

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

LAB CHRONICLE

OrderID:	Q1872	OrderDate:	4/24/2025 1:26:50 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
Q1872-15	HW0425-PT-GAS-SOIL	SOIL			04/21/25			04/24/25
	L		Gasoline Range Organics	8015D			04/29/25	



QC SUMMARY



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

SOIL GASOLINE RANGE ORGANICS SURROGATE RECOVERY

Lab Name: Chemtech Client: Alliance Technical Group, LLC - Newark
Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872 SDG No.: Q1872

EPA SAMPLE NO.	S1 AAA-TFT	S2	S3	S4	TOT OUT
VB0429S2	91				0
BSF0429S1	93				0
HW0425-PT-GAS-SOIL	134				0
BSF0429S2	90				0

QC LIMITS

AAA-TFT

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

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



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

Lab Name: Chemtech **Client:** Alliance Technical Group, LLC - Newark
Lab Code: CHEM **Cas No:** Q1872 **SAS No :** Q1872 **SDG No:** Q1872
Matrix Spike - EPA Sample No : BSF0429S1 **Datafile:** FB031656.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS
GRO	180	0	174	97	50-150

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

Lab Name: Chemtech **Client:** Alliance Technical Group, LLC - Newark
Lab Code: CHEM **Cas No:** Q1872 **SAS No :** Q1872 **SDG No:** Q1872
Matrix Spike - EPA Sample No : BSF0429S2 **Datafile:** FB031662.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS
GRO	180	0	189	105	50-150

LCS/LCSD % Recovery RPD : 8.2



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

Lab Name: Chemtech **Client:** Alliance Technical Group, LLC - Newark
Lab Code: CHEM **Cas No:** Q1872 **SAS No :** Q1872 **SDG No:** Q1872
Matrix Spike - EPA Sample No : BSF0429S3 **Datafile:** FB031665.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS
GRO	180	0	204	113	50-150

METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBF0429S2

Lab Name: CHEMTECH

Contract: ALLI03

Lab Code: CHEM Case No.: Q1872

SAS No.: Q1872 SDG NO.: Q1872

Lab File ID: FB031655.D

Lab Sample ID: VBF0429S2

Date Analyzed: 04/29/25

Time Analyzed: 9:52

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

Heated Purge: (Y/N) Y

Instrument ID: FB

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
20 PPB GRO STD	20 PPB GRO STD	FB031653.D	04/29/25
BSF0429S1	BSF0429S1	FB031656.D	04/29/25
HW0425-PT-GAS-SOIL	Q1872-15	FB031661.D	04/29/25
BSF0429S2	BSF0429S2	FB031662.D	04/29/25
20 PPB GRO STD	20 PPB GRO STD	FB031663.D	04/29/25

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	04/21/25	
Project:	NJ Soil PT		Date Received:	04/24/25	
Client Sample ID:	HW0425-PT-GAS-SOIL		SDG No.:	Q1872	
Lab Sample ID:	Q1872-15		Matrix:	SOIL	
Analytical Method:	8015D GRO		% Solid:	100	Decanted:
Sample Wt/Vol:	5	Units: g	Final Vol:	5	mL
Soil Aliquot Vol:		uL	Test:	Gasoline Range Organics	
Extraction Type:			Injection Volume :		
GPC Factor :		PH :			
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031661.D	2000	04/29/25 14:10	FB042925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	908000		16500	90000	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	26.8		50 - 150	134%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB042925\
 Data File : FB031661.D
 Signal(s) : FID2B.CH
 Acq On : 29 Apr 2025 14:10
 Operator : YP/AJ
 Sample : Q1872-15 2000X
 Misc : 5.00G/5.00 ML MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 FID_B
 ClientSampleId :
 HW0425-PT-GAS-SOIL

Integration File: Calibration.e
 Quant Time: Apr 30 02:33:44 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
 Quant Title :
 QLast Update : Wed Apr 23 13:48:24 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	8.805	613408	26.748 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.726	165730	7.458 ng/ml
2) t 2,2,4-Trimethylpentane	7.412	705890	20.665 ng/ml
3) t n-Heptane	7.756	448138	14.570 ng/ml
4) t Benzene	7.893	159654	3.904 ng/ml
6) t Toluene	10.623	1914944	48.064 ng/ml
7) t Ethylbenzene	13.058	577162	16.152 ng/ml
8) t m-Xylene	13.190	1994105	51.037 ng/ml
9) t O-Xylene	13.920	799294	21.695 ng/ml
10) t 1,2,4-Trimethylbenzene	16.195	973416	36.087 ng/ml

(f)=RT Delta > 1/2 Window

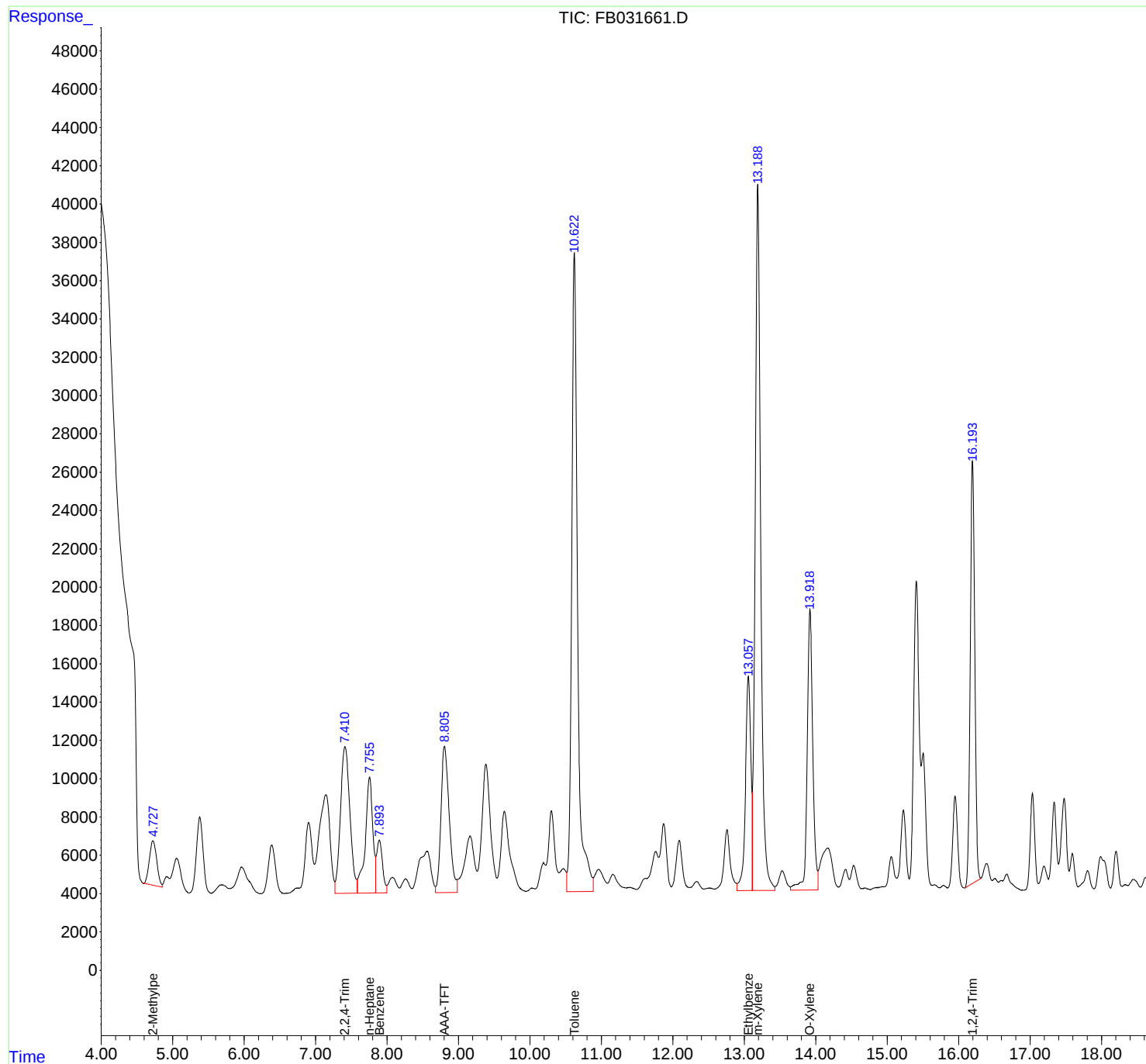
(m)=manual int.

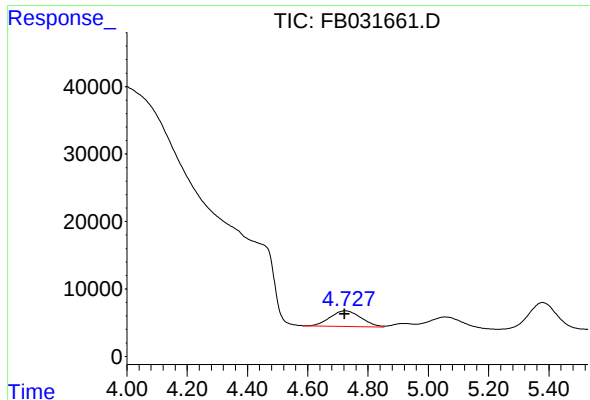
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB042925\
Data File : FB031661.D
Signal(s) : FID2B.CH
Acq On : 29 Apr 2025 14:10
Operator : YP/AJ
Sample : Q1872-15 2000X
Misc : 5.00G/5.00 ML MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
HW0425-PT-GAS-SOIL

Integration File: Calibration.e
Quant Time: Apr 30 02:33:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

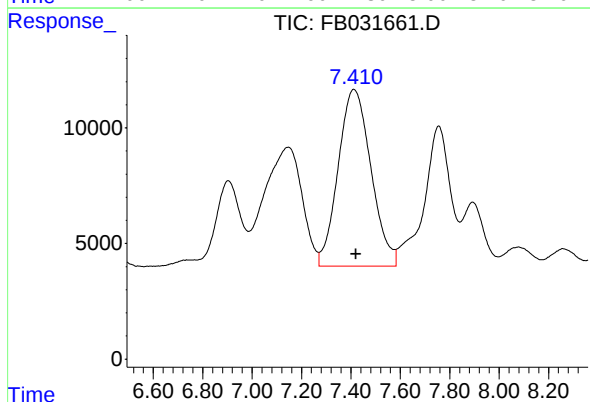




#1 2-Methylpentane

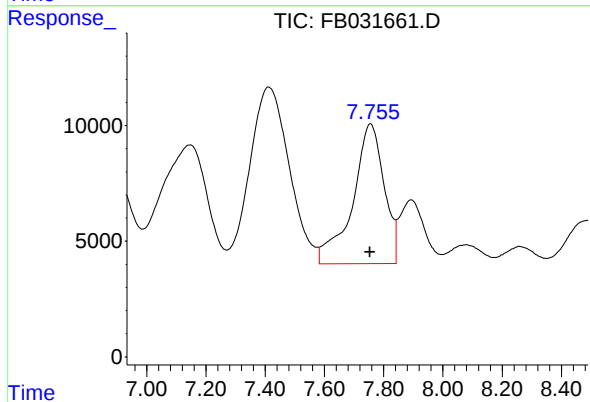
R.T.: 4.726 min
Delta R.T.: 0.003 min
Response: 165730
Conc: 7.46 ng/ml

Instrument :
FID_B
ClientSampleId :
HW0425-PT-GAS-SOIL



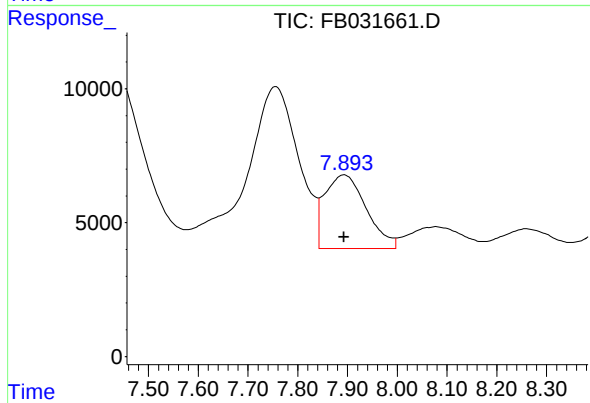
#2 2,2,4-Trimethylpentane

R.T.: 7.412 min
Delta R.T.: -0.009 min
Response: 705890
Conc: 20.67 ng/ml



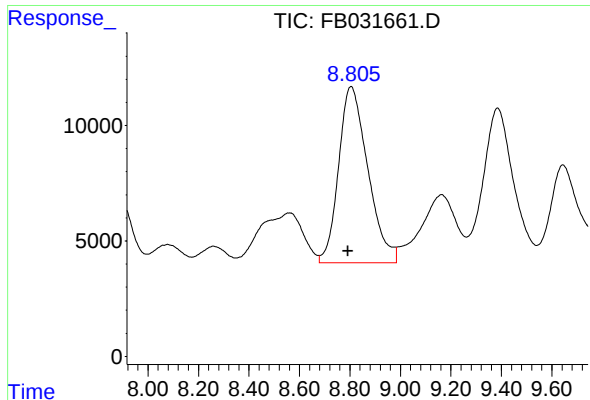
#3 n-Heptane

R.T.: 7.756 min
Delta R.T.: 0.002 min
Response: 448138
Conc: 14.57 ng/ml



#4 Benzene

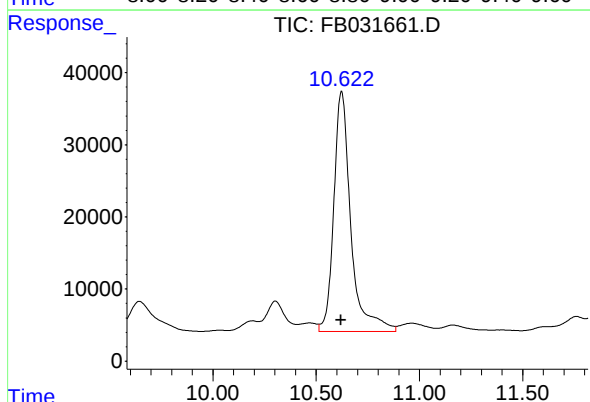
R.T.: 7.893 min
Delta R.T.: 0.000 min
Response: 159654
Conc: 3.90 ng/ml



#5 AAA-TFT

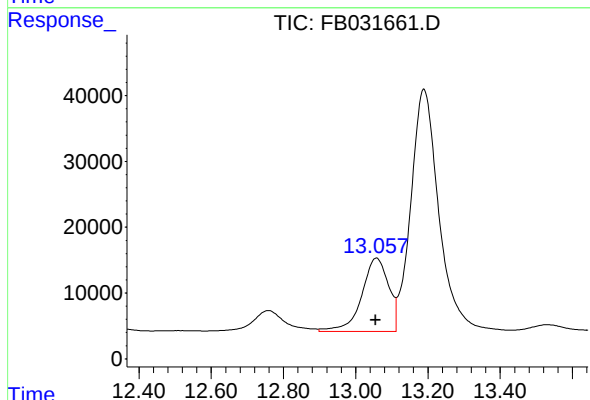
R.T.: 8.805 min
Delta R.T.: 0.013 min
Response: 613408
Conc: 26.75 ng/ml

Instrument :
FID_B
ClientSampleId :
HW0425-PT-GAS-SOIL



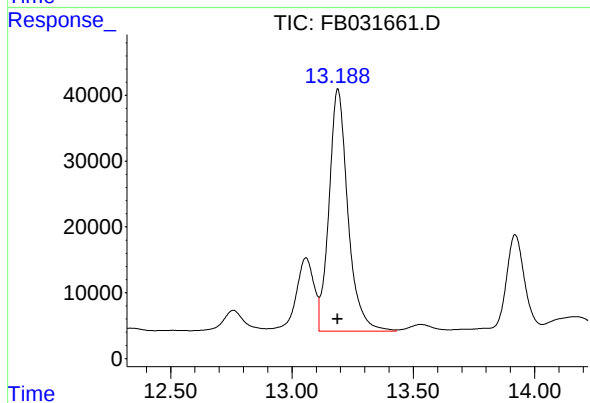
#6 Toluene

R.T.: 10.623 min
Delta R.T.: 0.003 min
Response: 1914944
Conc: 48.06 ng/ml



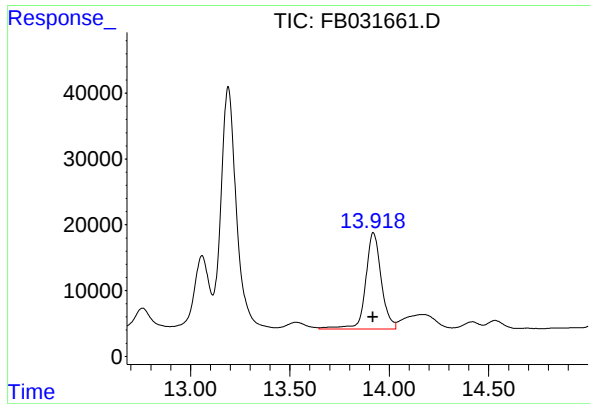
#7 Ethylbenzene

R.T.: 13.058 min
Delta R.T.: 0.002 min
Response: 577162
Conc: 16.15 ng/ml



#8 m-Xylene

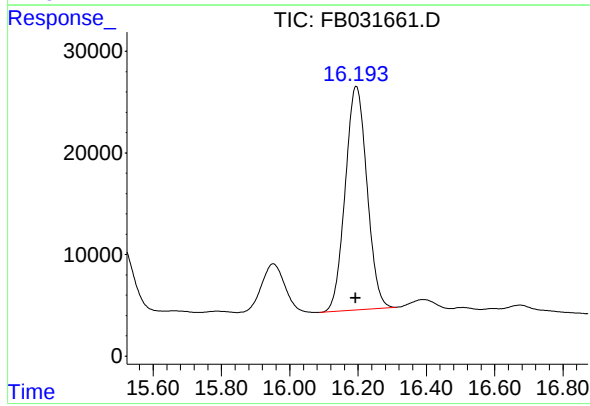
R.T.: 13.190 min
Delta R.T.: 0.000 min
Response: 1994105
Conc: 51.04 ng/ml



#9 O-Xylene

R.T.: 13.920 min
Delta R.T.: 0.003 min
Response: 799294
Conc: 21.69 ng/ml

Instrument :
FID_B
ClientSampleId :
HW0425-PT-GAS-SOIL



#10 1,2,4-Trimethylbenzene

R.T.: 16.195 min
Delta R.T.: 0.002 min
Response: 973416
Conc: 36.09 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB042925\
 Data File : FB031661.D
 Signal(s) : FID2B.CH
 Acq On : 29 Apr 2025 14:10
 Sample : Q1872-15 2000X
 Misc : 5.00G/5.00 ML ME0H
 ALS Vial : 9 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
 Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.726	4.604	4.851	PH	2760	231503	11.43%	1.465%
2	5.380	5.231	5.531	VV	4008	261136	12.89%	1.653%
3	5.539	5.531	5.547	VV	39	287	0.01%	0.002%
4	5.667	5.547	5.675	VV	453	18206	0.90%	0.115%
5	5.967	5.804	6.224	VV	1394	156081	7.70%	0.988%
6	6.388	6.224	6.564	VH	2537	175345	8.65%	1.110%
7	6.590	6.564	6.598	PH	30	304	0.02%	0.002%
8	6.737	6.598	6.758	HH	298	14198	0.70%	0.090%
9	6.903	6.758	6.986	HH	3717	258335	12.75%	1.635%
10	7.146	6.986	7.271	HH	5163	547049	27.00%	3.462%
11	7.412	7.271	7.582	HH	7675	709947	35.04%	4.493%
12	7.756	7.582	7.842	HH	6084	452668	22.34%	2.865%
13	7.893	7.842	7.997	HH	2787	162760	8.03%	1.030%
14	8.078	7.997	8.176	HH	850	65727	3.24%	0.416%
15	8.259	8.176	8.349	HH	779	54982	2.71%	0.348%
16	8.561	8.349	8.678	HH	2209	268121	13.23%	1.697%
17	8.805	8.678	8.984	HH	7694	623833	30.79%	3.948%
18	9.163	8.984	9.262	HH	3013	298064	14.71%	1.886%
19	9.385	9.262	9.541	HH	6758	574588	28.36%	3.636%
20	9.644	9.541	9.945	HH	4302	395206	19.51%	2.501%
21	10.030	9.945	10.073	HH	289	16922	0.84%	0.107%
22	10.191	10.073	10.222	HH	1603	89422	4.41%	0.566%
23	10.302	10.222	10.408	HH	4332	280033	13.82%	1.772%
24	10.468	10.408	10.513	HH	1297	76016	3.75%	0.481%
25	10.623	10.513	10.886	HH	33439	1938148	95.66%	12.266%
26	10.965	10.886	11.086	HH	1264	114976	5.67%	0.728%
27	11.161	11.086	11.366	HH	1003	98827	4.88%	0.625%
28	11.402	11.366	11.500	HH	330	22728	1.12%	0.144%
29	11.761	11.500	11.804	HH	2201	200581	9.90%	1.269%
30	11.873	11.804	11.980	HH	3655	222774	11.00%	1.410%
31	12.090	11.980	12.239	HH	2777	187944	9.28%	1.189%
32	12.335	12.239	12.440	HH	630	52075	2.57%	0.330%
33	12.506	12.440	12.591	HH	290	24008	1.18%	0.152%
34	12.759	12.591	12.898	HH	3344	230018	11.35%	1.456%
35	13.058	12.898	13.112	HH	11336	597909	29.51%	3.784%
36	13.190	13.112	13.429	HH	36970	2026124	100.00%	12.823%

					rteres				
37	13.531	13.429	13.645	HH	1192	93078	4.59%	0.589%	
38	13.920	13.645	14.033	HH	14814	841746	41.54%	5.327%	
39	14.167	14.033	14.318	HH	2373	272971	13.47%	1.728%	
40	14.418	14.318	14.472	HH	1267	77128	3.81%	0.488%	
41	14.532	14.472	14.646	HH	1472	90545	4.47%	0.573%	
42	14.693	14.646	14.767	HH	300	18699	0.92%	0.118%	
43	15.059	14.767	15.140	HH	1930	153091	7.56%	0.969%	
44	15.228	15.140	15.309	HH	4363	236901	11.69%	1.499%	
45	15.409	15.309	15.635	HH	16289	1203499	59.40%	7.617%	
46	15.662	15.635	15.736	HH	465	24227	1.20%	0.153%	
47	15.789	15.736	15.847	HH	433	24276	1.20%	0.154%	
48	15.952	15.847	16.087	HH	5088	269709	13.31%	1.707%	
49	16.195	16.087	16.312	HH	22556	1048007	51.72%	6.633%	
					Sum of corrected areas:	15800726			

FB042325.M Wed Apr 30 03:47:09 2025



CALIBRATION SUMMARY

GASOLINE RANGE ORGANICS INITIAL CALIBRATION SUMMARY

Lab Name: Chemtech Contract: ALLI03
 ProjectID: NJ Soil PT
 Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872 SDG No.: Q1872

Calibration Sequence : FB042325		Test : Gasoline Range Organics	
Concentration (PPB)	Area Count	Reference Factor	File ID
45	1404536	31212	FB031638.D
90	2828773	31431	FB031639.D
180	5982574	33237	FB031640.D
450	16361923	36360	FB031641.D
900	31441842	34935	FB031642.D
AVG RF : 33435		% RSD : 6.655	AVG RT : 8.7924

GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Chemtech Contract: ALLI03
ProjectID: NJ Soil PT
Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872 SDG No.: Q1872
DataFile: FB031653.D Analyst Name: YP/AJ Analyst Date: 04-29-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	6975350	38752	33435	15.902

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB042925\
 Data File : FB031653.D
 Signal(s) : FID2B.CH
 Acq On : 29 Apr 2025 8:43
 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: Apr 30 02:32:44 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
 Quant Title :
 QLast Update : Wed Apr 23 13:48:24 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	471819	20.574 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.727	742854	33.430 ng/ml
2) t 2,2,4-Trimethylpentane	7.422	1146334	33.559 ng/ml
3) t n-Heptane	7.753	354736	11.533 ng/ml
4) t Benzene	7.893	481979	11.787 ng/ml
6) t Toluene	10.619	1374660	34.503 ng/ml
7) t Ethylbenzene	13.054	417440	11.682 ng/ml
8) t m-Xylene	13.188	908924	23.263 ng/ml
9) t O-Xylene	13.916	865765	23.499 ng/ml
10) t 1,2,4-Trimethylbenzene	16.191	682658	25.308 ng/ml

(f)=RT Delta > 1/2 Window

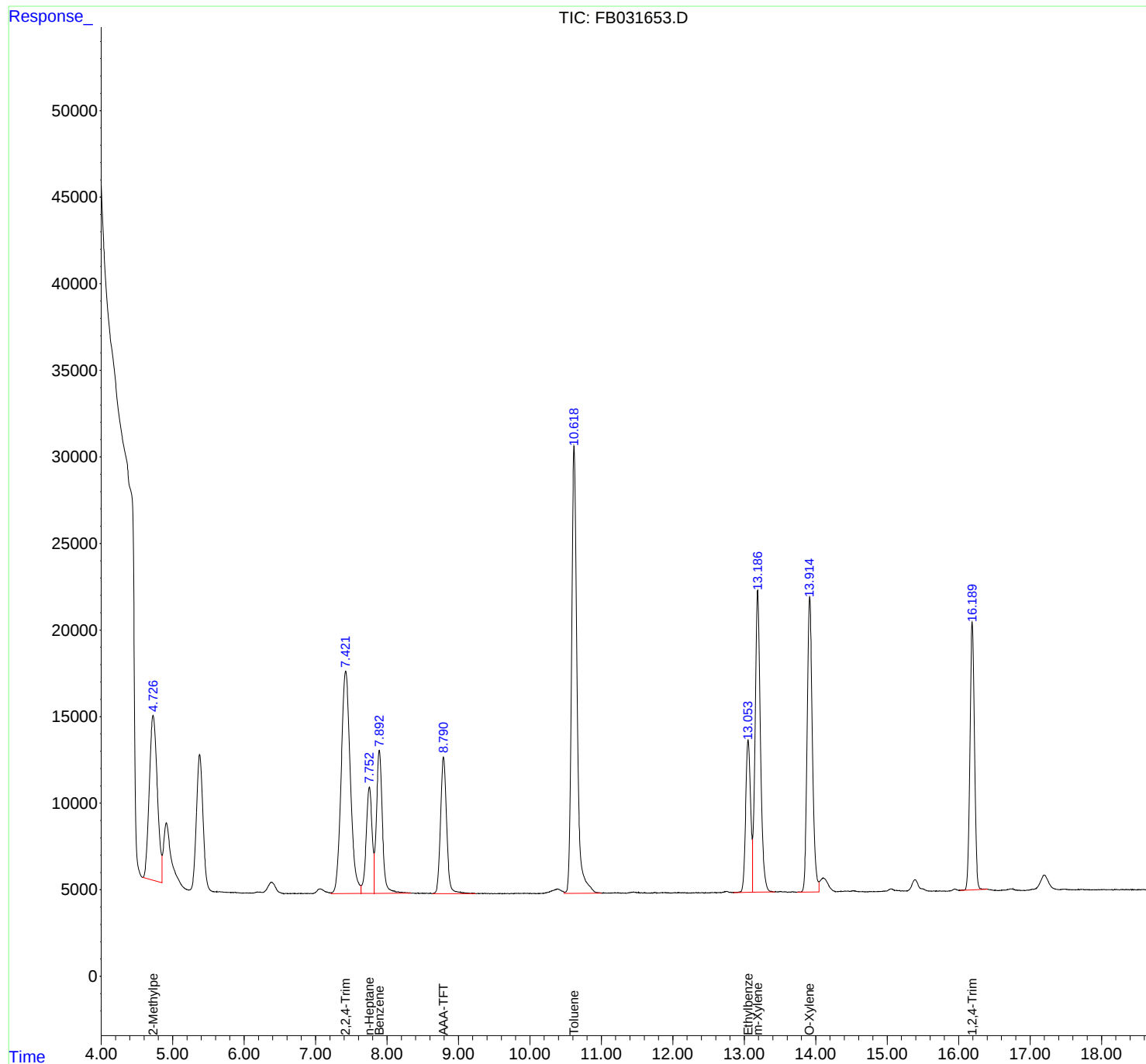
(m)=manual int.

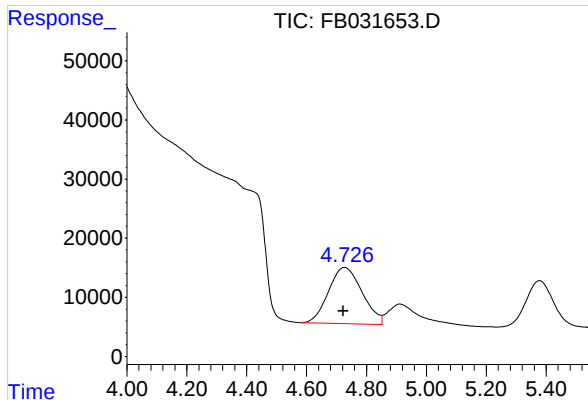
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB042925\
Data File : FB031653.D
Signal(s) : FID2B.CH
Acq On : 29 Apr 2025 8:43
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Apr 30 02:32:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

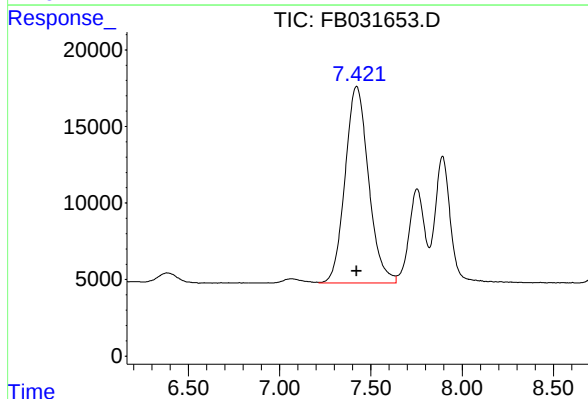




#1 2-Methylpentane

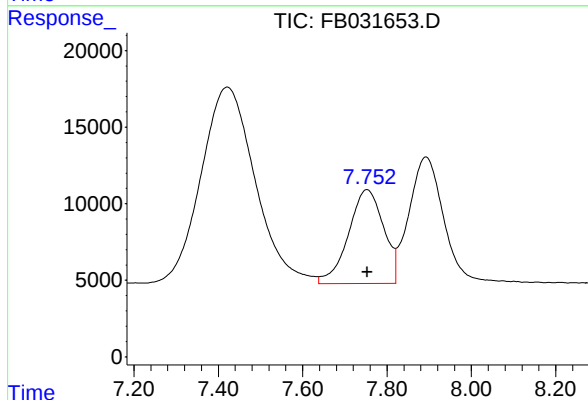
R.T.: 4.727 min
Delta R.T.: 0.004 min
Response: 742854
Conc: 33.43 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



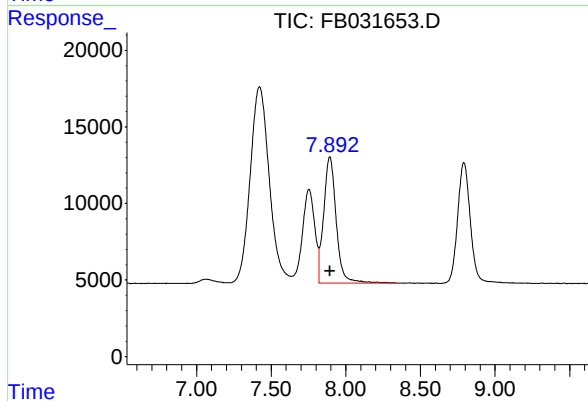
#2 2,2,4-Trimethylpentane

R.T.: 7.422 min
Delta R.T.: 0.001 min
Response: 1146334
Conc: 33.56 ng/ml



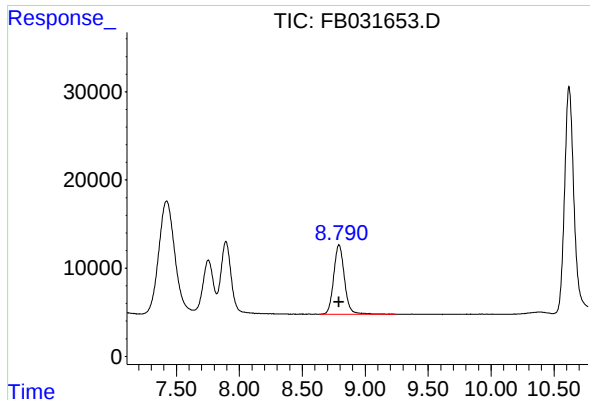
#3 n-Heptane

R.T.: 7.753 min
Delta R.T.: 0.000 min
Response: 354736
Conc: 11.53 ng/ml



#4 Benzene

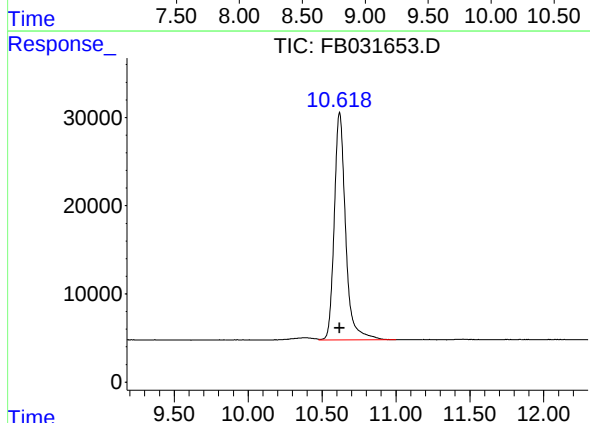
R.T.: 7.893 min
Delta R.T.: 0.000 min
Response: 481979
Conc: 11.79 ng/ml



#5 AAA-TFT

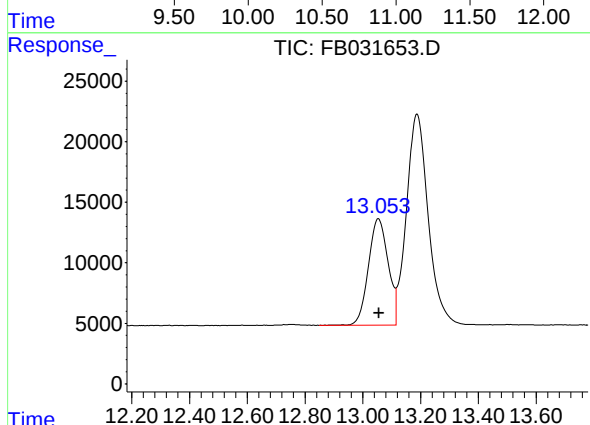
R.T.: 8.791 min
Delta R.T.: 0.000 min
Response: 471819
Conc: 20.57 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



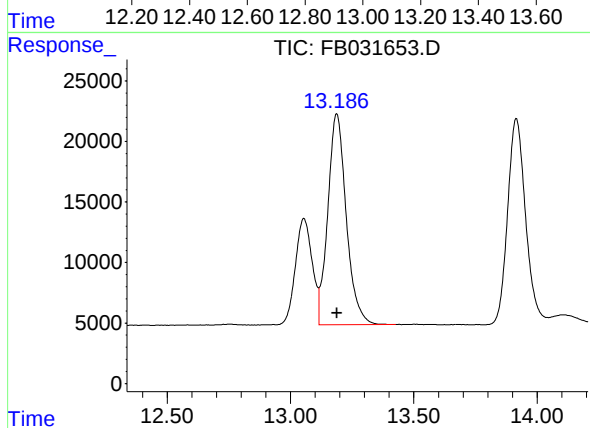
#6 Toluene

R.T.: 10.619 min
Delta R.T.: 0.000 min
Response: 1374660
Conc: 34.50 ng/ml



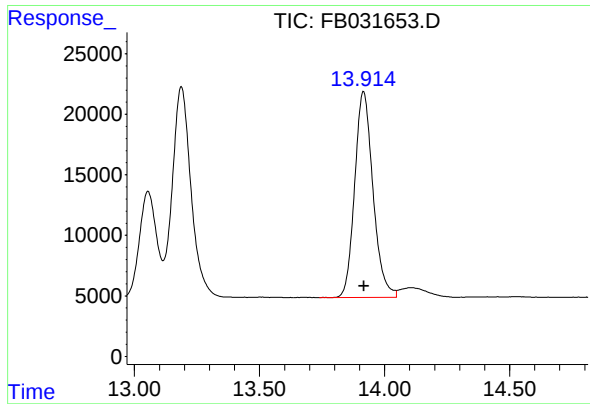
#7 Ethylbenzene

R.T.: 13.054 min
Delta R.T.: -0.001 min
Response: 417440
Conc: 11.68 ng/ml



#8 m-Xylene

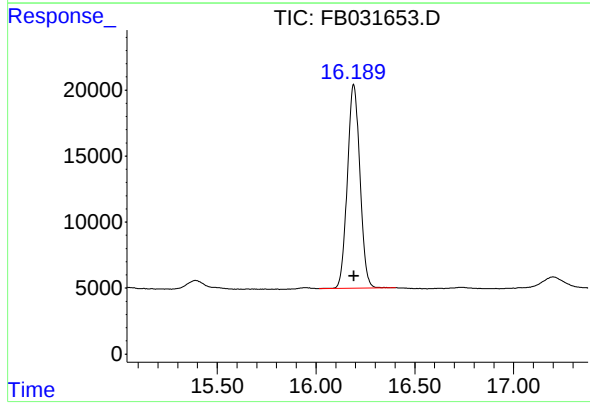
R.T.: 13.188 min
Delta R.T.: -0.001 min
Response: 908924
Conc: 23.26 ng/ml



#9 O-Xylene

R.T.: 13.916 min
Delta R.T.: -0.001 min
Response: 865765
Conc: 23.50 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



#10 1,2,4-Trimethylbenzene

R.T.: 16.191 min
Delta R.T.: -0.002 min
Response: 682658
Conc: 25.31 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB042925\
Data File : FB031653.D
Signal(s) : FID2B.CH
Acq On : 29 Apr 2025 8:43
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.727	4.576	4.852	BV	9521	742854	54.04%	9.975%
2	7.422	7.216	7.638	VV	12847	1146334	83.39%	15.393%
3	7.753	7.638	7.820	VV	6140	354736	25.81%	4.763%
4	7.893	7.820	8.336	VB	8275	481979	35.06%	6.472%
5	8.791	8.632	9.244	PB	7895	471819	34.32%	6.336%
6	10.619	10.480	11.000	VV	25807	1374660	100.00%	18.459%
7	13.054	12.848	13.115	BV	8804	417440	30.37%	5.605%
8	13.188	13.115	13.427	VV	17441	908924	66.12%	12.205%
9	13.916	13.739	14.047	BV	17030	865765	62.98%	11.625%
10	16.191	16.014	16.404	PBA	15436	682658	49.66%	9.167%

Sum of corrected areas: 7447168

FB042325.M Wed Apr 30 03:40:26 2025

GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Chemtech Contract: ALLI03
ProjectID: NJ Soil PT
Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872 SDG No.: Q1872
DataFile: FB031663.D Analyst Name: YP/AJ Analyst Date: 04-29-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	6289059	34939	33435	4.498

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB042925\
 Data File : FB031663.D
 Signal(s) : FID2B.CH
 Acq On : 29 Apr 2025 15:34
 Operator : YP/AJ
 Sample : 20 PPB GRO STD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 FID_B
 ClientSampleId :
 20 PPB GRO STD

Integration File: Calibration.e
 Quant Time: Apr 30 02:34:00 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
 Quant Title :
 QLast Update : Wed Apr 23 13:48:24 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	415655	18.125 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.725	597978	26.910 ng/ml
2) t 2,2,4-Trimethylpentane	7.424	984719	28.828 ng/ml
3) t n-Heptane	7.756	287799	9.357 ng/ml
4) t Benzene	7.896	397190	9.713 ng/ml
6) t Toluene	10.622	1240111	31.126 ng/ml
7) t Ethylbenzene	13.058	384316	10.755 ng/ml
8) t m-Xylene	13.192	920200	23.551 ng/ml
9) t O-Xylene	13.920	795304	21.586 ng/ml
10) t 1,2,4-Trimethylbenzene	16.196	681442	25.262 ng/ml

(f)=RT Delta > 1/2 Window

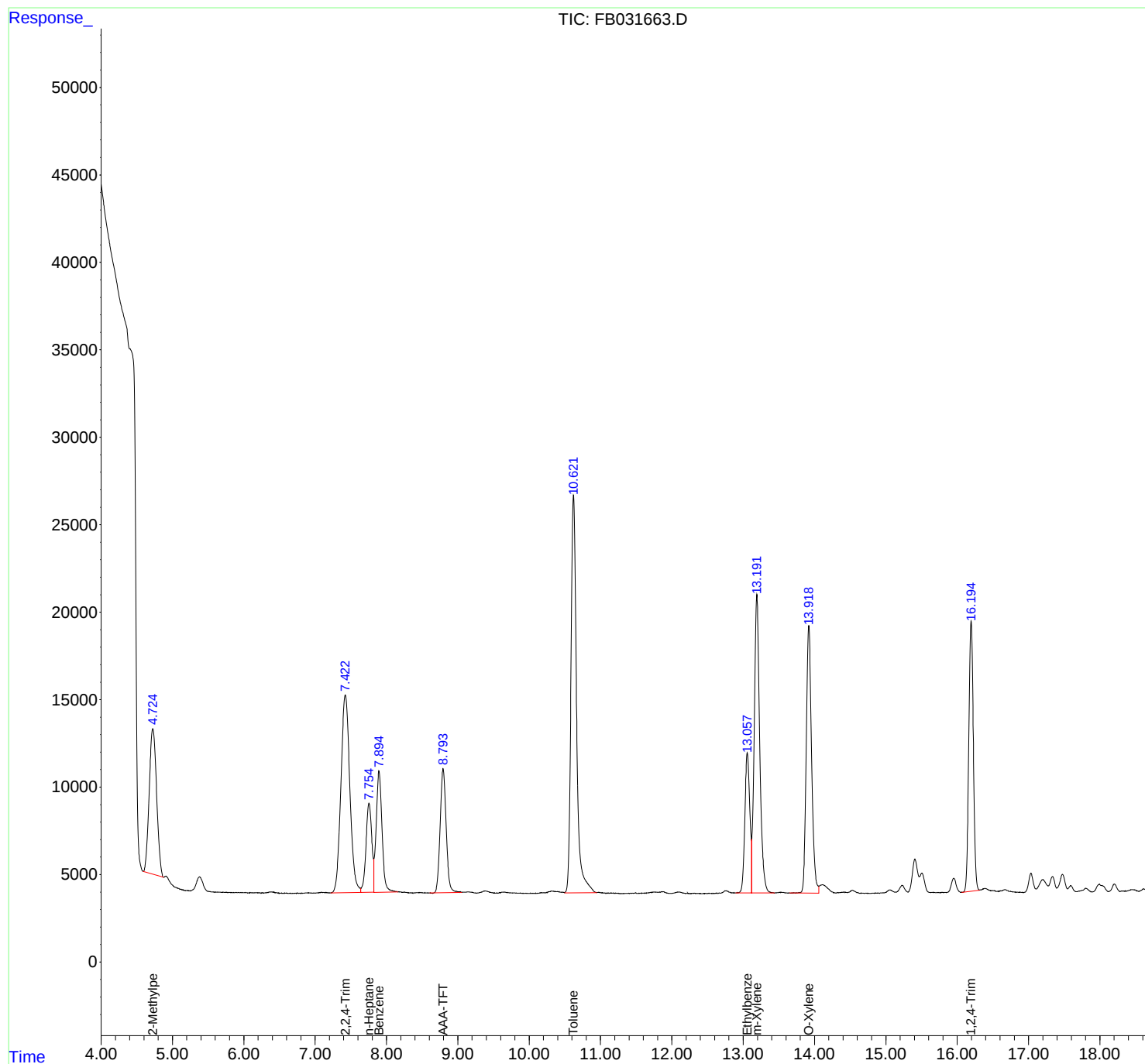
(m)=manual int.

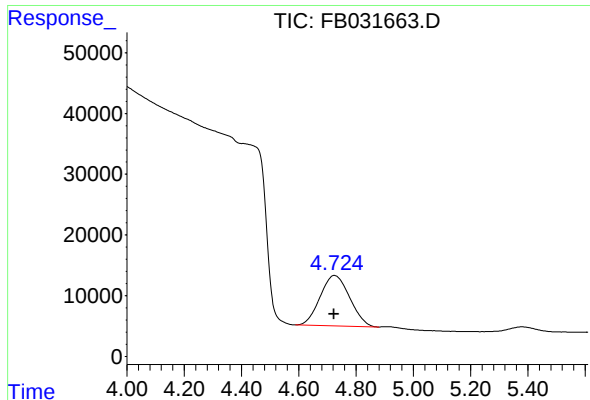
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB042925\
Data File : FB031663.D
Signal(s) : FID2B.CH
Acq On : 29 Apr 2025 15:34
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Apr 30 02:34:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

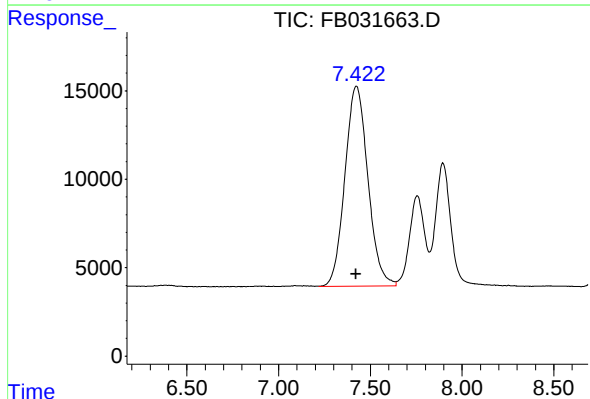




#1 2-Methylpentane

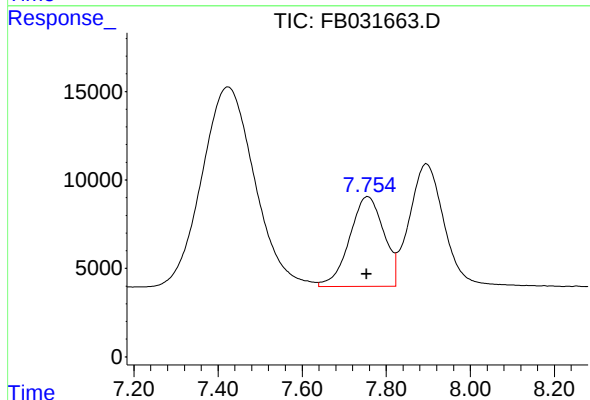
R.T.: 4.725 min
Delta R.T.: 0.002 min
Response: 597978
Conc: 26.91 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



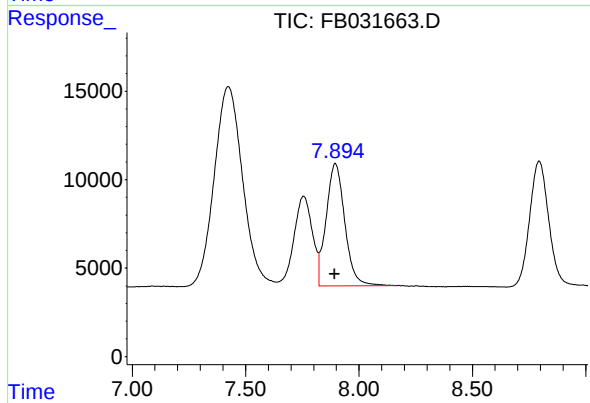
#2 2,2,4-Trimethylpentane

R.T.: 7.424 min
Delta R.T.: 0.003 min
Response: 984719
Conc: 28.83 ng/ml



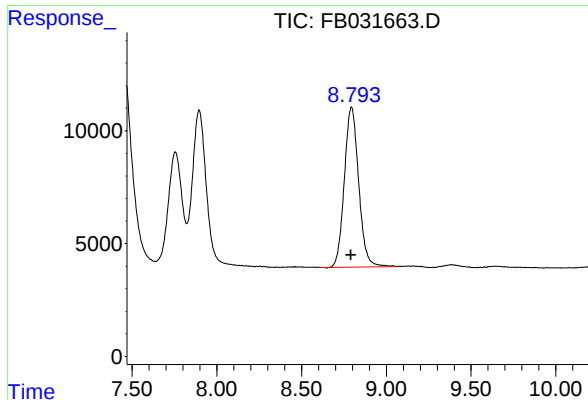
#3 n-Heptane

R.T.: 7.756 min
Delta R.T.: 0.002 min
Response: 287799
Conc: 9.36 ng/ml



#4 Benzene

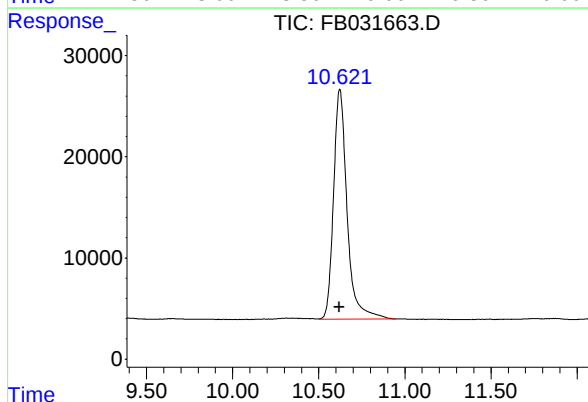
R.T.: 7.896 min
Delta R.T.: 0.002 min
Response: 397190
Conc: 9.71 ng/ml



#5 AAA-TFT

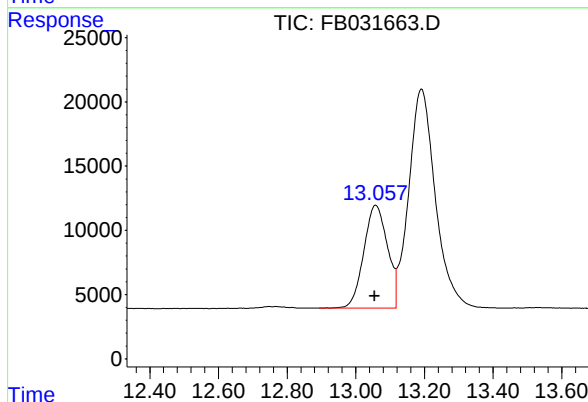
R.T.: 8.795 min
Delta R.T.: 0.003 min
Response: 415655
Conc: 18.12 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



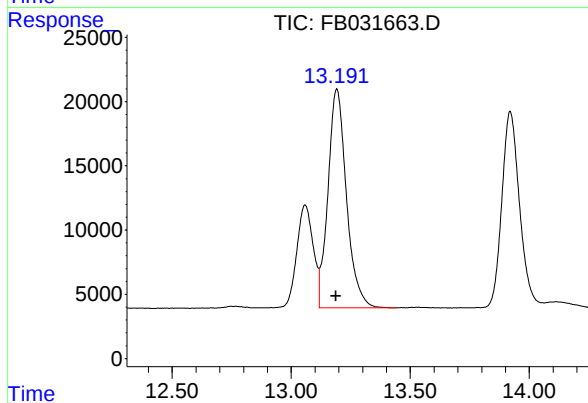
#6 Toluene

R.T.: 10.622 min
Delta R.T.: 0.003 min
Response: 1240111
Conc: 31.13 ng/ml



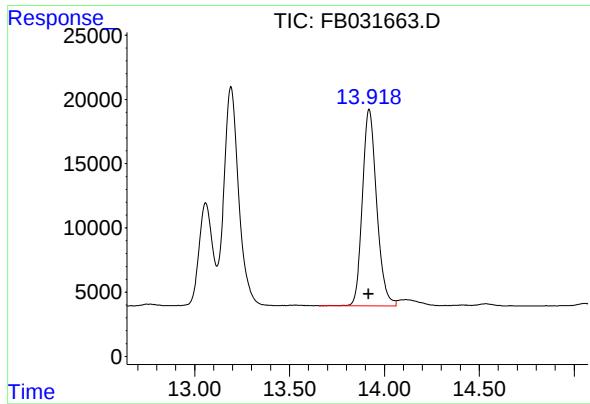
#7 Ethylbenzene

R.T.: 13.058 min
Delta R.T.: 0.003 min
Response: 384316
Conc: 10.75 ng/ml



#8 m-Xylene

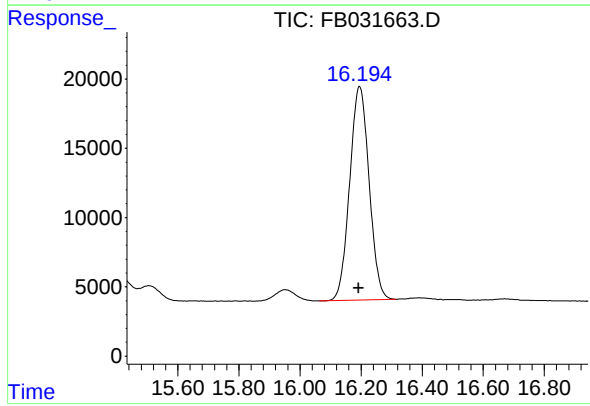
R.T.: 13.192 min
Delta R.T.: 0.003 min
Response: 920200
Conc: 23.55 ng/ml



#9 O-Xylene

R.T.: 13.920 min
Delta R.T.: 0.003 min
Response: 795304
Conc: 21.59 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



#10 1,2,4-Trimethylbenzene

R.T.: 16.196 min
Delta R.T.: 0.003 min
Response: 681442
Conc: 25.26 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB042925\
Data File : FB031663.D
Signal(s) : FID2B.CH
Acq On : 29 Apr 2025 15:34
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.725	4.587	4.880	BV	8321	597978	48.22%	8.919%
2	7.424	7.220	7.639	BV	11305	984719	79.41%	14.687%
3	7.756	7.639	7.823	VV	5087	287799	23.21%	4.292%
4	7.896	7.823	8.162	VV	6936	397190	32.03%	5.924%
5	8.795	8.604	9.057	BV	7096	415655	33.52%	6.199%
6	10.622	10.502	10.949	VV	22730	1240111	100.00%	18.496%
7	13.058	12.893	13.118	BV	8010	384316	30.99%	5.732%
8	13.192	13.118	13.441	VV	17060	920200	74.20%	13.725%
9	13.920	13.655	14.061	BV	15306	795304	64.13%	11.862%
10	16.196	16.063	16.315	PV	15434	681442	54.95%	10.164%

Sum of corrected areas: 6704715

FB042325.M Wed Apr 30 03:42:36 2025

GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Chemtech Contract: ALLI03
ProjectID: NJ Soil PT
Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872 SDG No.: Q1872
DataFile: FB031666.D Analyst Name: YP/AJ Analyst Date: 04-29-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	6856486	38092	33435	13.929

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB042925\
 Data File : FB031666.D
 Signal(s) : FID2B.CH
 Acq On : 29 Apr 2025 17:21
 Operator : YP/AJ
 Sample : 20 PPB GRO STD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 FID_B
 ClientSampleId :
 20 PPB GRO STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/30/2025
 Supervised By :mohammad ahmed 05/02/2025

Integration File: Calibration.e
 Quant Time: Apr 30 02:34:23 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
 Quant Title :
 QLast Update : Wed Apr 23 13:48:24 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	522141	22.768 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.725	700936	31.543 ng/mlm
2) t 2,2,4-Trimethylpentane	7.426	1121357	32.828 ng/ml
3) t n-Heptane	7.758	323860	10.529 ng/ml
4) t Benzene	7.899	461445	11.284 ng/ml
6) t Toluene	10.626	1361986	34.185 ng/ml
7) t Ethylbenzene	13.062	416836	11.665 ng/ml
8) t m-Xylene	13.195	945395	24.196 ng/ml
9) t O-Xylene	13.924	862480	23.409 ng/ml
10) t 1,2,4-Trimethylbenzene	16.198	662191	24.549 ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB042925\
Data File : FB031666.D
Signal(s) : FID2B.CH
Acq On : 29 Apr 2025 17:21
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 15 Sample Multiplier: 1

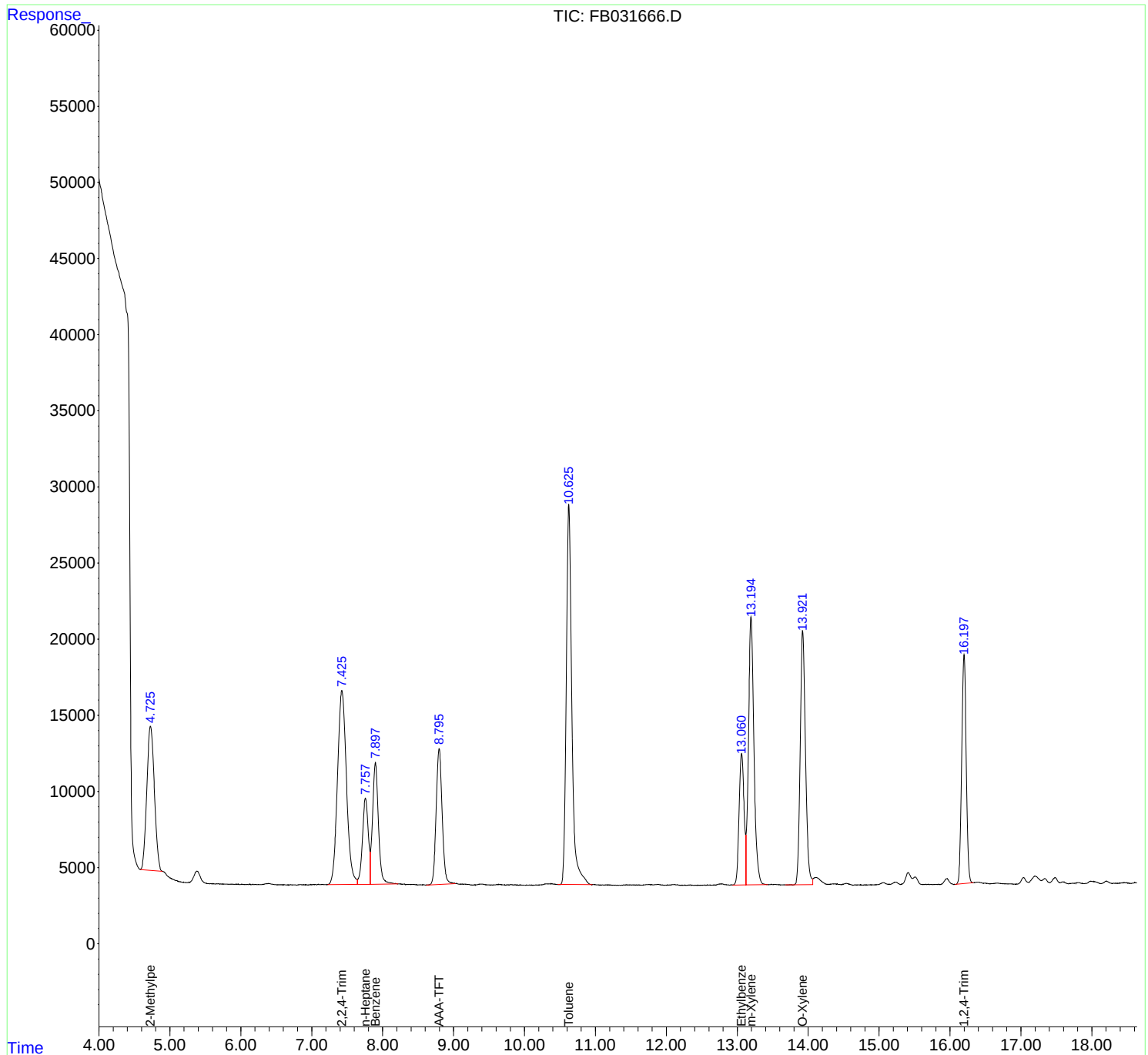
Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

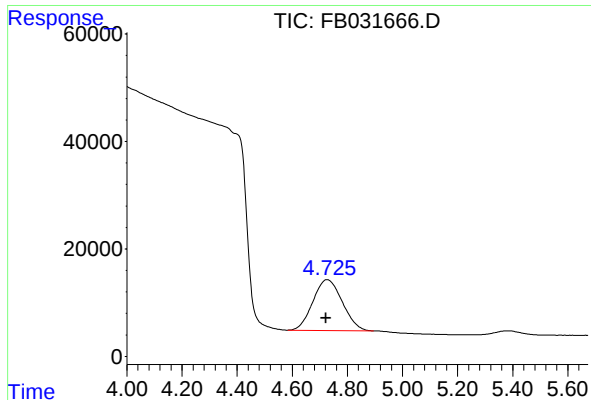
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/30/2025
Supervised By :mohammad ahmed 05/02/2025

Integration File: Calibration.e
Quant Time: Apr 30 02:34:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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





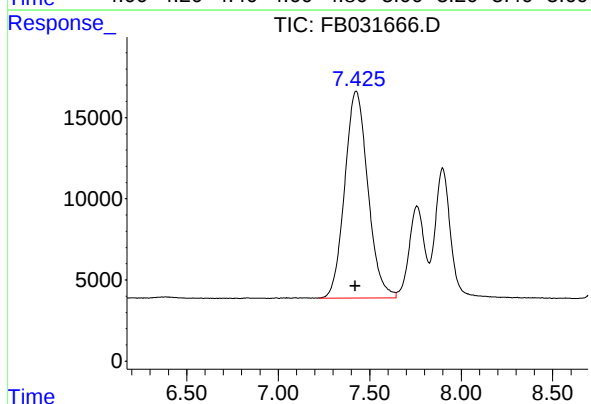
#1 2-Methylpentane

R.T.: 4.725 min
Delta R.T.: 0.002 min
Response: 700936
Conc: 31.54 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

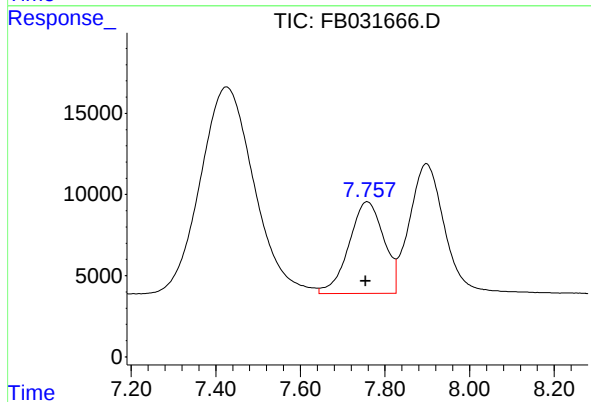
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



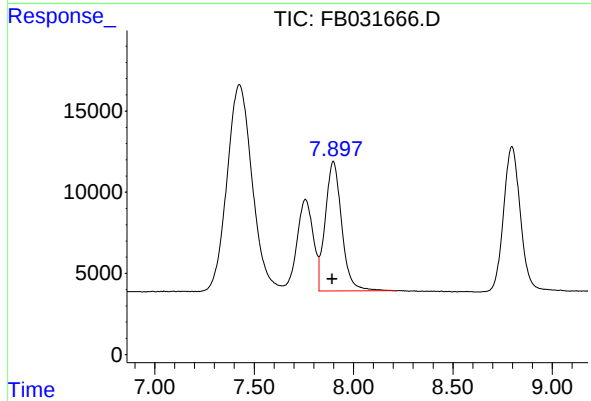
#2 2,2,4-Trimethylpentane

R.T.: 7.426 min
Delta R.T.: 0.005 min
Response: 1121357
Conc: 32.83 ng/ml



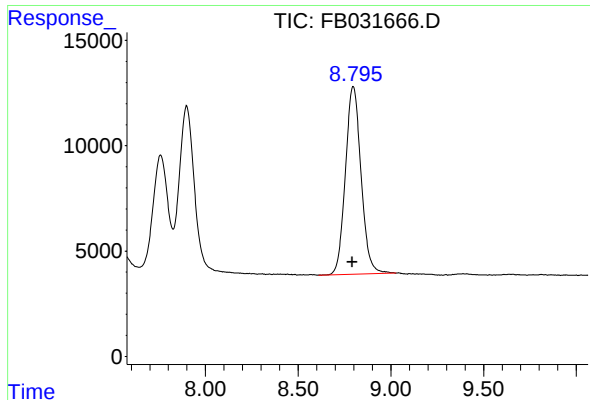
#3 n-Heptane

R.T.: 7.758 min
Delta R.T.: 0.005 min
Response: 323860
Conc: 10.53 ng/ml



#4 Benzene

R.T.: 7.899 min
Delta R.T.: 0.005 min
Response: 461445
Conc: 11.28 ng/ml



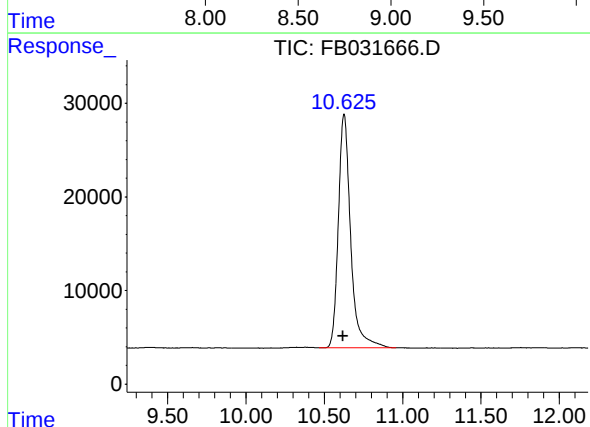
#5 AAA-TFT

R.T.: 8.797 min
Delta R.T.: 0.005 min
Response: 522141
Conc: 22.77 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

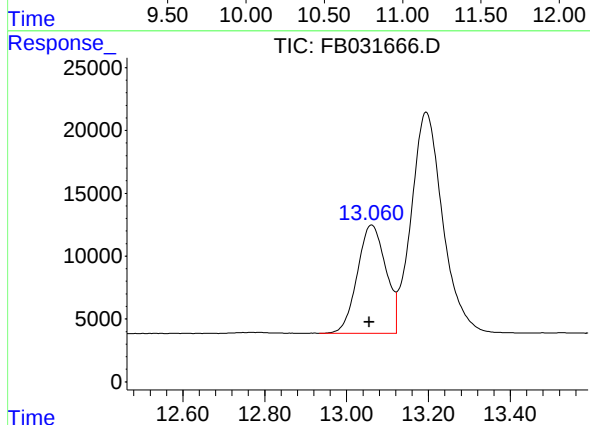
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



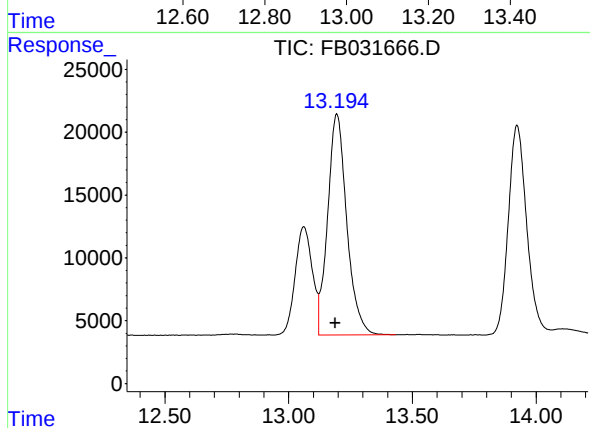
#6 Toluene

R.T.: 10.626 min
Delta R.T.: 0.006 min
Response: 1361986
Conc: 34.18 ng/ml



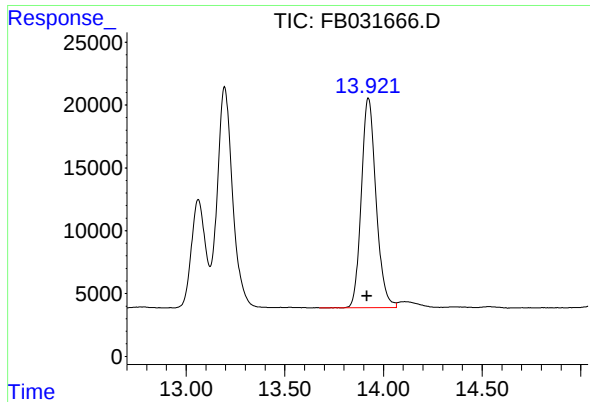
#7 Ethylbenzene

R.T.: 13.062 min
Delta R.T.: 0.006 min
Response: 416836
Conc: 11.67 ng/ml



#8 m-Xylene

R.T.: 13.195 min
Delta R.T.: 0.006 min
Response: 945395
Conc: 24.20 ng/ml



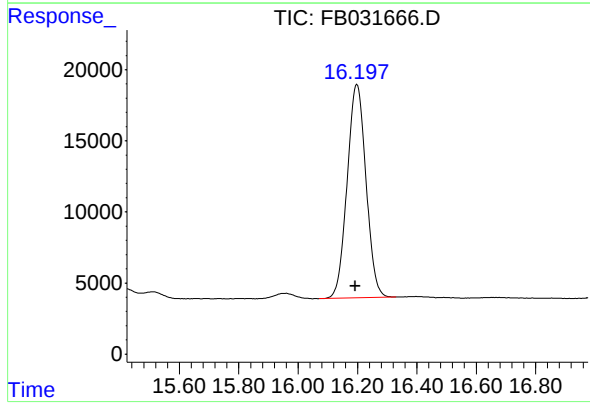
#9 O-Xylene

R.T.: 13.924 min
Delta R.T.: 0.007 min
Response: 862480
Conc: 23.41 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



#10 1,2,4-Trimethylbenzene

R.T.: 16.198 min
Delta R.T.: 0.005 min
Response: 662191
Conc: 24.55 ng/ml

rteres

Instrument :
FID_B
LabSampleId :
20 PPB GRO STD
Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB04292
Data File : FB031666.D
Signal(s) : FID2B.CH
Acq On : 29 Apr 2025 17:21
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/30/2025
Supervised By :mohammad ahmed 05/02/2025

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.727	4.571	5.085	BV	9610	746076	54.78%	10.050%
2	7.426	7.223	7.644	BV	12748	1121357	82.33%	15.105%
3	7.758	7.644	7.826	VV	5656	323860	23.78%	4.362%
4	7.899	7.826	8.214	VV	7997	461445	33.88%	6.216%
5	8.797	8.612	9.027	BV	8922	522141	38.34%	7.033%
6	10.626	10.466	10.957	BV	24975	1361986	100.00%	18.346%
7	13.062	12.933	13.122	VV	8622	416836	30.61%	5.615%
8	13.195	13.122	13.433	VV	17596	945395	69.41%	12.735%
9	13.924	13.675	14.065	BV	16681	862480	63.33%	11.618%
10	16.198	16.071	16.330	PV	15018	662191	48.62%	8.920%

Sum of corrected areas: 7423766

FB042325.M Wed Apr 30 03:43:14 2025

Analytical Sequence

Client: Alliance Technical Group, LLC - Newark

SDG No.: Q1872

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 8.7924					
EPA SAMPLE NO.	LAB SAMPLE ID	DATE AND TIME ANALYZED	DATAFILE	RT	#
20 PPB GRO STD	20 PPB GRO STD	29 Apr 2025 8:43	FB031653.D	8.791	
VBF0429S2	VBF0429S2	29 Apr 2025 9:52	FB031655.D	8.794	
BSF0429S1	BSF0429S1	29 Apr 2025 10:19	FB031656.D	8.794	
HW0425-PT-GAS-SOIL	Q1872-15	29 Apr 2025 14:10	FB031661.D	8.805	
BSF0429S2	BSF0429S2	29 Apr 2025 15:06	FB031662.D	8.795	
20 PPB GRO STD	20 PPB GRO STD	29 Apr 2025 15:34	FB031663.D	8.795	



QC SAMPLE DATA

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:		
Project:	NJ Soil PT		Date Received:		
Client Sample ID:	VBF0429S2		SDG No.:	Q1872	
Lab Sample ID:	VBF0429S2		Matrix:	SOIL	
Analytical Method:	8015D GRO		% Solid:	100	Decanted:
Sample Wt/Vol:	5	Units: g	Final Vol:	5	mL
Soil Aliquot Vol:		uL	Test:	Gasoline Range Organics	
Extraction Type:			Injection Volume :		
GPC Factor :	PH :				
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031655.D	50	04/29/25 9:52	FB042925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	413	U	413	2250	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	18.2		50 - 150	91%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB042925\
Data File : FB031655.D
Signal(s) : FID2B.CH
Acq On : 29 Apr 2025 9:52
Operator : YP/AJ
Sample : VBF0429S2 50X
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0429S2

Integration File: Calibration.e
Quant Time: Apr 30 02:32:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
5) s AAA-TFT	8.794	418197	18.236 ng/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

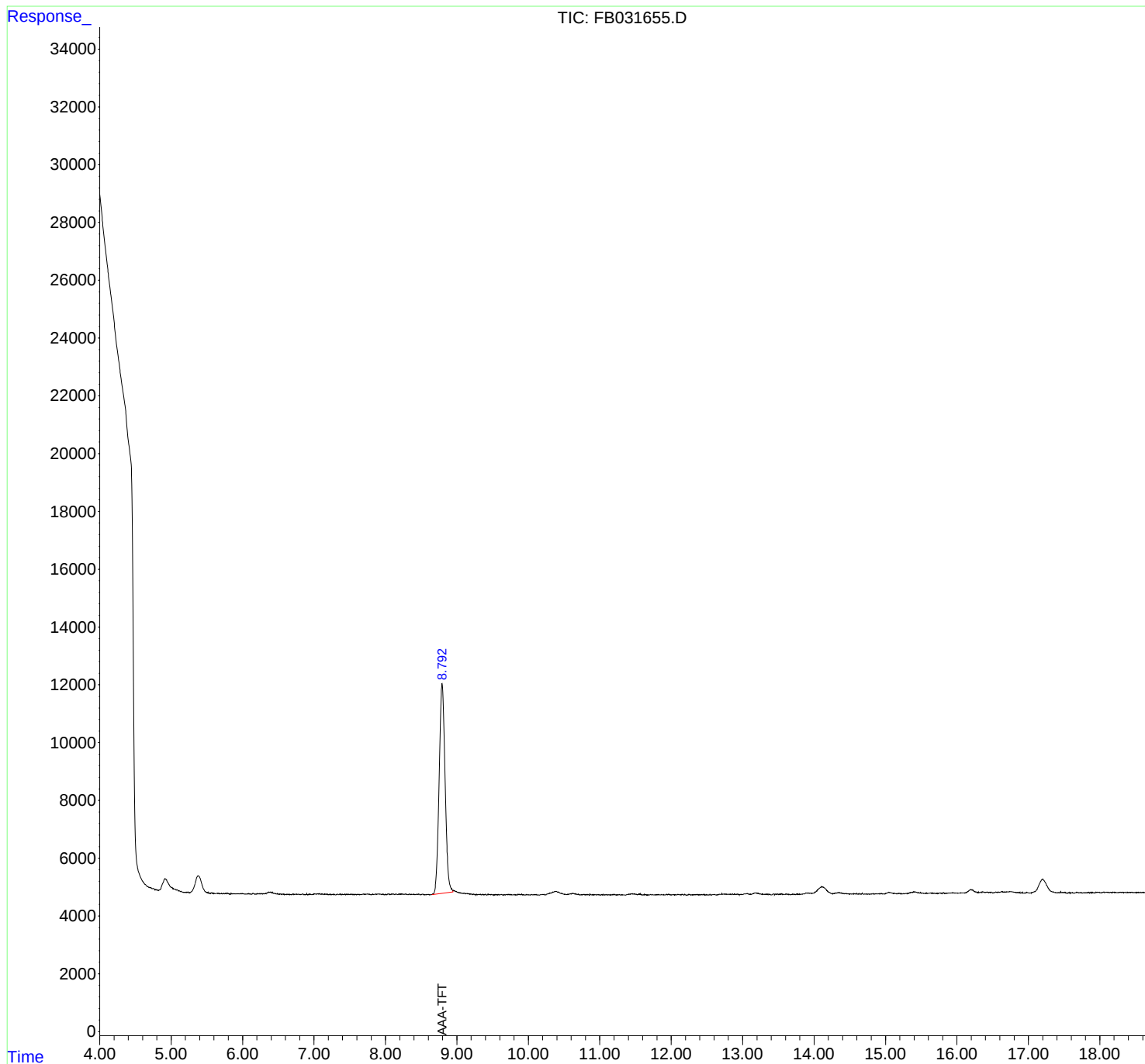
(m)=manual int.

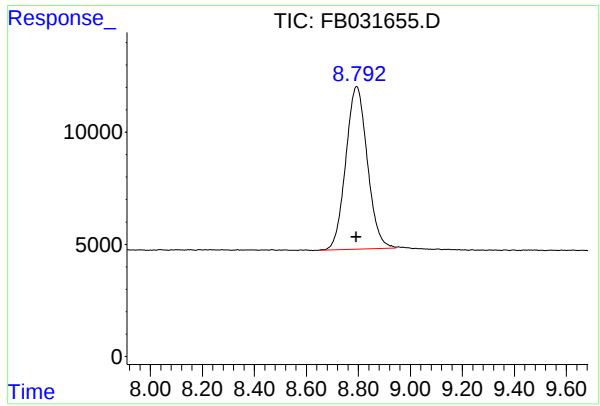
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB042925\
Data File : FB031655.D
Signal(s) : FID2B.CH
Acq On : 29 Apr 2025 9:52
Operator : YP/AJ
Sample : VBF0429S2 50X
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0429S2

Integration File: Calibration.e
Quant Time: Apr 30 02:32:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#5 AAA-TFT

R.T.: 8.794 min
Delta R.T.: 0.002 min
Response: 418197
Conc: 18.24 ng/ml

Instrument :
FID_B
ClientSampleId :
VBF0429S2

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB042925\
Data File : FB031655.D
Signal(s) : FID2B.CH
Acq On : 29 Apr 2025 9:52
Sample : VBF0429S2 50X
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 3 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	8.794	8.648	8.944	BV	7262	418197	100.00%	100.000%
Sum of corrected areas:						418197		

FB042325.M Wed Apr 30 03:41:01 2025

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:		
Project:	NJ Soil PT		Date Received:		
Client Sample ID:	BSF0429S1		SDG No.:	Q1872	
Lab Sample ID:	BSF0429S1		Matrix:	SOIL	
Analytical Method:	8015D GRO		% Solid:	100	Decanted:
Sample Wt/Vol:	5	Units: g	Final Vol:	5	mL
Soil Aliquot Vol:		uL	Test:	Gasoline Range Organics	
Extraction Type:			Injection Volume :		
GPC Factor :	PH :				
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031656.D	1	04/29/25 10:19	FB042925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	174		8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	18.6		50 - 150	93%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB042925\
 Data File : FB031656.D
 Signal(s) : FID2B.CH
 Acq On : 29 Apr 2025 10:19
 Operator : YP/AJ
 Sample : BSF0429S1
 Misc : 5.00G/5.00 ML DI WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 FID_B
 ClientSampleId :
 BSF0429S1

Integration File: Calibration.e
 Quant Time: Apr 30 02:33:05 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
 Quant Title :
 QLast Update : Wed Apr 23 13:48:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
5) s AAA-TFT	8.794	425954	18.574 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.726	614566	27.657 ng/ml
2) t 2,2,4-Trimethylpentane	7.424	979564	28.677 ng/ml
3) t n-Heptane	7.757	284925	9.263 ng/ml
4) t Benzene	7.896	386594	9.454 ng/ml
6) t Toluene	10.622	1155235	28.996 ng/ml
7) t Ethylbenzene	13.058	351295	9.831 ng/ml
8) t m-Xylene	13.192	767769	19.650 ng/ml
9) t O-Xylene	13.919	722863	19.620 ng/ml
10) t 1,2,4-Trimethylbenzene	16.195	540601	20.041 ng/ml

(f)=RT Delta > 1/2 Window

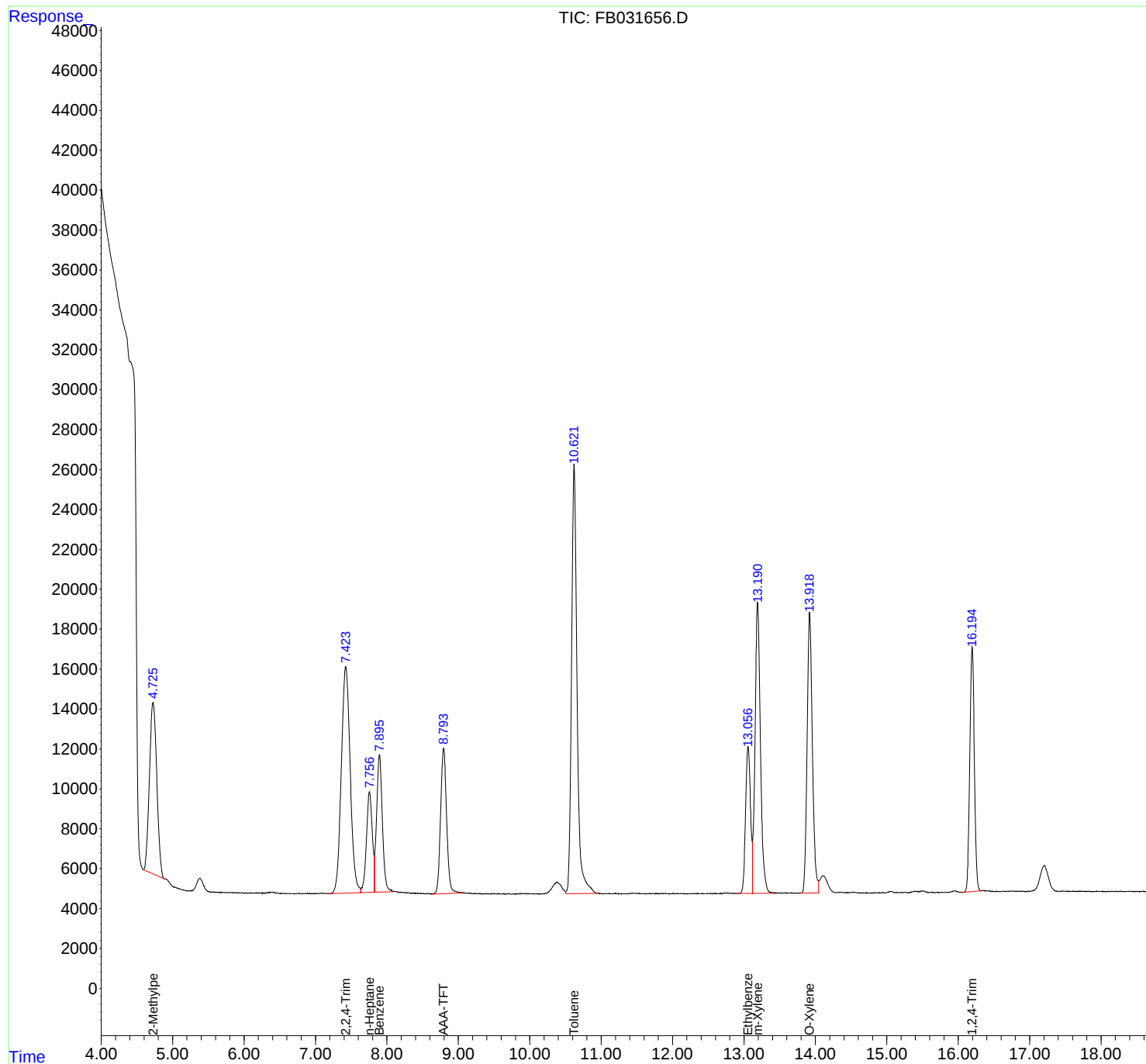
(m)=manual int.

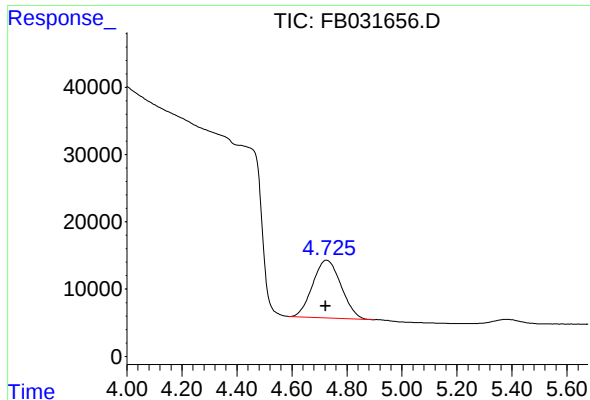
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB042925\
Data File : FB031656.D
Signal(s) : FID2B.CH
Acq On : 29 Apr 2025 10:19
Operator : YP/AJ
Sample : BSF0429S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0429S1

Integration File: Calibration.e
Quant Time: Apr 30 02:33:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

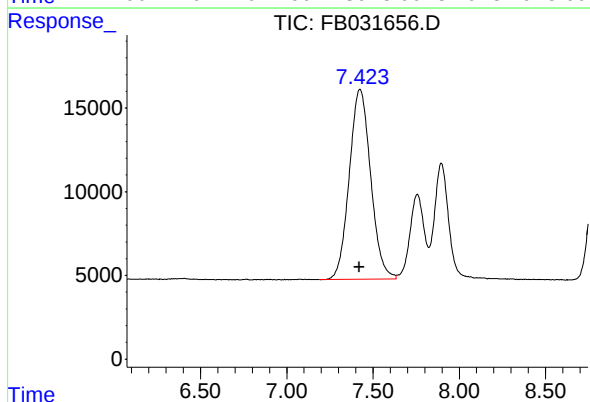




#1 2-Methylpentane

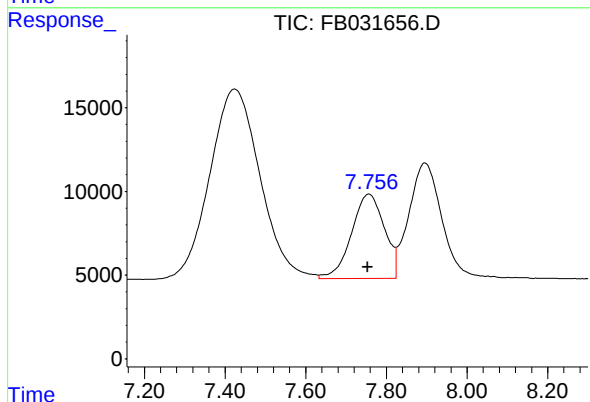
R.T.: 4.726 min
Delta R.T.: 0.003 min
Response: 614566
Conc: 27.66 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0429S1



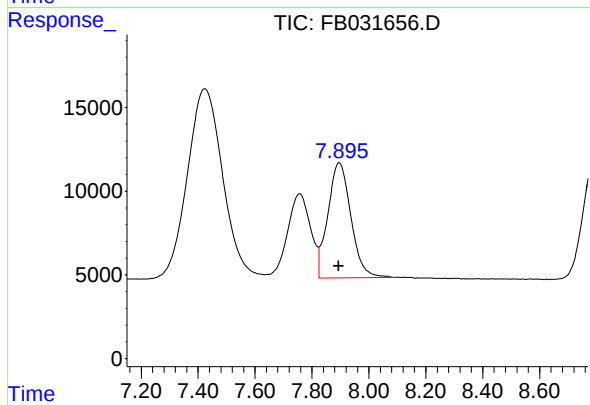
#2 2,2,4-Trimethylpentane

R.T.: 7.424 min
Delta R.T.: 0.003 min
Response: 979564
Conc: 28.68 ng/ml



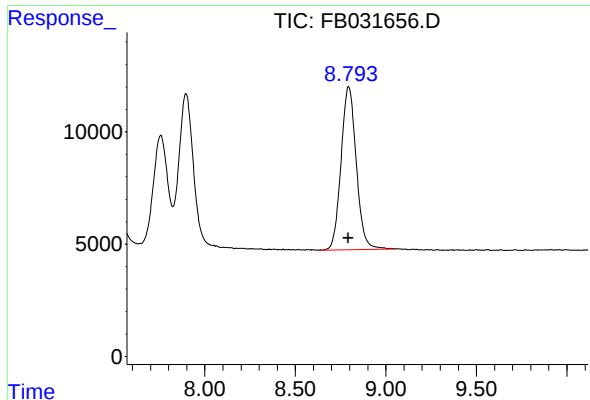
#3 n-Heptane

R.T.: 7.757 min
Delta R.T.: 0.004 min
Response: 284925
Conc: 9.26 ng/ml



#4 Benzene

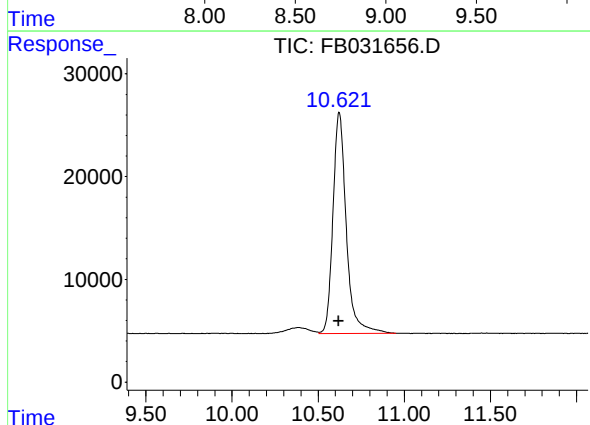
R.T.: 7.896 min
Delta R.T.: 0.003 min
Response: 386594
Conc: 9.45 ng/ml



#5 AAA-TFT

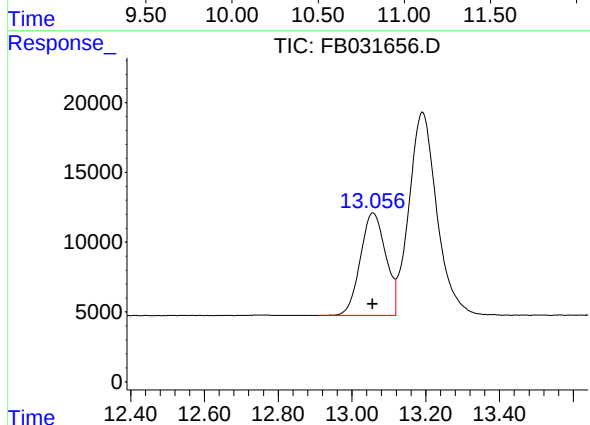
R.T.: 8.794 min
Delta R.T.: 0.002 min
Response: 425954
Conc: 18.57 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0429S1



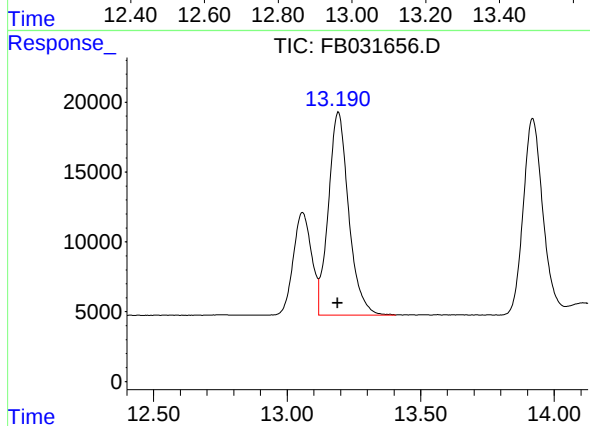
#6 Toluene

R.T.: 10.622 min
Delta R.T.: 0.002 min
Response: 1155235
Conc: 29.00 ng/ml



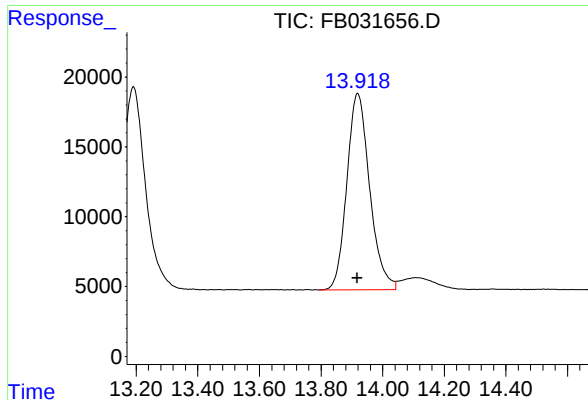
#7 Ethylbenzene

R.T.: 13.058 min
Delta R.T.: 0.002 min
Response: 351295
Conc: 9.83 ng/ml



#8 m-Xylene

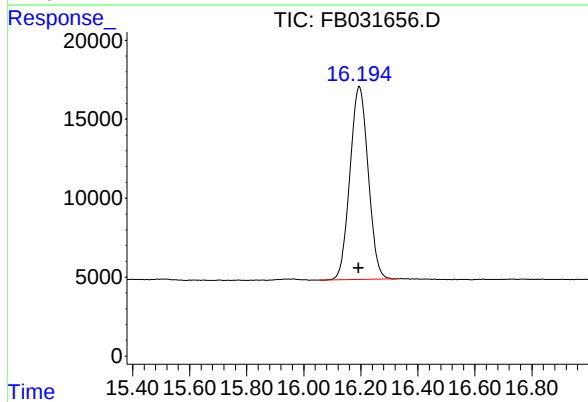
R.T.: 13.192 min
Delta R.T.: 0.003 min
Response: 767769
Conc: 19.65 ng/ml



#9 O-Xylene

R.T.: 13.919 min
Delta R.T.: 0.002 min
Response: 722863
Conc: 19.62 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0429S1



#10 1,2,4-Trimethylbenzene

R.T.: 16.195 min
Delta R.T.: 0.002 min
Response: 540601
Conc: 20.04 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB042925\
Data File : FB031656.D
Signal(s) : FID2B.CH
Acq On : 29 Apr 2025 10:19
Sample : BSF0429S1
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\FB042325.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.726	4.587	4.899	BV	8594	614566	53.20%	9.866%
2	7.424	7.187	7.633	BV	11354	979564	84.79%	15.725%
3	7.757	7.633	7.824	VV	5040	284925	24.66%	4.574%
4	7.896	7.824	8.095	VV	6879	386594	33.46%	6.206%
5	8.794	8.630	9.055	PV	7275	425954	36.87%	6.838%
6	10.622	10.505	10.952	VV	21519	1155235	100.00%	18.545%
7	13.058	12.909	13.118	BV	7355	351295	30.41%	5.639%
8	13.192	13.118	13.407	VV	14555	767769	66.46%	12.325%
9	13.919	13.792	14.042	PV	14075	722863	62.57%	11.604%
10	16.195	16.055	16.325	BV	12228	540601	46.80%	8.678%

Sum of corrected areas: 6229366

FB042325.M Wed Apr 30 03:41:15 2025

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	
Project:	NJ Soil PT		Date Received:	
Client Sample ID:	BSF0429S2		SDG No.:	Q1872
Lab Sample ID:	BSF0429S2		Matrix:	SOIL
Analytical Method:	8015D GRO		% Solid:	100
Sample Wt/Vol:	5	Units: g	Decanted:	
Soil Aliquot Vol:		uL	Final Vol:	5 mL
Extraction Type:			Test:	Gasoline Range Organics
GPC Factor :		PH :	Injection Volume :	
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031662.D	1	04/29/25 15:06	FB042925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	189		8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	18.0		50 - 150	90%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB042925\
 Data File : FB031662.D
 Signal(s) : FID2B.CH
 Acq On : 29 Apr 2025 15:06
 Operator : YP/AJ
 Sample : BSF0429S2
 Misc : 5.00G/5.00 ML DI WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_B
 ClientSampleId :
 BSF0429S2

Integration File: Calibration.e
 Quant Time: Apr 30 02:33:52 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
 Quant Title :
 QLast Update : Wed Apr 23 13:48:24 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	413420	18.027 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.725	557747	25.100 ng/ml
2) t 2,2,4-Trimethylpentane	7.425	954042	27.930 ng/ml
3) t n-Heptane	7.757	283360	9.213 ng/ml
4) t Benzene	7.897	396227	9.690 ng/ml
6) t Toluene	10.623	1257470	31.562 ng/ml
7) t Ethylbenzene	13.059	393626	11.015 ng/ml
8) t m-Xylene	13.192	957337	24.502 ng/ml
9) t O-Xylene	13.921	806505	21.890 ng/ml
10) t 1,2,4-Trimethylbenzene	16.197	729252	27.035 ng/ml

(f)=RT Delta > 1/2 Window

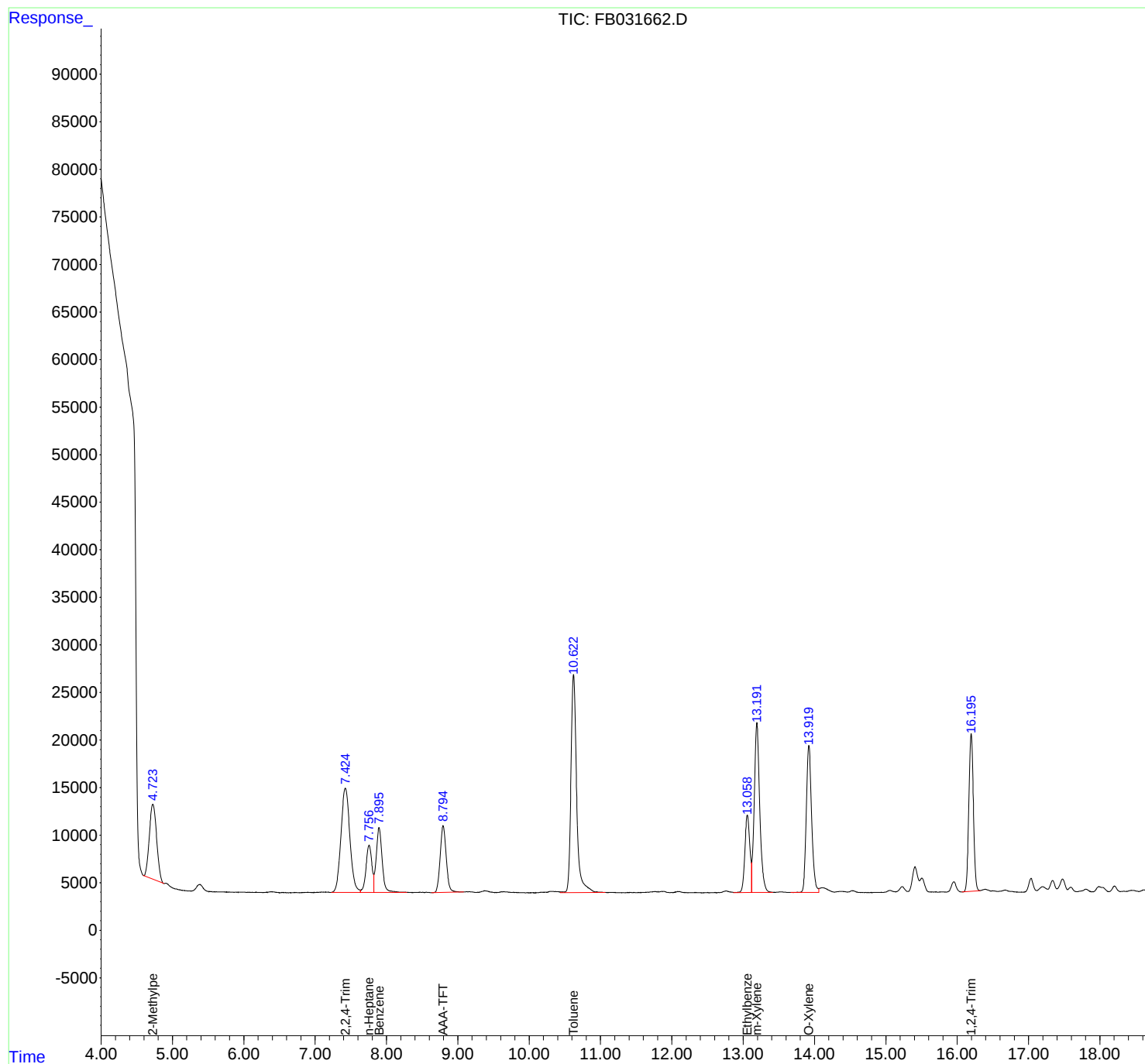
(m)=manual int.

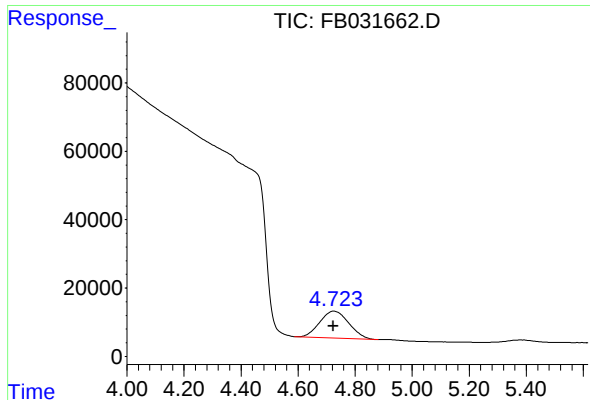
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB042925\
Data File : FB031662.D
Signal(s) : FID2B.CH
Acq On : 29 Apr 2025 15:06
Operator : YP/AJ
Sample : BSF0429S2
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0429S2

Integration File: Calibration.e
Quant Time: Apr 30 02:33:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

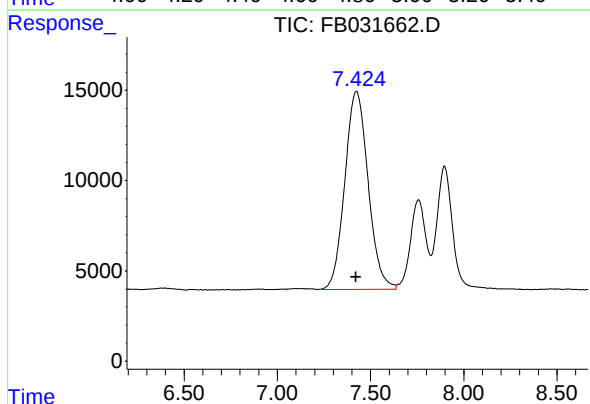




#1 2-Methylpentane

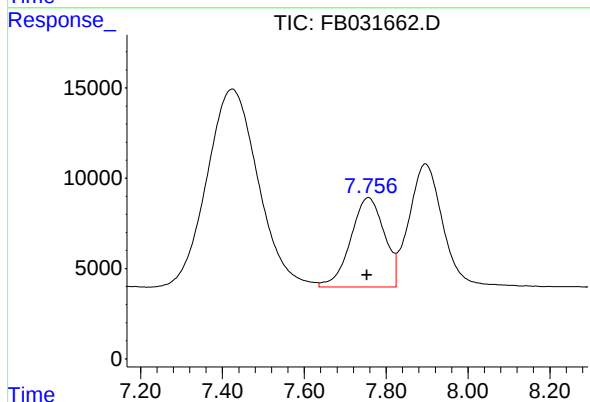
R.T.: 4.725 min
Delta R.T.: 0.002 min
Response: 557747
Conc: 25.10 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0429S2



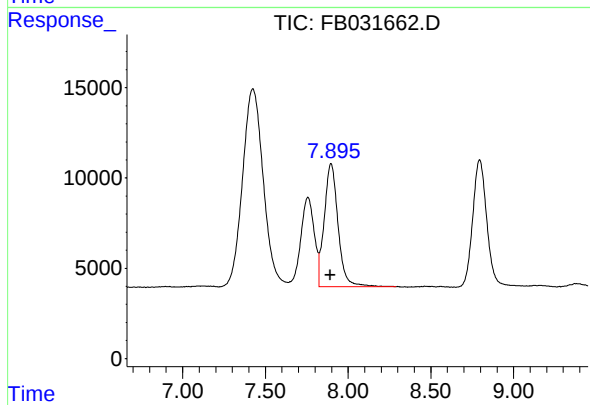
#2 2,2,4-Trimethylpentane

R.T.: 7.425 min
Delta R.T.: 0.004 min
Response: 954042
Conc: 27.93 ng/ml



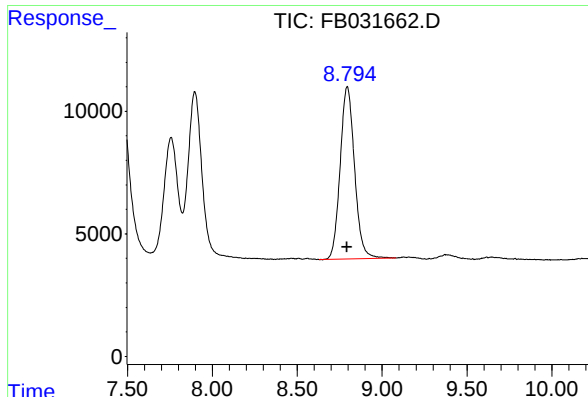
#3 n-Heptane

R.T.: 7.757 min
Delta R.T.: 0.004 min
Response: 283360
Conc: 9.21 ng/ml



#4 Benzene

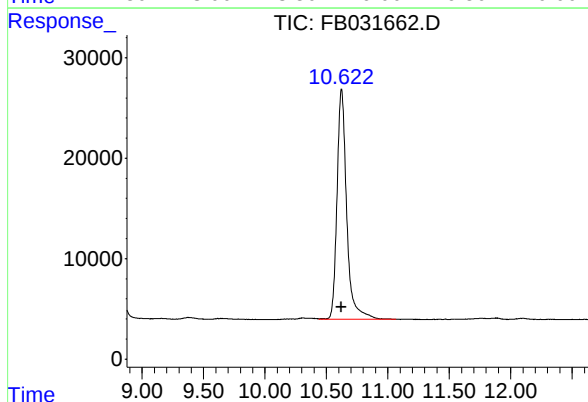
R.T.: 7.897 min
Delta R.T.: 0.003 min
Response: 396227
Conc: 9.69 ng/ml



#5 AAA-TFT

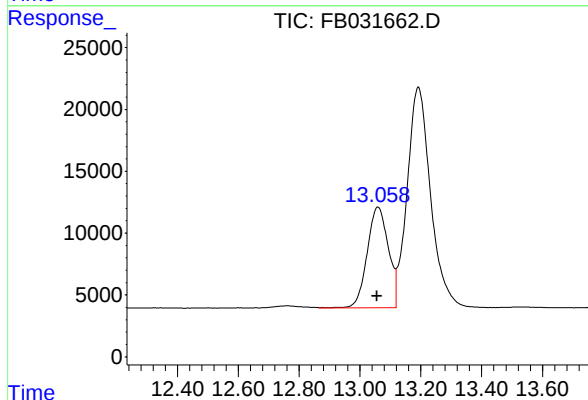
R.T.: 8.795 min
Delta R.T.: 0.003 min
Response: 413420
Conc: 18.03 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0429S2



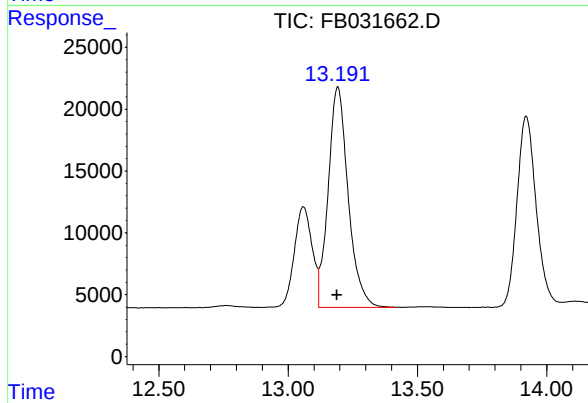
#6 Toluene

R.T.: 10.623 min
Delta R.T.: 0.003 min
Response: 1257470
Conc: 31.56 ng/ml



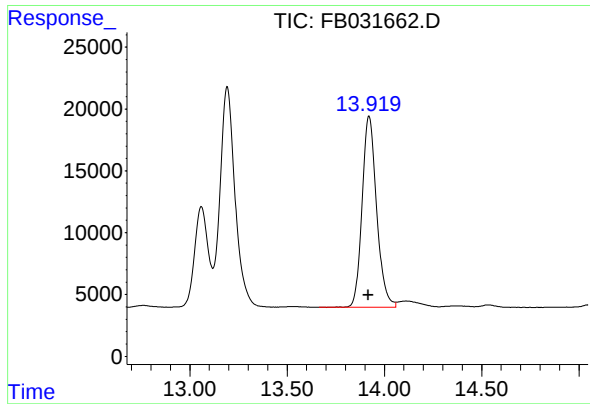
#7 Ethylbenzene

R.T.: 13.059 min
Delta R.T.: 0.004 min
Response: 393626
Conc: 11.02 ng/ml



#8 m-Xylene

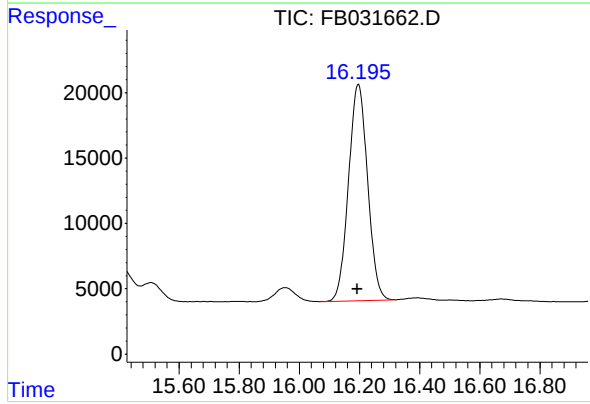
R.T.: 13.192 min
Delta R.T.: 0.003 min
Response: 957337
Conc: 24.50 ng/ml



#9 O-Xylene

R.T.: 13.921 min
Delta R.T.: 0.004 min
Response: 806505
Conc: 21.89 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF0429S2



#10 1,2,4-Trimethylbenzene

R.T.: 16.197 min
Delta R.T.: 0.004 min
Response: 729252
Conc: 27.03 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB042925\
Data File : FB031662.D
Signal(s) : FID2B.CH
Acq On : 29 Apr 2025 15:06
Sample : BSF0429S2
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 11 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.725	4.587	4.882	BV	7883	557747	44.35%	8.264%
2	7.425	7.223	7.636	BV	10975	954042	75.87%	14.136%
3	7.757	7.636	7.824	VV	4961	283360	22.53%	4.199%
4	7.897	7.824	8.289	VV	6829	396227	31.51%	5.871%
5	8.795	8.629	9.082	BV	7035	413420	32.88%	6.126%
6	10.623	10.441	11.067	VV	22932	1257470	100.00%	18.632%
7	13.059	12.865	13.118	VV	8150	393626	31.30%	5.832%
8	13.192	13.118	13.416	VV	17851	957337	76.13%	14.185%
9	13.921	13.664	14.059	BV	15466	806505	64.14%	11.950%
10	16.197	16.066	16.322	PV	16566	729252	57.99%	10.805%

Sum of corrected areas: 6748988

FB042325.M Wed Apr 30 03:42:16 2025

Manual Integration Report

Sample ID	ClientID ID	File ID	Sequence ID	Parameter	Supervised By	Supervised On	Reason
50 GRO STD		FB031641.D	FB042325	2-Methylpentane	mohammad	4/26/2025 2:19:22 AM	Peak Integrated by Software incorrectly
100 GRO STD		FB031642.D	FB042325	2-Methylpentane	mohammad	4/26/2025 2:19:22 AM	Peak Integrated by Software incorrectly
FB042325GROICV		FB031643.D	FB042325	2-Methylpentane	mohammad	4/26/2025 2:19:22 AM	Peak Integrated by Software incorrectly

Manual Integration Report

Sample ID	ClientID	File ID	Sequence ID	Parameter	Supervised By	Supervised On	Reason
Q1872-15		FB031657.D	FB042925	2,2,4-Trimethylpentane	mohammad	5/2/2025 3:01:29 AM	Peak Integrated by Software incorrectly
Q1872-15		FB031657.D	FB042925	2-Methylpentane	mohammad	5/2/2025 3:01:29 AM	Peak Integrated by Software incorrectly
Q1872-15		FB031657.D	FB042925	AAA-TFT	mohammad	5/2/2025 3:01:29 AM	Peak Integrated by Software incorrectly
Q1872-15		FB031657.D	FB042925	Benzene	mohammad	5/2/2025 3:01:29 AM	Peak Integrated by Software incorrectly
Q1872-15		FB031657.D	FB042925	Ethylbenzene	mohammad	5/2/2025 3:01:29 AM	Peak Integrated by Software incorrectly
Q1872-15		FB031657.D	FB042925	m-Xylene	mohammad	5/2/2025 3:01:29 AM	Peak Integrated by Software incorrectly
Q1872-15		FB031657.D	FB042925	n-Heptane	mohammad	5/2/2025 3:01:29 AM	Peak Integrated by Software incorrectly
Q1872-15		FB031657.D	FB042925	Toluene	mohammad	5/2/2025 3:01:29 AM	Peak Integrated by Software incorrectly
20 PPB GRO STD		FB031666.D	FB042925	2-Methylpentane	mohammad	5/2/2025 3:01:33 AM	Peak Integrated by Software incorrectly

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QC Batch ID # FB042325

Review By	yogesh	Review On	4/23/2025 1:56:12 PM
Supervise By	mohammad	Supervise On	4/26/2025 2:19:22 AM
SubDirectory	FB042325	HP Acquire Method	HP Processing Method FB042325
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24110,PP24485,PP24486,PP24487,PP24488,PP24489		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24111,PP24490		

Sr#	SampleID	Data File Name	Date-Time	Operator	Status
1	5 GRO STD	FB031638.D	23 Apr 2025 12:11	YP/AJ	Ok
2	10 GRO STD	FB031639.D	23 Apr 2025 12:38	YP/AJ	Ok
3	20 GRO STD	FB031640.D	23 Apr 2025 13:05	YP/AJ	Ok
4	50 GRO STD	FB031641.D	23 Apr 2025 13:32	YP/AJ	Ok,M
5	100 GRO STD	FB031642.D	23 Apr 2025 14:00	YP/AJ	Ok,M
6	FB042325GROICV	FB031643.D	23 Apr 2025 14:39	YP/AJ	Ok,M

M : Manual Integration

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QC Batch ID # FB042925

Review By	yogesh	Review On	4/29/2025 2:40:54 PM
Supervise By	mohammad	Supervise On	5/2/2025 3:01:59 AM
SubDirectory	FB042925	HP Acquire Method	HP Processing Method FB042325
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24110,PP24485,PP24486,PP24487,PP24488,PP24489		
CCC Internal Standard/PEM	PP24494,PP24495,PP24496		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24111,PP24490		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	20 PPB GRO STD	FB031653.D	29 Apr 2025 8:43	YP/AJ	Ok
2	VBF0429S1	FB031654.D	29 Apr 2025 9:24	YP/AJ	Ok
3	VBF0429S2	FB031655.D	29 Apr 2025 9:52	YP/AJ	Ok
4	BSF0429S1	FB031656.D	29 Apr 2025 10:19	YP/AJ	Ok
5	Q1872-15	FB031657.D	29 Apr 2025 11:02	YP/AJ	Dilution
6	I.BLK	FB031658.D	29 Apr 2025 11:30	YP/AJ	Ok
7	Q1872-15	FB031659.D	29 Apr 2025 11:57	YP/AJ	Dilution
8	Q1872-15	FB031660.D	29 Apr 2025 12:24	YP/AJ	Dilution
9	Q1872-15	FB031661.D	29 Apr 2025 14:10	YP/AJ	Ok
10	BSF0429S2	FB031662.D	29 Apr 2025 15:06	YP/AJ	Ok
11	20 PPB GRO STD	FB031663.D	29 Apr 2025 15:34	YP/AJ	Ok
12	Q1907-01	FB031664.D	29 Apr 2025 16:14	YP/AJ	Ok
13	BSF0429S3	FB031665.D	29 Apr 2025 16:53	YP/AJ	Ok
14	20 PPB GRO STD	FB031666.D	29 Apr 2025 17:21	YP/AJ	Ok,M

M : Manual Integration

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QC Batch ID # FB042325

Review By	yogesh	Review On	4/23/2025 1:56:12 PM
Supervise By	mohammad	Supervise On	4/26/2025 2:19:22 AM
SubDirectory	FB042325	HP Acquire Method	HP Processing Method
			FB042325
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24110,PP24485,PP24486,PP24487,PP24488,PP24489		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24111,PP24490		

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	5 GRO STD		FB031638.D	23 Apr 2025 12:11		YP/AJ	Ok
2	10 GRO STD		FB031639.D	23 Apr 2025 12:38		YP/AJ	Ok
3	20 GRO STD		FB031640.D	23 Apr 2025 13:05		YP/AJ	Ok
4	50 GRO STD		FB031641.D	23 Apr 2025 13:32		YP/AJ	Ok,M
5	100 GRO STD		FB031642.D	23 Apr 2025 14:00		YP/AJ	Ok,M
6	FB042325GROICV		FB031643.D	23 Apr 2025 14:39		YP/AJ	Ok,M

M : Manual Integration

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QC Batch ID # FB042925

Review By	yogesh	Review On	4/29/2025 2:40:54 PM
Supervise By	mohammad	Supervise On	5/2/2025 3:01:59 AM
SubDirectory	FB042925	HP Acquire Method	HP Processing Method
			FB042325
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24110,PP24485,PP24486,PP24487,PP24488,PP24489		
CCC	PP24494,PP24495,PP24496		
Internal Standard/PEM			
ICV/I.BLK	PP24111,PP24490		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	20 PPB GRO STD		FB031653.D	29 Apr 2025 8:43		YP/AJ	Ok
2	VBF0429S1		FB031654.D	29 Apr 2025 9:24		YP/AJ	Ok
3	VBF0429S2		FB031655.D	29 Apr 2025 9:52		YP/AJ	Ok
4	BSF0429S1		FB031656.D	29 Apr 2025 10:19		YP/AJ	Ok
5	Q1872-15		FB031657.D	29 Apr 2025 11:02	need dilution	YP/AJ	Dilution
6	I.BLK		FB031658.D	29 Apr 2025 11:30		YP/AJ	Ok
7	Q1872-15		FB031659.D	29 Apr 2025 11:57	need dilution	YP/AJ	Dilution
8	Q1872-15		FB031660.D	29 Apr 2025 12:24	need dilution	YP/AJ	Dilution
9	Q1872-15		FB031661.D	29 Apr 2025 14:10		YP/AJ	Ok
10	BSF0429S2		FB031662.D	29 Apr 2025 15:06		YP/AJ	Ok
11	20 PPB GRO STD		FB031663.D	29 Apr 2025 15:34		YP/AJ	Ok
12	Q1907-01		FB031664.D	29 Apr 2025 16:14	Vial-A	YP/AJ	Ok
13	BSF0429S3		FB031665.D	29 Apr 2025 16:53		YP/AJ	Ok
14	20 PPB GRO STD		FB031666.D	29 Apr 2025 17:21		YP/AJ	Ok,M

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/25/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 04/24/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:25
Out Date: 04/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135545

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
Q1869-01	MH-F	1	1.14	10.43	11.57	10.47	89.5	
Q1869-02	MH-F-EPH	2	1.18	9.96	11.14	10.12	89.8	
Q1869-03	MH-F-VOC	3	1.16	10.28	11.44	10.4	89.9	
Q1871-01	MH-A	4	1.14	9.59	10.73	9.86	90.9	
Q1871-02	MH-A-EPH	5	1.18	9.97	11.15	10.25	91.0	
Q1871-03	MH-A-VOC	6	1.15	10.22	11.37	10.47	91.2	
Q1871-05	MH-B	7	1.18	10.31	11.49	10.58	91.2	
Q1871-06	MH-B-EPH	8	1.16	9.63	10.79	10.05	92.3	
Q1871-07	MH-B-VOC	9	1.18	10.35	11.53	10.75	92.5	
Q1872-01	HW0425-PT-AN-SOIL	31	1.00	1.00	2.00	2.00	100.0	
Q1872-02	HW0425-PT-CORR-SOIL	32	1.00	1.00	2.00	2.00	100.0	
Q1872-03	HW0425-PT-CN-SOIL	33	1.00	1.00	2.00	2.00	100.0	
Q1872-04	HW0425-PT-CN-SOIL	34	1.00	1.00	2.00	2.00	100.0	
Q1872-05	HW0425-PT-FP-SOIL	35	1.00	1.00	2.00	2.00	100.0	
Q1872-06	HW0425-PT-CR6-SOIL	36	1.00	1.00	2.00	2.00	100.0	
Q1872-07	HW0425-PT-NUT-SOIL	37	1.00	1.00	2.00	2.00	100.0	
Q1872-08	HW0425-PT-NUT-SOIL	38	1.00	1.00	2.00	2.00	100.0	
Q1872-09	HW0425-PT-OGR-SOIL	39	1.00	1.00	2.00	2.00	100.0	
Q1872-10	HW0425-PT-MET-SOIL	40	1.00	1.00	2.00	2.00	100.0	
Q1872-11	HW0425-PT-BNA-SOIL	41	1.00	1.00	2.00	2.00	100.0	
Q1872-12	HW0425-PT-TRIAZINE-SOIL	42	1.00	1.00	2.00	2.00	100.0	
Q1872-13	HW0425-PT-PAH-SOIL	43	1.00	1.00	2.00	2.00	100.0	
Q1872-14	HW0425-PT-DIES-SOIL	44	1.00	1.00	2.00	2.00	100.0	
Q1872-15	HW0425-PT-GAS-SOIL	45	1.00	1.00	2.00	2.00	100.0	
Q1872-16	HW0425-PT-NJEPH-SOIL	46	1.00	1.00	2.00	2.00	100.0	
Q1872-17	HW0425-PT-HERB-SOIL	47	1.00	1.00	2.00	2.00	100.0	
Q1872-18	HW0425-PT-PCB-SOIL	48	1.00	1.00	2.00	2.00	100.0	
Q1872-19	HW0425-PT-PCBO-SOIL	49	1.00	1.00	2.00	2.00	100.0	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/25/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 04/24/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:25
Out Date: 04/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135545

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
Q1872-20	HW0425-PT-PEST-SOIL	50	1.00	1.00	2.00	2.00	100.0	
Q1872-21	HW0425-PT-CHLR-SOIL	51	1.00	1.00	2.00	2.00	100.0	
Q1872-22	HW0425-PT-TXP-SOIL	52	1.00	1.00	2.00	2.00	100.0	
Q1872-23	HW0425-PT-VOA-SOIL	53	1.00	1.00	2.00	2.00	100.0	
Q1872-25	HW0425-PT-NO2-SOIL	54	1.00	1.00	2.00	2.00	100.0	
Q1873-01	CAM-40619	10	1.14	10.70	11.84	4.97	35.8	
Q1873-02	CAM-40620	11	1.15	10.42	11.57	6.19	48.4	
Q1873-03	CAM-40619-20	12	1.18	10.21	11.39	4.77	35.2	
Q1874-01	VNJ-236	13	1.19	10.45	11.64	10.89	92.8	
Q1874-03	RT1491	14	1.19	11.16	12.35	11.43	91.8	
Q1874-05	HT3727	15	1.16	10.63	11.79	11.06	93.1	
Q1875-01	AUD-25-0053	16	1.14	10.75	11.89	11.19	93.5	
Q1875-03	AUD-25-0054	17	1.14	10.02	11.16	10.52	93.6	
Q1875-04	AUD-25-0024	18	1.14	10.03	11.17	10.77	96.0	
Q1876-01	AUD-25-0058	19	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1876-02	AUD-25-0059	20	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1876-03	AUD-25-0060	21	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1876-04	AUD-25-0061	22	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1876-05	AUD-25-0062	23	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1876-06	AUD-25-0063	24	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1876-07	AUD-25-0064	25	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1876-08	AUD-25-0065	26	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1876-09	AUD-25-0066	27	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1877-01	AU-6-042425	55	1.14	10.25	11.39	10.72	93.5	
Q1877-02	AU-6-042425	28	1.14	10.21	11.35	10.54	92.1	
Q1878-01	TR-4-042425	29	1.14	10.17	11.31	11.2	98.9	
Q1878-02	TR-4-042425-E2	30	1.19	10.28	11.47	10.92	94.6	

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

WORKLIST(Hardcopy Internal Chain)

UR 135545

WorkList Name : %1-042425

WorkList ID : 189122

Department : Wet-Chemistry

Date : 04-24-2025 08:52:24

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1869-01	MH-F	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1869-02	MH-F-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1869-03	MH-F-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1871-01	MH-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1871-02	MH-A-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1871-03	MH-A-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1871-05	MH-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1871-06	MH-B-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1871-07	MH-B-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1872-01	HW0425-PT-AN-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-02	HW0425-PT-CORR-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-03	HW0425-PT-CN-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-04	HW0425-PT-CN-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-05	HW0425-PT-FP-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-06	HW0425-PT-CR6-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-07	HW0425-PT-NUT-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-08	HW0425-PT-NUT-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-09	HW0425-PT-OGR-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-10	HW0425-PT-MET-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-11	HW0425-PT-BNA-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-12	HW0425-PT-TRIAZINE-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO

Date/Time 04/24/25 15430
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

Date/Time 04/24/25
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

135545

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-042425 WorkList ID : 189122 Department : Wet-Chemistry Date : 04-24-2025 08:52:24

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1872-13	HW0425-PT-PAH-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-14	HW0425-PT-DIES-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-15	HW0425-PT-GAS-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-16	HW0425-PT-NJEPH-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-17	HW0425-PT-HERB-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-18	HW0425-PT-PCB-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-19	HW0425-PT-PCBO-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-20	HW0425-PT-PEST-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-21	HW0425-PT-CHLR-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-22	HW0425-PT-TXP-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-23	HW0425-PT-VOA-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-25	HW0425-PT-NO2-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1873-01	CAM-40619	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1873-02	CAM-40620	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1873-03	CAM-40619-20	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1874-01	VNJ-236	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/24/2025	Chemtech -SO
Q1874-03	RT1491	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/24/2025	Chemtech -SO
Q1874-05	HT3727	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/24/2025	Chemtech -SO
Q1875-01	AUD-25-0053	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1875-03	AUD-25-0054	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1875-04	AUD-25-0024	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO

Date/Time 04/24/25 15:30
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

27 135545

WorkList Name : %1-042425 WorkList ID : 189122 Department : Wet-Chemistry Date : 04-24-2025 08:52:24

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1876-01	AUD-25-0058	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/24/2025	Chemtech -SO
Q1876-02	AUD-25-0059	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/24/2025	Chemtech -SO
Q1876-03	AUD-25-0060	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/24/2025	Chemtech -SO
Q1876-04	AUD-25-0061	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/24/2025	Chemtech -SO
Q1876-05	AUD-25-0062	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/24/2025	Chemtech -SO
Q1876-06	AUD-25-0063	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/24/2025	Chemtech -SO
Q1876-07	AUD-25-0064	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/24/2025	Chemtech -SO
Q1876-08	AUD-25-0065	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/24/2025	Chemtech -SO
Q1876-09	AUD-25-0066	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/24/2025	Chemtech -SO
Q1877-01	AU-6-042425	Solid	Percent Solids	Cool 4 deg C	PSEG05	L41	04/24/2025	Chemtech -SO
Q1877-02	AU-6-042425	Solid	Percent Solids	Cool 4 deg C	PSEG05	L41	04/24/2025	Chemtech -SO
Q1878-01	TR-4-042425	Solid	Percent Solids	Cool 4 deg C	PSEG05	L41	04/24/2025	Chemtech -SO
Q1878-02	TR-4-042425-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	L41	04/24/2025	Chemtech -SO

Date/Time 04/24/25 15:30

Raw Sample Received by: 280001

Raw Sample Relinquished by: 280001

Date/Time 04/24/25

Raw Sample Received by: 280001

Raw Sample Relinquished by: 280001

17:25

28 17:35

280001

280001



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/29/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 04/28/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:37
Out Date: 04/29/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135575

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
Q1872-24	HW0425-PT-SOL-SOIL	8	0.92	10.30	11.22	8.82	76.7	
Q1901-01	B-170-SB00	1	1.14	5.55	6.69	6.28	92.6	
Q1901-02	B-167-SB01	2	1.14	10.22	11.36	9.58	82.6	
Q1901-03	B-170-SB01	3	1.19	10.31	11.5	9.75	83.0	
Q1901-04	B-167-SB02	4	1.15	9.78	10.93	6.35	53.2	
Q1901-05	B-170-SB02	5	1.14	10.16	11.3	8.77	75.1	
Q1902-01	343	6	1.19	10.23	11.42	10.7	93.0	
Q1902-02	343	7	1.13	10.19	11.32	10.33	90.3	
Q1903-01	COMP-4	9	1.18	11.14	12.32	10.46	83.3	
Q1903-02	COMP-5	10	1.16	10.50	11.66	9.44	78.9	
Q1903-03	COMP-6	11	1.17	10.60	11.77	10.06	83.9	
Q1904-01	VNJ-210	12	1.19	10.39	11.58	10.6	90.6	
Q1905-01	MH-G	13	1.15	10.35	11.5	10.38	89.2	
Q1905-02	MH-G-EPH	14	1.16	9.65	10.81	9.71	88.6	
Q1905-03	MH-G-VOC	15	1.16	10.33	11.49	10.36	89.1	
Q1905-05	MH-H	16	1.12	10.03	11.15	10.5	93.5	
Q1905-06	MH-H-EPH	17	1.13	10.30	11.43	10.5	91.0	
Q1905-07	MH-H-VOC	18	1.12	10.03	11.15	10.01	88.6	
Q1906-01	WC-4	19	1.15	9.85	11.00	10.14	91.3	
Q1906-02	WC-4-EPH	20	1.16	9.97	11.13	10.17	90.4	
Q1906-03	WC-4-VOC	21	1.18	9.99	11.17	9.91	87.4	
Q1906-05	WC-5	22	1.16	10.82	11.98	10.19	83.5	
Q1906-06	WC-5-EPH	23	1.13	10.41	11.54	9.94	84.6	
Q1906-07	WC-5-VOC	24	1.18	10.47	11.65	11.63	99.8	
Q1906-09	WC-6	25	1.14	10.04	11.18	10.4	92.2	
Q1906-10	WC-6-EPH	26	1.15	10.77	11.92	10.23	84.3	
Q1906-11	WC-6-VOC	27	1.14	10.47	11.61	10.86	92.8	
Q1906-13	WC-7	28	1.14	10.85	11.99	10.31	84.5	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/29/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 04/28/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:37
Out Date: 04/29/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135575

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
Q1906-14	WC-7-EPH	29	1.12	9.86	10.98	9.7	87.0	
Q1906-15	WC-7-VOC	30	1.13	10.27	11.4	10.23	88.6	
Q1907-01	CO-8R-WC	31	1.13	10.26	11.39	9.81	84.6	

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

WORKLIST(Hardcopy Internal Chain)

135545

WorkList Name : %1-042825

WorkList ID : 189159

Department : Wet-Chemistry

Date : 04-28-2025 07:59:12

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1872-24	HW0425-PT-SOL-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1903-01	COMP-4	Solid	Percent Solids	Cool 4 deg C	POWE02	L51	04/25/2025	Chemtech -SO
Q1903-02	COMP-5	Solid	Percent Solids	Cool 4 deg C	POWE02	L51	04/25/2025	Chemtech -SO
Q1903-03	COMP-6	Solid	Percent Solids	Cool 4 deg C	POWE02	L51	04/25/2025	Chemtech -SO
Q1901-01	B-170-SB00	Solid	Percent Solids	Cool 4 deg C	PORT06	L51	04/26/2025	Chemtech -SO
Q1901-02	B-167-SB01	Solid	Percent Solids	Cool 4 deg C	PORT06	L51	04/26/2025	Chemtech -SO
Q1901-03	B-170-SB01	Solid	Percent Solids	Cool 4 deg C	PORT06	L51	04/26/2025	Chemtech -SO
Q1901-04	B-167-SB02	Solid	Percent Solids	Cool 4 deg C	PORT06	L51	04/26/2025	Chemtech -SO
Q1901-05	B-170-SB02	Solid	Percent Solids	Cool 4 deg C	PORT06	L51	04/26/2025	Chemtech -SO
Q1902-01	343	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1902-02	343	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1904-01	VNJ-210	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1905-01	MH-G	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/28/2025	Chemtech -SO
Q1905-02	MH-G-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/28/2025	Chemtech -SO
Q1905-03	MH-G-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/28/2025	Chemtech -SO
Q1906-13	WC-7	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-14	WC-7-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-15	WC-7-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-05	WC-5	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-06	WC-5-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-07	WC-5-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO

Date/Time 04/28/25 16:15
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

Date/Time 04/28/25 17:30
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

Handwritten signature

WorkList Name : %1-042825 WorkList ID : 189159 Department : Wet-Chemistry Date : 04-28-2025 07:59:12

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1906-09	WC-6	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-10	WC-6-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-11	WC-6-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1905-05	MH-H	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/28/2025	Chemtech -SO
Q1905-06	MH-H-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/28/2025	Chemtech -SO
Q1905-07	MH-H-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/28/2025	Chemtech -SO
Q1906-01	WC-4	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-02	WC-4-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-03	WC-4-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1907-01	CO-8R-WC	Solid	Percent Solids	Cool 4 deg C	WALS01	L51	04/28/2025	Chemtech -SO

Date/Time 04/28/25 16:15
 Raw Sample Received by: *Handwritten signature*
 Raw Sample Relinquished by: *Handwritten signature*

Date/Time 04/28/25 17:30
 Raw Sample Received by: *Handwritten signature*
 Raw Sample Relinquished by: *Handwritten signature*

Prep Standard - Chemical Standard Summary

Order ID : Q1872

Test : Gasoline Range Organics

Prepbatch ID :

Sequence ID/Qc Batch ID: FB042925,

Standard ID :

PP24110,PP24111,PP24112,PP24485,PP24486,PP24487,PP24488,PP24489,PP24490,PP24494,PP24495,PP24496,

Chemical ID :

P11119,P9831,V14543,V14624,W3112,

Pest/Pcb STANDARD PREPARATION LOG

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

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

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

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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3619	25 PPM AAA-TFT Surg	PP24112	01/15/2025	07/13/2025	Yogesh Patel	None	None	Ankita Jodhani
								01/15/2025

FROM 0.10000ml of V14543 + 9.90000ml of V14624 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
238	5 PPB ICC GRO STD	PP24485	04/23/2025	07/13/2025	Yogesh Patel	None	None	Abdul Mirza
								05/08/2025

FROM 5.00000ml of W3112 + 0.00100ml of PP24112 + 0.00250ml of PP24110 = Final Quantity: 5.004 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
237	10 PPB ICC GRO STD	PP24486	04/23/2025	07/13/2025	Yogesh Patel	None	None	Abdul Mirza
								05/08/2025

FROM 5.00000ml of W3112 + 0.00200ml of PP24112 + 0.00500ml of PP24110 = Final Quantity: 5.007 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
239	20 PPB ICC GRO STD	PP24487	04/23/2025	07/13/2025	Yogesh Patel	None	None	Abdul Mirza
								05/08/2025

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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
235	50 PPB ICC GRO STD	PP24488	04/23/2025	07/13/2025	Yogesh Patel	None	None	Abdul Mirza
								05/08/2025

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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
234	100 PPB ICC GRO STD	PP24489	04/23/2025	07/13/2025	Yogesh Patel	None	None	Abdul Mirza
								05/08/2025

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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
240	20 PPB ICV GRO STD	PP24490	04/23/2025	07/13/2025	Yogesh Patel	None	None	Abdul Mirza
								05/08/2025

FROM 5.00000ml of W3112 + 0.00400ml of PP24112 + 0.01000ml of PP24111 = Final Quantity: 5.014 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
241	20 PPB CCC GRO STD	PP24494	04/29/2025	07/13/2025	Yogesh Patel	None	None	Abdul Mirza
								05/08/2025

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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
241	20 PPB CCC GRO STD	PP24495	04/29/2025	07/13/2025	Yogesh Patel	None	None	Abdul Mirza
								05/08/2025

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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
241	20 PPB CCC GRO STD	PP24496	04/29/2025	07/13/2025	Yogesh Patel	None	None	Abdul Mirza
								05/08/2025

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

CHEMICAL RECEIPT LOG BOOK

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

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

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

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

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

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: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

1st source

DP

P9817

To

10

P9826

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

Description : Gasoline Range Organics Mix (EPA)

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

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

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

CERTIFIED VALUES

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

8	o-Xylene		1,008.0 µg/mL	+/- 5.9872	µg/mL	Gravimetric
	CAS # 95-47-6	(Lot SHBK7739)		+/- 56.5308	µg/mL	Unstressed
	Purity 99%			+/- 57.8530	µg/mL	Stressed
9	1,2,4-Trimethylbenzene		1,004.5 µg/mL	+/- 5.9664	µg/mL	Gravimetric
	CAS # 95-63-6	(Lot MKBJ6229V)		+/- 56.3345	µg/mL	Unstressed
	Purity 98%			+/- 57.6521	µg/mL	Stressed
Solvent: P&T Methanol						
	CAS # 67-56-1					
	Purity 99%					

Column:
105m x 0.53mm x 3.0µm
Rtx-S02.2 (cat.#10910)

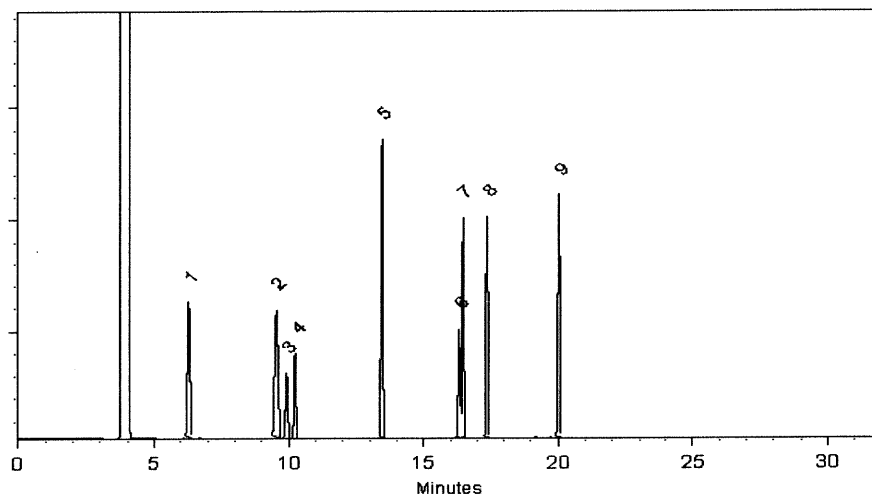
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



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

Miranda Kline
Miranda Kline - Operations Technician I

Date Mixed: 19-Dec-2019

Balance: 1127510105

Feng-Yun Lo
Feng-Yun Lo - QC Analyst

Date Passed: 23-Dec-2019

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



SHIPPING DOCUMENTS



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Certified Reference Materials

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Company

6390 Joyce Dr., #100
Golden, CO 80403

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www.phenova.com

Received by: SJ
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www.phenova.com/home/termsforsale

Packing List

Date	Order #
04/21/2025	333293



Ship To

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

Customer PO #	Terms	PT Acct #	Customer #	Ship Via	F.O.B.
PO2-1668	Net 30	ZCM-100	1500470	FedEx Collect 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	HW0425	7100-04
1	1	0	PT-CR6-SOIL	SOIL/HW Hexavalent Chromium	HW0425	7100-05B
1	1	0	PT-CN-SOIL	SOIL/HW Cyanide	HW0425	7100-06
1	1	0	PT-CORR-SOIL	SOIL/HW Corrosivity/pH	HW0425	7100-11
1	1	0	PT-FP-SOIL	SOIL/HW Flash Point	HW0425	7100-10
1	1	0	PT-AN-SOIL	SOIL/HW Anions	HW0425	7100-08
1	1	0	PT-NUT-SOIL	SOIL/HW Nutrients	HW0425	7100-09B
1	1	0	PT-SOL-SOIL	SOIL/HW Solids	HW0425	7100-31
1	1	0	PT-NO2-SOIL	SOIL/HW Nitrite as N	HW0425	7100-71
1	1	0	PT-GAS-SOIL	SOIL/HW Gasoline	HW0425	7100-96
1	1	0	PT-OGR-SOIL	SOIL/HW Oil and Grease	HW0425	7100-94
1	1	0	PT-VOA-SOIL	SOIL/HW Volatiles	HW0425	7100-12
1	1	0	PT-BNA-SOIL	SOIL/HW BNAs	HW0425	7100-13
1	1	0	PT-PEST-SOIL	SOIL/HW Pesticides	HW0425	7100-14
1	1	0	PT-CHLR-SOIL	SOIL/HW Chlordane	HW0425	7100-15
1	1	0	PT-TXP-SOIL	SOIL/HW Toxaphene	HW0425	7100-16
1	1	0	PT-PCB-SOIL	SOIL/HW PCBs	HW0425	7100-17
1	1	0	PT-PCBO-SOIL	SOIL/HW PCBs in Oil	HW0425	7100-88
1	1	0	PT-HERB-SOIL	SOIL/HW Herbicides	HW0425	7100-18
1	1	0	PT-PAH-SOIL	SOIL/HW PAHs	HW0425	7100-22
1	1	0	PT-TRIAZINE-SOIL	SOIL/HW Triazine Pesticides	HW0425	7100-106
1	1	0	PT-NJEPH-SOIL	NJ EPH in SOIL	HW0425	7100-105



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Ship To

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

Received by: SJ

4/28/2025 9:40

Customer PO #	Terms	PT Acct #	Customer #	Ship Via	F.O.B.
CPR	Net 30	ZCM-100	1500470	FedEx Next Day	Golden, CO

Qty Ordered	Qty Shipped	Qty Backorder	Part Number	Part Description	Study Number	Lot Number
1	1	0	PT-DIES-SOIL	SOIL/HW Diesel in Soil	HW0425	7100-100

Laboratory Certification

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