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

DATA PACKAGE

GC SEMI-VOLATILES

PROJECT NAME : NJ SOIL PT

CHEMTECH CONSULTING GROUP

284 Sheffield St,

Mountainside, NJ - 07092

Phone No: 908-789-8900

ORDER ID : P4495

ATTENTION : QA Officer

Laboratory Certification ID # 20012

Table Of Contents for P4495

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Cover Page

Order ID : P4495

Project ID : NJ Soil PT

Client : Chemtech Consulting Group

Lab Sample Number	Client Sample Number
P4495-01	PT-AN-SOIL
P4495-02	PT-CORR-SOIL
P4495-03	PT-CN-SOIL
P4495-04	PT-CN-SOIL
P4495-05	PT-FP-SOIL
P4495-06	PT-CR6-SOIL
P4495-07	PT-NUT-SOIL
P4495-08	PT-NUT-SOIL
P4495-09	PT-OGR-SOIL
P4495-10	PT-MET-SOIL
P4495-11	PT-BNA-SOIL
P4495-12	PT-TRIAZINE-SOIL
P4495-13	PT-PAH-SOIL
P4495-14	PT-DIES-SOIL
P4495-15	PT-GAS-SOIL
P4495-16	PT-NJEPH-SOIL
P4495-17	PT-HERB-SOIL
P4495-18	PT-PCB-SOIL
P4495-19	PT-PCBO-SOIL
P4495-20	PT-PEST-SOIL
P4495-21	PT-CHLR-SOIL
P4495-22	PT-TXP-SOIL
P4495-23	PT-VOA-SOIL
P4495-24	PT-SOL-SOIL
P4495-25	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: 12/2/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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Phone: 908 789 8900 Fax: 908 789 8922

CASE NARRATIVE

Chemtech Consulting Group
Project Name: NJ Soil PT
Project # N/A
Chemtech Project # P4495
Test Name: Gasoline Range Organics

A. Number of Samples and Date of Receipt:
25 Solid samples were received on 10/23/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Ammonia, Anions Group1, Anions Group2, Corrosivity, Cyanide, Diesel Range Organics, EPH, Flash Point, Gasoline Range Organics, Herbicide Group1, Hexavalent Chromium, Mercury, Metals Group3, Metals ICP-Group1, Nitrite, Oil and Grease, PCB, PESTICIDE Group1, PESTICIDE Group2, PESTICIDE Group3, Phosphorus, Total, SVOCMS Group1, SVOCMS Group2, SVOCMS Group3, SVOCMS Group4, TKN, TOC, TS and VOCMS Group1. This data package contains results for Gasoline Range Organics.

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

D. QA/ QC Samples:
The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for PT-GAS-SOIL [Alpha,Alpha andAlpha-Trifluorotoluene - 215%]but this sample was required dilution as well due to high concentration, therefore no further corrective action taken.

The Retention Times were acceptable for all samples.
The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank Spike Duplicate met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .

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

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E. Additional Comments:

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

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_____

284 Sheffield Street, Mountainside NJ 07092 Tel.
908-789-8900 Fax: 908-789-8922

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 is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: P4495 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 Blank Spike met requirements for all samples . The Blank Spike Duplicate met requirements for all samples .			✓
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 met the acceptable criteria except for PT-GAS-SOIL [Alpha,Alpha andAlpha-Trifluorotoluene - 215%]but this sample was required dilution as well due to high concentration, therefore no further corrective action taken.		✓	
6.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range. The Blank Spike met requirements for all samples . The Blank Spike Duplicate met requirements for all samples . The RPD met criteria .			✓
7.	Retention Time Shift Meet Criteria (if applicable) Comments:			✓
8.	Extraction Holding Time Met If not met, list number of days exceeded for each sample:		✓	

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

_____ _____

QA REVIEW Date

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: P4495

	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 Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: SOHIL JODHANI **Date:** 12/02/2024

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LAB CHRONICLE

OrderID:	P4495	**OrderDate:**	10/23/2024 10:29:00 AM
Client:	Chemtech Consulting Group	**Project:**	NJ Soil PT
Contact:	QA Officer	**Location:**	QA Office,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4495-14	**PT-DIES-SOIL**	**SOIL**			**10/21/24**			**10/23/24**
			Diesel Range Organics	8015D		10/24/24	10/24/24	
P4495-15	**PT-GAS-SOIL**	**SOIL**			**10/21/24**			**10/23/24**
			Gasoline Range Organics	8015D			10/24/24	
P4495-16	**PT-NJEPH-SOIL**	**Solid**			**10/21/24**			**10/23/24**
			EPH	NJEPH		10/25/24	10/28/24	
			EPH	NJEPH		10/25/24	10/29/24	
			EPH	NJEPH		10/25/24	10/28/24	
P4495-16DL2	**PT-NJEPH-SOILDL2**	**Solid**			**10/21/24**			**10/23/24**
			EPH	NJEPH		10/25/24	10/28/24	
P4495-17	**PT-HERB-SOIL**	**SOIL**			**10/21/24**			**10/23/24**
			Herbicide Group1	8151A		11/14/24	11/25/24	
P4495-17RE	**PT-HERB-SOILRE**	**SOIL**			**10/21/24**			**10/23/24**
			Herbicide Group1	8151A		11/14/24	11/25/24	
P4495-18	**PT-PCB-SOIL**	**SOIL**			**10/21/24**			**10/23/24**
			PCB	8082A		10/25/24	10/25/24	
P4495-18DL	**PT-PCB-SOIL DL**	**SOIL**			**10/21/24**			**10/23/24**
			PCB	8082A		10/25/24	10/25/24	
P4495-19	**PT-PCBO-SOIL**	**SOIL**			**10/21/24**			**10/23/24**
			PCB	8082A		10/25/24	10/28/24	
P4495-19DL	**PT-PCBO-SOILDL**	**SOIL**			**10/21/24**			**10/23/24**

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LAB CHRONICLE

			PCB	8082A		10/25/24	10/28/24	
P4495-20	**PT-PEST-SOIL**	**SOIL**			**10/21/24**			**10/23/24**
			PESTICIDE Group1	8081B		10/25/24	11/04/24	
P4495-20DL	**PT-PEST-SOILDL**	**SOIL**			**10/21/24**			**10/23/24**
			PESTICIDE Group1	8081B		10/25/24	11/04/24	
P4495-20DL2	**PT-PEST-SOILDL2**	**SOIL**			**10/21/24**			**10/23/24**
			PESTICIDE Group1	8081B		10/25/24	11/04/24	
P4495-21	**PT-CHLR-SOIL**	**SOIL**			**10/21/24**			**10/23/24**
			PESTICIDE Group2	8081B		10/25/24	10/31/24	
P4495-22	**PT-TXP-SOIL**	**SOIL**			**10/21/24**			**10/23/24**
			PESTICIDE Group3	8081B		10/25/24	10/31/24	
P4495-22DL	**PT-TXP-SOILDL**	**SOIL**			**10/21/24**			**10/23/24**
			PESTICIDE Group3	8081B		10/25/24	10/31/24	

QC SUMMARY

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SOIL GASOLINE RANGE ORGANICS SURROGATE RECOVERY

Lab Name: Chemtech Client: Chemtech Consulting Group

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG No.: P4495

EPA SAMPLE NO.	S1 AAA-TFT	S2	S3	S4	TOT OUT
VBF1024S2	91				0
BSF1024S1	89				0
PT-GAS-SOIL	215 *				1
BSF1024S2	84				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 DUPLICAT

Lab Name: Chemtech **Client:** Chemtech Consulting Group

Lab Code: CHEM **Cas No:** P4495 **SAS No :** P4495 **SDG No:** P4495

Matrix Spike - EPA Sample No : BSF1024S1 **Datafile:** FB031014.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS
GRO	180	0	165	92	50-150

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

Lab Name: Chemtech **Client:** Chemtech Consulting Group

Lab Code: CHEM **Cas No:** P4495 **SAS No :** P4495 **SDG No:** P4495

Matrix Spike - EPA Sample No : BSF1024S2 **Datafile:** FB031021.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS
GRO	180	0	170	94	50-150

LCS/LCSD % Recovery RPD : 2.9

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METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBF1024S2

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

Lab File ID: FB031013.D Lab Sample ID: VBF1024S2

Date Analyzed: 10/24/24 Time Analyzed: 10:00

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
BSF1024S1	BSF1024S1	FB031014.D	10/24/24
PT-GAS-SOIL	P4495-15	FB031019.D	10/24/24
BSF1024S2	BSF1024S2	FB031021.D	10/24/24

COMMENTS:

SAMPLE DATA

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/21/24
Project:	NJ Soil PT	Date Received:	10/23/24
Client Sample ID:	PT-GAS-SOIL	SDG No.:	P4495
Lab Sample ID:	P4495-15	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
FB031019.D	1000	10/24/24 12:53	FB102424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	798000		7720	45000	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	43.1	*	50 - 150	215%	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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB102424\
Data File : FB031019.D
Signal(s) : FID2B.CH
Acq On : 24 Oct 2024 12:53
Operator : YP/AJ
Sample : P4495-15 1000X
Misc : 5.00G/5.00 ML MEOH
ALS Vial : 9 Sample Multiplier: 1

Integration File: Calibration.e
Quant Time: Oct 25 04:02:13 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB100424.M
Quant Title :
QLast Update : Fri Oct 04 11:53:51 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_B
ClientSampleId :
PT-GAS-SOIL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/25/2024
Supervised By :Ankita Jodhani 10/25/2024

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
5) s	AAA-TFT	8.819	1291028	43.067 ng/ml
	Target Compounds			
1) t	2-Methylpentane	4.725	593357	16.443 ng/mlm
2) t	2,2,4-Trimethylpentane	7.420	2001425	42.000 ng/ml
3) t	n-Heptane	7.756	1413189	31.331 ng/ml
4) t	Benzene	7.894	482552	8.779 ng/ml
6) t	Toluene	10.625	5156626	95.458 ng/ml
7) t	Ethylbenzene	13.061	1404394	29.628 ng/ml
8) t	m-Xylene	13.193	4765287	91.344 ng/ml
9) t	O-Xylene	13.923	1819805	37.410 ng/ml
10) t	1,2,4-Trimethylbenzene	16.198	2275139	69.431 ng/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB102424\
Data File : FB031019.D
Signal(s) : FID2B.CH
Acq On : 24 Oct 2024 12:53
Operator : YP/AJ
Sample : P4495-15 1000X
Misc : 5.00G/5.00 ML MEOH
ALS Vial : 9 Sample Multiplier: 1

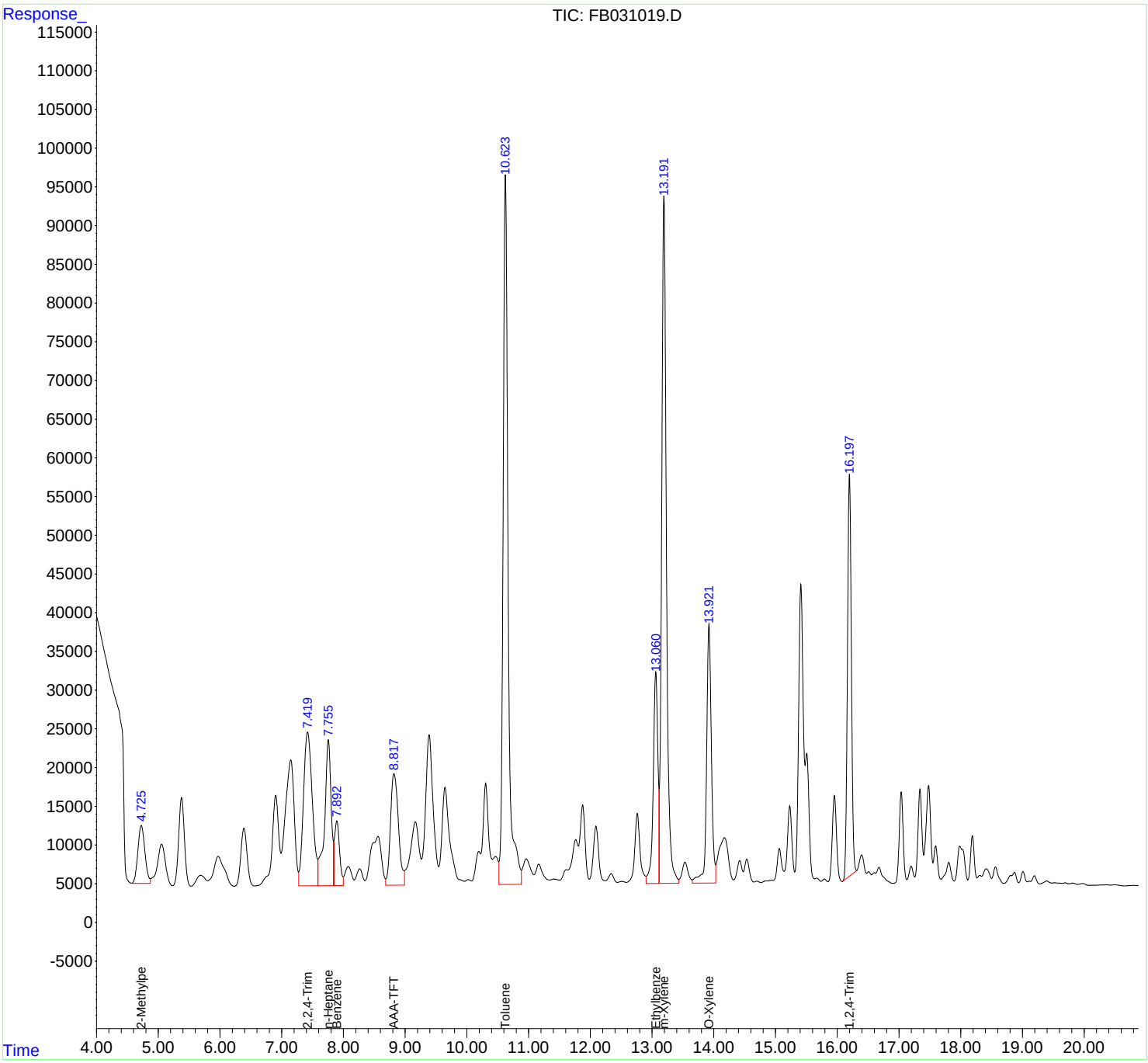
Integration File: Calibration.e
Quant Time: Oct 25 04:02:13 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB100424.M
Quant Title :
QLast Update : Fri Oct 04 11:53:51 2024
Response via : Initial Calibration
Integrator: ChemStation

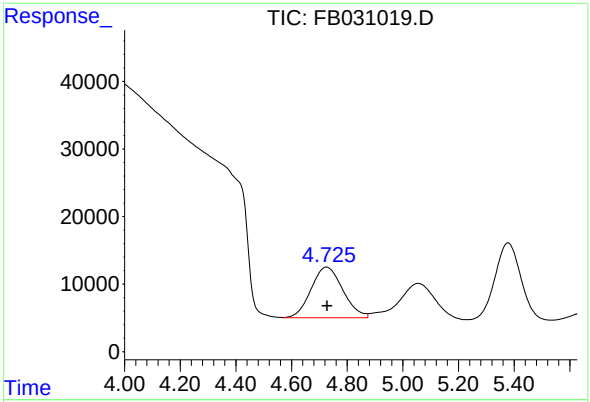
Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um

Instrument :
FID_B
ClientSampleId :
PT-GAS-SOIL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/25/2024
Supervised By :Ankita Jodhani 10/25/2024





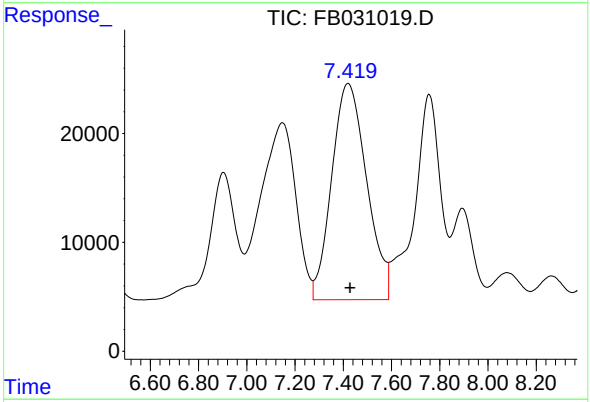
#1 2-Methylpentane

R.T.: 4.725 min
Delta R.T.: -0.003 min
Response: 593357
Conc: 16.44 ng/ml

Instrument :
FID_B
ClientSampleId :
PT-GAS-SOIL

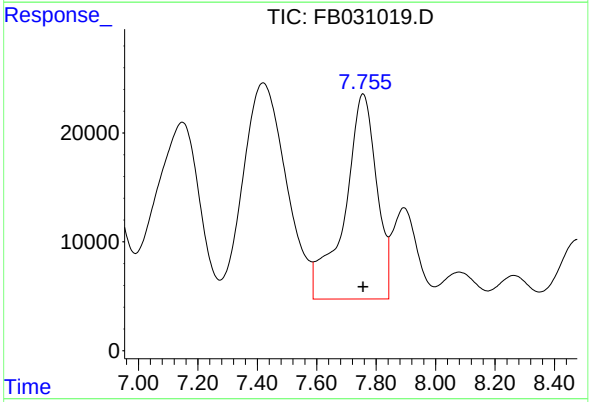
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/25/2024
Supervised By :Ankita Jodhani 10/25/2024



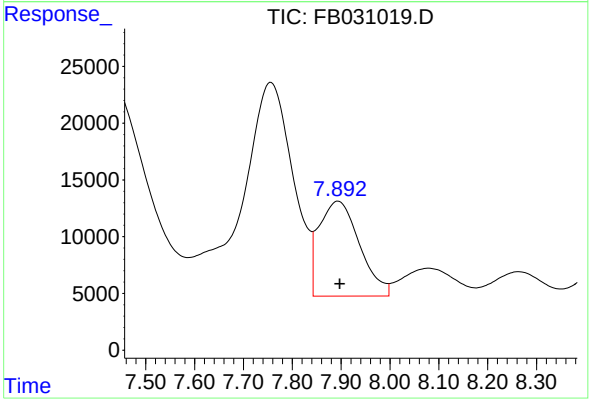
#2 2,2,4-Trimethylpentane

R.T.: 7.420 min
Delta R.T.: -0.008 min
Response: 2001425
Conc: 42.00 ng/ml



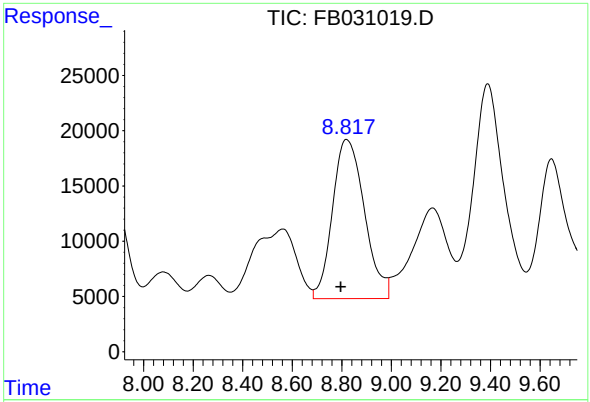
#3 n-Heptane

R.T.: 7.756 min
Delta R.T.: 0.000 min
Response: 1413189
Conc: 31.33 ng/ml



#4 Benzene

R.T.: 7.894 min
Delta R.T.: -0.004 min
Response: 482552
Conc: 8.78 ng/ml



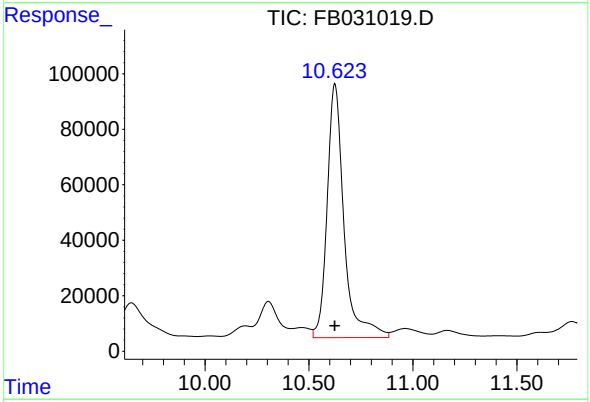
#5 AAA-TFT

R.T.: 8.819 min
Delta R.T.: 0.024 min
Response: 1291028
Conc: 43.07 ng/ml

Instrument :
FID_B
ClientSampleId :
PT-GAS-SOIL

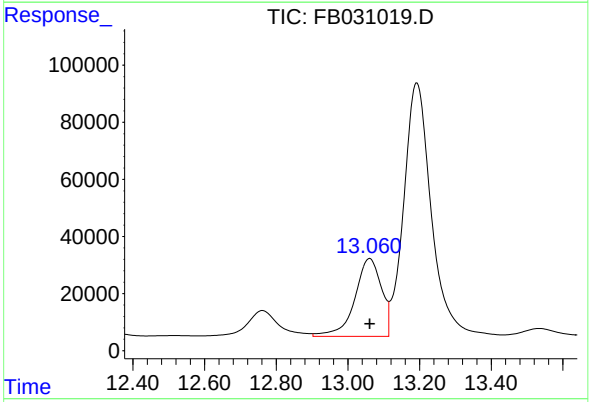
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/25/2024
Supervised By :Ankita Jodhani 10/25/2024



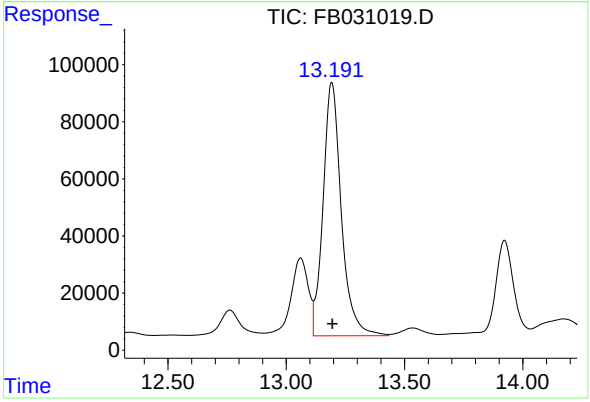
#6 Toluene

R.T.: 10.625 min
Delta R.T.: 0.000 min
Response: 5156626
Conc: 95.46 ng/ml



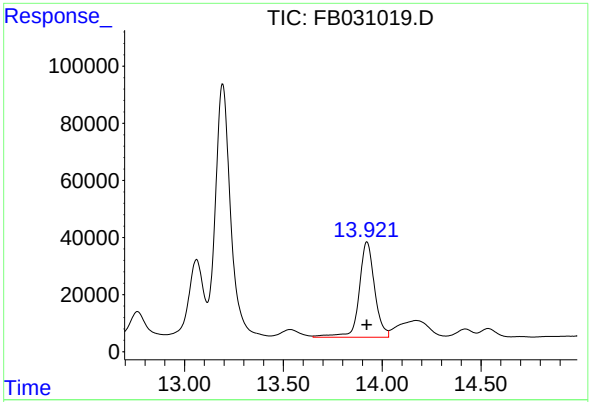
#7 Ethylbenzene

R.T.: 13.061 min
Delta R.T.: 0.000 min
Response: 1404394
Conc: 29.63 ng/ml



#8 m-Xylene

R.T.: 13.193 min
Delta R.T.: -0.002 min
Response: 4765287
Conc: 91.34 ng/ml



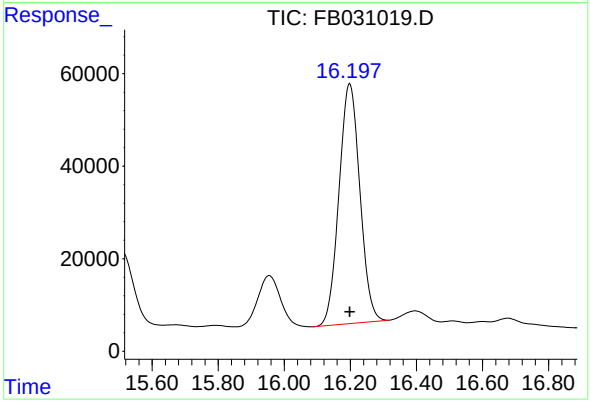
#9 O-Xylene

R.T.: 13.923 min
Delta R.T.: 0.000 min
Response: 1819805
Conc: 37.41 ng/ml

Instrument :
FID_B
ClientSampleId :
PT-GAS-SOIL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/25/2024
Supervised By :Ankita Jodhani 10/25/2024



#10 1,2,4-Trimethylbenzene

R.T.: 16.198 min
Delta R.T.: 0.000 min
Response: 2275139
Conc: 69.43 ng/ml

Instrument :
FID_B
ClientSampleId :
PT-GAS-SOIL

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/25/2024
Supervised By :Ankita Jodhani 10/25/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB10242
Data File : FB031019.D
Signal(s) : FID2B.CH
Acq On : 24 Oct 2024 12:53
Sample : P4495-15 1000X
Misc : 5.00G/5.00 ML MEOH
ALS Vial : 9 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB100424.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	4.537	4.874	BV	7484	590256	11.45%	1.554%
2	5.688	5.535	5.809	PV	1409	142906	2.77%	0.376%
3	5.971	5.809	6.235	VV	3872	464005	9.00%	1.221%
4	6.389	6.235	6.574	PV	7500	522338	10.13%	1.375%
5	7.148	6.990	7.275	VV	16281	1642127	31.84%	4.322%
6	7.420	7.275	7.588	VV	19870	2002267	38.83%	5.270%
7	7.756	7.588	7.843	VV	18843	1412179	27.39%	3.717%
8	7.894	7.843	7.998	VV	8375	482552	9.36%	1.270%
9	8.080	7.998	8.176	VV	2457	183386	3.56%	0.483%
10	8.264	8.176	8.350	VV	2132	146460	2.84%	0.385%
11	8.561	8.350	8.685	VV	6309	760838	14.75%	2.003%
12	8.820	8.685	8.989	VV	14387	1290793	25.03%	3.397%
13	9.166	8.989	9.265	VV	8183	810616	15.72%	2.134%
14	9.389	9.265	9.544	VV	19407	1663304	32.26%	4.378%
15	9.646	9.544	9.963	VV	12602	1136201	22.03%	2.990%
16	10.024	9.963	10.073	VV	648	36866	0.71%	0.097%
17	10.305	10.073	10.416	VV	13098	1078969	20.92%	2.840%
18	10.465	10.416	10.520	VV	3636	210615	4.08%	0.554%
19	10.625	10.520	10.884	VV	91522	5156626	100.00%	13.572%
20	10.963	10.884	11.087	VV	3285	288008	5.59%	0.758%
21	11.166	11.087	11.339	VV	2582	219689	4.26%	0.578%
22	11.413	11.339	11.498	VV	649	55736	1.08%	0.147%
23	11.765	11.498	11.805	VV	5730	492717	9.56%	1.297%
24	11.876	11.805	11.984	VV	10234	604243	11.72%	1.590%
25	12.092	11.984	12.257	VV	7459	463696	8.99%	1.220%
26	12.338	12.257	12.439	VV	1296	80937	1.57%	0.213%
27	12.515	12.439	12.583	VV	292	19703	0.38%	0.052%
28	12.762	12.583	12.902	VV	9062	555359	10.77%	1.462%
29	13.061	12.902	13.114	VV	27260	1404394	27.23%	3.696%
30	13.193	13.114	13.431	VV	88784	4764789	92.40%	12.541%
31	13.534	13.431	13.648	VV	2710	185791	3.60%	0.489%
32	13.923	13.648	14.033	VV	33451	1820350	35.30%	4.791%
33	14.173	14.033	14.322	VV	5854	634666	12.31%	1.670%
34	14.420	14.322	14.477	VV	2873	159765	3.10%	0.420%
35	14.536	14.477	14.653	VV	3045	164055	3.18%	0.432%
36	14.700	14.653	14.765	VV	194	8266	0.16%	0.022%

Instrument :
FID_B
ClientSampleId :
PT-GAS-SOIL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/25/2024
Supervised By :Ankita Jodhani 10/25/2024

rteres

37	15.062	14.765	15.138	PV	4376	253086	4.91%	0.666%
38	15.231	15.138	15.311	VV	9893	514623	9	
39	15.412	15.311	15.637	VV	38412	2737139	53	
40	15.669	15.637	15.736	VV	489	19997	0	
41	15.793	15.736	15.848	VV	357	13287	0	
42	15.955	15.848	16.080	VV	11108	528024	10	
43	16.198	16.080	16.316	PV	51851	2272566	44.07%	5.981%

Sum of corrected areas: 37994195

FB100424.M Fri Oct 25 06:41:58 2024

CALIBRATION SUMMARY

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

GASOLINE RANGE ORGANICS INITIAL CALIBRATION SUMMARY

Lab Name: Chemtech Contract: CHEM02

ProjectID: NJ Soil PT

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG No.: P4495

Calibration Sequence : FB100424		Test : Gasoline Range Organics	
Concentration (PPB)	**Area Count**	**Reference Factor**	**File ID**
45	2146473	47699	FB030963.D
90	4296843	47743	FB030964.D
180	7654194	42523	FB030965.D
450	20942452	46539	FB030966.D
900	40922623	45470	FB030967.D
AVG RF : 45995	**% RSD : 4.686**		**AVG RT : 8.7964**

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB100424\
Data File : FB030963.D
Signal(s) : FID2B.CH
Acq On : 4 Oct 2024 9:45
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 04 10:37:05 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB100424.M
Quant Title :
QLast Update : Fri Oct 04 10:36:54 2024
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	165874	5.429 ng/ml
	Target Compounds			
1) t	2-Methylpentane	4.729	267824	8.153 ng/ml
2) t	2,2,4-Trimethylpentane	7.426	369502	8.294 ng/ml
3) t	n-Heptane	7.758	106895	2.540 ng/ml
4) t	Benzene	7.897	135424	2.686 ng/ml
6) t	Toluene	10.623	418553	8.382 ng/ml
7) t	Ethylbenzene	13.059	123962	2.833 ng/ml
8) t	m-Xylene	13.194	273356	5.659 ng/ml
9) t	O-Xylene	13.921	260179	5.826 ng/ml
10) t	1,2,4-Trimethylbenzene	16.197	190778	6.232 ng/ml

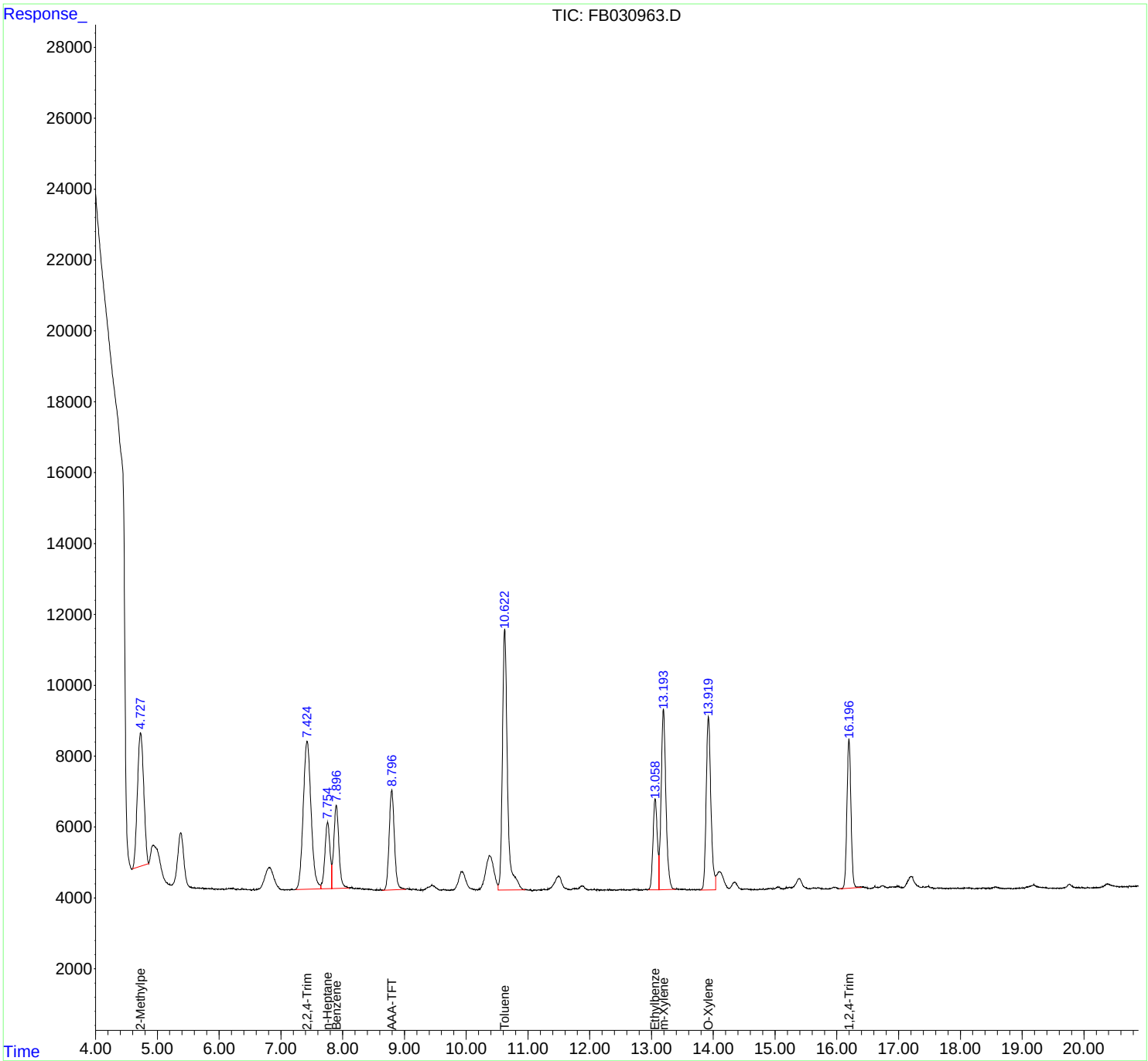
(f)=RT Delta > 1/2 Window (m)=manual int.

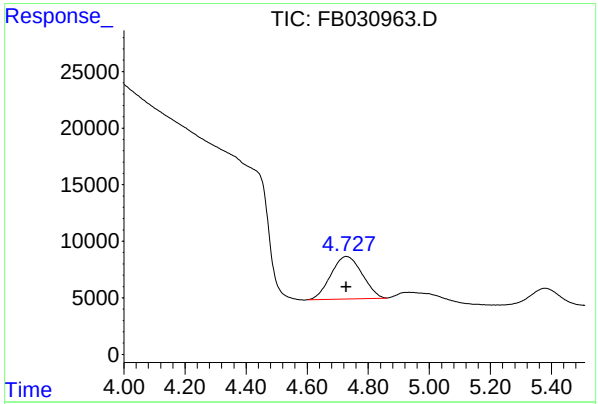
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB100424\
Data File : FB030963.D
Signal(s) : FID2B.CH
Acq On : 4 Oct 2024 9:45
Operator : YP/AJ
Sample : 5 GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
5 GRO STD

Integration File: Calibration.e
Quant Time: Oct 04 10:37:05 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB100424.M
Quant Title :
QLast Update : Fri Oct 04 10:36:54 2024
Response via : Initial Calibration
Integrator: ChemStation

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

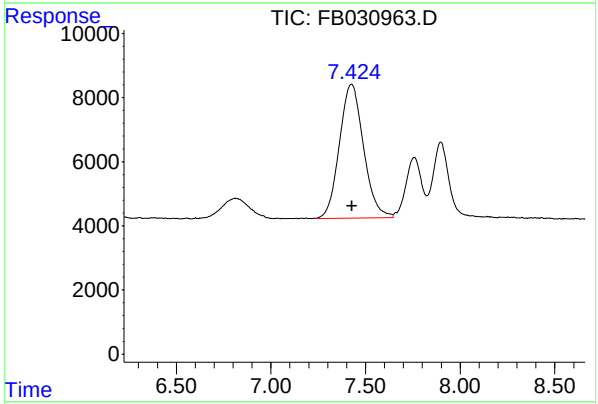




#1 2-Methylpentane

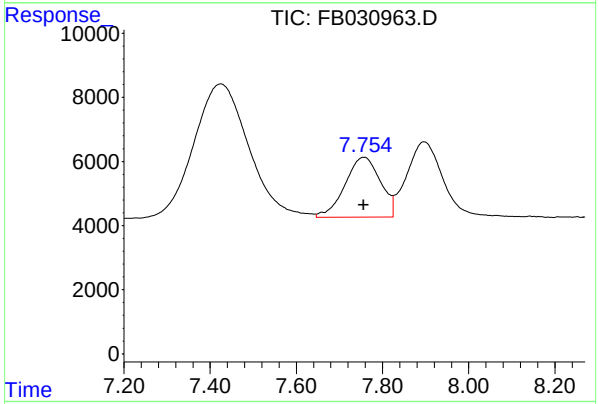
R.T.: 4.729 min
Delta R.T.: 0.001 min
Response: 267824
Conc: 8.15 ng/ml

Instrument :
FID_B
ClientSampleId :
5 GRO STD



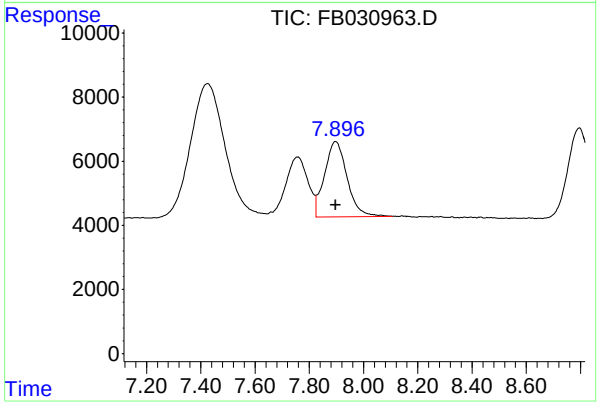
#2 2,2,4-Trimethylpentane

R.T.: 7.426 min
Delta R.T.: -0.002 min
Response: 369502
Conc: 8.29 ng/ml



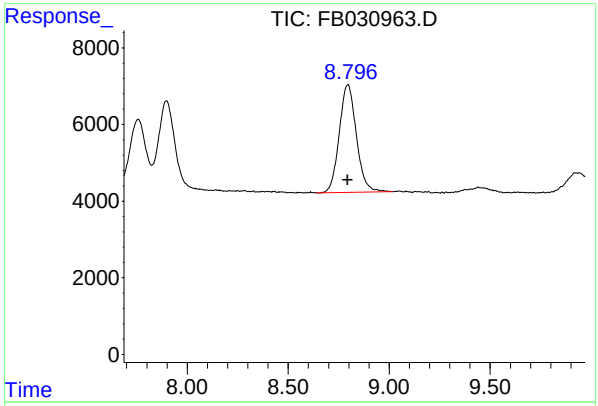
#3 n-Heptane

R.T.: 7.758 min
Delta R.T.: 0.000 min
Response: 106895
Conc: 2.54 ng/ml



#4 Benzene

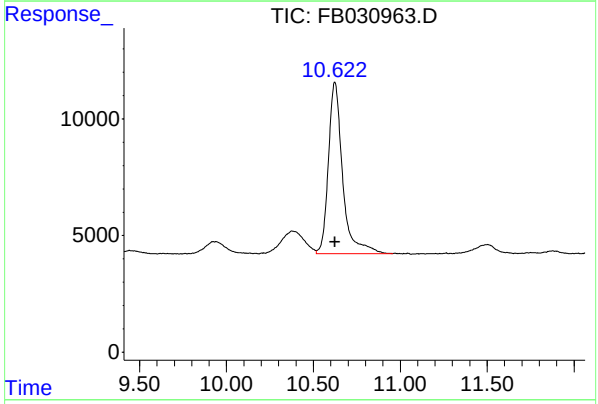
R.T.: 7.897 min
Delta R.T.: 0.000 min
Response: 135424
Conc: 2.69 ng/ml



#5 AAA-TFT

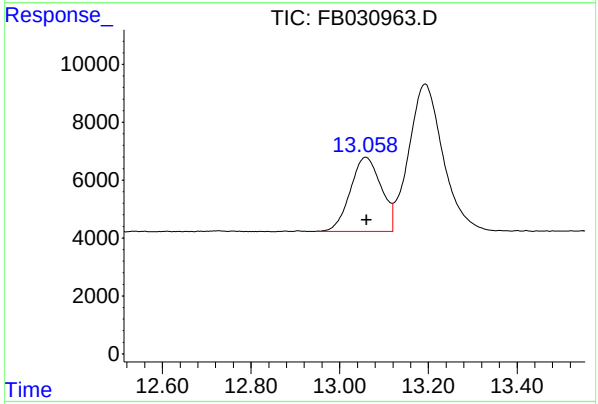
R.T.: 8.797 min
Delta R.T.: 0.002 min
Response: 165874
Conc: 5.43 ng/ml

Instrument :
FID_B
ClientSampleId :
5 GRO STD



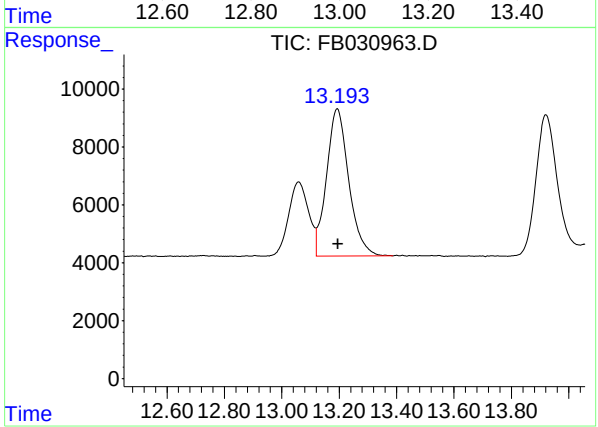
#6 Toluene

R.T.: 10.623 min
Delta R.T.: -0.001 min
Response: 418553
Conc: 8.38 ng/ml



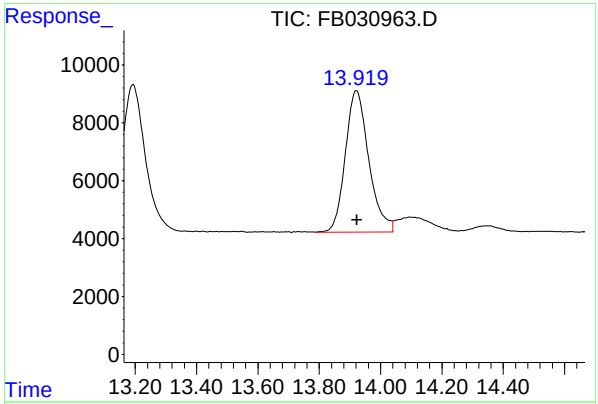
#7 Ethylbenzene

R.T.: 13.059 min
Delta R.T.: -0.001 min
Response: 123962
Conc: 2.83 ng/ml



#8 m-Xylene

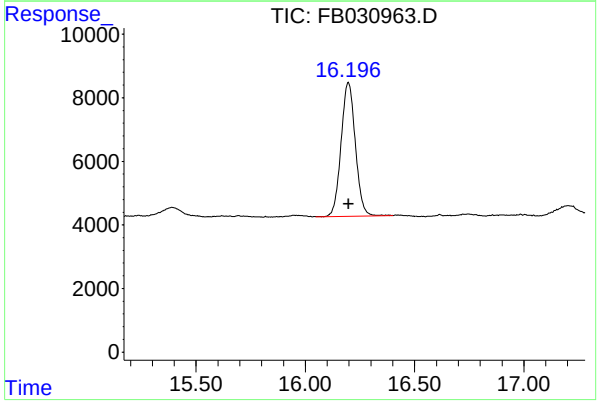
R.T.: 13.194 min
Delta R.T.: -0.001 min
Response: 273356
Conc: 5.66 ng/ml



#9 O-Xylene

R.T.: 13.921 min
Delta R.T.: -0.002 min
Response: 260179
Conc: 5.83 ng/ml

Instrument :
FID_B
ClientSampleId :
5 GRO STD



#10 1,2,4-Trimethylbenzene

R.T.: 16.197 min
Delta R.T.: -0.001 min
Response: 190778
Conc: 6.23 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB100424\
Data File : FB030963.D
Signal(s) : FID2B.CH
Acq On : 4 Oct 2024 9:45
Sample : 5 GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB100424.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.729	4.601	4.861	BV	3767	267824	63.99%	11.582%
2	7.426	7.239	7.646	VV	4177	369502	88.28%	15.980%
3	7.758	7.646	7.825	VV	1868	106895	25.54%	4.623%
4	7.897	7.825	8.108	VV	2346	135424	32.36%	5.857%
5	8.797	8.637	9.018	BV	2811	165874	39.63%	7.173%
6	10.623	10.516	10.958	VV	7358	418553	100.00%	18.101%
7	13.059	12.946	13.120	BV	2565	123962	29.62%	5.361%
8	13.194	13.120	13.388	VV	5090	273356	65.31%	11.822%
9	13.921	13.789	14.040	BV	4892	260179	62.16%	11.252%
10	16.197	16.049	16.401	BBA	4216	190778	45.58%	8.250%

Sum of corrected areas: 2312347

FB100424.M Sat Oct 05 06:06:51 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB100424\
Data File : FB030964.D
Signal(s) : FID2B.CH
Acq On : 4 Oct 2024 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 04 10:38:02 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB100424.M
Quant Title :
QLast Update : Fri Oct 04 10:37:47 2024
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	295837	9.285	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.728	545405	15.911	ng/ml
2) t	2,2,4-Trimethylpentane	7.426	722030	15.392	ng/ml
3) t	n-Heptane	7.756	224071	5.282	ng/ml
4) t	Benzene	7.898	275133	5.261	ng/ml
6) t	Toluene	10.625	853765	16.148	ng/ml
7) t	Ethylbenzene	13.060	249620	5.348	ng/ml
8) t	m-Xylene	13.194	549501	10.672	ng/ml
9) t	O-Xylene	13.923	517172	10.697	ng/ml
10) t	1,2,4-Trimethylbenzene	16.198	360146	10.474	ng/ml

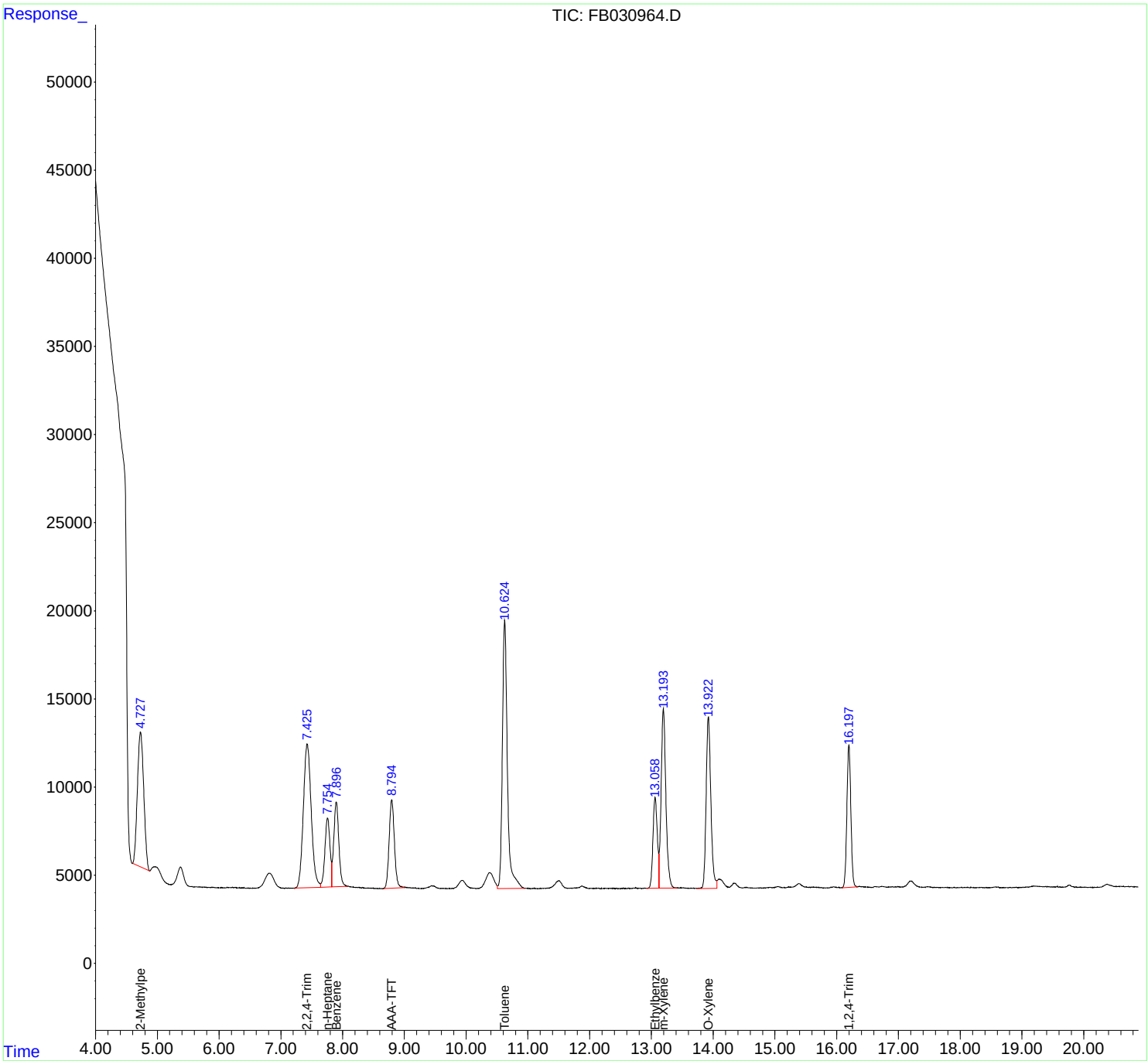
(f)=RT Delta > 1/2 Window (m)=manual int.

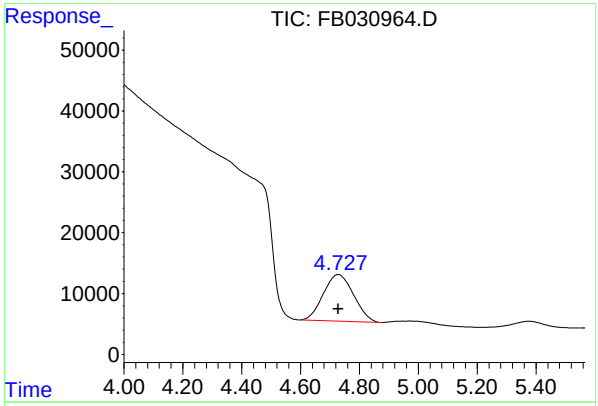
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB100424\
Data File : FB030964.D
Signal(s) : FID2B.CH
Acq On : 4 Oct 2024 10:11
Operator : YP/AJ
Sample : 10 GRO STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
10 GRO STD

Integration File: Calibration.e
Quant Time: Oct 04 10:38:02 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB100424.M
Quant Title :
QLast Update : Fri Oct 04 10:37:47 2024
Response via : Initial Calibration
Integrator: ChemStation

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

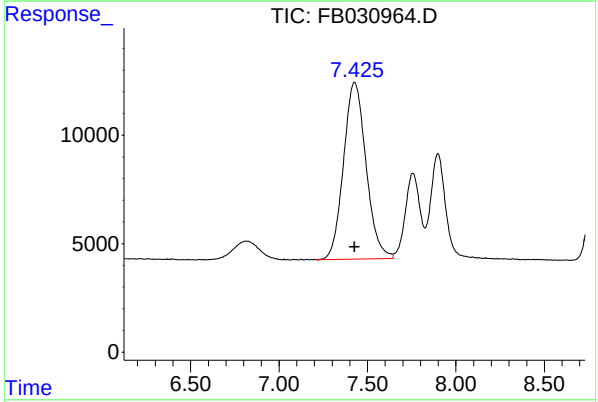




#1 2-Methylpentane

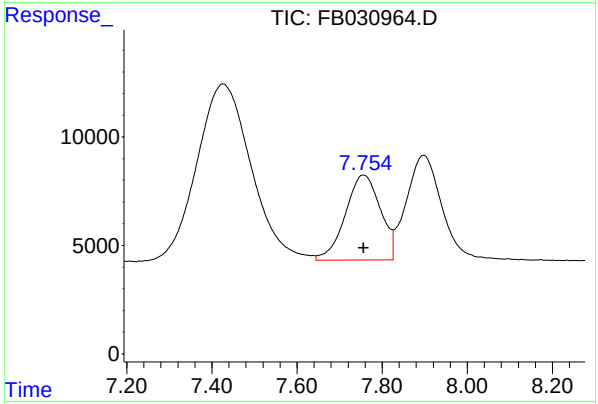
R.T.: 4.728 min
Delta R.T.: 0.000 min
Response: 545405
Conc: 15.91 ng/ml

Instrument :
FID_B
ClientSampleId :
10 GRO STD



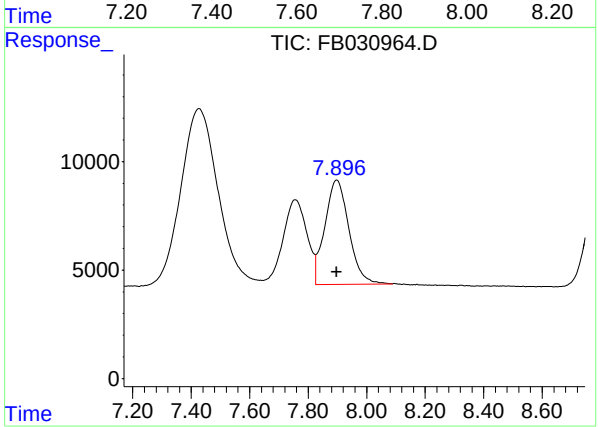
#2 2,2,4-Trimethylpentane

R.T.: 7.426 min
Delta R.T.: -0.001 min
Response: 722030
Conc: 15.39 ng/ml



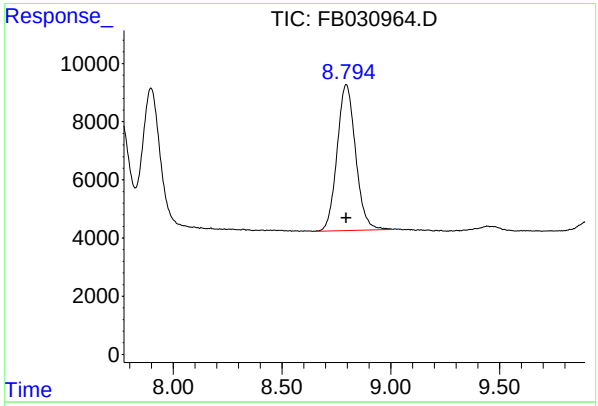
#3 n-Heptane

R.T.: 7.756 min
Delta R.T.: 0.000 min
Response: 224071
Conc: 5.28 ng/ml



#4 Benzene

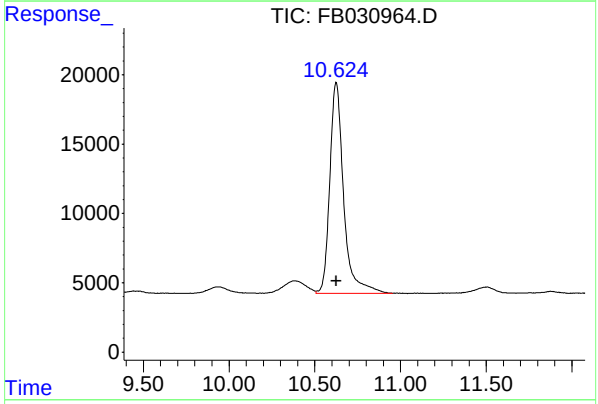
R.T.: 7.898 min
Delta R.T.: 0.000 min
Response: 275133
Conc: 5.26 ng/ml



#5 AAA-TFT

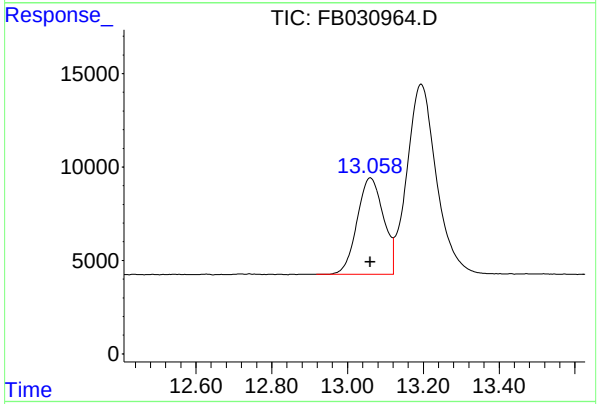
R.T.: 8.796 min
Delta R.T.: 0.000 min
Response: 295837
Conc: 9.28 ng/ml

Instrument :
FID_B
ClientSampleId :
10 GRO STD



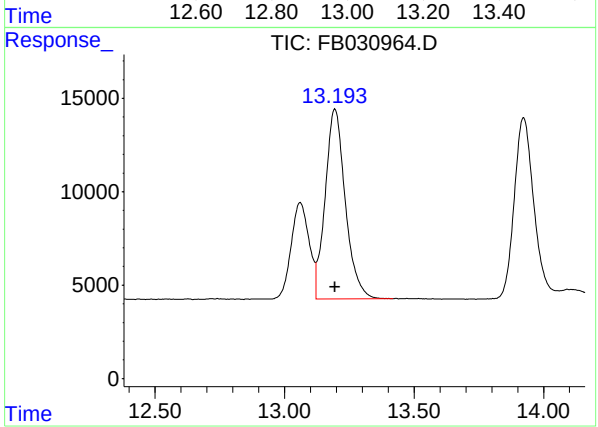
#6 Toluene

R.T.: 10.625 min
Delta R.T.: 0.000 min
Response: 853765
Conc: 16.15 ng/ml



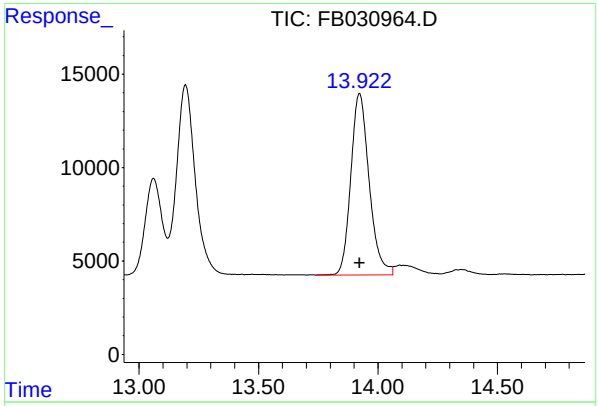
#7 Ethylbenzene

R.T.: 13.060 min
Delta R.T.: 0.000 min
Response: 249620
Conc: 5.35 ng/ml



#8 m-Xylene

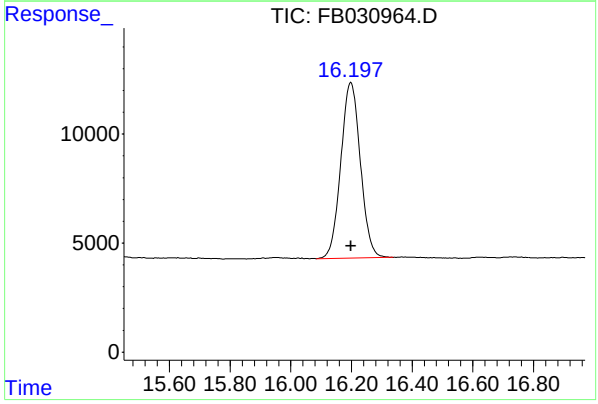
R.T.: 13.194 min
Delta R.T.: 0.000 min
Response: 549501
Conc: 10.67 ng/ml



#9 O-Xylene

R.T.: 13.923 min
Delta R.T.: 0.000 min
Response: 517172
Conc: 10.70 ng/ml

Instrument :
FID_B
ClientSampleId :
10 GRO STD



#10 1,2,4-Trimethylbenzene

R.T.: 16.198 min
Delta R.T.: 0.000 min
Response: 360146
Conc: 10.47 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB100424\
Data File : FB030964.D
Signal(s) : FID2B.CH
Acq On : 4 Oct 2024 10:11
Sample : 10 GRO STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB100424.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.728	4.601	4.878	BV	7647	545405	63.88%	11.876%
2	7.426	7.209	7.644	BV	8159	722030	84.57%	15.721%
3	7.756	7.644	7.826	VV	3920	224071	26.24%	4.879%
4	7.898	7.826	8.089	VV	4813	275133	32.23%	5.991%
5	8.796	8.657	9.010	BV	5019	295837	34.65%	6.441%
6	10.625	10.506	10.956	VV	15221	853765	100.00%	18.590%
7	13.060	12.918	13.121	BV	5167	249620	29.24%	5.435%
8	13.194	13.121	13.419	VV	10177	549501	64.36%	11.965%
9	13.923	13.739	14.062	PV	9726	517172	60.58%	11.261%
10	16.198	16.085	16.339	PV	8062	360146	42.18%	7.842%

Sum of corrected areas: 4592681

FB100424.M Sat Oct 05 06:07:32 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB100424\
Data File : FB030965.D
Signal(s) : FID2B.CH
Acq On : 4 Oct 2024 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 04 10:36:17 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB100424.M
Quant Title :
QLast Update : Fri Oct 04 10:36:04 2024
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	611009	20.000	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.728	985433	30.000	ng/ml
2) t	2,2,4-Trimethylpentane	7.428	1336470	30.000	ng/ml
3) t	n-Heptane	7.757	420858	10.000	ng/ml
4) t	Benzene	7.898	504170	10.000	ng/ml
6) t	Toluene	10.625	1498114	30.000	ng/ml
7) t	Ethylbenzene	13.061	437603	10.000	ng/ml
8) t	m-Xylene	13.195	966126	20.000	ng/ml
9) t	O-Xylene	13.923	893199	20.000	ng/ml
10) t	1,2,4-Trimethylbenzene	16.198	612221	20.000	ng/ml

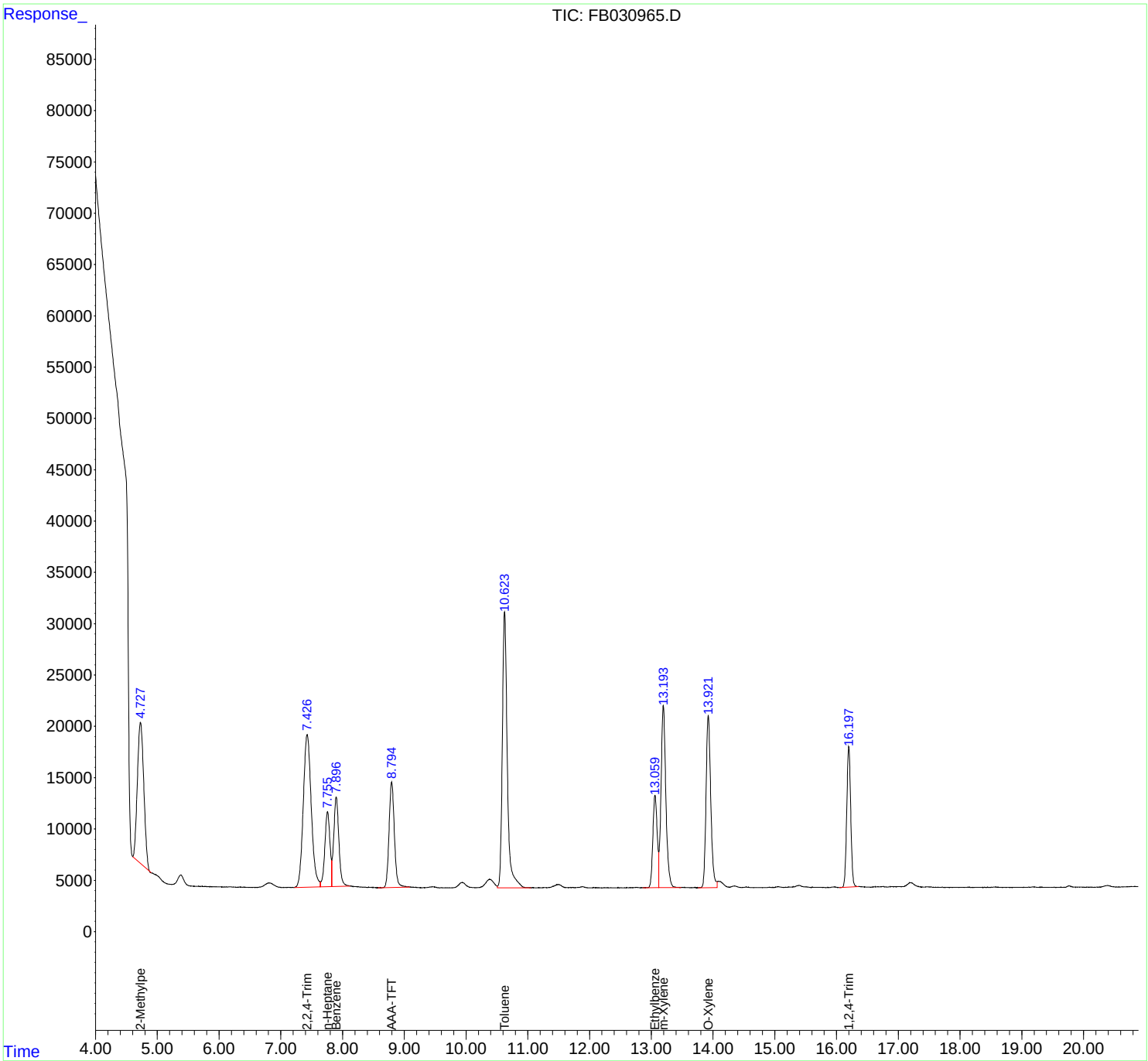
(f)=RT Delta > 1/2 Window (m)=manual int.

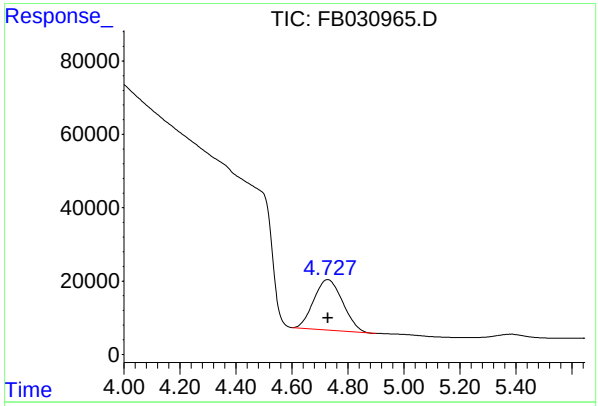
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB100424\
Data File : FB030965.D
Signal(s) : FID2B.CH
Acq On : 4 Oct 2024 10:38
Operator : YP/AJ
Sample : 20 GRO STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 GRO STD

Integration File: Calibration.e
Quant Time: Oct 04 10:36:17 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB100424.M
Quant Title :
QLast Update : Fri Oct 04 10:36:04 2024
Response via : Initial Calibration
Integrator: ChemStation

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

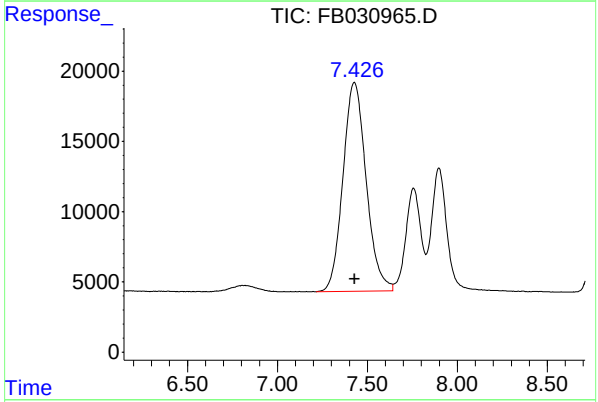




#1 2-Methylpentane

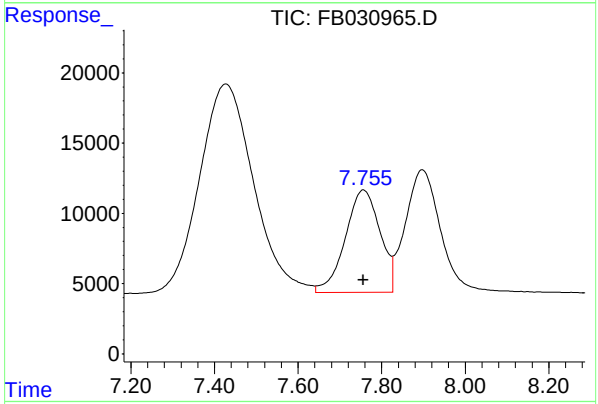
R.T.: 4.728 min
Delta R.T.: 0.000 min
Response: 985433
Conc: 30.00 ng/ml

Instrument :
FID_B
ClientSampleId :
20 GRO STD



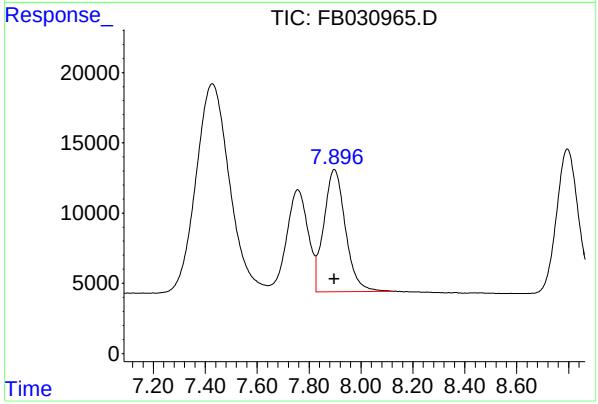
#2 2,2,4-Trimethylpentane

R.T.: 7.428 min
Delta R.T.: 0.000 min
Response: 1336470
Conc: 30.00 ng/ml



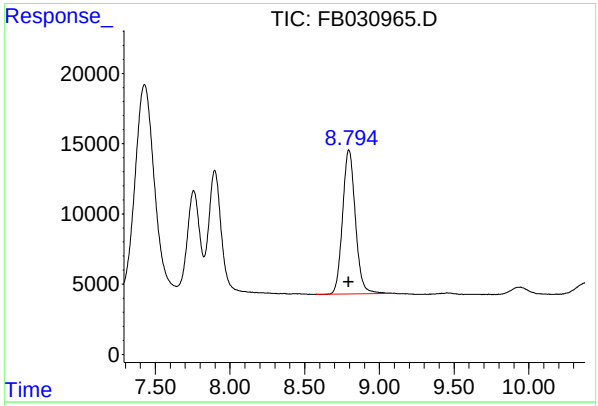
#3 n-Heptane

R.T.: 7.757 min
Delta R.T.: 0.000 min
Response: 420858
Conc: 10.00 ng/ml



#4 Benzene

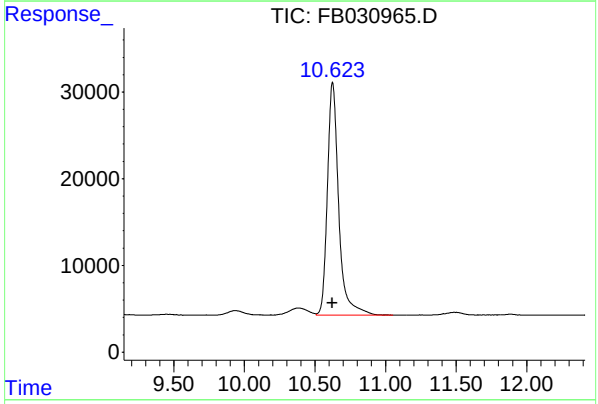
R.T.: 7.898 min
Delta R.T.: 0.000 min
Response: 504170
Conc: 10.00 ng/ml



#5 AAA-TFT

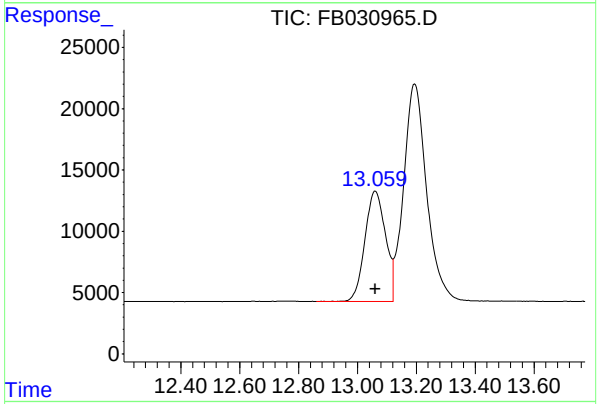
R.T.: 8.795 min
Delta R.T.: 0.000 min
Response: 611009
Conc: 20.00 ng/ml

Instrument :
FID_B
ClientSampleId :
20 GRO STD



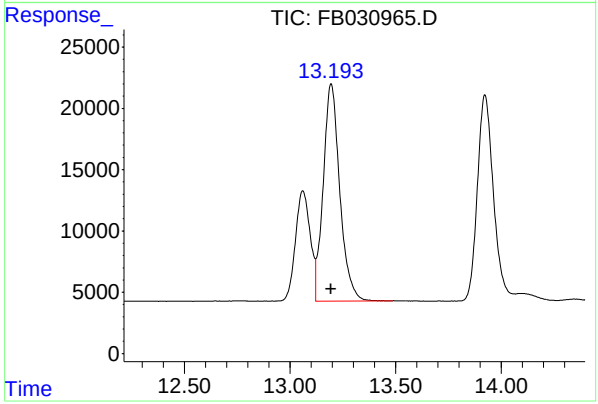
#6 Toluene

R.T.: 10.625 min
Delta R.T.: 0.000 min
Response: 1498114
Conc: 30.00 ng/ml



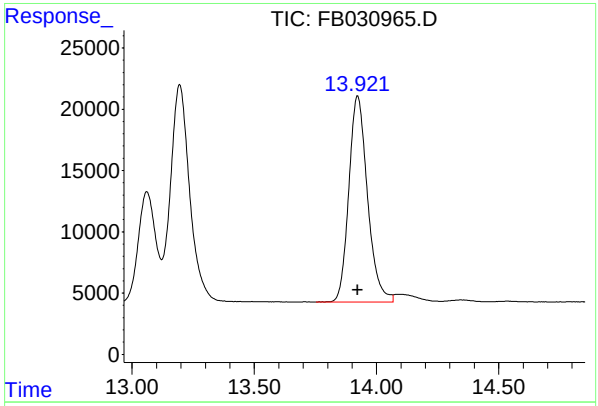
#7 Ethylbenzene

R.T.: 13.061 min
Delta R.T.: 0.000 min
Response: 437603
Conc: 10.00 ng/ml



#8 m-Xylene

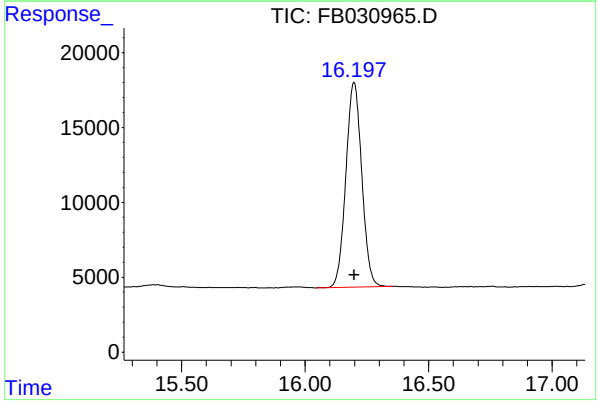
R.T.: 13.195 min
Delta R.T.: 0.000 min
Response: 966126
Conc: 20.00 ng/ml



#9 O-Xylene

R.T.: 13.923 min
Delta R.T.: 0.000 min
Response: 893199
Conc: 20.00 ng/ml

Instrument :
FID_B
ClientSampleId :
20 GRO STD



#10 1,2,4-Trimethylbenzene

R.T.: 16.198 min
Delta R.T.: 0.000 min
Response: 612221
Conc: 20.00 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB100424\
Data File : FB030965.D
Signal(s) : FID2B.CH
Acq On : 4 Oct 2024 10:38
Sample : 20 GRO STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB100424.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.728	4.601	4.900	BBA	13748	985433	65.78%	11.923%
2	7.428	7.214	7.642	PV	14890	1336470	89.21%	16.170%
3	7.757	7.642	7.826	VV	7308	420858	28.09%	5.092%
4	7.898	7.826	8.123	VV	8709	504170	33.65%	6.100%
5	8.795	8.576	9.091	BV	10273	611009	40.79%	7.393%
6	10.625	10.508	11.053	VV	26863	1498114	100.00%	18.126%
7	13.061	12.860	13.121	PV	9012	437603	29.21%	5.295%
8	13.195	13.121	13.486	VV	17726	966126	64.49%	11.689%
9	13.923	13.753	14.067	BV	16825	893199	59.62%	10.807%
10	16.198	16.043	16.355	PV	13679	612221	40.87%	7.407%

Sum of corrected areas: 8265204

FB100424.M Sat Oct 05 06:08:17 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB100424\
Data File : FB030966.D
Signal(s) : FID2B.CH
Acq On : 4 Oct 2024 11:05
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 04 11:01:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB100424.M
Quant Title :
QLast Update : Fri Oct 04 10:41:05 2024
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	1352495	43.484 ng/ml
	Target Compounds			
1) t	2-Methylpentane	4.729	2850875	81.517 ng/ml
2) t	2,2,4-Trimethylpentane	7.431	3634732	76.816 ng/ml
3) t	n-Heptane	7.758	1192795	27.599 ng/ml
4) t	Benzene	7.899	1447228	27.201 ng/ml
6) t	Toluene	10.627	4058953	74.860 ng/ml
7) t	Ethylbenzene	13.063	1184934	24.812 ng/ml
8) t	m-Xylene	13.197	2605506	49.494 ng/ml
9) t	O-Xylene	13.926	2427068	49.060 ng/ml
10) t	1,2,4-Trimethylbenzene	16.200	1540361	44.102 ng/ml

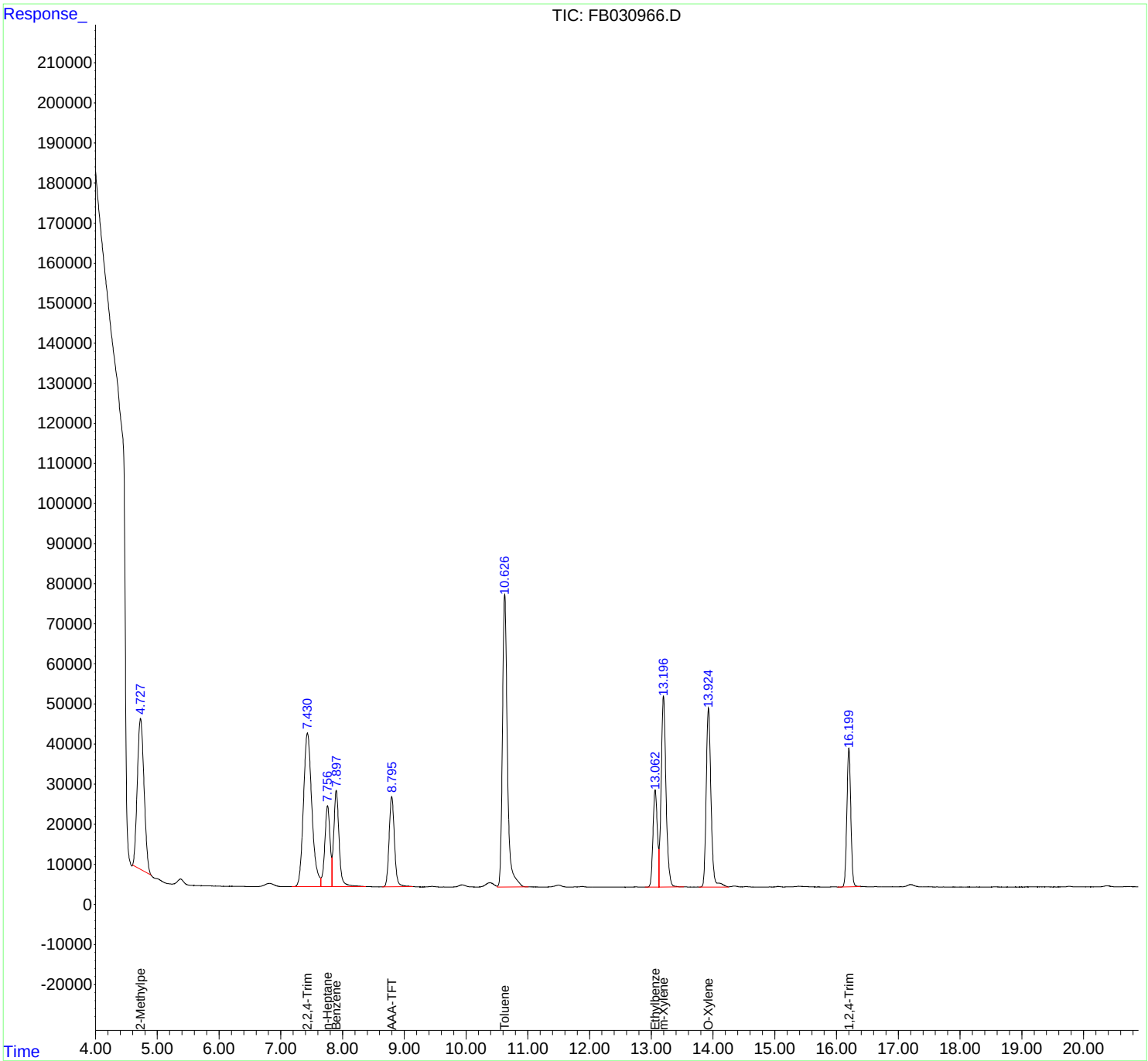
(f)=RT Delta > 1/2 Window (m)=manual int.

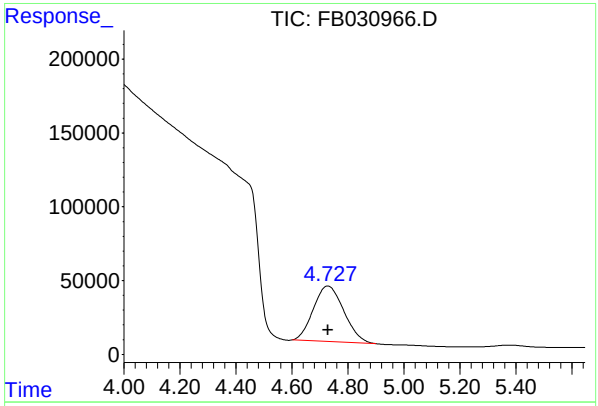
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB100424\
Data File : FB030966.D
Signal(s) : FID2B.CH
Acq On : 4 Oct 2024 11:05
Operator : YP/AJ
Sample : 50 GRO STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
50 GRO STD

Integration File: Calibration.e
Quant Time: Oct 04 11:01:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB100424.M
Quant Title :
QLast Update : Fri Oct 04 10:41:05 2024
Response via : Initial Calibration
Integrator: ChemStation

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

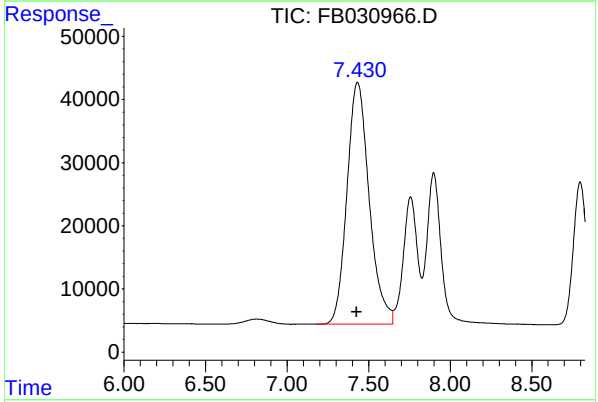




#1 2-Methylpentane

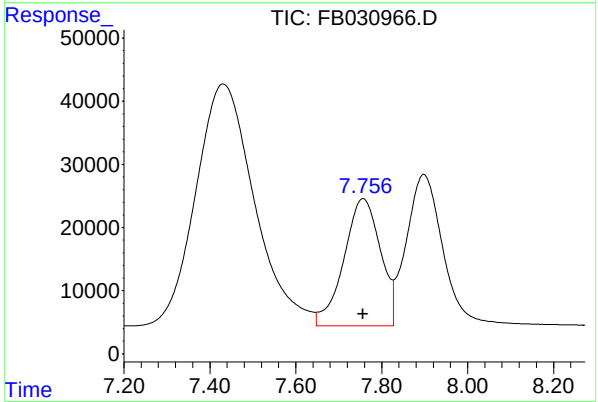
R.T.: 4.729 min
Delta R.T.: 0.000 min
Response: 2850875
Conc: 81.52 ng/ml

Instrument :
FID_B
ClientSampleId :
50 GRO STD



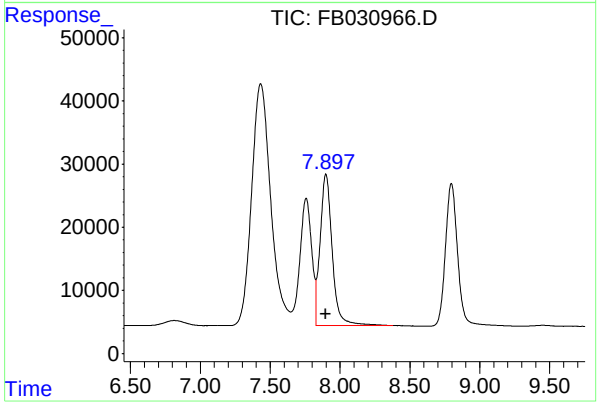
#2 2,2,4-Trimethylpentane

R.T.: 7.431 min
Delta R.T.: 0.004 min
Response: 3634732
Conc: 76.82 ng/ml



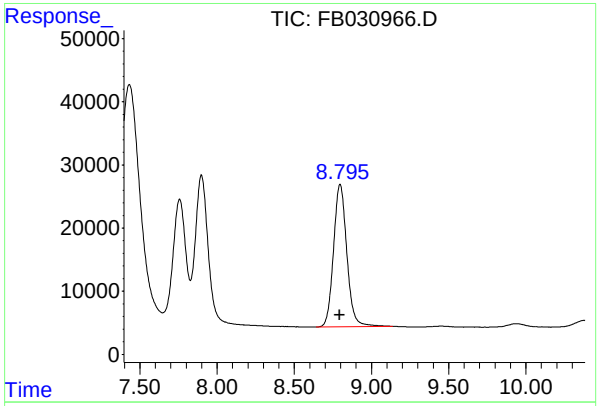
#3 n-Heptane

R.T.: 7.758 min
Delta R.T.: 0.000 min
Response: 1192795
Conc: 27.60 ng/ml



#4 Benzene

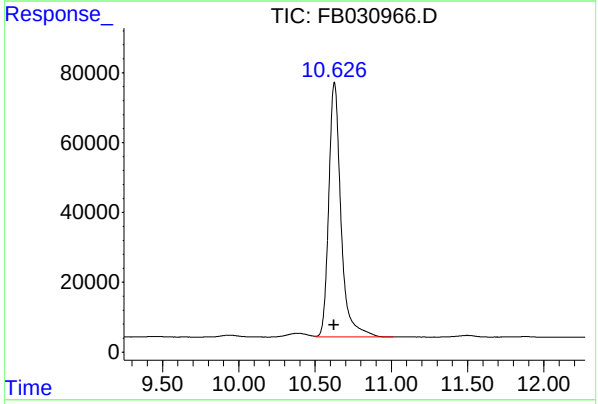
R.T.: 7.899 min
Delta R.T.: 0.001 min
Response: 1447228
Conc: 27.20 ng/ml



#5 AAA-TFT

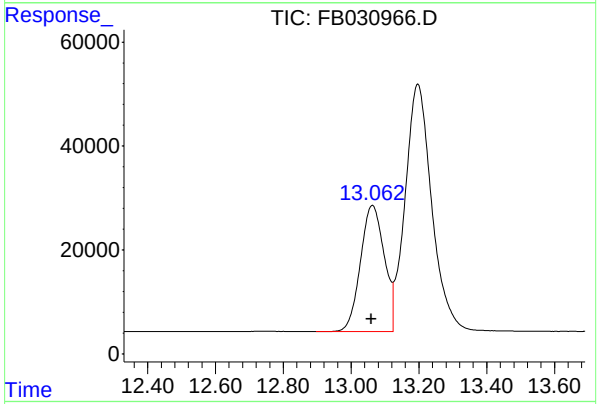
R.T.: 8.797 min
Delta R.T.: 0.001 min
Response: 1352495
Conc: 43.48 ng/ml

Instrument :
FID_B
ClientSampleId :
50 GRO STD



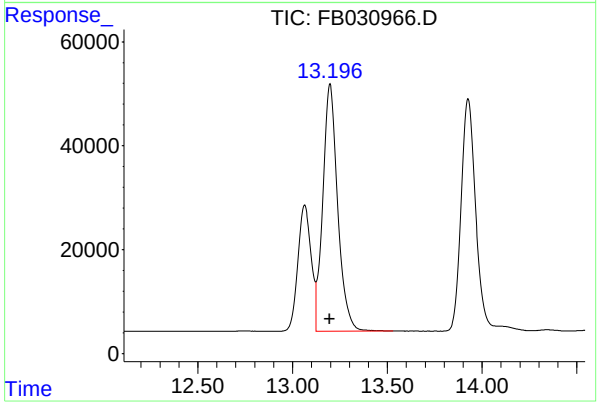
#6 Toluene

R.T.: 10.627 min
Delta R.T.: 0.002 min
Response: 4058953
Conc: 74.86 ng/ml



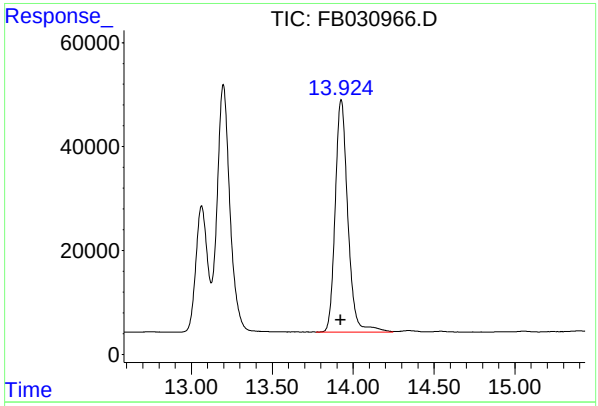
#7 Ethylbenzene

R.T.: 13.063 min
Delta R.T.: 0.003 min
Response: 1184934
Conc: 24.81 ng/ml



#8 m-Xylene

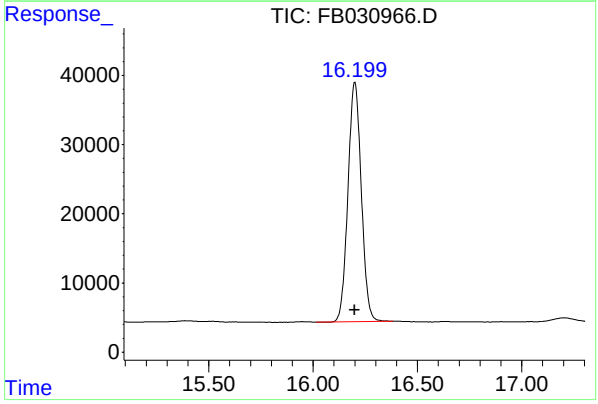
R.T.: 13.197 min
Delta R.T.: 0.003 min
Response: 2605506
Conc: 49.49 ng/ml



#9 O-Xylene

R.T.: 13.926 min
Delta R.T.: 0.003 min
Response: 2427068
Conc: 49.06 ng/ml

Instrument :
FID_B
ClientSampleId :
50 GRO STD



#10 1,2,4-Trimethylbenzene

R.T.: 16.200 min
Delta R.T.: 0.002 min
Response: 1540361
Conc: 44.10 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB100424\
Data File : FB030966.D
Signal(s) : FID2B.CH
Acq On : 4 Oct 2024 11:05
Sample : 50 GRO STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB100424.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.729	4.601	4.900	BBA	37670	2850875	70.24%	12.787%
2	7.431	7.176	7.648	VV	38327	3634732	89.55%	16.303%
3	7.758	7.648	7.827	VV	20191	1192795	29.39%	5.350%
4	7.899	7.827	8.378	VV	24000	1447228	35.66%	6.491%
5	8.797	8.640	9.138	BV	22572	1352495	33.32%	6.066%
6	10.627	10.506	11.011	VV	72983	4058953	100.00%	18.206%
7	13.063	12.896	13.124	PV	24292	1184934	29.19%	5.315%
8	13.197	13.124	13.530	VV	47631	2605506	64.19%	11.687%
9	13.926	13.770	14.246	PV	44741	2427068	59.80%	10.886%
10	16.200	16.014	16.383	PV	34638	1540361	37.95%	6.909%

Sum of corrected areas: 22294948

FB100424.M Sat Oct 05 06:09:14 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB100424\
Data File : FB030967.D
Signal(s) : FID2B.CH
Acq On : 4 Oct 2024 11:31
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 04 11:27:18 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB100424.M
Quant Title :
QLast Update : Fri Oct 04 11:02:13 2024
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	2952871	98.136	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.726	5624158	157.397	ng/ml
2) t	2,2,4-Trimethylpentane	7.432	7177805	150.783	ng/ml
3) t	n-Heptane	7.756	2407690	54.298	ng/ml
4) t	Benzene	7.898	2865961	52.707	ng/ml
6) t	Toluene	10.627	7997551	147.569	ng/ml
7) t	Ethylbenzene	13.064	2316727	48.603	ng/ml
8) t	m-Xylene	13.199	5080419	96.753	ng/ml
9) t	O-Xylene	13.928	4627108	93.973	ng/ml
10) t	1,2,4-Trimethylbenzene	16.202	2825204	83.346	ng/ml

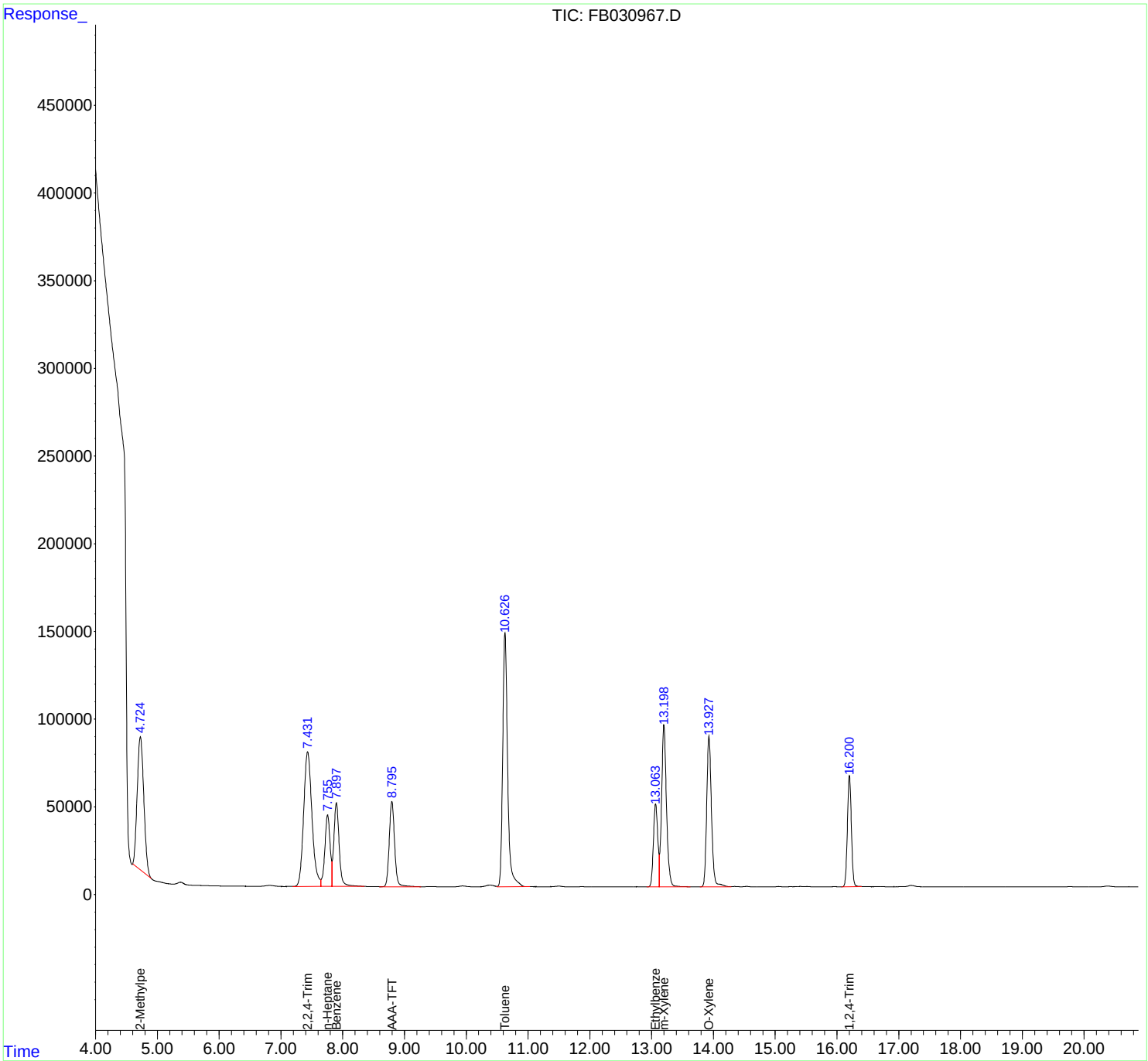
(f)=RT Delta > 1/2 Window (m)=manual int.

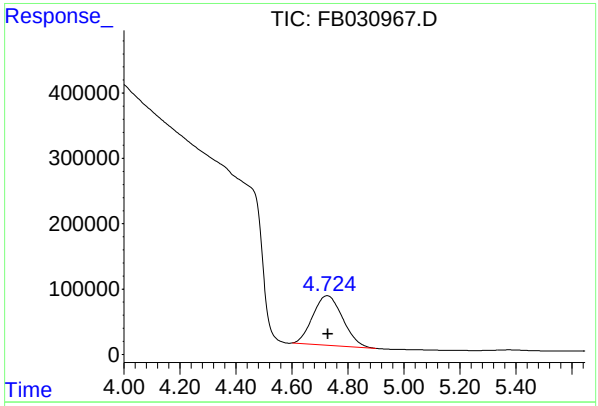
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB100424\
Data File : FB030967.D
Signal(s) : FID2B.CH
Acq On : 4 Oct 2024 11:31
Operator : YP/AJ
Sample : 100 GRO STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
100 GRO STD

Integration File: Calibration.e
Quant Time: Oct 04 11:27:18 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB100424.M
Quant Title :
QLast Update : Fri Oct 04 11:02:13 2024
Response via : Initial Calibration
Integrator: ChemStation

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

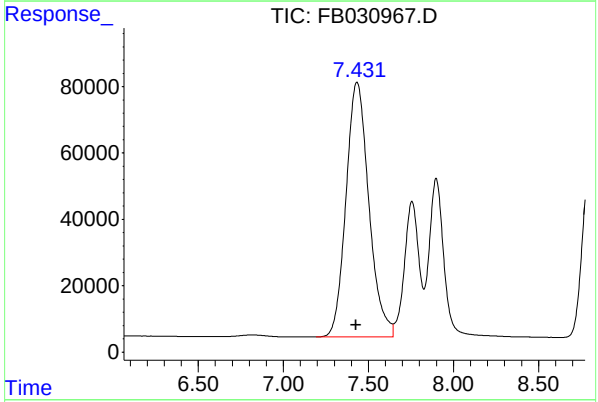




#1 2-Methylpentane

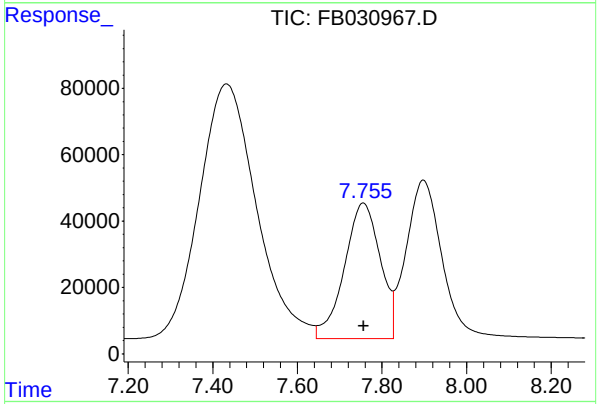
R.T.: 4.726 min
Delta R.T.: -0.002 min
Response: 5624158
Conc: 157.40 ng/ml

Instrument :
FID_B
ClientSampleId :
100 GRO STD



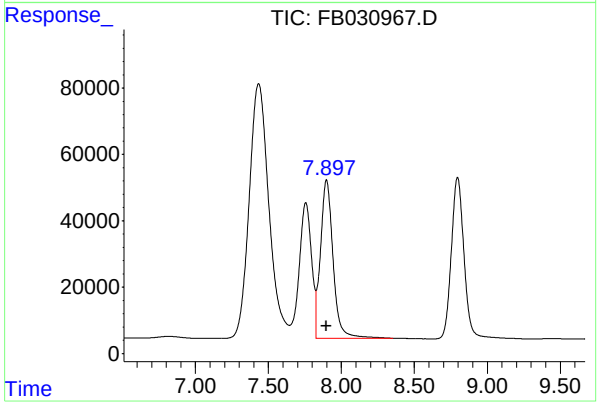
#2 2,2,4-Trimethylpentane

R.T.: 7.432 min
Delta R.T.: 0.005 min
Response: 7177805
Conc: 150.78 ng/ml



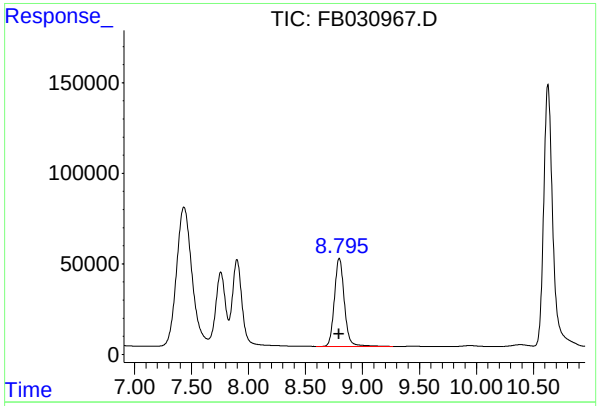
#3 n-Heptane

R.T.: 7.756 min
Delta R.T.: 0.000 min
Response: 2407690
Conc: 54.30 ng/ml



#4 Benzene

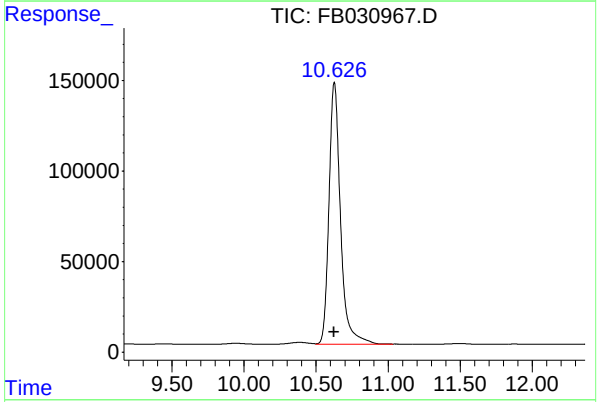
R.T.: 7.898 min
Delta R.T.: 0.000 min
Response: 2865961
Conc: 52.71 ng/ml



#5 AAA-TFT

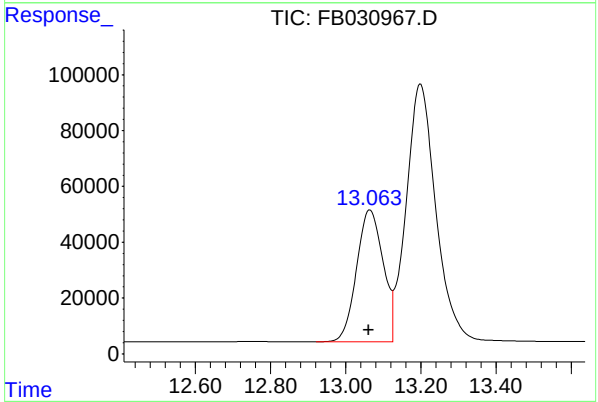
R.T.: 8.797 min
Delta R.T.: 0.001 min
Response: 2952871
Conc: 98.14 ng/ml

Instrument :
FID_B
ClientSampleId :
100 GRO STD



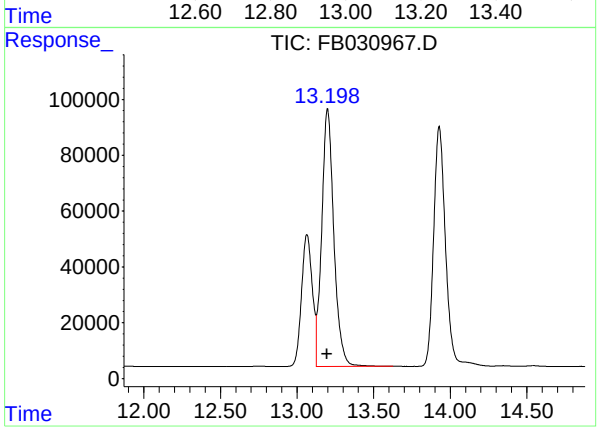
#6 Toluene

R.T.: 10.627 min
Delta R.T.: 0.003 min
Response: 7997551
Conc: 147.57 ng/ml



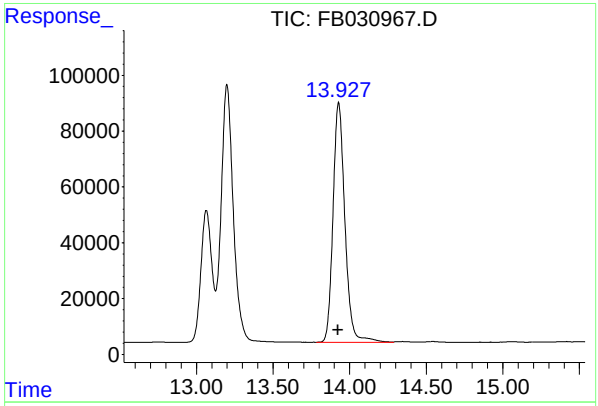
#7 Ethylbenzene

R.T.: 13.064 min
Delta R.T.: 0.004 min
Response: 2316727
Conc: 48.60 ng/ml



#8 m-Xylene

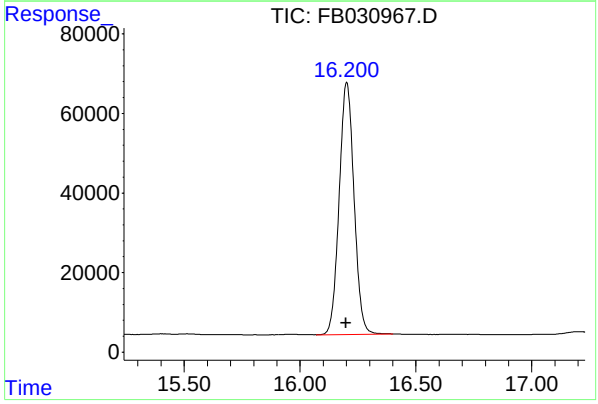
R.T.: 13.199 min
Delta R.T.: 0.004 min
Response: 5080419
Conc: 96.75 ng/ml



#9 O-Xylene

R.T.: 13.928 min
Delta R.T.: 0.005 min
Response: 4627108
Conc: 93.97 ng/ml

Instrument :
FID_B
ClientSampleId :
100 GRO STD



#10 1,2,4-Trimethylbenzene

R.T.: 16.202 min
Delta R.T.: 0.003 min
Response: 2825204
Conc: 83.35 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB100424\
Data File : FB030967.D
Signal(s) : FID2B.CH
Acq On : 4 Oct 2024 11:31
Sample : 100 GRO STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB100424.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	4.601	4.900	BBA	75983	5624158	70.32%	12.818%
2	7.432	7.192	7.644	VV	76766	7177805	89.75%	16.359%
3	7.756	7.644	7.827	VV	40869	2407690	30.11%	5.488%
4	7.898	7.827	8.353	VV	47752	2865961	35.84%	6.532%
5	8.797	8.592	9.267	PV	48708	2952871	36.92%	6.730%
6	10.627	10.499	11.033	VV	144635	7997551	100.00%	18.228%
7	13.064	12.921	13.125	VV	47223	2316727	28.97%	5.280%
8	13.199	13.125	13.628	VV	92357	5080419	63.52%	11.579%
9	13.928	13.782	14.284	PV	86037	4627108	57.86%	10.546%
10	16.202	16.069	16.401	BBA	63402	2825204	35.33%	6.439%

Sum of corrected areas: 43875493

FB100424.M Sat Oct 05 06:10:01 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB100424\
Data File : FB030968.D
Signal(s) : FID2B.CH
Acq On : 4 Oct 2024 12:09
Operator : YP/AJ
Sample : FB100424GROICV
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
FB100424GROICV

Integration File: Calibration.e
Quant Time: Oct 04 12:05:15 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB100424.M
Quant Title :
QLast Update : Fri Oct 04 11:53:51 2024
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	555957	18.546	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.728	925012	25.634	ng/ml
2) t	2,2,4-Trimethylpentane	7.427	1267661	26.602	ng/ml
3) t	n-Heptane	7.756	374766	8.309	ng/ml
4) t	Benzene	7.898	482014	8.770	ng/ml
6) t	Toluene	10.624	1436974	26.601	ng/ml
7) t	Ethylbenzene	13.061	438211	9.245	ng/ml
8) t	m-Xylene	13.195	974235	18.675	ng/ml
9) t	O-Xylene	13.923	939607	19.316	ng/ml
10) t	1,2,4-Trimethylbenzene	16.199	664963	20.293	ng/ml

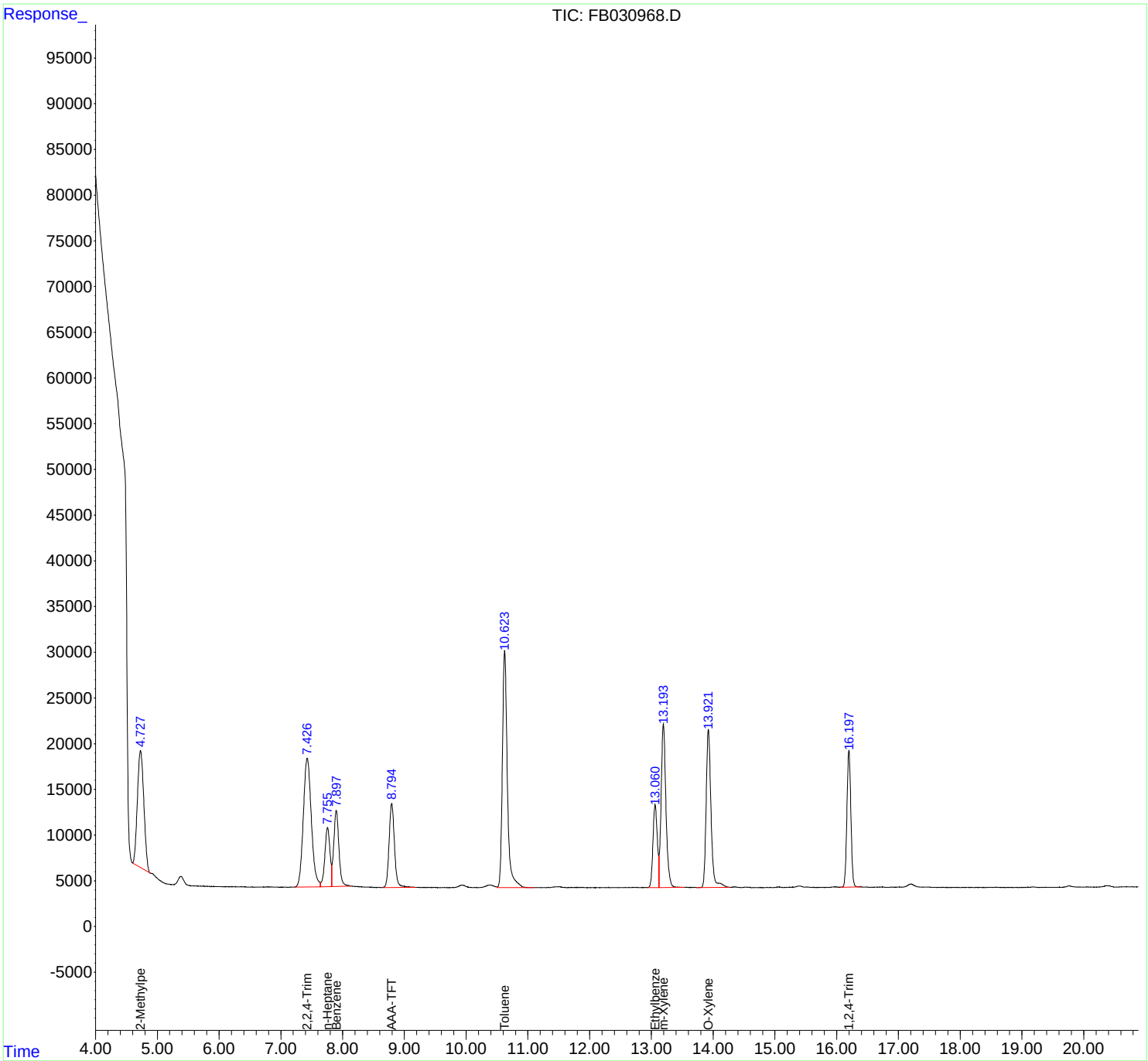
(f)=RT Delta > 1/2 Window (m)=manual int.

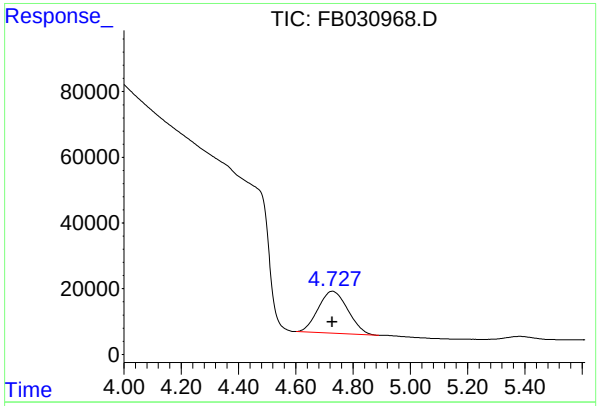
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB100424\
Data File : FB030968.D
Signal(s) : FID2B.CH
Acq On : 4 Oct 2024 12:09
Operator : YP/AJ
Sample : FB100424GROICV
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
FB100424GROICV

Integration File: Calibration.e
Quant Time: Oct 04 12:05:15 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB100424.M
Quant Title :
QLast Update : Fri Oct 04 11:53:51 2024
Response via : Initial Calibration
Integrator: ChemStation

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

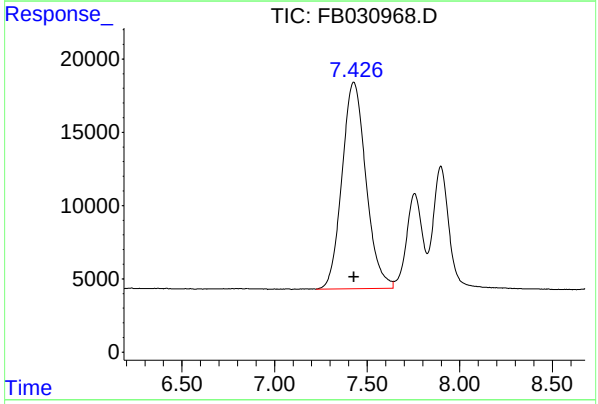




#1 2-Methylpentane

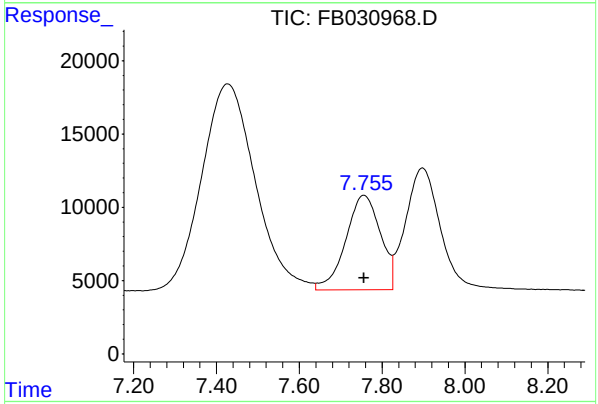
R.T.: 4.728 min
Delta R.T.: 0.000 min
Response: 925012
Conc: 25.63 ng/ml

Instrument :
FID_B
ClientSampleId :
FB100424GROICV



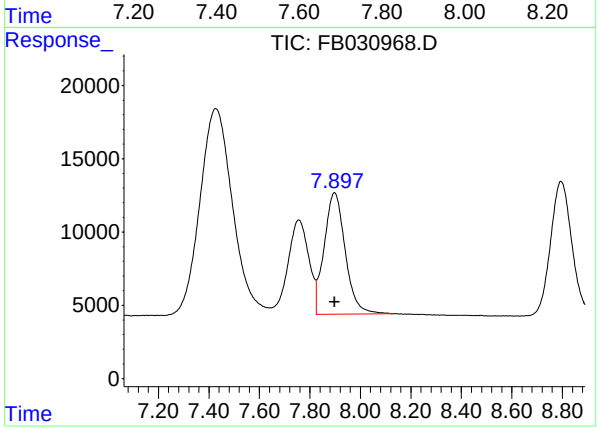
#2 2,2,4-Trimethylpentane

R.T.: 7.427 min
Delta R.T.: 0.000 min
Response: 1267661
Conc: 26.60 ng/ml



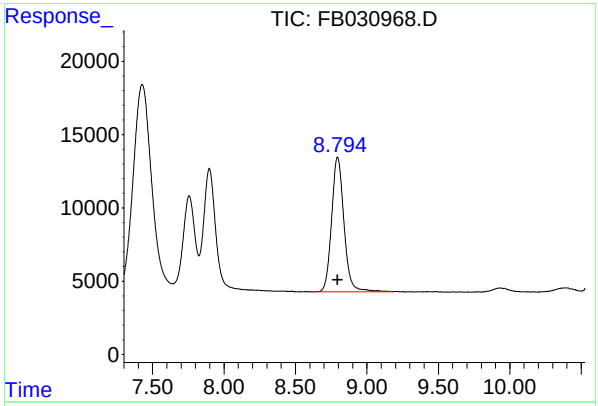
#3 n-Heptane

R.T.: 7.756 min
Delta R.T.: 0.000 min
Response: 374766
Conc: 8.31 ng/ml



#4 Benzene

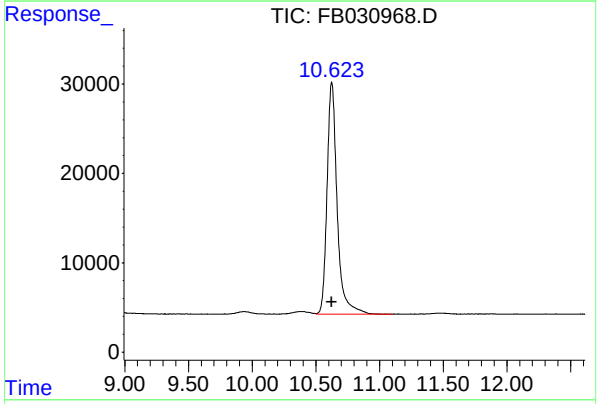
R.T.: 7.898 min
Delta R.T.: 0.000 min
Response: 482014
Conc: 8.77 ng/ml



#5 AAA-TFT

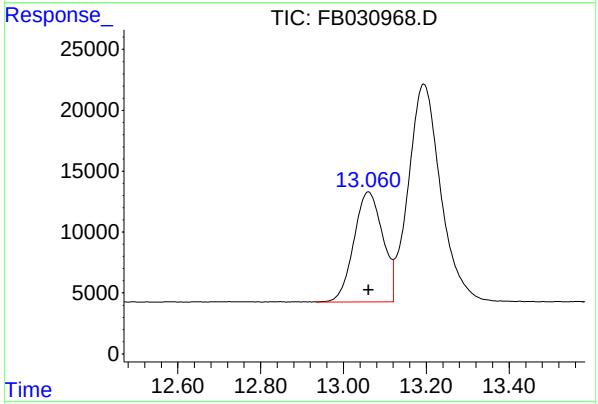
R.T.: 8.795 min
Delta R.T.: 0.000 min
Response: 555957
Conc: 18.55 ng/ml

Instrument :
FID_B
ClientSampleId :
FB100424GROICV



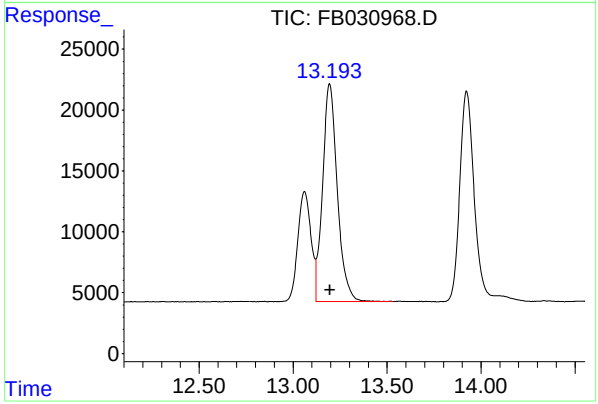
#6 Toluene

R.T.: 10.624 min
Delta R.T.: 0.000 min
Response: 1436974
Conc: 26.60 ng/ml



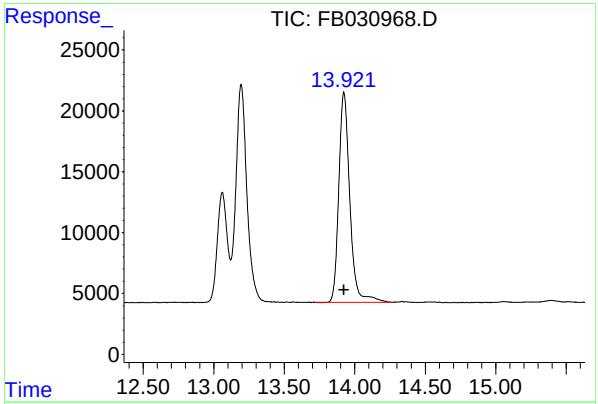
#7 Ethylbenzene

R.T.: 13.061 min
Delta R.T.: 0.000 min
Response: 438211
Conc: 9.24 ng/ml



#8 m-Xylene

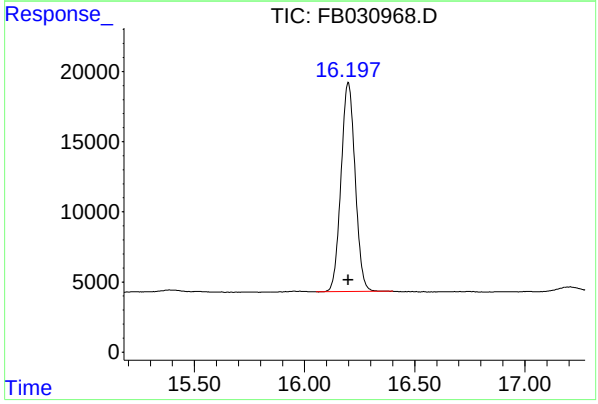
R.T.: 13.195 min
Delta R.T.: 0.000 min
Response: 974235
Conc: 18.67 ng/ml



#9 O-Xylene

R.T.: 13.923 min
Delta R.T.: 0.000 min
Response: 939607
Conc: 19.32 ng/ml

Instrument :
FID_B
ClientSampleId :
FB100424GROICV



#10 1,2,4-Trimethylbenzene

R.T.: 16.199 min
Delta R.T.: 0.000 min
Response: 664963
Conc: 20.29 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB100424\
Data File : FB030968.D
Signal(s) : FID2B.CH
Acq On : 4 Oct 2024 12:09
Sample : FB100424GROICV
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB100424.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.728	4.601	4.890	BV	12785	925012	64.37%	11.477%
2	7.427	7.224	7.639	PV	14096	1267661	88.22%	15.729%
3	7.756	7.639	7.825	VV	6462	374766	26.08%	4.650%
4	7.898	7.825	8.130	VV	8305	482014	33.54%	5.981%
5	8.795	8.644	9.183	PV	9196	555957	38.69%	6.898%
6	10.624	10.502	11.106	VV	25953	1436974	100.00%	17.830%
7	13.061	12.935	13.121	BV	9046	438211	30.50%	5.437%
8	13.195	13.121	13.530	VV	17896	974235	67.80%	12.088%
9	13.923	13.725	14.271	BV	17283	939607	65.39%	11.659%
10	16.199	16.052	16.401	BBA	14926	664963	46.28%	8.251%

Sum of corrected areas: 8059398

FB100424.M Sat Oct 05 06:10:35 2024

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

GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Chemtech Contract: CHEM02

ProjectID: NJ Soil PT

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG No.: P4495

DataFile: FB031011.D Analyst Name: YP/AJ Analyst Date: 10-24-2024

Conc. (PPB)	Area Count	RF	Average RF	%D
180	7107480	39486	45995	14.152

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB102424\
Data File : FB031011.D
Signal(s) : FID2B.CH
Acq On : 24 Oct 2024 8:53
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: Calibration.e
Quant Time: Oct 25 04:01:25 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB100424.M
Quant Title :
QLast Update : Fri Oct 04 11:53:51 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/25/2024
Supervised By :Ankita Jodhani 10/25/2024

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
5) s	AAA-TFT	8.789	600198	20.022 ng/ml
	Target Compounds			
1) t	2-Methylpentane	4.720	927287	25.697 ng/mlm
2) t	2,2,4-Trimethylpentane	7.418	1222425	25.652 ng/ml
3) t	n-Heptane	7.749	344699	7.642 ng/ml
4) t	Benzene	7.889	495887	9.022 ng/ml
6) t	Toluene	10.617	1347109	24.937 ng/ml
7) t	Ethylbenzene	13.054	406475	8.575 ng/ml
8) t	m-Xylene	13.187	869994	16.677 ng/ml
9) t	O-Xylene	13.915	822561	16.909 ng/ml
10) t	1,2,4-Trimethylbenzene	16.191	671043	20.479 ng/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB102424\
Data File : FB031011.D
Signal(s) : FID2B.CH
Acq On : 24 Oct 2024 8:53
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

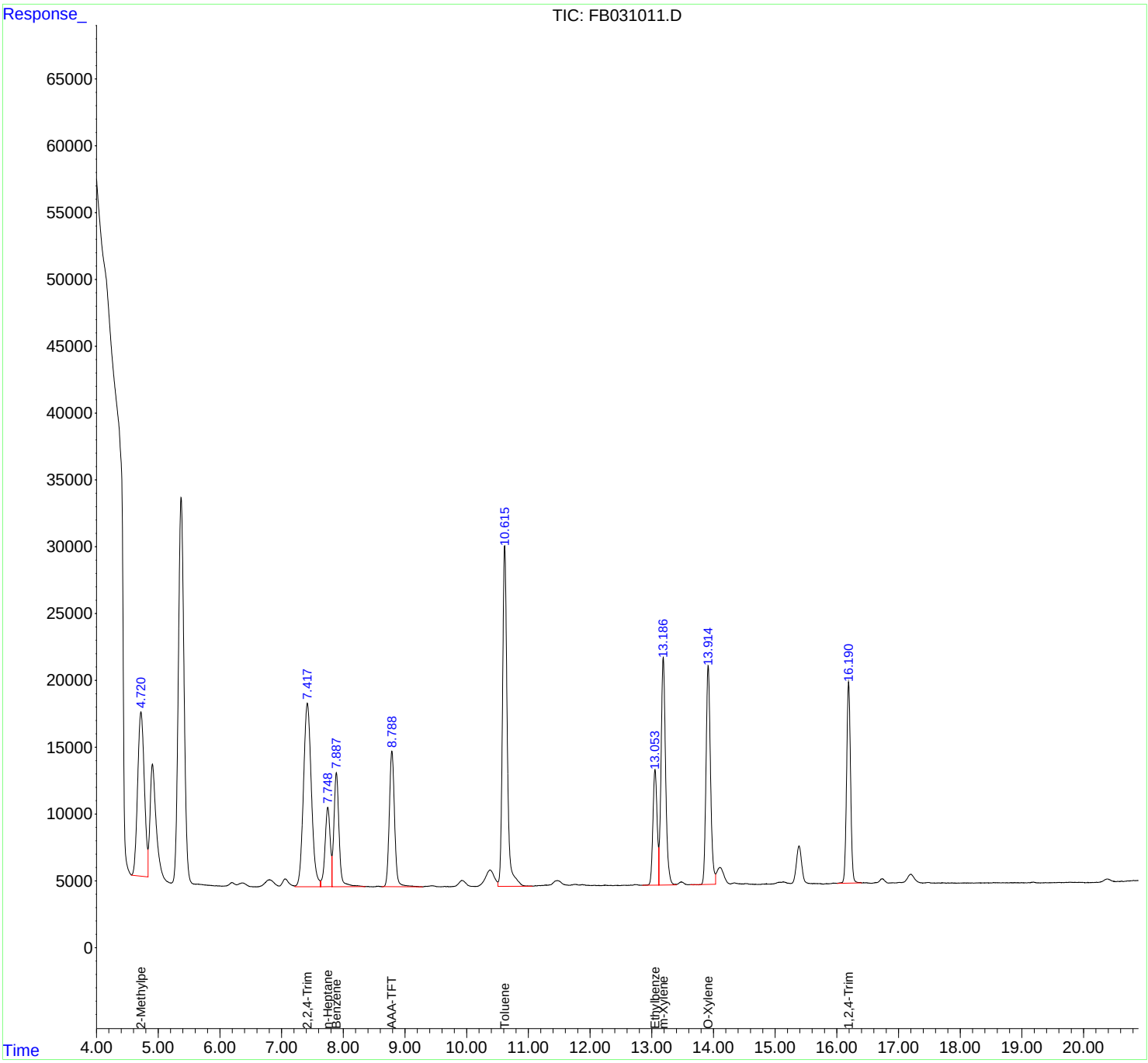
Integration File: Calibration.e
Quant Time: Oct 25 04:01:25 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB100424.M
Quant Title :
QLast Update : Fri Oct 04 11:53:51 2024
Response via : Initial Calibration
Integrator: ChemStation

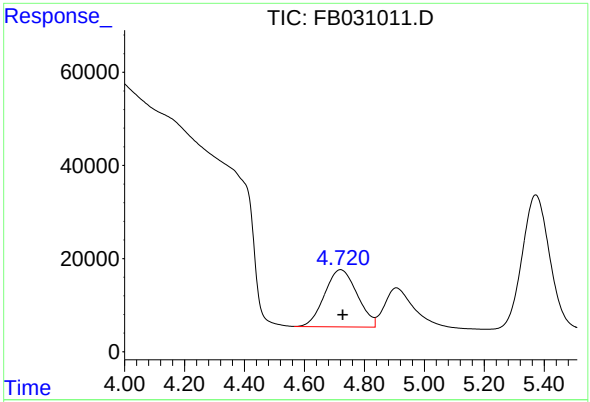
Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/25/2024
Supervised By :Ankita Jodhani 10/25/2024





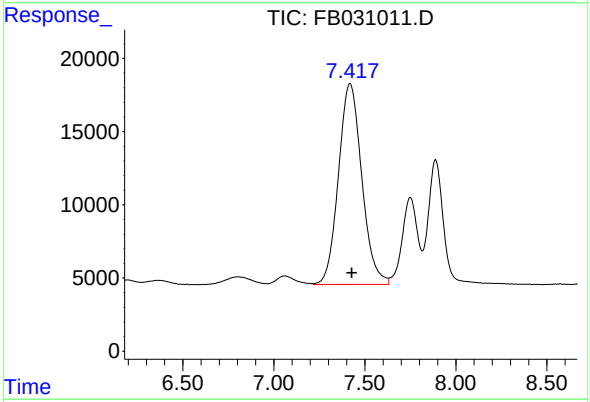
#1 2-Methylpentane

R.T.: 4.720 min
Delta R.T.: -0.008 min
Response: 927287
Conc: 25.70 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

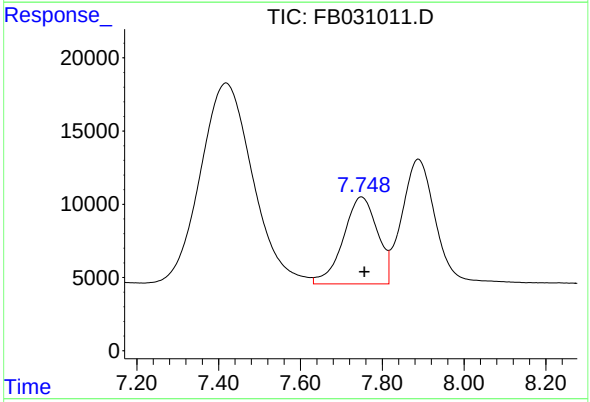
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/25/2024
Supervised By :Ankita Jodhani 10/25/2024



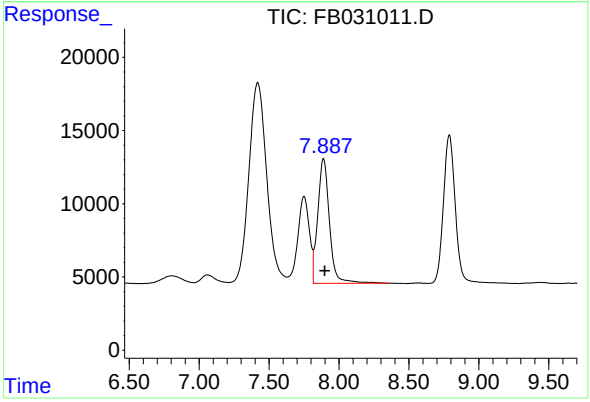
#2 2,2,4-Trimethylpentane

R.T.: 7.418 min
Delta R.T.: -0.009 min
Response: 1222425
Conc: 25.65 ng/ml



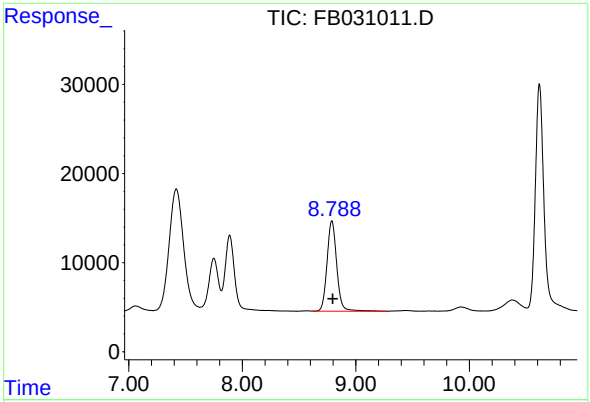
#3 n-Heptane

R.T.: 7.749 min
Delta R.T.: -0.007 min
Response: 344699
Conc: 7.64 ng/ml



#4 Benzene

R.T.: 7.889 min
Delta R.T.: -0.009 min
Response: 495887
Conc: 9.02 ng/ml



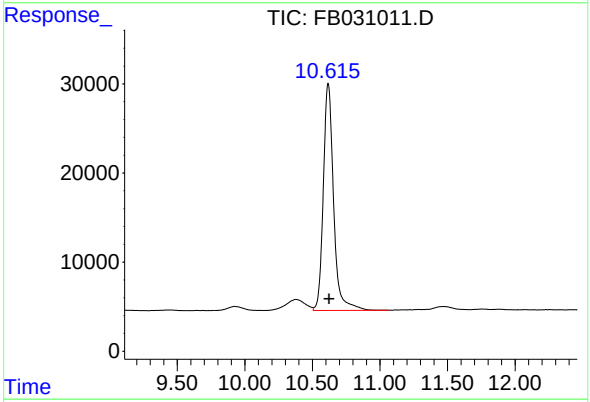
#5 AAA-TFT

R.T.: 8.789 min
Delta R.T.: -0.007 min
Response: 600198
Conc: 20.02 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

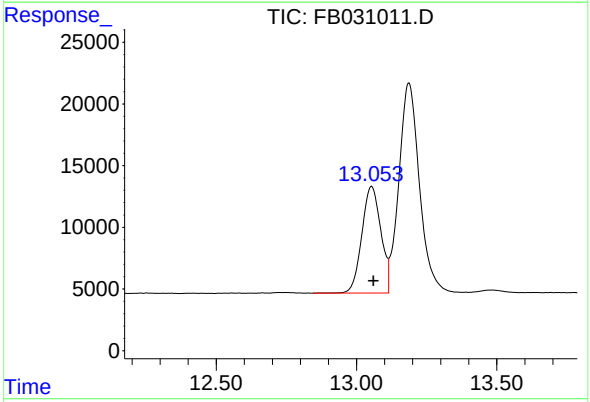
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/25/2024
Supervised By :Ankita Jodhani 10/25/2024



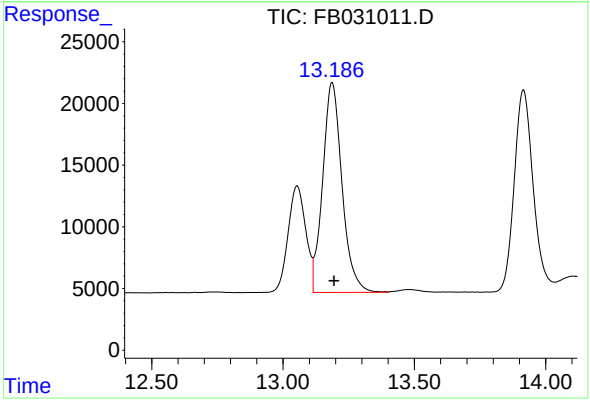
#6 Toluene

R.T.: 10.617 min
Delta R.T.: -0.008 min
Response: 1347109
Conc: 24.94 ng/ml



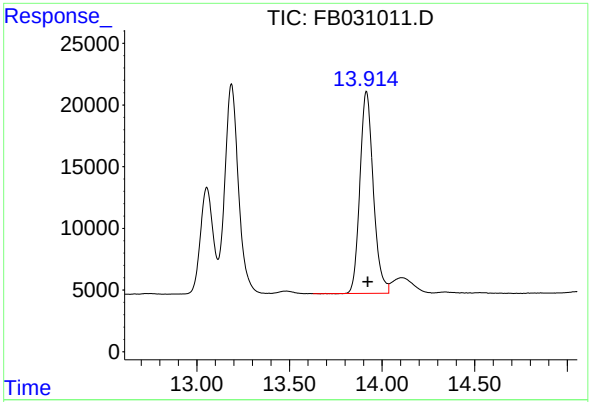
#7 Ethylbenzene

R.T.: 13.054 min
Delta R.T.: -0.007 min
Response: 406475
Conc: 8.58 ng/ml



#8 m-Xylene

R.T.: 13.187 min
Delta R.T.: -0.008 min
Response: 869994
Conc: 16.68 ng/ml



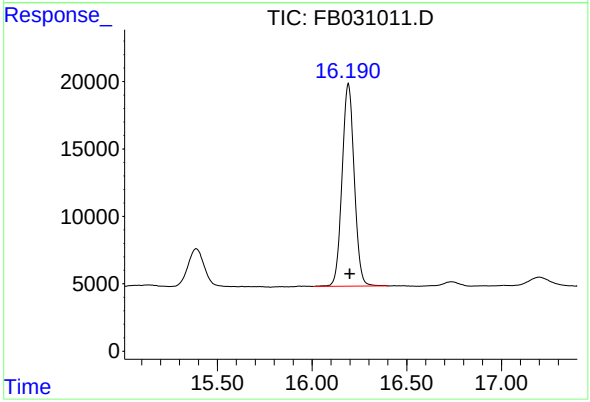
#9 O-Xylene

R.T.: 13.915 min
Delta R.T.: -0.007 min
Response: 822561
Conc: 16.91 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/25/2024
Supervised By :Ankita Jodhani 10/25/2024



#10 1,2,4-Trimethylbenzene

R.T.: 16.191 min
Delta R.T.: -0.007 min
Response: 671043
Conc: 20.48 ng/ml

Instrument :
FID_B
LabSampleId :
20 PPB GRO STD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/25/2024
Supervised By :Ankita Jodhani 10/25/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB10242
Data File : FB031011.D
Signal(s) : FID2B.CH
Acq On : 24 Oct 2024 8:53
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB100424.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.721	4.582	4.835	BV	11131	765271	56.81%	10.142%
2	7.418	7.217	7.631	VV	13736	1222425	90.74%	16.200%
3	7.749	7.631	7.816	VV	5944	344699	25.59%	4.568%
4	7.889	7.816	8.356	VB	8530	495887	36.81%	6.572%
5	8.789	8.623	9.288	BB	10152	600198	44.55%	7.954%
6	10.617	10.506	11.064	VV	25492	1347109	100.00%	17.853%
7	13.054	12.845	13.114	BV	8654	406475	30.17%	5.387%
8	13.187	13.114	13.402	VV	17028	869994	64.58%	11.530%
9	13.915	13.628	14.036	BV	16378	822561	61.06%	10.901%
10	16.191	16.005	16.404	PBA	15022	671043	49.81%	8.893%

Sum of corrected areas: 7545660

FB100424.M Fri Oct 25 06:33:49 2024

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

GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Chemtech Contract: CHEM02

ProjectID: NJ Soil PT

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG No.: P4495

DataFile: FB031022.D Analyst Name: YP/AJ Analyst Date: 10-24-2024

Conc. (PPB)	Area Count	RF	Average RF	%D
180	7561703	42009	45995	8.666

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB102424\
Data File : FB031022.D
Signal(s) : FID2B.CH
Acq On : 24 Oct 2024 14:13
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: Oct 25 04:02:31 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB100424.M
Quant Title :
QLast Update : Fri Oct 04 11:53:51 2024
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	603210	20.122	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.722	874541	24.236	ng/ml
2) t	2,2,4-Trimethylpentane	7.426	1163377	24.413	ng/ml
3) t	n-Heptane	7.756	345760	7.666	ng/ml
4) t	Benzene	7.895	456268	8.301	ng/ml
6) t	Toluene	10.624	1401447	25.943	ng/ml
7) t	Ethylbenzene	13.060	433500	9.146	ng/ml
8) t	m-Xylene	13.194	1037041	19.879	ng/ml
9) t	O-Xylene	13.922	875622	18.000	ng/ml
10) t	1,2,4-Trimethylbenzene	16.198	974147	29.729	ng/ml

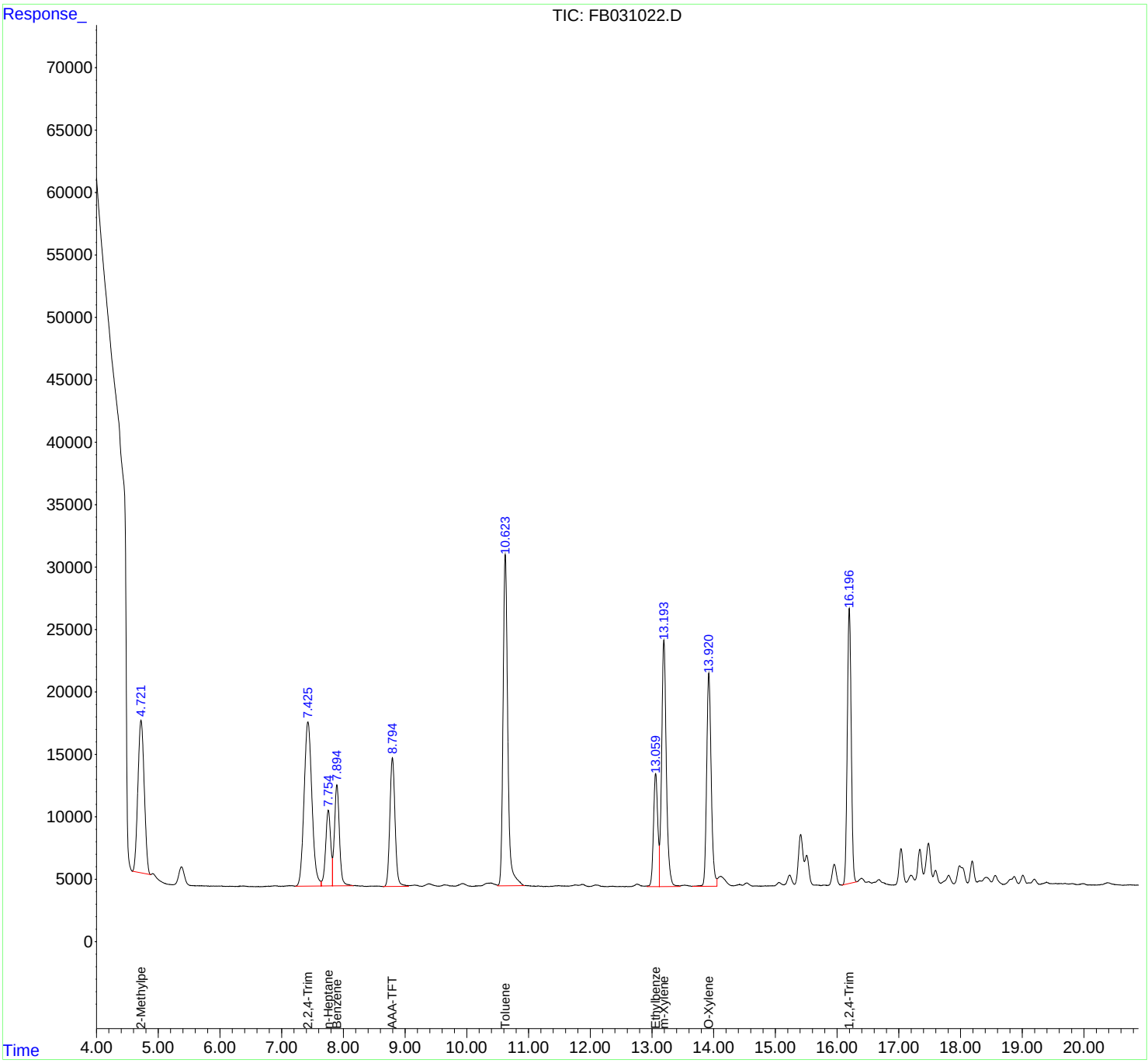
(f)=RT Delta > 1/2 Window (m)=manual int.

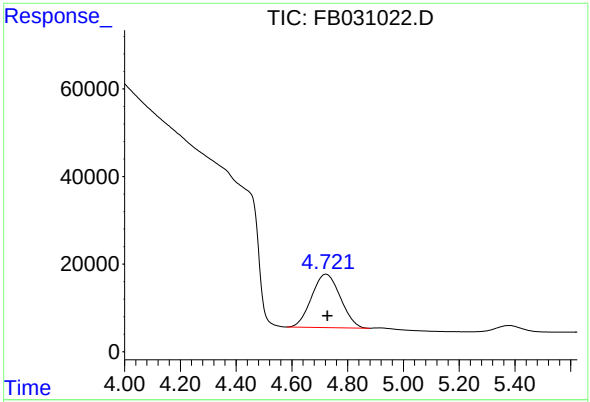
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB102424\
Data File : FB031022.D
Signal(s) : FID2B.CH
Acq On : 24 Oct 2024 14:13
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Oct 25 04:02:31 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB100424.M
Quant Title :
QLast Update : Fri Oct 04 11:53:51 2024
Response via : Initial Calibration
Integrator: ChemStation

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

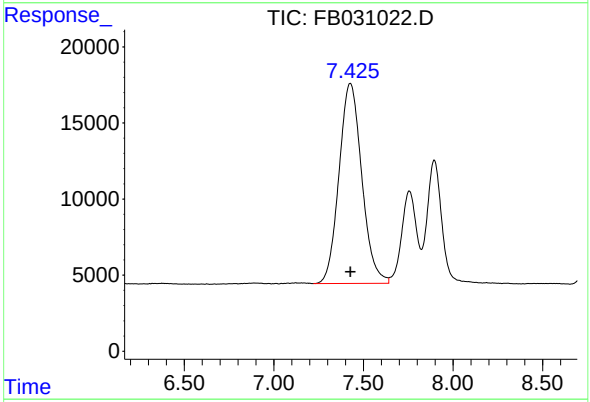




#1 2-Methylpentane

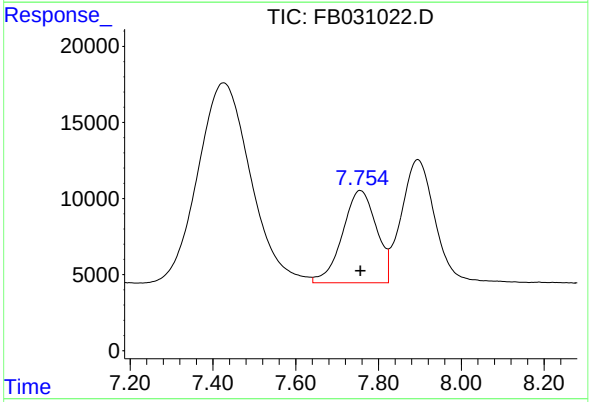
R.T.: 4.722 min
Delta R.T.: -0.006 min
Response: 874541
Conc: 24.24 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



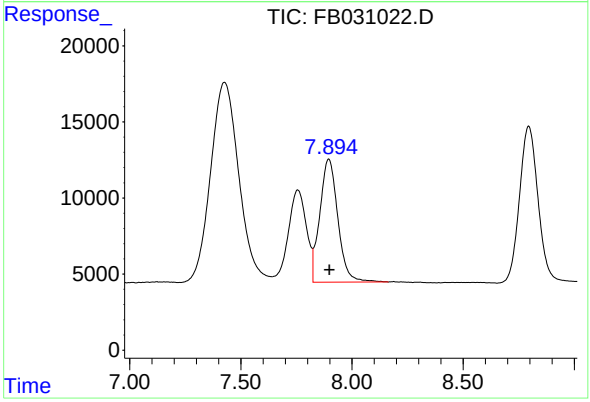
#2 2,2,4-Trimethylpentane

R.T.: 7.426 min
Delta R.T.: -0.001 min
Response: 1163377
Conc: 24.41 ng/ml



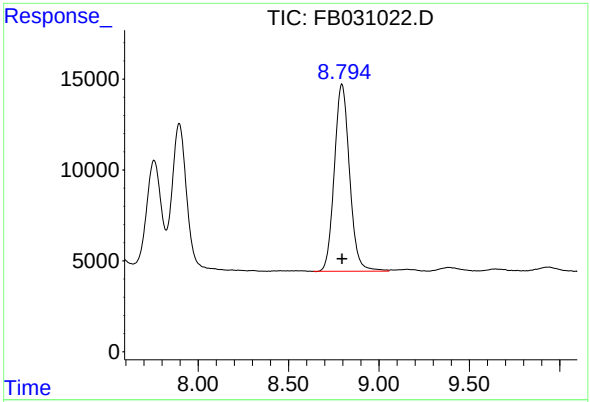
#3 n-Heptane

R.T.: 7.756 min
Delta R.T.: -0.001 min
Response: 345760
Conc: 7.67 ng/ml



#4 Benzene

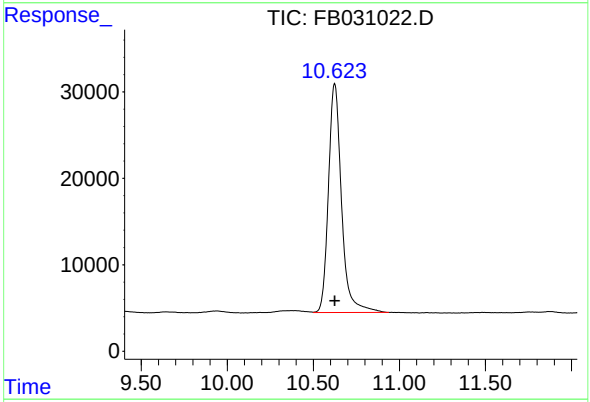
R.T.: 7.895 min
Delta R.T.: -0.002 min
Response: 456268
Conc: 8.30 ng/ml



#5 AAA-TFT

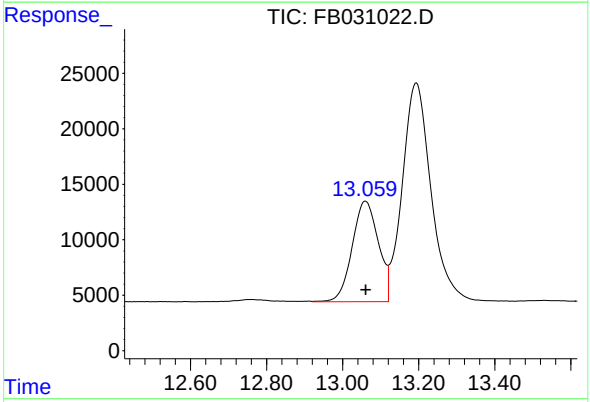
R.T.: 8.795 min
Delta R.T.: 0.000 min
Response: 603210
Conc: 20.12 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



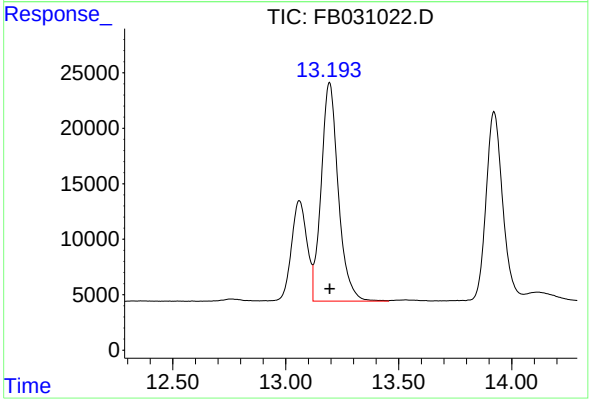
#6 Toluene

R.T.: 10.624 min
Delta R.T.: 0.000 min
Response: 1401447
Conc: 25.94 ng/ml



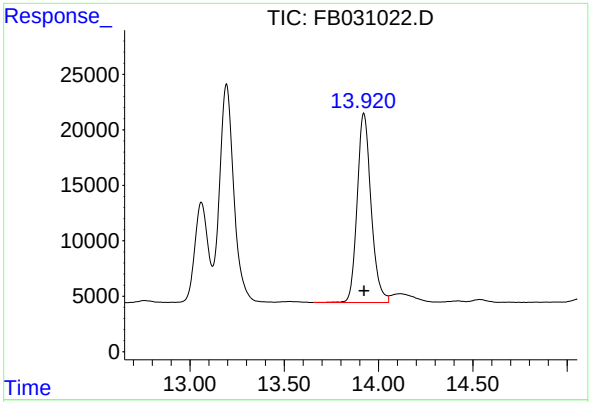
#7 Ethylbenzene

R.T.: 13.060 min
Delta R.T.: 0.000 min
Response: 433500
Conc: 9.15 ng/ml



#8 m-Xylene

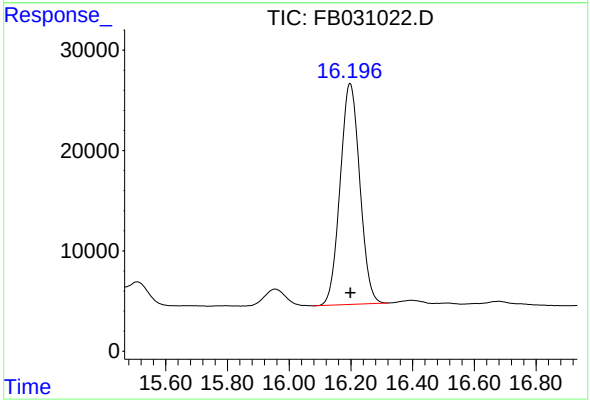
R.T.: 13.194 min
Delta R.T.: 0.000 min
Response: 1037041
Conc: 19.88 ng/ml



#9 O-Xylene

R.T.: 13.922 min
Delta R.T.: 0.000 min
Response: 875622
Conc: 18.00 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



#10 1,2,4-Trimethylbenzene

R.T.: 16.198 min
Delta R.T.: 0.000 min
Response: 974147
Conc: 29.73 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB102424\
Data File : FB031022.D
Signal(s) : FID2B.CH
Acq On : 24 Oct 2024 14:13
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB100424.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.722	4.582	4.880	BV	12226	874541	62.40%	10.711%
2	7.426	7.219	7.641	PV	13152	1163377	83.01%	14.248%
3	7.756	7.641	7.824	VV	6072	345760	24.67%	4.235%
4	7.895	7.824	8.164	VV	8093	456268	32.56%	5.588%
5	8.795	8.637	9.055	BV	10307	603210	43.04%	7.388%
6	10.624	10.500	10.939	VV	26512	1401447	100.00%	17.164%
7	13.060	12.921	13.120	VV	9061	433500	30.93%	5.309%
8	13.194	13.120	13.455	VV	19721	1037041	74.00%	12.701%
9	13.922	13.653	14.053	VV	17061	875622	62.48%	10.724%
10	16.198	16.077	16.322	PV	22021	974147	69.51%	11.931%

Sum of corrected areas: 8164913

FB100424.M Fri Oct 25 06:36:44 2024

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

Analytical Sequence

Client: Chemtech Consulting Group **SDG No.:** P4495

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 **8.7964**

EPA SAMPLE NO.	LAB SAMPLE ID	DATE AND TIME ANALYZED	DATAFILE	RT	#
20 PPB GRO STD	20 PPB GRO STD	24 Oct 2024 8:53	FB031011.D	8.789	
VBF1024S2	VBF1024S2	24 Oct 2024 10:00	FB031013.D	8.796	
BSF1024S1	BSF1024S1	24 Oct 2024 10:27	FB031014.D	8.795	
PT-GAS-SOIL	P4495-15	24 Oct 2024 12:53	FB031019.D	8.820	
BSF1024S2	BSF1024S2	24 Oct 2024 13:47	FB031021.D	8.796	
20 PPB GRO STD	20 PPB GRO STD	24 Oct 2024 14:13	FB031022.D	8.795	

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

QC Limits	Lower Limit	Upper Limits
(± 0.10 minutes)	8.6964	8.8964

QC SAMPLE DATA

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Soil PT	Date Received:	
Client Sample ID:	VBF1024S2	SDG No.:	P4495
Lab Sample ID:	VBF1024S2	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
FB031013.D	50	10/24/24 10:00	FB102424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	386	U	386	2250	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	18.1		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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB102424\
Data File : FB031013.D
Signal(s) : FID2B.CH
Acq On : 24 Oct 2024 10:00
Operator : YP/AJ
Sample : VBF1024S2 50X
Misc : 5.00G/5.00 ML MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF1024S2

Integration File: Calibration.e
Quant Time: Oct 25 04:01:38 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB100424.M
Quant Title :
QLast Update : Fri Oct 04 11:53:51 2024
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	544169	18.153 ng/ml
Target Compounds			

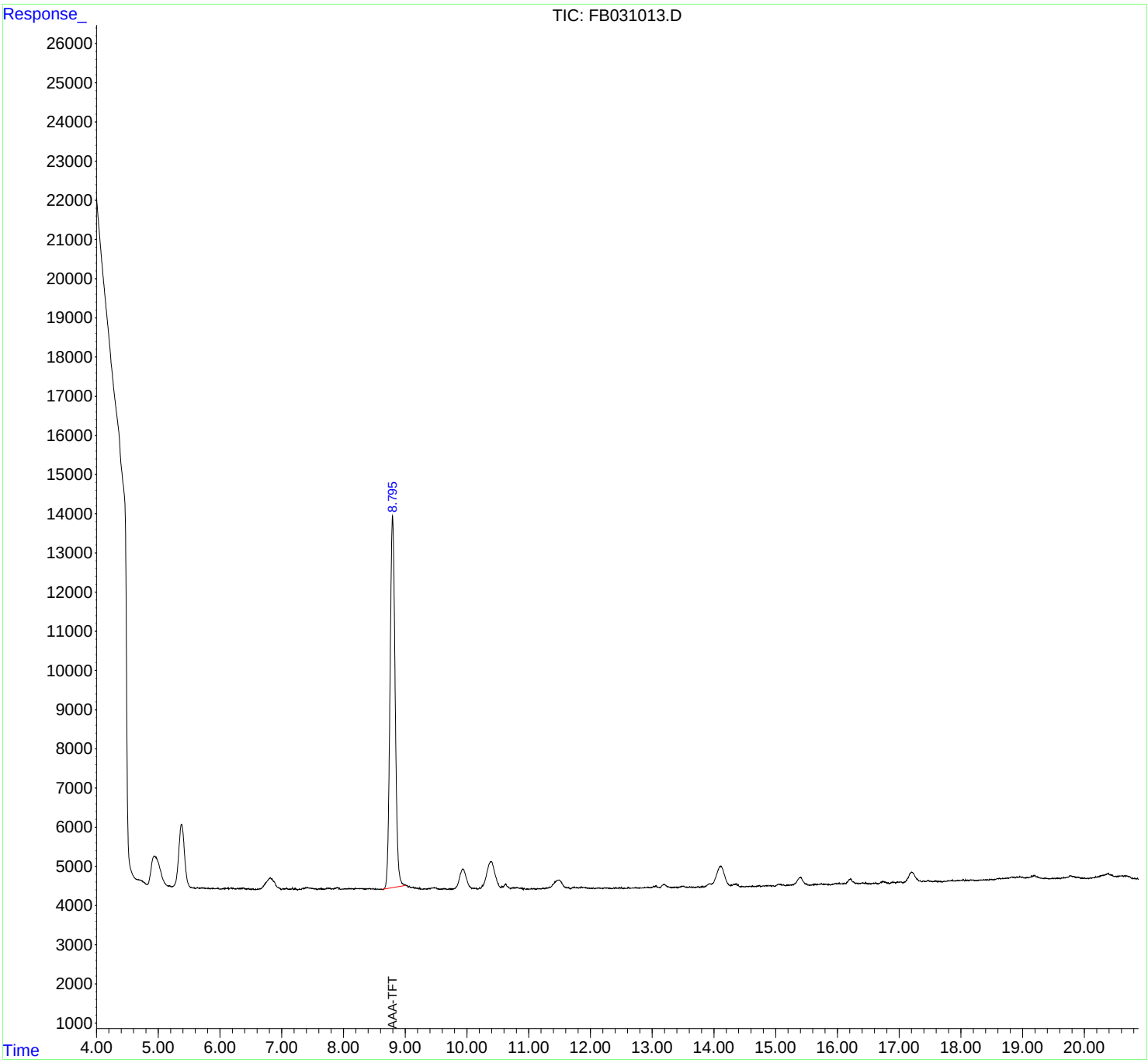
(f)=RT Delta > 1/2 Window (m)=manual int.

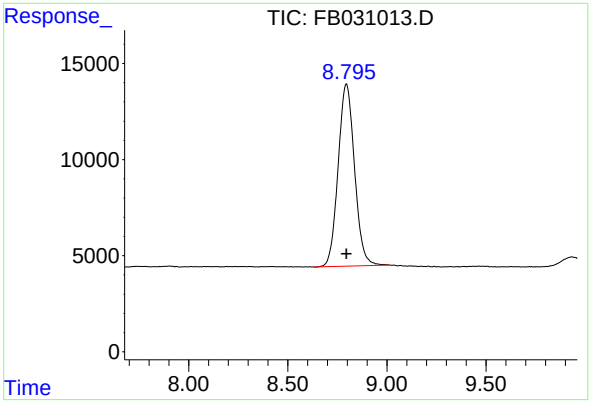
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB102424\
Data File : FB031013.D
Signal(s) : FID2B.CH
Acq On : 24 Oct 2024 10:00
Operator : YP/AJ
Sample : VBF1024S2 50X
Misc : 5.00G/5.00 ML MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF1024S2

Integration File: Calibration.e
Quant Time: Oct 25 04:01:38 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB100424.M
Quant Title :
QLast Update : Fri Oct 04 11:53:51 2024
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.: 8.796 min
Delta R.T.: 0.000 min
Response: 544169
Conc: 18.15 ng/ml

Instrument :
FID_B
ClientSampleId :
VBF1024S2

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB102424\
Data File : FB031013.D
Signal(s) : FID2B.CH
Acq On : 24 Oct 2024 10:00
Sample : VBF1024S2 50X
Misc : 5.00G/5.00 ML MEOH
ALS Vial : 3 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB100424.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	8.796	8.629	9.010	BV	9485	544169	100.00%	100.000%

Sum of corrected areas: 544169

FB100424.M Fri Oct 25 06:34:17 2024

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Soil PT	Date Received:	
Client Sample ID:	BSF1024S1	SDG No.:	P4495
Lab Sample ID:	BSF1024S1	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
FB031014.D	1	10/24/24 10:27	FB102424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	165		8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	17.9		50 - 150	89%	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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB102424\
Data File : FB031014.D
Signal(s) : FID2B.CH
Acq On : 24 Oct 2024 10:27
Operator : YP/AJ
Sample : BSF1024S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF1024S1

Integration File: Calibration.e
Quant Time: Oct 25 04:01:43 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB100424.M
Quant Title :
QLast Update : Fri Oct 04 11:53:51 2024
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	536309	17.890	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.723	1004543	27.838	ng/ml
2) t	2,2,4-Trimethylpentane	7.428	1321043	27.722	ng/ml
3) t	n-Heptane	7.756	390749	8.663	ng/ml
4) t	Benzene	7.896	511559	9.307	ng/ml
6) t	Toluene	10.623	1455395	26.942	ng/ml
7) t	Ethylbenzene	13.060	432416	9.123	ng/ml
8) t	m-Xylene	13.194	929014	17.808	ng/ml
9) t	O-Xylene	13.922	870185	17.888	ng/ml
10) t	1,2,4-Trimethylbenzene	16.198	670215	20.453	ng/ml

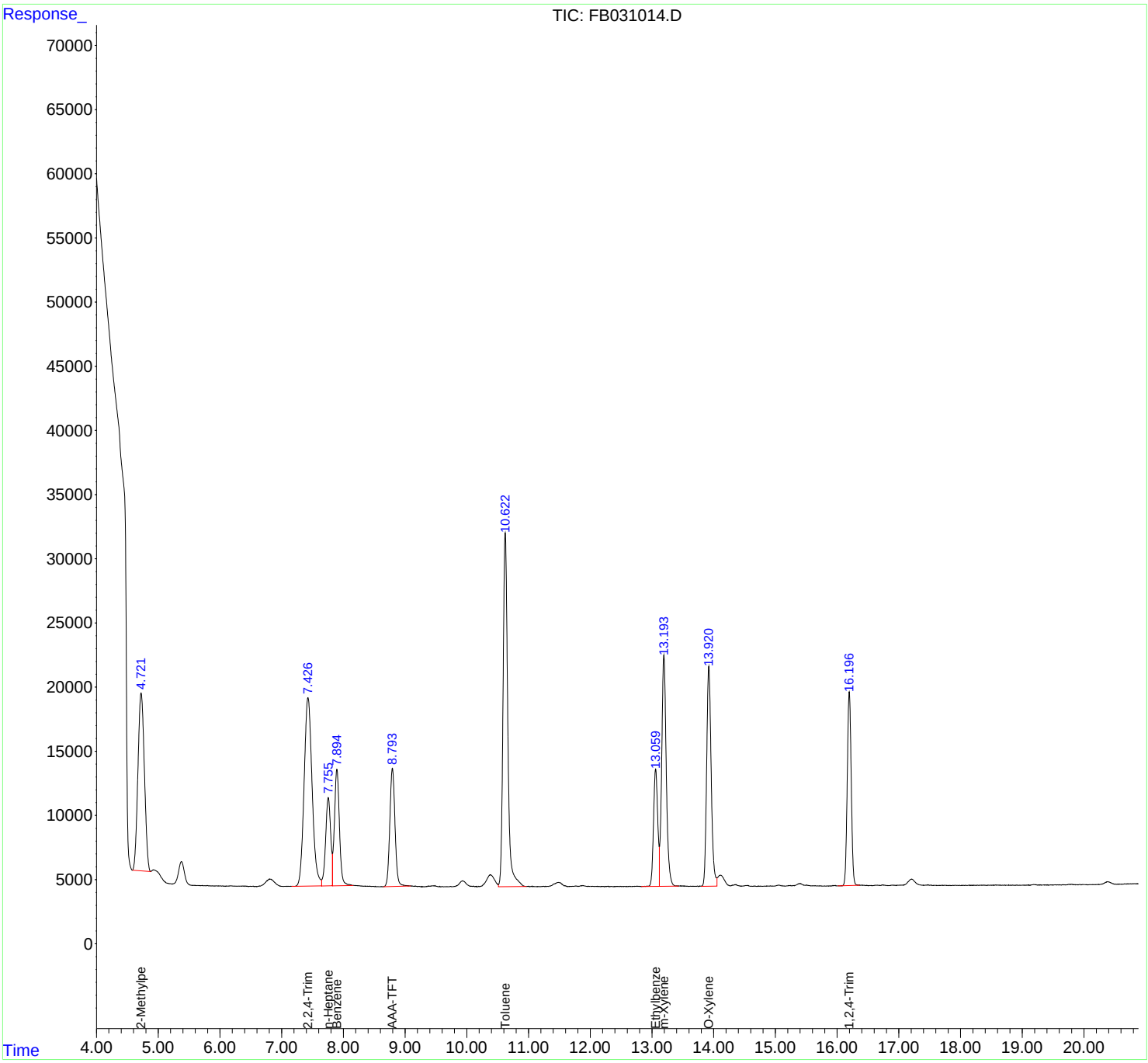
(f)=RT Delta > 1/2 Window (m)=manual int.

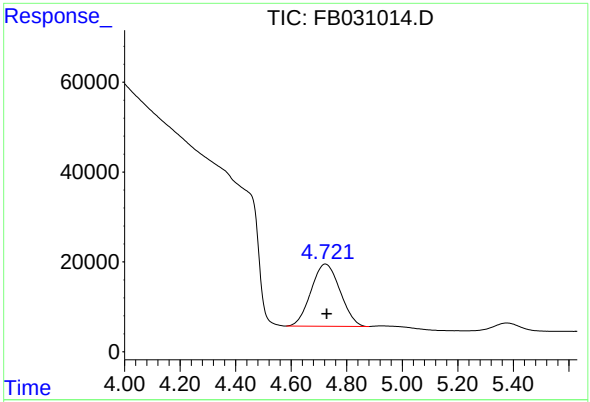
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB102424\
Data File : FB031014.D
Signal(s) : FID2B.CH
Acq On : 24 Oct 2024 10:27
Operator : YP/AJ
Sample : BSF1024S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF1024S1

Integration File: Calibration.e
Quant Time: Oct 25 04:01:43 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB100424.M
Quant Title :
QLast Update : Fri Oct 04 11:53:51 2024
Response via : Initial Calibration
Integrator: ChemStation

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

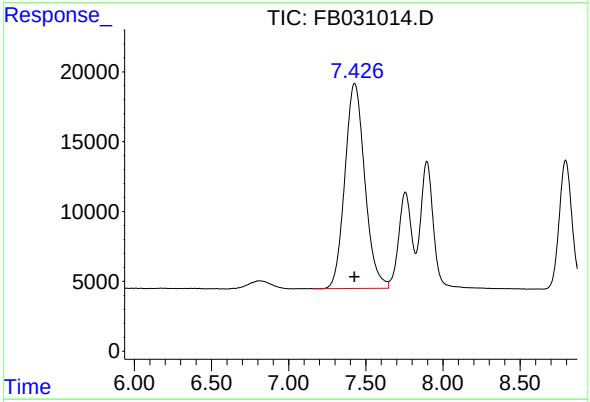




#1 2-Methylpentane

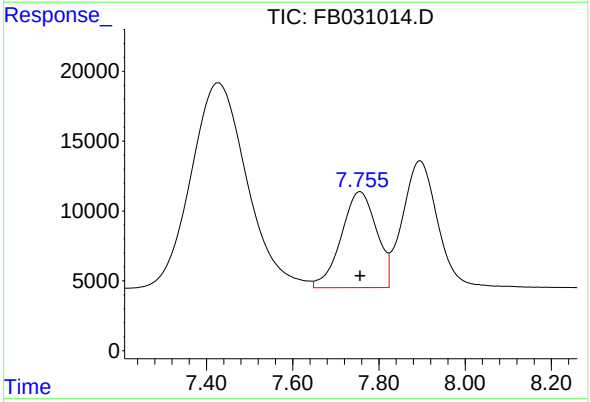
R.T.: 4.723 min
Delta R.T.: -0.005 min
Response: 1004543
Conc: 27.84 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF1024S1



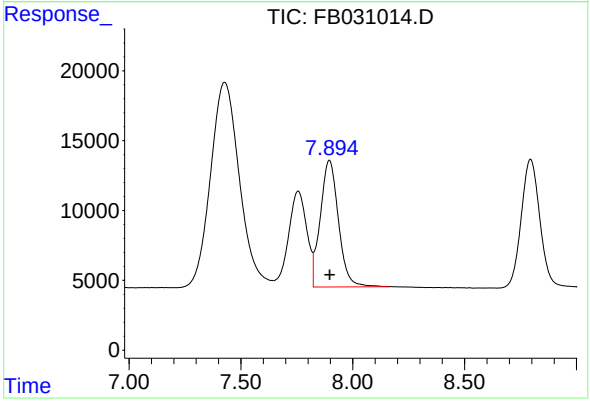
#2 2,2,4-Trimethylpentane

R.T.: 7.428 min
Delta R.T.: 0.000 min
Response: 1321043
Conc: 27.72 ng/ml



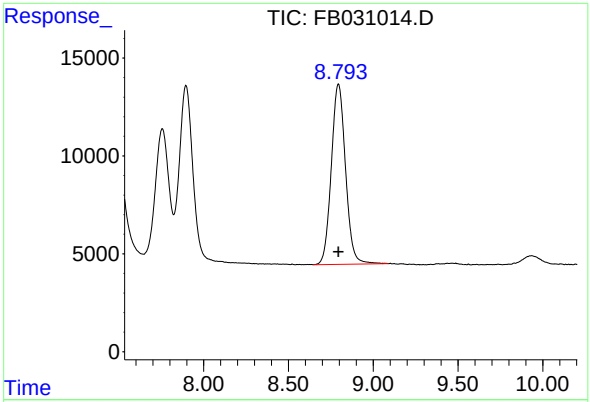
#3 n-Heptane

R.T.: 7.756 min
Delta R.T.: 0.000 min
Response: 390749
Conc: 8.66 ng/ml



#4 Benzene

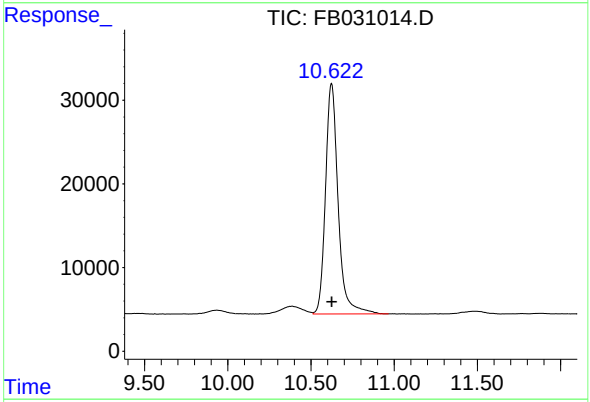
R.T.: 7.896 min
Delta R.T.: -0.002 min
Response: 511559
Conc: 9.31 ng/ml



#5 AAA-TFT

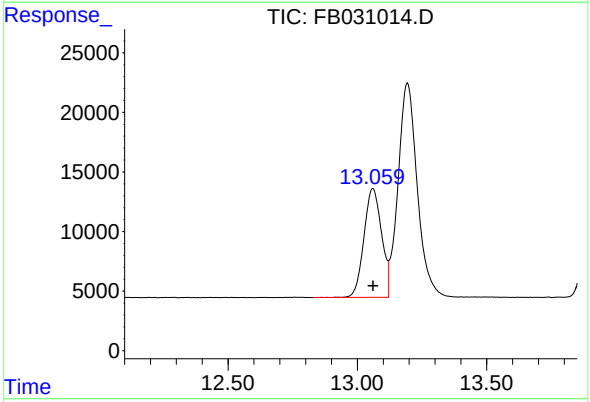
R.T.: 8.795 min
Delta R.T.: 0.000 min
Response: 536309
Conc: 17.89 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF1024S1



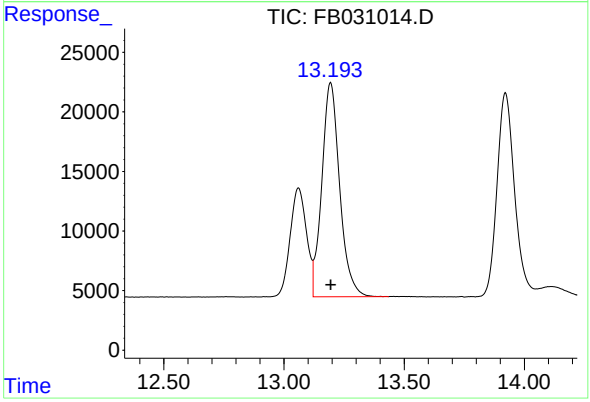
#6 Toluene

R.T.: 10.623 min
Delta R.T.: -0.001 min
Response: 1455395
Conc: 26.94 ng/ml



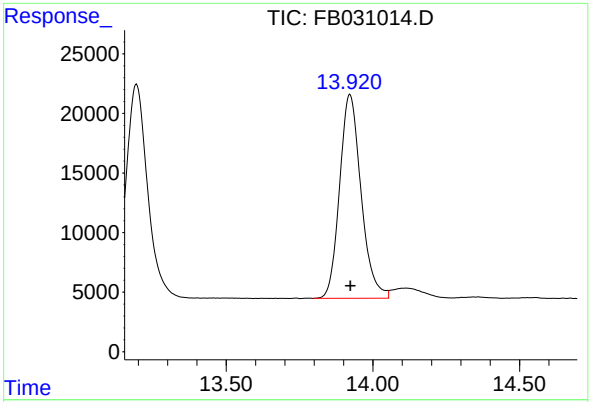
#7 Ethylbenzene

R.T.: 13.060 min
Delta R.T.: 0.000 min
Response: 432416
Conc: 9.12 ng/ml



#8 m-Xylene

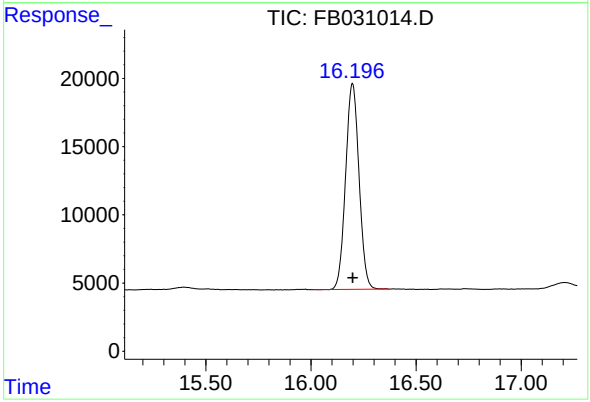
R.T.: 13.194 min
Delta R.T.: -0.001 min
Response: 929014
Conc: 17.81 ng/ml



#9 O-Xylene

R.T.: 13.922 min
Delta R.T.: -0.001 min
Response: 870185
Conc: 17.89 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF1024S1



#10 1,2,4-Trimethylbenzene

R.T.: 16.198 min
Delta R.T.: 0.000 min
Response: 670215
Conc: 20.45 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB102424\
Data File : FB031014.D
Signal(s) : FID2B.CH
Acq On : 24 Oct 2024 10:27
Sample : BSF1024S1
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\FB100424.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.723	4.582	4.881	BV	13867	1004543	69.02%	12.369%
2	7.428	7.159	7.648	VV	14687	1321043	90.77%	16.266%
3	7.756	7.648	7.824	VV	6877	390749	26.85%	4.811%
4	7.896	7.824	8.161	VV	9077	511559	35.15%	6.299%
5	8.795	8.645	9.091	PV	9216	536309	36.85%	6.604%
6	10.623	10.513	10.967	VV	27570	1455395	100.00%	17.920%
7	13.060	12.829	13.121	BV	9148	432416	29.71%	5.324%
8	13.194	13.121	13.436	VV	17990	929014	63.83%	11.439%
9	13.922	13.796	14.053	PV	17121	870185	59.79%	10.715%
10	16.198	16.010	16.369	BV	15101	670215	46.05%	8.252%

Sum of corrected areas: 8121428

FB100424.M Fri Oct 25 06:34:33 2024

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Soil PT	Date Received:	
Client Sample ID:	BSF1024S2	SDG No.:	P4495
Lab Sample ID:	BSF1024S2	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
FB031021.D	1	10/24/24 13:47	FB102424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	170		8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	16.8		50 - 150	84%	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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB102424\
Data File : FB031021.D
Signal(s) : FID2B.CH
Acq On : 24 Oct 2024 13:47
Operator : YP/AJ
Sample : BSF1024S2
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF1024S2

Integration File: Calibration.e
Quant Time: Oct 25 04:02:25 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB100424.M
Quant Title :
QLast Update : Fri Oct 04 11:53:51 2024
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	504884	16.842	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.723	868021	24.055	ng/ml
2) t	2,2,4-Trimethylpentane	7.427	1151488	24.164	ng/ml
3) t	n-Heptane	7.757	339408	7.525	ng/ml
4) t	Benzene	7.896	455270	8.283	ng/ml
6) t	Toluene	10.625	1473269	27.273	ng/ml
7) t	Ethylbenzene	13.061	450260	9.499	ng/ml
8) t	m-Xylene	13.194	1110863	21.294	ng/ml
9) t	O-Xylene	13.923	907058	18.646	ng/ml
10) t	1,2,4-Trimethylbenzene	16.198	1086377	33.153	ng/ml

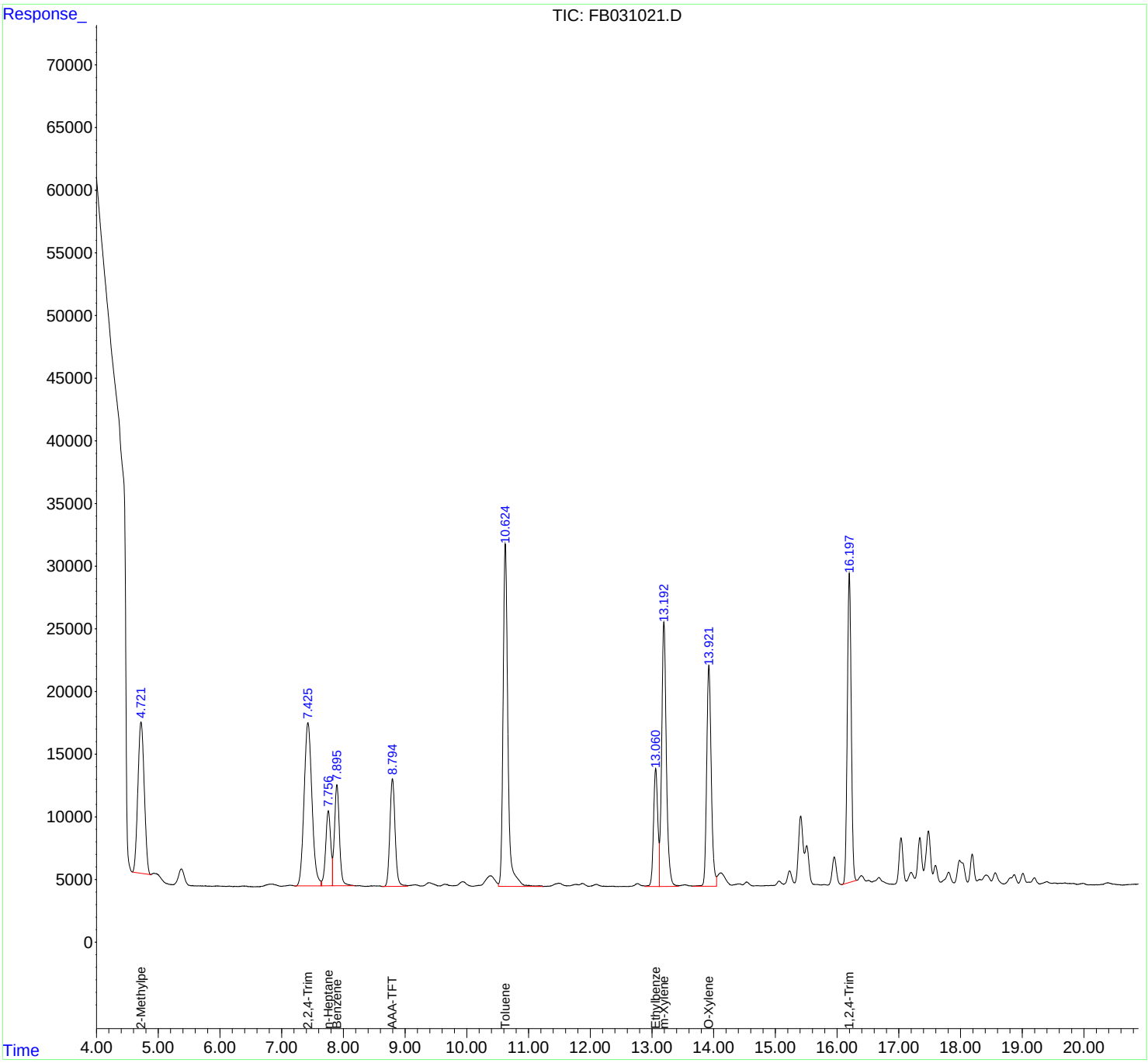
(f)=RT Delta > 1/2 Window (m)=manual int.

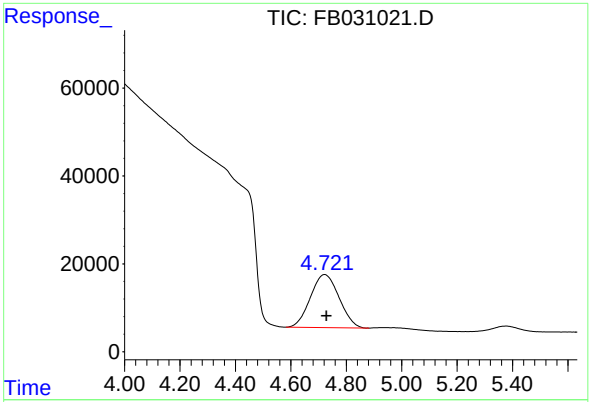
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB102424\
Data File : FB031021.D
Signal(s) : FID2B.CH
Acq On : 24 Oct 2024 13:47
Operator : YP/AJ
Sample : BSF1024S2
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF1024S2

Integration File: Calibration.e
Quant Time: Oct 25 04:02:25 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB100424.M
Quant Title :
QLast Update : Fri Oct 04 11:53:51 2024
Response via : Initial Calibration
Integrator: ChemStation

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

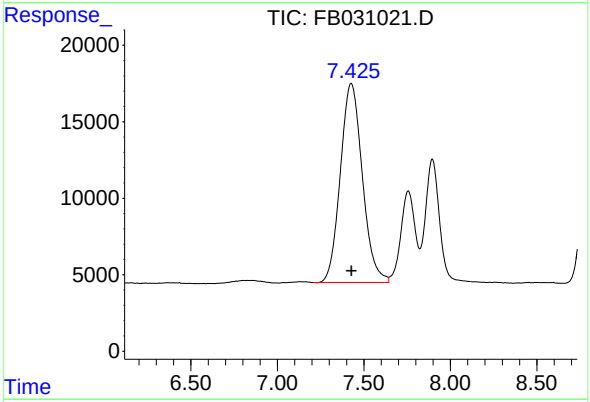




#1 2-Methylpentane

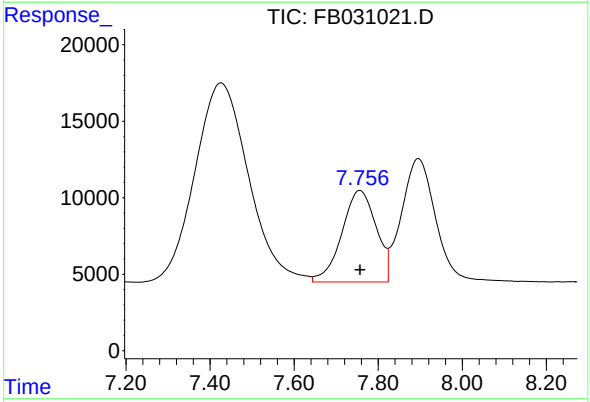
R.T.: 4.723 min
Delta R.T.: -0.005 min
Response: 868021
Conc: 24.06 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF1024S2



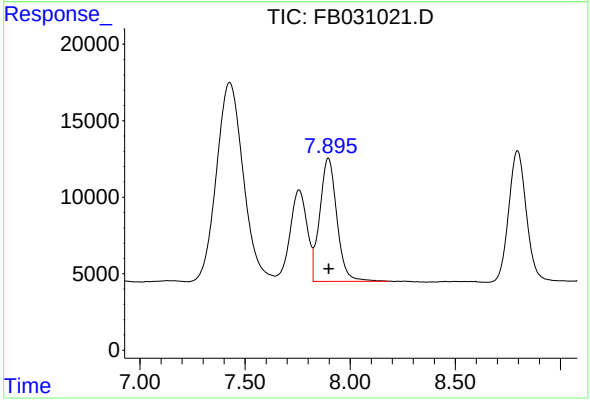
#2 2,2,4-Trimethylpentane

R.T.: 7.427 min
Delta R.T.: -0.001 min
Response: 1151488
Conc: 24.16 ng/ml



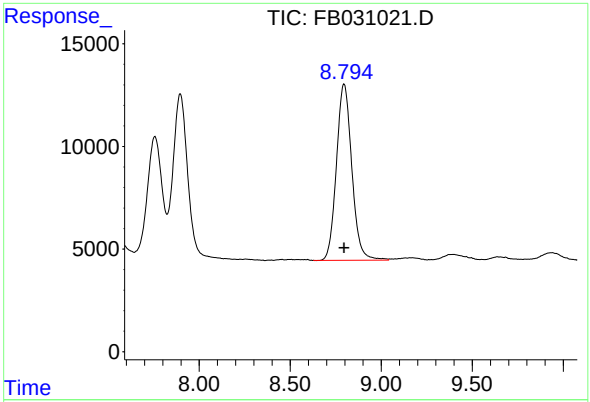
#3 n-Heptane

R.T.: 7.757 min
Delta R.T.: 0.000 min
Response: 339408
Conc: 7.52 ng/ml



#4 Benzene

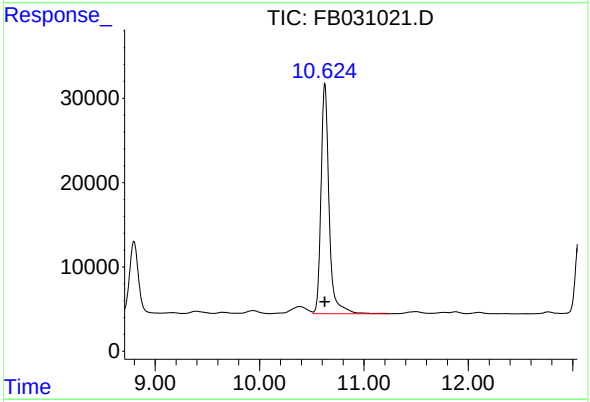
R.T.: 7.896 min
Delta R.T.: -0.002 min
Response: 455270
Conc: 8.28 ng/ml



#5 AAA-TFT

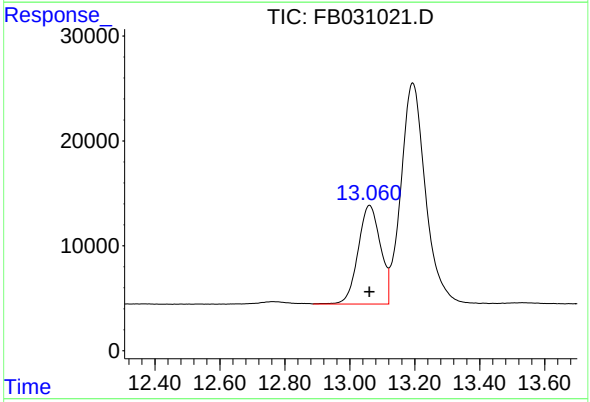
R.T.: 8.796 min
Delta R.T.: 0.000 min
Response: 504884
Conc: 16.84 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF1024S2



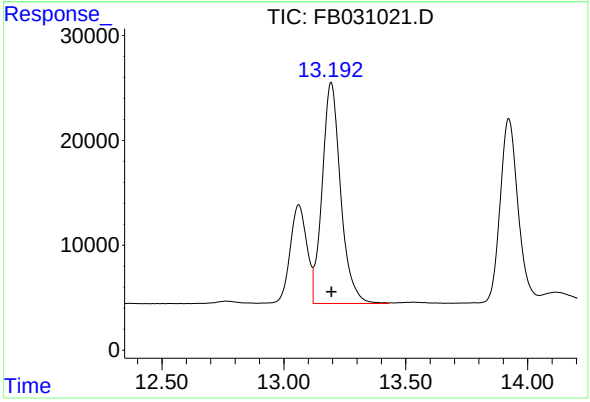
#6 Toluene

R.T.: 10.625 min
Delta R.T.: 0.000 min
Response: 1473269
Conc: 27.27 ng/ml



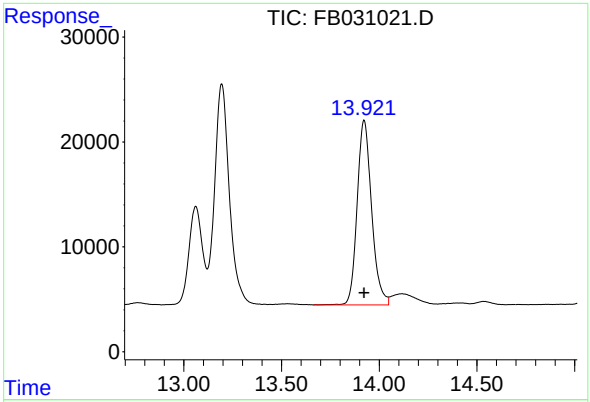
#7 Ethylbenzene

R.T.: 13.061 min
Delta R.T.: 0.000 min
Response: 450260
Conc: 9.50 ng/ml



#8 m-Xylene

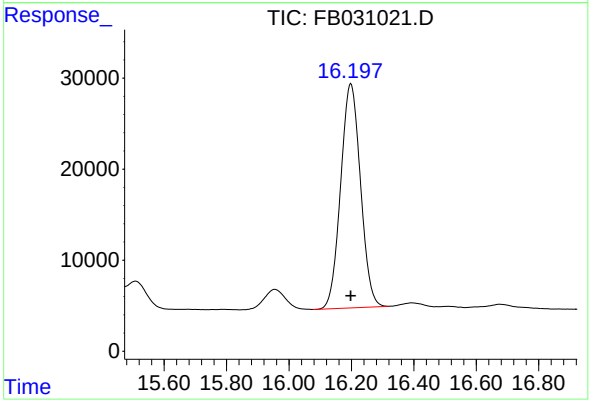
R.T.: 13.194 min
Delta R.T.: 0.000 min
Response: 1110863
Conc: 21.29 ng/ml



#9 O-Xylene

R.T.: 13.923 min
Delta R.T.: 0.000 min
Response: 907058
Conc: 18.65 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF1024S2



#10 1,2,4-Trimethylbenzene

R.T.: 16.198 min
Delta R.T.: 0.000 min
Response: 1086377
Conc: 33.15 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB102424\
Data File : FB031021.D
Signal(s) : FID2B.CH
Acq On : 24 Oct 2024 13:47
Sample : BSF1024S2
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\FB100424.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.723	4.582	4.883	BV	12083	868021	58.92%	10.399%
2	7.427	7.206	7.644	BV	13019	1151488	78.16%	13.795%
3	7.757	7.644	7.824	VV	5993	339408	23.04%	4.066%
4	7.896	7.824	8.183	VV	8072	455270	30.90%	5.454%
5	8.796	8.626	9.041	BV	8593	504884	34.27%	6.049%
6	10.625	10.513	11.237	VB	27311	1473269	100.00%	17.650%
7	13.061	12.887	13.120	VV	9422	450260	30.56%	5.394%
8	13.194	13.120	13.430	VV	21086	1110863	75.40%	13.309%
9	13.923	13.661	14.048	VV	17631	907058	61.57%	10.867%
10	16.198	16.077	16.319	PV	24637	1086377	73.74%	13.015%

Sum of corrected areas: 8346897

FB100424.M Fri Oct 25 06:36:22 2024

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

Manual Integration Report

Sample ID	ClientId ID	File ID	Sequence ID	Parameter	Supervised By	Supervised On	Reason
P4273-01MS		FB030977.D	FB100424	2-Methylpentane	Ankita	10/7/2024 9:22:19 AM	Peak Integrated by Software incorrectly
P4273-01MSD		FB030978.D	FB100424	2-Methylpentane	Ankita	10/7/2024 9:22:21 AM	Peak Integrated by Software incorrectly

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

Manual Integration Report

Sample ID	ClientId ID	File ID	Sequence ID	Parameter	Supervised By	Supervised On	Reason
20 PPB GRO STD		FB031011.D	FB102424	2-Methylpentane	Ankita	10/25/2024 11:45:21 AM	Peak Integrated by Software incorrectly
P4495-15		FB031015.D	FB102424	2,2,4-Trimethylpentane	Ankita	10/25/2024 11:45:25 AM	Peak Integrated by Software incorrectly
P4495-15		FB031015.D	FB102424	2-Methylpentane	Ankita	10/25/2024 11:45:25 AM	Peak Integrated by Software incorrectly
P4495-15		FB031015.D	FB102424	AAA-TFT	Ankita	10/25/2024 11:45:25 AM	Peak Integrated by Software incorrectly
P4495-15		FB031015.D	FB102424	Ethylbenzene	Ankita	10/25/2024 11:45:25 AM	Peak Integrated by Software incorrectly
P4495-15		FB031015.D	FB102424	m-Xylene	Ankita	10/25/2024 11:45:25 AM	Peak Integrated by Software incorrectly
P4495-15		FB031015.D	FB102424	n-Heptane	Ankita	10/25/2024 11:45:25 AM	Peak Integrated by Software incorrectly
P4495-15		FB031015.D	FB102424	Toluene	Ankita	10/25/2024 11:45:25 AM	Peak Integrated by Software incorrectly
P4495-15		FB031019.D	FB102424	2-Methylpentane	Ankita	10/25/2024 11:45:55 AM	Peak Integrated by Software incorrectly
P4495-15		FB031020.D	FB102424	2-Methylpentane	Ankita	10/25/2024 11:45:57 AM	Peak Integrated by Software incorrectly
P4518-01		FB031023.D	FB102424	AAA-TFT	Ankita	10/25/2024 11:45:58 AM	Peak Integrated by Software incorrectly
P4518-02		FB031024.D	FB102424	AAA-TFT	Ankita	10/25/2024 11:46:00 AM	Peak Integrated by Software incorrectly
P4518-04		FB031026.D	FB102424	AAA-TFT	Ankita	10/25/2024 11:46:02 AM	Peak Integrated by Software incorrectly
P4509-01		FB031028.D	FB102424	AAA-TFT	Ankita	10/25/2024 11:46:03 AM	Peak Integrated by Software incorrectly
P4509-01		FB031029.D	FB102424	AAA-TFT	Ankita	10/25/2024 11:46:05 AM	Peak Integrated by Software incorrectly
P4509-01MS		FB031031.D	FB102424	2-Methylpentane	Ankita	10/25/2024 11:46:06 AM	Peak Integrated by Software incorrectly
P4509-01MSD		FB031032.D	FB102424	2-Methylpentane	Ankita	10/25/2024 11:46:08 AM	Peak Integrated by Software incorrectly

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

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QCBatch ID # FB100424

Review By	yogesh	Review On	10/4/2024 12:14:29 PM		
Supervise By	Ankita	Supervise On	10/7/2024 9:22:26 AM		
SubDirectory	FB100424	HP Acquire Method		HP Processing Method	FB100424

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23534,PP23844,PP23845,PP23846,PP23847,PP23848
CCC	PP23850,PP23851
Internal Standard/PEM	
ICV/I.BLK	PP23535,PP23849
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	5 GRO STD	FB030963.D	4 Oct 2024 9:45	YP/AJ	Ok
2	10 GRO STD	FB030964.D	4 Oct 2024 10:11	YP/AJ	Ok
3	20 GRO STD	FB030965.D	4 Oct 2024 10:38	YP/AJ	Ok
4	50 GRO STD	FB030966.D	4 Oct 2024 11:05	YP/AJ	Ok
5	100 GRO STD	FB030967.D	4 Oct 2024 11:31	YP/AJ	Ok
6	FB100424GROICV	FB030968.D	4 Oct 2024 12:09	YP/AJ	Ok
7	20 PPB GRO STD	FB030969.D	4 Oct 2024 12:36	YP/AJ	Ok
8	VBF1004S1	FB030970.D	4 Oct 2024 13:15	YP/AJ	Ok
9	VBF1004S2	FB030971.D	4 Oct 2024 13:42	YP/AJ	Ok
10	BSF1004S1	FB030972.D	4 Oct 2024 14:08	YP/AJ	Ok
11	P4273-01	FB030973.D	4 Oct 2024 14:35	YP/AJ	ReRun
12	P4273-01RE	FB030974.D	4 Oct 2024 15:02	YP/AJ	Confirms
13	P4277-01	FB030975.D	4 Oct 2024 15:28	YP/AJ	Ok
14	P4277-01	FB030976.D	4 Oct 2024 15:55	YP/AJ	Not Ok
15	P4273-01MS	FB030977.D	4 Oct 2024 16:22	YP/AJ	Ok,M
16	P4273-01MSD	FB030978.D	4 Oct 2024 16:49	YP/AJ	Ok,M
17	P4277-01	FB030979.D	4 Oct 2024 17:16	YP/AJ	Not Ok
18	BSF1004S2	FB030980.D	4 Oct 2024 17:42	YP/AJ	Ok
19	20 PPB GRO STD	FB030981.D	4 Oct 2024 18:09	YP/AJ	Ok

M : Manual Integration

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

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QCBatch ID # FB102424

Review By	yogesh	Review On	10/24/2024 12:28:02 PM		
Supervise By	Ankita	Supervise On	10/25/2024 11:46:22 AM		
SubDirectory	FB102424	HP Acquire Method		HP Processing Method	FB100424

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23534,PP23844,PP23845,PP23846,PP23847,PP23848
CCC	PP23910,PP23911,PP23912
Internal Standard/PEM	
ICV/I.BLK	PP23535,PP23849
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	20 PPB GRO STD	FB031011.D	24 Oct 2024 8:53	YP/AJ	Ok,M
2	VBF1024S1	FB031012.D	24 Oct 2024 9:33	YP/AJ	Ok
3	VBF1024S2	FB031013.D	24 Oct 2024 10:00	YP/AJ	Ok
4	BSF1024S1	FB031014.D	24 Oct 2024 10:27	YP/AJ	Ok
5	P4495-15	FB031015.D	24 Oct 2024 10:53	YP/AJ	Dilution
6	I.BLK	FB031016.D	24 Oct 2024 11:20	YP/AJ	Ok
7	P4495-15	FB031017.D	24 Oct 2024 11:47	YP/AJ	Dilution
8	I.BLK	FB031018.D	24 Oct 2024 12:26	YP/AJ	Ok
9	P4495-15	FB031019.D	24 Oct 2024 12:53	YP/AJ	Ok,M
10	P4495-15	FB031020.D	24 Oct 2024 13:20	YP/AJ	Not Ok
11	BSF1024S2	FB031021.D	24 Oct 2024 13:47	YP/AJ	Ok
12	20 PPB GRO STD	FB031022.D	24 Oct 2024 14:13	YP/AJ	Ok
13	P4518-01	FB031023.D	24 Oct 2024 15:07	YP/AJ	Dilution
14	P4518-02	FB031024.D	24 Oct 2024 15:33	YP/AJ	Dilution
15	P4518-03	FB031025.D	24 Oct 2024 16:00	YP/AJ	Dilution
16	P4518-04	FB031026.D	24 Oct 2024 16:27	YP/AJ	Dilution
17	P4518-05	FB031027.D	24 Oct 2024 16:54	YP/AJ	Dilution
18	P4509-01	FB031028.D	24 Oct 2024 17:20	YP/AJ	Not Ok
19	P4509-01	FB031029.D	24 Oct 2024 17:47	YP/AJ	Not Ok
20	P4509-01	FB031030.D	24 Oct 2024 18:14	YP/AJ	Ok
21	P4509-01MS	FB031031.D	24 Oct 2024 18:41	YP/AJ	Ok,M

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QCBatch ID # FB102424

Review By	yogesh	Review On	10/24/2024 12:28:02 PM		
Supervise By	Ankita	Supervise On	10/25/2024 11:46:22 AM		
SubDirectory	FB102424	HP Acquire Method		HP Processing Method	FB100424

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23534,PP23844,PP23845,PP23846,PP23847,PP23848
CCC	PP23910,PP23911,PP23912
Internal Standard/PEM	
ICV/I.BLK	PP23535,PP23849
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4509-01MSD	FB031032.D	24 Oct 2024 19:07	YP/AJ	Ok,M
23	BSF1024S3	FB031033.D	24 Oct 2024 19:34	YP/AJ	Ok
24	20 PPB GRO STD	FB031034.D	24 Oct 2024 20:01	YP/AJ	Ok

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QCBatch ID # FB100424

Review By	yogesh	Review On	10/4/2024 12:14:29 PM		
Supervise By	Ankita	Supervise On	10/7/2024 9:22:26 AM		
SubDirectory	FB100424	HP Acquire Method		HP Processing Method	FB100424

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23534,PP23844,PP23845,PP23846,PP23847,PP23848
CCC	PP23850,PP23851
Internal Standard/PEM	
ICV/I.BLK	PP23535,PP23849
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	5 GRO STD		FB030963.D	4 Oct 2024 9:45		YP/AJ	Ok
2	10 GRO STD		FB030964.D	4 Oct 2024 10:11		YP/AJ	Ok
3	20 GRO STD		FB030965.D	4 Oct 2024 10:38		YP/AJ	Ok
4	50 GRO STD		FB030966.D	4 Oct 2024 11:05		YP/AJ	Ok
5	100 GRO STD		FB030967.D	4 Oct 2024 11:31		YP/AJ	Ok
6	FB100424GROICV		FB030968.D	4 Oct 2024 12:09		YP/AJ	Ok
7	20 PPB GRO STD		FB030969.D	4 Oct 2024 12:36		YP/AJ	Ok
8	VBF1004S1		FB030970.D	4 Oct 2024 13:15		YP/AJ	Ok
9	VBF1004S2		FB030971.D	4 Oct 2024 13:42		YP/AJ	Ok
10	BSF1004S1		FB030972.D	4 Oct 2024 14:08		YP/AJ	Ok
11	P4273-01		FB030973.D	4 Oct 2024 14:35	Surrogate fail-Vial A	YP/AJ	ReRun
12	P4273-01RE		FB030974.D	4 Oct 2024 15:02	Surrogate fail-Vial B	YP/AJ	Confirms
13	P4277-01		FB030975.D	4 Oct 2024 15:28	Vial-A	YP/AJ	Ok
14	P4277-01		FB030976.D	4 Oct 2024 15:55	Surrogate fail;Not used, Vial-B	YP/AJ	Not Ok
15	P4273-01MS		FB030977.D	4 Oct 2024 16:22	Vial-A	YP/AJ	Ok,M
16	P4273-01MSD		FB030978.D	4 Oct 2024 16:49	Vial-A	YP/AJ	Ok,M
17	P4277-01		FB030979.D	4 Oct 2024 17:16	Not required-Vial-C	YP/AJ	Not Ok
18	BSF1004S2		FB030980.D	4 Oct 2024 17:42		YP/AJ	Ok

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QCBatch ID # FB100424

Review By	yogesh	Review On	10/4/2024 12:14:29 PM		
Supervise By	Ankita	Supervise On	10/7/2024 9:22:26 AM		
SubDirectory	FB100424	HP Acquire Method		HP Processing Method	FB100424

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23534,PP23844,PP23845,PP23846,PP23847,PP23848
CCC	PP23850,PP23851
Internal Standard/PEM	
ICV/I.BLK	PP23535,PP23849
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	20 PPB GRO STD		FB030981.D	4 Oct 2024 18:09		YP/AJ	Ok

M : Manual Integration

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

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QCBatch ID # FB102424

Review By	yogesh	Review On	10/24/2024 12:28:02 PM		
Supervise By	Ankita	Supervise On	10/25/2024 11:46:22 AM		
SubDirectory	FB102424	HP Acquire Method		HP Processing Method	FB100424

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23534,PP23844,PP23845,PP23846,PP23847,PP23848
CCC	PP23910,PP23911,PP23912
Internal Standard/PEM	
ICV/I.BLK	PP23535,PP23849
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	20 PPB GRO STD		FB031011.D	24 Oct 2024 8:53		YP/AJ	Ok,M
2	VBF1024S1		FB031012.D	24 Oct 2024 9:33		YP/AJ	Ok
3	VBF1024S2		FB031013.D	24 Oct 2024 10:00		YP/AJ	Ok
4	BSF1024S1		FB031014.D	24 Oct 2024 10:27		YP/AJ	Ok
5	P4495-15		FB031015.D	24 Oct 2024 10:53	need dilution	YP/AJ	Dilution
6	I.BLK		FB031016.D	24 Oct 2024 11:20		YP/AJ	Ok
7	P4495-15		FB031017.D	24 Oct 2024 11:47	need dilution	YP/AJ	Dilution
8	I.BLK		FB031018.D	24 Oct 2024 12:26		YP/AJ	Ok
9	P4495-15		FB031019.D	24 Oct 2024 12:53		YP/AJ	Ok,M
10	P4495-15		FB031020.D	24 Oct 2024 13:20	not required	YP/AJ	Not Ok
11	BSF1024S2		FB031021.D	24 Oct 2024 13:47		YP/AJ	Ok
12	20 PPB GRO STD		FB031022.D	24 Oct 2024 14:13		YP/AJ	Ok
13	P4518-01		FB031023.D	24 Oct 2024 15:07	need 100x dilution vial-A	YP/AJ	Dilution
14	P4518-02		FB031024.D	24 Oct 2024 15:33	need 250x dilution vial-A	YP/AJ	Dilution
15	P4518-03		FB031025.D	24 Oct 2024 16:00	need 50x dilution vial-A	YP/AJ	Dilution
16	P4518-04		FB031026.D	24 Oct 2024 16:27	need 250x dilution vial-A	YP/AJ	Dilution
17	P4518-05		FB031027.D	24 Oct 2024 16:54	need 50x dilution vial-A	YP/AJ	Dilution
18	P4509-01		FB031028.D	24 Oct 2024 17:20	not purged vial-A	YP/AJ	Not Ok

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

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QCBatch ID # FB102424

Review By	yogesh	Review On	10/24/2024 12:28:02 PM		
Supervise By	Ankita	Supervise On	10/25/2024 11:46:22 AM		
SubDirectory	FB102424	HP Acquire Method		HP Processing Method	FB100424

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23534,PP23844,PP23845,PP23846,PP23847,PP23848
CCC	PP23910,PP23911,PP23912
Internal Standard/PEM	
ICV/I.BLK	PP23535,PP23849
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4509-01		FB031029.D	24 Oct 2024 17:47	not purged vial-B	YP/AJ	Not Ok
20	P4509-01		FB031030.D	24 Oct 2024 18:14	vial-C	YP/AJ	Ok
21	P4509-01MS		FB031031.D	24 Oct 2024 18:41		YP/AJ	Ok,M
22	P4509-01MSD		FB031032.D	24 Oct 2024 19:07		YP/AJ	Ok,M
23	BSF1024S3		FB031033.D	24 Oct 2024 19:34		YP/AJ	Ok
24	20 PPB GRO STD		FB031034.D	24 Oct 2024 20:01		YP/AJ	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/25/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 10/23/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:20
Out Date: 10/24/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133085

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
P4488-09	HCC-1	1	1.00	1.00	2.00	2.00	100.0	oil sample
P4488-10	HCC-2	2	1.00	1.00	2.00	2.00	100.0	oil sample
P4495-01	PT-AN-SOIL	3	1.00	1.00	2.00	2.00	100.0	
P4495-02	PT-CORR-SOIL	4	1.00	1.00	2.00	2.00	100.0	
P4495-03	PT-CN-SOIL	5	1.00	1.00	2.00	2.00	100.0	
P4495-04	PT-CN-SOIL	6	1.00	1.00	2.00	2.00	100.0	
P4495-05	PT-FP-SOIL	7	1.00	1.00	2.00	2.00	100.0	
P4495-06	PT-CR6-SOIL	8	1.00	1.00	2.00	2.00	100.0	
P4495-07	PT-NUT-SOIL	9	1.00	1.00	2.00	2.00	100.0	
P4495-08	PT-NUT-SOIL	10	1.00	1.00	2.00	2.00	100.0	
P4495-09	PT-OGR-SOIL	11	1.00	1.00	2.00	2.00	100.0	
P4495-10	PT-MET-SOIL	12	1.00	1.00	2.00	2.00	100.0	
P4495-11	PT-BNA-SOIL	13	1.00	1.00	2.00	2.00	100.0	
P4495-12	PT-TRIAZINE-SOIL	14	1.00	1.00	2.00	2.00	100.0	
P4495-13	PT-PAH-SOIL	15	1.00	1.00	2.00	2.00	100.0	
P4495-14	PT-DIES-SOIL	16	1.00	1.00	2.00	2.00	100.0	
P4495-15	PT-GAS-SOIL	17	1.00	1.00	2.00	2.00	100.0	
P4495-16	PT-NJEPH-SOIL	18	1.00	1.00	2.00	2.00	100.0	
P4495-17	PT-HERB-SOIL	19	1.00	1.00	2.00	2.00	100.0	
P4495-18	PT-PCB-SOIL	20	1.00	1.00	2.00	2.00	100.0	
P4495-19	PT-PCBO-SOIL	21	1.00	1.00	2.00	2.00	100.0	
P4495-20	PT-PEST-SOIL	22	1.00	1.00	2.00	2.00	100.0	
P4495-21	PT-CHLR-SOIL	23	1.00	1.00	2.00	2.00	100.0	
P4495-22	PT-TXP-SOIL	24	1.00	1.00	2.00	2.00	100.0	
P4495-23	PT-VOA-SOIL	25	1.00	1.00	2.00	2.00	100.0	
P4495-24	PT-SOL-SOIL	26	0.92	8.80	9.72	7.58	75.7	
P4495-25	PT-NO2-SOIL	27	1.00	1.00	2.00	2.00	100.0	
P4508-01	TP-3	28	1.14	8.38	9.52	8.64	89.5	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/25/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 10/23/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:20
Out Date: 10/24/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133085

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
P4508-02	TP-3-EPH	29	1.15	8.81	9.96	9.22	91.6	
P4508-03	TP-3-VOC	30	1.15	8.66	9.81	8.88	89.3	
P4508-05	BP-F23	31	1.15	8.82	9.97	9.22	91.5	
P4508-06	BP-F23-EPH	32	1.14	8.83	9.97	9.29	92.3	
P4508-07	BP-F23-VOC	33	1.15	8.40	9.55	8.61	88.8	
P4508-09	BP-F22	34	1.18	8.78	9.96	9.15	90.8	
P4508-10	BP-F22-EPH	35	1.15	8.70	9.85	8.98	90.0	
P4508-11	BP-F22-VOC	36	1.16	8.60	9.76	8.68	87.4	
P4509-02	AU-06-10232024	37	1.12	8.82	9.94	9.44	94.3	
P4510-01	FDH119M-1-1	38	1.00	1.00	2.00	2.00	100.0	pilc
P4510-02	FDH119M-1-2	39	1.00	1.00	2.00	2.00	100.0	pilc
P4510-03	BC271327-1-1	40	1.00	1.00	2.00	2.00	100.0	pilc
P4510-04	BC271327-1-2	41	1.00	1.00	2.00	2.00	100.0	pilc
P4510-05	BC271327-2-1	42	1.00	1.00	2.00	2.00	100.0	pilc
P4510-06	BC271327-2-2	43	1.00	1.00	2.00	2.00	100.0	pilc
P4510-07	FDA886K-1-1	44	1.00	1.00	2.00	2.00	100.0	pilc
P4510-08	FDA886K-1-2	45	1.00	1.00	2.00	2.00	100.0	pilc
P4510-09	FDA886K-2-1	46	1.00	1.00	2.00	2.00	100.0	pilc
P4510-10	FDA886K-2-2	47	1.00	1.00	2.00	2.00	100.0	pilc
P4510-11	HID111K-1-1	48	1.00	1.00	2.00	2.00	100.0	pilc
P4510-12	HID111K-1-2	49	1.00	1.00	2.00	2.00	100.0	pilc
P4510-13	HID111K-2-1	50	1.00	1.00	2.00	2.00	100.0	pilc
P4510-14	HID111K-2-2	51	1.00	1.00	2.00	2.00	100.0	pilc
P4510-15	HID111K-3-1	52	1.00	1.00	2.00	2.00	100.0	pilc
P4510-16	HID111K-3-2	53	1.00	1.00	2.00	2.00	100.0	pilc
P4510-17	FDA563W-1-1	54	1.00	1.00	2.00	2.00	100.0	pilc
P4510-18	FDA563W-1-2	55	1.00	1.00	2.00	2.00	100.0	pilc
P4510-19	FDA563W-2-1	56	1.00	1.00	2.00	2.00	100.0	pilc

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/25/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 10/23/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:20
Out Date: 10/24/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133085

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
P4510-20	FDA563W-2-2	57	1.00	1.00	2.00	2.00	100.0	oilc
P4510-21	JEC128C-1-1	58	1.00	1.00	2.00	2.00	100.0	oilc
P4510-22	JEC128C-1-2	59	1.00	1.00	2.00	2.00	100.0	oilc
P4510-23	JEC128C-2-1	60	1.00	1.00	2.00	2.00	100.0	oilc
P4510-24	JEC128C-2-2	61	1.00	1.00	2.00	2.00	100.0	oilc
P4511-02	267	62	1.00	1.00	2.00	2.00	100.0	debris
P4512-03	VNJ-212	63	1.15	8.81	9.96	9.66	96.6	
P4512-04	VNJ-212-E2	64	1.16	8.48	9.64	9.39	97.1	
P4513-01	D3683	65	1.00	1.00	2.00	2.00	100.0	oil sample
P4513-02	D3694	66	1.00	1.00	2.00	2.00	100.0	debris
P4513-03	D3695	67	1.00	1.00	2.00	2.00	100.0	debris
P4514-01	BC274653-1-1	68	1.00	1.00	2.00	2.00	100.0	oilc
P4514-02	BC274653-1-2	69	1.00	1.00	2.00	2.00	100.0	oilc
P4514-03	BC274767-1-1	70	1.00	1.00	2.00	2.00	100.0	oilc
P4514-04	BC274767-1-2	71	1.00	1.00	2.00	2.00	100.0	oilc
P4514-05	BC274767-2-1	72	1.00	1.00	2.00	2.00	100.0	oilc
P4514-06	BC274767-2-2	73	1.00	1.00	2.00	2.00	100.0	oilc
P4515-01	CHVB0783	74	1.15	8.83	9.98	5.28	46.8	
P4516-01	72-11986	75	1.12	8.67	9.79	8.93	90.1	
P4517-01	NASSAU-ST-CO	76	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4517-03	S.JEFFERSON-CO-1	77	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4517-05	S.JEFFERSON-CO-2	78	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4517-07	FOREST-ST-CO	79	1.00	1.00	2.00	2.00	100.0	CONCRETE sample

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

WORKLIST(Hardcopy Internal Chain)

VB133085

WorkList Name : %1-102324 **WorkList ID :** 184679 **Department :** Wet-Chemistry **Date :** 10-23-2024 08:16:39

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4488-09	HCC-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/22/2024	Chemtech -SO
P4488-10	HCC-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/22/2024	Chemtech -SO
P4495-01	PT-AN-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-02	PT-CORR-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-03	PT-CN-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-04	PT-CN-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-05	PT-FP-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-06	PT-CR6-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-07	PT-NUT-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-08	PT-NUT-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-09	PT-OGR-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-10	PT-MET-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-11	PT-BNA-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-12	PT-TRIAZINE-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-13	PT-PAH-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-14	PT-DIES-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-15	PT-GAS-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-16	PT-NJEPH-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-17	PT-HERB-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-18	PT-PCB-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-19	PT-PCBO-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO

Date/Time 10/23/24 16:00

Raw Sample Received by: JB (WC)

Raw Sample Relinquished by:

Date/Time 10/23/24 17:30

Raw Sample Received by:

Raw Sample Relinquished by: JB (WC)

WB 133085

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-102324 **WorkList ID :** 184679 **Department :** Wet-Chemistry **Date :** 10-23-2024 08:16:39

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4495-20	PT-PEST-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-21	PT-CHLR-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-22	PT-TXP-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-23	PT-VOA-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-24	PT-SOL-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4495-25	PT-NO2-SOIL	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	10/21/2024	Chemtech -SO
P4508-01	TP-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	K63	10/23/2024	Chemtech -SO
P4508-02	TP-3-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	K63	10/23/2024	Chemtech -SO
P4508-03	TP-3-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	K63	10/23/2024	Chemtech -SO
P4508-05	BP-F23	Solid	Percent Solids	Cool 4 deg C	PSEG03	K63	10/23/2024	Chemtech -SO
P4508-06	BP-F23-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	K63	10/23/2024	Chemtech -SO
P4508-07	BP-F23-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	K63	10/23/2024	Chemtech -SO
P4508-09	BP-F22	Solid	Percent Solids	Cool 4 deg C	PSEG03	K63	10/23/2024	Chemtech -SO
P4508-10	BP-F22-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	K63	10/23/2024	Chemtech -SO
P4508-11	BP-F22-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	K63	10/23/2024	Chemtech -SO
P4509-02	AU-06-10232024	Solid	Percent Solids	Cool 4 deg C	PSEG05	K61	10/23/2024	Chemtech -SO
P4510-01	FDH119M-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4510-02	FDH119M-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4510-03	BC271327-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4510-04	BC271327-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4510-05	BC271327-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO

Date/Time 10/23/24 16:00

Raw Sample Received by: [signature] (WC)

Raw Sample Relinquished by: [signature]

Date/Time 10/23/24 17:30

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature] (WC)

WORKLIST(Hardcopy Internal Chain)

JD 133085

WorkList Name : %1-102324 **WorkList ID :** 184679 **Department :** Wet-Chemistry **Date :** 10-23-2024 08:16:39

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4510-06	BC271327-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4510-07	FDA886K-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4510-08	FDA886K-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4510-09	FDA886K-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4510-10	FDA886K-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4510-11	HID111K-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4510-12	HID111K-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4510-13	HID111K-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4510-14	HID111K-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4510-15	HID111K-3-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4510-16	HID111K-3-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4510-17	FDA563W-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4510-18	FDA563W-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4510-19	FDA563W-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4510-20	FDA563W-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4510-21	JEC128C-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4510-22	JEC128C-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4510-23	JEC128C-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4510-24	JEC128C-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4511-02	267	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4512-03	VNJ-212	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO

Date/Time 10/23/24 1610

Raw Sample Received by: JD CWC

Raw Sample Relinquished by: CP

Date/Time 10/23/24 1730

Raw Sample Received by: CP

Raw Sample Relinquished by: JD CWC

WORKLIST(Hardcopy Internal Chain)

WB 133085

WorkList Name : %1-102324 **WorkList ID :** 184679 **Department :** Wet-Chemistry **Date :** 10-23-2024 08:16:39

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4512-04	VNJ-212-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4513-01	D3683	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4513-02	D3694	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4513-03	D3695	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4514-01	BC274653-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K31	10/23/2024	Chemtech -SO
P4514-02	BC274653-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K31	10/23/2024	Chemtech -SO
P4514-03	BC274767-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K31	10/23/2024	Chemtech -SO
P4514-04	BC274767-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K31	10/23/2024	Chemtech -SO
P4514-05	BC274767-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K31	10/23/2024	Chemtech -SO
P4514-06	BC274767-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K31	10/23/2024	Chemtech -SO
P4515-01	CHVB0783	Solid	Percent Solids	Cool 4 deg C	PSEG03	K62	10/23/2024	Chemtech -SO
P4516-01	72-11986	Solid	Percent Solids	Cool 4 deg C	PSEG03	K62	10/23/2024	Chemtech -SO
P4517-01	NASSAU-ST-CO	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4517-03	S.JEFFERSON-CO-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4517-05	S.JEFFERSON-CO-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO
P4517-07	FOREST-ST-CO	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/23/2024	Chemtech -SO

Date/Time 10/23/24 1610

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

Date/Time 10/23/24 1730

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

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

Prep Standard - Chemical Standard Summary

Order ID : P4495

Test : Gasoline Range Organics

Prepbatch ID :

Sequence ID/Qc Batch ID: FB102424,

Standard ID :
PP23534,PP23535,PP23538,PP23844,PP23845,PP23846,PP23847,PP23848,PP23849,PP23910,PP23911,PP23912,

Chemical ID :
P11121,P9826,V11252,V14143,W3112,

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
231	10 PPM GRO STD 1ST SOURCE	PP23534	07/29/2024	01/22/2025	Yogesh Patel	None	None	Ankita Jodhani 07/30/2024

FROM 0.11100ml of P9826 + 9.89000ml of V14143 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
233	10 PPM GRO STD 2nd SOURCE	PP23535	07/29/2024	01/22/2025	Yogesh Patel	None	None	Ankita Jodhani 07/30/2024

FROM 0.11100ml of P11121 + 9.89000ml of V14143 = Final Quantity: 10.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3619	25 PPM AAA-TFT Surg	PP23538	07/29/2024	01/22/2025	Yogesh Patel	None	None	Ankita Jodhani 07/30/2024

FROM 0.10000ml of V11252 + 9.90000ml of V14143 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
238	5 PPB ICC GRO STD	PP23844	10/04/2024	01/22/2025	Yogesh Patel	None	None	Ankita Jodhani 10/07/2024

FROM 5.00000ml of W3112 + 0.00100ml of PP23538 + 0.00250ml of PP23534 = Final Quantity: 5.004 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
237	10 PPB ICC GRO STD	PP23845	10/04/2024	01/22/2025	Yogesh Patel	None	None	Ankita Jodhani 10/07/2024

FROM 5.00000ml of W3112 + 0.00200ml of PP23538 + 0.00500ml of PP23534 = Final Quantity: 5.007 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
239	20 PPB ICC GRO STD	PP23846	10/04/2024	01/22/2025	Yogesh Patel	None	None	Ankita Jodhani 10/07/2024

FROM 5.00000ml of W3112 + 0.00400ml of PP23538 + 0.01000ml of PP23534 = Final Quantity: 5.014 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
235	50 PPB ICC GRO STD	PP23847	10/04/2024	01/22/2025	Yogesh Patel	None	None	Ankita Jodhani 10/07/2024

FROM 5.00000ml of W3112 + 0.01000ml of PP23538 + 0.02500ml of PP23534 = Final Quantity: 5.035 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
234	100 PPB ICC GRO STD	PP23848	10/04/2024	01/22/2025	Yogesh Patel	None	None	Ankita Jodhani 10/07/2024

FROM 5.00000ml of W3112 + 0.02000ml of PP23538 + 0.05000ml of PP23534 = Final Quantity: 5.070 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
240	20 PPB ICV GRO STD	PP23849	10/04/2024	01/22/2025	Yogesh Patel	None	None	Ankita Jodhani 10/07/2024

FROM 5.00000ml of W3112 + 0.00400ml of PP23538 + 0.01000ml of PP23535 = Final Quantity: 5.014 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
241	20 PPB CCC GRO STD	PP23910	10/24/2024	01/22/2025	Yogesh Patel	None	None	Ankita Jodhani 10/25/2024

FROM 5.00000ml of W3112 + 0.00400ml of PP23538 + 0.01000ml of PP23534 = Final Quantity: 5.014 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
241	20 PPB CCC GRO STD	PP23911	10/24/2024	01/22/2025	Yogesh Patel	None	None	Ankita Jodhani 10/25/2024

FROM 5.00000ml of W3112 + 0.00400ml of PP23538 + 0.01000ml of PP23534 = Final Quantity: 5.014 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
241	20 PPB CCC GRO STD	PP23912	10/24/2024	01/22/2025	Yogesh Patel	None	None	Ankita Jodhani 10/25/2024

FROM 5.00000ml of W3112 + 0.00400ml of PP23538 + 0.01000ml of PP23534 = Final Quantity: 5.014 ml

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

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)	A0161776	01/25/2025	07/25/2024 / yogesh	02/10/2021 / Sohil	P11121

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30065 / GRO Mix (EPA)	A0155991	01/25/2025	07/25/2024 / yogesh	09/11/2020 / DHAVAL	P9826

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30068 / VOA Mix, a, a, a-triflurotoluene 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)	22L0562016	01/22/2025	07/22/2024 / SAM	02/06/2024 / SAM	V14143

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

RESTEK®
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.

Catalog No. : 30065 **Lot No.:** A0161776

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 : July 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	1,507.0 µg/mL	+/- 8.9511 µg/mL	Gravimetric
	CAS # 107-83-5 (Lot MKCB1674V)		+/- 84.5158 µg/mL	Unstressed
	Purity 99%		+/- 86.4925 µg/mL	Stressed
2	2,2,4-Trimethylpentane (isooctane)	1,511.0 µg/mL	+/- 8.9749 µg/mL	Gravimetric
	CAS # 540-84-1 (Lot SHBF8066V)		+/- 84.7402 µg/mL	Unstressed
	Purity 99%		+/- 86.7221 µg/mL	Stressed
3	n-Heptane (C7)	498.8 µg/mL	+/- 2.9628 µg/mL	Gravimetric
	CAS # 142-82-5 (Lot SHBK8626)		+/- 27.9749 µg/mL	Unstressed
	Purity 98%		+/- 28.6292 µg/mL	Stressed
4	Benzene	500.0 µg/mL	+/- 2.9698 µg/mL	Gravimetric
	CAS # 71-43-2 (Lot SHBK5679)		+/- 28.0411 µg/mL	Unstressed
	Purity 99%		+/- 28.6969 µg/mL	Stressed
5	Toluene	1,510.0 µg/mL	+/- 8.9689 µg/mL	Gravimetric
	CAS # 108-88-3 (Lot MKCH9232)		+/- 84.6841 µg/mL	Unstressed
	Purity 99%		+/- 86.6647 µg/mL	Stressed
6	Ethylbenzene	504.0 µg/mL	+/- 2.9936 µg/mL	Gravimetric
	CAS # 100-41-4 (Lot SHBL0706)		+/- 28.2654 µg/mL	Unstressed
	Purity 99%		+/- 28.9265 µg/mL	Stressed
7	m-Xylene	1,005.0 µg/mL	+/- 5.9694 µg/mL	Gravimetric
	CAS # 108-38-3 (Lot SHBL0265)		+/- 56.3626 µg/mL	Unstressed
	Purity 99%		+/- 57.6808 µg/mL	Stressed

8	o-Xylene		1,007.0	µg/mL	+/-	5.9813	µg/mL	Gravimetric
	CAS #	95-47-6	(Lot SHBK7739)		+/-	56.4747	µg/mL	Unstressed
	Purity	99%			+/-	57.7956	µg/mL	Stressed
9	1,2,4-Trimethylbenzene		1,008.0	µg/mL	+/-	5.9872	µg/mL	Gravimetric
	CAS #	95-63-6	(Lot WXBC4246V)		+/-	56.5308	µg/mL	Unstressed
	Purity	99%			+/-	57.8530	µg/mL	Stressed

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

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

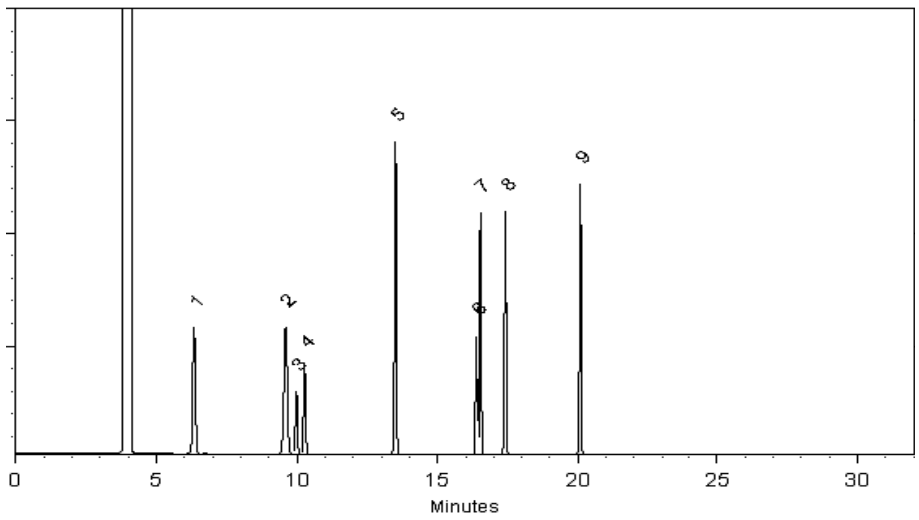
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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



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.

Cydnei L. Crust - Mix Technician

Date Mixed: 15-Jun-2020 **Balance:** B251644995

Fang-Yun Lo - QC Analyst

Date Passed: 17-Jun-2020

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/μECD, 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 combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

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

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules 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 ampules. 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.

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
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

James T Ethier
Jamie Ethier
Vice President Global Quality

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB102424\
Data File : FB031015.D
Signal(s) : FID2B.CH
Acq On : 24 Oct 2024 10:53
Operator : YP/AJ
Sample : P4495-15
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
PT-GAS-SOIL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/25/2024
Supervised By :Ankita Jodhani 10/25/2024

Integration File: Calibration.e
Quant Time: Oct 25 04:12:17 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB100424.M
Quant Title :
QLast Update : Fri Oct 04 11:53:51 2024
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	8.823	221955849	7404.081 ng/mlm
	Target Compounds			
1) t	2-Methylpentane	4.825	584923049	16209.675 ng/mlm
2) t	2,2,4-Trimethylpentane	7.556	2229970519	46795.735 ng/mlm
3) t	n-Heptane	7.782	624708676	13850.201 ng/mlm
4) t	Benzene	7.950	1742360466	31699.862 ng/ml
6) t	Toluene	10.875	4117184309	76216.399 ng/mlm
7) t	Ethylbenzene	13.153	108143879	2281.508 ng/mlm
8) t	m-Xylene	13.276	310512553	5952.121 ng/mlm
9) t	O-Xylene	13.972	50438609	1036.869 ng/ml
10) t	1,2,4-Trimethylbenzene	16.203	3944148	120.365 ng/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB102424\
Data File : FB031015.D
Signal(s) : FID2B.CH
Acq On : 24 Oct 2024 10:53
Operator : YP/AJ
Sample : P4495-15
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 5 Sample Multiplier: 1

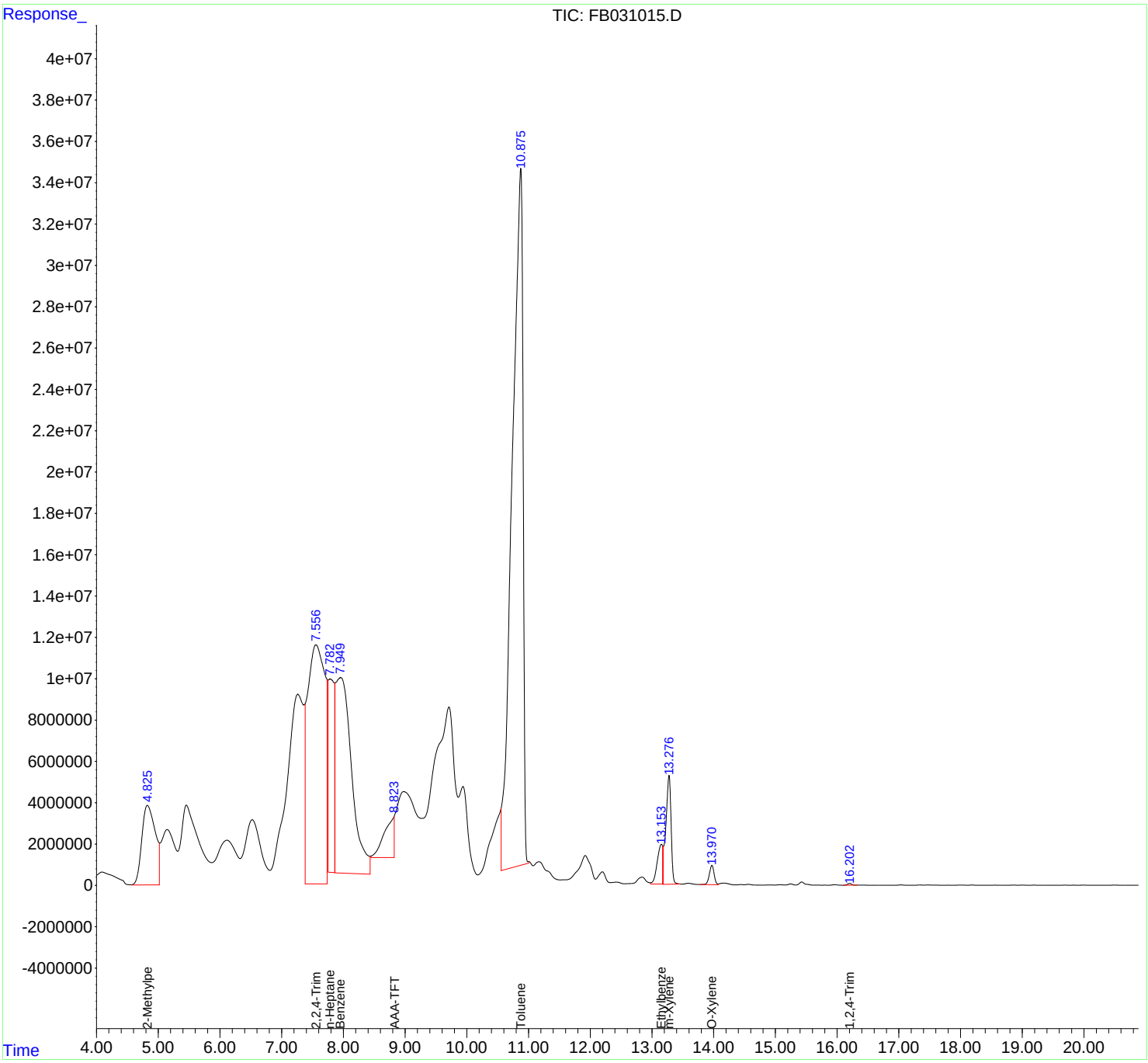
Integration File: Calibration.e
Quant Time: Oct 25 04:12:17 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB100424.M
Quant Title :
QLast Update : Fri Oct 04 11:53:51 2024
Response via : Initial Calibration
Integrator: ChemStation

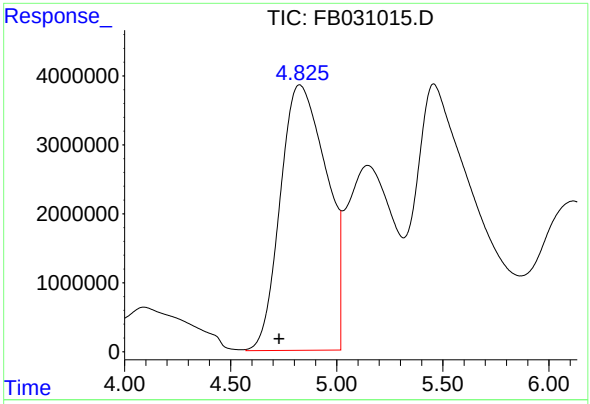
Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um

Instrument :
FID_B
ClientSampleId :
PT-GAS-SOIL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/25/2024
Supervised By :Ankita Jodhani 10/25/2024





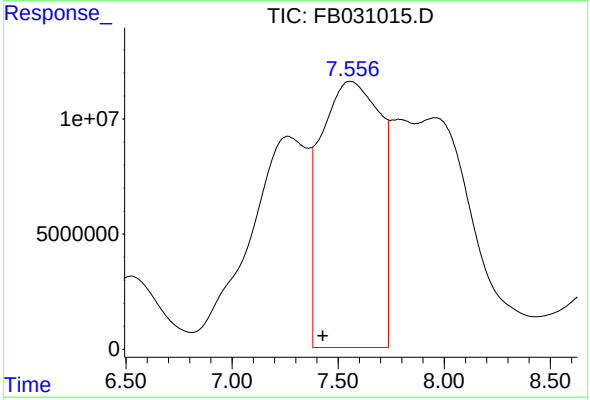
#1 2-Methylpentane

R.T.: 4.825 min
Delta R.T.: 0.097 min
Response: 584923049
Conc: 16209.68 ng/

Instrument :
FID_B
ClientSampleId :
PT-GAS-SOIL

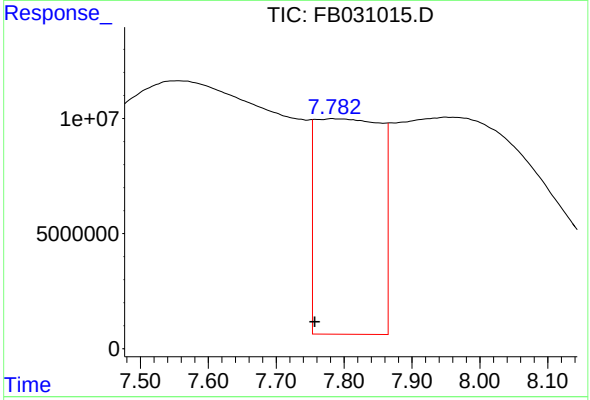
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/25/2024
Supervised By :Ankita Jodhani 10/25/2024



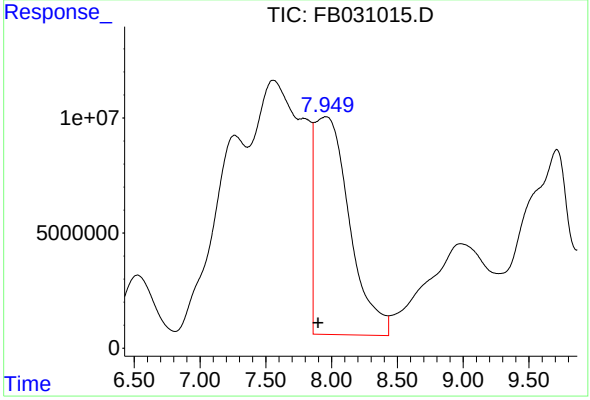
#2 2,2,4-Trimethylpentane

R.T.: 7.556 min
Delta R.T.: 0.128 min
Response: 2229970519
Conc: 46795.74 ng/ml m



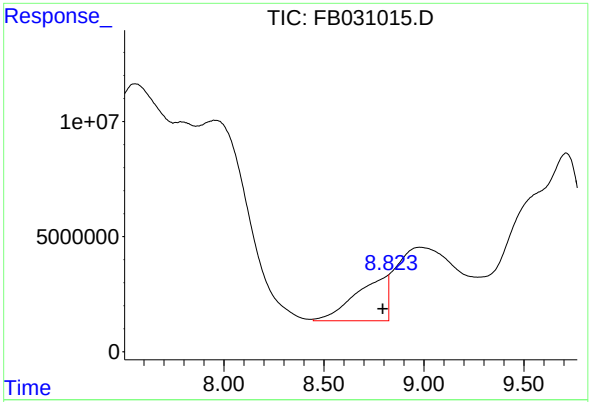
#3 n-Heptane

R.T.: 7.782 min
Delta R.T.: 0.025 min
Response: 624708676
Conc: 13850.20 ng/ml m



#4 Benzene

R.T.: 7.950 min
Delta R.T.: 0.052 min
Response: 1742360466
Conc: 31699.86 ng/ml



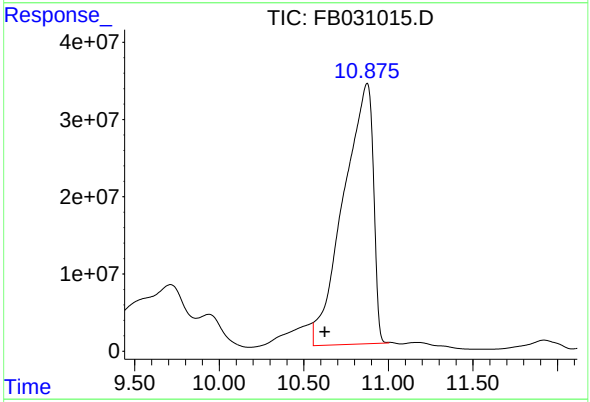
#5 AAA-TFT

R.T.: 8.823 min
Delta R.T.: 0.028 min
Response: 221955849
Conc: 7404.08 ng/m

Instrument :
FID_B
ClientSampleId :
PT-GAS-SOIL

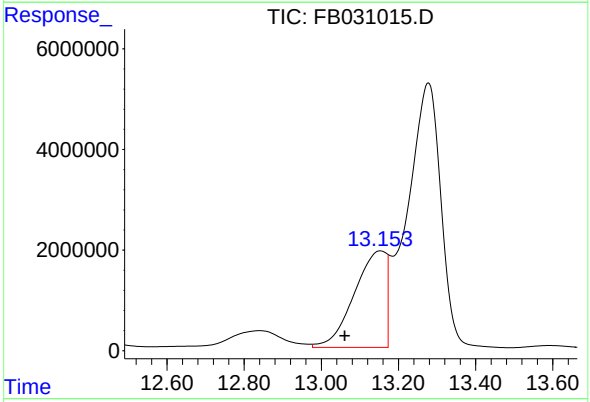
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/25/2024
Supervised By :Ankita Jodhani 10/25/2024



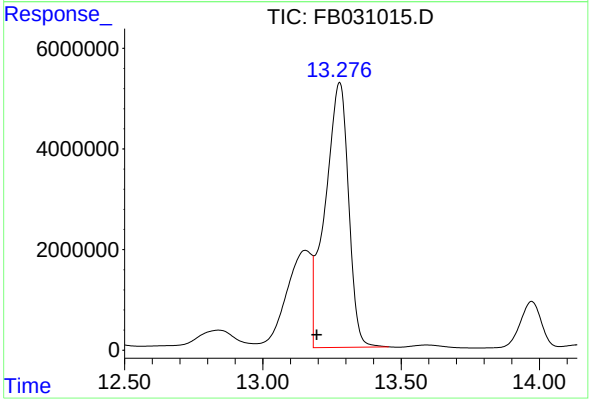
#6 Toluene

R.T.: 10.875 min
Delta R.T.: 0.250 min
Response: 4117184309
Conc: 76216.40 ng/ml m



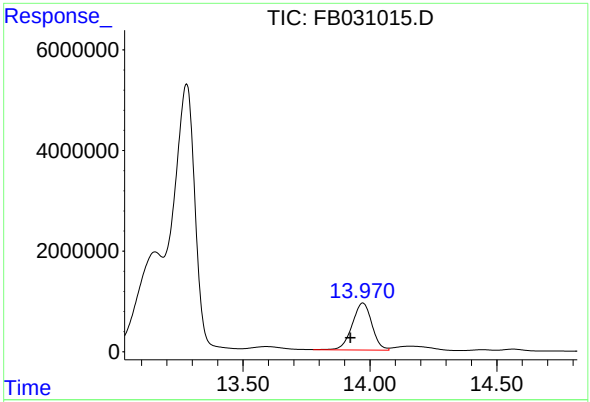
#7 Ethylbenzene

R.T.: 13.153 min
Delta R.T.: 0.093 min
Response: 108143879
Conc: 2281.51 ng/ml m



#8 m-Xylene

R.T.: 13.276 min
Delta R.T.: 0.082 min
Response: 310512553
Conc: 5952.12 ng/ml m



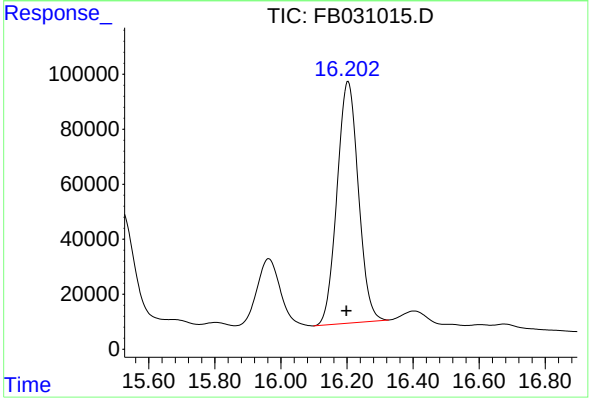
#9 O-Xylene

R.T.: 13.972 min
Delta R.T.: 0.049 min
Response: 50438609
Conc: 1036.87 ng/m

Instrument :
FID_B
ClientSampleId :
PT-GAS-SOIL

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/25/2024
Supervised By :Ankita Jodhani 10/25/2024



#10 1,2,4-Trimethylbenzene

R.T.: 16.203 min
Delta R.T.: 0.005 min
Response: 3944148
Conc: 120.37 ng/ml

Instrument :
FID_B
ClientSampleId :
PT-GAS-SOIL

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/25/2024
Supervised By :Ankita Jodhani 10/25/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB10242
Data File : FB031015.D
Signal(s) : FID2B.CH
Acq On : 24 Oct 2024 10:53
Sample : P4495-15
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 5 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB100424.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.825	4.520	5.027	BV	3840254	590079654	12.19%	3.008%
2	5.144	5.027	5.316	VV	2671109	390038846	8.06%	1.988%
3	5.457	5.316	5.870	VV	3853860	775954016	16.03%	3.956%
4	6.115	5.870	6.327	VV	2157559	462801890	9.56%	2.359%
5	6.525	6.327	6.810	VV	3150164	571285083	11.80%	2.912%
6	7.262	6.810	7.364	VV	9224182	1723015309	35.60%	8.784%
7	7.556	7.364	7.770	VV	11609136	2544901962	52.58%	12.973%
8	7.787	7.770	7.863	VV	9967839	549923555	11.36%	2.803%
9	7.956	7.863	8.432	VV	10034132	1909234938	39.45%	9.733%
10	8.980	8.432	9.271	VV	4516231	1583055150	32.71%	8.070%
11	9.711	9.271	9.864	VV	8614844	2095371414	43.29%	10.682%
12	9.938	9.864	10.179	VV	4762358	503648369	10.41%	2.567%
13	10.872	10.179	11.077	VV	34612869	4839979877	100.00%	24.673%
14	11.170	11.077	11.517	VV	1124843	183526440	3.79%	0.936%
15	11.575	11.517	11.601	VV	253789	12619514	0.26%	0.064%
16	11.920	11.601	12.088	VV	1427395	216989829	4.48%	1.106%
17	12.196	12.088	12.329	VV	640266	56717660	1.17%	0.289%
18	12.427	12.329	12.561	VV	142497	15641333	0.32%	0.080%
19	12.840	12.561	12.972	VV	383894	44842719	0.93%	0.229%
20	13.155	12.972	13.181	VV	1972785	125237669	2.59%	0.638%
21	13.277	13.181	13.488	VV	5304430	321384460	6.64%	1.638%
22	13.592	13.488	13.776	VV	89773	10016356	0.21%	0.051%
23	13.972	13.776	14.077	VV	959102	54859258	1.13%	0.280%
24	14.160	14.077	14.356	VV	99225	10351842	0.21%	0.053%
25	14.442	14.356	14.497	VV	29489	1821160	0.04%	0.009%
26	14.564	14.497	14.798	VV	41109	2684226	0.06%	0.014%
27	14.923	14.798	14.998	VV	6422	608565	0.01%	0.003%
28	15.077	14.998	15.151	VV	23237	1325348	0.03%	0.007%
29	15.249	15.151	15.329	VV	61463	3335600	0.07%	0.017%
30	15.427	15.329	15.753	VV	154081	9961144	0.21%	0.051%
31	15.802	15.753	15.867	VV	1046	37671	0.00%	0.000%
32	15.963	15.867	16.101	PV	24401	1183628	0.02%	0.006%
33	16.203	16.101	16.326	PV	87918	3942360	0.08%	0.020%

Sum of corrected areas: 19616376845

FB100424.M Fri Oct 25 06:39:58 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB102424\
Data File : FB031017.D
Signal(s) : FID2B.CH
Acq On : 24 Oct 2024 11:47
Operator : YP/AJ
Sample : P4495-15 500X
Misc : 5.00G/5.00 ML MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
PT-GAS-SOIL

Integration File: Calibration.e
Quant Time: Oct 25 04:02:01 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB100424.M
Quant Title :
QLast Update : Fri Oct 04 11:53:51 2024
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	8.834	2084926	69.550	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.723	1008078	27.936	ng/ml
2) t	2,2,4-Trimethylpentane	7.421	3697093	77.583	ng/ml
3) t	n-Heptane	7.755	2645859	58.660	ng/ml
4) t	Benzene	7.893	910337	16.562	ng/ml
6) t	Toluene	10.626	10473618	193.885	ng/ml
7) t	Ethylbenzene	13.062	2959249	62.431	ng/ml
8) t	m-Xylene	13.194	10305809	197.549	ng/ml
9) t	O-Xylene	13.924	4028303	82.810	ng/ml
10) t	1,2,4-Trimethylbenzene	16.201	6503969	198.485	ng/ml

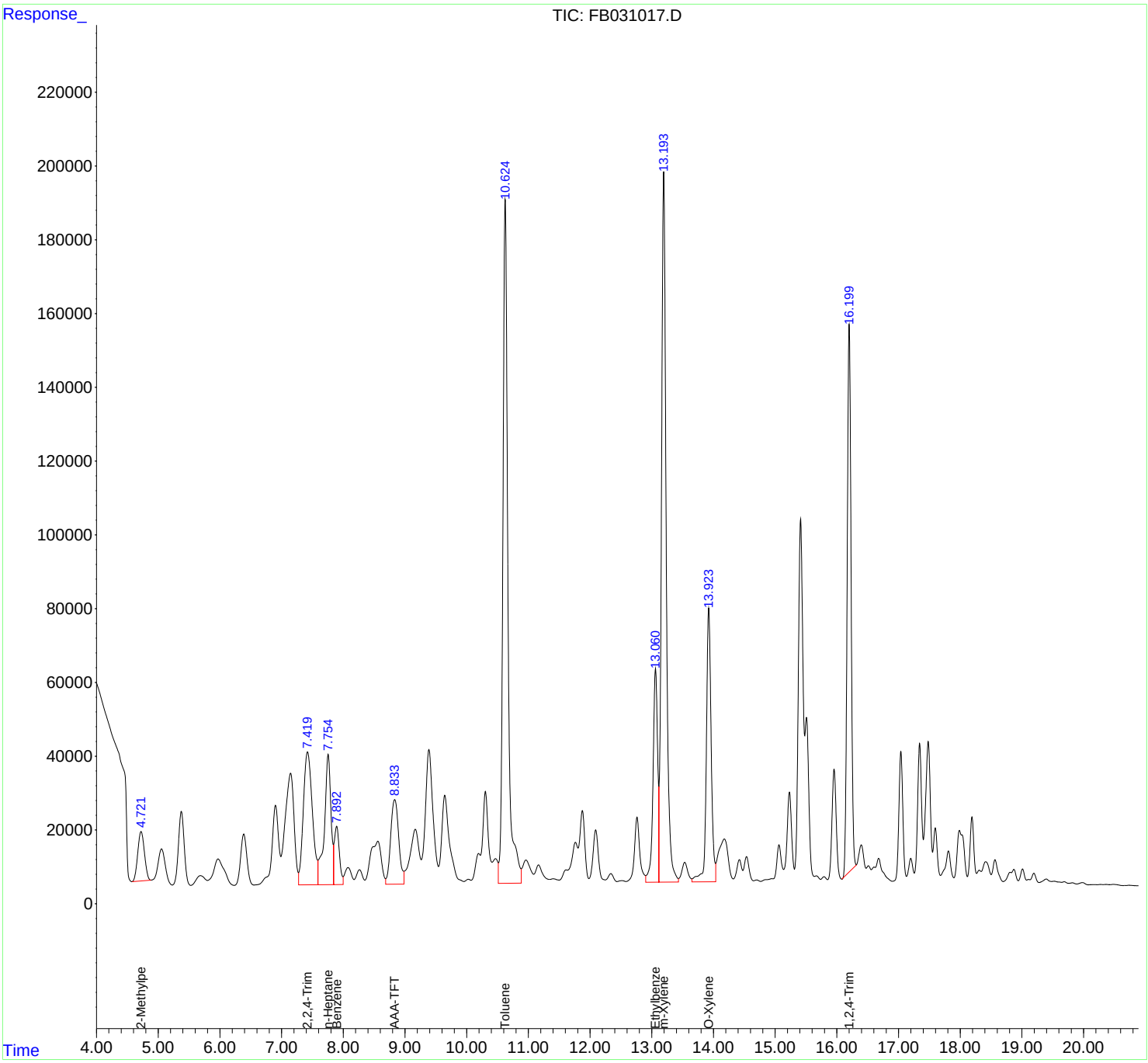
(f)=RT Delta > 1/2 Window (m)=manual int.

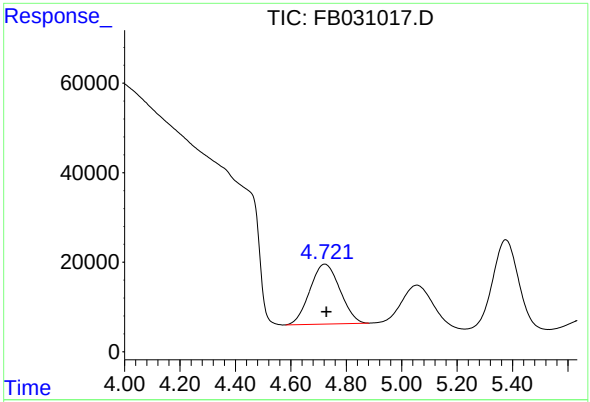
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB102424\
Data File : FB031017.D
Signal(s) : FID2B.CH
Acq On : 24 Oct 2024 11:47
Operator : YP/AJ
Sample : P4495-15 500X
Misc : 5.00G/5.00 ML MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
PT-GAS-SOIL

Integration File: Calibration.e
Quant Time: Oct 25 04:02:01 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB100424.M
Quant Title :
QLast Update : Fri Oct 04 11:53:51 2024
Response via : Initial Calibration
Integrator: ChemStation

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

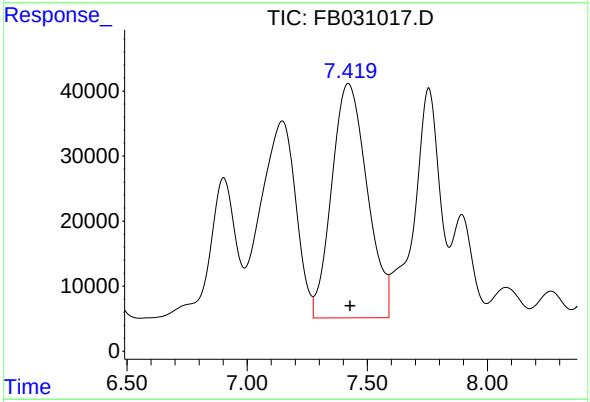




#1 2-Methylpentane

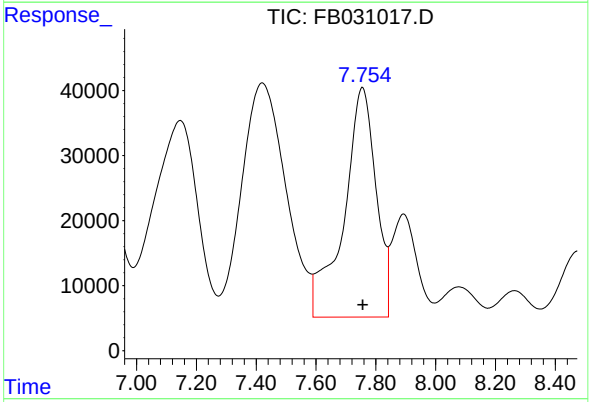
R.T.: 4.723 min
Delta R.T.: -0.005 min
Response: 1008078
Conc: 27.94 ng/ml

Instrument :
FID_B
ClientSampleId :
PT-GAS-SOIL



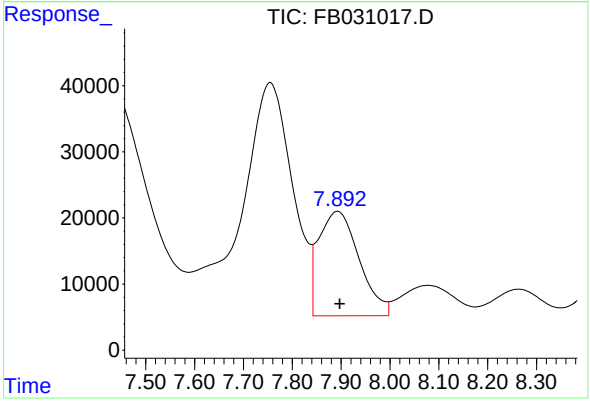
#2 2,2,4-Trimethylpentane

R.T.: 7.421 min
Delta R.T.: -0.007 min
Response: 3697093
Conc: 77.58 ng/ml



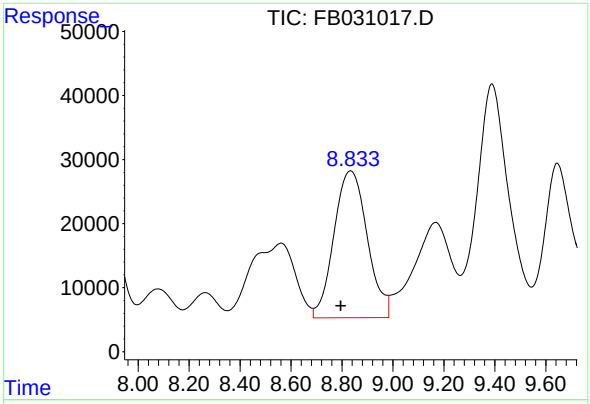
#3 n-Heptane

R.T.: 7.755 min
Delta R.T.: -0.001 min
Response: 2645859
Conc: 58.66 ng/ml



#4 Benzene

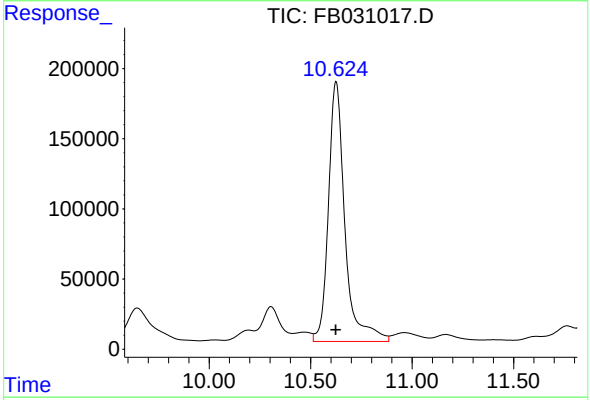
R.T.: 7.893 min
Delta R.T.: -0.005 min
Response: 910337
Conc: 16.56 ng/ml



#5 AAA-TFT

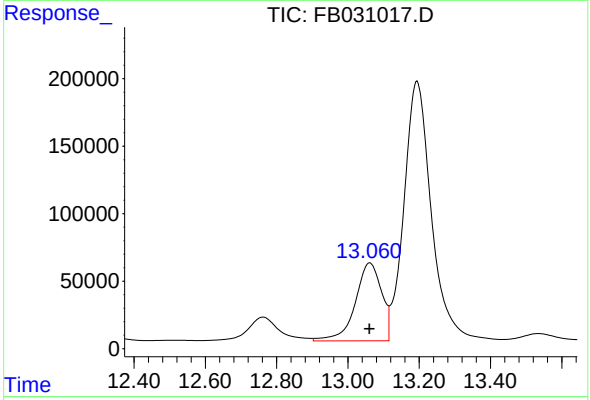
R.T.: 8.834 min
Delta R.T.: 0.038 min
Response: 2084926
Conc: 69.55 ng/ml

Instrument :
FID_B
ClientSampleId :
PT-GAS-SOIL



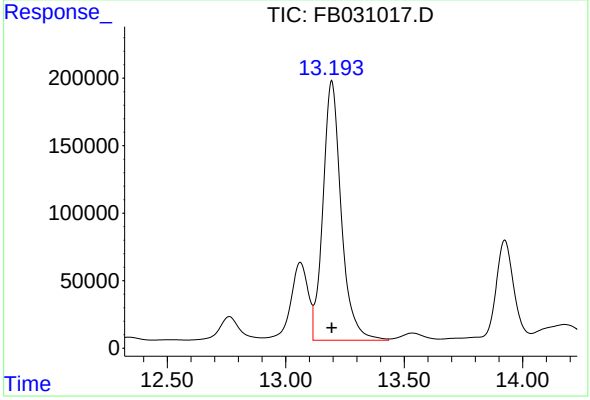
#6 Toluene

R.T.: 10.626 min
Delta R.T.: 0.000 min
Response: 10473618
Conc: 193.89 ng/ml



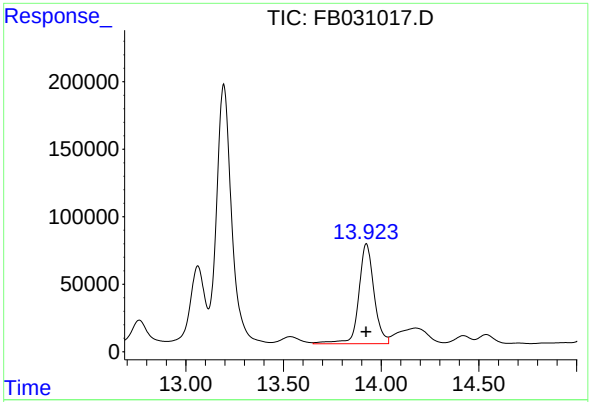
#7 Ethylbenzene

R.T.: 13.062 min
Delta R.T.: 0.001 min
Response: 2959249
Conc: 62.43 ng/ml



#8 m-Xylene

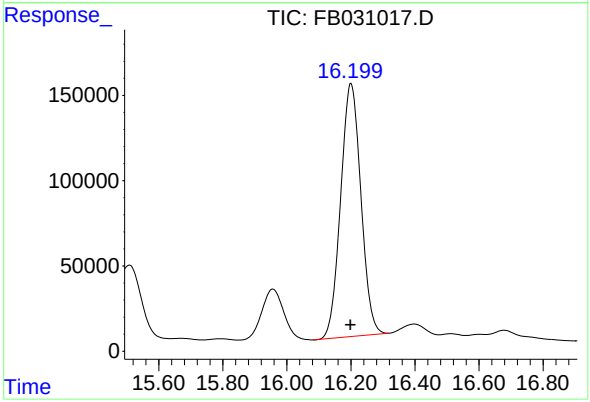
R.T.: 13.194 min
Delta R.T.: 0.000 min
Response: 10305809
Conc: 197.55 ng/ml



#9 O-Xylene

R.T.: 13.924 min
Delta R.T.: 0.002 min
Response: 4028303
Conc: 82.81 ng/ml

Instrument :
FID_B
ClientSampleId :
PT-GAS-SOIL



#10 1,2,4-Trimethylbenzene

R.T.: 16.201 min
Delta R.T.: 0.002 min
Response: 6503969
Conc: 198.48 ng/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB102424\
Data File : FB031017.D
Signal(s) : FID2B.CH
Acq On : 24 Oct 2024 11:47
Sample : P4495-15 500X
Misc : 5.00G/5.00 ML MEOH
ALS Vial : 7 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB100424.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.723	4.537	4.882	BV	13476	1019979	9.74%	1.290%
2	5.685	5.530	5.801	PV	2657	263667	2.52%	0.333%
3	5.971	5.801	6.239	VV	7170	867784	8.29%	1.097%
4	6.387	6.239	6.557	PV	13902	969333	9.26%	1.226%
5	7.146	6.990	7.275	VV	30306	3046444	29.09%	3.853%
6	7.421	7.275	7.590	VV	36046	3700256	35.33%	4.679%
7	7.755	7.590	7.842	VV	35318	2641760	25.22%	3.341%
8	7.893	7.842	7.998	VV	15822	910059	8.69%	1.151%
9	8.078	7.998	8.176	VV	4592	344084	3.29%	0.435%
10	8.264	8.176	8.350	VV	3983	272753	2.60%	0.345%
11	8.561	8.350	8.687	VV	11681	1418556	13.54%	1.794%
12	8.834	8.687	8.984	VV	22933	2084467	19.90%	2.636%
13	9.168	8.984	9.264	VV	14844	1508809	14.41%	1.908%
14	9.389	9.264	9.544	VV	36426	3155489	30.13%	3.990%
15	9.646	9.544	9.955	VV	24003	2149753	20.53%	2.719%
16	10.029	9.955	10.075	VV	1181	67066	0.64%	0.085%
17	10.305	10.075	10.414	VV	24948	2028339	19.37%	2.565%
18	10.468	10.414	10.513	VV	6707	370391	3.54%	0.468%
19	10.626	10.513	10.885	VV	185321	10473222	100.00%	13.245%
20	10.962	10.885	11.087	VV	6274	559723	5.34%	0.708%
21	11.165	11.087	11.349	VV	4930	425072	4.06%	0.538%
22	11.404	11.349	11.500	VV	1130	88741	0.85%	0.112%
23	11.764	11.500	11.804	VV	10989	933126	8.91%	1.180%
24	11.876	11.804	11.983	VV	19579	1159495	11.07%	1.466%
25	12.092	11.983	12.246	VV	14296	882222	8.42%	1.116%
26	12.338	12.246	12.440	VV	2423	155370	1.48%	0.196%
27	12.519	12.440	12.584	VV	500	33579	0.32%	0.042%
28	12.762	12.584	12.903	VV	17705	1079682	10.31%	1.365%
29	13.062	12.903	13.115	VV	57808	2959152	28.25%	3.742%
30	13.194	13.115	13.434	VV	192364	10305685	98.40%	13.033%
31	13.535	13.434	13.651	VV	5330	363725	3.47%	0.460%
32	13.924	13.651	14.038	VV	74156	4028210	38.46%	5.094%
33	14.177	14.038	14.323	VV	11612	1244468	11.88%	1.574%
34	14.421	14.323	14.477	VV	5943	326077	3.11%	0.412%
35	14.537	14.477	14.655	VV	6764	364899	3.48%	0.461%
36	14.701	14.655	14.767	VV	397	16548	0.16%	0.021%

rteres

37	15.064	14.767	15.139	PV	9807	555880	5.31%	0.703%
38	15.233	15.139	15.313	VV	24039	1242131	11.86%	1.571%
39	15.414	15.313	15.640	VV	97900	7060036	67.41%	8.928%
40	15.669	15.640	15.737	VV	1127	45320	0.43%	0.057%
41	15.793	15.737	15.849	VV	846	31420	0.30%	0.040%
42	15.957	15.849	16.081	PV	29892	1418965	13.55%	1.794%
43	16.201	16.081	16.317	PV	148138	6503969	62.10%	8.225%

Sum of corrected areas: 79075701

FB100424.M Fri Oct 25 06:40:55 2024

SHIPPING DOCUMENTS

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Certified Reference Materials

Packing List

Date	Order #
10/21/2024	318989

6390 Joyce Dr., #100
Golden, CO 80403

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

Received : SJ
10/23/24
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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.
240903-01	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	HW1024	7098-04
1	1	0	PT-CR6-SOIL	SOIL/HW Hexavalent Chromium ✓	HW1024	7098-05D
1	1	0	PT-CN-SOIL	SOIL/HW Cyanide	HW1024	7098-06
1	1	0	PT-CORR-SOIL	SOIL/HW Corrosivity/pH ✓	HW1024	7098-11
1	1	0	PT-FP-SOIL	SOIL/HW Flash Point	HW1024	7098-10
1	1	0	PT-AN-SOIL	SOIL/HW Anions ✓	HW1024	7098-08
1	1	0	PT-NUT-SOIL	SOIL/HW Nutrients ✓	HW1024	7098-09B
1	1	0	PT-SOL-SOIL	SOIL/HW Solids	HW1024	7098-31
1	1	0	PT-NO2-SOIL	SOIL/HW Nitrite as N	HW1024	7098-71
1	1	0	PT-GAS-SOIL	SOIL/HW Gasoline	HW1024	7098-96
1	1	0	PT-DIES-SOIL	SOIL/HW Diesel in Soil	HW1024	7098-100
1	1	0	PT-OGR-SOIL	SOIL/HW Oil and Grease ✓	HW1024	7098-94
1	1	0	PT-VOA-SOIL	SOIL/HW Volatiles	HW1024	7098-12
1	1	0	PT-BNA-SOIL	SOIL/HW BNAs	HW1024	7098-13
1	1	0	PT-PEST-SOIL	SOIL/HW Pesticides	HW1024	7098-14
1	1	0	PT-CHLR-SOIL	SOIL/HW Chlordane	HW1024	7098-15
1	1	0	PT-TXP-SOIL	SOIL/HW Toxaphene	HW1024	7098-16
1	1	0	PT-PCB-SOIL	SOIL/HW PCBs	HW1024	7098-17
1	1	0	PT-PCBO-SOIL	SOIL/HW PCBs in Oil	HW1024	7098-88
1	1	0	PT-HERB-SOIL	SOIL/HW Herbicides	HW1024	7098-18
1	1	0	PT-PAH-SOIL	SOIL/HW PAHs	HW1024	7098-22
1	1	0	PT-TRIAZINE-SOIL	SOIL/HW Triazine Pesticides	HW1024	7098-106

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Golden, CO 80403

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Qty Ordered	Qty Shipped	Qty Backorder	Part Number	Part Description	Study Number	Lot Number
1	1	0	PT-NJEPH-SOIL	NJ EPH in SOIL ✓✓	HW1024	7098-105

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