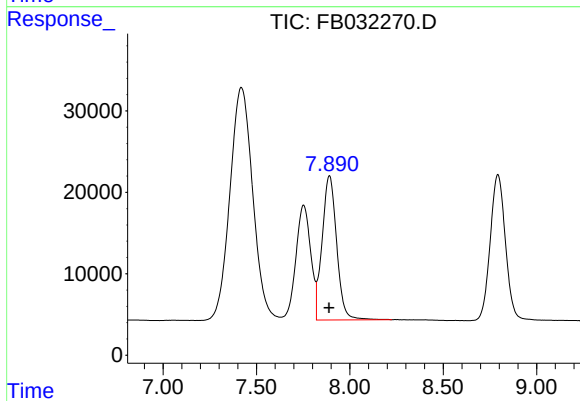
#2 2,2,4-Trimethylpentane

R.T.: 7.419 min
Delta R.T.: 0.003 min
Response: 2428009
Conc: 82.28 ng/ml



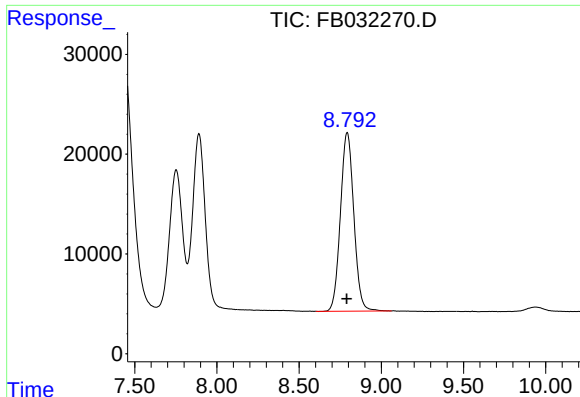
#3 n-Heptane

R.T.: 7.752 min
Delta R.T.: 0.002 min
Response: 778345
Conc: 27.91 ng/ml



#4 Benzene

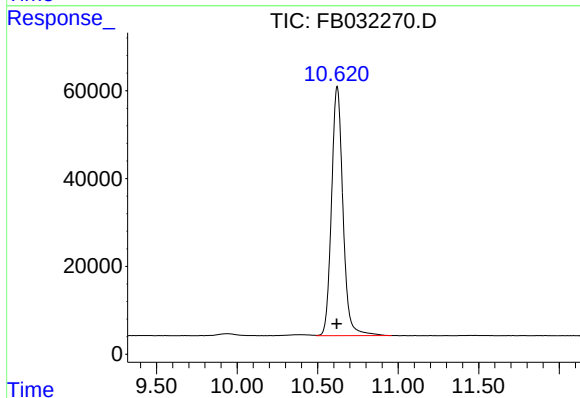
R.T.: 7.891 min
Delta R.T.: 0.002 min
Response: 959186
Conc: 28.85 ng/ml



#5 AAA-TFT

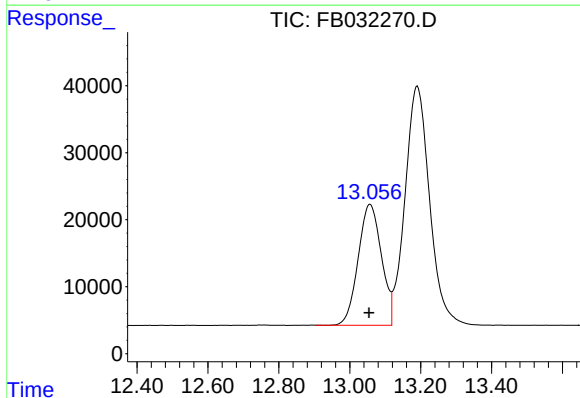
R.T.: 8.793 min
Delta R.T.: 0.002 min
Response: 1012863
Conc: 50.40 ng/ml

Instrument :
FID_B
ClientSampleId :
50 GRO STD



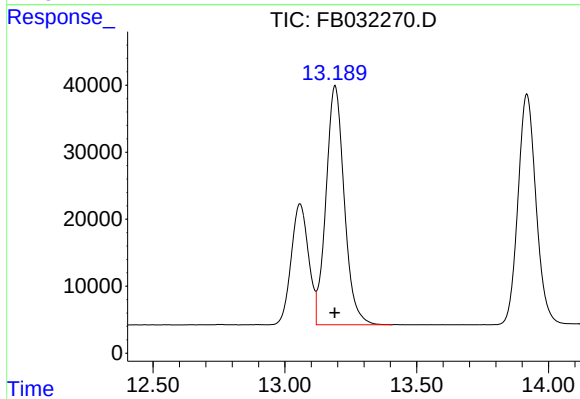
#6 Toluene

R.T.: 10.621 min
Delta R.T.: 0.002 min
Response: 2802013
Conc: 80.44 ng/ml



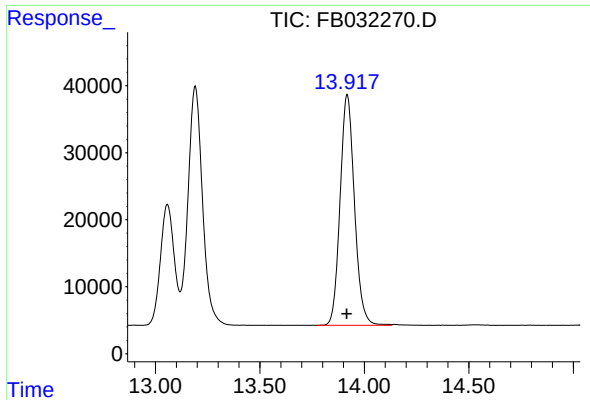
#7 Ethylbenzene

R.T.: 13.057 min
Delta R.T.: 0.002 min
Response: 823829
Conc: 26.51 ng/ml



#8 m-Xylene

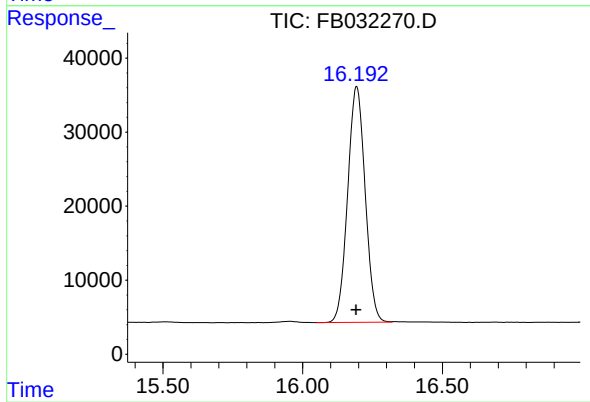
R.T.: 13.191 min
Delta R.T.: 0.002 min
Response: 1721184
Conc: 53.27 ng/ml



#9 O-Xylene

R.T.: 13.918 min
Delta R.T.: 0.002 min
Response: 1647704
Conc: 52.52 ng/ml

Instrument :
FID_B
ClientSampleId :
50 GRO STD



#10 1,2,4-Trimethylbenzene

R.T.: 16.193 min
Delta R.T.: 0.002 min
Response: 1387789
Conc: 52.18 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB102725\
Data File : FB032270.D
Signal(s) : FID2B.CH
Acq On : 27 Oct 2025 11:06
Sample : 50 GRO STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB102725.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	4.543	4.887	BV	29291	2135468	76.21%	13.605%
2	7.419	7.143	7.633	PV	28611	2428009	86.65%	15.469%
3	7.752	7.633	7.821	VV	14130	778345	27.78%	4.959%
4	7.891	7.821	8.225	VV	17729	959186	34.23%	6.111%
5	8.793	8.604	9.063	BV	17930	1012863	36.15%	6.453%
6	10.621	10.491	10.959	VV	56732	2802013	100.00%	17.851%
7	13.057	12.905	13.119	VV	18076	823829	29.40%	5.249%
8	13.191	13.119	13.405	VV	35718	1721184	61.43%	10.965%
9	13.918	13.769	14.131	PV	34452	1647704	58.80%	10.497%
10	16.193	16.049	16.320	PV	31886	1387789	49.53%	8.841%

Sum of corrected areas: 15696389

FB102725.M Tue Oct 28 05:05:26 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB102725\
 Data File : FB032271.D
 Signal(s) : FID2B.CH
 Acq On : 27 Oct 2025 11:34
 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: Oct 28 04:51:27 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB102725.M
 Quant Title :
 QLast Update : Tue Oct 28 04:50:10 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	2060599	102.540 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.705	4614718	175.019 ng/ml
2) t 2,2,4-Trimethylpentane	7.420	5091748	172.552 ng/ml
3) t n-Heptane	7.751	1689329	60.575 ng/ml
4) t Benzene	7.890	2034640	61.196 ng/ml
6) t Toluene	10.621	5799323	166.477 ng/ml
7) t Ethylbenzene	13.057	1681092	54.095 ng/ml
8) t m-Xylene	13.191	3521215	108.986 ng/ml
9) t O-Xylene	13.918	3354073	106.920 ng/ml
10) t 1,2,4-Trimethylbenzene	16.194	2778360	104.463 ng/ml

(f)=RT Delta > 1/2 Window

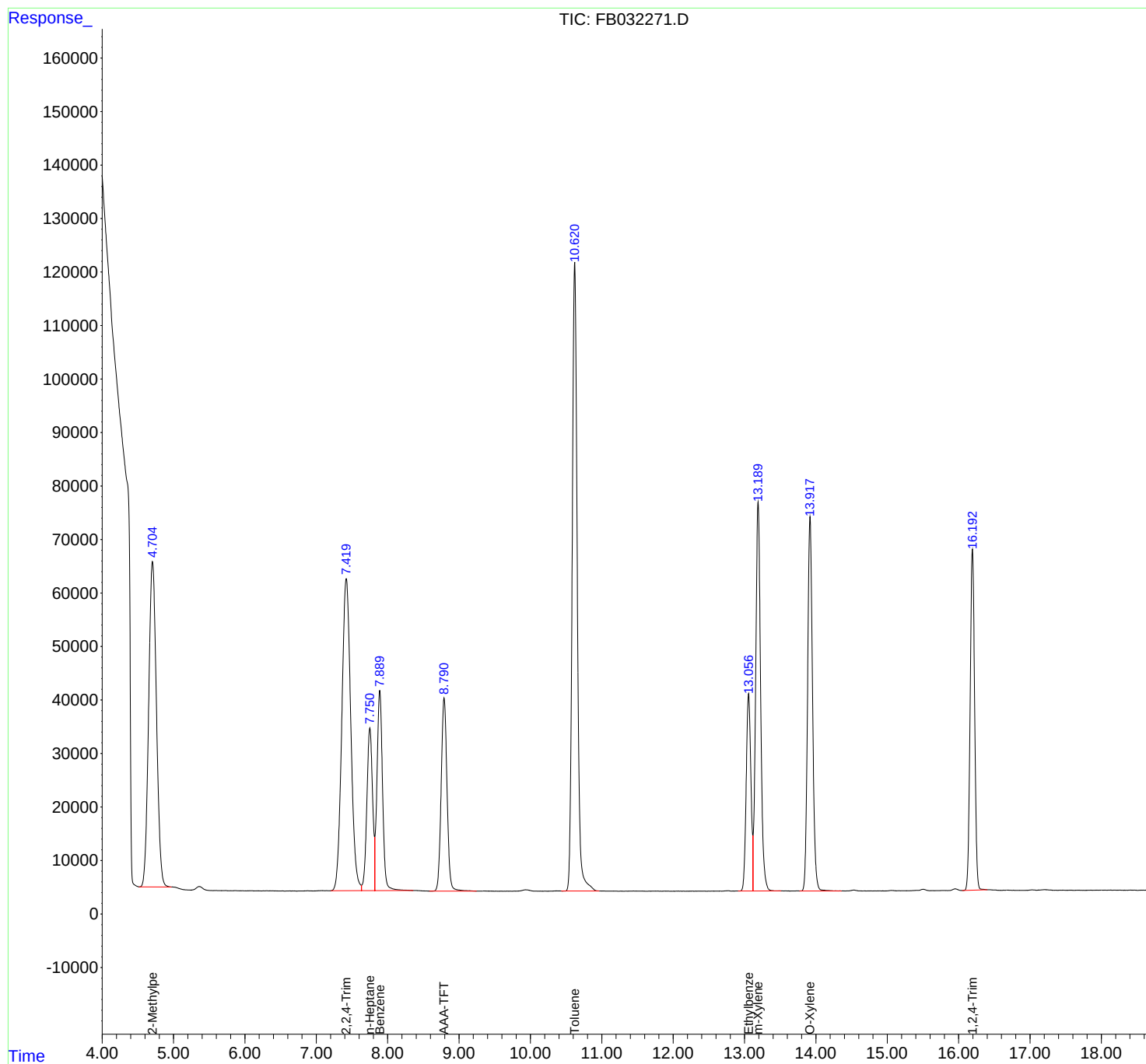
(m)=manual int.

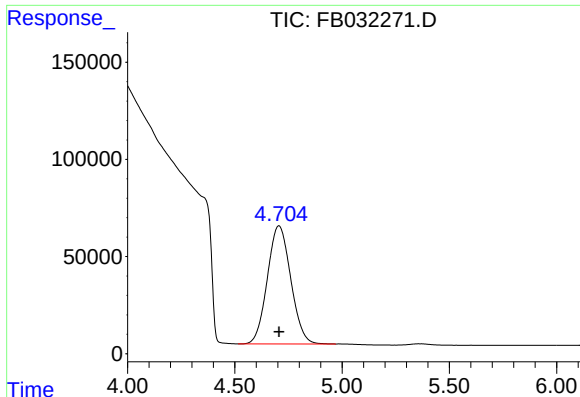
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB102725\
Data File : FB032271.D
Signal(s) : FID2B.CH
Acq On : 27 Oct 2025 11:34
Operator : YP/AJ
Sample : 100 GRO STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
100 GRO STD

Integration File: Calibration.e
Quant Time: Oct 28 04:51:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB102725.M
Quant Title :
QLast Update : Tue Oct 28 04:50:10 2025
Response via : Initial Calibration
Integrator: ChemStation

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

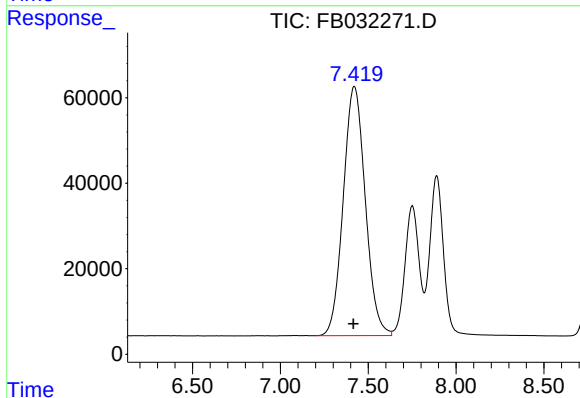




#1 2-Methylpentane

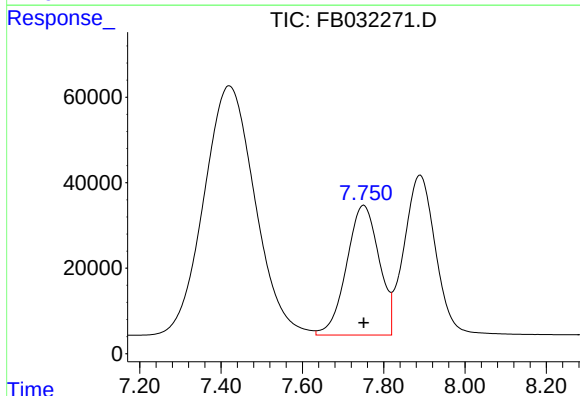
R.T.: 4.705 min
Delta R.T.: -0.002 min
Response: 4614718
Conc: 175.02 ng/ml

Instrument :
FID_B
ClientSampleId :
100 GRO STD



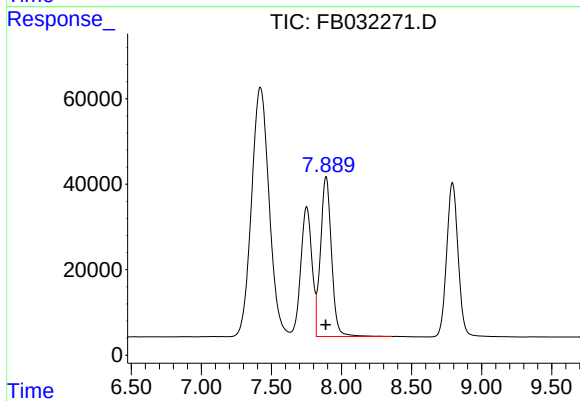
#2 2,2,4-Trimethylpentane

R.T.: 7.420 min
Delta R.T.: 0.004 min
Response: 5091748
Conc: 172.55 ng/ml



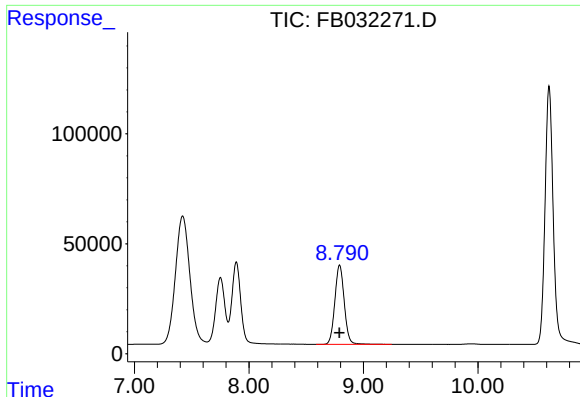
#3 n-Heptane

R.T.: 7.751 min
Delta R.T.: 0.000 min
Response: 1689329
Conc: 60.58 ng/ml



#4 Benzene

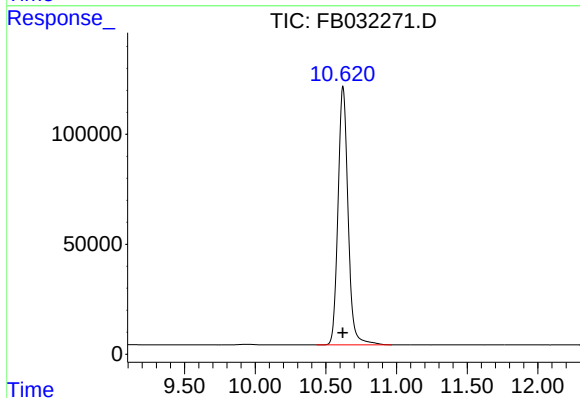
R.T.: 7.890 min
Delta R.T.: 0.000 min
Response: 2034640
Conc: 61.20 ng/ml



#5 AAA-TFT

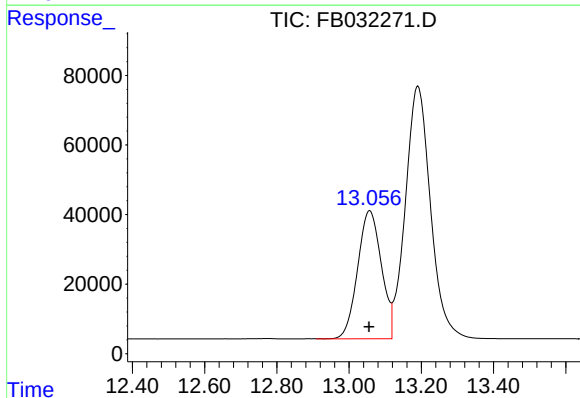
R.T.: 8.791 min
Delta R.T.: 0.000 min
Response: 2060599
Conc: 102.54 ng/ml

Instrument :
FID_B
ClientSampleId :
100 GRO STD



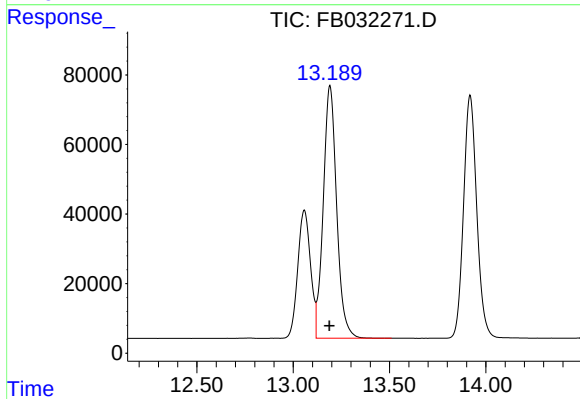
#6 Toluene

R.T.: 10.621 min
Delta R.T.: 0.002 min
Response: 5799323
Conc: 166.48 ng/ml



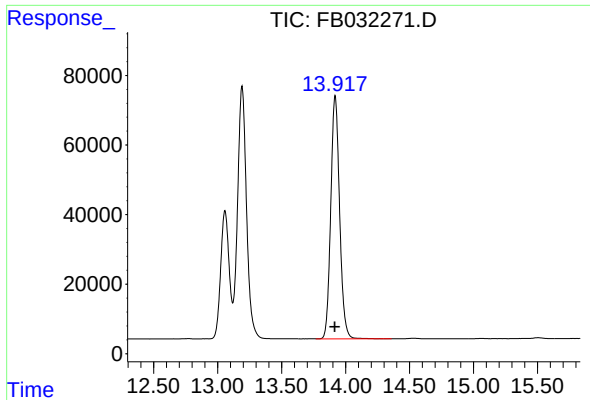
#7 Ethylbenzene

R.T.: 13.057 min
Delta R.T.: 0.003 min
Response: 1681092
Conc: 54.10 ng/ml



#8 m-Xylene

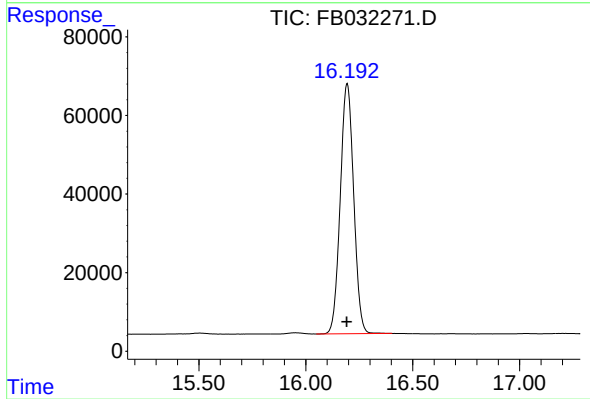
R.T.: 13.191 min
Delta R.T.: 0.002 min
Response: 3521215
Conc: 108.99 ng/ml



#9 O-Xylene

R.T.: 13.918 min
Delta R.T.: 0.002 min
Response: 3354073
Conc: 106.92 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: 2778360
Conc: 104.46 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB102725\
Data File : FB032271.D
Signal(s) : FID2B.CH
Acq On : 27 Oct 2025 11:34
Sample : 100 GRO STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB102725.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.705	4.515	4.971	BV	60819	4614718	79.57%	14.145%
2	7.420	7.203	7.633	PV	58336	5091748	87.80%	15.607%
3	7.751	7.633	7.820	VV	30403	1689329	29.13%	5.178%
4	7.890	7.820	8.359	VV	37452	2034640	35.08%	6.236%
5	8.791	8.587	9.247	BV	36111	2060599	35.53%	6.316%
6	10.621	10.432	10.967	BV	117470	5799323	100.00%	17.776%
7	13.058	12.909	13.119	BV	36880	1681092	28.99%	5.153%
8	13.191	13.119	13.511	VV	72664	3521215	60.72%	10.793%
9	13.918	13.770	14.360	VV	69895	3354073	57.84%	10.281%
10	16.194	16.049	16.403	PBA	63707	2778360	47.91%	8.516%

Sum of corrected areas: 32625096

FB102725.M Tue Oct 28 05:05:58 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB102725\
 Data File : FB032272.D
 Signal(s) : FID2B.CH
 Acq On : 27 Oct 2025 12:20
 Operator : YP/AJ
 Sample : FB1027GROICV
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 FID_B
 ClientSampleId :
 FB1027GROICV

Integration File: Calibration.e
 Quant Time: Oct 28 05:08:18 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB102725.M
 Quant Title :
 QLast Update : Tue Oct 28 04:57:39 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	403255	19.882 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.709	861990	31.465 ng/ml
2) t 2,2,4-Trimethylpentane	7.418	959880	31.155 ng/ml
3) t n-Heptane	7.753	302582	10.327 ng/ml
4) t Benzene	7.891	350778	10.133 ng/ml
6) t Toluene	10.621	1076294	30.080 ng/ml
7) t Ethylbenzene	13.057	322035	10.126 ng/ml
8) t m-Xylene	13.191	679084	20.391 ng/ml
9) t O-Xylene	13.918	653154	20.340 ng/ml
10) t 1,2,4-Trimethylbenzene	16.193	583266	21.079 ng/ml

(f)=RT Delta > 1/2 Window

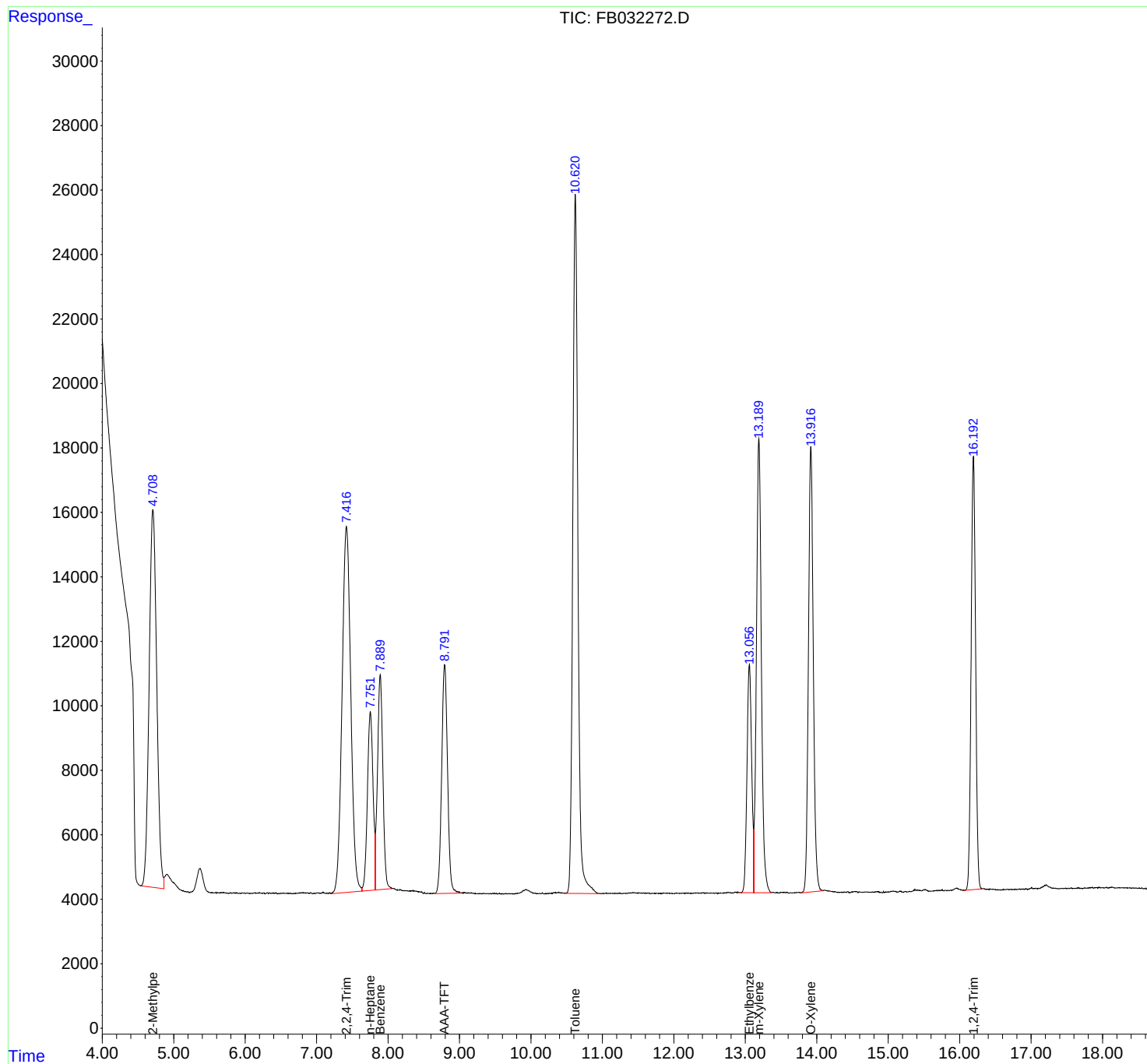
(m)=manual int.

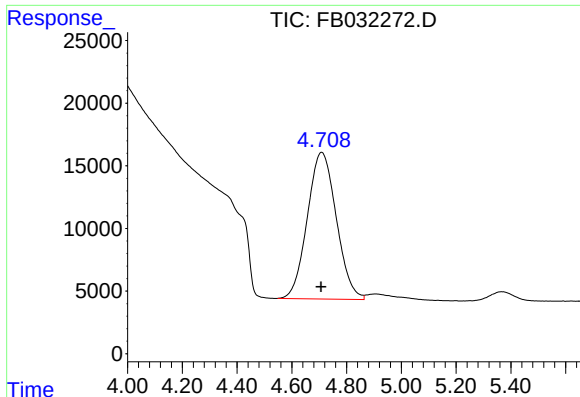
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB102725\
Data File : FB032272.D
Signal(s) : FID2B.CH
Acq On : 27 Oct 2025 12:20
Operator : YP/AJ
Sample : FB1027GROICV
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
FB1027GROICV

Integration File: Calibration.e
Quant Time: Oct 28 05:08:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB102725.M
Quant Title :
QLast Update : Tue Oct 28 04:57:39 2025
Response via : Initial Calibration
Integrator: ChemStation

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

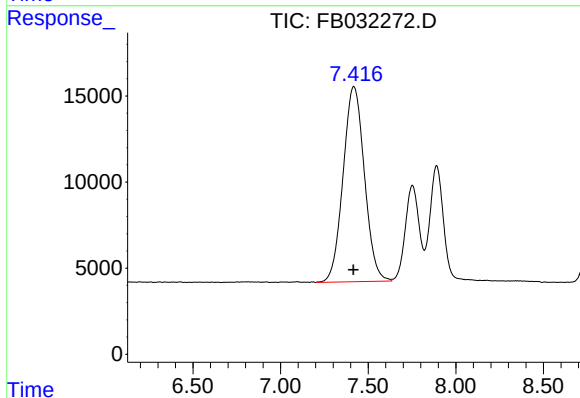




#1 2-Methylpentane

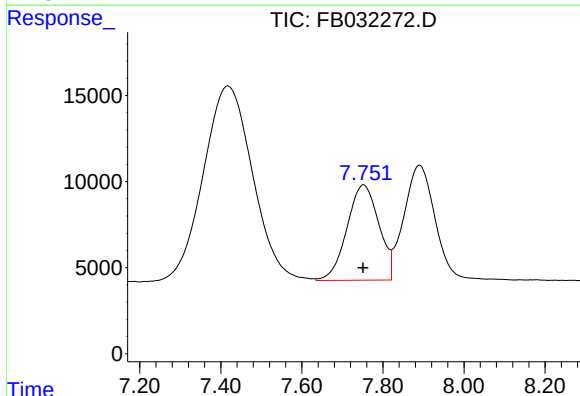
R.T.: 4.709 min
Delta R.T.: 0.002 min
Response: 861990
Conc: 31.47 ng/ml

Instrument :
FID_B
ClientSampleId :
FB1027GROICV



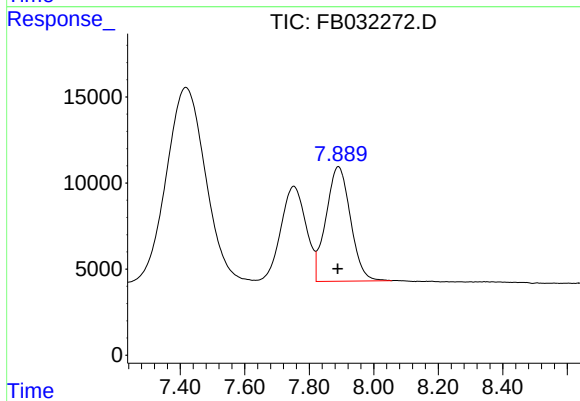
#2 2,2,4-Trimethylpentane

R.T.: 7.418 min
Delta R.T.: 0.002 min
Response: 959880
Conc: 31.16 ng/ml



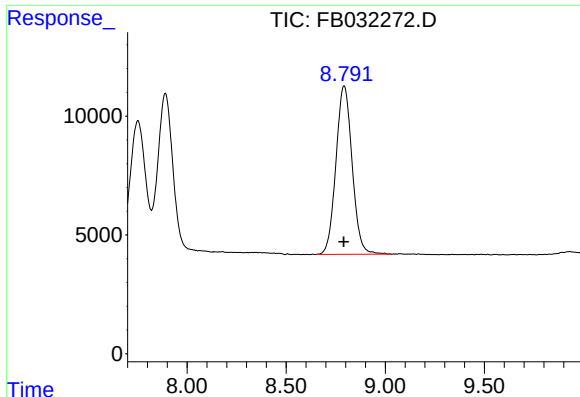
#3 n-Heptane

R.T.: 7.753 min
Delta R.T.: 0.002 min
Response: 302582
Conc: 10.33 ng/ml



#4 Benzene

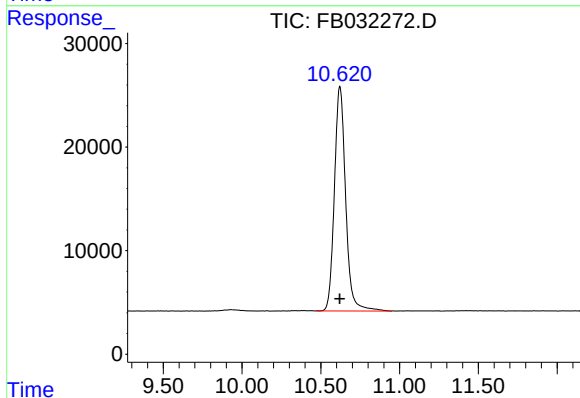
R.T.: 7.891 min
Delta R.T.: 0.002 min
Response: 350778
Conc: 10.13 ng/ml



#5 AAA-TFT

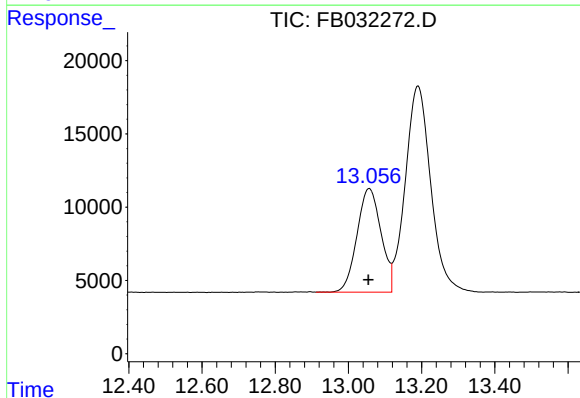
R.T.: 8.792 min
Delta R.T.: 0.002 min
Response: 403255
Conc: 19.88 ng/ml

Instrument :
FID_B
ClientSampleId :
FB1027GROICV



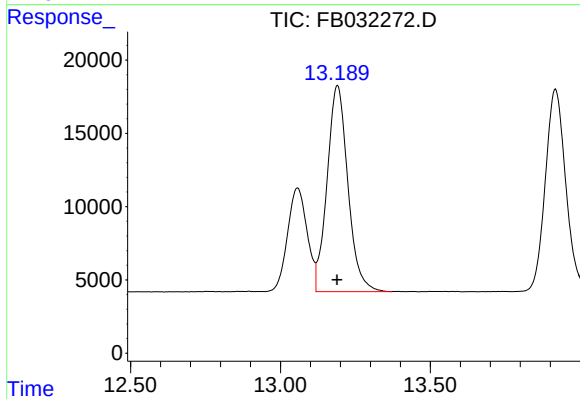
#6 Toluene

R.T.: 10.621 min
Delta R.T.: 0.002 min
Response: 1076294
Conc: 30.08 ng/ml



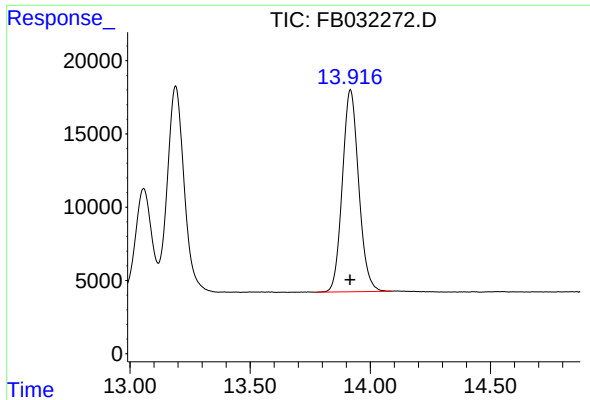
#7 Ethylbenzene

R.T.: 13.057 min
Delta R.T.: 0.002 min
Response: 322035
Conc: 10.13 ng/ml



#8 m-Xylene

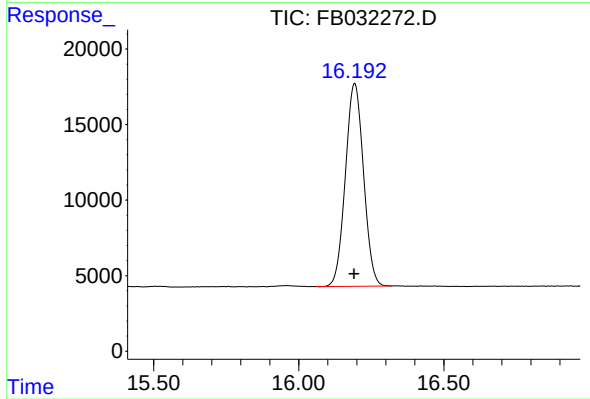
R.T.: 13.191 min
Delta R.T.: 0.002 min
Response: 679084
Conc: 20.39 ng/ml



#9 O-Xylene

R.T.: 13.918 min
Delta R.T.: 0.002 min
Response: 653154
Conc: 20.34 ng/ml

Instrument :
FID_B
ClientSampleId :
FB1027GROICV



#10 1,2,4-Trimethylbenzene

R.T.: 16.193 min
Delta R.T.: 0.002 min
Response: 583266
Conc: 21.08 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB102725\
 Data File : FB032272.D
 Signal(s) : FID2B.CH
 Acq On : 27 Oct 2025 12:20
 Sample : FB1027GR0ICV
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB102725.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	4.548	4.864	PV	11711	861990	80.09%	13.920%
2	7.418	7.204	7.635	BV	11350	959880	89.18%	15.501%
3	7.753	7.635	7.821	VV	5544	302582	28.11%	4.886%
4	7.891	7.821	8.056	VV	6663	350778	32.59%	5.665%
5	8.792	8.651	9.032	VV	7092	403255	37.47%	6.512%
6	10.621	10.471	10.951	BV	21676	1076294	100.00%	17.381%
7	13.057	12.912	13.119	BV	7075	322035	29.92%	5.201%
8	13.191	13.119	13.371	VV	14074	679084	63.09%	10.967%
9	13.918	13.775	14.090	PV	13804	653154	60.69%	10.548%
10	16.193	16.060	16.320	BV	13441	583266	54.19%	9.419%

Sum of corrected areas: 6192319

FB102725.M Tue Oct 28 05:09:18 2025

GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Alliane Contract: ALLI03
ProjectID: NJ Soil PT
Lab Code: ACE SDG No.: Q3483
DataFile: FB032285.D Analyst Name: YP/AJ Analyst Date: 11-04-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	6648319	36935	31325	17.909

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB110425\
 Data File : FB032285.D
 Signal(s) : FID2B.CH
 Acq On : 4 Nov 2025 8:23
 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: Nov 04 22:35:45 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB102725.M
 Quant Title :
 QLast Update : Tue Oct 28 04:57:39 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	443510	21.866 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.709	919363	33.560 ng/ml
2) t 2,2,4-Trimethylpentane	7.414	1042928	33.851 ng/ml
3) t n-Heptane	7.750	342997	11.706 ng/ml
4) t Benzene	7.888	399643	11.544 ng/ml
6) t Toluene	10.619	1278235	35.724 ng/ml
7) t Ethylbenzene	13.055	378121	11.889 ng/ml
8) t m-Xylene	13.188	879503	26.409 ng/ml
9) t O-Xylene	13.915	738772	23.006 ng/ml
10) t 1,2,4-Trimethylbenzene	16.191	668757	24.169 ng/ml

(f)=RT Delta > 1/2 Window

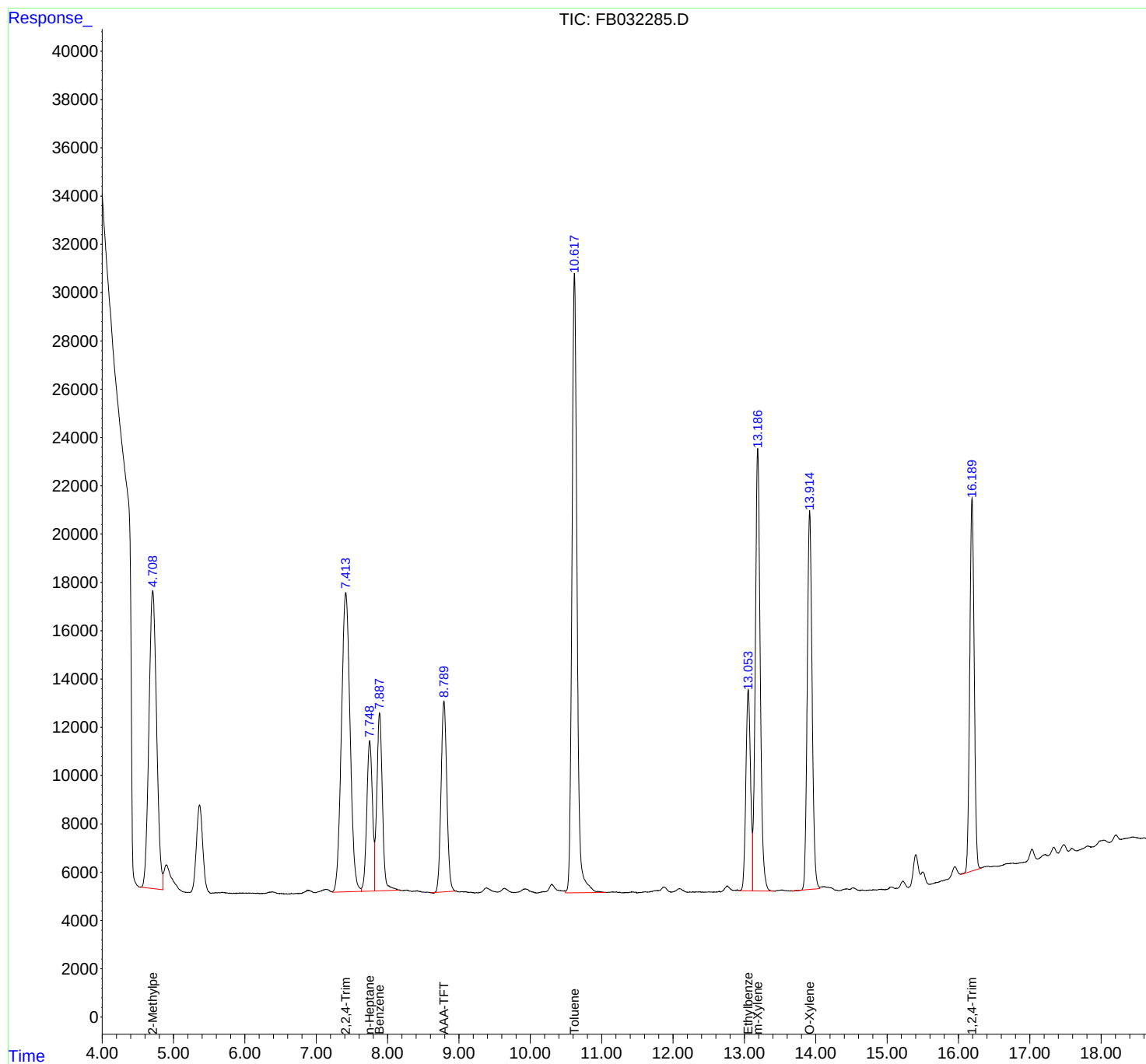
(m)=manual int.

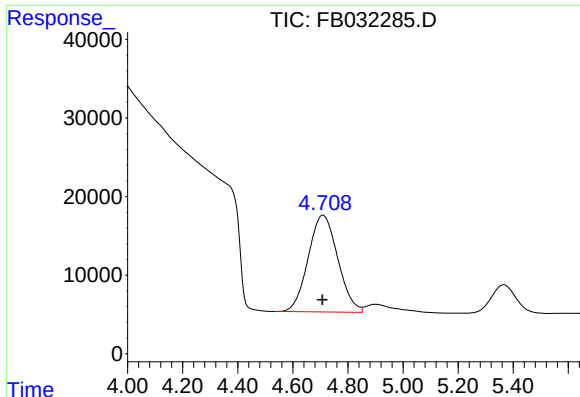
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB110425\
Data File : FB032285.D
Signal(s) : FID2B.CH
Acq On : 4 Nov 2025 8:23
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Nov 04 22:35:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB102725.M
Quant Title :
QLast Update : Tue Oct 28 04:57:39 2025
Response via : Initial Calibration
Integrator: ChemStation

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

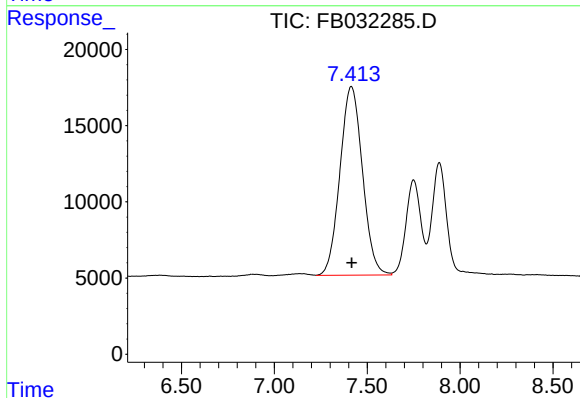




#1 2-Methylpentane

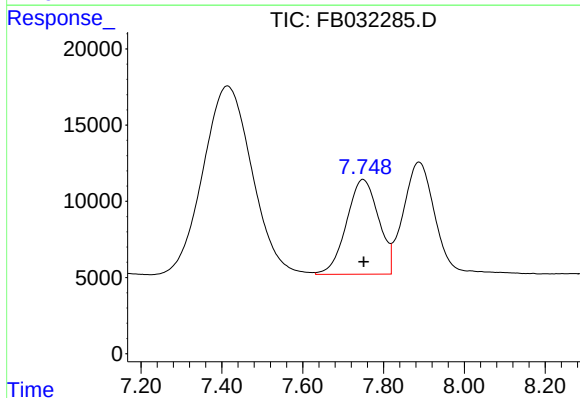
R.T.: 4.709 min
Delta R.T.: 0.002 min
Response: 919363
Conc: 33.56 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



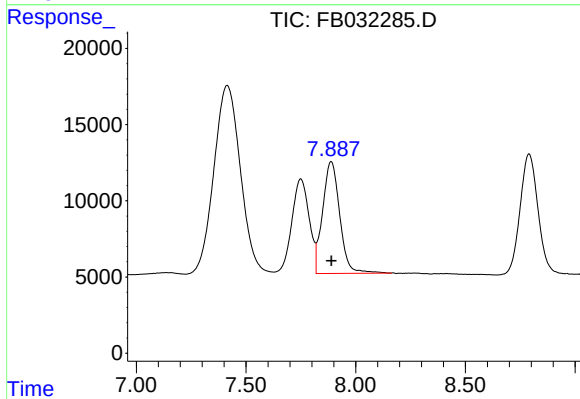
#2 2,2,4-Trimethylpentane

R.T.: 7.414 min
Delta R.T.: -0.002 min
Response: 1042928
Conc: 33.85 ng/ml



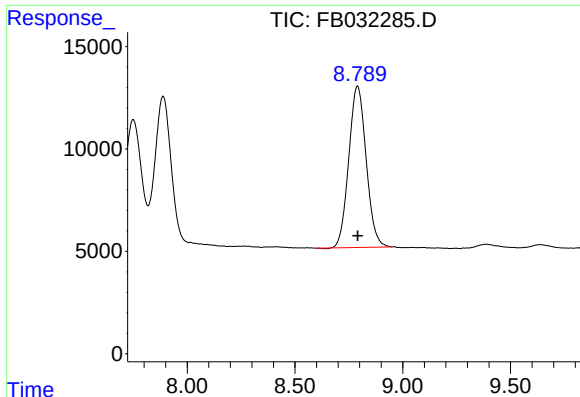
#3 n-Heptane

R.T.: 7.750 min
Delta R.T.: -0.001 min
Response: 342997
Conc: 11.71 ng/ml



#4 Benzene

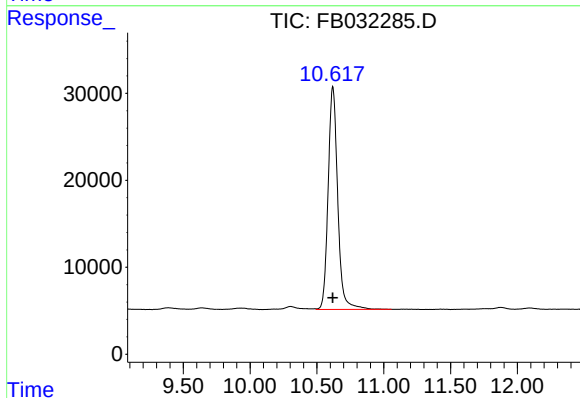
R.T.: 7.888 min
Delta R.T.: 0.000 min
Response: 399643
Conc: 11.54 ng/ml



#5 AAA-TFT

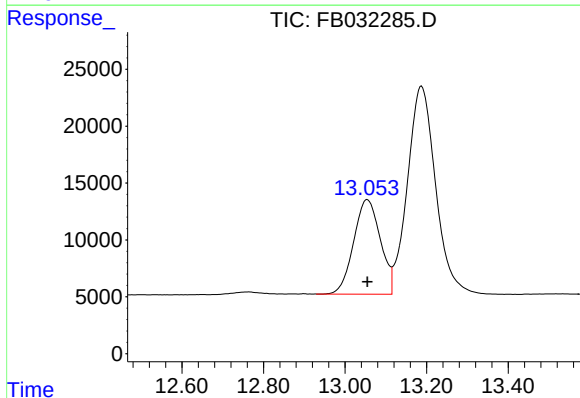
R.T.: 8.790 min
Delta R.T.: 0.000 min
Response: 443510
Conc: 21.87 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



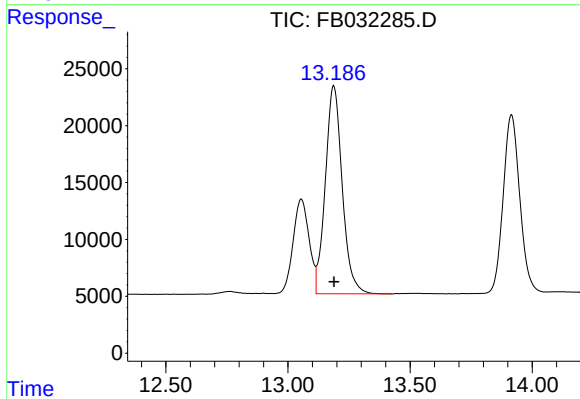
#6 Toluene

R.T.: 10.619 min
Delta R.T.: 0.000 min
Response: 1278235
Conc: 35.72 ng/ml



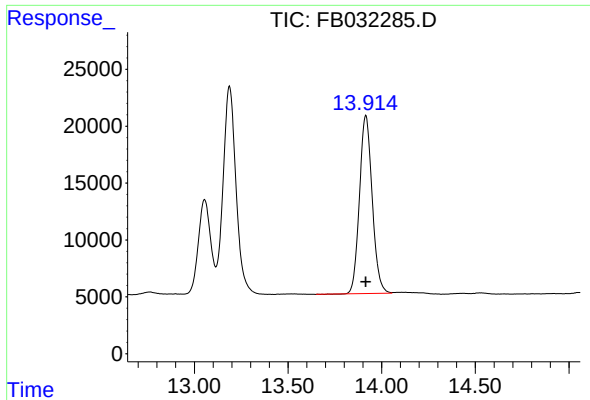
#7 Ethylbenzene

R.T.: 13.055 min
Delta R.T.: 0.000 min
Response: 378121
Conc: 11.89 ng/ml



#8 m-Xylene

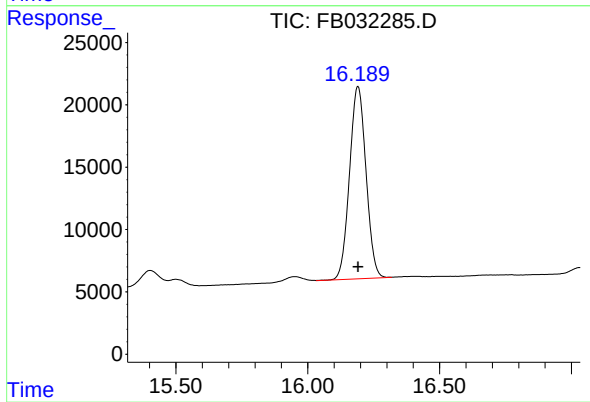
R.T.: 13.188 min
Delta R.T.: -0.001 min
Response: 879503
Conc: 26.41 ng/ml



#9 O-Xylene

R.T.: 13.915 min
Delta R.T.: 0.000 min
Response: 738772
Conc: 23.01 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



#10 1,2,4-Trimethylbenzene

R.T.: 16.191 min
Delta R.T.: 0.000 min
Response: 668757
Conc: 24.17 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB110425\
Data File : FB032285.D
Signal(s) : FID2B.CH
Acq On : 4 Nov 2025 8:23
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB102725.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	4.534	4.851	BV	12335	919363	71.92%	12.964%
2	7.414	7.226	7.632	VV	12392	1042928	81.59%	14.706%
3	7.750	7.632	7.819	VV	6229	342997	26.83%	4.837%
4	7.888	7.819	8.164	VV	7355	399643	31.27%	5.635%
5	8.790	8.598	8.949	BV	7898	443510	34.70%	6.254%
6	10.619	10.494	11.059	VV	25637	1278235	100.00%	18.024%
7	13.055	12.929	13.115	BV	8321	378121	29.58%	5.332%
8	13.188	13.115	13.424	VV	18308	879503	68.81%	12.402%
9	13.915	13.650	14.053	BV	15678	738772	57.80%	10.417%
10	16.191	16.032	16.319	VV	15429	668757	52.32%	9.430%

Sum of corrected areas: 7091829

FB102725.M Tue Nov 04 23:13:47 2025

GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Alliane Contract: ALLI03
ProjectID: NJ Soil PT
Lab Code: ACE SDG No.: Q3483
DataFile: FB032296.D Analyst Name: YP/AJ Analyst Date: 11-04-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	6577907	36544	31325	16.661

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB110425\
 Data File : FB032296.D
 Signal(s) : FID2B.CH
 Acq On : 4 Nov 2025 14:09
 Operator : YP/AJ
 Sample : 20 PPB GRO STD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_B
 ClientSampleId :
 20 PPB GRO STD

Integration File: Calibration.e
 Quant Time: Nov 04 22:36:48 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB102725.M
 Quant Title :
 QLast Update : Tue Oct 28 04:57:39 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	418572	20.637 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.714	873687	31.892 ng/ml
2) t 2,2,4-Trimethylpentane	7.422	1015648	32.965 ng/ml
3) t n-Heptane	7.758	323594	11.044 ng/ml
4) t Benzene	7.896	399006	11.526 ng/ml
6) t Toluene	10.625	1245258	34.802 ng/ml
7) t Ethylbenzene	13.061	382769	12.035 ng/ml
8) t m-Xylene	13.194	880675	26.445 ng/ml
9) t O-Xylene	13.921	758934	23.634 ng/ml
10) t 1,2,4-Trimethylbenzene	16.197	698336	25.238 ng/ml

(f)=RT Delta > 1/2 Window

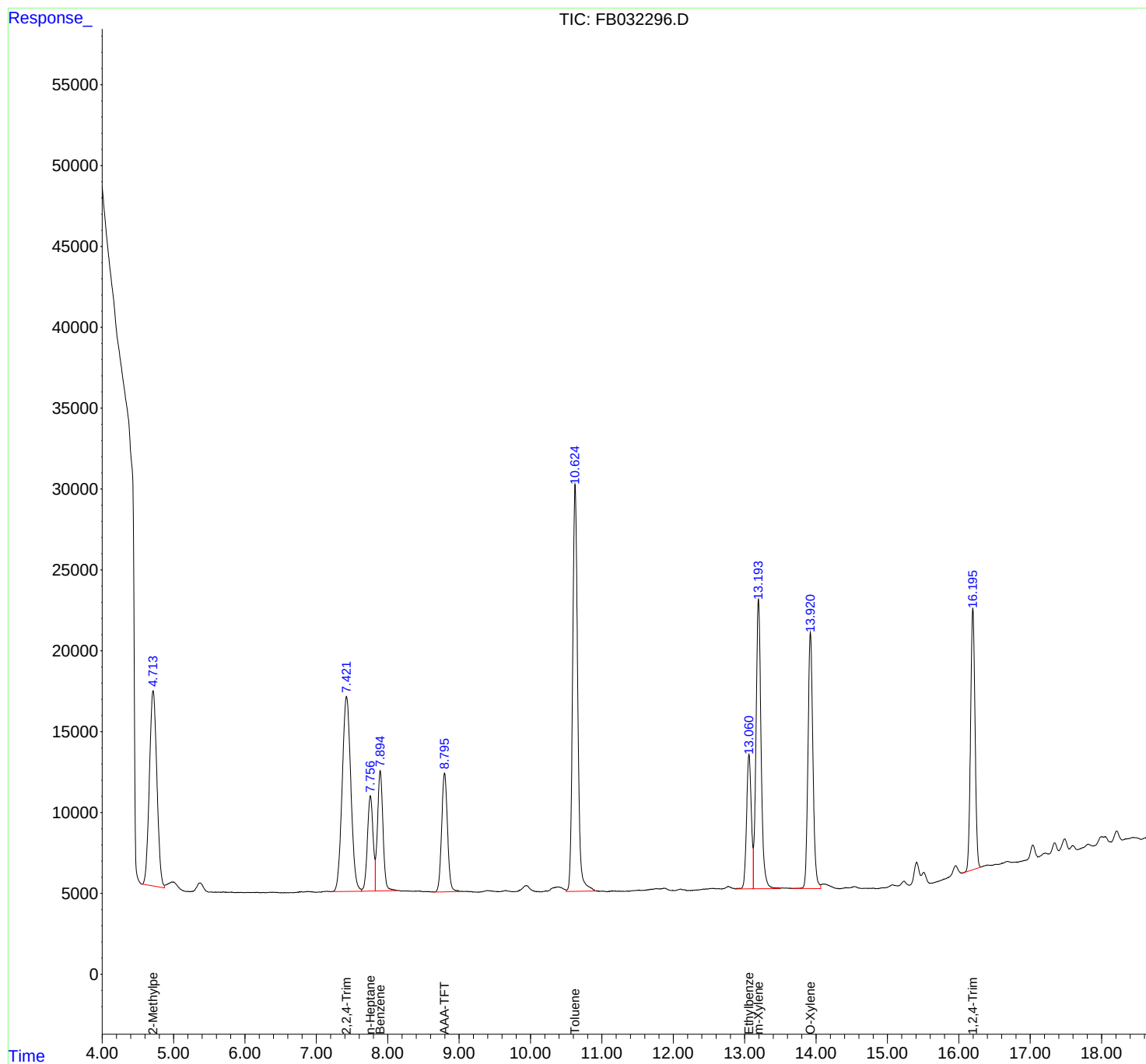
(m)=manual int.

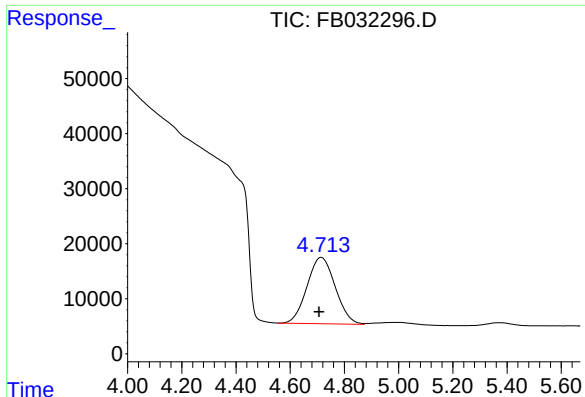
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB110425\
Data File : FB032296.D
Signal(s) : FID2B.CH
Acq On : 4 Nov 2025 14:09
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Nov 04 22:36:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB102725.M
Quant Title :
QLast Update : Tue Oct 28 04:57:39 2025
Response via : Initial Calibration
Integrator: ChemStation

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

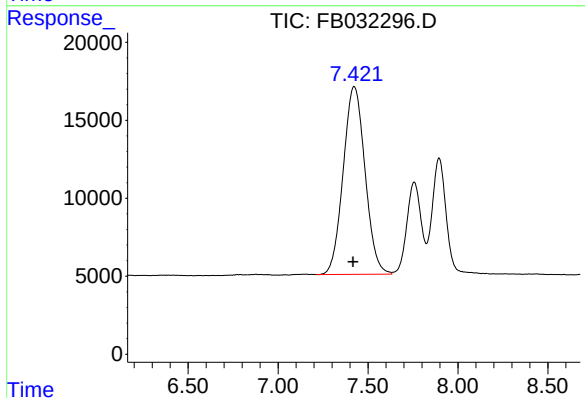




#1 2-Methylpentane

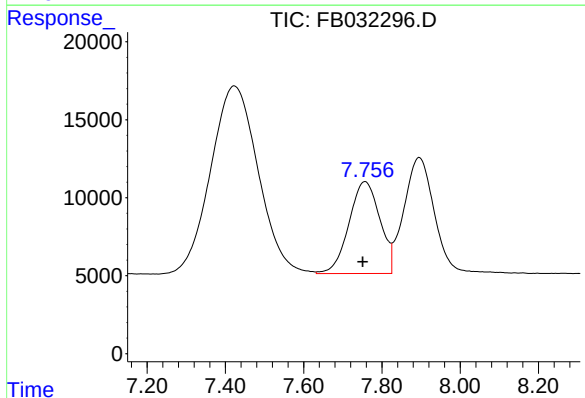
R.T.: 4.714 min
Delta R.T.: 0.007 min
Response: 873687
Conc: 31.89 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



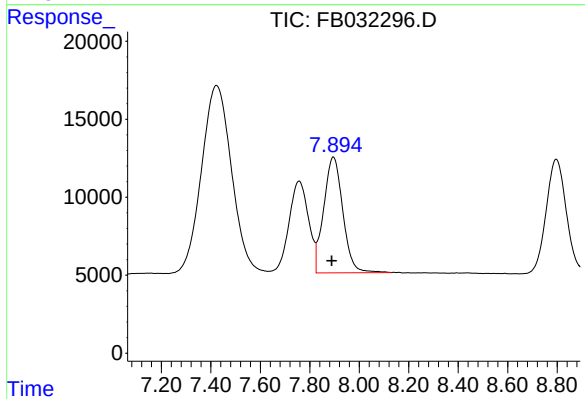
#2 2,2,4-Trimethylpentane

R.T.: 7.422 min
Delta R.T.: 0.006 min
Response: 1015648
Conc: 32.97 ng/ml



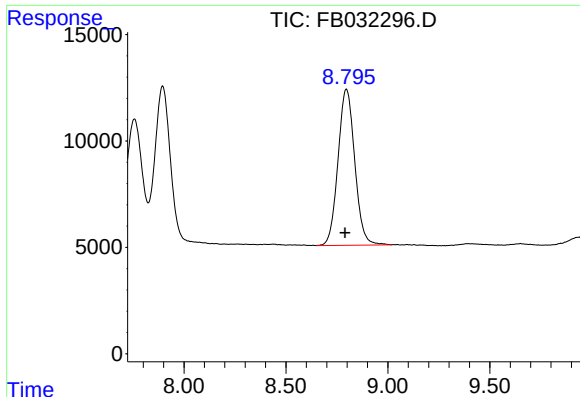
#3 n-Heptane

R.T.: 7.758 min
Delta R.T.: 0.007 min
Response: 323594
Conc: 11.04 ng/ml



#4 Benzene

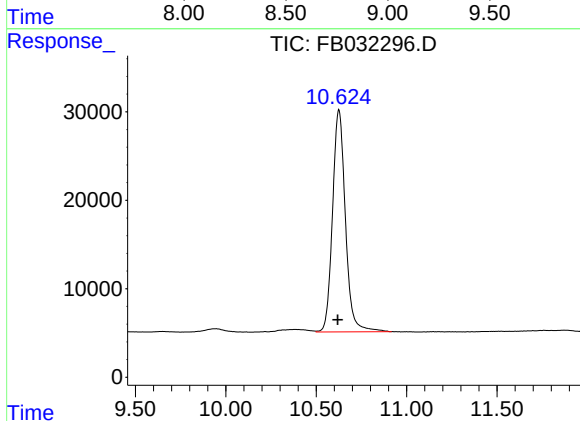
R.T.: 7.896 min
Delta R.T.: 0.007 min
Response: 399006
Conc: 11.53 ng/ml



#5 AAA-TFT

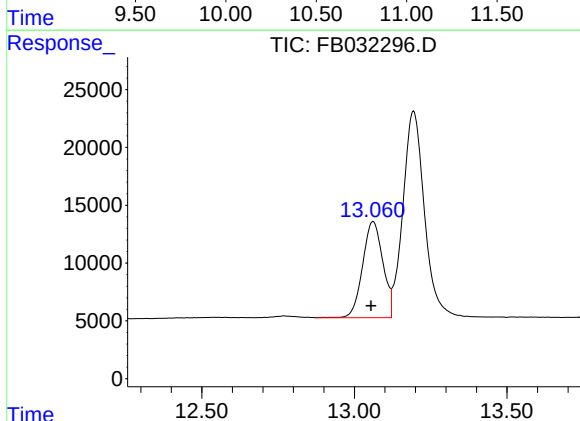
R.T.: 8.797 min
Delta R.T.: 0.006 min
Response: 418572
Conc: 20.64 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



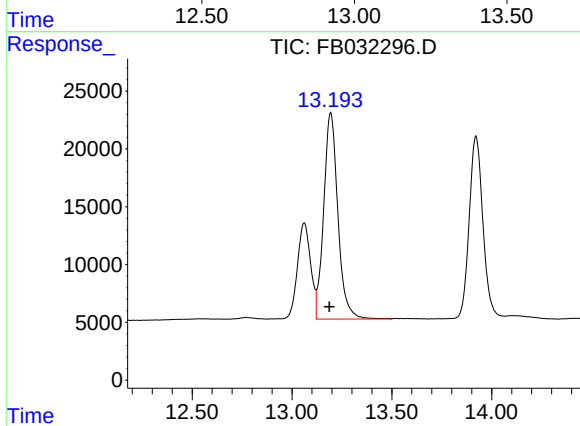
#6 Toluene

R.T.: 10.625 min
Delta R.T.: 0.006 min
Response: 1245258
Conc: 34.80 ng/ml



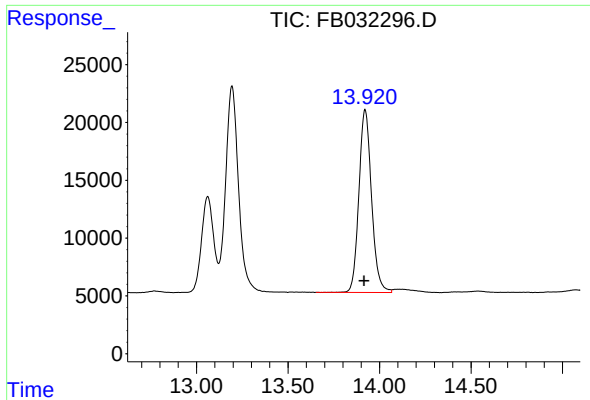
#7 Ethylbenzene

R.T.: 13.061 min
Delta R.T.: 0.006 min
Response: 382769
Conc: 12.04 ng/ml



#8 m-Xylene

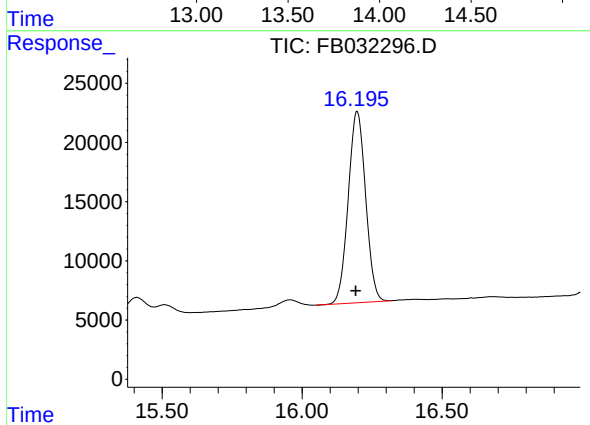
R.T.: 13.194 min
Delta R.T.: 0.005 min
Response: 880675
Conc: 26.44 ng/ml



#9 O-Xylene

R.T.: 13.921 min
Delta R.T.: 0.006 min
Response: 758934
Conc: 23.63 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



#10 1,2,4-Trimethylbenzene

R.T.: 16.197 min
Delta R.T.: 0.006 min
Response: 698336
Conc: 25.24 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB110425\
Data File : FB032296.D
Signal(s) : FID2B.CH
Acq On : 4 Nov 2025 14:09
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB102725.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	4.554	4.873	BV	12071	873687	70.16%	12.488%
2	7.422	7.212	7.632	BV	12050	1015648	81.56%	14.517%
3	7.758	7.632	7.825	VV	5892	323594	25.99%	4.625%
4	7.896	7.825	8.130	VV	7434	399006	32.04%	5.703%
5	8.797	8.648	9.018	PV	7341	418572	33.61%	5.983%
6	10.625	10.499	10.917	VV	25142	1245258	100.00%	17.798%
7	13.061	12.873	13.121	VV	8324	382769	30.74%	5.471%
8	13.194	13.121	13.500	VV	17868	880675	70.72%	12.587%
9	13.921	13.653	14.066	BV	15816	758934	60.95%	10.847%
10	16.197	16.049	16.319	PV	16176	698336	56.08%	9.981%

Sum of corrected areas: 6996480

FB102725.M Tue Nov 04 23:16:38 2025

Analytical Sequence

Client: Alliance Technical Group, LLC - Newark

SDG No.: Q3483

Project: NJ Soil PT

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 8.7908					
CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE AND TIME ANALYZED	DATAFILE	RT	#
20 PPB GRO STD	20 PPB GRO STD	4 Nov 2025 8:23	FB032285.D	8.790	
VBF1104S2	VBF1104S2	4 Nov 2025 9:42	FB032287.D	8.795	
BSF1104S1	BSF1104S1	4 Nov 2025 10:10	FB032288.D	8.795	
BSF1104S2	BSF1104S2	4 Nov 2025 10:37	FB032289.D	8.796	
HW1025-PT-GAS-SOIL	Q3483-15	4 Nov 2025 12:46	FB032293.D	8.822	
20 PPB GRO STD	20 PPB GRO STD	4 Nov 2025 14:09	FB032296.D	8.797	

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

QC Limits
(± 0.10 minutes)

Lower Limit
8.6908

Upper Limits
8.8908



QC SAMPLE DATA

- 1
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- 7
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Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ Soil PT	Date Received:	
Client Sample ID:	VBF1104S2	SDG No.:	Q3483
Lab Sample ID:	VBF1104S2	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	100
Sample Wt/Vol:	5 g	Test:	Gasoline Range Organics
	Final Vol: 5 mL		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
GRO	GRO	413	U	50	413	2250	ug/kg	11/04/25 9:42	FB110425
SURROGATES									
98-08-8	Alpha,Alpha,Alpha-Trifluor	22.5			50 - 150	112%	SPK: 20		

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

Q3483-Gasoline Range Organics

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\FB110425\
Data File : FB032287.D
Signal(s) : FID2B.CH
Acq On : 4 Nov 2025 9:42
Operator : YP/AJ
Sample : VBF1104S2 50X
Misc : 5.00G/5.00 ML MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF1104S2

Integration File: Calibration.e
Quant Time: Nov 04 22:35:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB102725.M
Quant Title :
QLast Update : Tue Oct 28 04:57:39 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	456092	22.487 ng/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

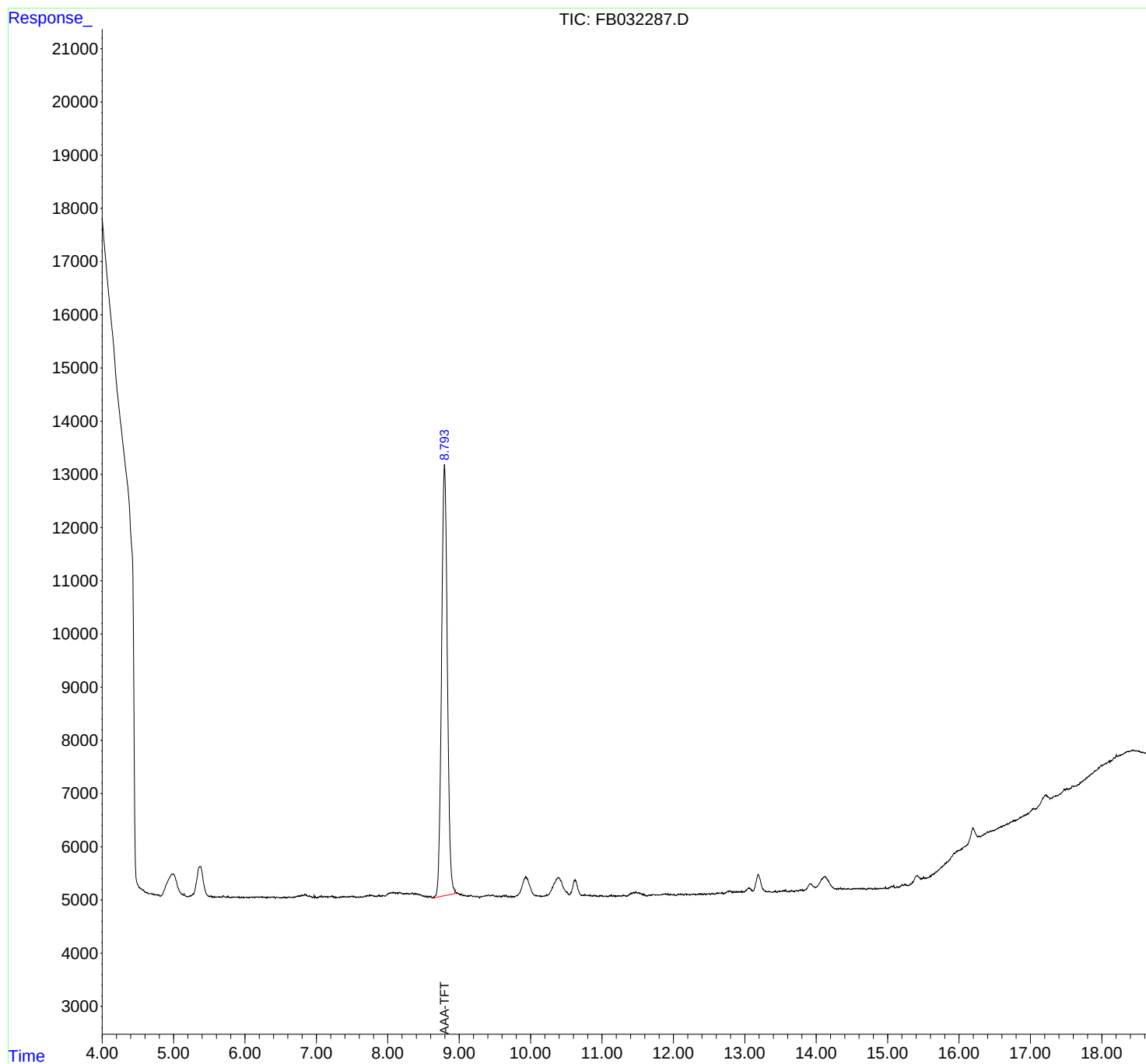
(m)=manual int.

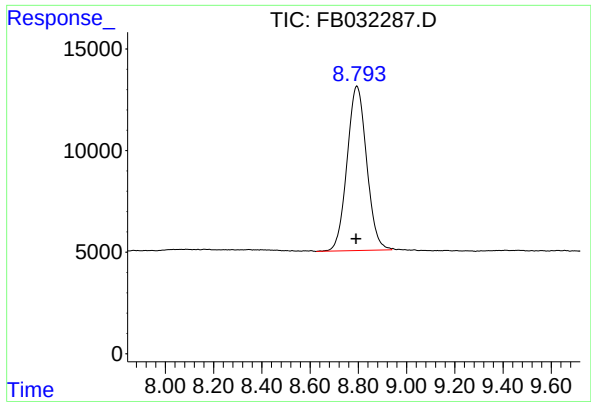
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB110425\
Data File : FB032287.D
Signal(s) : FID2B.CH
Acq On : 4 Nov 2025 9:42
Operator : YP/AJ
Sample : VBF1104S2 50X
Misc : 5.00G/5.00 ML MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF1104S2

Integration File: Calibration.e
Quant Time: Nov 04 22:35:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB102725.M
Quant Title :
QLast Update : Tue Oct 28 04:57:39 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#5 AAA-TFT

R.T.: 8.795 min
Delta R.T.: 0.004 min
Response: 456092
Conc: 22.49 ng/ml

Instrument :
FID_B
ClientSampleId :
VBF1104S2

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rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB110425\
Data File : FB032287.D
Signal(s) : FID2B.CH
Acq On : 4 Nov 2025 9:42
Sample : VBF1104S2 50X
Misc : 5.00G/5.00 ML ME0H
ALS Vial : 3 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB102725.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	8.795	8.625	8.938	PV	8101	456092	100.00%	100.000%
Sum of corrected areas:						456092		

FB102725.M Tue Nov 04 23:14:23 2025

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	
Project:	NJ Soil PT		Date Received:	
Client Sample ID:	BSF1104S1		SDG No.:	Q3483
Lab Sample ID:	BSF1104S1		Matrix:	SOIL
Analytical Method:	8015D GRO		% Solid:	100
Sample Wt/Vol:	5 g	Final Vol: 5 mL	Test:	Gasoline Range Organics

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
GRO	GRO	224		1	8.00	45.0	ug/kg	11/04/25 10:10	FB110425
SURROGATES									
98-08-8	Alpha,Alpha,Alpha-Trifluor	23.1			50 - 150	115%	SPK: 20		

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

Q3483-Gasoline Range Organics

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\FB110425\
 Data File : FB032288.D
 Signal(s) : FID2B.CH
 Acq On : 4 Nov 2025 10:10
 Operator : YP/AJ
 Sample : BSF1104S1
 Misc : 5.00G/5.00 ML DI WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 FID_B
 ClientSampleId :
 BSF1104S1

Integration File: Calibration.e
 Quant Time: Nov 04 22:36:01 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB102725.M
 Quant Title :
 QLast Update : Tue Oct 28 04:57:39 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	467627	23.055 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.715	1062860	38.798 ng/ml
2) t 2,2,4-Trimethylpentane	7.423	1193856	38.750 ng/ml
3) t n-Heptane	7.755	386206	13.181 ng/ml
4) t Benzene	7.894	441695	12.759 ng/ml
6) t Toluene	10.624	1299647	36.322 ng/ml
7) t Ethylbenzene	13.060	384186	12.080 ng/ml
8) t m-Xylene	13.193	819819	24.617 ng/ml
9) t O-Xylene	13.920	780572	24.308 ng/ml
10) t 1,2,4-Trimethylbenzene	16.196	654511	23.654 ng/ml

(f)=RT Delta > 1/2 Window

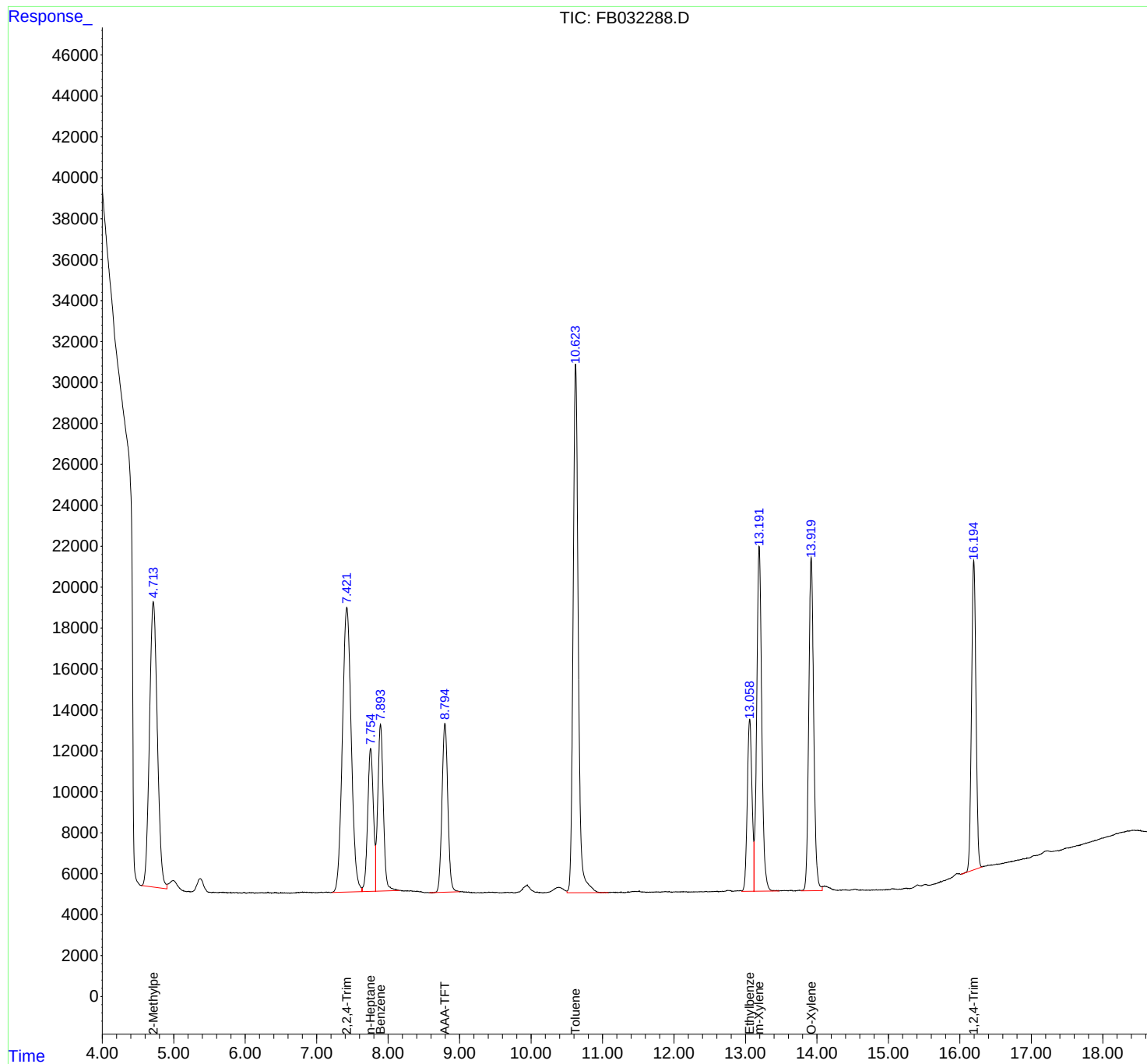
(m)=manual int.

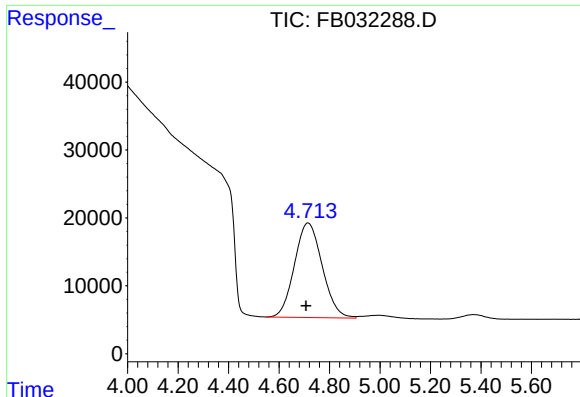
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB110425\
Data File : FB032288.D
Signal(s) : FID2B.CH
Acq On : 4 Nov 2025 10:10
Operator : YP/AJ
Sample : BSF1104S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF1104S1

Integration File: Calibration.e
Quant Time: Nov 04 22:36:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB102725.M
Quant Title :
QLast Update : Tue Oct 28 04:57:39 2025
Response via : Initial Calibration
Integrator: ChemStation

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

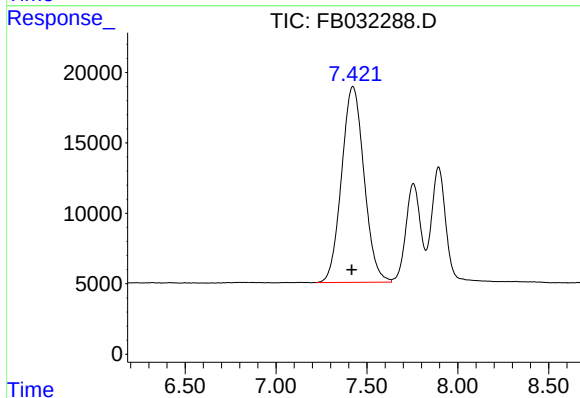




#1 2-Methylpentane

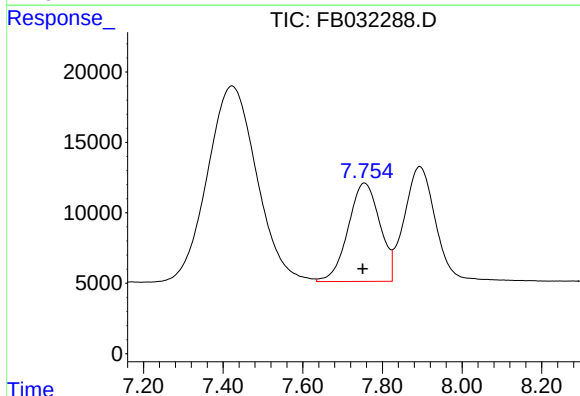
R.T.: 4.715 min
Delta R.T.: 0.008 min
Response: 1062860
Conc: 38.80 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF1104S1



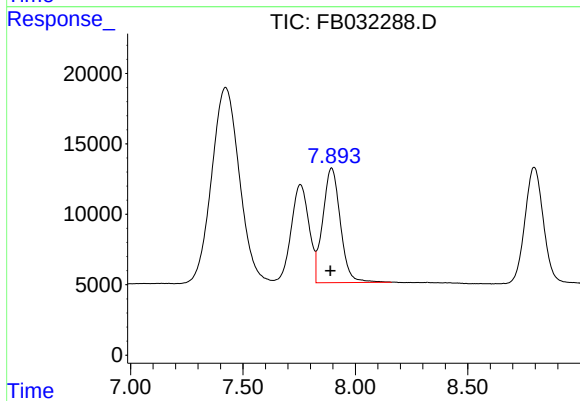
#2 2,2,4-Trimethylpentane

R.T.: 7.423 min
Delta R.T.: 0.007 min
Response: 1193856
Conc: 38.75 ng/ml



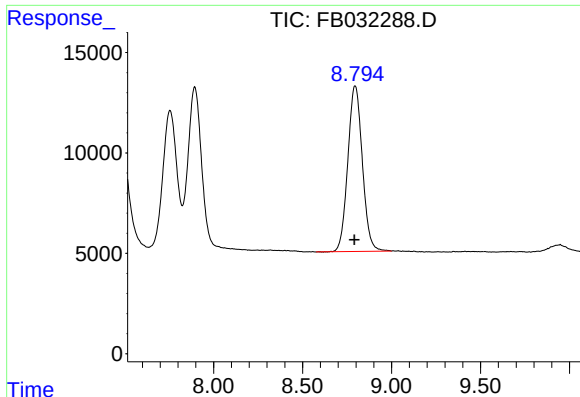
#3 n-Heptane

R.T.: 7.755 min
Delta R.T.: 0.004 min
Response: 386206
Conc: 13.18 ng/ml



#4 Benzene

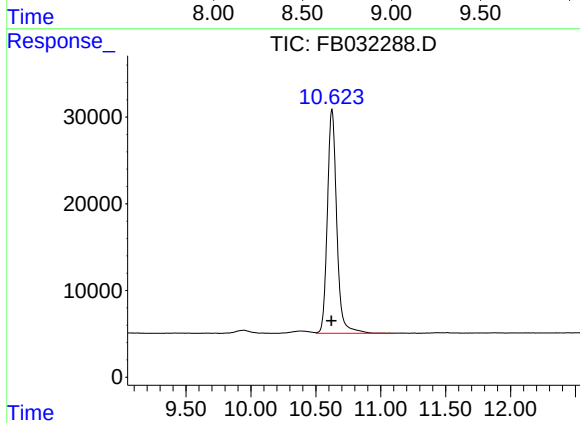
R.T.: 7.894 min
Delta R.T.: 0.005 min
Response: 441695
Conc: 12.76 ng/ml



#5 AAA-TFT

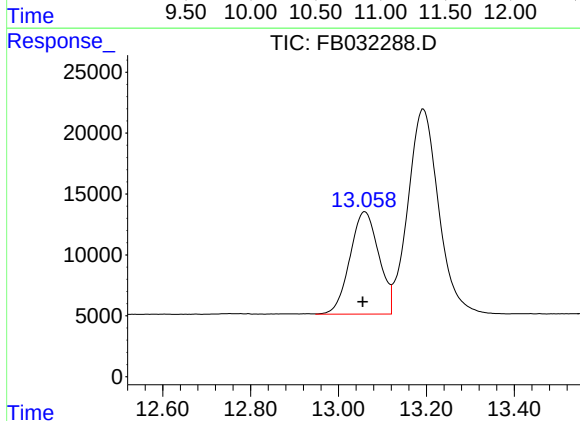
R.T.: 8.795 min
Delta R.T.: 0.004 min
Response: 467627
Conc: 23.06 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF1104S1



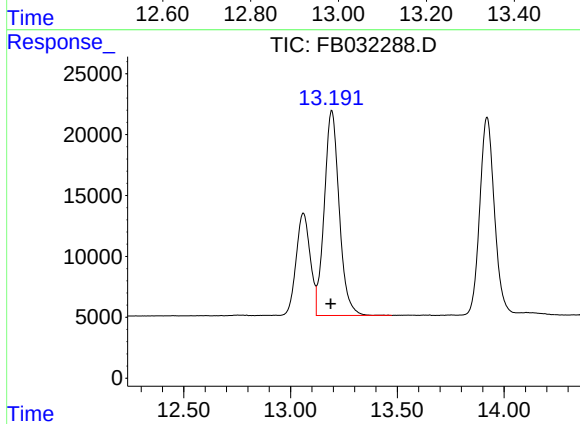
#6 Toluene

R.T.: 10.624 min
Delta R.T.: 0.005 min
Response: 1299647
Conc: 36.32 ng/ml



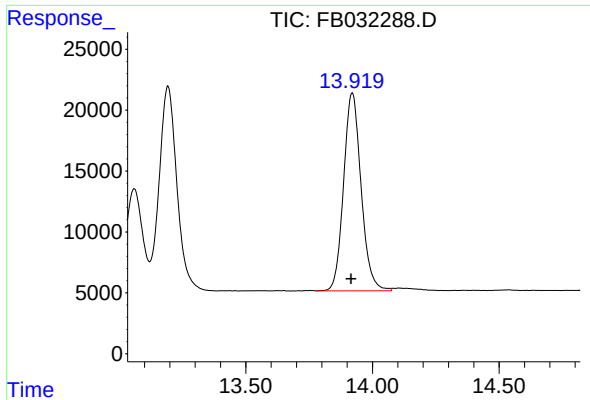
#7 Ethylbenzene

R.T.: 13.060 min
Delta R.T.: 0.005 min
Response: 384186
Conc: 12.08 ng/ml



#8 m-Xylene

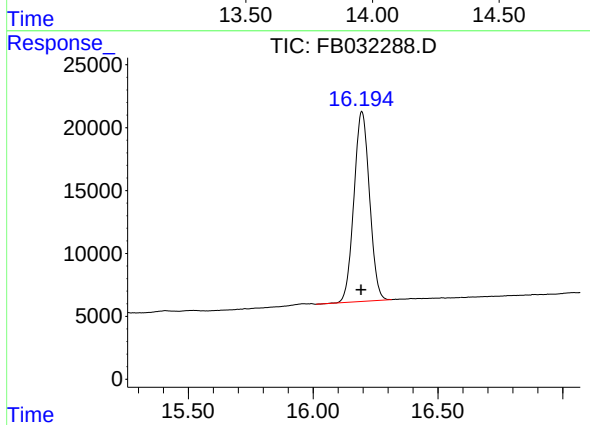
R.T.: 13.193 min
Delta R.T.: 0.004 min
Response: 819819
Conc: 24.62 ng/ml



#9 O-Xylene

R.T.: 13.920 min
Delta R.T.: 0.005 min
Response: 780572
Conc: 24.31 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF1104S1



#10 1,2,4-Trimethylbenzene

R.T.: 16.196 min
Delta R.T.: 0.004 min
Response: 654511
Conc: 23.65 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB110425\
 Data File : FB032288.D
 Signal(s) : FID2B.CH
 Acq On : 4 Nov 2025 10:10
 Sample : BSF1104S1
 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\FB102725.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	4.548	4.905	BV	13938	1062860	81.78%	14.189%
2	7.423	7.219	7.635	VV	13916	1193856	91.86%	15.937%
3	7.755	7.635	7.825	VV	6982	386206	29.72%	5.156%
4	7.894	7.825	8.161	VV	8144	441695	33.99%	5.896%
5	8.795	8.576	9.000	BV	8245	467627	35.98%	6.243%
6	10.624	10.502	11.084	VB	25819	1299647	100.00%	17.350%
7	13.060	12.948	13.121	VV	8413	384186	29.56%	5.129%
8	13.193	13.121	13.474	VB	16849	819819	63.08%	10.944%
9	13.920	13.778	14.076	VV	16260	780572	60.06%	10.420%
10	16.196	16.012	16.315	PV	15096	654511	50.36%	8.737%

Sum of corrected areas: 7490978

FB102725.M Tue Nov 04 23:14:42 2025

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ Soil PT	Date Received:	
Client Sample ID:	BSF1104S2	SDG No.:	Q3483
Lab Sample ID:	BSF1104S2	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	100
Sample Wt/Vol:	5 g	Test:	Gasoline Range Organics
	Final Vol: 5 mL		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
GRO	GRO	226		1	8.00	45.0	ug/kg	11/04/25 10:37	FB110425
SURROGATES									
98-08-8	Alpha,Alpha,Alpha-Trifluor	23.1			50 - 150	116%	SPK: 20		

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

Q3483-Gasoline Range Organics

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\FB110425\
 Data File : FB032289.D
 Signal(s) : FID2B.CH
 Acq On : 4 Nov 2025 10:37
 Operator : YP/AJ
 Sample : BSF1104S2
 Misc : 5.00G/5.00 ML DI WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 FID_B
 ClientSampleId :
 BSF1104S2

Integration File: Calibration.e
 Quant Time: Nov 04 22:36:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB102725.M
 Quant Title :
 QLast Update : Tue Oct 28 04:57:39 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	469011	23.124 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.715	1031208	37.642 ng/ml
2) t 2,2,4-Trimethylpentane	7.423	1179600	38.287 ng/ml
3) t n-Heptane	7.755	388245	13.250 ng/ml
4) t Benzene	7.894	451514	13.043 ng/ml
6) t Toluene	10.624	1326087	37.061 ng/ml
7) t Ethylbenzene	13.060	394041	12.390 ng/ml
8) t m-Xylene	13.193	833832	25.038 ng/ml
9) t O-Xylene	13.920	793133	24.699 ng/ml
10) t 1,2,4-Trimethylbenzene	16.196	668532	24.161 ng/ml

(f)=RT Delta > 1/2 Window

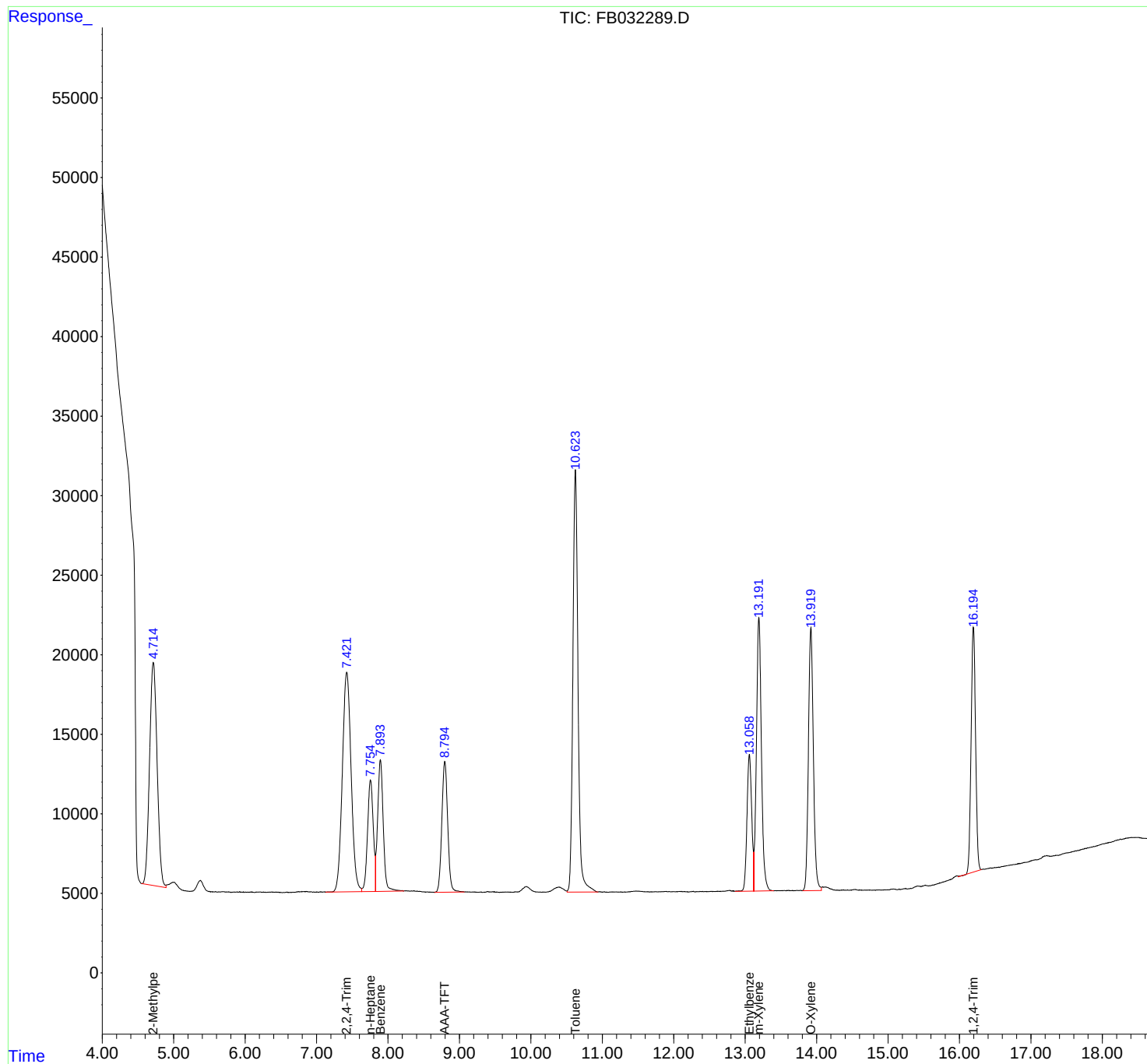
(m)=manual int.

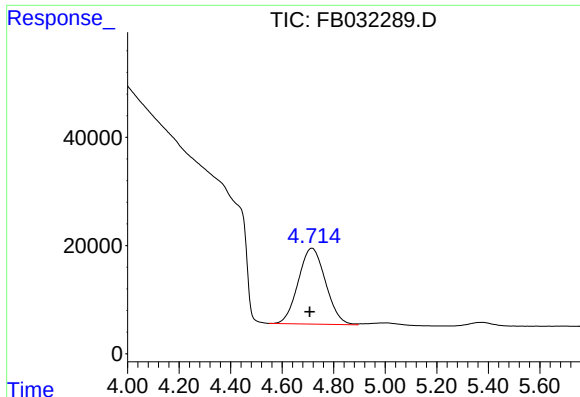
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB110425\
Data File : FB032289.D
Signal(s) : FID2B.CH
Acq On : 4 Nov 2025 10:37
Operator : YP/AJ
Sample : BSF1104S2
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF1104S2

Integration File: Calibration.e
Quant Time: Nov 04 22:36:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB102725.M
Quant Title :
QLast Update : Tue Oct 28 04:57:39 2025
Response via : Initial Calibration
Integrator: ChemStation

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

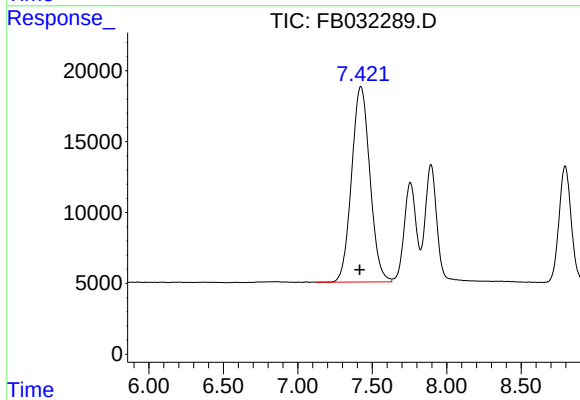




#1 2-Methylpentane

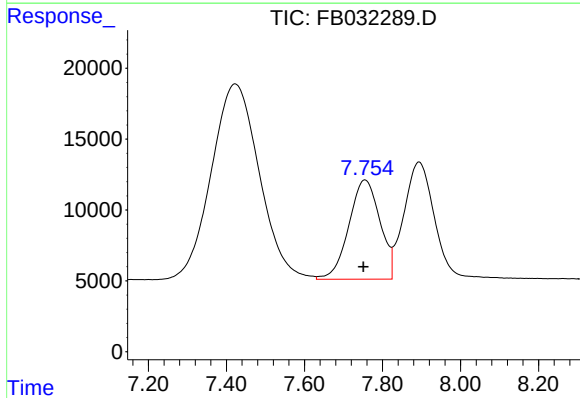
R.T.: 4.715 min
Delta R.T.: 0.008 min
Response: 1031208
Conc: 37.64 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF1104S2



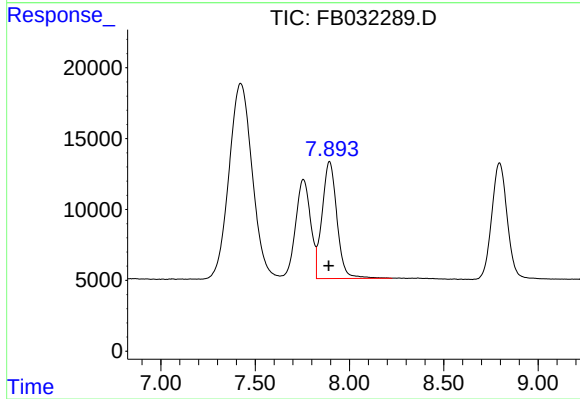
#2 2,2,4-Trimethylpentane

R.T.: 7.423 min
Delta R.T.: 0.007 min
Response: 1179600
Conc: 38.29 ng/ml



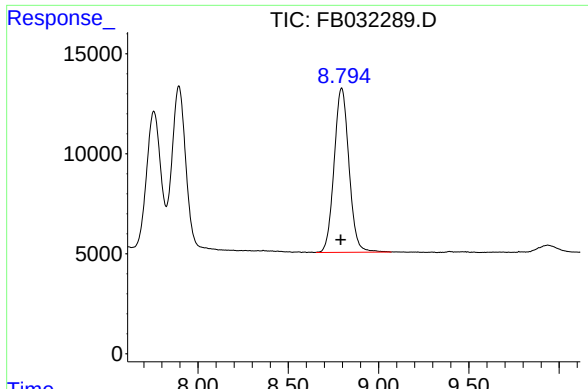
#3 n-Heptane

R.T.: 7.755 min
Delta R.T.: 0.004 min
Response: 388245
Conc: 13.25 ng/ml



#4 Benzene

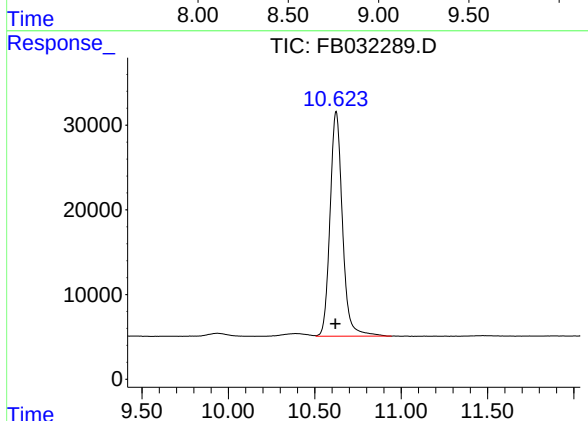
R.T.: 7.894 min
Delta R.T.: 0.005 min
Response: 451514
Conc: 13.04 ng/ml



#5 AAA-TFT

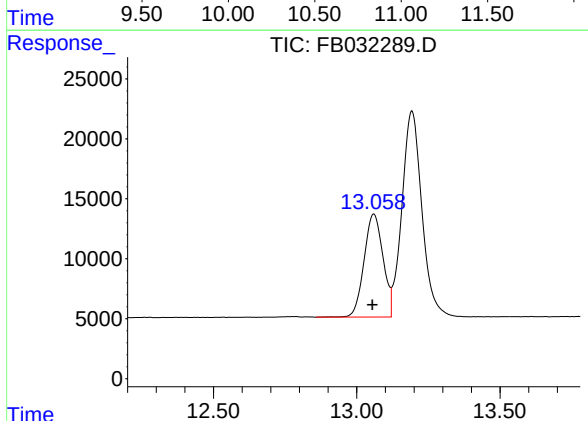
R.T.: 8.796 min
Delta R.T.: 0.005 min
Response: 469011
Conc: 23.12 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF1104S2



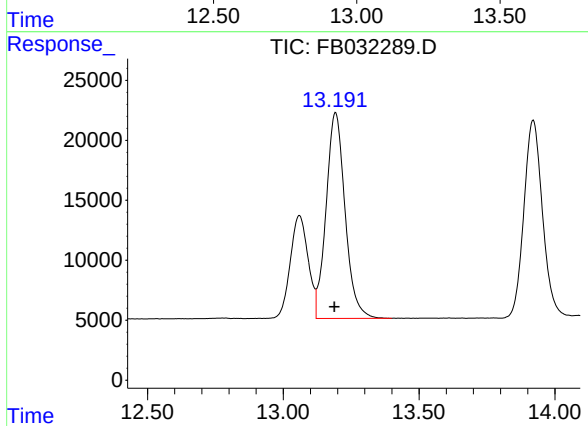
#6 Toluene

R.T.: 10.624 min
Delta R.T.: 0.005 min
Response: 1326087
Conc: 37.06 ng/ml



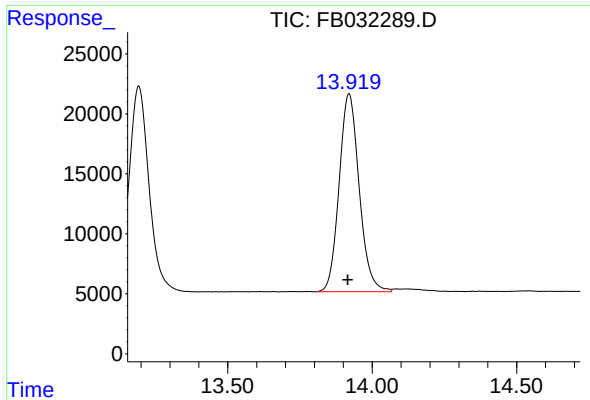
#7 Ethylbenzene

R.T.: 13.060 min
Delta R.T.: 0.005 min
Response: 394041
Conc: 12.39 ng/ml



#8 m-Xylene

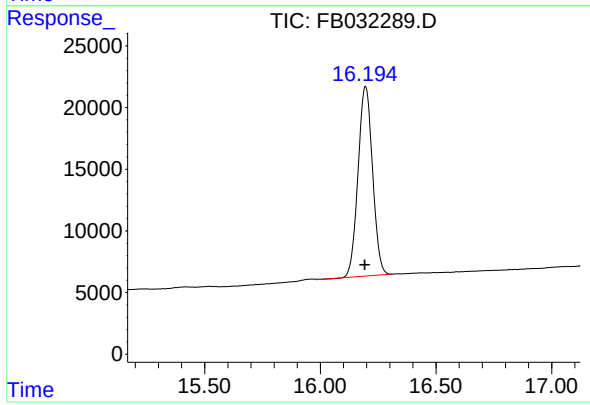
R.T.: 13.193 min
Delta R.T.: 0.004 min
Response: 833832
Conc: 25.04 ng/ml



#9 O-Xylene

R.T.: 13.920 min
Delta R.T.: 0.005 min
Response: 793133
Conc: 24.70 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF1104S2



#10 1,2,4-Trimethylbenzene

R.T.: 16.196 min
Delta R.T.: 0.004 min
Response: 668532
Conc: 24.16 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB110425\
Data File : FB032289.D
Signal(s) : FID2B.CH
Acq On : 4 Nov 2025 10:37
Sample : BSF1104S2
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 5 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB102725.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	4.548	4.894	BV	14019	1031208	77.76%	13.685%
2	7.423	7.123	7.631	PV	13813	1179600	88.95%	15.655%
3	7.755	7.631	7.825	VV	7010	388245	29.28%	5.152%
4	7.894	7.825	8.225	VV	8267	451514	34.05%	5.992%
5	8.796	8.653	9.071	PV	8222	469011	35.37%	6.224%
6	10.624	10.507	10.944	VV	26547	1326087	100.00%	17.599%
7	13.060	12.857	13.120	PV	8594	394041	29.71%	5.229%
8	13.193	13.120	13.399	VV	17189	833832	62.88%	11.066%
9	13.920	13.806	14.067	BV	16516	793133	59.81%	10.526%
10	16.196	15.982	16.309	VV	15371	668532	50.41%	8.872%

Sum of corrected areas: 7535203

FB102725.M Tue Nov 04 23:15:06 2025

Manual Integration Report

Sample ID	ClientID ID	File ID	Sequence ID	Parameter	Supervised By	Supervised On	Reason
Q3483-15		FB032290.D	fb110425	2,2,4-Trimethylpentane	yogesh	11/5/2025 2:52:51 PM	Peak Integrated by Software incorrectly
Q3483-15		FB032290.D	fb110425	AAA-TFT	yogesh	11/5/2025 2:52:51 PM	Peak Integrated by Software incorrectly
Q3483-15		FB032290.D	fb110425	Benzene	yogesh	11/5/2025 2:52:51 PM	Peak Integrated by Software incorrectly
Q3483-15		FB032290.D	fb110425	Ethylbenzene	yogesh	11/5/2025 2:52:51 PM	Peak Integrated by Software incorrectly
Q3483-15		FB032290.D	fb110425	m-Xylene	yogesh	11/5/2025 2:52:51 PM	Peak Integrated by Software incorrectly
Q3483-15		FB032290.D	fb110425	n-Heptane	yogesh	11/5/2025 2:52:51 PM	Peak Integrated by Software incorrectly
Q3483-15		FB032290.D	fb110425	O-Xylene	yogesh	11/5/2025 2:52:51 PM	Peak Integrated by Software incorrectly
Q3483-15		FB032290.D	fb110425	Toluene	yogesh	11/5/2025 2:52:51 PM	Peak Integrated by Software incorrectly
Q3483-15		FB032292.D	fb110425	O-Xylene	yogesh	11/5/2025 2:52:54 PM	Peak Integrated by Software incorrectly
Q3483-15		FB032294.D	fb110425	1,2,4-Trimethylbenzene	yogesh	11/5/2025 2:52:55 PM	Peak Integrated by Software incorrectly
Q3483-15		FB032294.D	fb110425	AAA-TFT	yogesh	11/5/2025 2:52:55 PM	Peak Integrated by Software incorrectly
Q3530-01		FB032297.D	fb110425	1,2,4-Trimethylbenzene	yogesh	11/5/2025 2:52:57 PM	Peak Integrated by Software incorrectly
Q3530-01		FB032297.D	fb110425	2-Methylpentane	yogesh	11/5/2025 2:52:57 PM	Peak Integrated by Software incorrectly

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QC Batch ID # FB102725

Review By	yogesh	Review On	10/29/2025 7:48:30 AM
Supervise By	mohammad	Supervise On	10/29/2025 7:50:23 AM
SubDirectory	FB102725	HP Acquire Method	FID_B
		HP Processing Method	fb102725.m
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24717,PP25006,PP25007,PP25008,PP25009,PP25010		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24718,PP25011		

Sr#	SampleID	Data File Name	Date-Time	Operator	Status
1	5 GRO STD	FB032267.D	27 Oct 2025 9:43	YP/AJ	Ok
2	10 GRO STD	FB032268.D	27 Oct 2025 10:11	YP/AJ	Ok
3	20 GRO STD	FB032269.D	27 Oct 2025 10:38	YP/AJ	Ok
4	50 GRO STD	FB032270.D	27 Oct 2025 11:06	YP/AJ	Ok
5	100 GRO STD	FB032271.D	27 Oct 2025 11:34	YP/AJ	Ok
6	FB1027GROICV	FB032272.D	27 Oct 2025 12:20	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QC Batch ID # FB110425

Review By	Amit	Review On	11/5/2025 12:48:53 PM
Supervise By	yogesh	Supervise On	11/5/2025 2:53:07 PM
SubDirectory	FB110425	HP Acquire Method	FID_B
		HP Processing Method	fb102725
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24717,PP25006,PP25007,PP25008,PP25009,PP25010		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP25017,PP25018		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	20 PPB GRO STD	FB032285.D	4 Nov 2025 8:23	YP/AJ	Ok
2	VBF1104S1	FB032286.D	4 Nov 2025 9:14	YP/AJ	Ok
3	VBF1104S2	FB032287.D	4 Nov 2025 9:42	YP/AJ	Ok
4	BSF1104S1	FB032288.D	4 Nov 2025 10:10	YP/AJ	Ok
5	BSF1104S2	FB032289.D	4 Nov 2025 10:37	YP/AJ	Ok
6	Q3483-15	FB032290.D	4 Nov 2025 11:23	YP/AJ	Dilution
7	I.BLK	FB032291.D	4 Nov 2025 11:51	YP/AJ	Ok
8	Q3483-15	FB032292.D	4 Nov 2025 12:18	YP/AJ	Dilution
9	Q3483-15	FB032293.D	4 Nov 2025 12:46	YP/AJ	Ok
10	Q3483-15	FB032294.D	4 Nov 2025 13:13	YP/AJ	Not Ok
11	I.BLK	FB032295.D	4 Nov 2025 13:41	YP/AJ	Ok
12	20 PPB GRO STD	FB032296.D	4 Nov 2025 14:09	YP/AJ	Ok
13	Q3530-01	FB032297.D	4 Nov 2025 15:27	YP/AJ	Not Ok
14	Q3530-01	FB032298.D	4 Nov 2025 15:55	YP/AJ	Ok
15	Q3530-02	FB032299.D	4 Nov 2025 16:22	YP/AJ	Ok
16	20 PPB GRO STD	FB032300.D	4 Nov 2025 16:50	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QC Batch ID # FB102725

Review By	yogesh	Review On	10/29/2025 7:48:30 AM		
Supervise By	mohammad	Supervise On	10/29/2025 7:50:23 AM		
SubDirectory	FB102725	HP Acquire Method	FID_B	HP Processing Method	fb102725.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		PP24717,PP25006,PP25007,PP25008,PP25009,PP25010			
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard		PP24718,PP25011			

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	5 GRO STD		FB032267.D	27 Oct 2025 9:43		YP/AJ	Ok
2	10 GRO STD		FB032268.D	27 Oct 2025 10:11		YP/AJ	Ok
3	20 GRO STD		FB032269.D	27 Oct 2025 10:38		YP/AJ	Ok
4	50 GRO STD		FB032270.D	27 Oct 2025 11:06		YP/AJ	Ok
5	100 GRO STD		FB032271.D	27 Oct 2025 11:34		YP/AJ	Ok
6	FB1027GROICV		FB032272.D	27 Oct 2025 12:20		YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QC Batch ID # FB110425

Review By	Amit	Review On	11/5/2025 12:48:53 PM
Supervise By	yogesh	Supervise On	11/5/2025 2:53:07 PM
SubDirectory	FB110425	HP Acquire Method	FID_B
		HP Processing Method	fb102725

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP24717,PP25006,PP25007,PP25008,PP25009,PP25010
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP25017,PP25018

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	20 PPB GRO STD		FB032285.D	4 Nov 2025 8:23		YP/AJ	Ok
2	VBF1104S1		FB032286.D	4 Nov 2025 9:14		YP/AJ	Ok
3	VBF1104S2		FB032287.D	4 Nov 2025 9:42		YP/AJ	Ok
4	BSF1104S1		FB032288.D	4 Nov 2025 10:10		YP/AJ	Ok
5	BSF1104S2		FB032289.D	4 Nov 2025 10:37		YP/AJ	Ok
6	Q3483-15		FB032290.D	4 Nov 2025 11:23	need 1000x	YP/AJ	Dilution
7	I.BLK		FB032291.D	4 Nov 2025 11:51		YP/AJ	Ok
8	Q3483-15		FB032292.D	4 Nov 2025 12:18	need further dilution	YP/AJ	Dilution
9	Q3483-15		FB032293.D	4 Nov 2025 12:46	surrogate fail	YP/AJ	Ok
10	Q3483-15		FB032294.D	4 Nov 2025 13:13	not required	YP/AJ	Not Ok
11	I.BLK		FB032295.D	4 Nov 2025 13:41		YP/AJ	Ok
12	20 PPB GRO STD		FB032296.D	4 Nov 2025 14:09		YP/AJ	Ok
13	Q3530-01		FB032297.D	4 Nov 2025 15:27	1 PPB SOIL LOD	YP/AJ	Not Ok
14	Q3530-01		FB032298.D	4 Nov 2025 15:55	4 PPB SOIL LOD	YP/AJ	Ok
15	Q3530-02		FB032299.D	4 Nov 2025 16:22	5 PPB SOIL LOQ	YP/AJ	Ok
16	20 PPB GRO STD		FB032300.D	4 Nov 2025 16:50		YP/AJ	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/30/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 10/29/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:20
Out Date: 10/30/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137700

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
Q3368-13	OUTSIDE-DUMPSTER	1	1.12	10.63	11.75	8.28	67.4	
Q3368-14	PRESS-SLUDGE	2	1.18	10.30	11.48	7.89	65.1	
Q3482-01	WC-1	37	1.00	1.00	2.00	2.00	100.0	Concreate sample
Q3482-02	WC-2	38	1.00	1.00	2.00	2.00	100.0	Concreate sample
Q3482-03	WC-3	39	1.00	1.00	2.00	2.00	100.0	Concreate sample
Q3482-04	WC-4	40	1.00	1.00	2.00	2.00	100.0	Concreate sample
Q3482-05	WC-5	41	1.00	1.00	2.00	2.00	100.0	Concreate sample
Q3482-06	WC-6	42	1.00	1.00	2.00	2.00	100.0	Concreate sample
Q3482-07	WC-7	43	1.00	1.00	2.00	2.00	100.0	Concreate sample
Q3483-01	HW1025-PT-AN-SOIL	3	1.00	1.00	2.00	2.00	100.0	
Q3483-02	HW1025-PT-CORR-SOIL	4	1.00	1.00	2.00	2.00	100.0	
Q3483-03	HW1025-PT-CN-SOIL	5	1.00	1.00	2.00	2.00	100.0	
Q3483-04	HW1025-PT-CN-SOIL	6	1.00	1.00	2.00	2.00	100.0	
Q3483-05	HW1025-PT-FP-SOIL	7	1.00	1.00	2.00	2.00	100.0	
Q3483-06	HW1025-PT-CR6-SOIL	8	1.00	1.00	2.00	2.00	100.0	
Q3483-07	HW1025-PT-NUT-SOIL	9	1.00	1.00	2.00	2.00	100.0	
Q3483-08	HW1025-PT-NUT-SOIL	10	1.00	1.00	2.00	2.00	100.0	
Q3483-09	HW1025-PT-OGF-SOIL	11	1.00	1.00	2.00	2.00	100.0	
Q3483-10	HW1025-PT-MET-SOIL	12	1.00	1.00	2.00	2.00	100.0	
Q3483-11	HW1025-PT-BNA-SOIL	13	1.00	1.00	2.00	2.00	100.0	
Q3483-12	HW1025-PT-TRIAZINE-SOIL	14	1.00	1.00	2.00	2.00	100.0	
Q3483-13	HW1025-PT-PAH-SOIL	15	1.00	1.00	2.00	2.00	100.0	
Q3483-14	HW1025-PT-DIES-SOIL	16	1.00	1.00	2.00	2.00	100.0	
Q3483-15	HW1025-PT-GAS-SOIL	17	1.00	1.00	2.00	2.00	100.0	
Q3483-16	HW1025-PT-NJEPH-SOIL	18	1.00	1.00	2.00	2.00	100.0	
Q3483-17	HW1025-PT-HERB-SOIL	19	1.00	1.00	2.00	2.00	100.0	
Q3483-18	HW1025-PT-PCB-SOIL	20	1.00	1.00	2.00	2.00	100.0	
Q3483-19	HW1025-PT-PCBO-SOIL	21	1.00	1.00	2.00	2.00	100.0	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/30/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 10/29/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:20
Out Date: 10/30/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137700

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
Q3483-20	HW1025-PT-PEST-SOIL	22	1.00	1.00	2.00	2.00	100.0	
Q3483-21	HW1025-PT-CHLOR-SOIL	23	1.00	1.00	2.00	2.00	100.0	
Q3483-22	HW1025-PT-TXP-SOIL	24	1.00	1.00	2.00	2.00	100.0	
Q3483-23	HW1025-PT-VOA-SOIL	25	1.00	1.00	2.00	2.00	100.0	
Q3483-25	HW1025-PT-NO2-SOIL	26	1.00	1.00	2.00	2.00	100.0	
Q3485-01	TR-04-102924	27	1.15	10.30	11.45	10.84	94.1	
Q3485-02	TR-04-102924-E2	28	1.19	10.30	11.49	10.77	93.0	
Q3486-01	TP3	29	1.17	10.45	11.62	11.07	94.7	
Q3486-02	TP3-E2	30	1.18	10.40	11.58	11.11	95.5	
Q3486-03	TP4	31	1.19	10.23	11.42	9.93	85.4	
Q3486-04	TP4-E2	32	1.17	10.52	11.69	10.09	84.8	
Q3486-05	TP5	33	1.17	10.65	11.82	10.02	83.1	
Q3486-06	TP5-E2	34	1.17	10.15	11.32	9.39	81.0	
Q3486-07	TP6	35	1.13	10.25	11.38	10.16	88.1	
Q3486-08	TP6-E2	36	1.16	10.48	11.64	10.32	87.4	

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

WORKLIST(Hardcopy Internal Chain)

137100

WorkList Name : %1-102925

WorkList ID : 192745

Department : Wet-Chemistry

Date : 10-29-2025 07:47:12

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3368-13	OUTSIDE-DUMPSTER	Solid	Percent Solids	Cool 4 deg C	ARAM01	D41	10/16/2025	Chemtech -SO
Q3368-14	PRESS-SLUDGE	Solid	Percent Solids	Cool 4 deg C	ARAM01	D41	10/16/2025	Chemtech -SO
Q3482-01	WC-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/24/2025	Chemtech -SO
Q3482-02	WC-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/24/2025	Chemtech -SO
Q3482-03	WC-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/24/2025	Chemtech -SO
Q3482-04	WC-4	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/24/2025	Chemtech -SO
Q3482-05	WC-5	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/24/2025	Chemtech -SO
Q3482-06	WC-6	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/24/2025	Chemtech -SO
Q3482-07	WC-7	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/24/2025	Chemtech -SO
Q3483-01	HW1025-PT-AN-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3483-02	HW1025-PT-CORR-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3483-03	HW1025-PT-CN-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3483-04	HW1025-PT-CN-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3483-05	HW1025-PT-FP-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3483-06	HW1025-PT-CR6-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3483-07	HW1025-PT-NUT-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3483-08	HW1025-PT-NUT-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3483-09	HW1025-PT-OGR-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3483-10	HW1025-PT-MET-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3483-11	HW1025-PT-BNA-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3483-12	HW1025-PT-TRIAZINE-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO

Date/Time 10/29/25 15:00
 Raw Sample Received by: JWC
 Raw Sample Relinquished by: ACSM

Date/Time 10/29/25 17:30
 Raw Sample Received by: ACSM
 Raw Sample Relinquished by: JWC

WORKLIST(Hardcopy Internal Chain)

W137700

WorkList Name : %1-102925

WorkList ID : 192745

Department : Wet-Chemistry

Date : 10-29-2025 07:47:12

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3483-13	HW1025-PT-PAH-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3483-14	HW1025-PT-DIES-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3483-15	HW1025-PT-GAS-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3483-16	HW1025-PT-NJEPH-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3483-17	HW1025-PT-HERB-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3483-18	HW1025-PT-PCB-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3483-19	HW1025-PT-PCBO-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3483-20	HW1025-PT-PEST-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3483-21	HW1025-PT-CHLOR-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3483-22	HW1025-PT-TXP-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3483-23	HW1025-PT-VOA-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3483-25	HW1025-PT-NO2-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3485-01	TR-04-102924	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	10/29/2025	Chemtech -SO
Q3485-02	TR-04-102924-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	10/29/2025	Chemtech -SO
Q3486-01	TP3	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3486-02	TP3-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3486-03	TP4	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3486-04	TP4-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3486-05	TP5	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3486-06	TP5-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3486-07	TP6	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO

Date/Time 10/29/25 15:00
Raw Sample Received by: SB W/C
Raw Sample Relinquished by: CL(SM)

Date/Time 10/29/25 17:30
Raw Sample Received by: CL(SM)
Raw Sample Relinquished by: SB W/C

WORKLIST(Hardcopy Internal Chain)

UP 137700

WorkList Name : %1-102925

WorkList ID : 192745

Department : Wet-Chemistry

Date : 10-29-2025 07:47:12

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3486-08	TP6-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO

Date/Time

10/29/25 151.00

Raw Sample Received by:

EB WCI

Raw Sample Relinquished by:

CP (SM)

Q3483-Gasoline Range Organics

Date/Time

10/29/25 171.30

Raw Sample Received by:

CP (SM)

Raw Sample Relinquished by:

EB aolc

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/31/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 10/30/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:20
Out Date: 10/31/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137714

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
Q3483-24	HW1025-PT-SOL-SOIL	1	1.16	10.70	11.86	9.24	75.5	
Q3487-01	KZZ294Z-A	2	1.00	1.00	2.00	2.00	100.0	PILC
Q3487-02	KZZ294Z-B	3	1.00	1.00	2.00	2.00	100.0	PILC
Q3487-03	KZZ256R-A	4	1.00	1.00	2.00	2.00	100.0	PILC
Q3487-04	KZZ256R-B	5	1.00	1.00	2.00	2.00	100.0	PILC
Q3487-05	JEH623H-A	6	1.00	1.00	2.00	2.00	100.0	PILC
Q3487-06	JEH623H-B	7	1.00	1.00	2.00	2.00	100.0	PILC
Q3487-07	M3-A	8	1.00	1.00	2.00	2.00	100.0	PILC
Q3487-08	M3-B	9	1.00	1.00	2.00	2.00	100.0	PILC
Q3488-01	MOO-25-0294-0298	10	1.00	1.00	2.00	2.00	100.0	Concrete sample
Q3488-02	MOO-25-0299	11	1.15	10.33	11.48	10.88	94.2	
Q3488-04	MOO-25-0302-0310	12	1.18	10.45	11.63	10.08	85.2	
Q3488-05	MOO-25-0302-0310	13	1.15	10.46	11.61	10.7	91.3	
Q3488-06	MOO-25-0311-0313	46	1.15	10.37	11.52	10.64	91.5	
Q3489-01	245F72-A	14	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-02	245F72-B	15	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-03	L54-A	16	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-04	L54-B	17	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-05	L55-A	18	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-06	L55-A	19	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-07	L56-A	20	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-08	L56-B	21	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-09	L57-A	22	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-10	L57-B	23	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-11	L58-A	24	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-12	L58-2	25	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-13	L59-A	26	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-14	L59-B	27	1.00	1.00	2.00	2.00	100.0	PILC

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/31/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 10/30/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:20
Out Date: 10/31/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137714

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
Q3489-15	L60-A	28	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-16	L60-B	29	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-17	L61-A	30	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-18	L61-B	31	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-19	L62-A	32	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-20	L62-B	33	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-21	L63-A	34	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-22	L63-B	35	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-23	L64-A	36	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-24	L64-B	37	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-25	L65-A	38	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-26	L65-B	39	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-27	STC21-A	40	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-28	STC21-B	41	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-29	STF24-A	42	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-30	STF24-B	43	1.00	1.00	2.00	2.00	100.0	PILC
Q3490-01	LAW-25-0151	44	1.00	1.00	2.00	2.00	100.0	oily-debris
Q3491-01	SOIL-CUTTINGS-COMP	45	1.18	10.80	11.98	9.13	73.6	
Q3495-01	SB-1025-1	47	1.19	10.24	11.43	8.99	76.2	
Q3495-02	SB-1025-2	48	1.14	10.43	11.57	8.97	75.1	
Q3496-01	DRILL-CUTTINGS	49	1.19	10.61	11.8	10.33	86.1	
Q3496-02	DRILL-CUTTINGS-E2	50	1.13	10.49	11.62	10.11	85.6	
Q3497-01	OK-01-103025	51	1.13	10.93	12.06	10.37	84.5	
Q3497-02	OK-01-103025-E2	52	1.19	10.59	11.78	10.25	85.6	

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

WORKLIST(Hardcopy Internal Chain)

UB 137714

WorkList Name : %1-103025

WorkList ID : 192793

Department : Wet-Chemistry

Date : 10-30-2025 10:50:32

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3483-24	HW1025-PT-SOL-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3487-01	KZZ294Z-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/29/2025	Chemtech -SO
Q3487-02	KZZ294Z-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/29/2025	Chemtech -SO
Q3487-03	KZZ256R-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/29/2025	Chemtech -SO
Q3487-04	KZZ256R-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/29/2025	Chemtech -SO
Q3487-05	JEH623H-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/29/2025	Chemtech -SO
Q3487-06	JEH623H-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/29/2025	Chemtech -SO
Q3487-07	M3-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/29/2025	Chemtech -SO
Q3487-08	M3-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/29/2025	Chemtech -SO
Q3488-01	MOO-25-0294-0298	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3488-02	MOO-25-0299	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3488-04	MOO-25-0302-0310	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3488-05	MOO-25-0302-0310	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3488-06	MOO-25-0311-0313	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-01	245F72-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-02	245F72-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-03	L54-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-04	L54-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-05	L55-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-06	L55-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-07	L56-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO

Date/Time 10/30/25 15:00
 Raw Sample Received by: JO (WC)
 Raw Sample Relinquished by: RJ (L54-L56)

Date/Time 10/30/25 17:30
 Raw Sample Received by: RJ (L54-L56)
 Raw Sample Relinquished by: JO (WC)

WORKLIST(Hardcopy Internal Chain)

WB 137714

WorkList Name : %1-103025

WorkList ID : 192793

Department : Wet-Chemistry

Date : 10-30-2025 10:50:32

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3489-08	L56-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-09	L57-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-10	L57-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-11	L58-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-12	L58-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-13	L59-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-14	L59-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-15	L60-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-16	L60-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-17	L61-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-18	L61-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-19	L62-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-20	L62-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-21	L63-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-22	L63-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-23	L64-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-24	L64-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-25	L65-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-26	L65-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-27	STC21-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-28	STC21-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO

Date/Time 10/30/25 15:00

Raw Sample Received by: JQ WCI

Raw Sample Relinquished by: RJ CELL-1466)

Q3483-Gasoline Range Organics

Date/Time 10/30/25 17:30

Raw Sample Received by: RJ CELL-1466)

Raw Sample Relinquished by: JQ WCI

WORKLIST(Hardcopy Internal Chain)

UB 13FF14

WorkList Name : %1-103025

WorkList ID : 192793

Department : Wet-Chemistry

Date : 10-30-2025 10:50:32

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3489-29	STF24-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-30	STF24-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3490-01	LAW-25-0151	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3491-01	SOIL-CUTTINGS-COMP	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3495-01	SB-1025-1	Solid	Percent Solids	Cool 4 deg C	REMI02	D51	10/27/2025	Chemtech -SO
Q3495-02	SB-1025-2	Solid	Percent Solids	Cool 4 deg C	REMI02	D51	10/27/2025	Chemtech -SO
Q3496-01	DRILL-CUTTINGS	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/30/2025	Chemtech -SO
Q3496-02	DRILL-CUTTINGS-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/30/2025	Chemtech -SO
Q3497-01	OK-01-103025	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	10/30/2025	Chemtech -SO
Q3497-02	OK-01-103025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	10/30/2025	Chemtech -SO

Date/Time

10/30/25 15:00

Raw Sample Received by:

SB WWC

Raw Sample Relinquished by:

RJ (EIT-106)

Q3483-Gasoline Range Organics

Date/Time

10/30/25 17:30

Raw Sample Received by:

RJ (EIT-106)

Raw Sample Relinquished by:

SB WWC

Prep Standard - Chemical Standard Summary

Order ID : Q3483
Test : Gasoline Range Organics

Prepbatch ID :
Sequence ID/Qc Batch ID: fb110425,

Standard ID :
PP24717,PP24719,PP25006,PP25007,PP25008,PP25009,PP25010,PP25017,PP25018,

Chemical ID :
P13537,V11252,V14629,W3112,

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17

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	PP24717	07/14/2025	01/09/2026	Yogesh Patel	None	None	Abdul Mirza
								09/24/2025

FROM 0.11100ml of P13537 + 9.89000ml of V14629 = 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>
3619	25 PPM AAA-TFT Surg	PP24719	07/14/2025	01/09/2026	Yogesh Patel	None	None	Abdul Mirza
								09/24/2025

FROM 0.10000ml of V11252 + 9.90000ml of V14629 = 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>
238	5 PPB ICC GRO STD	PP25006	10/27/2025	01/09/2026	Amit Patel	None	None	Yogesh Patel
								11/04/2025

FROM 5.00000ml of W3112 + 0.00100ml of PP24719 + 0.00250ml of PP24717 = Final Quantity: 5.004 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>
237	10 PPB ICC GRO STD	PP25007	10/27/2025	01/09/2026	Amit Patel	None	None	Yogesh Patel
								11/04/2025

FROM 5.00000ml of W3112 + 0.00200ml of PP24719 + 0.00500ml of PP24717 = Final Quantity: 5.007 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	PP25008	10/27/2025	01/09/2026	Amit Patel	None	None	Yogesh Patel
								11/04/2025

FROM 5.00000ml of W3112 + 0.00400ml of PP24719 + 0.01000ml of PP24717 = 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>
235	50 PPB ICC GRO STD	PP25009	10/27/2025	01/09/2026	Amit Patel	None	None	Yogesh Patel
								11/04/2025

FROM 5.00000ml of W3112 + 0.01000ml of PP24719 + 0.02500ml of PP24717 = Final Quantity: 5.035 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>
234	100 PPB ICC GRO STD	PP25010	10/27/2025	01/09/2026	Amit Patel	None	None	Yogesh Patel
								11/04/2025

FROM 5.00000ml of W3112 + 0.02000ml of PP24719 + 0.05000ml of PP24717 = Final Quantity: 5.070 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	PP25017	11/04/2025	11/06/2025	Amit Patel	None	None	Yogesh Patel
								11/10/2025

FROM 5.00000ml of W3112 + 0.00400ml of PP24719 + 0.01000ml of PP24717 = 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	PP25018	11/04/2025	11/06/2025	Amit Patel	None	None	Yogesh Patel
FROM 5.00000ml of W3112 + 0.00400ml of PP24719 + 0.01000ml of PP24717 = 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)	A0208729	01/14/2026	07/14/2025 / yogesh	09/23/2024 / yogesh	P13537

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	A0158026	05/31/2028	11/27/2023 / yogesh	09/11/2020 / DHAVAL	V11252

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	01/09/2026	07/07/2025 / SAM	11/26/2024 / SAM	V14629

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 / lwona	07/03/2024 / lwona	W3112

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis



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: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



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.

Catalog No. : 30065 **Lot No.:** A0208729

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 : April 30, 2031 **Storage:** 0°C or colder

Ship: Ambient

P13537
↓
P13541 } Y.P.
09/23/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Methylpentane	107-83-5	MKCR9584	99%	1,502.0 µg/mL	+/- 84.3956
2	2,2,4-Trimethylpentane (isooctane)	540-84-1	SHBP5702	99%	1,504.0 µg/mL	+/- 84.5080
3	n-Heptane (C7)	142-82-5	044743T03G	99%	504.0 µg/mL	+/- 28.3192
4	Benzene	71-43-2	MKCS3357	99%	503.0 µg/mL	+/- 28.2630
5	Toluene	108-88-3	MKCS9989	99%	1,508.0 µg/mL	+/- 84.7327
6	Ethylbenzene	100-41-4	094632T20F	99%	503.0 µg/mL	+/- 28.2630
7	m-Xylene	108-38-3	SHBN6673	99%	1,008.0 µg/mL	+/- 56.6383
8	o-Xylene	95-47-6	SHBN5105	99%	1,005.0 µg/mL	+/- 56.4697
9	1,2,4-Trimethylbenzene	95-63-6	MKCS3775	99%	1,004.0 µg/mL	+/- 56.4136

* Expanded Uncertainty displayed in same units as Grav. Conc.

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

Quality Confirmation Test

Column:

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

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

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

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

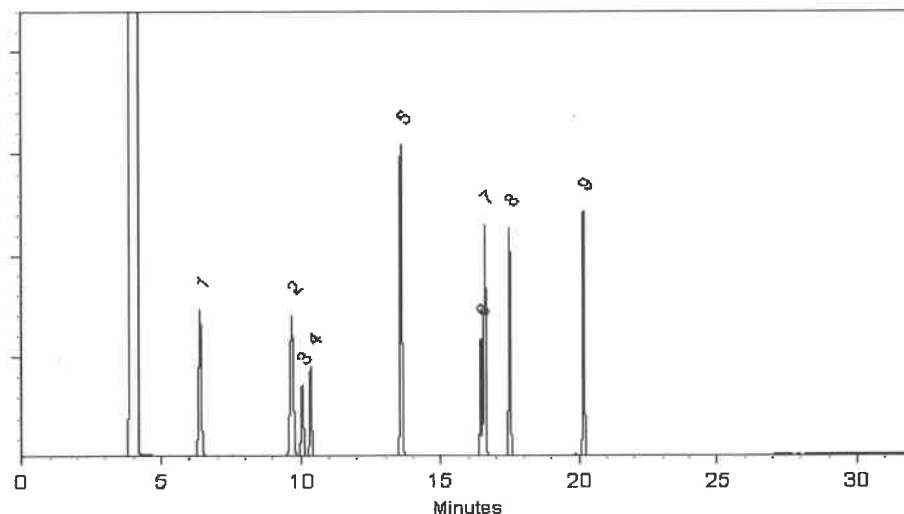
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



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.

Wilner Torres
Wilner Torres - Operation Tech I

Date Mixed: 06-Mar-2024

Balance Serial # B707717271

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 08-Mar-2024

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

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB110425\
 Data File : FB032290.D
 Signal(s) : FID2B.CH
 Acq On : 4 Nov 2025 11:23
 Operator : YP/AJ
 Sample : Q3483-15
 Misc : 5.00G/5.00 ML DI WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 FID_B
 ClientSampleId :
 HW1025-PT-GAS-SOIL

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/05/2025
 Supervised By :Yogesh Patel 11/05/2025

Integration File: Calibration.e
 Quant Time: Nov 04 22:36:12 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB102725.M
 Quant Title :
 QLast Update : Tue Oct 28 04:57:39 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	8.948	407555533	20093.651 ng/mlm
Target Compounds			
1) t 2-Methylpentane	4.764	351286908	12823.025 ng/ml
2) t 2,2,4-Trimethylpentane	7.527	1049137826	34052.376 ng/mlm
3) t n-Heptane	7.892	1217150019	41539.562 ng/mlm
4) t Benzene	7.892	1317543185	38059.388 ng/mlm
6) t Toluene	10.795	3997062301	111709.001 ng/mlm
7) t Ethylbenzene	13.368	2814942638	88509.671 ng/mlm
8) t m-Xylene	13.368	2880093619	86482.218 ng/mlm
9) t O-Xylene	14.018	432238139	13460.319 ng/mlm
10) t 1,2,4-Trimethylbenzene	16.215	23395505	845.515 ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB110425\
Data File : FB032290.D
Signal(s) : FID2B.CH
Acq On : 4 Nov 2025 11:23
Operator : YP/AJ
Sample : Q3483-15
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 1 Sample Multiplier: 1

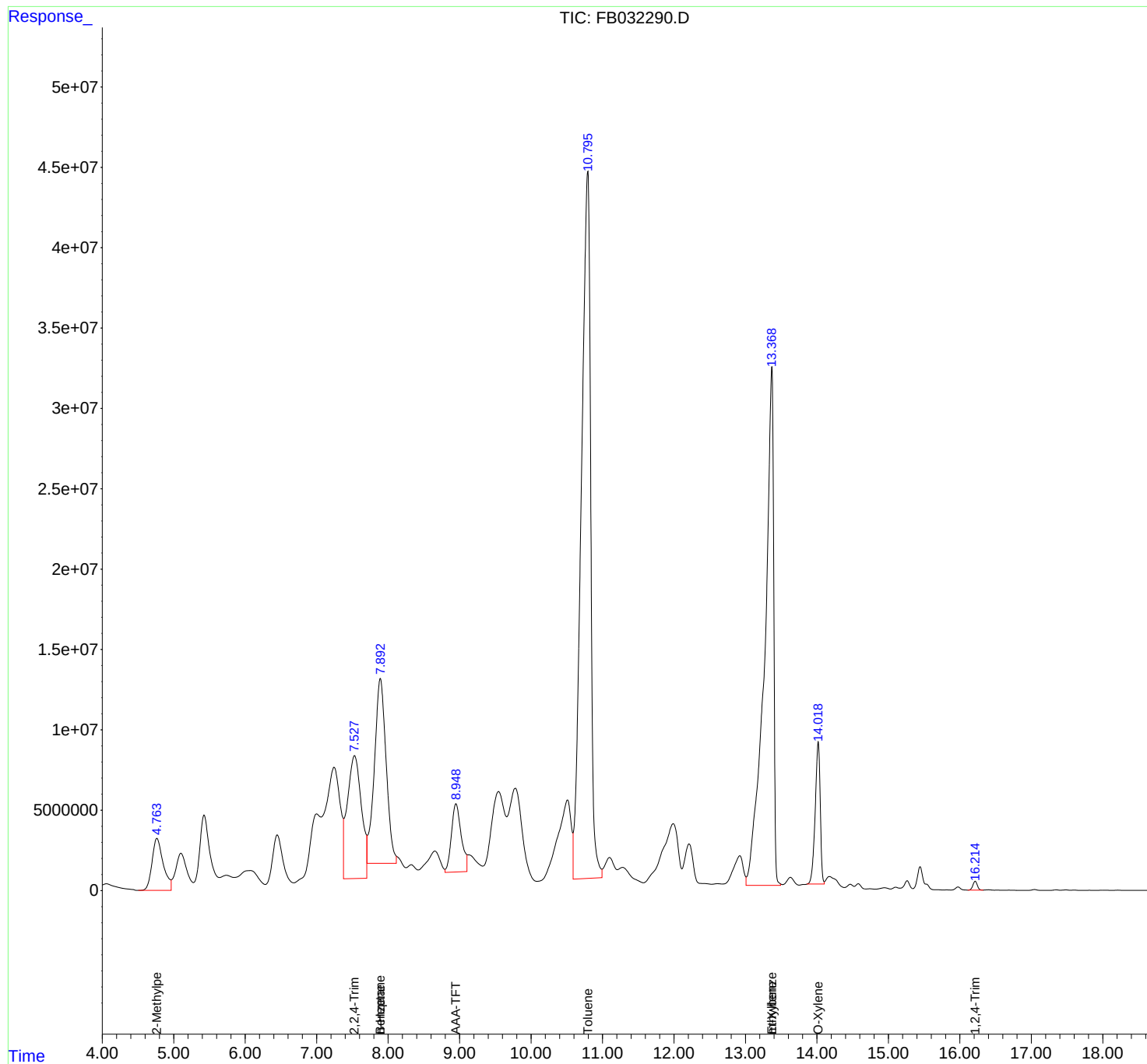
Instrument :
FID_B
ClientSampleId :
HW1025-PT-GAS-SOIL

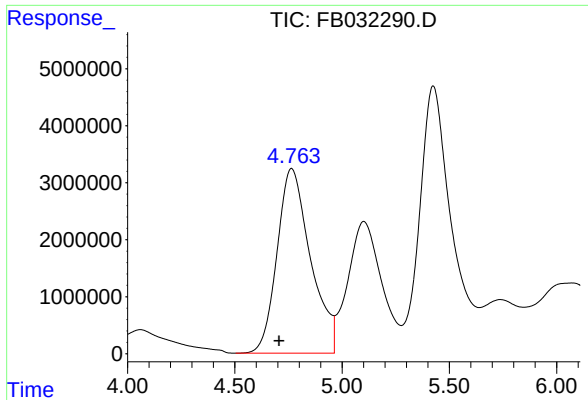
Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/05/2025
Supervised By :Yogesh Patel 11/05/2025

Integration File: Calibration.e
Quant Time: Nov 04 22:36:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB102725.M
Quant Title :
QLast Update : Tue Oct 28 04:57:39 2025
Response via : Initial Calibration
Integrator: ChemStation

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





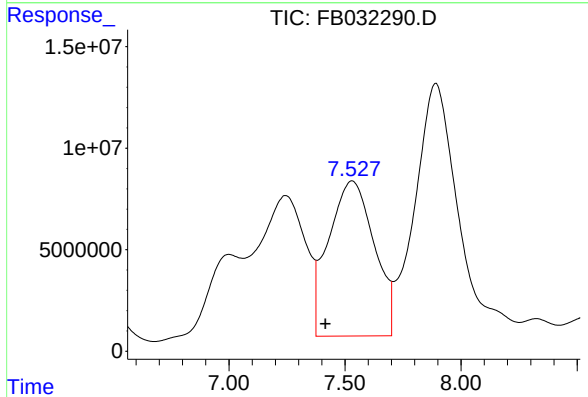
#1 2-Methylpentane

R.T.: 4.764 min
Delta R.T.: 0.057 min
Response: 351286908
Conc: 12823.03 ng/ml

Instrument :
FID_B
ClientSampleId :
HW1025-PT-GAS-SOIL

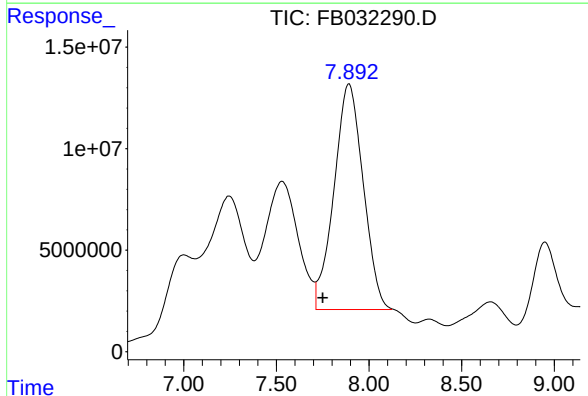
Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/05/2025
Supervised By :Yogesh Patel 11/05/2025



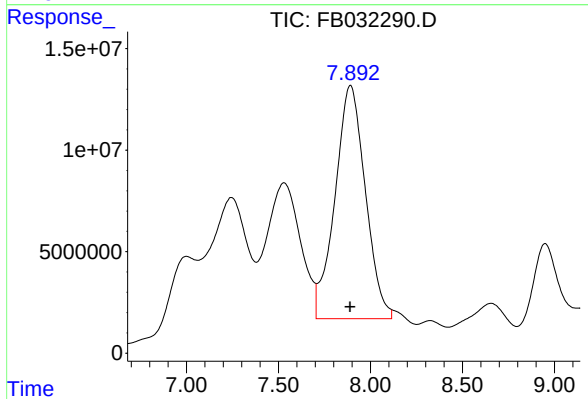
#2 2,2,4-Trimethylpentane

R.T.: 7.527 min
Delta R.T.: 0.111 min
Response: 1049137826
Conc: 34052.38 ng/ml m



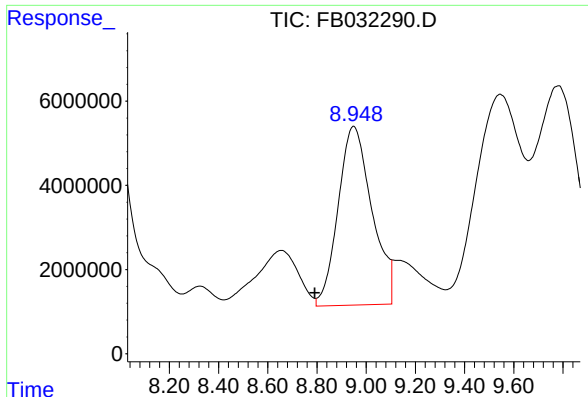
#3 n-Heptane

R.T.: 7.892 min
Delta R.T.: 0.141 min
Response: 1217150019
Conc: 41539.56 ng/ml m



#4 Benzene

R.T.: 7.892 min
Delta R.T.: 0.003 min
Response: 1317543185
Conc: 38059.39 ng/ml m



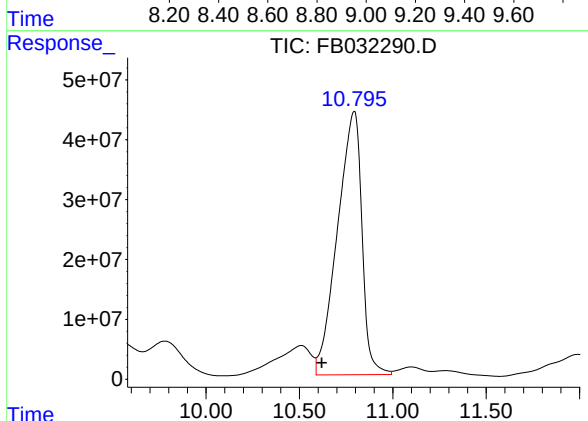
#5 AAA-TFT

R.T.: 8.948 min
Delta R.T.: 0.157 min
Response: 407555533
Conc: 20093.65 ng/ml

Instrument :
FID_B
ClientSampleId :
HW1025-PT-GAS-SOIL

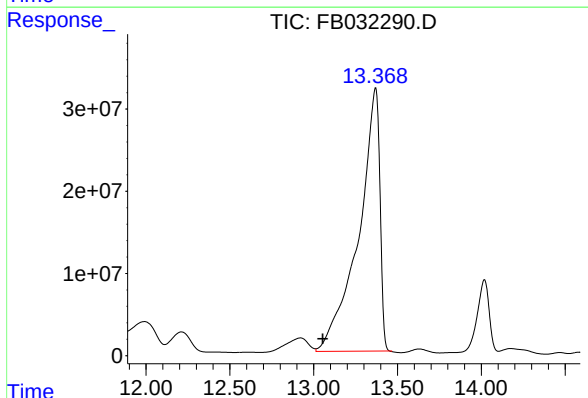
Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/05/2025
Supervised By :Yogesh Patel 11/05/2025



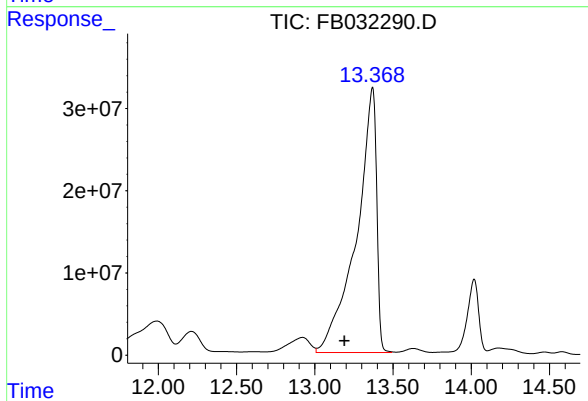
#6 Toluene

R.T.: 10.795 min
Delta R.T.: 0.176 min
Response: 3997062301
Conc: 111709.00 ng/ml m



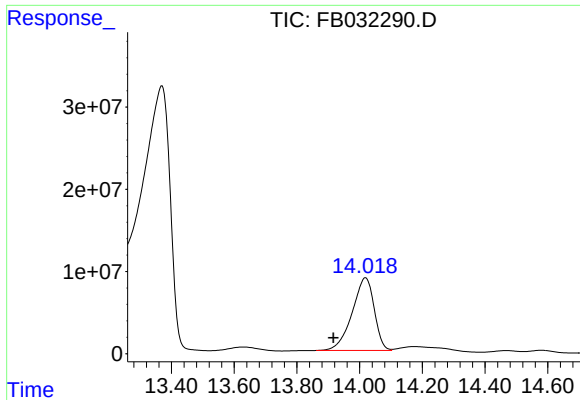
#7 Ethylbenzene

R.T.: 13.368 min
Delta R.T.: 0.313 min
Response: 2814942638
Conc: 88509.67 ng/ml m



#8 m-Xylene

R.T.: 13.368 min
Delta R.T.: 0.180 min
Response: 2880093619
Conc: 86482.22 ng/ml m



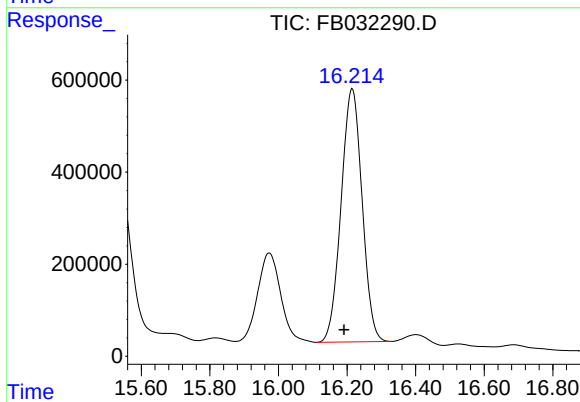
#9 O-Xylene

R.T.: 14.018 min
Delta R.T.: 0.102 min
Response: 432238139
Conc: 13460.32 ng/ml

Instrument :
FID_B
ClientSampleId :
HW1025-PT-GAS-SOIL

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/05/2025
Supervised By :Yogesh Patel 11/05/2025



#10 1,2,4-Trimethylbenzene

R.T.: 16.215 min
Delta R.T.: 0.024 min
Response: 23395505
Conc: 845.51 ng/ml

rteres

Instrument :

FID_B

ClientSampleId :

HW1025-PT-GAS-SOIL

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Yogesh Patel 11/05/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB11042
Data File : FB032290.D
Signal(s) : FID2B.CH
Acq On : 4 Nov 2025 11:23
Sample : Q3483-15
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 1 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB102725.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.764	4.470	4.963	BV	3237449	349597777	8.35%	1.722%
2	5.101	4.963	5.276	VV	2305455	252610370	6.04%	1.244%
3	5.425	5.276	5.640	VV	4681551	481968699	11.52%	2.374%
4	5.737	5.640	5.848	VV	931856	107624025	2.57%	0.530%
5	6.073	5.848	6.282	VV	1222981	241988121	5.78%	1.192%
6	6.449	6.282	6.680	VV	3443043	381905374	9.13%	1.881%
7	7.001	6.680	7.061	VV	4753165	530895146	12.69%	2.615%
8	7.244	7.061	7.380	VV	7650700	1137296003	27.18%	5.602%
9	7.530	7.380	7.708	VV	8377509	1190971274	28.46%	5.866%
10	7.891	7.708	8.252	VV	13185178	1869219539	44.67%	9.207%
11	8.324	8.252	8.422	VV	1585001	147858068	3.53%	0.728%
12	8.655	8.422	8.794	VV	2434652	408575765	9.76%	2.013%
13	8.949	8.794	9.323	VV	5386144	864033011	20.65%	4.256%
14	9.545	9.323	9.660	VV	6144597	860655365	20.57%	4.239%
15	9.779	9.660	10.086	VV	6342267	885173093	21.15%	4.360%
16	10.509	10.086	10.585	VV	5613378	830748815	19.85%	4.092%
17	10.792	10.585	10.992	VV	44727945	4184906687	100.00%	20.613%
18	11.099	10.992	11.209	VV	2035647	214769201	5.13%	1.058%
19	11.281	11.209	11.572	VV	1410451	207897674	4.97%	1.024%
20	11.989	11.572	12.112	VV	4130542	700321363	16.73%	3.450%
21	12.211	12.112	12.535	VV	2875429	297912904	7.12%	1.467%
22	12.611	12.535	12.679	VV	404037	33625588	0.80%	0.166%
23	12.921	12.679	13.012	VV	2140276	238992794	5.71%	1.177%
24	13.367	13.012	13.521	VV	32470351	2971247690	71.00%	14.635%
25	13.630	13.521	13.754	VV	796224	74190084	1.77%	0.365%
26	14.018	13.754	14.105	VV	9232665	509931478	12.19%	2.512%
27	14.176	14.105	14.386	VV	847443	95328859	2.28%	0.470%
28	14.468	14.386	14.522	VV	365407	22254915	0.53%	0.110%
29	14.579	14.522	14.684	VV	398020	23080170	0.55%	0.114%
30	14.742	14.684	14.816	VV	82876	5759678	0.14%	0.028%
31	14.946	14.816	15.030	VV	146317	13132752	0.31%	0.065%
32	15.102	15.030	15.161	VV	181067	10398993	0.25%	0.051%
33	15.263	15.161	15.343	VV	583487	32584725	0.78%	0.161%
34	15.444	15.343	15.767	VV	1454815	91462587	2.19%	0.451%
35	15.817	15.767	15.873	VV	9996	433062	0.01%	0.002%
36	15.974	15.873	16.109	VV	194415	9142712	0.22%	0.045%

Page 1

37 16.215 16.109 16.330 PV 550784 23395505
Sum of corrected areas: 203018

FB102725.M Tue Nov 04 23:19:03 2025

Instrument :
FID_B
ClientSampleId :
HW1025-PT-GAS-SOIL

0.56% 0.115%

Manual IntegrationsAPPROVED

Reviewed By :Amit Patel 11/05/2025
Supervised By :Yogesh Patel 11/05/2025



SHIPPING DOCUMENTS

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Packing List

6390 Joyce Dr., #100
Golden, CO 80403

Tel: +1-303-940-0033
Fax: +1-303-940-0043
info@phenova.com
www.phenova.com

For terms and conditions of your order, please visit:
www.phenova.com/home/termsandsale

Date	Order #
10/27/2025	333294



Ship To

Alliance Tech Group - Newark
ATTN: Sohil Jodhani
284 Sheffield St., #1
Mountainside, NJ 07092
USA

Received by: SJ
10/29/2025 12:30

Customer PO #	Terms	PT Acct #	Customer #	Ship Via	F.O.B.
PO2-3469	Net 30	ZCM-100	1500470	FedEx 2nd Day	Golden, CO

Qty Ordered	Qty Shipped	Qty Backorder	Part Number	Part Description	Study Number	Lot Number
1	1	0	PT-MET-SOIL	SOIL/HW Trace Metals	HW1025	7102-04B
1	1	0	PT-CR6-SOIL	SOIL/HW Hexavalent Chromium	HW1025	7102-05A2
1	1	0	PT-CN-SOIL	SOIL/HW Cyanide	HW1025	7102-06
1	1	0	PT-CORR-SOIL	SOIL/HW Corrosivity/pH	HW1025	7102-11
1	1	0	PT-FP-SOIL	SOIL/HW Flash Point	HW1025	7102-10
1	1	0	PT-AN-SOIL	SOIL/HW Anions	HW1025	7102-08
1	1	0	PT-NUT-SOIL	SOIL/HW Nutrients	HW1025	7102-09
1	1	0	PT-SOL-SOIL	SOIL/HW Solids	HW1025	7102-31
1	1	0	PT-NO2-SOIL	SOIL/HW Nitrite as N	HW1025	7102-71
1	1	0	PT-GAS-SOIL	SOIL/HW Gasoline	HW1025	7102-96
1	1	0	PT-DIES-SOIL	SOIL/HW Diesel in Soil	HW1025	7102-100
1	1	0	PT-OGR-SOIL	SOIL/HW Oil and Grease	HW1025	7102-94B
1	1	0	PT-VOA-SOIL	SOIL/HW Volatiles	HW1025	7102-12
1	1	0	PT-BNA-SOIL	SOIL/HW BNAs	HW1025	7102-13
1	1	0	PT-PEST-SOIL	SOIL/HW Pesticides	HW1025	7102-14
1	1	0	PT-CHLR-SOIL	SOIL/HW Chlordane	HW1025	7102-15
1	1	0	PT-TXP-SOIL	SOIL/HW Toxaphene	HW1025	7102-16
1	1	0	PT-PCB-SOIL	SOIL/HW PCBs	HW1025	7102-17
1	1	0	PT-PCBO-SOIL	SOIL/HW PCBs in Oil	HW1025	7102-88
1	1	0	PT-HERB-SOIL	SOIL/HW Herbicides	HW1025	7102-18
1	1	0	PT-PAH-SOIL	SOIL/HW PAHs	HW1025	7102-22
1	1	0	PT-TRIAZINE-SOIL	SOIL/HW Triazine Pesticides	HW1025	7102-106

Packing List

6390 Joyce Dr., #100
Golden, CO 80403

Tel: +1-303-940-0033
Fax: +1-303-940-0043
info@phenova.com
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Date	Order #
10/27/2025	333294



Ship To

Alliance Tech Group - Newark
ATTN: Sohil Jodhani
284 Sheffield St., #1
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USA

Received by: SJ
10/29/2025 12:30

Customer PO #		Terms	PT Acct #	Customer #	Ship Via	F.O.B.
PO2-3469		Net 30	ZCM-100	1500470	FedEx 2nd Day	Golden, CO
Qty Ordered	Qty Shipped	Qty Backorder	Part Number	Part Description	Study Number	Lot Number
1	1	0	PT-NJEPH-SOIL	NJ EPH in SOIL	HW1025	7102-105

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312