

Cover Page

Order ID : Q2074

Project ID : South River WM Replacement

Client : CDM Smith

Lab Sample Number

Q2074-01
Q2074-02
Q2074-03
Q2074-04
Q2074-05
Q2074-06
Q2074-07
Q2074-08

Client Sample Number

TP-12
TP-7
TP-15
TP-20
TP-38
TP-19
TP-40
TP-18

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: 5/26/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following "Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2074

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 05/26/2025

LAB CHRONICLE

OrderID:	Q2074	OrderDate:	5/16/2025 3:13:00 PM
Client:	CDM Smith	Project:	South River WM Replacement
Contact:	Marcie Ann Encinas	Location:	L31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2074-01	TP-12	SOIL			05/15/25			05/16/25
			Diesel Range Organics	8015D		05/20/25	05/21/25	
			Herbicide	8151A		05/21/25	05/22/25	
			PCB	8082A		05/20/25	05/20/25	
			Pesticide-TCL	8081B		05/20/25	05/20/25	
			Gasoline Range Organics	8015D			05/20/25	
Q2074-02	TP-7	SOIL			05/15/25			05/16/25
			Diesel Range Organics	8015D		05/20/25	05/21/25	
			Herbicide	8151A		05/21/25	05/22/25	
			PCB	8082A		05/20/25	05/20/25	
			Pesticide-TCL	8081B		05/20/25	05/20/25	
			Gasoline Range Organics	8015D			05/20/25	
Q2074-03	TP-15	SOIL			05/15/25			05/16/25
			Diesel Range Organics	8015D		05/20/25	05/21/25	
			Herbicide	8151A		05/21/25	05/22/25	
			PCB	8082A		05/20/25	05/20/25	
			Pesticide-TCL	8081B		05/20/25	05/20/25	
			Gasoline Range Organics	8015D			05/20/25	
Q2074-04	TP-20	SOIL			05/15/25			05/16/25
			Diesel Range Organics	8015D		05/20/25	05/21/25	
			Herbicide	8151A		05/21/25	05/22/25	
			PCB	8082A		05/20/25	05/20/25	
			Pesticide-TCL	8081B		05/20/25	05/20/25	
			Gasoline Range Organics	8015D			05/20/25	
Q2074-05	TP-38	SOIL			05/15/25			05/16/25
			Diesel Range Organics	8015D		05/20/25	05/21/25	
			Gasoline Range Organics	8015D			05/21/25	

LAB CHRONICLE

			Herbicide	8151A	05/21/25	05/22/25	
			PCB	8082A	05/20/25	05/20/25	
			Pesticide-TCL	8081B	05/20/25	05/20/25	
Q2074-06	TP-19	SOIL			05/15/25		05/16/25
			Diesel Range Organics	8015D	05/20/25	05/21/25	
			Herbicide	8151A	05/21/25	05/22/25	
			PCB	8082A	05/20/25	05/20/25	
			Pesticide-TCL	8081B	05/20/25	05/20/25	
			Gasoline Range Organics	8015D		05/20/25	
Q2074-07	TP-40	SOIL			05/15/25		05/16/25
			Diesel Range Organics	8015D	05/20/25	05/21/25	
			Gasoline Range Organics	8015D		05/21/25	
			Herbicide	8151A	05/21/25	05/22/25	
			PCB	8082A	05/20/25	05/20/25	
			Pesticide-TCL	8081B	05/20/25	05/20/25	
Q2074-08	TP-18	SOIL			05/16/25		05/16/25
			Diesel Range Organics	8015D	05/20/25	05/21/25	
			Gasoline Range Organics	8015D		05/21/25	
			Herbicide	8151A	05/21/25	05/23/25	
			PCB	8082A	05/20/25	05/20/25	
			Pesticide-TCL	8081B	05/20/25	05/20/25	



QC SUMMARY

SOIL GASOLINE RANGE ORGANICS SURROGATE RECOVERY

Lab Name: Chemtech Client: CDM Smith
Lab Code: CHEM Case No.: Q2074 SAS No.: Q2074 SDG No.: Q2074

EPA SAMPLE NO.	S1 AAA-TFT	S2	S3	S4	TOT OUT
VBFO520S1	99				0
BSFO520S1	100				0
TP-12	90				0
TP-7	94				0
TP-15	91				0
TP-20	99				0
TP-19	53				0
BSFO520S2	94				0
VBFO521S2	89				0
BSFO521S1	73				0
TP-38	115				0
TP-40	101				0
TP-18	95				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

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

Lab Name: Chemtech **Client:** CDM Smith
Lab Code: CHEM **Cas No:** Q2074 **SAS No :** Q2074 **SDG No:** Q2074
Matrix Spike - EPA Sample No : BSF0520S1 **Datafile:** FB031782.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS
GRO	180	0	161	89	50-150

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

Lab Name: Chemtech **Client:** CDM Smith
Lab Code: CHEM **Cas No:** Q2074 **SAS No :** Q2074 **SDG No:** Q2074
Matrix Spike - EPA Sample No : BSF0520S2 **Datafile:** FB031789.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS
GRO	180	0	177	98	50-150

LCS/LCSD % Recovery RPD : 9.5

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

Lab Name: Chemtech **Client:** CDM Smith
Lab Code: CHEM **Cas No:** Q2074 **SAS No :** Q2074 **SDG No:** Q2074
Matrix Spike - EPA Sample No : BSF0521S1 **Datafile:** FB031800.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS
GRO	180	0	149	83	50-150

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

Lab Name: Chemtech **Client:** CDM Smith
Lab Code: CHEM **Cas No:** Q2074 **SAS No :** Q2074 **SDG No:** Q2074
Matrix Spike - EPA Sample No : BSF0521S2 **Datafile:** FB031804.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS
GRO	180	0	161	89	50-150

LCS/LCSD % Recovery RPD : 7.7

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

Lab Name: Chemtech **Client:** CDM Smith
Lab Code: CHEM **Cas No:** Q2074 **SAS No :** Q2074 **SDG No:** Q2074
Matrix Spike - EPA Sample No : BSF0521S3 **Datafile:** FB031810.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS
GRO	180	0	156	87	50-150

METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBF0520S1

Lab Name: CHEMTECH

Contract: CAMP02

Lab Code: CHEM Case No.: Q2074

SAS No.: Q2074 SDG NO.: Q2074

Lab File ID: FB031780.D

Lab Sample ID: VBF0520S1

Date Analyzed: 05/20/25

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
BSF0520S1	BSF0520S1	FB031782.D	05/20/25
TP-12	Q2074-01	FB031783.D	05/20/25
TP-7	Q2074-02	FB031784.D	05/20/25
TP-15	Q2074-03	FB031785.D	05/20/25
TP-20	Q2074-04	FB031786.D	05/20/25
TP-19	Q2074-06	FB031788.D	05/20/25
BSF0520S2	BSF0520S2	FB031789.D	05/20/25
BSF0521S1	BSF0521S1	FB031800.D	05/21/25

COMMENTS: _____

METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBF0521S2

Lab Name: CHEMTECH

Contract: CAMP02

Lab Code: CHEM Case No.: Q2074

SAS No.: Q2074 SDG NO.: Q2074

Lab File ID: FB031799.D

Lab Sample ID: VBF0521S2

Date Analyzed: 05/21/25

Time Analyzed: 10:12

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
TP-38	Q2074-05	FB031801.D	05/21/25
TP-40	Q2074-07	FB031802.D	05/21/25
TP-18	Q2074-08	FB031803.D	05/21/25

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	05/16/25
Project:	South River WM Replacement	Date Received:	05/16/25
Client Sample ID:	TP-12	SDG No.:	Q2074
Lab Sample ID:	Q2074-01	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	83.5
Sample Wt/Vol:	7.23	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Final Vol:	5
GPC Factor :		Test:	Gasoline Range Organics
Prep Method :		Injection Volume :	

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031783.D	1	05/20/25 11:23	FB052025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	18.0	J	7.00	37.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	18.0		50 - 150	90%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB052025\
Data File : FB031783.D
Signal(s) : FID2B.CH
Acq On : 20 May 2025 11:23
Operator : YP/AJ
Sample : Q2074-01
Misc : 7.23G/5.00 ML DI WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-12

Integration File: Calibration.e
Quant Time: May 20 23:34:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB051925.M
Quant Title :
QLast Update : Mon May 19 10:47:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
5) s AAA-TFT	8.797	390015	18.037 ng/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

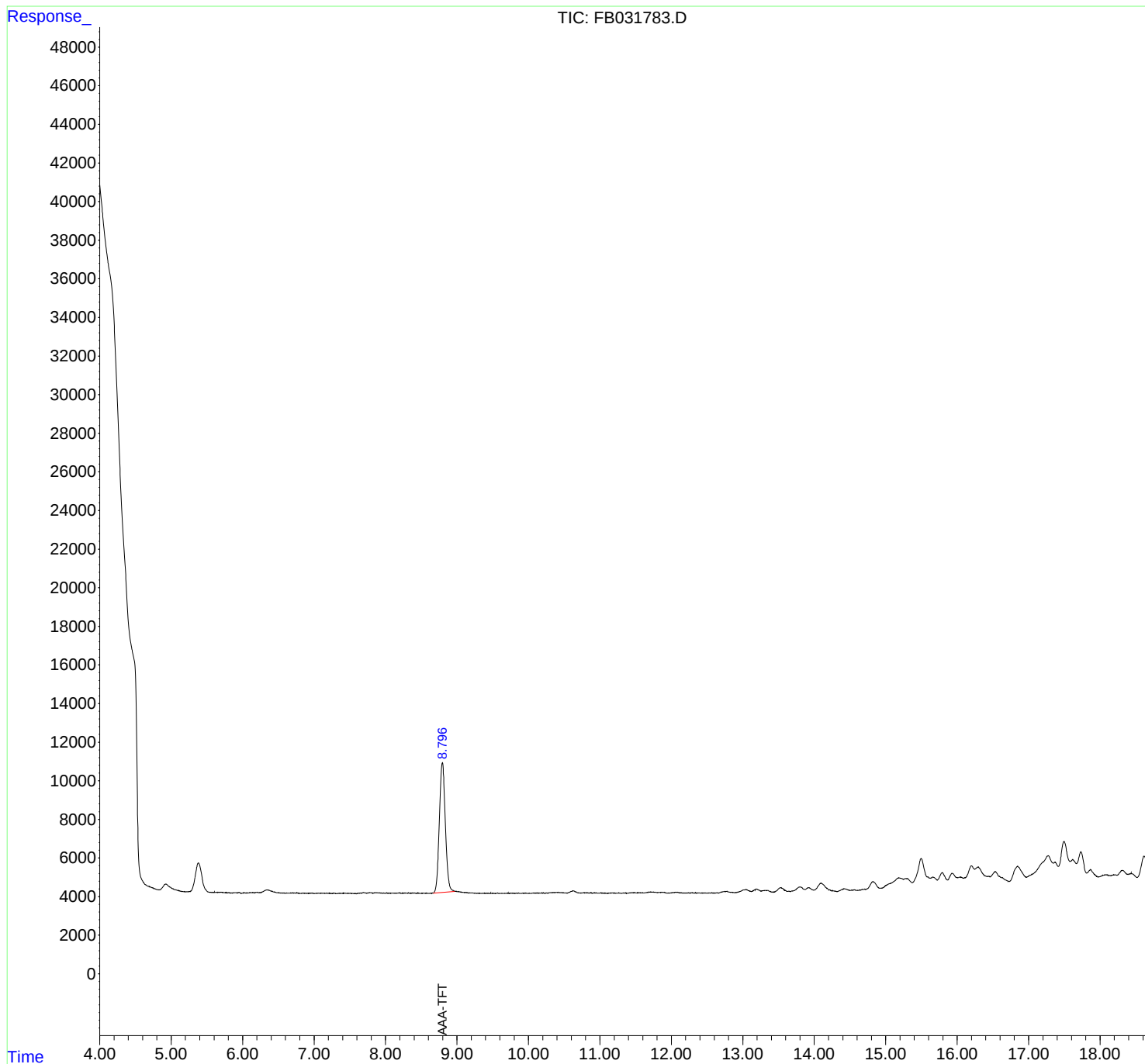
(m)=manual int.

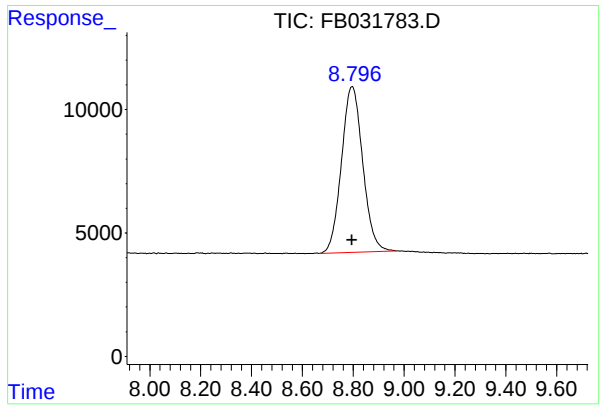
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB052025\
Data File : FB031783.D
Signal(s) : FID2B.CH
Acq On : 20 May 2025 11:23
Operator : YP/AJ
Sample : Q2074-01
Misc : 7.23G/5.00 ML DI WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-12

Integration File: Calibration.e
Quant Time: May 20 23:34:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB051925.M
Quant Title :
QLast Update : Mon May 19 10:47:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#5 AAA-TFT

R.T.: 8.797 min
Delta R.T.: 0.002 min
Response: 390015
Conc: 18.04 ng/ml

Instrument :
FID_B
ClientSampleId :
TP-12

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB052025\
 Data File : FB031783.D
 Signal(s) : FID2B.CH
 Acq On : 20 May 2025 11:23
 Sample : Q2074-01
 Misc : 7.23G/5.00 ML DI WATER
 ALS Vial : 5 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB051925.M
 Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	5.182	5.173	5.205	PV	10	65	0.02%	0.005%
2	5.212	5.205	5.223	PV	15	98	0.02%	0.008%
3	5.582	5.570	5.591	VV	32	254	0.06%	0.021%
4	5.604	5.591	5.623	VV	37	411	0.10%	0.034%
5	5.637	5.623	5.647	VV	36	356	0.09%	0.029%
6	5.662	5.647	5.686	VV	42	684	0.17%	0.056%
7	5.695	5.686	5.701	VV	41	331	0.08%	0.027%
8	5.708	5.701	5.737	VV	43	703	0.17%	0.058%
9	5.753	5.737	5.793	VV	34	792	0.20%	0.065%
10	5.807	5.793	5.856	VV	38	868	0.21%	0.071%
11	5.870	5.856	5.879	VV	38	390	0.10%	0.032%
12	5.904	5.879	5.922	VV	41	919	0.23%	0.075%
13	5.957	5.922	5.981	VV	61	1443	0.36%	0.118%
14	5.991	5.981	6.000	PV	29	239	0.06%	0.020%
15	6.025	6.000	6.039	VV	52	878	0.22%	0.072%
16	6.046	6.039	6.051	VV	36	256	0.06%	0.021%
17	6.060	6.051	6.083	VV	57	786	0.19%	0.064%
18	6.099	6.083	6.107	VV	62	686	0.17%	0.056%
19	6.147	6.107	6.162	VV	70	1881	0.47%	0.154%
20	6.205	6.162	6.222	VV	70	2089	0.52%	0.171%
21	6.338	6.222	6.500	VV	194	19035	4.71%	1.560%
22	6.511	6.500	6.549	VV	56	1235	0.31%	0.101%
23	6.558	6.549	6.598	VV	41	956	0.24%	0.078%
24	6.619	6.598	6.630	VV	37	609	0.15%	0.050%
25	6.655	6.630	6.662	VV	32	545	0.13%	0.045%
26	6.673	6.662	6.681	VV	36	350	0.09%	0.029%
27	6.702	6.681	6.737	VV	51	1249	0.31%	0.102%
28	6.763	6.737	6.781	VV	54	994	0.25%	0.081%
29	6.787	6.781	6.798	VV	44	298	0.07%	0.024%
30	6.849	6.798	6.867	VV	34	933	0.23%	0.076%
31	6.876	6.867	6.884	VV	27	215	0.05%	0.018%
32	6.903	6.884	6.910	VV	29	386	0.10%	0.032%
33	6.919	6.910	6.941	VV	31	467	0.12%	0.038%
34	6.950	6.941	6.958	VV	37	318	0.08%	0.026%
35	6.972	6.958	7.009	VV	44	767	0.19%	0.063%
36	7.059	7.009	7.073	VV	34	912	0.23%	0.075%

					rters				
37	7.086	7.073	7.123	VV	36	846	0.21%	0.069%	
38	7.133	7.123	7.153	VV	31	484	0.12%	0.040%	
39	7.168	7.153	7.179	VV	33	411	0.10%	0.034%	
40	7.184	7.179	7.195	VV	32	270	0.07%	0.022%	
41	7.204	7.195	7.235	VV	34	546	0.14%	0.045%	
42	7.251	7.235	7.268	VV	23	304	0.08%	0.025%	
43	7.277	7.268	7.309	VV	41	541	0.13%	0.044%	
44	7.371	7.309	7.384	VV	28	873	0.22%	0.072%	
45	7.407	7.384	7.422	VV	39	602	0.15%	0.049%	
46	7.437	7.422	7.455	VV	36	555	0.14%	0.046%	
47	7.462	7.455	7.481	VV	27	389	0.10%	0.032%	
48	7.488	7.481	7.497	VV	30	215	0.05%	0.018%	
49	7.509	7.497	7.526	VV	30	375	0.09%	0.031%	
50	7.538	7.526	7.558	VV	20	265	0.07%	0.022%	
51	7.570	7.558	7.580	VV	16	153	0.04%	0.013%	
52	7.586	7.580	7.593	VV	14	75	0.02%	0.006%	
53	7.603	7.593	7.607	PV	21	101	0.02%	0.008%	
54	7.655	7.607	7.668	VV	48	1099	0.27%	0.090%	
55	7.693	7.668	7.731	VV	69	1814	0.45%	0.149%	
56	7.743	7.731	7.751	VV	44	401	0.10%	0.033%	
57	7.777	7.751	7.826	VV	61	2040	0.50%	0.167%	
58	7.861	7.826	7.875	VV	51	1161	0.29%	0.095%	
59	7.881	7.875	7.892	VV	47	433	0.11%	0.035%	
60	7.916	7.892	7.938	VV	43	957	0.24%	0.078%	
61	7.941	7.938	7.957	VV	37	288	0.07%	0.024%	
62	7.973	7.957	7.990	VV	29	390	0.10%	0.032%	
63	8.000	7.990	8.007	VV	20	147	0.04%	0.012%	
64	8.017	8.007	8.027	VV	40	289	0.07%	0.024%	
65	8.035	8.027	8.055	VV	29	283	0.07%	0.023%	
66	8.064	8.055	8.084	VV	29	285	0.07%	0.023%	
67	8.102	8.084	8.122	VV	21	367	0.09%	0.030%	
68	8.190	8.122	8.219	VV	31	931	0.23%	0.076%	
69	8.246	8.219	8.309	PB	17	527	0.13%	0.043%	
70	8.350	8.311	8.361	BV	14	211	0.05%	0.017%	
71	8.388	8.361	8.403	PV	20	330	0.08%	0.027%	
72	8.412	8.403	8.427	VV	21	150	0.04%	0.012%	
73	8.455	8.427	8.488	PV	30	353	0.09%	0.029%	
74	8.539	8.488	8.556	VV	15	371	0.09%	0.030%	
75	8.572	8.556	8.611	VV	22	306	0.08%	0.025%	
76	8.657	8.611	8.666	PV	26	452	0.11%	0.037%	
77	8.796	8.666	9.007	VV	6771	404333	100.00%	33.130%	
78	9.016	9.007	9.067	VV	105	3158	0.78%	0.259%	
79	9.077	9.067	9.111	VV	70	1572	0.39%	0.129%	
80	9.119	9.111	9.165	VV	58	1472	0.36%	0.121%	
81	9.174	9.165	9.188	VV	42	482	0.12%	0.039%	
82	9.212	9.188	9.245	VV	37	950	0.23%	0.078%	
83	9.254	9.245	9.279	VV	20	280	0.07%	0.023%	
84	9.290	9.279	9.320	VV	18	262	0.06%	0.021%	
85	9.327	9.320	9.338	VV	13	94	0.02%	0.008%	
86	9.347	9.338	9.360	VV	15	142	0.04%	0.012%	
87	9.366	9.360	9.377	VV	17	123	0.03%	0.010%	
88	9.383	9.377	9.400	VV	18	191	0.05%	0.016%	
89	9.408	9.400	9.424	VV	21	198	0.05%	0.016%	

					rteres				
90	9.438	9.424	9.452	VV	23	218	0.05%	0.018%	
91	9.473	9.452	9.492	VV	28	303	0.07%	0.025%	
92	9.500	9.492	9.539	VV	21	311	0.08%	0.025%	
93	9.570	9.539	9.589	VV	31	418	0.10%	0.034%	
94	9.628	9.589	9.637	VV	16	298	0.07%	0.024%	
95	9.670	9.637	9.688	VV	15	320	0.08%	0.026%	
96	9.716	9.688	9.730	VV	27	320	0.08%	0.026%	
97	9.746	9.730	9.815	PV	22	783	0.19%	0.064%	
98	9.862	9.815	9.874	VV	28	563	0.14%	0.046%	
99	9.881	9.874	9.901	VV	10	112	0.03%	0.009%	
100	9.919	9.901	9.946	VV	23	366	0.09%	0.030%	
101	9.956	9.946	9.968	VV	24	218	0.05%	0.018%	
102	9.975	9.968	9.999	VV	16	205	0.05%	0.017%	
103	10.010	9.999	10.040	VV	14	159	0.04%	0.013%	
104	10.073	10.040	10.084	VV	27	402	0.10%	0.033%	
105	10.097	10.084	10.114	VV	30	353	0.09%	0.029%	
106	10.123	10.114	10.143	VV	23	301	0.07%	0.025%	
107	10.153	10.143	10.169	VV	22	257	0.06%	0.021%	
108	10.187	10.169	10.197	VV	35	323	0.08%	0.026%	
109	10.211	10.197	10.227	VV	36	328	0.08%	0.027%	
110	10.258	10.227	10.273	PV	29	416	0.10%	0.034%	
111	10.299	10.273	10.309	VV	37	556	0.14%	0.046%	
112	10.350	10.309	10.356	VV	42	949	0.23%	0.078%	
113	10.367	10.356	10.378	VV	39	448	0.11%	0.037%	
114	10.389	10.378	10.407	VV	42	607	0.15%	0.050%	
115	10.417	10.407	10.427	VV	39	370	0.09%	0.030%	
116	10.435	10.427	10.508	VB	30	755	0.19%	0.062%	
117	10.624	10.510	10.730	BV	118	5727	1.42%	0.469%	
118	10.749	10.730	10.757	PV	18	183	0.05%	0.015%	
119	10.770	10.757	10.856	VV	29	1222	0.30%	0.100%	
120	10.866	10.856	10.907	VV	24	424	0.10%	0.035%	
121	10.926	10.907	10.934	VV	30	320	0.08%	0.026%	
122	10.944	10.934	10.993	VV	30	525	0.13%	0.043%	
123	11.014	10.993	11.027	VV	32	367	0.09%	0.030%	
124	11.036	11.027	11.064	VV	23	333	0.08%	0.027%	
125	11.071	11.064	11.100	VV	28	301	0.07%	0.025%	
126	11.170	11.100	11.224	PV	30	1424	0.35%	0.117%	
127	11.249	11.224	11.256	VV	18	274	0.07%	0.022%	
128	11.266	11.256	11.298	VV	35	418	0.10%	0.034%	
129	11.332	11.298	11.346	VV	28	494	0.12%	0.040%	
130	11.356	11.346	11.365	VV	34	262	0.06%	0.021%	
131	11.370	11.365	11.381	VV	20	101	0.02%	0.008%	
132	11.421	11.381	11.429	PV	35	592	0.15%	0.049%	
133	11.446	11.429	11.549	VV	39	2408	0.60%	0.197%	
134	11.559	11.549	11.577	VV	36	524	0.13%	0.043%	
135	11.589	11.577	11.617	VV	40	688	0.17%	0.056%	
136	11.714	11.617	11.742	VV	73	3897	0.96%	0.319%	
137	11.752	11.742	11.811	VV	69	2244	0.55%	0.184%	
138	11.822	11.811	11.835	VV	53	653	0.16%	0.053%	
139	11.855	11.835	11.871	VV	65	1110	0.27%	0.091%	
140	11.884	11.871	11.894	VV	58	698	0.17%	0.057%	
141	11.902	11.894	11.913	VV	55	489	0.12%	0.040%	

					rteres			
142	11.920	11.913	11.936	VV	32	306	0.08%	0.025%
143	11.957	11.936	11.976	VV	18	293	0.07%	0.024%
144	11.998	11.976	12.007	VV	25	317	0.08%	0.026%
145	12.025	12.007	12.036	VV	43	583	0.14%	0.048%
146	12.060	12.036	12.080	VV	54	1169	0.29%	0.096%
147	12.092	12.080	12.136	VV	50	1071	0.26%	0.088%
148	12.144	12.136	12.181	VV	26	355	0.09%	0.029%
149	12.204	12.181	12.214	VV	17	195	0.05%	0.016%
150	12.238	12.214	12.267	VV	26	365	0.09%	0.030%
151	12.297	12.267	12.327	VV	26	516	0.13%	0.042%
152	12.336	12.327	12.356	VV	36	261	0.06%	0.021%
153	12.366	12.356	12.431	VB	20	435	0.11%	0.036%
154	12.470	12.434	12.502	BV	17	335	0.08%	0.027%
155	12.529	12.502	12.546	VV	15	225	0.06%	0.018%
156	12.565	12.546	12.586	PV	25	280	0.07%	0.023%
157	12.596	12.586	12.601	PV	8	48	0.01%	0.004%
158	12.611	12.601	12.621	VV	16	104	0.03%	0.009%
159	12.641	12.621	12.662	VV	26	289	0.07%	0.024%
160	12.702	12.662	12.709	VV	62	878	0.22%	0.072%
161	12.746	12.709	12.763	VV	87	2326	0.58%	0.191%
162	12.781	12.763	12.826	VV	88	2333	0.58%	0.191%
163	12.835	12.826	12.845	VV	42	400	0.10%	0.033%
164	12.855	12.845	12.864	VV	44	331	0.08%	0.027%
165	12.872	12.864	12.884	VV	30	216	0.05%	0.018%
166	12.902	12.884	12.910	VV	24	260	0.06%	0.021%
167	12.938	12.910	12.947	VV	46	807	0.20%	0.066%
168	13.018	12.947	13.029	VV	154	5419	1.34%	0.444%
169	13.044	13.029	13.121	VV	173	6549	1.62%	0.537%
170	13.190	13.121	13.255	VV	190	10072	2.49%	0.825%
171	13.309	13.255	13.340	VV	111	4884	1.21%	0.400%
172	13.349	13.340	13.399	VV	109	2542	0.63%	0.208%
173	13.416	13.399	13.428	VV	27	384	0.10%	0.031%
174	13.533	13.428	13.627	VV	237	14699	3.64%	1.204%
175	13.653	13.627	13.672	VV	52	1111	0.27%	0.091%
176	13.689	13.672	13.697	VV	60	762	0.19%	0.062%
177	13.802	13.697	13.876	VV	268	18390	4.55%	1.507%
178	13.930	13.876	13.991	VV	223	11423	2.83%	0.936%
179	14.097	13.991	14.210	VV	442	33819	8.36%	2.771%
180	14.219	14.210	14.315	VV	95	2591	0.64%	0.212%
181	14.420	14.315	14.510	PV	129	7586	1.88%	0.622%
182	14.525	14.510	14.532	VV	40	411	0.10%	0.034%
183	14.560	14.532	14.593	VV	53	1299	0.32%	0.106%
184	14.607	14.593	14.619	VV	18	142	0.04%	0.012%
185	14.709	14.619	14.719	PV	57	1955	0.48%	0.160%
186	14.828	14.719	14.922	VV	421	25405	6.28%	2.082%
187	15.179	14.922	15.248	VV	535	59534	14.72%	4.878%
188	15.282	15.248	15.297	VV	475	13522	3.34%	1.108%
189	15.305	15.297	15.372	VV	470	15962	3.95%	1.308%
190	15.498	15.372	15.624	VV	1464	113641	28.11%	9.311%
191	15.633	15.624	15.637	VV	423	3367	0.83%	0.276%
192	15.663	15.637	15.720	VV	459	20085	4.97%	1.646%
193	15.792	15.720	15.864	VV	663	40068	9.91%	3.283%
194	15.930	15.864	16.011	VV	599	38893	9.62%	3.187%

						rteres		
195	16.044	16.011	16.094	VV	376	17309	4.28%	1.418%
196	16.202	16.094	16.246	VV	925	58009	14.35%	4.753%
197	16.296	16.246	16.430	VV	852	65255	16.14%	5.347%
198	16.449	16.430	16.467	VV	329	6893	1.70%	0.565%
199	16.535	16.467	16.634	VV	547	37739	9.33%	3.092%
200	16.638	16.634	16.715	VV	220	4861	1.20%	0.398%
201	16.846	16.715	16.977	PV	681	47594	11.77%	3.900%
						Sum of corrected areas:	1220453	

FB051925.M Wed May 21 00:20:03 2025

Report of Analysis

Client:	CDM Smith	Date Collected:	05/16/25
Project:	South River WM Replacement	Date Received:	05/16/25
Client Sample ID:	TP-7	SDG No.:	Q2074
Lab Sample ID:	Q2074-02	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	88.7
Sample Wt/Vol:	4.91	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Final Vol:	5
GPC Factor :		Test:	Gasoline Range Organics
Prep Method :		Injection Volume :	

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031784.D	1	05/20/25 11:50	FB052025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	13.0	J	9.00	52.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	18.7		50 - 150	94%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB052025\
Data File : FB031784.D
Signal(s) : FID2B.CH
Acq On : 20 May 2025 11:50
Operator : YP/AJ
Sample : Q2074-02
Misc : 4.91G/5.00 ML DI WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-7

Integration File: Calibration.e
Quant Time: May 20 23:34:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB051925.M
Quant Title :
QLast Update : Mon May 19 10:47:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
5) s AAA-TFT	8.797	404818	18.721 ng/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

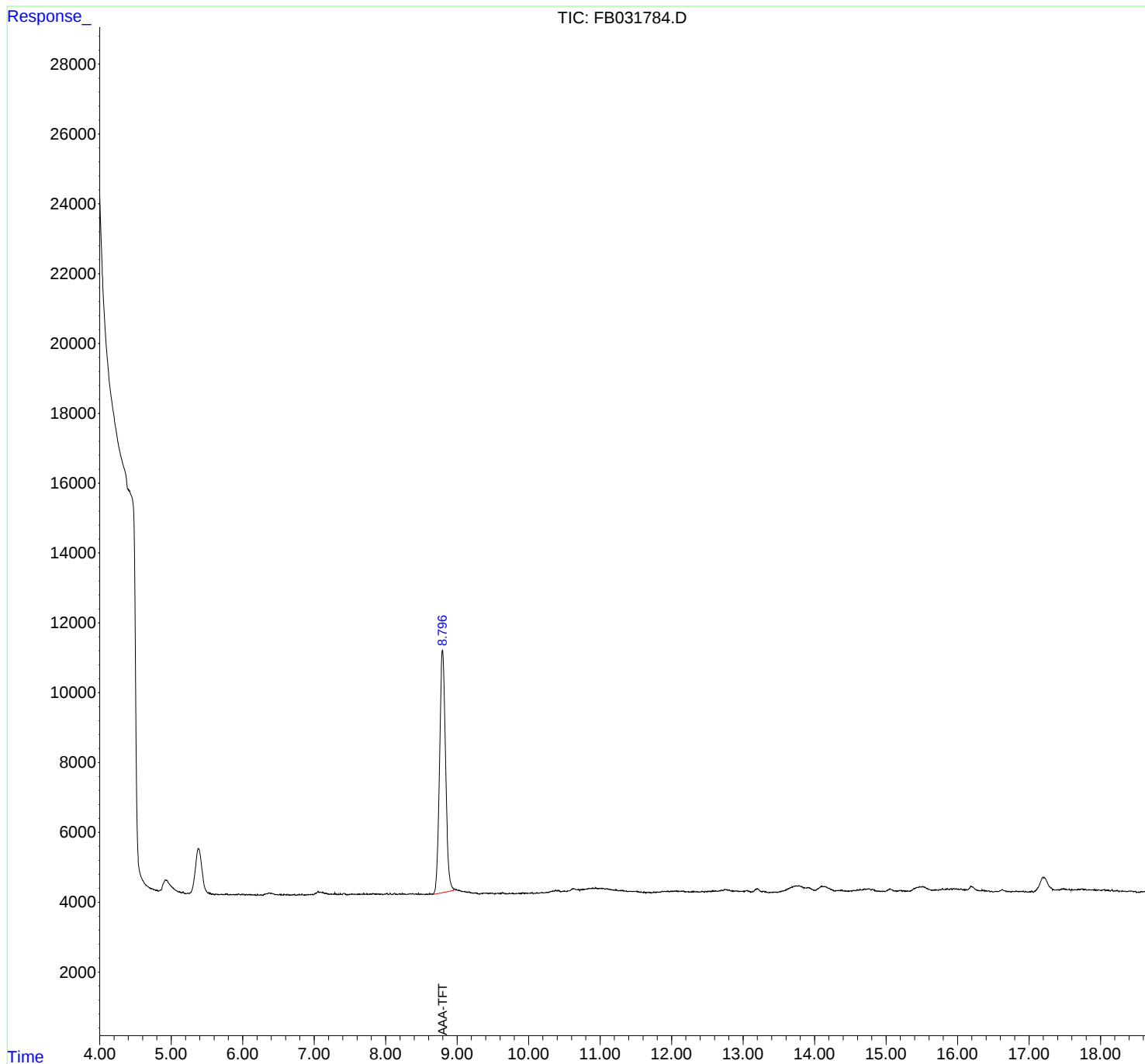
(m)=manual int.

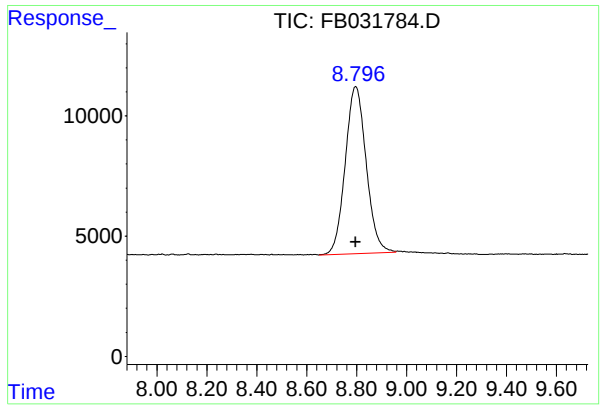
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB052025\
Data File : FB031784.D
Signal(s) : FID2B.CH
Acq On : 20 May 2025 11:50
Operator : YP/AJ
Sample : Q2074-02
Misc : 4.91G/5.00 ML DI WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-7

Integration File: Calibration.e
Quant Time: May 20 23:34:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB051925.M
Quant Title :
QLast Update : Mon May 19 10:47:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#5 AAA-TFT

R.T.: 8.797 min
Delta R.T.: 0.001 min
Response: 404818
Conc: 18.72 ng/ml

Instrument :
FID_B
ClientSampleId :
TP-7

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB052025\
Data File : FB031784.D
Signal(s) : FID2B.CH
Acq On : 20 May 2025 11:50
Sample : Q2074-02
Misc : 4.91G/5.00 ML DI WATER
ALS Vial : 6 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB051925.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	5.121	5.109	5.151	VV	44	721	0.17%	0.084%
2	5.171	5.151	5.188	VV	45	556	0.13%	0.065%
3	5.196	5.188	5.211	VV	13	97	0.02%	0.011%
4	5.232	5.211	5.252	PV	27	430	0.10%	0.050%
5	5.522	5.514	5.534	VV	57	514	0.12%	0.060%
6	5.547	5.534	5.575	VV	58	671	0.16%	0.078%
7	5.584	5.575	5.609	VV	29	294	0.07%	0.034%
8	5.625	5.609	5.683	PV	26	526	0.13%	0.061%
9	5.711	5.683	5.742	VV	19	446	0.11%	0.052%
10	5.766	5.742	5.804	VV	39	695	0.17%	0.081%
11	5.831	5.804	5.845	VV	20	311	0.07%	0.036%
12	5.866	5.845	5.895	VV	21	464	0.11%	0.054%
13	5.906	5.895	5.915	VV	27	198	0.05%	0.023%
14	5.922	5.915	5.926	VV	19	98	0.02%	0.011%
15	5.940	5.926	5.979	VV	41	756	0.18%	0.088%
16	5.992	5.979	6.006	VV	36	417	0.10%	0.049%
17	6.018	6.006	6.038	VV	35	431	0.10%	0.050%
18	6.056	6.038	6.102	VV	36	839	0.20%	0.098%
19	6.128	6.102	6.153	VV	33	658	0.16%	0.077%
20	6.166	6.153	6.174	VV	30	273	0.07%	0.032%
21	6.180	6.174	6.190	VV	27	148	0.04%	0.017%
22	6.208	6.190	6.235	PV	35	462	0.11%	0.054%
23	6.256	6.235	6.282	VV	27	467	0.11%	0.054%
24	6.363	6.282	6.396	VV	80	3450	0.83%	0.401%
25	6.405	6.396	6.474	VV	69	2017	0.48%	0.235%
26	6.481	6.474	6.495	VV	31	312	0.07%	0.036%
27	6.517	6.495	6.529	VV	37	426	0.10%	0.050%
28	6.544	6.529	6.563	VV	31	400	0.10%	0.047%
29	6.582	6.563	6.611	VV	37	633	0.15%	0.074%
30	6.623	6.611	6.648	VV	29	472	0.11%	0.055%
31	6.658	6.648	6.666	VV	24	126	0.03%	0.015%
32	6.677	6.666	6.685	VV	20	158	0.04%	0.018%
33	6.697	6.685	6.710	VV	25	291	0.07%	0.034%
34	6.725	6.710	6.751	VV	30	439	0.11%	0.051%
35	6.796	6.751	6.815	VV	31	681	0.16%	0.079%
36	6.829	6.815	6.845	VV	42	412	0.10%	0.048%

					rteres			
37	6.850	6.845	6.877	VV	16	223	0.05%	0.026%
38	6.903	6.877	6.911	VV	28	353	0.08%	0.041%
39	6.955	6.911	6.965	VV	28	683	0.16%	0.079%
40	7.054	6.965	7.068	VV	119	3430	0.82%	0.399%
41	7.076	7.068	7.108	VV	97	2114	0.51%	0.246%
42	7.119	7.108	7.147	VV	97	1704	0.41%	0.198%
43	7.162	7.147	7.198	VV	63	1515	0.36%	0.176%
44	7.204	7.198	7.224	VV	38	503	0.12%	0.059%
45	7.235	7.224	7.265	VV	36	784	0.19%	0.091%
46	7.296	7.265	7.306	VV	51	921	0.22%	0.107%
47	7.316	7.306	7.331	VV	36	403	0.10%	0.047%
48	7.343	7.331	7.357	VV	40	384	0.09%	0.045%
49	7.369	7.357	7.391	VV	41	590	0.14%	0.069%
50	7.423	7.391	7.472	VV	55	1530	0.37%	0.178%
51	7.480	7.472	7.502	VV	26	386	0.09%	0.045%
52	7.520	7.502	7.549	VV	39	815	0.20%	0.095%
53	7.564	7.549	7.574	VV	34	409	0.10%	0.048%
54	7.587	7.574	7.604	VV	30	425	0.10%	0.049%
55	7.611	7.604	7.620	VV	33	237	0.06%	0.028%
56	7.634	7.620	7.677	VV	33	872	0.21%	0.101%
57	7.691	7.677	7.703	VV	59	555	0.13%	0.065%
58	7.739	7.703	7.750	VV	45	758	0.18%	0.088%
59	7.786	7.750	7.808	VV	35	964	0.23%	0.112%
60	7.817	7.808	7.852	VV	49	932	0.22%	0.108%
61	7.861	7.852	7.875	VV	35	399	0.10%	0.046%
62	7.884	7.875	7.932	VV	33	920	0.22%	0.107%
63	7.947	7.932	7.966	VV	31	475	0.11%	0.055%
64	7.983	7.966	7.997	VV	34	459	0.11%	0.053%
65	8.023	7.997	8.038	VV	53	812	0.19%	0.094%
66	8.064	8.038	8.091	VV	51	821	0.20%	0.096%
67	8.126	8.091	8.169	VV	58	1221	0.29%	0.142%
68	8.190	8.169	8.225	VV	30	874	0.21%	0.102%
69	8.237	8.225	8.259	VV	50	628	0.15%	0.073%
70	8.266	8.259	8.285	VV	32	358	0.09%	0.042%
71	8.317	8.285	8.329	VV	30	547	0.13%	0.064%
72	8.345	8.329	8.359	VV	34	533	0.13%	0.062%
73	8.379	8.359	8.397	VV	41	654	0.16%	0.076%
74	8.422	8.397	8.453	VV	36	776	0.19%	0.090%
75	8.461	8.453	8.499	VV	45	583	0.14%	0.068%
76	8.507	8.499	8.517	VV	26	210	0.05%	0.024%
77	8.529	8.517	8.549	VV	22	321	0.08%	0.037%
78	8.575	8.549	8.589	VV	24	407	0.10%	0.047%
79	8.630	8.589	8.648	VV	33	762	0.18%	0.089%
80	8.796	8.648	8.957	VV	7010	416833	100.00%	48.503%
81	8.964	8.957	9.010	VV	170	4670	1.12%	0.543%
82	9.018	9.010	9.085	VV	130	4989	1.20%	0.580%
83	9.090	9.085	9.130	VV	98	2294	0.55%	0.267%
84	9.138	9.130	9.152	VV	78	980	0.24%	0.114%
85	9.167	9.152	9.202	VV	88	1992	0.48%	0.232%
86	9.205	9.202	9.227	VV	55	710	0.17%	0.083%
87	9.258	9.227	9.305	VV	55	1817	0.44%	0.211%
88	9.336	9.305	9.350	VV	40	784	0.19%	0.091%
89	9.411	9.350	9.458	VV	49	2471	0.59%	0.288%

					rteres			
90	9.466	9.458	9.526	VV	49	1480	0.36%	0.172%
91	9.568	9.526	9.589	VV	40	1202	0.29%	0.140%
92	9.634	9.589	9.720	VV	61	2536	0.61%	0.295%
93	9.734	9.720	9.759	VV	37	712	0.17%	0.083%
94	9.770	9.759	9.791	VV	42	621	0.15%	0.072%
95	9.798	9.791	9.805	VV	32	203	0.05%	0.024%
96	9.860	9.805	9.904	VV	41	1791	0.43%	0.208%
97	9.922	9.904	9.941	VV	57	851	0.20%	0.099%
98	9.952	9.941	10.017	VV	45	1547	0.37%	0.180%
99	10.040	10.017	10.069	VV	52	1156	0.28%	0.134%
100	10.081	10.069	10.103	VV	40	639	0.15%	0.074%
101	10.121	10.103	10.147	VV	54	1053	0.25%	0.123%
102	10.176	10.147	10.200	VV	60	1479	0.35%	0.172%
103	10.251	10.200	10.260	VV	63	1768	0.42%	0.206%
104	10.343	10.260	10.356	VV	101	4339	1.04%	0.505%
105	10.380	10.356	10.398	VV	122	2569	0.62%	0.299%
106	10.406	10.398	10.456	VV	113	3407	0.82%	0.396%
107	10.501	10.456	10.527	VV	95	3588	0.86%	0.417%
108	10.616	10.527	10.685	VV	162	11846	2.84%	1.378%
109	10.694	10.685	10.719	VV	139	2568	0.62%	0.299%
110	10.732	10.719	10.741	VV	144	1741	0.42%	0.203%
111	10.755	10.741	10.772	VV	147	2489	0.60%	0.290%
112	10.789	10.772	10.797	VV	143	2031	0.49%	0.236%
113	10.812	10.797	10.818	VV	150	1889	0.45%	0.220%
114	10.844	10.818	10.856	VV	172	3582	0.86%	0.417%
115	10.884	10.856	10.891	VV	172	3379	0.81%	0.393%
116	10.899	10.891	10.915	VV	182	2459	0.59%	0.286%
117	10.953	10.915	10.967	VV	177	5191	1.25%	0.604%
118	11.000	10.967	11.010	VV	168	4120	0.99%	0.479%
119	11.023	11.010	11.031	VV	166	2120	0.51%	0.247%
120	11.039	11.031	11.065	VV	168	3198	0.77%	0.372%
121	11.072	11.065	11.081	VV	154	1420	0.34%	0.165%
122	11.094	11.081	11.129	VV	162	4266	1.02%	0.496%
123	11.137	11.129	11.184	VV	138	4134	0.99%	0.481%
124	11.194	11.184	11.205	VV	121	1432	0.34%	0.167%
125	11.220	11.205	11.265	VV	121	3885	0.93%	0.452%
126	11.319	11.265	11.357	VV	110	5290	1.27%	0.615%
127	11.371	11.357	11.394	VV	95	1752	0.42%	0.204%
128	11.407	11.394	11.457	VV	82	2775	0.67%	0.323%
129	11.465	11.457	11.479	VV	77	963	0.23%	0.112%
130	11.503	11.479	11.604	VV	80	4457	1.07%	0.519%
131	11.613	11.604	11.701	VV	64	2543	0.61%	0.296%
132	11.709	11.701	11.718	VV	48	417	0.10%	0.049%
133	11.752	11.718	11.764	VV	61	1158	0.28%	0.135%
134	11.772	11.764	11.790	VV	51	706	0.17%	0.082%
135	11.804	11.790	11.814	VV	54	719	0.17%	0.084%
136	11.825	11.814	11.834	VV	59	590	0.14%	0.069%
137	11.869	11.834	11.890	VV	78	2130	0.51%	0.248%
138	11.899	11.890	11.927	VV	72	1473	0.35%	0.171%
139	11.952	11.927	11.961	VV	83	1423	0.34%	0.166%
140	11.968	11.961	11.978	VV	77	700	0.17%	0.082%
141	11.989	11.978	12.002	VV	84	1010	0.24%	0.117%

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142	12.013	12.002	12.022	VV	81	873	0.21%	0.102%
143	12.062	12.022	12.071	VV	90	2303	0.55%	0.268%
144	12.078	12.071	12.089	VV	90	804	0.19%	0.094%
145	12.100	12.089	12.123	VV	83	1508	0.36%	0.175%
146	12.136	12.123	12.151	VV	79	1213	0.29%	0.141%
147	12.168	12.151	12.207	VV	78	2188	0.52%	0.255%
148	12.218	12.207	12.263	VV	62	1834	0.44%	0.213%
149	12.291	12.263	12.332	VV	66	2323	0.56%	0.270%
150	12.350	12.332	12.400	VV	67	2213	0.53%	0.258%
151	12.427	12.400	12.462	VV	67	2159	0.52%	0.251%
152	12.472	12.462	12.494	VV	67	1129	0.27%	0.131%
153	12.508	12.494	12.544	VV	77	1955	0.47%	0.227%
154	12.553	12.544	12.561	VV	74	641	0.15%	0.075%
155	12.579	12.561	12.591	VV	88	1276	0.31%	0.148%
156	12.601	12.591	12.614	VV	81	1014	0.24%	0.118%
157	12.622	12.614	12.645	VV	82	1335	0.32%	0.155%
158	12.668	12.645	12.678	VV	86	1516	0.36%	0.176%
159	12.695	12.678	12.714	VV	103	1982	0.48%	0.231%
160	12.743	12.714	12.759	VV	124	2883	0.69%	0.335%
161	12.764	12.759	12.795	VV	120	2331	0.56%	0.271%
162	12.807	12.795	12.837	VV	110	2241	0.54%	0.261%
163	12.845	12.837	12.899	VV	80	2725	0.65%	0.317%
164	12.907	12.899	12.919	VV	81	880	0.21%	0.102%
165	12.933	12.919	13.013	VV	77	3612	0.87%	0.420%
166	13.022	13.013	13.030	VV	75	657	0.16%	0.077%
167	13.053	13.030	13.077	VV	83	2160	0.52%	0.251%
168	13.085	13.077	13.124	VV	69	1410	0.34%	0.164%
169	13.193	13.124	13.264	VV	139	7458	1.79%	0.868%
170	13.278	13.264	13.305	VV	65	1383	0.33%	0.161%
171	13.314	13.305	13.355	VV	53	1080	0.26%	0.126%
172	13.417	13.355	13.425	VV	41	1172	0.28%	0.136%
173	13.443	13.425	13.495	VV	45	1471	0.35%	0.171%
174	13.746	13.495	13.764	VV	215	20583	4.94%	2.395%
175	13.786	13.764	13.884	VV	227	13181	3.16%	1.534%
176	13.907	13.884	14.005	VV	165	9425	2.26%	1.097%
177	14.103	14.005	14.293	VV	196	23573	5.66%	2.743%
178	14.341	14.293	14.362	VV	80	3036	0.73%	0.353%
179	14.373	14.362	14.412	VV	89	2276	0.55%	0.265%
180	14.425	14.412	14.481	VV	70	2413	0.58%	0.281%
181	14.507	14.481	14.524	VV	67	1516	0.36%	0.176%
182	14.544	14.524	14.574	VV	82	2182	0.52%	0.254%
183	14.705	14.574	14.719	VV	121	7978	1.91%	0.928%
184	14.760	14.719	14.791	VV	120	4800	1.15%	0.559%
185	14.814	14.791	14.880	VV	111	4190	1.01%	0.488%
186	14.897	14.880	14.921	VV	56	1233	0.30%	0.144%
187	14.942	14.921	14.958	VV	53	1032	0.25%	0.120%
188	14.969	14.958	14.989	VV	52	849	0.20%	0.099%
189	15.055	14.989	15.172	VV	119	7885	1.89%	0.917%
190	15.202	15.172	15.286	VV	73	3948	0.95%	0.459%
191	15.303	15.286	15.338	VV	52	1530	0.37%	0.178%
192	15.517	15.338	15.645	VV	184	23259	5.58%	2.706%
193	15.689	15.645	15.735	VV	90	4101	0.98%	0.477%
194	15.754	15.735	15.773	VV	89	1943	0.47%	0.226%

[illegible]

FB051925.M Wed May 21 00:21:28 2025

Report of Analysis

Client:	CDM Smith	Date Collected:	05/16/25
Project:	South River WM Replacement	Date Received:	05/16/25
Client Sample ID:	TP-15	SDG No.:	Q2074
Lab Sample ID:	Q2074-03	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	87
Sample Wt/Vol:	5.74	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Gasoline Range Organics
GPC Factor :		Injection Volume :	
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031785.D	1	05/20/25 12:27	FB052025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	8.00	U	8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	18.2		50 - 150	91%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB052025\
Data File : FB031785.D
Signal(s) : FID2B.CH
Acq On : 20 May 2025 12:27
Operator : YP/AJ
Sample : Q2074-03
Misc : 5.74G/5.00 ML DI WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-15

Integration File: Calibration.e
Quant Time: May 20 23:34:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB051925.M
Quant Title :
QLast Update : Mon May 19 10:47:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
5) s AAA-TFT	8.794	393017	18.175 ng/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

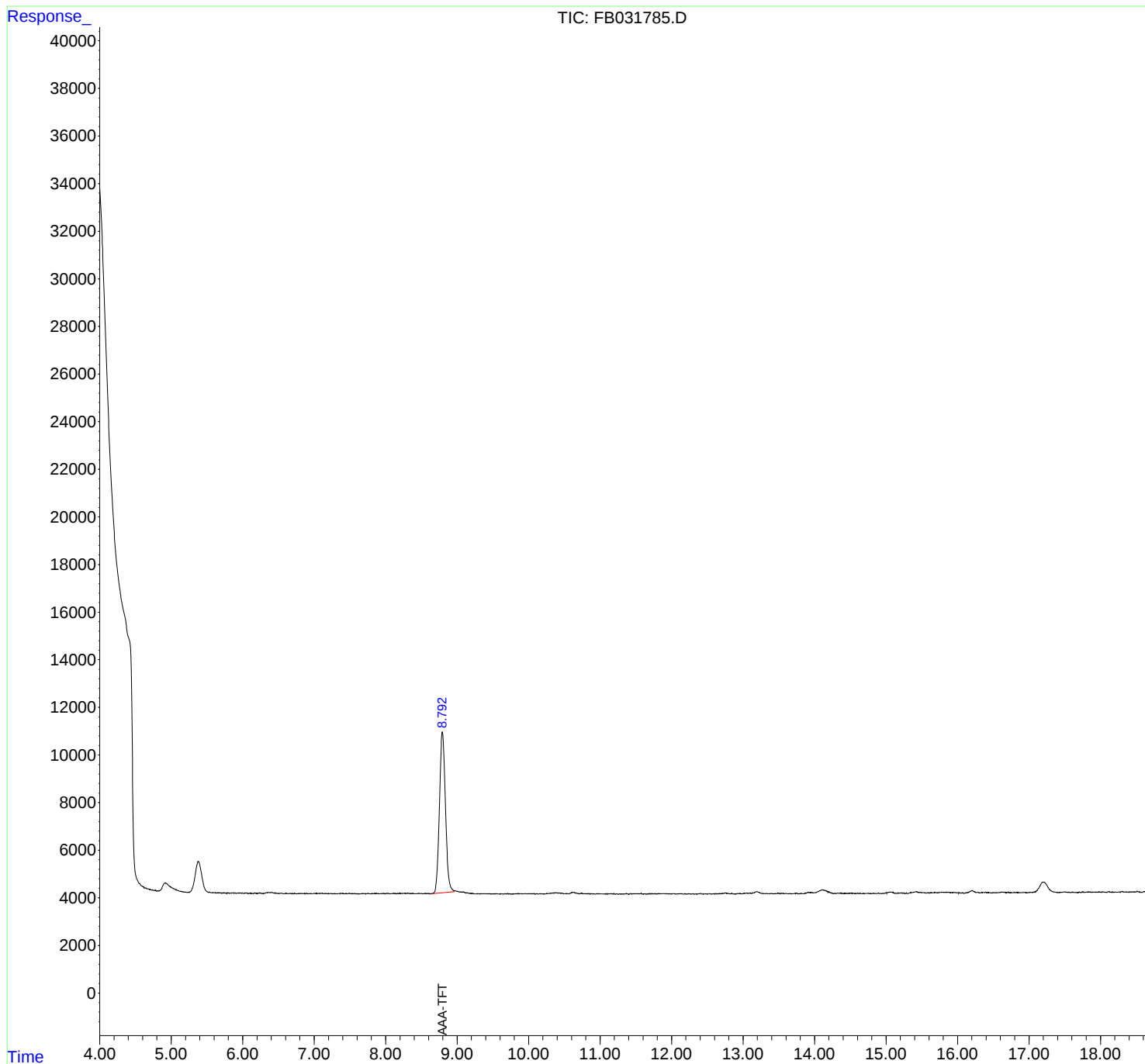
(m)=manual int.

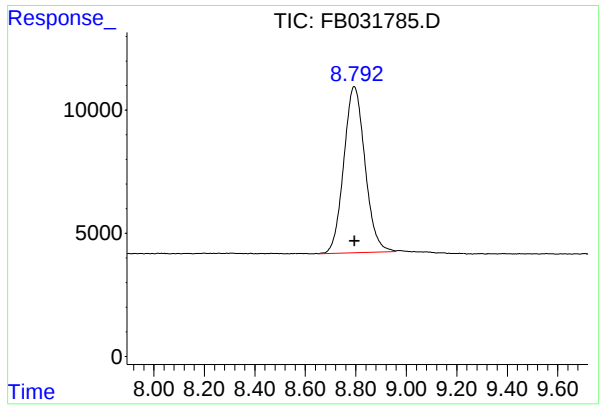
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB052025\
Data File : FB031785.D
Signal(s) : FID2B.CH
Acq On : 20 May 2025 12:27
Operator : YP/AJ
Sample : Q2074-03
Misc : 5.74G/5.00 ML DI WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-15

Integration File: Calibration.e
Quant Time: May 20 23:34:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB051925.M
Quant Title :
QLast Update : Mon May 19 10:47:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#5 AAA-TFT

R.T.: 8.794 min
Delta R.T.: -0.002 min
Response: 393017
Conc: 18.18 ng/ml

Instrument :
FID_B
ClientSampleId :
TP-15

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB052025\
 Data File : FB031785.D
 Signal(s) : FID2B.CH
 Acq On : 20 May 2025 12:27
 Sample : Q2074-03
 Misc : 5.74G/5.00 ML DI WATER
 ALS Vial : 7 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB051925.M
 Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.673	4.637	4.729	BV	6	251	0.06%	0.043%
2	4.738	4.729	4.807	PV	24	416	0.10%	0.071%
3	5.235	5.222	5.247	PV	9	71	0.02%	0.012%
4	5.531	5.522	5.595	VV	41	1002	0.24%	0.171%
5	5.603	5.595	5.631	VV	21	355	0.09%	0.061%
6	5.664	5.631	5.678	VV	32	542	0.13%	0.093%
7	5.685	5.678	5.712	VV	22	345	0.08%	0.059%
8	5.743	5.712	5.776	VV	29	675	0.16%	0.115%
9	5.787	5.776	5.832	PV	31	666	0.16%	0.114%
10	5.877	5.832	5.886	VV	31	748	0.18%	0.128%
11	5.896	5.886	5.910	VV	32	298	0.07%	0.051%
12	5.973	5.910	5.988	VV	31	1023	0.25%	0.175%
13	5.995	5.988	6.010	VV	27	211	0.05%	0.036%
14	6.036	6.010	6.080	VV	33	837	0.20%	0.143%
15	6.106	6.080	6.118	PV	28	348	0.08%	0.060%
16	6.127	6.118	6.151	VV	28	309	0.07%	0.053%
17	6.169	6.151	6.204	VV	34	625	0.15%	0.107%
18	6.232	6.204	6.274	VV	42	872	0.21%	0.149%
19	6.302	6.274	6.312	VV	30	392	0.09%	0.067%
20	6.341	6.312	6.349	VV	52	859	0.21%	0.147%
21	6.364	6.349	6.383	VV	60	1028	0.25%	0.176%
22	6.394	6.383	6.505	VV	60	2464	0.59%	0.422%
23	6.514	6.505	6.527	VV	20	200	0.05%	0.034%
24	6.542	6.527	6.564	VV	30	453	0.11%	0.078%
25	6.577	6.564	6.585	VV	12	112	0.03%	0.019%
26	6.614	6.585	6.639	VV	29	486	0.12%	0.083%
27	6.654	6.639	6.669	VV	20	230	0.06%	0.039%
28	6.675	6.669	6.686	VV	23	113	0.03%	0.019%
29	6.703	6.686	6.717	VV	14	145	0.03%	0.025%
30	6.727	6.717	6.761	PV	23	253	0.06%	0.043%
31	6.776	6.761	6.783	VV	16	109	0.03%	0.019%
32	6.803	6.783	6.851	VV	18	565	0.14%	0.097%
33	6.861	6.851	6.880	VV	23	230	0.06%	0.039%
34	6.891	6.880	6.915	VV	25	278	0.07%	0.048%
35	6.942	6.915	6.988	PV	18	450	0.11%	0.077%
36	7.001	6.988	7.031	VV	23	447	0.11%	0.076%

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37	7.038	7.031	7.050	VV	32	267	0.06%	0.046%
38	7.060	7.050	7.081	VV	25	367	0.09%	0.063%
39	7.089	7.081	7.141	VV	30	769	0.18%	0.132%
40	7.160	7.141	7.168	VV	24	274	0.07%	0.047%
41	7.177	7.168	7.186	VV	24	183	0.04%	0.031%
42	7.195	7.186	7.204	VV	24	142	0.03%	0.024%
43	7.215	7.204	7.225	VV	17	177	0.04%	0.030%
44	7.234	7.225	7.262	VV	22	285	0.07%	0.049%
45	7.286	7.262	7.295	VV	23	279	0.07%	0.048%
46	7.305	7.295	7.314	VV	17	117	0.03%	0.020%
47	7.373	7.314	7.388	VV	26	768	0.18%	0.131%
48	7.401	7.388	7.420	VV	33	401	0.10%	0.069%
49	7.444	7.420	7.468	VV	27	495	0.12%	0.085%
50	7.489	7.468	7.522	VV	32	604	0.14%	0.103%
51	7.534	7.522	7.545	VV	27	198	0.05%	0.034%
52	7.563	7.545	7.574	VV	26	282	0.07%	0.048%
53	7.583	7.574	7.591	VV	19	142	0.03%	0.024%
54	7.599	7.591	7.649	VV	15	275	0.07%	0.047%
55	7.715	7.649	7.724	VV	30	847	0.20%	0.145%
56	7.751	7.724	7.789	PV	37	742	0.18%	0.127%
57	7.820	7.789	7.894	VV	28	1336	0.32%	0.229%
58	8.019	7.894	8.089	VV	35	2530	0.61%	0.433%
59	8.124	8.089	8.158	VV	32	984	0.24%	0.168%
60	8.201	8.158	8.233	VV	35	1263	0.30%	0.216%
61	8.260	8.233	8.294	VV	40	1118	0.27%	0.191%
62	8.313	8.294	8.400	VV	42	1731	0.42%	0.296%
63	8.477	8.400	8.520	VV	29	1659	0.40%	0.284%
64	8.558	8.520	8.618	VV	25	1281	0.31%	0.219%
65	8.794	8.618	9.188	VV	6812	416520	100.00%	71.292%
66	9.210	9.188	9.266	VV	35	1002	0.24%	0.171%
67	9.298	9.266	9.314	VV	28	491	0.12%	0.084%
68	9.383	9.314	9.422	VV	27	1109	0.27%	0.190%
69	9.449	9.422	9.473	VV	21	484	0.12%	0.083%
70	9.513	9.473	9.527	VV	19	430	0.10%	0.074%
71	9.555	9.527	9.594	VV	27	583	0.14%	0.100%
72	9.614	9.594	9.655	VV	15	416	0.10%	0.071%
73	9.670	9.655	9.687	VV	22	269	0.06%	0.046%
74	9.707	9.687	9.780	VV	27	790	0.19%	0.135%
75	9.851	9.780	9.867	VV	29	937	0.22%	0.160%
76	9.894	9.867	9.926	VV	26	684	0.16%	0.117%
77	9.957	9.926	9.981	VV	26	699	0.17%	0.120%
78	10.005	9.981	10.043	VV	24	685	0.16%	0.117%
79	10.045	10.043	10.058	VV	25	181	0.04%	0.031%
80	10.072	10.058	10.095	VV	30	362	0.09%	0.062%
81	10.107	10.095	10.133	VV	22	354	0.08%	0.061%
82	10.167	10.133	10.218	VV	27	835	0.20%	0.143%
83	10.257	10.218	10.272	VV	38	736	0.18%	0.126%
84	10.373	10.272	10.424	VV	68	4486	1.08%	0.768%
85	10.430	10.424	10.507	VV	58	2085	0.50%	0.357%
86	10.520	10.507	10.536	VV	31	466	0.11%	0.080%
87	10.624	10.536	10.708	VV	79	5004	1.20%	0.856%
88	10.741	10.708	10.767	VV	44	1149	0.28%	0.197%
89	10.784	10.767	10.830	VV	31	864	0.21%	0.148%

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90	10.840	10.830	10.855	VV	34	311	0.07%	0.053%
91	10.884	10.855	10.907	VV	26	616	0.15%	0.105%
92	10.918	10.907	10.942	VV	21	273	0.07%	0.047%
93	10.977	10.942	11.022	VV	26	901	0.22%	0.154%
94	11.039	11.022	11.086	VV	19	599	0.14%	0.103%
95	11.101	11.086	11.125	VV	21	410	0.10%	0.070%
96	11.152	11.125	11.180	VV	27	707	0.17%	0.121%
97	11.197	11.180	11.215	VV	29	348	0.08%	0.060%
98	11.232	11.215	11.251	VV	27	297	0.07%	0.051%
99	11.276	11.251	11.303	PV	17	373	0.09%	0.064%
100	11.315	11.303	11.335	VV	13	226	0.05%	0.039%
101	11.367	11.335	11.404	VV	34	688	0.17%	0.118%
102	11.425	11.404	11.556	VV	41	1996	0.48%	0.342%
103	11.574	11.556	11.605	VV	44	612	0.15%	0.105%
104	11.625	11.605	11.642	VV	22	329	0.08%	0.056%
105	11.694	11.642	11.713	VV	21	712	0.17%	0.122%
106	11.724	11.713	11.749	VV	22	485	0.12%	0.083%
107	11.763	11.749	11.793	VV	31	524	0.13%	0.090%
108	11.821	11.793	11.893	VV	33	1361	0.33%	0.233%
109	11.907	11.893	11.960	VV	27	916	0.22%	0.157%
110	11.981	11.960	11.999	VV	27	428	0.10%	0.073%
111	12.024	11.999	12.082	VV	27	876	0.21%	0.150%
112	12.123	12.082	12.166	VV	27	910	0.22%	0.156%
113	12.187	12.166	12.228	VV	26	505	0.12%	0.086%
114	12.248	12.228	12.283	VV	27	484	0.12%	0.083%
115	12.301	12.283	12.317	VV	18	227	0.05%	0.039%
116	12.340	12.317	12.363	PV	16	327	0.08%	0.056%
117	12.411	12.363	12.453	VV	40	971	0.23%	0.166%
118	12.479	12.453	12.506	VV	24	382	0.09%	0.065%
119	12.525	12.506	12.553	VV	28	461	0.11%	0.079%
120	12.590	12.553	12.606	VV	22	409	0.10%	0.070%
121	12.619	12.606	12.662	VV	32	641	0.15%	0.110%
122	12.749	12.662	12.829	VV	55	3121	0.75%	0.534%
123	12.844	12.829	12.893	VV	31	530	0.13%	0.091%
124	12.924	12.893	12.939	PV	31	476	0.11%	0.082%
125	12.957	12.939	12.986	VV	33	598	0.14%	0.102%
126	13.022	12.986	13.085	VV	44	1981	0.48%	0.339%
127	13.100	13.085	13.121	VV	51	820	0.20%	0.140%
128	13.191	13.121	13.313	VV	101	6325	1.52%	1.083%
129	13.328	13.313	13.346	VV	29	416	0.10%	0.071%
130	13.400	13.346	13.439	VV	27	993	0.24%	0.170%
131	13.489	13.439	13.519	VV	40	1053	0.25%	0.180%
132	13.544	13.519	13.589	VV	32	913	0.22%	0.156%
133	13.603	13.589	13.637	VV	25	559	0.13%	0.096%
134	13.653	13.637	13.676	VV	21	366	0.09%	0.063%
135	13.726	13.676	13.785	VV	38	1243	0.30%	0.213%
136	13.816	13.785	13.841	VV	33	594	0.14%	0.102%
137	13.927	13.841	13.980	VV	69	3844	0.92%	0.658%
138	14.112	13.980	14.276	VV	168	16330	3.92%	2.795%
139	14.321	14.276	14.345	VV	31	898	0.22%	0.154%
140	14.360	14.345	14.402	VV	36	794	0.19%	0.136%
141	14.511	14.402	14.532	VV	35	1556	0.37%	0.266%

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142	14.539	14.532	14.566	VV	26	347	0.08%	0.059%	
143	14.603	14.566	14.661	VV	28	843	0.20%	0.144%	
144	14.749	14.661	14.799	VV	22	866	0.21%	0.148%	
145	14.827	14.799	14.863	VV	25	470	0.11%	0.080%	
146	14.894	14.863	14.936	VV	30	495	0.12%	0.085%	
147	15.059	14.936	15.143	VV	79	4474	1.07%	0.766%	
148	15.165	15.143	15.192	VV	25	636	0.15%	0.109%	
149	15.218	15.192	15.269	VV	35	961	0.23%	0.164%	
150	15.286	15.269	15.301	PV	31	264	0.06%	0.045%	
151	15.419	15.301	15.559	VV	83	6789	1.63%	1.162%	
152	15.576	15.559	15.607	VV	35	809	0.19%	0.138%	
153	15.627	15.607	15.643	VV	42	643	0.15%	0.110%	
154	15.701	15.643	15.728	VV	44	1792	0.43%	0.307%	
155	15.774	15.728	15.854	VV	52	3355	0.81%	0.574%	
156	15.876	15.854	15.932	VV	50	1866	0.45%	0.319%	
157	15.946	15.932	16.054	VV	39	2008	0.48%	0.344%	
158	16.073	16.054	16.090	VV	24	294	0.07%	0.050%	
159	16.207	16.090	16.263	PV	121	5766	1.38%	0.987%	
160	16.288	16.263	16.314	VV	39	904	0.22%	0.155%	
161	16.364	16.314	16.378	VV	36	1044	0.25%	0.179%	
162	16.391	16.378	16.472	VV	41	1363	0.33%	0.233%	
163	16.501	16.472	16.539	VV	23	618	0.15%	0.106%	
164	16.565	16.539	16.577	VV	29	434	0.10%	0.074%	
165	16.619	16.577	16.685	VV	45	1991	0.48%	0.341%	
166	16.712	16.685	16.734	VV	42	619	0.15%	0.106%	
167	16.751	16.734	16.767	VV	24	312	0.08%	0.053%	
168	16.792	16.767	16.814	VV	35	505	0.12%	0.086%	
169	16.829	16.814	16.881	VV	28	649	0.16%	0.111%	
170	16.938	16.881	16.972	VV	22	864	0.21%	0.148%	

Sum of corrected areas: 584244

FB051925.M Wed May 21 00:22:25 2025

Report of Analysis

Client:	CDM Smith	Date Collected:	05/16/25
Project:	South River WM Replacement	Date Received:	05/16/25
Client Sample ID:	TP-20	SDG No.:	Q2074
Lab Sample ID:	Q2074-04	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	84.3
Sample Wt/Vol:	7.9	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Final Vol:	5
GPC Factor :		Test:	Gasoline Range Organics
Prep Method :		Injection Volume :	

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031786.D	1	05/20/25 13:11	FB052025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	6.00	U	6.00	34.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	19.7		50 - 150	99%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB052025\
Data File : FB031786.D
Signal(s) : FID2B.CH
Acq On : 20 May 2025 13:11
Operator : YP/AJ
Sample : Q2074-04
Misc : 7.90G/5.00 ML DI WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-20

Integration File: Calibration.e
Quant Time: May 20 23:34:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB051925.M
Quant Title :
QLast Update : Mon May 19 10:47:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
5) s AAA-TFT	8.795	426856	19.740 ng/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

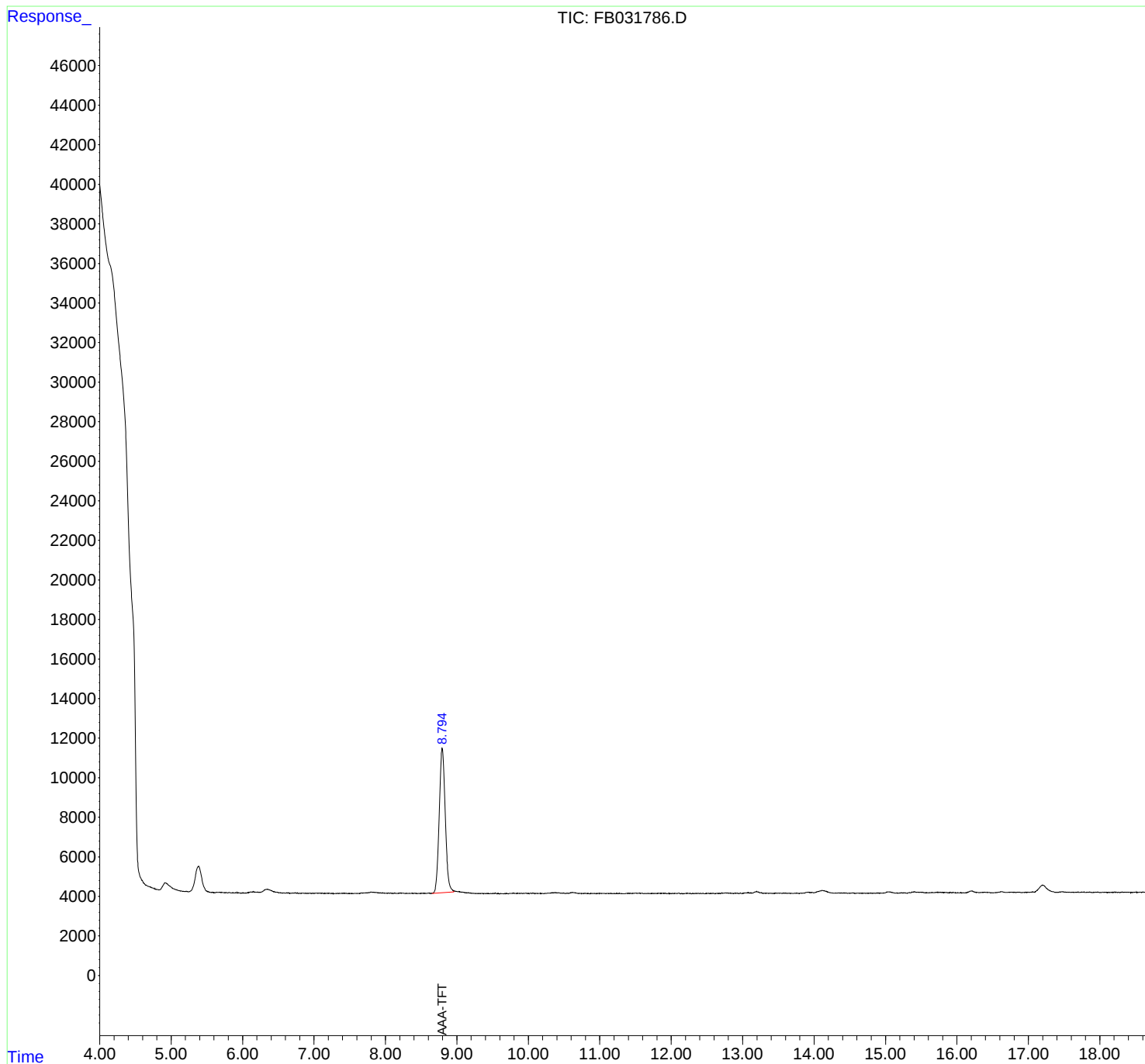
(m)=manual int.

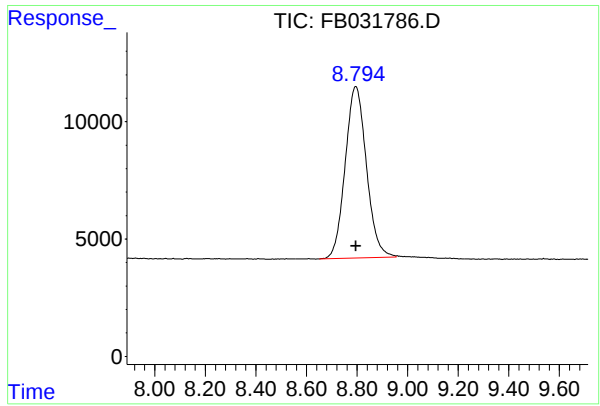
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB052025\
Data File : FB031786.D
Signal(s) : FID2B.CH
Acq On : 20 May 2025 13:11
Operator : YP/AJ
Sample : Q2074-04
Misc : 7.90G/5.00 ML DI WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-20

Integration File: Calibration.e
Quant Time: May 20 23:34:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB051925.M
Quant Title :
QLast Update : Mon May 19 10:47:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#5 AAA-TFT

R.T.: 8.795 min
Delta R.T.: 0.000 min
Response: 426856
Conc: 19.74 ng/ml

Instrument :
FID_B
ClientSampleId :
TP-20

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB052025\
 Data File : FB031786.D
 Signal(s) : FID2B.CH
 Acq On : 20 May 2025 13:11
 Sample : Q2074-04
 Misc : 7.90G/5.00 ML DI WATER
 ALS Vial : 10 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB051925.M
 Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	5.118	5.111	5.133	VV	29	276	0.06%	0.043%
2	5.140	5.133	5.179	VV	22	257	0.06%	0.040%
3	5.189	5.179	5.208	VV	14	181	0.04%	0.028%
4	5.214	5.208	5.248	VV	25	309	0.07%	0.048%
5	5.555	5.549	5.563	VV	19	133	0.03%	0.021%
6	5.572	5.563	5.605	VV	28	409	0.09%	0.064%
7	5.638	5.605	5.662	PV	39	797	0.18%	0.124%
8	5.680	5.662	5.691	VV	45	580	0.13%	0.090%
9	5.700	5.691	5.737	VV	36	740	0.16%	0.115%
10	5.751	5.737	5.790	VV	29	668	0.15%	0.104%
11	5.812	5.790	5.837	VV	34	617	0.14%	0.096%
12	5.865	5.837	5.888	VV	34	536	0.12%	0.083%
13	5.908	5.888	5.974	VV	30	1180	0.26%	0.183%
14	5.992	5.974	6.000	PV	20	192	0.04%	0.030%
15	6.014	6.000	6.032	VV	32	328	0.07%	0.051%
16	6.118	6.032	6.141	VV	79	2846	0.63%	0.442%
17	6.149	6.141	6.187	VV	93	1955	0.43%	0.303%
18	6.211	6.187	6.223	VV	76	1383	0.31%	0.215%
19	6.344	6.223	6.552	VV	213	21322	4.74%	3.310%
20	6.561	6.552	6.604	VV	32	837	0.19%	0.130%
21	6.621	6.604	6.631	VV	42	493	0.11%	0.077%
22	6.639	6.631	6.658	VV	39	427	0.09%	0.066%
23	6.691	6.658	6.721	VV	24	721	0.16%	0.112%
24	6.736	6.721	6.757	VV	46	586	0.13%	0.091%
25	6.768	6.757	6.779	VV	39	310	0.07%	0.048%
26	6.793	6.779	6.822	VV	22	331	0.07%	0.051%
27	6.834	6.822	6.865	VV	22	439	0.10%	0.068%
28	6.876	6.865	6.900	VV	20	307	0.07%	0.048%
29	6.939	6.900	6.966	VV	22	584	0.13%	0.091%
30	6.978	6.966	7.001	VV	27	315	0.07%	0.049%
31	7.032	7.001	7.059	VV	25	662	0.15%	0.103%
32	7.068	7.059	7.142	VV	27	1014	0.23%	0.157%
33	7.151	7.142	7.159	PV	21	122	0.03%	0.019%
34	7.172	7.159	7.182	VV	20	212	0.05%	0.033%
35	7.192	7.182	7.243	VV	22	622	0.14%	0.097%
36	7.251	7.243	7.269	VV	22	258	0.06%	0.040%

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37	7.276	7.269	7.290	VV	19	105	0.02%	0.016%	
38	7.303	7.290	7.318	PV	16	155	0.03%	0.024%	
39	7.329	7.318	7.346	VV	22	198	0.04%	0.031%	
40	7.358	7.346	7.371	VV	20	227	0.05%	0.035%	
41	7.396	7.371	7.441	VV	24	820	0.18%	0.127%	
42	7.449	7.441	7.462	VV	22	210	0.05%	0.033%	
43	7.477	7.462	7.502	VV	16	288	0.06%	0.045%	
44	7.561	7.502	7.601	VV	18	760	0.17%	0.118%	
45	7.621	7.601	7.638	VV	21	342	0.08%	0.053%	
46	7.668	7.638	7.702	VV	39	1226	0.27%	0.190%	
47	7.799	7.702	7.952	VV	86	8532	1.90%	1.325%	
48	7.960	7.952	8.027	VV	50	1403	0.31%	0.218%	
49	8.044	8.027	8.061	VV	42	605	0.13%	0.094%	
50	8.074	8.061	8.111	VV	41	720	0.16%	0.112%	
51	8.127	8.111	8.169	VV	43	921	0.20%	0.143%	
52	8.207	8.169	8.231	VV	37	1031	0.23%	0.160%	
53	8.245	8.231	8.282	VV	34	781	0.17%	0.121%	
54	8.301	8.282	8.349	VV	26	848	0.19%	0.132%	
55	8.369	8.349	8.393	VV	30	621	0.14%	0.096%	
56	8.410	8.393	8.447	VV	36	690	0.15%	0.107%	
57	8.526	8.447	8.575	VV	26	1589	0.35%	0.247%	
58	8.795	8.575	9.140	VV	7369	449803	100.00%	69.835%	
59	9.155	9.140	9.291	VV	56	2965	0.66%	0.460%	
60	9.321	9.291	9.376	VV	26	938	0.21%	0.146%	
61	9.390	9.376	9.464	VV	22	813	0.18%	0.126%	
62	9.539	9.464	9.564	VV	45	1240	0.28%	0.193%	
63	9.578	9.564	9.599	VV	29	315	0.07%	0.049%	
64	9.618	9.599	9.661	PV	19	384	0.09%	0.060%	
65	9.692	9.661	9.725	VV	22	614	0.14%	0.095%	
66	9.793	9.725	9.831	VV	44	1619	0.36%	0.251%	
67	9.845	9.831	9.862	VV	33	453	0.10%	0.070%	
68	9.900	9.862	9.916	VV	36	796	0.18%	0.124%	
69	9.963	9.916	10.019	VV	37	1577	0.35%	0.245%	
70	10.035	10.019	10.049	VV	38	480	0.11%	0.074%	
71	10.064	10.049	10.100	VV	45	811	0.18%	0.126%	
72	10.123	10.100	10.181	VV	32	990	0.22%	0.154%	
73	10.201	10.181	10.224	VV	26	469	0.10%	0.073%	
74	10.373	10.224	10.482	VV	61	6565	1.46%	1.019%	
75	10.494	10.482	10.525	VV	43	747	0.17%	0.116%	
76	10.548	10.525	10.564	VV	34	621	0.14%	0.096%	
77	10.614	10.564	10.767	VV	70	4741	1.05%	0.736%	
78	10.787	10.767	10.826	VV	28	706	0.16%	0.110%	
79	10.841	10.826	10.882	VV	20	463	0.10%	0.072%	
80	10.915	10.882	10.948	VV	26	713	0.16%	0.111%	
81	11.011	10.948	11.027	VV	28	815	0.18%	0.127%	
82	11.046	11.027	11.083	VV	22	561	0.12%	0.087%	
83	11.106	11.083	11.130	VV	19	444	0.10%	0.069%	
84	11.147	11.130	11.184	VV	22	541	0.12%	0.084%	
85	11.199	11.184	11.226	VV	16	322	0.07%	0.050%	
86	11.239	11.226	11.265	VV	26	324	0.07%	0.050%	
87	11.277	11.265	11.326	VV	33	528	0.12%	0.082%	
88	11.430	11.326	11.478	VV	36	1726	0.38%	0.268%	
89	11.507	11.478	11.582	VV	35	1667	0.37%	0.259%	

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90	11.595	11.582	11.633	VV	33	619	0.14%	0.096%
91	11.647	11.633	11.661	VV	22	268	0.06%	0.042%
92	11.677	11.661	11.712	VV	24	480	0.11%	0.075%
93	11.777	11.712	11.804	VV	21	915	0.20%	0.142%
94	11.817	11.804	11.905	VV	33	1384	0.31%	0.215%
95	11.915	11.905	11.942	VV	25	411	0.09%	0.064%
96	11.963	11.942	11.995	VV	24	515	0.11%	0.080%
97	12.026	11.995	12.044	VV	25	429	0.10%	0.067%
98	12.068	12.044	12.082	VV	19	407	0.09%	0.063%
99	12.103	12.082	12.130	VV	35	596	0.13%	0.093%
100	12.151	12.130	12.172	VV	22	256	0.06%	0.040%
101	12.237	12.172	12.283	PV	22	1087	0.24%	0.169%
102	12.303	12.283	12.317	VV	31	298	0.07%	0.046%
103	12.351	12.317	12.363	VV	26	444	0.10%	0.069%
104	12.379	12.363	12.427	VV	28	618	0.14%	0.096%
105	12.445	12.427	12.470	VV	26	340	0.08%	0.053%
106	12.520	12.470	12.535	VV	21	542	0.12%	0.084%
107	12.552	12.535	12.617	VV	32	775	0.17%	0.120%
108	12.648	12.617	12.687	PV	22	570	0.13%	0.089%
109	12.710	12.687	12.726	VV	37	565	0.13%	0.088%
110	12.762	12.726	12.876	VV	44	2492	0.55%	0.387%
111	12.895	12.876	12.954	VV	35	957	0.21%	0.149%
112	12.969	12.954	12.993	VV	35	444	0.10%	0.069%
113	13.082	12.993	13.138	VV	58	3134	0.70%	0.487%
114	13.194	13.138	13.341	VV	107	6303	1.40%	0.979%
115	13.348	13.341	13.366	VV	24	256	0.06%	0.040%
116	13.387	13.366	13.427	PV	27	557	0.12%	0.086%
117	13.467	13.427	13.486	VV	29	642	0.14%	0.100%
118	13.502	13.486	13.515	VV	25	377	0.08%	0.059%
119	13.529	13.515	13.549	VV	25	395	0.09%	0.061%
120	13.574	13.549	13.703	VV	33	1543	0.34%	0.240%
121	13.755	13.703	13.797	VV	28	840	0.19%	0.130%
122	13.919	13.797	13.951	VV	72	3693	0.82%	0.573%
123	13.974	13.951	13.995	VV	59	1346	0.30%	0.209%
124	14.115	13.995	14.279	VV	158	14665	3.26%	2.277%
125	14.341	14.279	14.402	VV	33	1760	0.39%	0.273%
126	14.417	14.402	14.472	VV	40	890	0.20%	0.138%
127	14.486	14.472	14.500	VV	22	217	0.05%	0.034%
128	14.540	14.500	14.585	VV	30	814	0.18%	0.126%
129	14.618	14.585	14.649	VV	21	483	0.11%	0.075%
130	14.660	14.649	14.685	VV	21	225	0.05%	0.035%
131	14.707	14.685	14.731	PV	19	253	0.06%	0.039%
132	14.747	14.731	14.763	VV	14	159	0.04%	0.025%
133	14.797	14.763	14.812	VV	20	304	0.07%	0.047%
134	14.885	14.812	14.916	VV	20	729	0.16%	0.113%
135	15.034	14.916	15.140	VV	75	4985	1.11%	0.774%
136	15.161	15.140	15.189	VV	16	402	0.09%	0.062%
137	15.220	15.189	15.245	VV	27	638	0.14%	0.099%
138	15.257	15.245	15.306	VV	26	625	0.14%	0.097%
139	15.337	15.306	15.351	VV	33	715	0.16%	0.111%
140	15.409	15.351	15.473	VV	80	4033	0.90%	0.626%
141	15.485	15.473	15.574	VV	55	2327	0.52%	0.361%

					rteres				
142	15.585	15.574	15.616	VV	27	573	0.13%	0.089%	
143	15.646	15.616	15.679	VV	37	1069	0.24%	0.166%	
144	15.714	15.679	15.875	VV	48	4119	0.92%	0.640%	
145	15.909	15.875	15.935	VV	42	955	0.21%	0.148%	
146	15.948	15.935	16.007	VV	42	1010	0.22%	0.157%	
147	16.016	16.007	16.032	VV	29	242	0.05%	0.038%	
148	16.052	16.032	16.085	VV	21	454	0.10%	0.070%	
149	16.205	16.085	16.311	VV	110	6353	1.41%	0.986%	
150	16.384	16.311	16.480	VV	41	2625	0.58%	0.408%	
151	16.625	16.480	16.712	PV	62	3857	0.86%	0.599%	
152	16.768	16.712	16.831	VV	35	1728	0.38%	0.268%	
153	16.844	16.831	16.902	VV	33	828	0.18%	0.129%	
154	16.999	16.902	17.015	PV	10	411	0.09%	0.064%	
155	17.065	17.015	17.080	PV	29	373	0.08%	0.058%	

Sum of corrected areas: 644093

FB051925.M Wed May 21 00:23:11 2025

Report of Analysis

Client:	CDM Smith	Date Collected:	05/15/25
Project:	South River WM Replacement	Date Received:	05/16/25
Client Sample ID:	TP-38	SDG No.:	Q2074
Lab Sample ID:	Q2074-05	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	81.9
Sample Wt/Vol:	6.9	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Gasoline Range Organics
GPC Factor :		Injection Volume :	
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031801.D	50	05/21/25 11:08	FB052125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	365	U	365	1990	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	23.0		50 - 150	115%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB052125\
Data File : FB031801.D
Signal(s) : FID2B.CH
Acq On : 21 May 2025 11:08
Operator : YP/AJ
Sample : Q2074-05 50X
Misc : 6.90G/5.00 ML MEOH
ALS Vial : 5 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-38

Integration File: Calibration.e
Quant Time: May 22 01:48:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB051925.M
Quant Title :
QLast Update : Mon May 19 10:47:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
5) s AAA-TFT	8.795	497848	23.023 ng/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

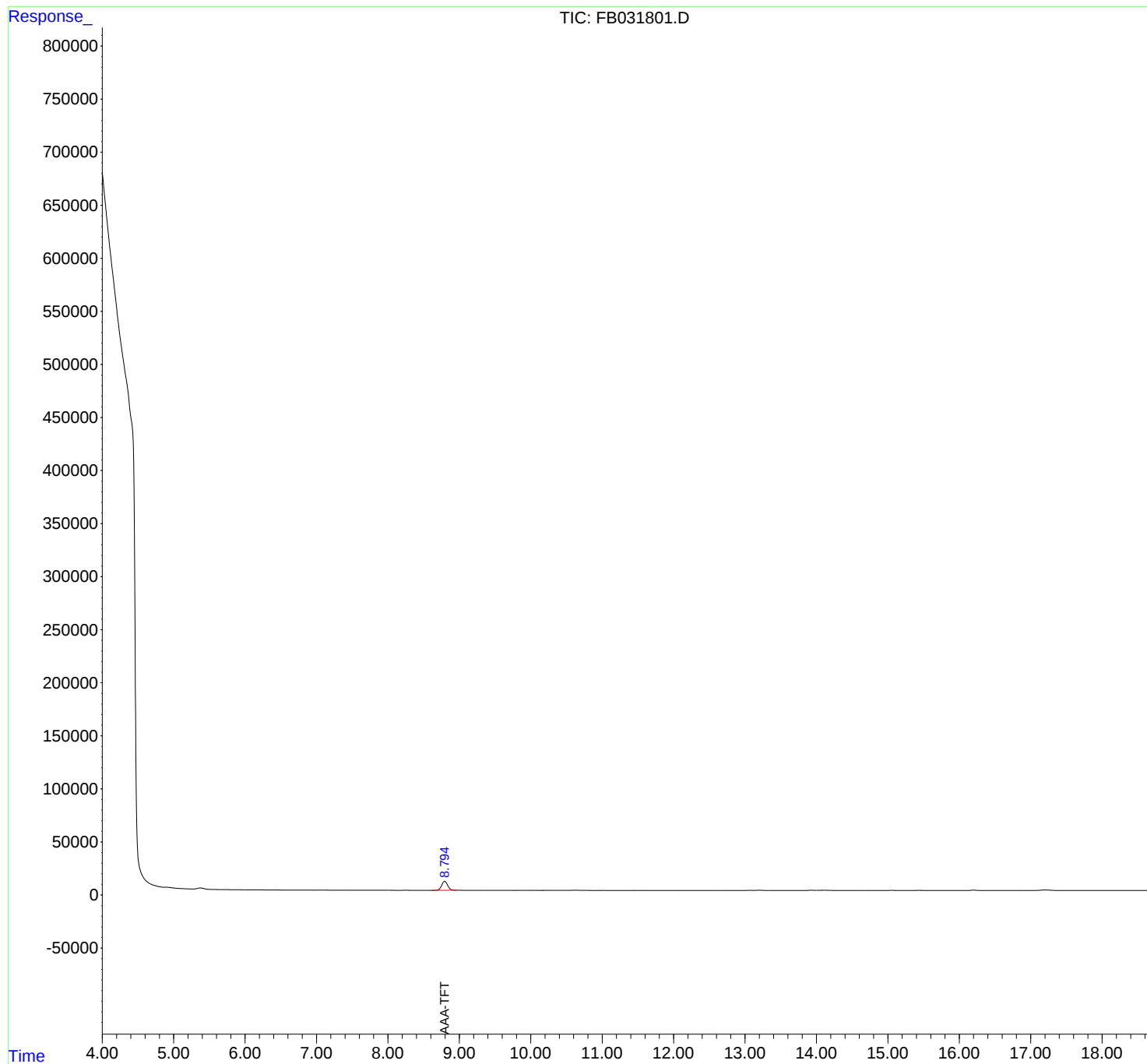
(m)=manual int.

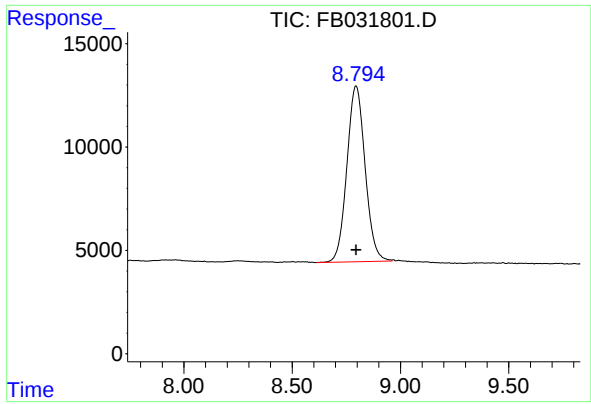
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB052125\
Data File : FB031801.D
Signal(s) : FID2B.CH
Acq On : 21 May 2025 11:08
Operator : YP/AJ
Sample : Q2074-05 50X
Misc : 6.90G/5.00 ML MEOH
ALS Vial : 5 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-38

Integration File: Calibration.e
Quant Time: May 22 01:48:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB051925.M
Quant Title :
QLast Update : Mon May 19 10:47:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#5 AAA-TFT

R.T.: 8.795 min
Delta R.T.: 0.000 min
Response: 497848
Conc: 23.02 ng/ml

Instrument :
FID_B
ClientSampleId :
TP-38

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB052125\
 Data File : FB031801.D
 Signal(s) : FID2B.CH
 Acq On : 21 May 2025 11:08
 Sample : Q2074-05 50X
 Misc : 6.90G/5.00 ML MEOH
 ALS Vial : 5 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB051925.M
 Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	5.743	5.732	5.781	PV	25	563	0.11%	0.073%
2	5.789	5.781	5.828	VV	33	350	0.07%	0.045%
3	5.837	5.828	5.864	PV	16	198	0.04%	0.026%
4	5.872	5.864	5.883	VV	21	149	0.03%	0.019%
5	5.887	5.883	5.981	VV	14	426	0.08%	0.055%
6	5.999	5.981	6.012	PV	15	210	0.04%	0.027%
7	6.026	6.012	6.053	VV	31	495	0.10%	0.064%
8	6.064	6.053	6.076	VV	28	242	0.05%	0.031%
9	6.084	6.076	6.113	VV	32	400	0.08%	0.052%
10	6.133	6.113	6.143	VV	35	475	0.09%	0.062%
11	6.152	6.143	6.158	VV	32	281	0.06%	0.037%
12	6.172	6.158	6.201	VV	57	1226	0.24%	0.159%
13	6.208	6.201	6.258	VV	63	1608	0.32%	0.209%
14	6.268	6.258	6.277	VV	37	286	0.06%	0.037%
15	6.283	6.277	6.319	VV	31	702	0.14%	0.091%
16	6.340	6.319	6.406	VV	50	2493	0.49%	0.324%
17	6.412	6.406	6.502	VV	54	1242	0.24%	0.161%
18	6.510	6.502	6.540	VV	15	219	0.04%	0.028%
19	6.559	6.540	6.576	PV	27	259	0.05%	0.034%
20	6.584	6.576	6.610	VV	18	234	0.05%	0.030%
21	6.620	6.610	6.685	VV	25	389	0.08%	0.051%
22	6.713	6.685	6.736	PV	30	542	0.11%	0.070%
23	6.745	6.736	6.758	VV	31	237	0.05%	0.031%
24	6.767	6.758	6.789	VV	22	270	0.05%	0.035%
25	6.796	6.789	6.827	VV	21	413	0.08%	0.054%
26	6.838	6.827	6.928	VV	43	1601	0.31%	0.208%
27	6.936	6.928	6.964	VV	27	192	0.04%	0.025%
28	6.978	6.964	6.994	PV	20	204	0.04%	0.027%
29	7.012	6.994	7.020	VV	34	346	0.07%	0.045%
30	7.066	7.020	7.104	VV	70	2814	0.55%	0.366%
31	7.111	7.104	7.141	VV	67	1154	0.23%	0.150%
32	7.151	7.141	7.184	VV	59	1124	0.22%	0.146%
33	7.193	7.184	7.204	VV	33	235	0.05%	0.031%
34	7.214	7.204	7.230	VV	25	206	0.04%	0.027%
35	7.241	7.230	7.248	PV	12	76	0.01%	0.010%
36	7.265	7.248	7.272	VV	22	197	0.04%	0.026%

					rteres				
37	7.282	7.272	7.294	VV	28	230	0.05%	0.030%	
38	7.322	7.294	7.338	VV	50	778	0.15%	0.101%	
39	7.378	7.338	7.401	VV	53	1498	0.29%	0.195%	
40	7.419	7.401	7.435	VV	69	1138	0.22%	0.148%	
41	7.446	7.435	7.488	VV	62	1351	0.27%	0.176%	
42	7.497	7.488	7.535	VV	26	508	0.10%	0.066%	
43	7.543	7.535	7.577	VV	23	359	0.07%	0.047%	
44	7.584	7.577	7.600	VV	19	203	0.04%	0.026%	
45	7.610	7.600	7.618	VV	26	186	0.04%	0.024%	
46	7.647	7.618	7.668	VV	36	594	0.12%	0.077%	
47	7.686	7.668	7.696	PV	23	246	0.05%	0.032%	
48	7.719	7.696	7.733	VV	41	659	0.13%	0.086%	
49	7.753	7.733	7.833	VV	55	1964	0.39%	0.255%	
50	7.870	7.833	7.878	VV	54	1007	0.20%	0.131%	
51	7.918	7.878	7.945	VV	84	2849	0.56%	0.370%	
52	7.961	7.945	8.061	VV	91	3696	0.73%	0.480%	
53	8.069	8.061	8.118	VV	32	669	0.13%	0.087%	
54	8.130	8.118	8.146	VV	10	107	0.02%	0.014%	
55	8.164	8.146	8.183	PV	9	143	0.03%	0.019%	
56	8.248	8.183	8.367	VV	68	4095	0.80%	0.532%	
57	8.373	8.367	8.395	VV	26	341	0.07%	0.044%	
58	8.403	8.395	8.432	VV	24	328	0.06%	0.043%	
59	8.445	8.432	8.452	PV	12	76	0.02%	0.010%	
60	8.505	8.452	8.518	VV	51	1106	0.22%	0.144%	
61	8.530	8.518	8.560	VV	42	881	0.17%	0.114%	
62	8.566	8.560	8.611	VV	34	586	0.12%	0.076%	
63	8.795	8.611	8.960	VV	8565	508943	100.00%	66.100%	
64	8.968	8.960	8.981	VV	163	1714	0.34%	0.223%	
65	8.993	8.981	9.107	VV	136	6744	1.33%	0.876%	
66	9.117	9.107	9.186	VV	70	2059	0.40%	0.267%	
67	9.195	9.186	9.219	VV	28	399	0.08%	0.052%	
68	9.225	9.219	9.247	VV	32	251	0.05%	0.033%	
69	9.253	9.247	9.262	VV	21	107	0.02%	0.014%	
70	9.279	9.262	9.294	VV	17	165	0.03%	0.021%	
71	9.317	9.294	9.328	PV	23	257	0.05%	0.033%	
72	9.340	9.328	9.392	VV	36	1100	0.22%	0.143%	
73	9.411	9.392	9.419	VV	33	464	0.09%	0.060%	
74	9.428	9.419	9.448	VV	40	534	0.10%	0.069%	
75	9.474	9.448	9.491	VV	53	715	0.14%	0.093%	
76	9.500	9.491	9.539	VV	42	672	0.13%	0.087%	
77	9.548	9.539	9.571	VV	28	397	0.08%	0.052%	
78	9.579	9.571	9.599	VV	29	337	0.07%	0.044%	
79	9.608	9.599	9.618	VV	25	173	0.03%	0.022%	
80	9.647	9.618	9.656	VV	21	331	0.07%	0.043%	
81	9.668	9.656	9.699	VV	24	389	0.08%	0.051%	
82	9.721	9.699	9.728	VV	31	374	0.07%	0.049%	
83	9.744	9.728	9.759	VV	35	402	0.08%	0.052%	
84	9.769	9.759	9.779	VV	19	91	0.02%	0.012%	
85	9.804	9.779	9.821	PV	29	317	0.06%	0.041%	
86	9.847	9.821	9.860	VV	40	429	0.08%	0.056%	
87	9.870	9.860	9.883	VV	24	256	0.05%	0.033%	
88	9.899	9.883	9.906	VV	40	424	0.08%	0.055%	
89	9.917	9.906	9.951	VV	49	994	0.20%	0.129%	

					rteres				
90	9.960	9.951	9.970	VV	43	332	0.07%	0.043%	
91	9.981	9.970	9.992	VV	33	306	0.06%	0.040%	
92	10.005	9.992	10.015	VV	29	245	0.05%	0.032%	
93	10.034	10.015	10.043	VV	26	270	0.05%	0.035%	
94	10.049	10.043	10.054	VV	20	112	0.02%	0.015%	
95	10.069	10.054	10.109	VV	27	657	0.13%	0.085%	
96	10.115	10.109	10.132	VV	27	259	0.05%	0.034%	
97	10.137	10.132	10.149	VV	30	207	0.04%	0.027%	
98	10.157	10.149	10.162	VV	15	95	0.02%	0.012%	
99	10.169	10.162	10.175	VV	21	116	0.02%	0.015%	
100	10.188	10.175	10.195	VV	25	230	0.05%	0.030%	
101	10.204	10.195	10.246	VV	42	916	0.18%	0.119%	
102	10.293	10.246	10.305	VV	67	1667	0.33%	0.217%	
103	10.375	10.305	10.385	VV	114	4288	0.84%	0.557%	
104	10.391	10.385	10.409	VV	100	1349	0.27%	0.175%	
105	10.426	10.409	10.452	VV	105	2401	0.47%	0.312%	
106	10.463	10.452	10.479	VV	84	1279	0.25%	0.166%	
107	10.503	10.479	10.532	VV	91	2523	0.50%	0.328%	
108	10.632	10.532	10.755	VV	249	16636	3.27%	2.161%	
109	10.771	10.755	10.869	VV	50	2605	0.51%	0.338%	
110	10.881	10.869	10.891	VV	30	301	0.06%	0.039%	
111	10.947	10.891	10.957	VV	43	1161	0.23%	0.151%	
112	10.987	10.957	10.995	VV	50	925	0.18%	0.120%	
113	11.009	10.995	11.042	VV	56	1237	0.24%	0.161%	
114	11.050	11.042	11.068	VV	34	424	0.08%	0.055%	
115	11.090	11.068	11.111	VV	37	697	0.14%	0.090%	
116	11.119	11.111	11.126	VV	32	207	0.04%	0.027%	
117	11.131	11.126	11.154	VV	27	189	0.04%	0.025%	
118	11.169	11.154	11.208	PV	23	398	0.08%	0.052%	
119	11.235	11.208	11.248	VV	22	399	0.08%	0.052%	
120	11.259	11.248	11.268	VV	30	247	0.05%	0.032%	
121	11.321	11.268	11.335	VV	41	974	0.19%	0.127%	
122	11.342	11.335	11.369	VV	21	353	0.07%	0.046%	
123	11.386	11.369	11.400	VV	34	503	0.10%	0.065%	
124	11.454	11.400	11.472	VV	57	1689	0.33%	0.219%	
125	11.483	11.472	11.505	VV	53	886	0.17%	0.115%	
126	11.538	11.505	11.561	VV	51	1494	0.29%	0.194%	
127	11.577	11.561	11.590	VV	58	738	0.14%	0.096%	
128	11.608	11.590	11.621	VV	57	773	0.15%	0.100%	
129	11.629	11.621	11.637	VV	41	294	0.06%	0.038%	
130	11.677	11.637	11.720	VV	40	1470	0.29%	0.191%	
131	11.766	11.720	11.821	VV	34	1282	0.25%	0.166%	
132	11.837	11.821	11.896	PV	47	1433	0.28%	0.186%	
133	11.906	11.896	11.941	VV	36	801	0.16%	0.104%	
134	11.951	11.941	12.007	VV	35	1122	0.22%	0.146%	
135	12.029	12.007	12.061	VV	32	711	0.14%	0.092%	
136	12.075	12.061	12.138	VV	24	887	0.17%	0.115%	
137	12.154	12.138	12.218	VV	26	937	0.18%	0.122%	
138	12.235	12.218	12.279	VV	31	590	0.12%	0.077%	
139	12.335	12.279	12.355	VV	31	861	0.17%	0.112%	
140	12.399	12.355	12.429	VV	27	731	0.14%	0.095%	
141	12.462	12.429	12.480	VV	26	539	0.11%	0.070%	

					rteres			
142	12.513	12.480	12.559	VV	39	966	0.19%	0.126%
143	12.577	12.559	12.599	VV	29	493	0.10%	0.064%
144	12.615	12.599	12.631	VV	28	460	0.09%	0.060%
145	12.667	12.631	12.697	VV	35	1009	0.20%	0.131%
146	12.757	12.697	12.791	VV	60	2228	0.44%	0.289%
147	12.804	12.791	12.896	VV	45	1539	0.30%	0.200%
148	13.078	12.896	13.127	VV	122	8229	1.62%	1.069%
149	13.201	13.127	13.335	VV	240	14610	2.87%	1.897%
150	13.353	13.335	13.412	VV	29	769	0.15%	0.100%
151	13.447	13.412	13.473	VV	29	708	0.14%	0.092%
152	13.485	13.473	13.507	VV	23	372	0.07%	0.048%
153	13.529	13.507	13.561	VV	31	692	0.14%	0.090%
154	13.574	13.561	13.597	VV	32	396	0.08%	0.051%
155	13.616	13.597	13.636	VV	25	351	0.07%	0.046%
156	13.656	13.636	13.703	VV	20	617	0.12%	0.080%
157	13.721	13.703	13.790	PV	27	845	0.17%	0.110%
158	13.932	13.790	14.011	VV	243	14467	2.84%	1.879%
159	14.120	14.011	14.296	VV	237	22528	4.43%	2.926%
160	14.399	14.296	14.496	VV	55	3616	0.71%	0.470%
161	14.518	14.496	14.533	VV	38	458	0.09%	0.060%
162	14.544	14.533	14.560	VV	22	274	0.05%	0.036%
163	14.610	14.560	14.642	VV	26	869	0.17%	0.113%
164	14.688	14.642	14.705	VV	30	711	0.14%	0.092%
165	14.723	14.705	14.766	PV	19	323	0.06%	0.042%
166	14.784	14.766	14.824	PV	12	223	0.04%	0.029%
167	14.852	14.824	14.911	VV	18	640	0.13%	0.083%
168	14.932	14.911	14.977	VV	26	652	0.13%	0.085%
169	15.054	14.977	15.158	VV	132	6449	1.27%	0.838%
170	15.224	15.158	15.248	VV	35	1383	0.27%	0.180%
171	15.285	15.248	15.298	VV	25	621	0.12%	0.081%
172	15.436	15.298	15.612	VV	94	8803	1.73%	1.143%
173	15.646	15.612	15.693	VV	36	1277	0.25%	0.166%
174	15.751	15.693	15.765	VV	48	1429	0.28%	0.186%
175	15.781	15.765	15.799	VV	58	828	0.16%	0.108%
176	15.852	15.799	15.873	VV	58	1936	0.38%	0.251%
177	15.927	15.873	15.966	VV	58	2470	0.49%	0.321%
178	15.968	15.966	16.049	VV	43	1104	0.22%	0.143%
179	16.092	16.049	16.105	VV	22	543	0.11%	0.071%
180	16.201	16.105	16.311	VV	337	16805	3.30%	2.183%
181	16.321	16.311	16.388	VV	50	1743	0.34%	0.226%
182	16.407	16.388	16.423	VV	39	667	0.13%	0.087%
183	16.435	16.423	16.486	VV	32	778	0.15%	0.101%
184	16.539	16.486	16.561	VV	31	893	0.18%	0.116%
185	16.647	16.561	16.693	VV	42	2027	0.40%	0.263%
186	16.741	16.693	16.759	VV	25	594	0.12%	0.077%
187	16.795	16.759	16.831	VV	39	887	0.17%	0.115%
188	16.839	16.831	16.855	VV	33	255	0.05%	0.033%
189	16.873	16.855	16.899	VV	23	357	0.07%	0.046%
190	16.932	16.899	16.961	VV	19	472	0.09%	0.061%
191	16.979	16.961	16.993	PV	18	150	0.03%	0.020%
Sum of corrected areas:							769959	

FB051925.M Thu May 22 02:50:06 2025

rteres

Report of Analysis

Client:	CDM Smith	Date Collected:	05/16/25
Project:	South River WM Replacement	Date Received:	05/16/25
Client Sample ID:	TP-19	SDG No.:	Q2074
Lab Sample ID:	Q2074-06	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	85.9
Sample Wt/Vol:	5.43	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Gasoline Range Organics
GPC Factor :		Injection Volume :	
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031788.D	1	05/20/25 14:06	FB052025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	9.00	U	9.00	48.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	10.7		50 - 150	53%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB052025\
Data File : FB031788.D
Signal(s) : FID2B.CH
Acq On : 20 May 2025 14:06
Operator : YP/AJ
Sample : Q2074-06
Misc : 5.43G/5.00 ML DI WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-19

Integration File: Calibration.e
Quant Time: May 20 23:35:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB051925.M
Quant Title :
QLast Update : Mon May 19 10:47:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
5) s AAA-TFT	8.796	230406	10.655 ng/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

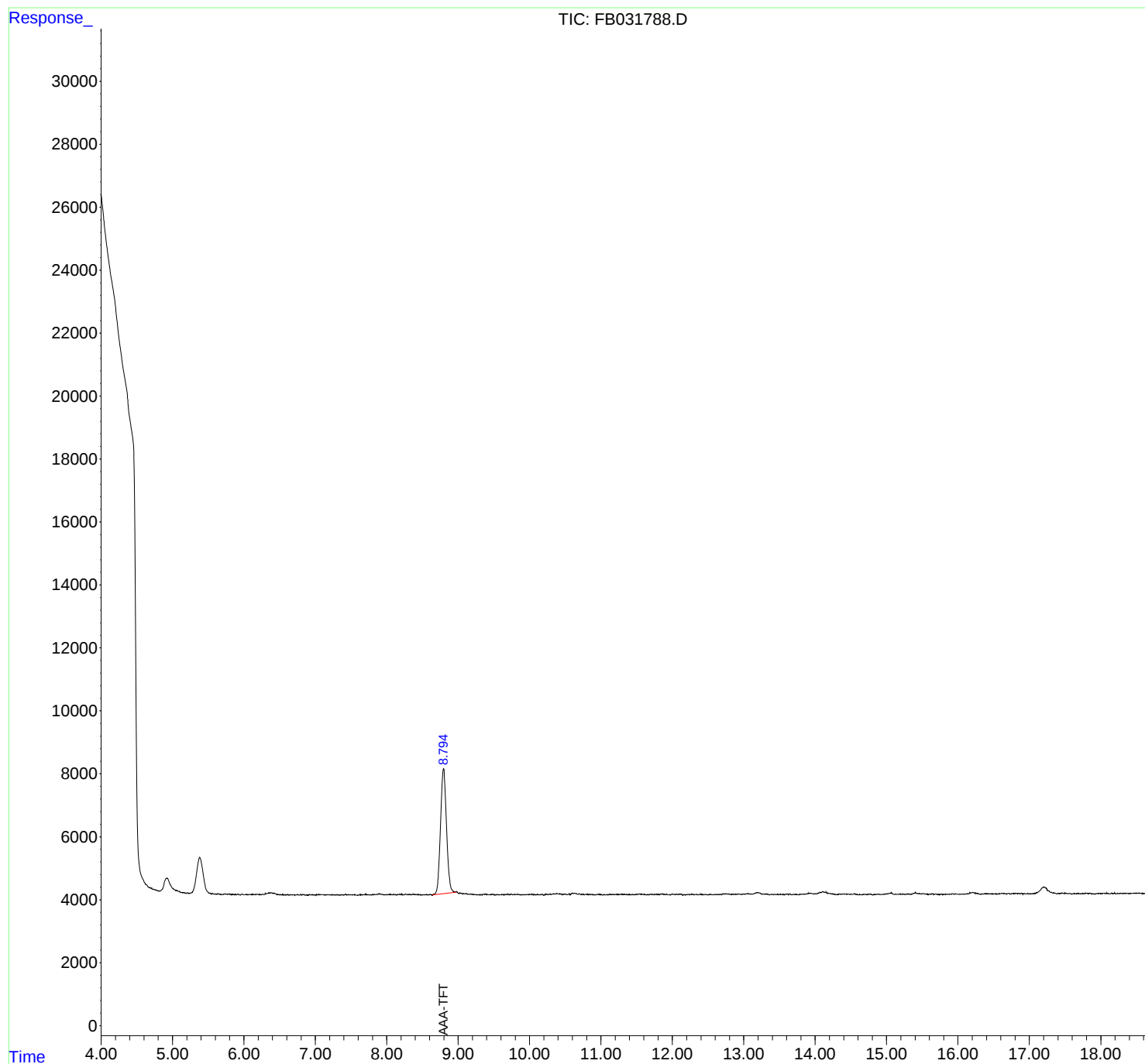
(m)=manual int.

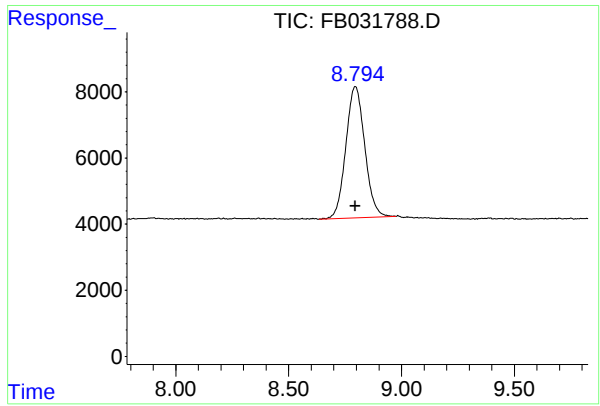
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB052025\
Data File : FB031788.D
Signal(s) : FID2B.CH
Acq On : 20 May 2025 14:06
Operator : YP/AJ
Sample : Q2074-06
Misc : 5.43G/5.00 ML DI WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-19

Integration File: Calibration.e
Quant Time: May 20 23:35:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB051925.M
Quant Title :
QLast Update : Mon May 19 10:47:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#5 AAA-TFT

R.T.: 8.796 min
Delta R.T.: 0.000 min
Response: 230406
Conc: 10.66 ng/ml

Instrument :
FID_B
ClientSampleId :
TP-19

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB052025\
 Data File : FB031788.D
 Signal(s) : FID2B.CH
 Acq On : 20 May 2025 14:06
 Sample : Q2074-06
 Misc : 5.43G/5.00 ML DI WATER
 ALS Vial : 12 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB051925.M
 Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	5.092	5.082	5.166	VV	45	1127	0.47%	0.268%
2	5.173	5.166	5.191	VV	17	138	0.06%	0.033%
3	5.211	5.191	5.233	PV	23	235	0.10%	0.056%
4	5.524	5.517	5.545	VV	43	361	0.15%	0.086%
5	5.559	5.545	5.574	VV	35	314	0.13%	0.075%
6	5.584	5.574	5.590	VV	16	125	0.05%	0.030%
7	5.595	5.590	5.611	VV	17	121	0.05%	0.029%
8	5.640	5.611	5.671	VV	24	498	0.21%	0.118%
9	5.681	5.671	5.694	VV	16	91	0.04%	0.022%
10	5.735	5.694	5.745	PV	25	382	0.16%	0.091%
11	5.748	5.745	5.785	VV	22	400	0.17%	0.095%
12	5.798	5.785	5.865	VV	32	754	0.31%	0.179%
13	5.887	5.865	5.899	VV	23	275	0.11%	0.065%
14	5.918	5.899	5.930	VV	31	344	0.14%	0.082%
15	5.942	5.930	5.952	VV	15	125	0.05%	0.030%
16	5.974	5.952	6.007	PV	30	545	0.23%	0.129%
17	6.034	6.007	6.062	VV	31	502	0.21%	0.119%
18	6.072	6.062	6.079	VV	18	151	0.06%	0.036%
19	6.088	6.079	6.097	VV	22	198	0.08%	0.047%
20	6.104	6.097	6.111	VV	18	150	0.06%	0.036%
21	6.121	6.111	6.138	VV	35	342	0.14%	0.081%
22	6.169	6.138	6.177	VV	29	419	0.17%	0.100%
23	6.189	6.177	6.211	VV	29	443	0.18%	0.105%
24	6.261	6.211	6.278	VV	34	810	0.34%	0.192%
25	6.299	6.278	6.307	VV	55	593	0.25%	0.141%
26	6.380	6.307	6.417	VV	83	4261	1.76%	1.012%
27	6.427	6.417	6.466	VV	67	1331	0.55%	0.316%
28	6.481	6.466	6.530	VV	27	755	0.31%	0.179%
29	6.546	6.530	6.571	VV	36	441	0.18%	0.105%
30	6.579	6.571	6.592	VV	24	176	0.07%	0.042%
31	6.616	6.592	6.635	VV	28	396	0.16%	0.094%
32	6.645	6.635	6.674	VV	17	345	0.14%	0.082%
33	6.683	6.674	6.689	VV	19	127	0.05%	0.030%
34	6.698	6.689	6.717	VV	22	233	0.10%	0.055%
35	6.755	6.717	6.772	VV	26	485	0.20%	0.115%
36	6.799	6.772	6.810	VV	19	336	0.14%	0.080%

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37	6.822	6.810	6.830	VV	27	242	0.10%	0.057%	
38	6.842	6.830	6.856	VV	29	330	0.14%	0.078%	
39	6.871	6.856	6.901	PV	17	316	0.13%	0.075%	
40	6.920	6.901	6.941	VV	30	479	0.20%	0.114%	
41	6.956	6.941	6.965	VV	28	321	0.13%	0.076%	
42	6.976	6.965	6.989	VV	21	231	0.10%	0.055%	
43	7.017	6.989	7.026	VV	39	374	0.15%	0.089%	
44	7.046	7.026	7.061	VV	35	510	0.21%	0.121%	
45	7.090	7.061	7.134	VV	26	986	0.41%	0.234%	
46	7.161	7.134	7.170	VV	23	380	0.16%	0.090%	
47	7.181	7.170	7.189	VV	26	234	0.10%	0.056%	
48	7.196	7.189	7.216	VV	27	295	0.12%	0.070%	
49	7.236	7.216	7.262	VV	26	466	0.19%	0.111%	
50	7.270	7.262	7.289	VV	27	255	0.11%	0.061%	
51	7.304	7.289	7.318	VV	28	280	0.12%	0.066%	
52	7.324	7.318	7.346	VV	25	227	0.09%	0.054%	
53	7.354	7.346	7.388	VV	25	417	0.17%	0.099%	
54	7.395	7.388	7.403	VV	18	126	0.05%	0.030%	
55	7.428	7.403	7.469	VV	34	773	0.32%	0.184%	
56	7.480	7.469	7.488	VV	25	217	0.09%	0.051%	
57	7.495	7.488	7.506	VV	24	195	0.08%	0.046%	
58	7.516	7.506	7.524	VV	25	186	0.08%	0.044%	
59	7.534	7.524	7.546	VV	20	237	0.10%	0.056%	
60	7.554	7.546	7.572	VV	29	284	0.12%	0.067%	
61	7.580	7.572	7.598	VV	10	102	0.04%	0.024%	
62	7.609	7.598	7.619	VV	18	129	0.05%	0.031%	
63	7.629	7.619	7.637	VV	31	178	0.07%	0.042%	
64	7.647	7.637	7.657	VV	31	221	0.09%	0.052%	
65	7.675	7.657	7.684	VV	27	288	0.12%	0.068%	
66	7.704	7.684	7.727	VV	50	667	0.28%	0.158%	
67	7.742	7.727	7.760	VV	26	375	0.16%	0.089%	
68	7.770	7.760	7.800	VV	24	423	0.18%	0.101%	
69	7.814	7.800	7.823	VV	36	335	0.14%	0.080%	
70	7.853	7.823	7.863	VV	33	653	0.27%	0.155%	
71	7.904	7.863	7.969	VV	55	2200	0.91%	0.522%	
72	7.977	7.969	7.992	VV	26	279	0.12%	0.066%	
73	8.002	7.992	8.060	VV	29	972	0.40%	0.231%	
74	8.069	8.060	8.082	VV	29	327	0.14%	0.078%	
75	8.095	8.082	8.104	VV	41	368	0.15%	0.087%	
76	8.118	8.104	8.129	VV	33	384	0.16%	0.091%	
77	8.191	8.129	8.202	VV	45	1103	0.46%	0.262%	
78	8.212	8.202	8.232	VV	49	478	0.20%	0.114%	
79	8.262	8.232	8.295	VV	45	1040	0.43%	0.247%	
80	8.324	8.295	8.353	VV	34	900	0.37%	0.214%	
81	8.367	8.353	8.378	VV	47	474	0.20%	0.113%	
82	8.392	8.378	8.401	VV	35	369	0.15%	0.088%	
83	8.409	8.401	8.428	VV	30	398	0.16%	0.095%	
84	8.438	8.428	8.451	VV	32	329	0.14%	0.078%	
85	8.461	8.451	8.482	VV	26	350	0.15%	0.083%	
86	8.492	8.482	8.501	VV	17	167	0.07%	0.040%	
87	8.514	8.501	8.548	VV	22	548	0.23%	0.130%	
88	8.561	8.548	8.579	VV	35	375	0.16%	0.089%	
89	8.585	8.579	8.593	VV	26	184	0.08%	0.044%	

					rteres			
90	8.609	8.593	8.634	VV	34	562	0.23%	0.133%
91	8.655	8.634	8.667	VV	36	454	0.19%	0.108%
92	8.796	8.667	8.975	VV	4026	241461	100.00%	57.334%
93	8.985	8.975	9.012	VV	124	1966	0.81%	0.467%
94	9.025	9.012	9.058	VV	79	1787	0.74%	0.424%
95	9.070	9.058	9.095	VV	64	1179	0.49%	0.280%
96	9.105	9.095	9.112	VV	59	565	0.23%	0.134%
97	9.119	9.112	9.159	VV	58	1163	0.48%	0.276%
98	9.175	9.159	9.219	VV	43	1226	0.51%	0.291%
99	9.226	9.219	9.234	VV	32	240	0.10%	0.057%
100	9.243	9.234	9.274	VV	29	535	0.22%	0.127%
101	9.294	9.274	9.307	VV	30	356	0.15%	0.085%
102	9.319	9.307	9.339	VV	28	366	0.15%	0.087%
103	9.387	9.339	9.405	VV	45	1307	0.54%	0.310%
104	9.413	9.405	9.454	VV	30	701	0.29%	0.166%
105	9.464	9.454	9.476	VV	37	360	0.15%	0.085%
106	9.488	9.476	9.503	VV	39	489	0.20%	0.116%
107	9.510	9.503	9.527	VV	27	250	0.10%	0.059%
108	9.537	9.527	9.547	VV	32	270	0.11%	0.064%
109	9.549	9.547	9.561	VV	27	159	0.07%	0.038%
110	9.569	9.561	9.577	VV	21	165	0.07%	0.039%
111	9.621	9.577	9.632	VV	30	766	0.32%	0.182%
112	9.640	9.632	9.650	VV	34	252	0.10%	0.060%
113	9.700	9.650	9.717	VV	42	1135	0.47%	0.270%
114	9.726	9.717	9.731	VV	27	198	0.08%	0.047%
115	9.752	9.731	9.765	VV	43	593	0.25%	0.141%
116	9.794	9.765	9.873	VV	38	1751	0.73%	0.416%
117	9.958	9.873	9.984	VV	30	1469	0.61%	0.349%
118	10.035	9.984	10.090	VV	39	1659	0.69%	0.394%
119	10.114	10.090	10.146	VV	39	793	0.33%	0.188%
120	10.180	10.146	10.207	VV	37	801	0.33%	0.190%
121	10.231	10.207	10.268	PV	36	1038	0.43%	0.247%
122	10.287	10.268	10.302	VV	39	666	0.28%	0.158%
123	10.337	10.302	10.352	VV	53	1177	0.49%	0.279%
124	10.386	10.352	10.458	VV	62	2888	1.20%	0.686%
125	10.477	10.458	10.534	VV	39	1419	0.59%	0.337%
126	10.558	10.534	10.575	VV	47	859	0.36%	0.204%
127	10.604	10.575	10.683	VV	66	3332	1.38%	0.791%
128	10.696	10.683	10.737	VV	50	1109	0.46%	0.263%
129	10.755	10.737	10.770	VV	41	515	0.21%	0.122%
130	10.790	10.770	10.857	VV	37	1454	0.60%	0.345%
131	10.876	10.857	10.913	VV	33	772	0.32%	0.183%
132	10.988	10.913	11.022	VV	33	1555	0.64%	0.369%
133	11.117	11.022	11.162	VV	32	1681	0.70%	0.399%
134	11.172	11.162	11.199	VV	28	575	0.24%	0.136%
135	11.214	11.199	11.234	VV	35	548	0.23%	0.130%
136	11.253	11.234	11.270	VV	30	549	0.23%	0.130%
137	11.284	11.270	11.311	VV	40	666	0.28%	0.158%
138	11.329	11.311	11.376	VV	35	975	0.40%	0.231%
139	11.388	11.376	11.462	VV	35	1117	0.46%	0.265%
140	11.537	11.462	11.634	VV	39	2830	1.17%	0.672%
141	11.702	11.634	11.746	VV	32	1489	0.62%	0.354%

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142	11.758	11.746	11.821	VV	29	1101	0.46%	0.262%
143	11.863	11.821	11.913	VV	46	1657	0.69%	0.393%
144	11.922	11.913	11.971	VV	37	692	0.29%	0.164%
145	12.005	11.971	12.038	VV	35	1051	0.44%	0.250%
146	12.060	12.038	12.076	VV	41	627	0.26%	0.149%
147	12.116	12.076	12.152	VV	41	1160	0.48%	0.275%
148	12.275	12.152	12.309	VV	35	1941	0.80%	0.461%
149	12.343	12.309	12.359	VV	34	632	0.26%	0.150%
150	12.381	12.359	12.420	VV	30	755	0.31%	0.179%
151	12.425	12.420	12.505	VV	31	1020	0.42%	0.242%
152	12.538	12.505	12.562	VV	31	722	0.30%	0.171%
153	12.587	12.562	12.612	VV	23	597	0.25%	0.142%
154	12.674	12.612	12.687	VV	30	1009	0.42%	0.240%
155	12.710	12.687	12.725	VV	41	735	0.30%	0.174%
156	12.739	12.725	12.821	VV	45	1972	0.82%	0.468%
157	12.850	12.821	12.882	VV	41	979	0.41%	0.232%
158	12.892	12.882	12.982	VV	34	1786	0.74%	0.424%
159	13.051	12.982	13.089	VV	55	2462	1.02%	0.585%
160	13.199	13.089	13.285	VV	85	6072	2.51%	1.442%
161	13.298	13.285	13.312	VV	35	514	0.21%	0.122%
162	13.327	13.312	13.366	VV	36	811	0.34%	0.193%
163	13.398	13.366	13.422	VV	31	702	0.29%	0.167%
164	13.474	13.422	13.496	VV	40	986	0.41%	0.234%
165	13.512	13.496	13.530	VV	35	493	0.20%	0.117%
166	13.549	13.530	13.566	VV	30	458	0.19%	0.109%
167	13.609	13.566	13.628	VV	31	981	0.41%	0.233%
168	13.646	13.628	13.673	VV	32	695	0.29%	0.165%
169	13.718	13.673	13.769	VV	30	1103	0.46%	0.262%
170	13.796	13.769	13.831	VV	30	904	0.37%	0.215%
171	13.911	13.831	13.983	VV	57	3872	1.60%	0.919%
172	14.107	13.983	14.301	VV	103	10915	4.52%	2.592%
173	14.345	14.301	14.368	VV	36	971	0.40%	0.231%
174	14.383	14.368	14.437	VV	33	1148	0.48%	0.273%
175	14.466	14.437	14.499	VV	27	942	0.39%	0.224%
176	14.512	14.499	14.535	VV	27	490	0.20%	0.116%
177	14.550	14.535	14.608	VV	41	1050	0.43%	0.249%
178	14.625	14.608	14.666	VV	20	439	0.18%	0.104%
179	14.688	14.666	14.740	VV	27	852	0.35%	0.202%
180	14.776	14.740	14.807	VV	30	810	0.34%	0.192%
181	14.836	14.807	14.866	PV	24	569	0.24%	0.135%
182	14.878	14.866	14.921	VV	30	723	0.30%	0.172%
183	14.944	14.921	14.957	VV	28	422	0.17%	0.100%
184	15.066	14.957	15.111	VV	64	3603	1.49%	0.855%
185	15.127	15.111	15.147	VV	32	479	0.20%	0.114%
186	15.191	15.147	15.225	VV	44	1153	0.48%	0.274%
187	15.234	15.225	15.267	VV	34	588	0.24%	0.140%
188	15.310	15.267	15.338	VV	42	1068	0.44%	0.254%
189	15.406	15.338	15.494	VV	75	4202	1.74%	0.998%
190	15.517	15.494	15.586	VV	44	1644	0.68%	0.390%
191	15.643	15.586	15.668	VV	41	1199	0.50%	0.285%
192	15.690	15.668	15.741	VV	33	905	0.37%	0.215%
193	15.768	15.741	15.801	PV	29	580	0.24%	0.138%
194	15.816	15.801	15.829	VV	26	288	0.12%	0.068%

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195	15.922	15.829	15.946	VV	34	1432	0.59%	0.340%
196	15.963	15.946	16.018	VV	25	822	0.34%	0.195%
197	16.074	16.018	16.091	VV	25	634	0.26%	0.151%
198	16.209	16.091	16.327	VV	68	4914	2.04%	1.167%
199	16.342	16.327	16.357	VV	24	271	0.11%	0.064%
200	16.379	16.357	16.474	VV	28	1351	0.56%	0.321%
201	16.485	16.474	16.503	VV	19	255	0.11%	0.061%
202	16.614	16.503	16.634	VV	32	1264	0.52%	0.300%
203	16.645	16.634	16.679	VV	33	494	0.20%	0.117%
204	16.713	16.679	16.739	VV	28	539	0.22%	0.128%
205	16.775	16.739	16.795	VV	23	562	0.23%	0.133%
206	16.808	16.795	16.840	VV	23	469	0.19%	0.111%
207	16.854	16.840	16.871	VV	31	308	0.13%	0.073%
208	16.891	16.871	16.915	VV	25	318	0.13%	0.075%
209	16.928	16.915	16.957	VV	20	240	0.10%	0.057%
210	16.974	16.957	17.012	VV	25	242	0.10%	0.057%

Sum of corrected areas: 421148

FB051925.M Wed May 21 00:24:58 2025

Report of Analysis

Client:	CDM Smith	Date Collected:	05/15/25
Project:	South River WM Replacement	Date Received:	05/16/25
Client Sample ID:	TP-40	SDG No.:	Q2074
Lab Sample ID:	Q2074-07	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	89.2
Sample Wt/Vol:	7.11	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Final Vol:	5
GPC Factor :		Test:	Gasoline Range Organics
Prep Method :		Injection Volume :	

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031802.D	50	05/21/25 11:35	FB052125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	326	U	326	1770	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	20.1		50 - 150	101%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB052125\
Data File : FB031802.D
Signal(s) : FID2B.CH
Acq On : 21 May 2025 11:35
Operator : YP/AJ
Sample : Q2074-07 50X
Misc : 7.11G/5.00 ML MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-40

Integration File: Calibration.e
Quant Time: May 22 01:48:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB051925.M
Quant Title :
QLast Update : Mon May 19 10:47:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
5) s AAA-TFT	8.795	435281	20.130 ng/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

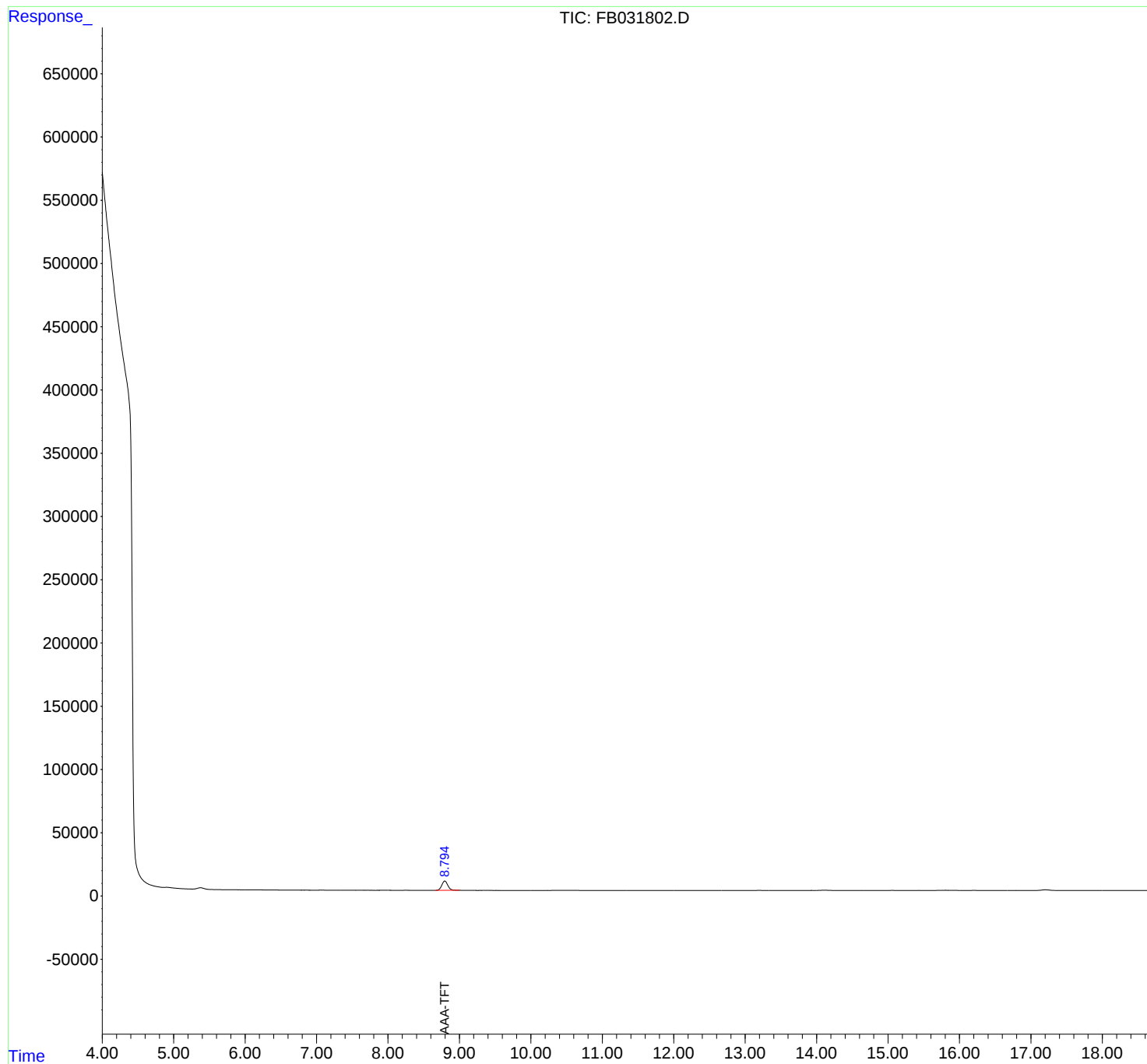
(m)=manual int.

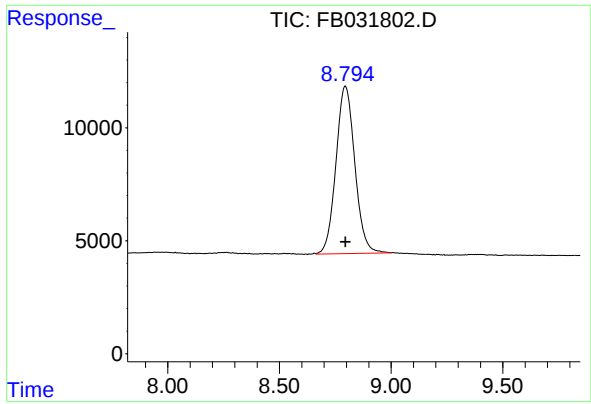
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB052125\
Data File : FB031802.D
Signal(s) : FID2B.CH
Acq On : 21 May 2025 11:35
Operator : YP/AJ
Sample : Q2074-07 50X
Misc : 7.11G/5.00 ML MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-40

Integration File: Calibration.e
Quant Time: May 22 01:48:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB051925.M
Quant Title :
QLast Update : Mon May 19 10:47:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#5 AAA-TFT

R.T.: 8.795 min
Delta R.T.: 0.000 min
Response: 435281
Conc: 20.13 ng/ml

Instrument :
FID_B
ClientSampleId :
TP-40

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB052125\
 Data File : FB031802.D
 Signal(s) : FID2B.CH
 Acq On : 21 May 2025 11:35
 Sample : Q2074-07 50X
 Misc : 7.11G/5.00 ML ME0H
 ALS Vial : 6 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB051925.M
 Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	5.636	5.625	5.685	PV	19	265	0.06%	0.040%
2	5.697	5.685	5.729	PV	21	217	0.05%	0.033%
3	5.737	5.729	5.775	PV	12	312	0.07%	0.047%
4	5.784	5.775	5.797	VV	21	155	0.03%	0.023%
5	5.806	5.797	5.813	VV	13	98	0.02%	0.015%
6	5.817	5.813	5.840	VV	22	116	0.03%	0.017%
7	5.849	5.840	5.883	VV	31	304	0.07%	0.045%
8	5.890	5.883	5.906	PV	16	71	0.02%	0.011%
9	5.918	5.906	5.933	PV	20	176	0.04%	0.026%
10	5.940	5.933	5.962	VV	17	163	0.04%	0.024%
11	5.971	5.962	6.007	VV	23	190	0.04%	0.028%
12	6.027	6.007	6.120	PV	25	1399	0.31%	0.209%
13	6.129	6.120	6.177	VV	41	1392	0.31%	0.208%
14	6.195	6.177	6.305	VV	68	2965	0.66%	0.443%
15	6.310	6.305	6.316	VV	33	188	0.04%	0.028%
16	6.322	6.316	6.330	VV	39	296	0.07%	0.044%
17	6.340	6.330	6.349	VV	54	517	0.12%	0.077%
18	6.359	6.349	6.378	VV	55	877	0.20%	0.131%
19	6.391	6.378	6.505	VV	57	2305	0.52%	0.345%
20	6.517	6.505	6.608	VV	18	599	0.13%	0.090%
21	6.612	6.608	6.636	VV	19	210	0.05%	0.031%
22	6.672	6.636	6.680	PV	30	434	0.10%	0.065%
23	6.690	6.680	6.738	VV	31	494	0.11%	0.074%
24	6.762	6.738	6.794	PV	16	281	0.06%	0.042%
25	6.813	6.794	6.832	VV	16	250	0.06%	0.037%
26	6.879	6.832	6.928	VV	33	1029	0.23%	0.154%
27	6.937	6.928	6.983	VV	17	356	0.08%	0.053%
28	6.997	6.983	7.019	PV	30	448	0.10%	0.067%
29	7.073	7.019	7.083	VV	70	1970	0.44%	0.294%
30	7.096	7.083	7.203	VV	75	2493	0.56%	0.373%
31	7.212	7.203	7.224	VV	17	137	0.03%	0.020%
32	7.235	7.224	7.242	PV	15	98	0.02%	0.015%
33	7.249	7.242	7.271	VV	18	131	0.03%	0.020%
34	7.285	7.271	7.304	PV	18	187	0.04%	0.028%
35	7.312	7.304	7.319	VV	12	61	0.01%	0.009%
36	7.345	7.319	7.371	VV	21	446	0.10%	0.067%

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37	7.381	7.371	7.420	VV	33	640	0.14%	0.096%	
38	7.429	7.420	7.470	VV	25	339	0.08%	0.051%	
39	7.483	7.470	7.504	VV	29	325	0.07%	0.049%	
40	7.510	7.504	7.521	VV	17	98	0.02%	0.015%	
41	7.534	7.521	7.548	VV	27	237	0.05%	0.035%	
42	7.563	7.548	7.571	PV	21	154	0.03%	0.023%	
43	7.577	7.571	7.581	VV	15	79	0.02%	0.012%	
44	7.592	7.581	7.598	VV	25	212	0.05%	0.032%	
45	7.606	7.598	7.632	VV	34	411	0.09%	0.061%	
46	7.670	7.632	7.679	VV	28	416	0.09%	0.062%	
47	7.717	7.679	7.724	VV	30	491	0.11%	0.073%	
48	7.732	7.724	7.756	VV	34	405	0.09%	0.060%	
49	7.765	7.756	7.794	VV	23	392	0.09%	0.059%	
50	7.802	7.794	7.822	VV	23	209	0.05%	0.031%	
51	7.854	7.822	7.871	VV	25	513	0.12%	0.077%	
52	7.917	7.871	7.924	VV	44	924	0.21%	0.138%	
53	7.944	7.924	7.966	VV	57	1292	0.29%	0.193%	
54	7.974	7.966	7.984	VV	57	555	0.12%	0.083%	
55	7.992	7.984	8.030	VV	55	1283	0.29%	0.192%	
56	8.035	8.030	8.076	VV	54	767	0.17%	0.115%	
57	8.091	8.076	8.113	VV	16	218	0.05%	0.033%	
58	8.121	8.113	8.130	VV	15	127	0.03%	0.019%	
59	8.139	8.130	8.164	VV	17	202	0.05%	0.030%	
60	8.188	8.164	8.200	VV	30	350	0.08%	0.052%	
61	8.211	8.200	8.218	VV	32	316	0.07%	0.047%	
62	8.265	8.218	8.286	VV	74	2142	0.48%	0.320%	
63	8.293	8.286	8.318	VV	55	657	0.15%	0.098%	
64	8.325	8.318	8.334	VV	26	176	0.04%	0.026%	
65	8.344	8.334	8.360	VV	25	296	0.07%	0.044%	
66	8.367	8.360	8.386	VV	30	169	0.04%	0.025%	
67	8.435	8.386	8.466	PV	24	616	0.14%	0.092%	
68	8.478	8.466	8.498	VV	26	301	0.07%	0.045%	
69	8.521	8.498	8.641	VV	36	1510	0.34%	0.226%	
70	8.657	8.641	8.664	VV	58	476	0.11%	0.071%	
71	8.795	8.664	9.002	VV	7463	446098	100.00%	66.690%	
72	9.010	9.002	9.086	VV	103	3984	0.89%	0.596%	
73	9.094	9.086	9.160	VV	61	1989	0.45%	0.297%	
74	9.169	9.160	9.198	VV	38	600	0.13%	0.090%	
75	9.212	9.198	9.244	VV	32	514	0.12%	0.077%	
76	9.251	9.244	9.277	VV	13	114	0.03%	0.017%	
77	9.289	9.277	9.309	PV	20	261	0.06%	0.039%	
78	9.361	9.309	9.383	VV	41	1200	0.27%	0.179%	
79	9.389	9.383	9.431	VV	48	1034	0.23%	0.155%	
80	9.442	9.431	9.494	VV	27	629	0.14%	0.094%	
81	9.516	9.494	9.531	PV	26	381	0.09%	0.057%	
82	9.540	9.531	9.550	VV	25	203	0.05%	0.030%	
83	9.560	9.550	9.587	VV	25	404	0.09%	0.060%	
84	9.592	9.587	9.631	VV	22	347	0.08%	0.052%	
85	9.643	9.631	9.667	VV	22	313	0.07%	0.047%	
86	9.676	9.667	9.734	VV	23	535	0.12%	0.080%	
87	9.754	9.734	9.793	VV	21	478	0.11%	0.071%	
88	9.822	9.793	9.842	VV	20	426	0.10%	0.064%	
89	9.861	9.842	9.883	VV	29	578	0.13%	0.086%	

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90	9.911	9.883	9.926	VV	33	620	0.14%	0.093%	
91	9.937	9.926	9.949	VV	27	279	0.06%	0.042%	
92	9.962	9.949	9.998	VV	24	480	0.11%	0.072%	
93	10.006	9.998	10.029	VV	26	286	0.06%	0.043%	
94	10.037	10.029	10.055	VV	13	122	0.03%	0.018%	
95	10.068	10.055	10.076	PV	22	177	0.04%	0.026%	
96	10.085	10.076	10.108	VV	26	322	0.07%	0.048%	
97	10.123	10.108	10.140	VV	24	308	0.07%	0.046%	
98	10.154	10.140	10.171	VV	37	385	0.09%	0.058%	
99	10.235	10.171	10.247	VV	49	1054	0.24%	0.158%	
100	10.273	10.247	10.281	VV	45	751	0.17%	0.112%	
101	10.337	10.281	10.354	VV	95	3038	0.68%	0.454%	
102	10.365	10.354	10.381	VV	102	1547	0.35%	0.231%	
103	10.392	10.381	10.429	VV	107	2697	0.60%	0.403%	
104	10.439	10.429	10.455	VV	81	1077	0.24%	0.161%	
105	10.466	10.455	10.488	VV	77	1417	0.32%	0.212%	
106	10.517	10.488	10.549	VV	85	2713	0.61%	0.406%	
107	10.558	10.549	10.578	VV	83	1290	0.29%	0.193%	
108	10.626	10.578	10.636	VV	114	3440	0.77%	0.514%	
109	10.642	10.636	10.726	VV	108	3132	0.70%	0.468%	
110	10.755	10.726	10.764	VV	42	762	0.17%	0.114%	
111	10.773	10.764	10.782	VV	46	397	0.09%	0.059%	
112	10.792	10.782	10.812	VV	41	649	0.15%	0.097%	
113	10.832	10.812	10.882	VV	44	1017	0.23%	0.152%	
114	10.895	10.882	10.903	VV	20	210	0.05%	0.031%	
115	10.973	10.903	10.983	VV	42	1177	0.26%	0.176%	
116	10.991	10.983	11.007	VV	55	482	0.11%	0.072%	
117	11.032	11.007	11.046	VV	31	530	0.12%	0.079%	
118	11.063	11.046	11.092	VV	26	511	0.11%	0.076%	
119	11.105	11.092	11.123	VV	21	273	0.06%	0.041%	
120	11.140	11.123	11.149	VV	21	226	0.05%	0.034%	
121	11.185	11.149	11.197	VV	23	517	0.12%	0.077%	
122	11.215	11.197	11.236	VV	27	419	0.09%	0.063%	
123	11.250	11.236	11.262	VV	26	293	0.07%	0.044%	
124	11.280	11.262	11.298	VV	29	356	0.08%	0.053%	
125	11.304	11.298	11.326	VV	8	103	0.02%	0.015%	
126	11.382	11.326	11.401	PV	32	617	0.14%	0.092%	
127	11.451	11.401	11.462	VV	41	995	0.22%	0.149%	
128	11.477	11.462	11.490	VV	62	717	0.16%	0.107%	
129	11.503	11.490	11.517	VV	46	602	0.13%	0.090%	
130	11.531	11.517	11.548	VV	34	517	0.12%	0.077%	
131	11.562	11.548	11.581	VV	54	656	0.15%	0.098%	
132	11.590	11.581	11.598	VV	40	349	0.08%	0.052%	
133	11.606	11.598	11.632	VV	42	609	0.14%	0.091%	
134	11.637	11.632	11.670	VV	34	519	0.12%	0.078%	
135	11.689	11.670	11.700	VV	22	327	0.07%	0.049%	
136	11.738	11.700	11.769	VV	34	875	0.20%	0.131%	
137	11.782	11.769	11.791	VV	26	232	0.05%	0.035%	
138	11.801	11.791	11.816	VV	25	267	0.06%	0.040%	
139	11.853	11.816	11.869	VV	47	985	0.22%	0.147%	
140	11.881	11.869	11.902	VV	41	555	0.12%	0.083%	
141	11.921	11.902	11.949	VV	24	502	0.11%	0.075%	

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142	11.974	11.949	11.986	VV	22	328	0.07%	0.049%
143	11.997	11.986	12.007	VV	24	188	0.04%	0.028%
144	12.057	12.007	12.072	PV	30	647	0.15%	0.097%
145	12.078	12.072	12.109	VV	29	481	0.11%	0.072%
146	12.125	12.109	12.155	VV	26	318	0.07%	0.048%
147	12.174	12.155	12.182	VV	17	212	0.05%	0.032%
148	12.194	12.182	12.222	VV	28	300	0.07%	0.045%
149	12.242	12.222	12.252	VV	20	198	0.04%	0.030%
150	12.276	12.252	12.294	VV	17	270	0.06%	0.040%
151	12.305	12.294	12.319	VV	19	174	0.04%	0.026%
152	12.350	12.319	12.370	VV	28	515	0.12%	0.077%
153	12.390	12.370	12.411	VV	17	213	0.05%	0.032%
154	12.428	12.411	12.446	VV	10	191	0.04%	0.029%
155	12.458	12.446	12.495	VV	22	466	0.10%	0.070%
156	12.503	12.495	12.518	VV	20	174	0.04%	0.026%
157	12.530	12.518	12.546	VV	37	292	0.07%	0.044%
158	12.559	12.546	12.584	PV	34	305	0.07%	0.046%
159	12.631	12.584	12.656	VV	30	728	0.16%	0.109%
160	12.687	12.656	12.696	PV	36	449	0.10%	0.067%
161	12.707	12.696	12.724	VV	40	497	0.11%	0.074%
162	12.738	12.724	12.745	VV	36	386	0.09%	0.058%
163	12.764	12.745	12.829	VV	54	1589	0.36%	0.237%
164	12.866	12.829	12.877	VV	26	544	0.12%	0.081%
165	12.906	12.877	12.916	VV	36	608	0.14%	0.091%
166	12.931	12.916	12.952	VV	36	553	0.12%	0.083%
167	12.961	12.952	12.976	VV	27	296	0.07%	0.044%
168	13.013	12.976	13.029	VV	39	855	0.19%	0.128%
169	13.059	13.029	13.097	VV	63	1940	0.43%	0.290%
170	13.105	13.097	13.116	VV	34	370	0.08%	0.055%
171	13.186	13.116	13.304	VV	138	7587	1.70%	1.134%
172	13.321	13.304	13.332	VV	26	318	0.07%	0.048%
173	13.349	13.332	13.373	VV	26	478	0.11%	0.071%
174	13.386	13.373	13.418	VV	27	362	0.08%	0.054%
175	13.437	13.418	13.444	VV	22	196	0.04%	0.029%
176	13.451	13.444	13.473	VV	19	231	0.05%	0.035%
177	13.516	13.473	13.530	VV	32	710	0.16%	0.106%
178	13.539	13.530	13.545	VV	24	160	0.04%	0.024%
179	13.557	13.545	13.571	VV	38	423	0.09%	0.063%
180	13.595	13.571	13.608	VV	20	321	0.07%	0.048%
181	13.620	13.608	13.627	VV	27	187	0.04%	0.028%
182	13.636	13.627	13.644	VV	31	247	0.06%	0.037%
183	13.651	13.644	13.681	VV	28	249	0.06%	0.037%
184	13.702	13.681	13.711	VV	11	110	0.02%	0.016%
185	13.724	13.711	13.749	VV	24	320	0.07%	0.048%
186	13.779	13.749	13.803	VV	28	531	0.12%	0.079%
187	13.811	13.803	13.819	VV	19	134	0.03%	0.020%
188	13.932	13.819	13.977	VV	93	5031	1.13%	0.752%
189	13.986	13.977	14.006	VV	83	1291	0.29%	0.193%
190	14.106	14.006	14.265	VV	251	21528	4.83%	3.218%
191	14.273	14.265	14.298	VV	43	589	0.13%	0.088%
192	14.318	14.298	14.340	VV	54	800	0.18%	0.120%
193	14.355	14.340	14.366	VV	51	602	0.14%	0.090%
194	14.379	14.366	14.403	VV	51	801	0.18%	0.120%

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195	14.434	14.403	14.451	VV	47	854	0.19%	0.128%
196	14.461	14.451	14.472	VV	27	241	0.05%	0.036%
197	14.492	14.472	14.502	VV	22	275	0.06%	0.041%
198	14.521	14.502	14.546	VV	25	477	0.11%	0.071%
199	14.555	14.546	14.578	VV	29	394	0.09%	0.059%
200	14.588	14.578	14.605	VV	20	186	0.04%	0.028%
201	14.647	14.605	14.665	PV	30	553	0.12%	0.083%
202	14.674	14.665	14.682	VV	25	167	0.04%	0.025%
203	14.695	14.682	14.705	VV	20	189	0.04%	0.028%
204	14.711	14.705	14.716	VV	12	61	0.01%	0.009%
205	14.726	14.716	14.751	VV	27	291	0.07%	0.043%
206	14.769	14.751	14.795	VV	24	401	0.09%	0.060%
207	14.803	14.795	14.815	VV	21	177	0.04%	0.027%
208	14.824	14.815	14.840	VV	17	147	0.03%	0.022%
209	14.869	14.840	14.897	VV	20	481	0.11%	0.072%
210	14.909	14.897	14.920	VV	17	169	0.04%	0.025%
211	14.930	14.920	14.944	VV	20	204	0.05%	0.031%
212	14.970	14.944	14.978	VV	24	384	0.09%	0.057%
213	15.054	14.978	15.160	VV	117	6005	1.35%	0.898%
214	15.175	15.160	15.184	VV	40	341	0.08%	0.051%
215	15.196	15.184	15.205	VV	46	391	0.09%	0.058%
216	15.217	15.205	15.250	VV	40	776	0.17%	0.116%
217	15.260	15.250	15.264	VV	21	128	0.03%	0.019%
218	15.271	15.264	15.277	VV	23	142	0.03%	0.021%
219	15.290	15.277	15.320	VV	44	614	0.14%	0.092%
220	15.355	15.320	15.369	VV	55	1056	0.24%	0.158%
221	15.381	15.369	15.392	VV	58	667	0.15%	0.100%
222	15.436	15.392	15.446	VV	92	2285	0.51%	0.342%
223	15.454	15.446	15.465	VV	72	762	0.17%	0.114%
224	15.481	15.465	15.494	VV	66	1068	0.24%	0.160%
225	15.503	15.494	15.534	VV	63	1334	0.30%	0.199%
226	15.549	15.534	15.572	VV	55	1002	0.22%	0.150%
227	15.581	15.572	15.592	VV	50	499	0.11%	0.075%
228	15.603	15.592	15.619	VV	60	780	0.17%	0.117%
229	15.643	15.619	15.653	VV	79	1232	0.28%	0.184%
230	15.777	15.653	15.786	VV	159	8983	2.01%	1.343%
231	15.811	15.786	15.827	VV	186	4223	0.95%	0.631%
232	15.845	15.827	15.895	VV	180	6161	1.38%	0.921%
233	15.912	15.895	15.999	VV	154	6603	1.48%	0.987%
234	16.007	15.999	16.060	VV	68	1643	0.37%	0.246%
235	16.069	16.060	16.078	VV	36	261	0.06%	0.039%
236	16.104	16.078	16.114	VV	41	595	0.13%	0.089%
237	16.134	16.114	16.147	VV	42	602	0.13%	0.090%
238	16.204	16.147	16.272	VV	135	6246	1.40%	0.934%
239	16.277	16.272	16.298	VV	50	620	0.14%	0.093%
240	16.309	16.298	16.334	VV	40	699	0.16%	0.105%
241	16.351	16.334	16.367	VV	36	613	0.14%	0.092%
242	16.375	16.367	16.382	VV	41	311	0.07%	0.046%
243	16.401	16.382	16.427	VV	50	949	0.21%	0.142%
244	16.437	16.427	16.451	VV	28	273	0.06%	0.041%
245	16.465	16.451	16.510	VV	27	567	0.13%	0.085%
246	16.524	16.510	16.535	VV	35	325	0.07%	0.049%

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247	16.623	16.535	16.667	VV	52	2173	0.49%	0.325%
248	16.678	16.667	16.686	VV	20	199	0.04%	0.030%
249	16.694	16.686	16.719	VV	16	267	0.06%	0.040%
250	16.786	16.719	16.797	VV	49	1240	0.28%	0.185%
251	16.807	16.797	16.832	VV	37	498	0.11%	0.074%
252	16.855	16.832	16.872	VV	30	365	0.08%	0.055%
253	16.885	16.872	16.919	PV	25	417	0.09%	0.062%
254	16.948	16.919	16.970	VV	24	266	0.06%	0.040%
255	16.985	16.970	17.002	VV	16	141	0.03%	0.021%
256	17.029	17.002	17.043	PV	14	78	0.02%	0.012%
257	17.074	17.043	17.082	PV	14	171	0.04%	0.026%
Sum of corrected areas:							668911	

Report of Analysis

Client:	CDM Smith	Date Collected:	05/16/25
Project:	South River WM Replacement	Date Received:	05/16/25
Client Sample ID:	TP-18	SDG No.:	Q2074
Lab Sample ID:	Q2074-08	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	78
Sample Wt/Vol:	7.68	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Gasoline Range Organics
GPC Factor :		Injection Volume :	
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031803.D	50	05/21/25 12:12	FB052125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	345	U	345	1880	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	19.1		50 - 150	95%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB052125\
Data File : FB031803.D
Signal(s) : FID2B.CH
Acq On : 21 May 2025 12:12
Operator : YP/AJ
Sample : Q2074-08 50X
Misc : 7.68G/5.00 ML MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-18

Integration File: Calibration.e
Quant Time: May 22 01:48:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB051925.M
Quant Title :
QLast Update : Mon May 19 10:47:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
5) s AAA-TFT	8.795	412294	19.067 ng/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

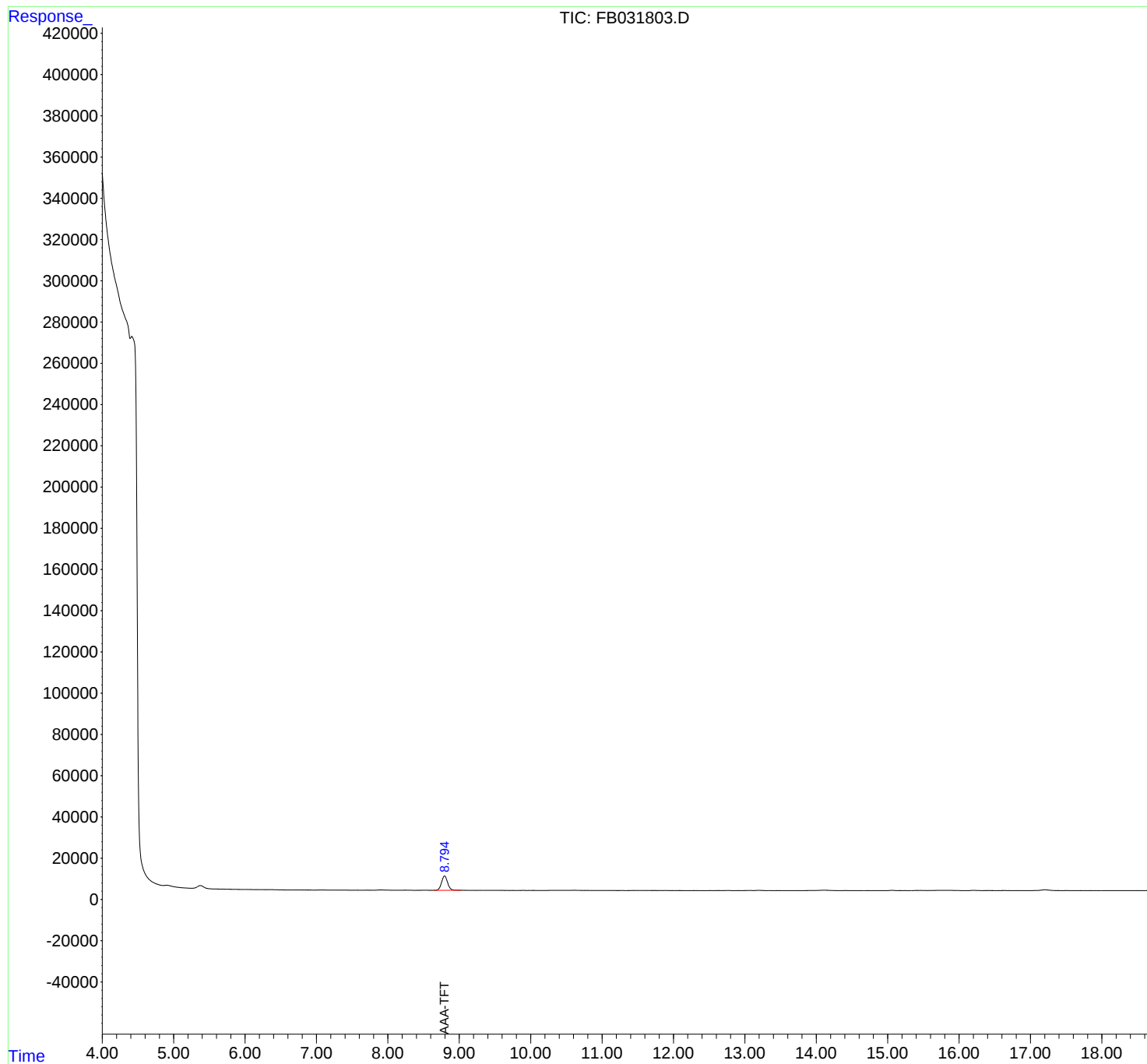
(m)=manual int.

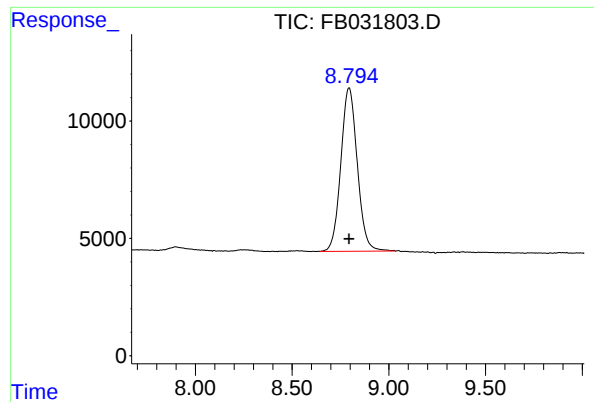
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB052125\
Data File : FB031803.D
Signal(s) : FID2B.CH
Acq On : 21 May 2025 12:12
Operator : YP/AJ
Sample : Q2074-08 50X
Misc : 7.68G/5.00 ML MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-18

Integration File: Calibration.e
Quant Time: May 22 01:48:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB051925.M
Quant Title :
QLast Update : Mon May 19 10:47:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#5 AAA-TFT

R.T.: 8.795 min
Delta R.T.: 0.000 min
Response: 412294
Conc: 19.07 ng/ml

Instrument :

FID_B

ClientSampleId :

TP-18

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB052125\
 Data File : FB031803.D
 Signal(s) : FID2B.CH
 Acq On : 21 May 2025 12:12
 Sample : Q2074-08 50X
 Misc : 7.68G/5.00 ML MEOH
 ALS Vial : 7 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB051925.M
 Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	5.769	5.760	5.878	PV	19	259	0.06%	0.039%
2	5.886	5.878	5.901	VV	15	132	0.03%	0.020%
3	5.919	5.901	5.969	PV	31	432	0.10%	0.064%
4	5.980	5.969	5.996	PV	14	145	0.03%	0.022%
5	6.002	5.996	6.016	VV	29	170	0.04%	0.025%
6	6.026	6.016	6.037	PV	18	117	0.03%	0.017%
7	6.057	6.037	6.069	VV	29	333	0.08%	0.050%
8	6.089	6.069	6.127	VV	33	731	0.17%	0.109%
9	6.150	6.127	6.158	VV	42	557	0.13%	0.083%
10	6.173	6.158	6.195	VV	50	869	0.20%	0.130%
11	6.210	6.195	6.285	VV	55	1896	0.45%	0.283%
12	6.298	6.285	6.311	VV	37	523	0.12%	0.078%
13	6.325	6.311	6.346	VV	66	1153	0.27%	0.172%
14	6.364	6.346	6.487	VV	91	4201	0.99%	0.626%
15	6.494	6.487	6.550	VV	21	362	0.09%	0.054%
16	6.555	6.550	6.566	VV	20	96	0.02%	0.014%
17	6.576	6.566	6.586	PV	14	106	0.02%	0.016%
18	6.596	6.586	6.655	VV	17	279	0.07%	0.042%
19	6.665	6.655	6.711	PV	18	316	0.07%	0.047%
20	6.723	6.711	6.747	VV	20	230	0.05%	0.034%
21	6.759	6.747	6.771	PV	14	133	0.03%	0.020%
22	6.782	6.771	6.804	VV	18	291	0.07%	0.043%
23	6.813	6.804	6.822	VV	24	160	0.04%	0.024%
24	6.838	6.822	6.851	VV	38	348	0.08%	0.052%
25	6.864	6.851	6.884	VV	21	301	0.07%	0.045%
26	6.898	6.884	6.966	VV	25	770	0.18%	0.115%
27	7.015	6.966	7.023	VV	30	644	0.15%	0.096%
28	7.090	7.023	7.121	VV	72	3330	0.78%	0.496%
29	7.128	7.121	7.144	VV	50	540	0.13%	0.080%
30	7.154	7.144	7.166	VV	39	400	0.09%	0.060%
31	7.174	7.166	7.206	VV	33	606	0.14%	0.090%
32	7.214	7.206	7.273	VV	26	461	0.11%	0.069%
33	7.281	7.273	7.297	VV	18	129	0.03%	0.019%
34	7.312	7.297	7.335	PV	24	304	0.07%	0.045%
35	7.366	7.335	7.402	VV	27	727	0.17%	0.108%
36	7.422	7.402	7.438	VV	30	453	0.11%	0.068%

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37	7.449	7.438	7.502	VV	24	498	0.12%	0.074%
38	7.527	7.502	7.548	PV	25	422	0.10%	0.063%
39	7.560	7.548	7.591	VV	35	596	0.14%	0.089%
40	7.601	7.591	7.609	VV	23	189	0.04%	0.028%
41	7.626	7.609	7.641	VV	29	453	0.11%	0.068%
42	7.652	7.641	7.661	VV	29	302	0.07%	0.045%
43	7.704	7.661	7.768	VV	49	2209	0.52%	0.329%
44	7.779	7.768	7.789	VV	39	394	0.09%	0.059%
45	7.795	7.789	7.809	VV	30	286	0.07%	0.043%
46	7.895	7.809	8.088	VV	179	14443	3.40%	2.152%
47	8.097	8.088	8.109	VV	39	309	0.07%	0.046%
48	8.123	8.109	8.130	VV	25	251	0.06%	0.037%
49	8.137	8.130	8.147	VV	26	199	0.05%	0.030%
50	8.156	8.147	8.173	VV	29	339	0.08%	0.051%
51	8.234	8.173	8.265	VV	79	2906	0.68%	0.433%
52	8.272	8.265	8.367	VV	76	2459	0.58%	0.367%
53	8.376	8.367	8.388	VV	20	205	0.05%	0.031%
54	8.398	8.388	8.412	VV	28	299	0.07%	0.045%
55	8.420	8.412	8.426	VV	23	149	0.04%	0.022%
56	8.447	8.426	8.459	VV	32	529	0.12%	0.079%
57	8.498	8.459	8.513	VV	53	1255	0.30%	0.187%
58	8.527	8.513	8.538	VV	60	813	0.19%	0.121%
59	8.550	8.538	8.597	VV	57	1488	0.35%	0.222%
60	8.614	8.597	8.623	VV	41	547	0.13%	0.082%
61	8.638	8.623	8.645	VV	46	495	0.12%	0.074%
62	8.795	8.645	9.017	VV	7019	425075	100.00%	63.347%
63	9.027	9.017	9.037	VV	105	1198	0.28%	0.179%
64	9.051	9.037	9.066	VV	103	1458	0.34%	0.217%
65	9.083	9.066	9.136	VV	78	2628	0.62%	0.392%
66	9.146	9.136	9.166	VV	58	874	0.21%	0.130%
67	9.175	9.166	9.219	VV	64	1496	0.35%	0.223%
68	9.231	9.219	9.242	VV	44	420	0.10%	0.063%
69	9.258	9.242	9.275	PV	36	541	0.13%	0.081%
70	9.283	9.275	9.292	VV	37	341	0.08%	0.051%
71	9.306	9.292	9.321	VV	53	718	0.17%	0.107%
72	9.338	9.321	9.348	VV	65	841	0.20%	0.125%
73	9.381	9.348	9.398	VV	69	1657	0.39%	0.247%
74	9.408	9.398	9.416	VV	59	557	0.13%	0.083%
75	9.422	9.416	9.449	VV	59	913	0.21%	0.136%
76	9.464	9.449	9.520	VV	53	1876	0.44%	0.280%
77	9.537	9.520	9.551	VV	42	681	0.16%	0.102%
78	9.561	9.551	9.597	VV	40	879	0.21%	0.131%
79	9.623	9.597	9.643	VV	35	811	0.19%	0.121%
80	9.665	9.643	9.706	VV	29	839	0.20%	0.125%
81	9.739	9.706	9.770	VV	32	926	0.22%	0.138%
82	9.788	9.770	9.825	VV	26	639	0.15%	0.095%
83	9.835	9.825	9.847	VV	36	282	0.07%	0.042%
84	9.857	9.847	9.864	VV	32	228	0.05%	0.034%
85	9.885	9.864	9.893	VV	46	621	0.15%	0.093%
86	9.901	9.893	9.917	VV	41	540	0.13%	0.081%
87	9.922	9.917	9.951	VV	44	527	0.12%	0.078%
88	9.972	9.951	10.006	VV	36	912	0.21%	0.136%
89	10.014	10.006	10.082	VV	38	1151	0.27%	0.172%

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90	10.109	10.082	10.137	VV	33	674	0.16%	0.100%
91	10.145	10.137	10.183	VV	28	577	0.14%	0.086%
92	10.212	10.183	10.226	VV	38	655	0.15%	0.098%
93	10.259	10.226	10.282	VV	71	1481	0.35%	0.221%
94	10.385	10.282	10.441	VV	85	6430	1.51%	0.958%
95	10.488	10.441	10.500	VV	84	2264	0.53%	0.337%
96	10.508	10.500	10.519	VV	84	911	0.21%	0.136%
97	10.535	10.519	10.545	VV	88	1249	0.29%	0.186%
98	10.555	10.545	10.564	VV	91	966	0.23%	0.144%
99	10.593	10.564	10.602	VV	119	2368	0.56%	0.353%
100	10.614	10.602	10.627	VV	117	1700	0.40%	0.253%
101	10.636	10.627	10.694	VV	118	3127	0.74%	0.466%
102	10.707	10.694	10.741	VV	54	1245	0.29%	0.186%
103	10.751	10.741	10.773	VV	46	789	0.19%	0.118%
104	10.802	10.773	10.870	VV	64	2005	0.47%	0.299%
105	10.897	10.870	10.915	VV	35	610	0.14%	0.091%
106	10.926	10.915	10.949	VV	33	507	0.12%	0.076%
107	10.970	10.949	10.979	VV	48	595	0.14%	0.089%
108	10.986	10.979	10.995	VV	42	338	0.08%	0.050%
109	11.019	10.995	11.041	VV	45	938	0.22%	0.140%
110	11.062	11.041	11.085	VV	29	577	0.14%	0.086%
111	11.095	11.085	11.109	VV	38	317	0.07%	0.047%
112	11.139	11.109	11.150	VV	20	349	0.08%	0.052%
113	11.168	11.150	11.196	VV	41	568	0.13%	0.085%
114	11.227	11.196	11.236	VV	23	270	0.06%	0.040%
115	11.246	11.236	11.251	PV	20	97	0.02%	0.015%
116	11.261	11.251	11.270	VV	18	195	0.05%	0.029%
117	11.280	11.270	11.317	VV	27	503	0.12%	0.075%
118	11.361	11.317	11.381	VV	20	292	0.07%	0.044%
119	11.406	11.381	11.414	VV	34	361	0.09%	0.054%
120	11.446	11.414	11.495	VV	64	2172	0.51%	0.324%
121	11.504	11.495	11.517	VV	46	490	0.12%	0.073%
122	11.555	11.517	11.566	VV	55	1137	0.27%	0.169%
123	11.582	11.566	11.621	VV	48	1121	0.26%	0.167%
124	11.634	11.621	11.663	VV	33	636	0.15%	0.095%
125	11.670	11.663	11.699	VV	34	519	0.12%	0.077%
126	11.724	11.699	11.732	VV	23	377	0.09%	0.056%
127	11.750	11.732	11.774	VV	25	475	0.11%	0.071%
128	11.790	11.774	11.801	VV	38	394	0.09%	0.059%
129	11.831	11.801	11.851	VV	40	810	0.19%	0.121%
130	11.872	11.851	11.894	VV	35	664	0.16%	0.099%
131	11.917	11.894	11.927	VV	31	482	0.11%	0.072%
132	11.938	11.927	11.950	VV	24	259	0.06%	0.039%
133	11.963	11.950	11.976	VV	39	279	0.07%	0.042%
134	12.007	11.976	12.031	VV	35	687	0.16%	0.102%
135	12.043	12.031	12.063	VV	40	346	0.08%	0.052%
136	12.088	12.063	12.128	VV	44	792	0.19%	0.118%
137	12.155	12.128	12.173	VV	23	445	0.10%	0.066%
138	12.216	12.173	12.225	VV	18	368	0.09%	0.055%
139	12.233	12.225	12.242	VV	16	129	0.03%	0.019%
140	12.251	12.242	12.264	VV	15	161	0.04%	0.024%
141	12.286	12.264	12.308	VV	34	544	0.13%	0.081%

					rteres			
142	12.325	12.308	12.338	PV	39	293	0.07%	0.044%
143	12.389	12.338	12.416	VV	22	579	0.14%	0.086%
144	12.447	12.416	12.455	VV	26	394	0.09%	0.059%
145	12.467	12.455	12.484	VV	22	234	0.06%	0.035%
146	12.507	12.484	12.554	VV	31	722	0.17%	0.108%
147	12.587	12.554	12.602	VV	32	512	0.12%	0.076%
148	12.615	12.602	12.629	VV	42	469	0.11%	0.070%
149	12.636	12.629	12.704	VV	33	1193	0.28%	0.178%
150	12.753	12.704	12.761	VV	48	1125	0.26%	0.168%
151	12.771	12.761	12.785	VV	59	674	0.16%	0.101%
152	12.793	12.785	12.818	VV	58	632	0.15%	0.094%
153	12.833	12.818	12.860	VV	23	404	0.10%	0.060%
154	12.869	12.860	12.879	VV	27	212	0.05%	0.032%
155	12.918	12.879	12.969	VV	37	1209	0.28%	0.180%
156	13.036	12.969	13.048	VV	67	1810	0.43%	0.270%
157	13.058	13.048	13.085	VV	64	1189	0.28%	0.177%
158	13.093	13.085	13.123	VV	54	889	0.21%	0.132%
159	13.191	13.123	13.327	VV	124	7448	1.75%	1.110%
160	13.348	13.327	13.371	VV	40	628	0.15%	0.094%
161	13.381	13.371	13.399	VV	16	198	0.05%	0.029%
162	13.420	13.399	13.436	VV	32	396	0.09%	0.059%
163	13.454	13.436	13.480	VV	38	562	0.13%	0.084%
164	13.488	13.480	13.498	VV	34	169	0.04%	0.025%
165	13.536	13.498	13.552	PV	31	473	0.11%	0.071%
166	13.563	13.552	13.579	VV	29	307	0.07%	0.046%
167	13.599	13.579	13.609	VV	25	303	0.07%	0.045%
168	13.627	13.609	13.636	VV	17	217	0.05%	0.032%
169	13.653	13.636	13.706	VV	26	679	0.16%	0.101%
170	13.739	13.706	13.764	PV	37	585	0.14%	0.087%
171	13.778	13.764	13.790	VV	29	264	0.06%	0.039%
172	13.807	13.790	13.832	VV	21	386	0.09%	0.058%
173	13.929	13.832	13.945	VV	78	3114	0.73%	0.464%
174	13.957	13.945	13.965	VV	82	923	0.22%	0.137%
175	13.970	13.965	13.986	VV	78	915	0.22%	0.136%
176	14.006	13.986	14.017	VV	86	1437	0.34%	0.214%
177	14.106	14.017	14.265	VV	199	17806	4.19%	2.654%
178	14.274	14.265	14.279	VV	36	237	0.06%	0.035%
179	14.287	14.279	14.312	VV	36	495	0.12%	0.074%
180	14.325	14.312	14.337	VV	29	278	0.07%	0.041%
181	14.384	14.337	14.396	VV	39	1013	0.24%	0.151%
182	14.409	14.396	14.467	VV	46	1401	0.33%	0.209%
183	14.477	14.467	14.539	VV	25	792	0.19%	0.118%
184	14.554	14.539	14.572	VV	27	439	0.10%	0.065%
185	14.583	14.572	14.618	VV	31	517	0.12%	0.077%
186	14.628	14.618	14.639	VV	15	120	0.03%	0.018%
187	14.692	14.639	14.703	VV	27	454	0.11%	0.068%
188	14.723	14.703	14.744	VV	43	360	0.08%	0.054%
189	14.761	14.744	14.793	VV	29	390	0.09%	0.058%
190	14.855	14.793	14.881	VV	17	671	0.16%	0.100%
191	14.900	14.881	14.913	VV	26	398	0.09%	0.059%
192	14.925	14.913	14.960	VV	27	546	0.13%	0.081%
193	15.057	14.960	15.156	PV	133	6793	1.60%	1.012%
194	15.187	15.156	15.222	VV	43	1163	0.27%	0.173%

					rteres			
195	15.237	15.222	15.282	VV	48	1050	0.25%	0.156%
196	15.426	15.282	15.438	VV	88	4458	1.05%	0.664%
197	15.457	15.438	15.481	VV	92	2159	0.51%	0.322%
198	15.491	15.481	15.554	VV	80	2829	0.67%	0.422%
199	15.608	15.554	15.629	VV	63	2290	0.54%	0.341%
200	15.768	15.629	15.782	VV	138	9139	2.15%	1.362%
201	15.821	15.782	15.883	VV	126	6933	1.63%	1.033%
202	15.898	15.883	16.115	VV	117	7377	1.74%	1.099%
203	16.207	16.115	16.322	VV	124	8115	1.91%	1.209%
204	16.393	16.322	16.455	VV	57	3108	0.73%	0.463%
205	16.473	16.455	16.495	VV	44	663	0.16%	0.099%
206	16.562	16.495	16.578	PV	31	1055	0.25%	0.157%
207	16.641	16.578	16.678	VV	51	2304	0.54%	0.343%
208	16.694	16.678	16.739	VV	38	883	0.21%	0.132%
209	16.763	16.739	16.804	VV	28	760	0.18%	0.113%
210	16.826	16.804	16.848	VV	33	559	0.13%	0.083%
211	16.857	16.848	16.868	VV	27	256	0.06%	0.038%
212	16.879	16.868	16.895	VV	28	314	0.07%	0.047%
213	16.920	16.895	16.965	VV	26	719	0.17%	0.107%
214	16.975	16.965	17.018	VV	16	219	0.05%	0.033%
					Sum of corrected areas:	671024		

FB051925.M Thu May 22 02:50:59 2025



CALIBRATION SUMMARY

GASOLINE RANGE ORGANICS INITIAL CALIBRATION SUMMARY

Lab Name: Chemtech Contract: CAMP02
ProjectID: South River WM Replacement
Lab Code: CHEM Case No.: Q2074 SAS No.: Q2074 SDG No.: Q2074

Calibration Sequence : FB051925		Test : Gasoline Range Organics	
Concentration (PPB)	Area Count	Reference Factor	File ID
45	1581426	35143	FB031773.D
90	3666341	40737	FB031774.D
180	7299621	40553	FB031775.D
450	17934599	39855	FB031776.D
900	34196369	37996	FB031777.D
AVG RF : 38857		% RSD : 6.028	AVG RT : 8.795

GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Chemtech Contract: CAMP02
ProjectID: South River WM Replacement
Lab Code: CHEM Case No.: Q2074 SAS No.: Q2074 SDG No.: Q2074
DataFile: FB031779.D Analyst Name: YP/AJ Analyst Date: 05-20-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	6715387	37308	38857	3.986

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB052025\
 Data File : FB031779.D
 Signal(s) : FID2B.CH
 Acq On : 20 May 2025 9:17
 Operator : YP/AJ
 Sample : 20 PPB GRO STD
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 FID_B
 ClientSampleId :
 20 PPB GRO STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/21/2025
 Supervised By :mohammad ahmed 05/22/2025

Integration File: Calibration.e
 Quant Time: May 20 09:04:16 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB051925.M
 Quant Title :
 QLast Update : Mon May 19 10:47:15 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
5) s AAA-TFT	8.791	355842	16.456 ng/mlm
Target Compounds			
1) t 2-Methylpentane	4.729	998294	29.943 ng/ml
2) t 2,2,4-Trimethylpentane	7.426	1117261	27.955 ng/ml
3) t n-Heptane	7.755	350698	9.169 ng/ml
4) t Benzene	7.894	438343	9.348 ng/ml
6) t Toluene	10.621	1260993	28.559 ng/ml
7) t Ethylbenzene	13.058	373889	9.638 ng/ml
8) t m-Xylene	13.191	825349	19.143 ng/ml
9) t O-Xylene	13.919	775347	19.428 ng/ml
10) t 1,2,4-Trimethylbenzene	16.194	575213	20.160 ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB052025\
Data File : FB031779.D
Signal(s) : FID2B.CH
Acq On : 20 May 2025 9:17
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

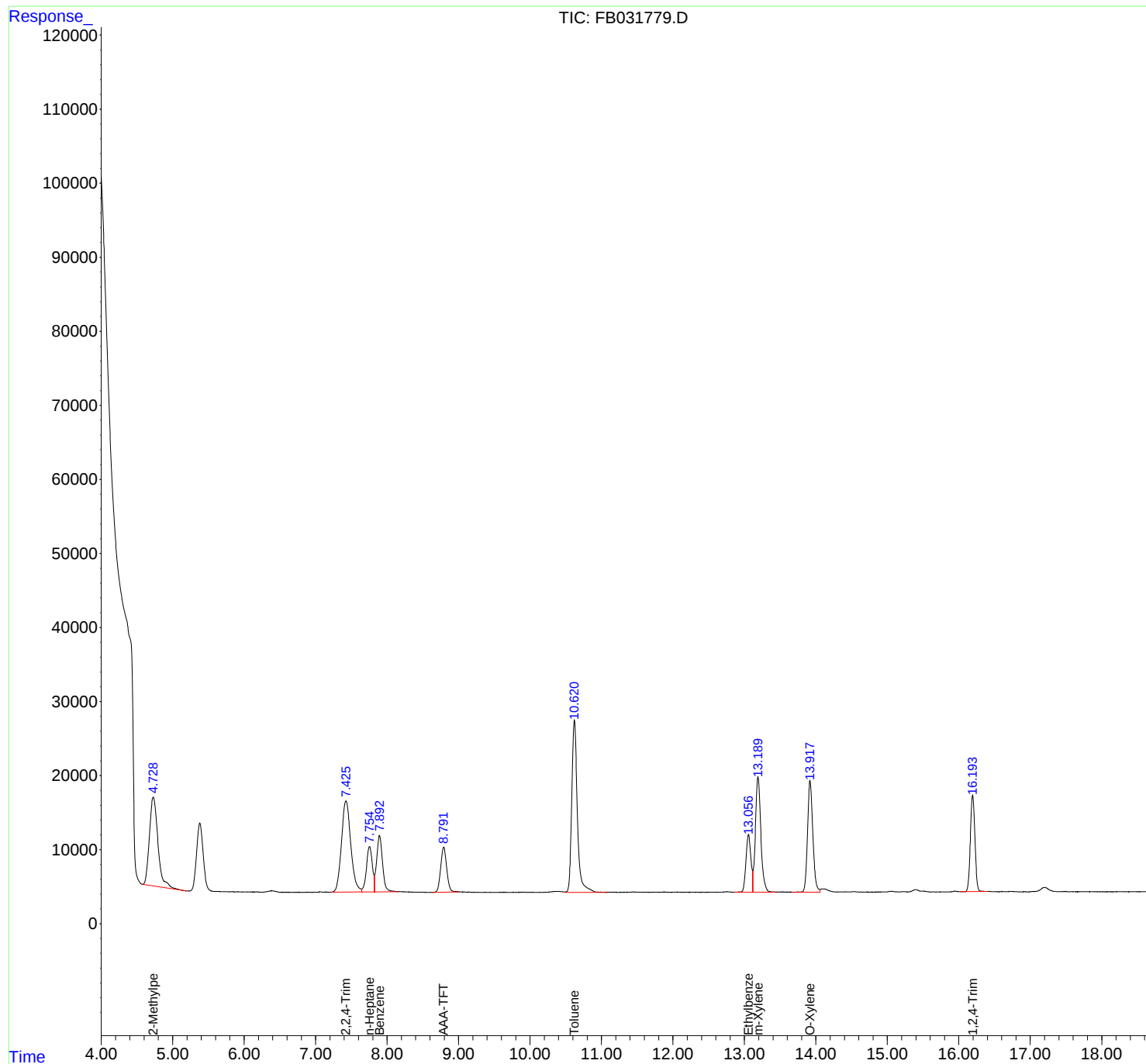
Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/21/2025
Supervised By :mohammad ahmed 05/22/2025

Integration File: Calibration.e
Quant Time: May 20 09:04:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB051925.M
Quant Title :
QLast Update : Mon May 19 10:47:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB05202
Data File : FB031779.D
Signal(s) : FID2B.CH
Acq On : 20 May 2025 9:17
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 05/21/2025
Supervised By :mohammad ahmed 05/22/2025

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB051925.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	4.571	5.194	BV	12017	998294	79.17%	14.138%
2	7.426	7.226	7.645	PV	12314	1117261	88.60%	15.823%
3	7.755	7.645	7.823	VV	6134	350698	27.81%	4.967%
4	7.894	7.823	8.156	VV	7635	438343	34.76%	6.208%
5	8.793	8.528	8.963	BV	6049	345445	27.39%	4.892%
6	10.621	10.488	11.078	VV	23238	1260993	100.00%	17.859%
7	13.058	12.859	13.118	BV	7810	373889	29.65%	5.295%
8	13.191	13.118	13.436	VV	15557	825349	65.45%	11.689%
9	13.919	13.667	14.057	BV	15055	775347	61.49%	10.981%
10	16.194	16.016	16.403	VBA	13004	575213	45.62%	8.147%

Sum of corrected areas: 7060832

FB051925.M Wed May 21 00:16:14 2025

GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Chemtech Contract: CAMP02
ProjectID: South River WM Replacement
Lab Code: CHEM Case No.: Q2074 SAS No.: Q2074 SDG No.: Q2074
DataFile: FB031790.D Analyst Name: YP/AJ Analyst Date: 05-20-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	6776643	37648	38857	3.111

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB052025\
 Data File : FB031790.D
 Signal(s) : FID2B.CH
 Acq On : 20 May 2025 15:01
 Operator : YP/AJ
 Sample : 20 PPB GRO STD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 FID_B
 ClientSampleId :
 20 PPB GRO STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/21/2025
 Supervised By :mohammad ahmed 05/22/2025

Integration File: Calibration.e
 Quant Time: May 20 23:35:45 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB051925.M
 Quant Title :
 QLast Update : Mon May 19 10:47:15 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
5) s AAA-TFT	8.796	465869	21.544 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.728	989405	29.677 ng/mlm
2) t 2,2,4-Trimethylpentane	7.428	1182112	29.578 ng/ml
3) t n-Heptane	7.758	377366	9.866 ng/ml
4) t Benzene	7.898	456422	9.734 ng/ml
6) t Toluene	10.625	1284258	29.086 ng/ml
7) t Ethylbenzene	13.061	371883	9.586 ng/ml
8) t m-Xylene	13.195	824006	19.112 ng/ml
9) t O-Xylene	13.923	765560	19.183 ng/ml
10) t 1,2,4-Trimethylbenzene	16.198	525631	18.422 ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB052025\
Data File : FB031790.D
Signal(s) : FID2B.CH
Acq On : 20 May 2025 15:01
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 14 Sample Multiplier: 1

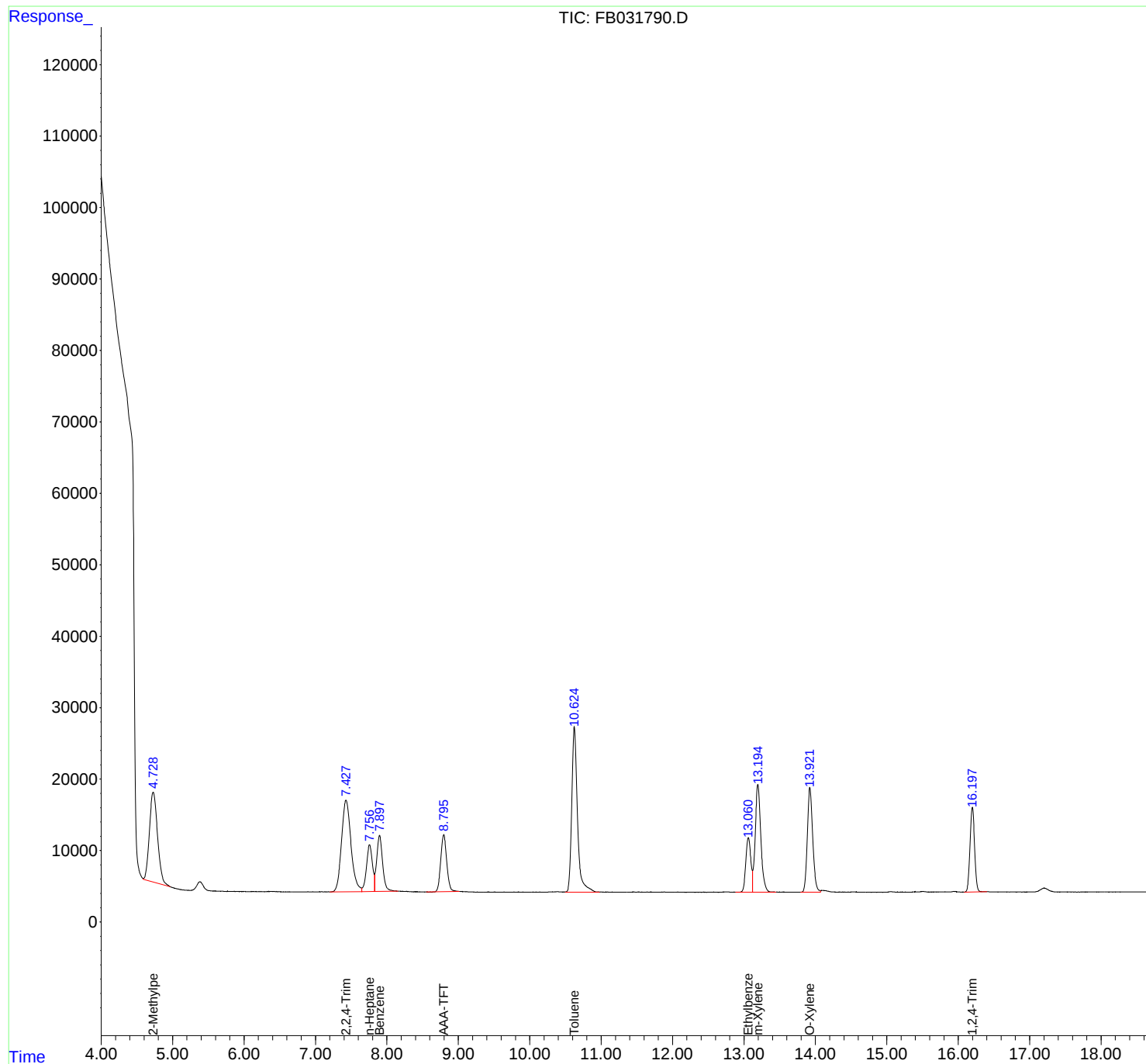
Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/21/2025
Supervised By :mohammad ahmed 05/22/2025

Integration File: Calibration.e
Quant Time: May 20 23:35:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB051925.M
Quant Title :
QLast Update : Mon May 19 10:47:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB05202
Data File : FB031790.D
Signal(s) : FID2B.CH
Acq On : 20 May 2025 15:01
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 14 Sample Multiplier: 1

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 05/21/2025
Supervised By :mohammad ahmed 05/22/2025

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB051925.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	4.582	5.208	BV	12458	939474	73.15%	13.062%
2	7.428	7.199	7.648	PV	12825	1182112	92.05%	16.435%
3	7.758	7.648	7.827	VV	6554	377366	29.38%	5.247%
4	7.898	7.827	8.158	VV	7852	456422	35.54%	6.346%
5	8.796	8.551	9.018	BV	7992	465869	36.28%	6.477%
6	10.625	10.499	10.981	BV	23147	1284258	100.00%	17.855%
7	13.061	12.880	13.122	VV	7640	371883	28.96%	5.170%
8	13.195	13.122	13.449	VV	15086	824006	64.16%	11.456%
9	13.923	13.789	14.073	PV	14654	765560	59.61%	10.644%
10	16.198	16.083	16.403	PBA	11859	525631	40.93%	7.308%

Sum of corrected areas: 7192580

FB051925.M Wed May 21 00:18:38 2025

GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Chemtech Contract: CAMP02
ProjectID: South River WM Replacement
Lab Code: CHEM Case No.: Q2074 SAS No.: Q2074 SDG No.: Q2074
DataFile: FB031797.D Analyst Name: YP/AJ Analyst Date: 05-21-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	6713502	37297	38857	4.015

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB052125\
 Data File : FB031797.D
 Signal(s) : FID2B.CH
 Acq On : 21 May 2025 9:04
 Operator : YP/AJ
 Sample : 20 PPB GRO STD
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 FID_B
 ClientSampleId :
 20 PPB GRO STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/22/2025
 Supervised By :mohammad ahmed 05/26/2025

Integration File: Calibration.e
 Quant Time: May 22 01:47:42 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB051925.M
 Quant Title :
 QLast Update : Mon May 19 10:47:15 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
5) s AAA-TFT	8.793	356006	16.464 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.725	909148	27.269 ng/mlm
2) t 2,2,4-Trimethylpentane	7.426	1164957	29.149 ng/ml
3) t n-Heptane	7.756	350992	9.176 ng/ml
4) t Benzene	7.895	461843	9.849 ng/ml
6) t Toluene	10.623	1303325	29.518 ng/ml
7) t Ethylbenzene	13.058	374720	9.660 ng/ml
8) t m-Xylene	13.192	825142	19.138 ng/ml
9) t O-Xylene	13.920	786377	19.705 ng/ml
10) t 1,2,4-Trimethylbenzene	16.196	536998	18.821 ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB052125\
Data File : FB031797.D
Signal(s) : FID2B.CH
Acq On : 21 May 2025 9:04
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

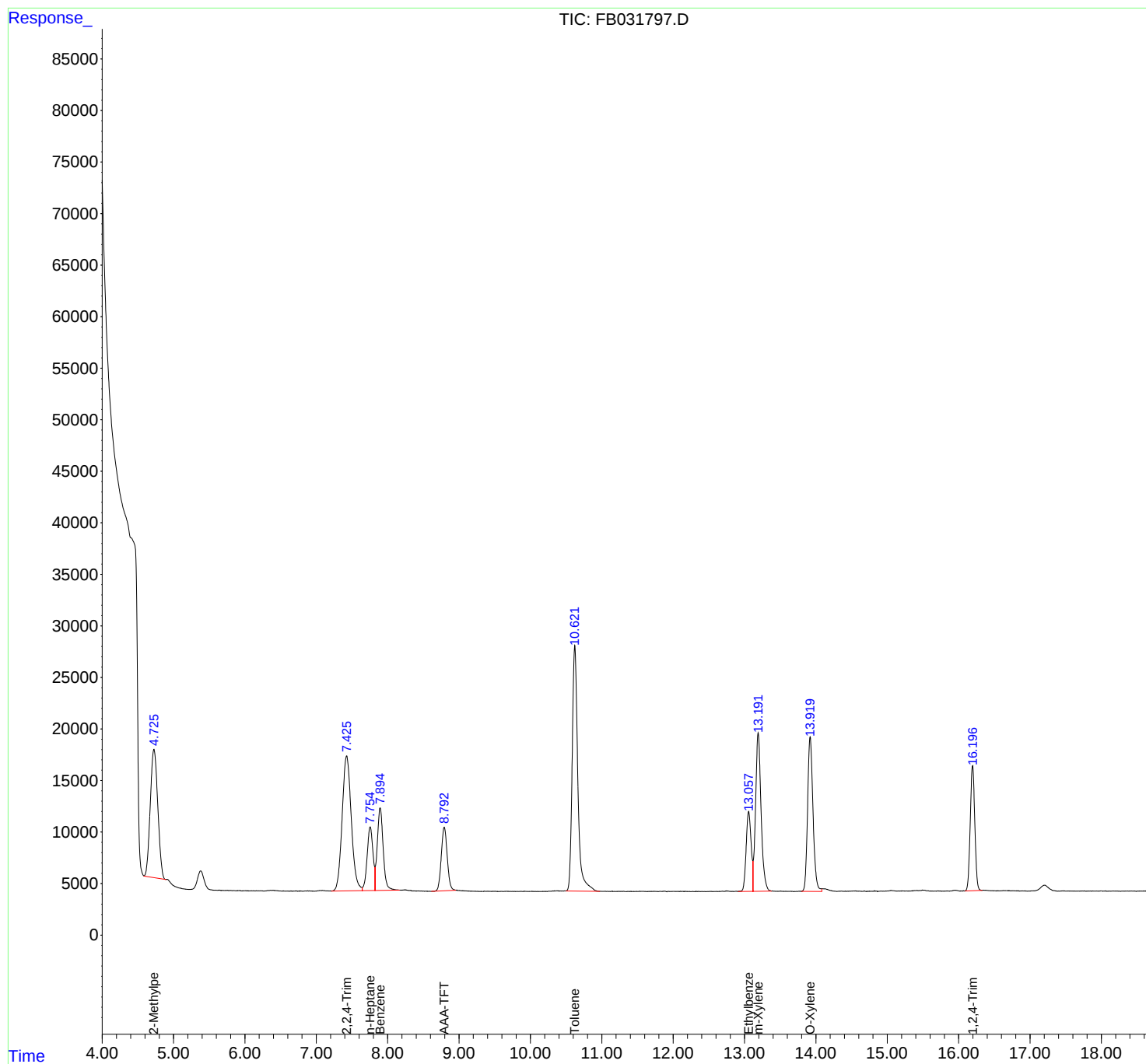
Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/22/2025
Supervised By :mohammad ahmed 05/26/2025

Integration File: Calibration.e
Quant Time: May 22 01:47:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB051925.M
Quant Title :
QLast Update : Mon May 19 10:47:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Instrument :

FID_B

LabSampleId :

20 PPB GRO STD

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 05/22/2025

Supervised By :mohammad ahmed 05/26/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB05212
Data File : FB031797.D
Signal(s) : FID2B.CH
Acq On : 21 May 2025 9:04
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB051925.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	4.576	5.216	BV	12561	927458	71.16%	13.085%
2	7.426	7.212	7.643	PV	13100	1164957	89.38%	16.436%
3	7.756	7.643	7.823	VV	6181	350992	26.93%	4.952%
4	7.895	7.823	8.169	VV	8011	461843	35.44%	6.516%
5	8.793	8.612	8.957	BV	6172	356006	27.32%	5.023%
6	10.623	10.497	10.975	PV	23850	1303325	100.00%	18.388%
7	13.058	12.909	13.119	BV	7757	374720	28.75%	5.287%
8	13.192	13.119	13.380	VV	15369	825142	63.31%	11.642%
9	13.920	13.797	14.084	PV	15011	786377	60.34%	11.095%
10	16.196	16.088	16.333	PV	12126	536998	41.20%	7.576%

Sum of corrected areas: 7087817

FB051925.M Thu May 22 02:46:24 2025

GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Chemtech Contract: CAMP02
ProjectID: South River WM Replacement
Lab Code: CHEM Case No.: Q2074 SAS No.: Q2074 SDG No.: Q2074
DataFile: FB031805.D Analyst Name: YP/AJ Analyst Date: 05-21-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	6687638	37154	38857	4.383

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB052125\
 Data File : FB031805.D
 Signal(s) : FID2B.CH
 Acq On : 21 May 2025 13:23
 Operator : YP/AJ
 Sample : 20 PPB GRO STD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 FID_B
 ClientSampleId :
 20 PPB GRO STD

Integration File: Calibration.e
 Quant Time: May 22 01:49:05 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB051925.M
 Quant Title :
 QLast Update : Mon May 19 10:47:15 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
5) s AAA-TFT	8.794	362601	16.769 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.728	969892	29.091 ng/ml
2) t 2,2,4-Trimethylpentane	7.426	1161760	29.069 ng/ml
3) t n-Heptane	7.757	357998	9.359 ng/ml
4) t Benzene	7.897	450864	9.615 ng/ml
6) t Toluene	10.624	1266431	28.683 ng/ml
7) t Ethylbenzene	13.060	369145	9.516 ng/ml
8) t m-Xylene	13.194	817479	18.960 ng/ml
9) t O-Xylene	13.922	768034	19.245 ng/ml
10) t 1,2,4-Trimethylbenzene	16.196	526035	18.436 ng/ml

(f)=RT Delta > 1/2 Window

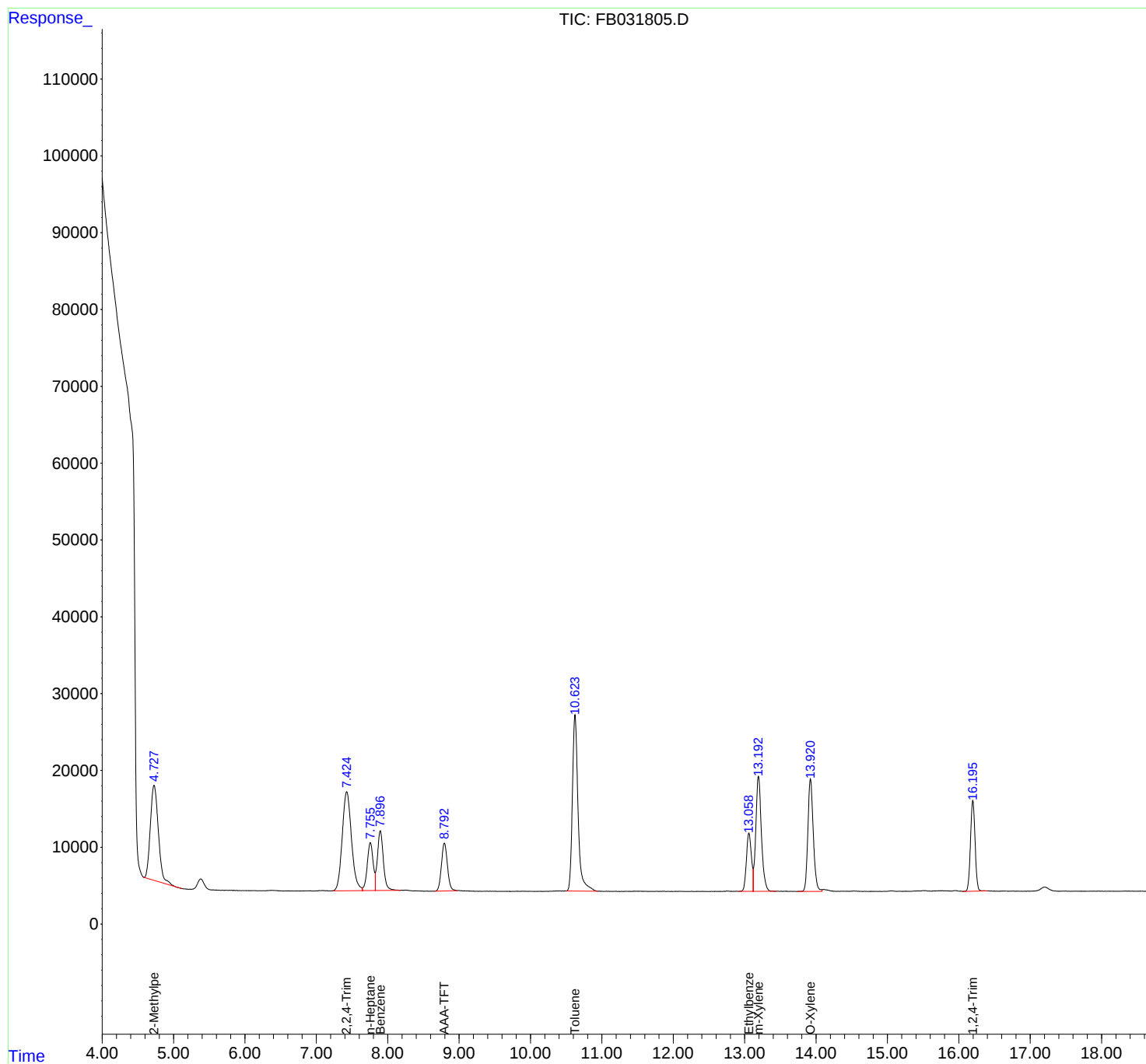
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB052125\
Data File : FB031805.D
Signal(s) : FID2B.CH
Acq On : 21 May 2025 13:23
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: May 22 01:49:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB051925.M
Quant Title :
QLast Update : Mon May 19 10:47:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB052125\
Data File : FB031805.D
Signal(s) : FID2B.CH
Acq On : 21 May 2025 13:23
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB051925.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	4.576	5.116	BV	12390	969892	76.58%	13.757%
2	7.426	7.231	7.645	VV	12906	1161760	91.73%	16.478%
3	7.757	7.645	7.825	VV	6245	357998	28.27%	5.078%
4	7.897	7.825	8.183	VV	7791	450864	35.60%	6.395%
5	8.794	8.654	8.979	BV	6227	362601	28.63%	5.143%
6	10.624	10.502	10.953	BV	22938	1266431	100.00%	17.963%
7	13.060	12.915	13.121	PV	7592	369145	29.15%	5.236%
8	13.194	13.121	13.447	VV	14993	817479	64.55%	11.595%
9	13.922	13.742	14.084	BV	14645	768034	60.65%	10.894%
10	16.196	16.052	16.403	PBA	11808	526035	41.54%	7.461%

Sum of corrected areas: 7050241

FB051925.M Thu May 22 02:48:34 2025

GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Chemtech Contract: CAMP02
ProjectID: South River WM Replacement
Lab Code: CHEM Case No.: Q2074 SAS No.: Q2074 SDG No.: Q2074
DataFile: FB031811.D Analyst Name: YP/AJ Analyst Date: 05-21-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	7030843	39060	38857	0.522

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB052125\
 Data File : FB031811.D
 Signal(s) : FID2B.CH
 Acq On : 21 May 2025 16:52
 Operator : YP/AJ
 Sample : 20 PPB GRO STD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 FID_B
 ClientSampleId :
 20 PPB GRO STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/22/2025
 Supervised By :mohammad ahmed 05/26/2025

Integration File: Calibration.e
 Quant Time: May 22 01:50:03 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB051925.M
 Quant Title :
 QLast Update : Mon May 19 10:47:15 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
5) s AAA-TFT	8.796	396824	18.351 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.727	1039276	31.172 ng/mlm
2) t 2,2,4-Trimethylpentane	7.433	1234994	30.901 ng/ml
3) t n-Heptane	7.758	391840	10.244 ng/ml
4) t Benzene	7.898	481212	10.262 ng/ml
6) t Toluene	10.626	1336721	30.275 ng/ml
7) t Ethylbenzene	13.062	382649	9.864 ng/ml
8) t m-Xylene	13.196	847125	19.648 ng/ml
9) t O-Xylene	13.924	793591	19.885 ng/ml
10) t 1,2,4-Trimethylbenzene	16.198	523435	18.345 ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB052125\
Data File : FB031811.D
Signal(s) : FID2B.CH
Acq On : 21 May 2025 16:52
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 6 Sample Multiplier: 1

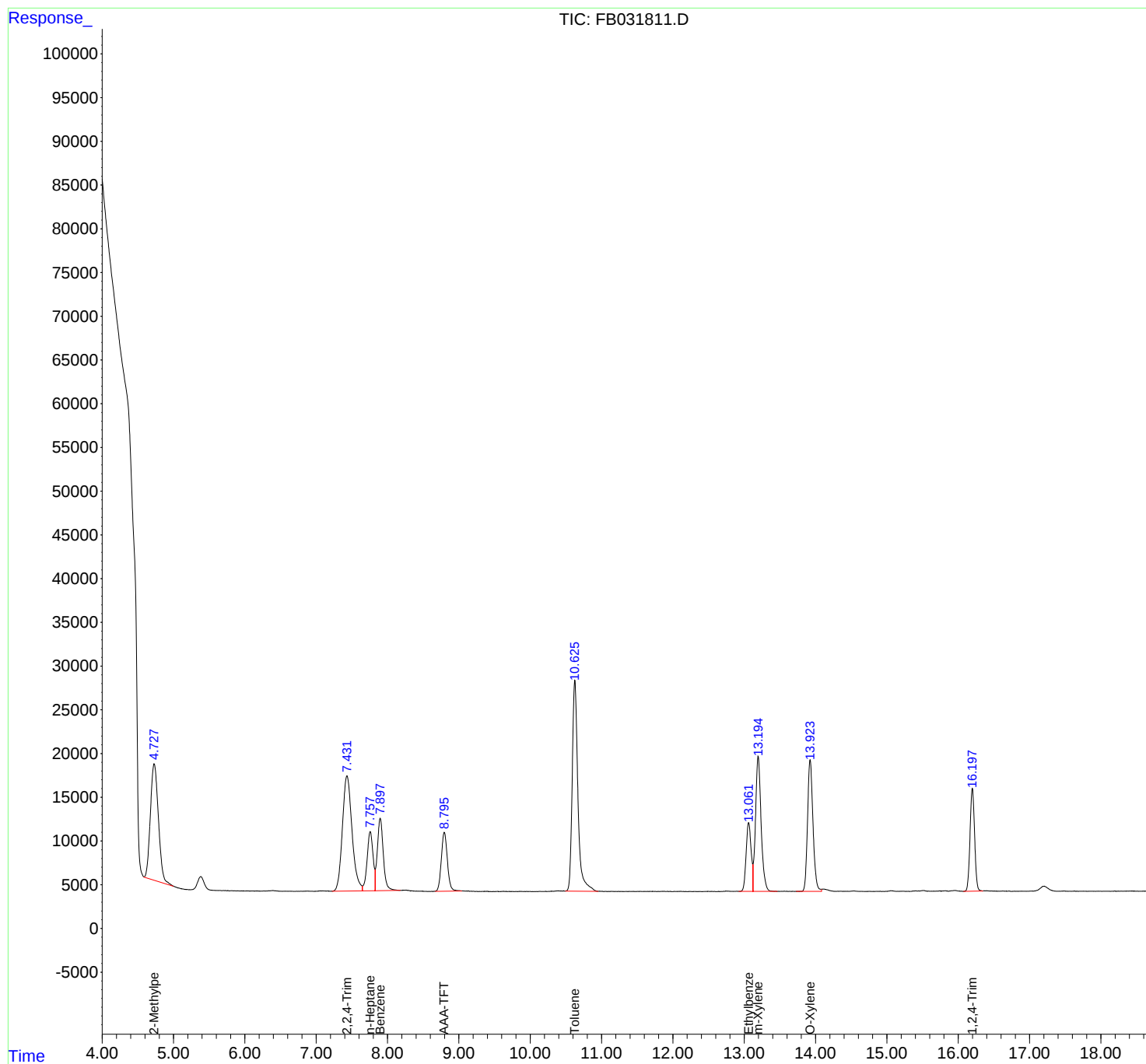
Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/22/2025
Supervised By :mohammad ahmed 05/26/2025

Integration File: Calibration.e
Quant Time: May 22 01:50:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB051925.M
Quant Title :
QLast Update : Mon May 19 10:47:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Instrument :

FID_B

LabSampleId :

20 PPB GRO STD

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 05/22/2025

Supervised By :mohammad ahmed 05/26/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB05212
Data File : FB031811.D
Signal(s) : FID2B.CH
Acq On : 21 May 2025 16:52
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB051925.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	4.582	5.244	BV	13245	996013	74.51%	13.488%
2	7.433	7.222	7.647	PV	13185	1234994	92.39%	16.724%
3	7.758	7.647	7.827	VV	6778	391840	29.31%	5.306%
4	7.898	7.827	8.183	VV	8278	481212	36.00%	6.517%
5	8.796	8.665	9.043	PV	6744	396824	29.69%	5.374%
6	10.626	10.491	10.951	BV	24122	1336721	100.00%	18.102%
7	13.062	12.922	13.123	PV	7870	382649	28.63%	5.182%
8	13.196	13.123	13.466	VV	15462	847125	63.37%	11.472%
9	13.924	13.731	14.083	BV	15056	793591	59.37%	10.747%
10	16.198	16.071	16.347	PV	11761	523435	39.16%	7.088%

Sum of corrected areas: 7384403

FB051925.M Thu May 22 02:49:16 2025

Analytical Sequence

Client: CDM Smith

SDG No.: Q2074

Project: South River WM Replacement

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 8.795					
EPA SAMPLE NO.	LAB SAMPLE ID	DATE AND TIME ANALYZED	DATAFILE	RT	#
20 PPB GRO STD	20 PPB GRO STD	20 May 2025 9:17	FB031779.D	8.793	
VBF0520S1	VBF0520S1	20 May 2025 10:00	FB031780.D	8.795	
BSF0520S1	BSF0520S1	20 May 2025 10:55	FB031782.D	8.796	
TP-12	Q2074-01	20 May 2025 11:23	FB031783.D	8.797	
TP-7	Q2074-02	20 May 2025 11:50	FB031784.D	8.796	
TP-15	Q2074-03	20 May 2025 12:27	FB031785.D	8.794	
TP-20	Q2074-04	20 May 2025 13:11	FB031786.D	8.795	
TP-19	Q2074-06	20 May 2025 14:06	FB031788.D	8.796	
BSF0520S2	BSF0520S2	20 May 2025 14:33	FB031789.D	8.796	
20 PPB GRO STD	20 PPB GRO STD	20 May 2025 15:01	FB031790.D	8.796	
20 PPB GRO STD	20 PPB GRO STD	21 May 2025 9:04	FB031797.D	8.793	
VBF0521S2	VBF0521S2	21 May 2025 10:12	FB031799.D	8.794	
BSF0521S1	BSF0521S1	21 May 2025 10:40	FB031800.D	8.796	
TP-38	Q2074-05	21 May 2025 11:08	FB031801.D	8.795	
TP-40	Q2074-07	21 May 2025 11:35	FB031802.D	8.657	*
TP-18	Q2074-08	21 May 2025 12:12	FB031803.D	8.614	*
20 PPB GRO STD	20 PPB GRO STD	21 May 2025 13:23	FB031805.D	8.794	

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

QC Limits
(± 0.10 minutes)

Lower Limit
8.695

Upper Limits
8.895



QC SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VBF0520S1	SDG No.:	Q2074
Lab Sample ID:	VBF0520S1	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Gasoline Range Organics
GPC Factor :		Injection Volume :	
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031780.D	1	05/20/25 10:00	FB052025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	8.00	U	8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	19.8		50 - 150	99%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB052025\
Data File : FB031780.D
Signal(s) : FID2B.CH
Acq On : 20 May 2025 10:00
Operator : YP/AJ
Sample : VBF0520S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0520S1

Integration File: Calibration.e
Quant Time: May 20 23:33:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB051925.M
Quant Title :
QLast Update : Mon May 19 10:47:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
5) s AAA-TFT	8.795	427679	19.778 ng/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

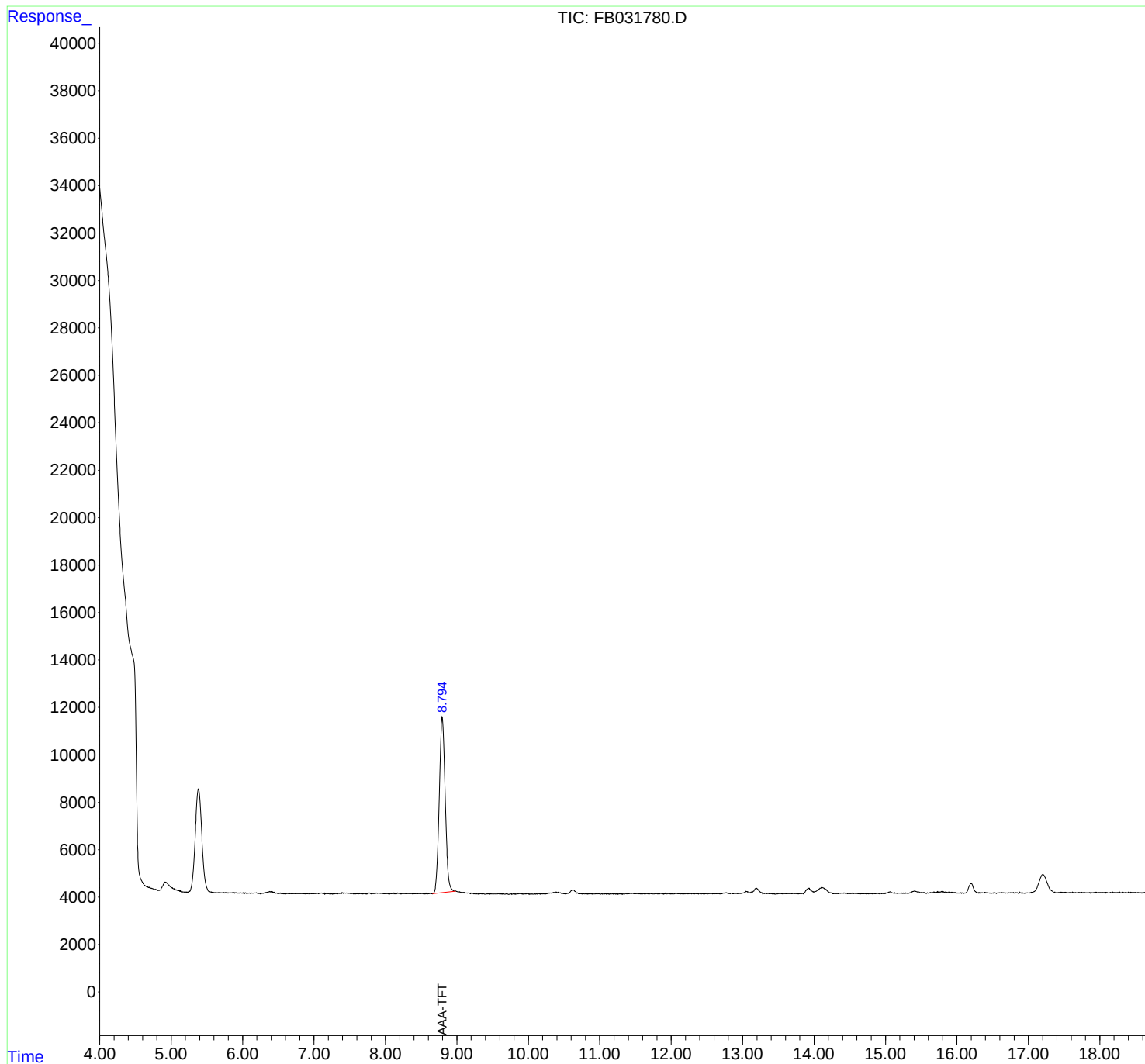
(m)=manual int.

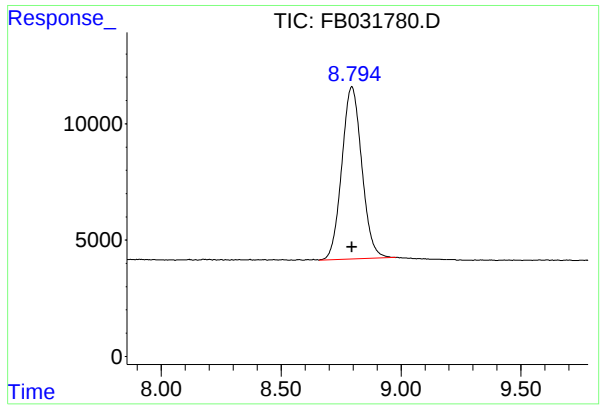
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB052025\
Data File : FB031780.D
Signal(s) : FID2B.CH
Acq On : 20 May 2025 10:00
Operator : YP/AJ
Sample : VBF0520S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0520S1

Integration File: Calibration.e
Quant Time: May 20 23:33:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB051925.M
Quant Title :
QLast Update : Mon May 19 10:47:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#5 AAA-TFT

R.T.: 8.795 min
Delta R.T.: 0.000 min
Response: 427679
Conc: 19.78 ng/ml

Instrument :
FID_B
ClientSampleId :
VBF0520S1

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB052025\
Data File : FB031780.D
Signal(s) : FID2B.CH
Acq On : 20 May 2025 10:00
Sample : VBF0520S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 2 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB051925.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	8.795	8.658	8.979	PV	7414	427679	100.00%	100.000%
Sum of corrected areas:						427679		

FB051925.M Wed May 21 00:16:43 2025

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VBF0521S2	SDG No.:	Q2074
Lab Sample ID:	VBF0521S2	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Gasoline Range Organics
GPC Factor :		Injection Volume :	
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031799.D	50	05/21/25 10:12	FB052125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	413	U	413	2250	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	17.7		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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB052125\
Data File : FB031799.D
Signal(s) : FID2B.CH
Acq On : 21 May 2025 10:12
Operator : YP/AJ
Sample : VBF0521S2 50X
Misc : 5.00G/5.00 ML MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0521S2

Integration File: Calibration.e
Quant Time: May 22 01:48:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB051925.M
Quant Title :
QLast Update : Mon May 19 10:47:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
5) s AAA-TFT	8.794	382935	17.709 ng/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

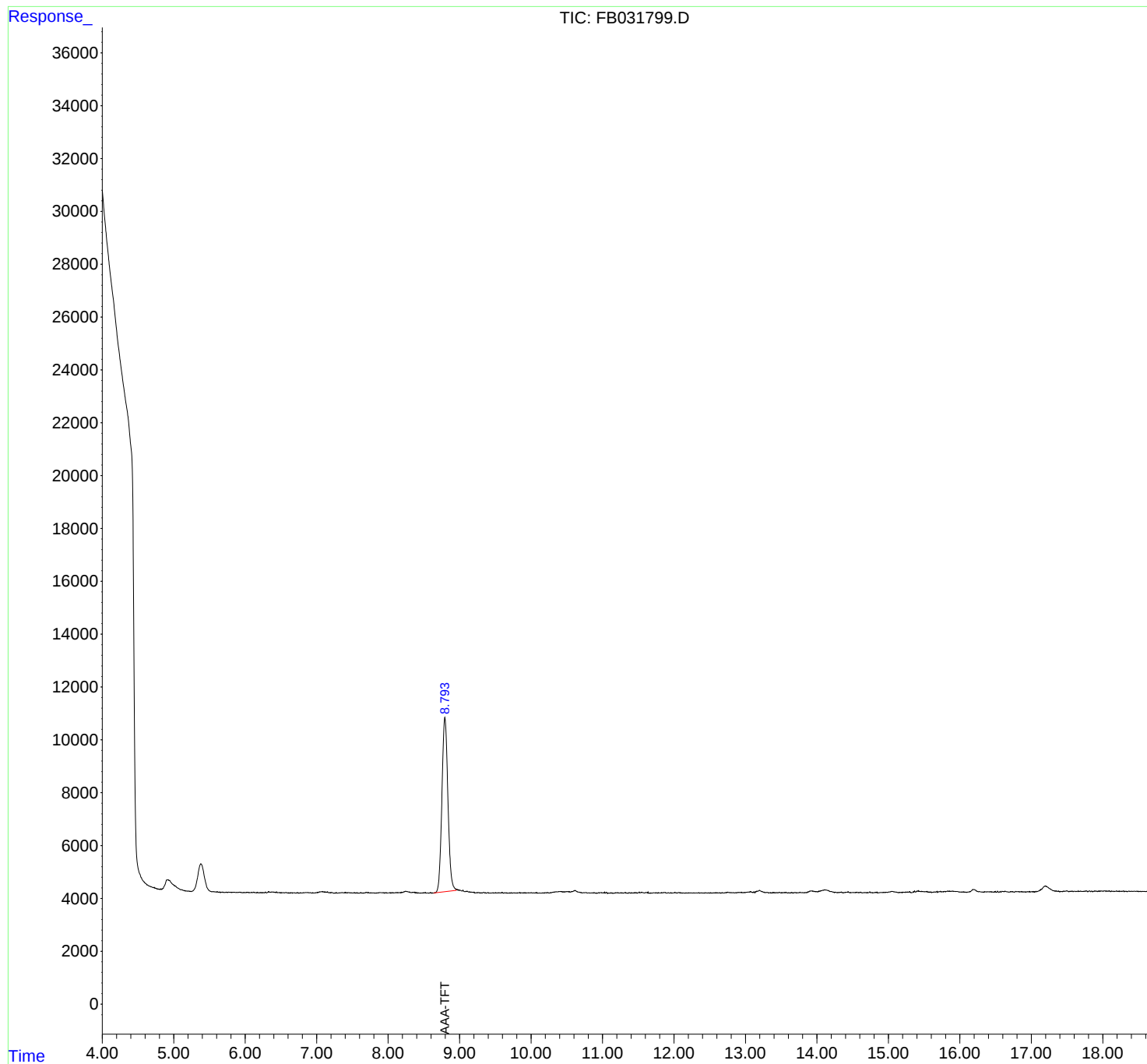
(m)=manual int.

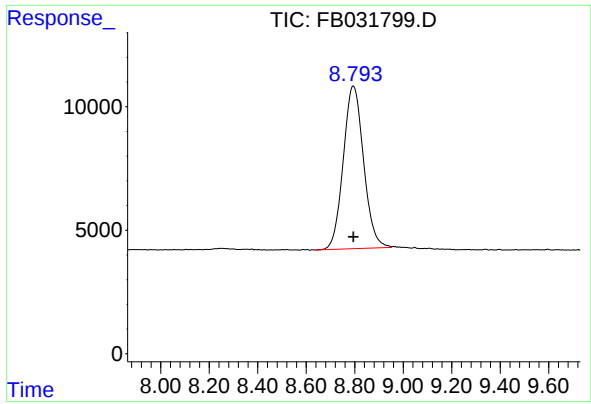
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB052125\
Data File : FB031799.D
Signal(s) : FID2B.CH
Acq On : 21 May 2025 10:12
Operator : YP/AJ
Sample : VBF0521S2 50X
Misc : 5.00G/5.00 ML MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0521S2

Integration File: Calibration.e
Quant Time: May 22 01:48:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB051925.M
Quant Title :
QLast Update : Mon May 19 10:47:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#5 AAA-TFT

R.T.: 8.794 min
Delta R.T.: -0.001 min
Response: 382935
Conc: 17.71 ng/ml

Instrument :
FID_B
ClientSampleId :
VBF0521S2

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB052125\
Data File : FB031799.D
Signal(s) : FID2B.CH
Acq On : 21 May 2025 10:12
Sample : VBF0521S2 50X
Misc : 5.00G/5.00 ML ME0H
ALS Vial : 3 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB051925.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	8.794	8.640	8.951	BV	6591	382935	100.00%	100.000%
Sum of corrected areas:						382935		

FB051925.M Thu May 22 02:47:23 2025

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	BSF0520S1	SDG No.:	Q2074
Lab Sample ID:	BSF0520S1	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Gasoline Range Organics
GPC Factor :		Injection Volume :	
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031782.D	1	05/20/25 10:55	FB052025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	161		8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	20.0		50 - 150	100%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB052025\
 Data File : FB031782.D
 Signal(s) : FID2B.CH
 Acq On : 20 May 2025 10:55
 Operator : YP/AJ
 Sample : BSF0520S1
 Misc : 5.00G/5.00 ML DI WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 FID_B
 ClientSampleId :
 BSF0520S1

Integration File: Calibration.e
 Quant Time: May 20 23:34:00 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB051925.M
 Quant Title :
 QLast Update : Mon May 19 10:47:15 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
5) s AAA-TFT	8.796	432126	19.984 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.727	899976	26.994 ng/ml
2) t 2,2,4-Trimethylpentane	7.427	1083044	27.099 ng/ml
3) t n-Heptane	7.758	329077	8.603 ng/ml
4) t Benzene	7.897	413479	8.818 ng/ml
6) t Toluene	10.625	1191254	26.980 ng/ml
7) t Ethylbenzene	13.062	348803	8.991 ng/ml
8) t m-Xylene	13.195	771641	17.897 ng/ml
9) t O-Xylene	13.923	718007	17.991 ng/ml
10) t 1,2,4-Trimethylbenzene	16.198	498431	17.469 ng/ml

(f)=RT Delta > 1/2 Window

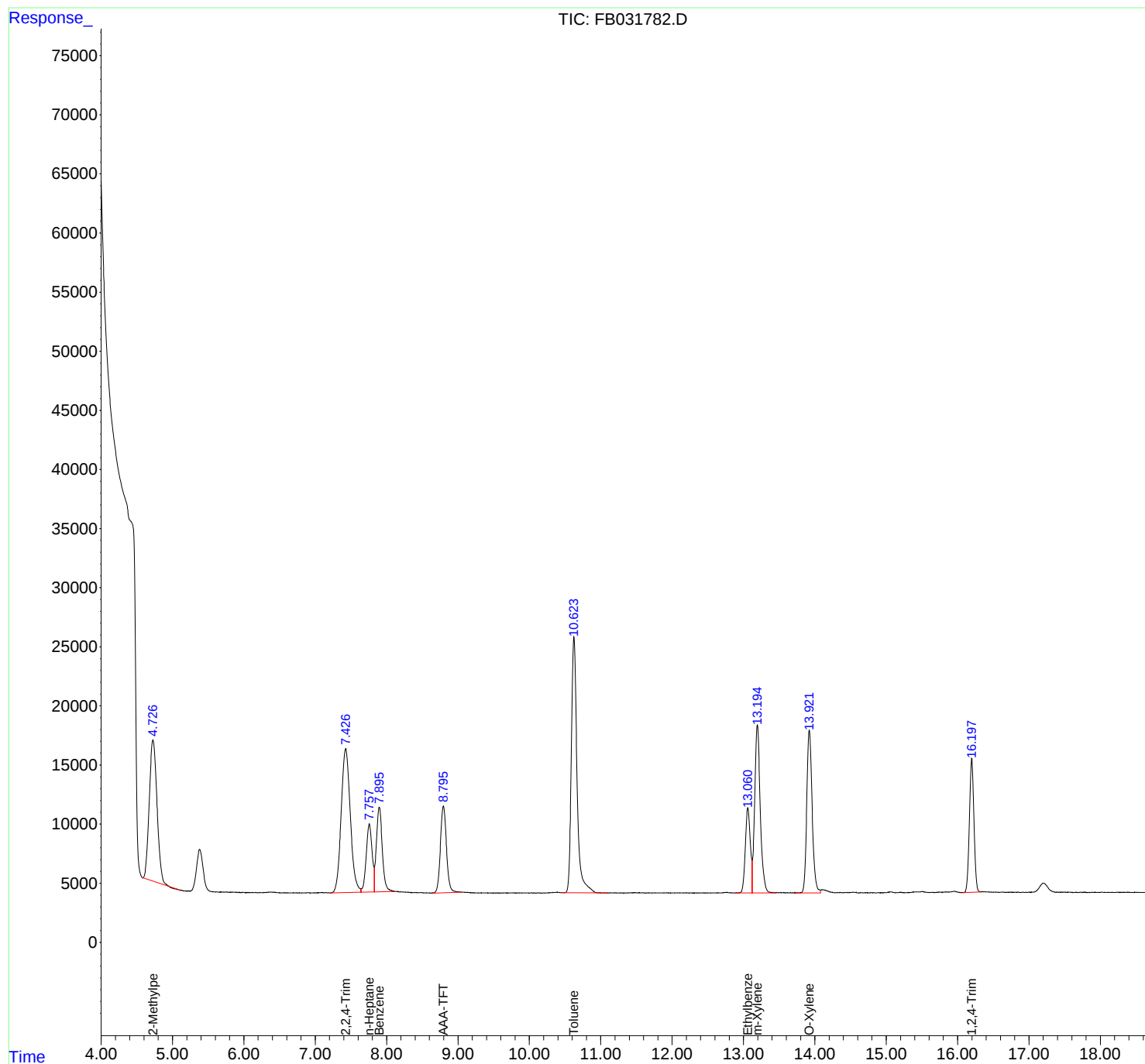
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB052025\
Data File : FB031782.D
Signal(s) : FID2B.CH
Acq On : 20 May 2025 10:55
Operator : YP/AJ
Sample : BSF0520S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0520S1

Integration File: Calibration.e
Quant Time: May 20 23:34:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB051925.M
Quant Title :
QLast Update : Mon May 19 10:47:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB052025\
Data File : FB031782.D
Signal(s) : FID2B.CH
Acq On : 20 May 2025 10:55
Sample : BSF0520S1
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\FB051925.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.727	4.576	5.113	BV	11952	899976	75.55%	13.461%
2	7.427	7.210	7.641	PV	12178	1083044	90.92%	16.199%
3	7.758	7.641	7.826	VV	5762	329077	27.62%	4.922%
4	7.897	7.826	8.128	VV	7173	413479	34.71%	6.184%
5	8.796	8.646	9.052	PV	7334	432126	36.27%	6.463%
6	10.625	10.449	11.097	BV	21624	1191254	100.00%	17.818%
7	13.062	12.865	13.121	BV	7200	348803	29.28%	5.217%
8	13.195	13.121	13.452	VV	14201	771641	64.78%	11.541%
9	13.923	13.705	14.078	BV	13751	718007	60.27%	10.739%
10	16.198	16.071	16.327	PV	11309	498431	41.84%	7.455%

Sum of corrected areas: 6685838

FB051925.M Wed May 21 00:17:42 2025

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	BSF0521S1	SDG No.:	Q2074
Lab Sample ID:	BSF0521S1	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Gasoline Range Organics
GPC Factor :		Injection Volume :	
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031800.D	1	05/21/25 10:40	FB052125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	149		8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	14.6		50 - 150	73%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB052125\
 Data File : FB031800.D
 Signal(s) : FID2B.CH
 Acq On : 21 May 2025 10:40
 Operator : YP/AJ
 Sample : BSF0521S1
 Misc : 5.00G/5.00 ML DI WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 FID_B
 ClientSampleId :
 BSF0521S1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/22/2025
 Supervised By :mohammad ahmed 05/26/2025

Integration File: Calibration.e
 Quant Time: May 22 01:48:16 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB051925.M
 Quant Title :
 QLast Update : Mon May 19 10:47:15 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
5) s AAA-TFT	8.796	315810	14.605 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.725	829785	24.889 ng/mlm
2) t 2,2,4-Trimethylpentane	7.425	1033102	25.849 ng/ml
3) t n-Heptane	7.758	310105	8.107 ng/ml
4) t Benzene	7.898	388625	8.288 ng/ml
6) t Toluene	10.624	1105052	25.028 ng/ml
7) t Ethylbenzene	13.061	318035	8.198 ng/ml
8) t m-Xylene	13.194	710442	16.478 ng/ml
9) t O-Xylene	13.923	672628	16.854 ng/ml
10) t 1,2,4-Trimethylbenzene	16.197	448249	15.710 ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB052125\
Data File : FB031800.D
Signal(s) : FID2B.CH
Acq On : 21 May 2025 10:40
Operator : YP/AJ
Sample : BSF0521S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

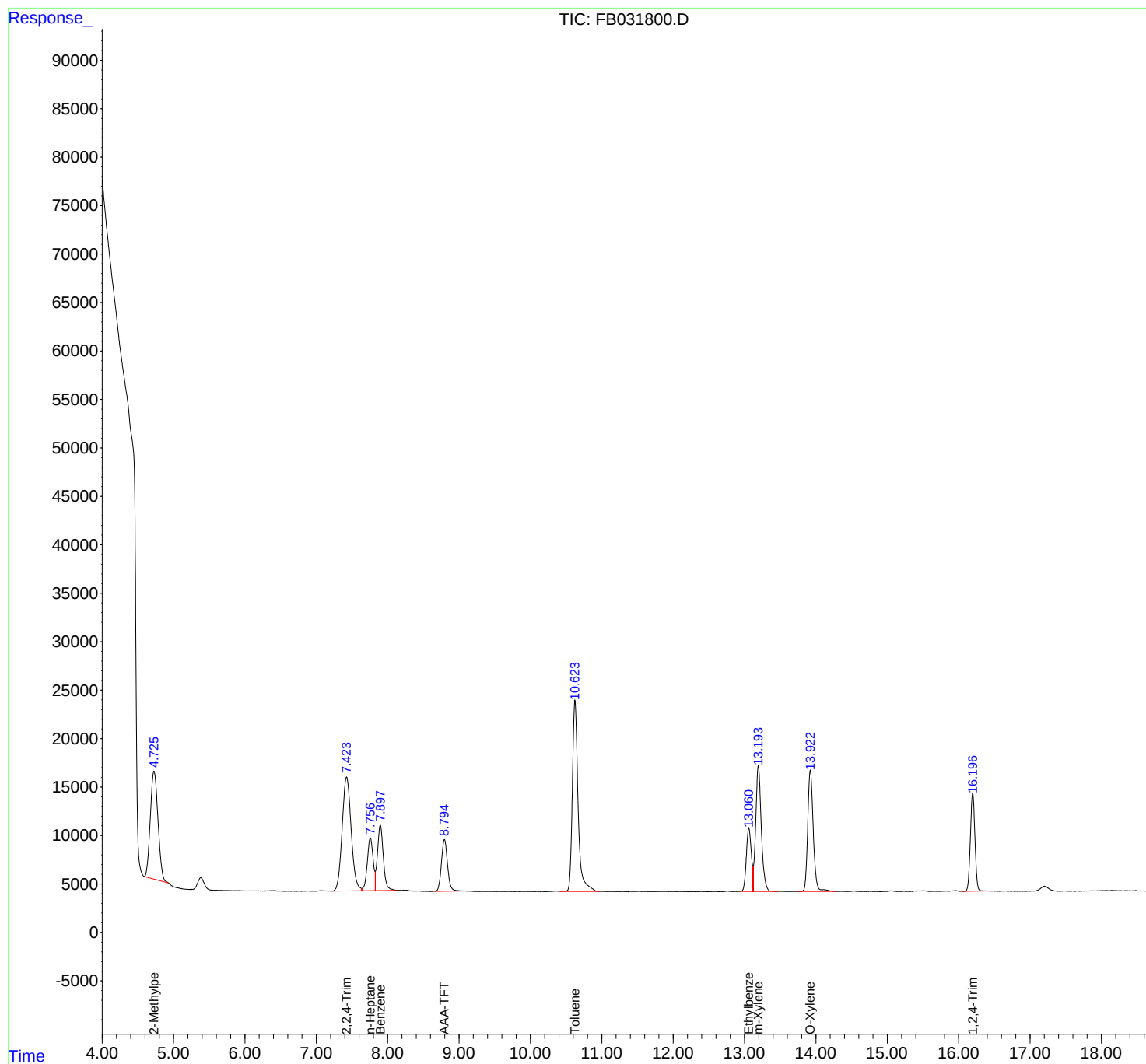
Instrument :
FID_B
ClientSampleId :
BSF0521S1

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/22/2025
Supervised By :mohammad ahmed 05/26/2025

Integration File: Calibration.e
Quant Time: May 22 01:48:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB051925.M
Quant Title :
QLast Update : Mon May 19 10:47:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Instrument :

FID_B

ClientSampleId :

BSF0521S1

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 05/22/2025

Supervised By :mohammad ahmed 05/26/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB05212
Data File : FB031800.D
Signal(s) : FID2B.CH
Acq On : 21 May 2025 10:40
Sample : BSF0521S1
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\FB051925.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.727	4.582	5.219	BV	11150	813215	73.59%	13.298%
2	7.425	7.217	7.638	PV	11766	1033102	93.49%	16.894%
3	7.758	7.638	7.826	VV	5448	310105	28.06%	5.071%
4	7.898	7.826	8.134	VV	6739	388625	35.17%	6.355%
5	8.796	8.661	9.052	PV	5346	315810	28.58%	5.164%
6	10.624	10.417	10.963	VV	19732	1105052	100.00%	18.070%
7	13.061	12.943	13.121	BV	6576	318035	28.78%	5.201%
8	13.194	13.121	13.469	VV	12975	710442	64.29%	11.618%
9	13.923	13.756	14.282	BV	12538	672628	60.87%	10.999%
10	16.197	16.046	16.401	BBA	10086	448249	40.56%	7.330%

Sum of corrected areas: 6115263

FB051925.M Thu May 22 02:47:39 2025

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	BSF0520S2	SDG No.:	Q2074
Lab Sample ID:	BSF0520S2	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Gasoline Range Organics
GPC Factor :		Injection Volume :	
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031789.D	1	05/20/25 14:33	FB052025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	177		8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	18.8		50 - 150	94%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB052025\
 Data File : FB031789.D
 Signal(s) : FID2B.CH
 Acq On : 20 May 2025 14:33
 Operator : YP/AJ
 Sample : BSF0520S2
 Misc : 5.00G/5.00 ML DI WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 FID_B
 ClientSampleId :
 BSF0520S2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/21/2025
 Supervised By :mohammad ahmed 05/22/2025

Integration File: Calibration.e
 Quant Time: May 20 23:35:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB051925.M
 Quant Title :
 QLast Update : Mon May 19 10:47:15 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
5) s AAA-TFT	8.796	405619	18.758 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.728	994589	29.832 ng/mlm
2) t 2,2,4-Trimethylpentane	7.429	1191514	29.813 ng/ml
3) t n-Heptane	7.758	364936	9.541 ng/ml
4) t Benzene	7.898	466319	9.945 ng/ml
6) t Toluene	10.625	1310917	29.690 ng/ml
7) t Ethylbenzene	13.061	380187	9.800 ng/ml
8) t m-Xylene	13.194	839782	19.477 ng/ml
9) t O-Xylene	13.923	783651	19.636 ng/ml
10) t 1,2,4-Trimethylbenzene	16.198	542557	19.016 ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB052025\
Data File : FB031789.D
Signal(s) : FID2B.CH
Acq On : 20 May 2025 14:33
Operator : YP/AJ
Sample : BSF0520S2
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 13 Sample Multiplier: 1

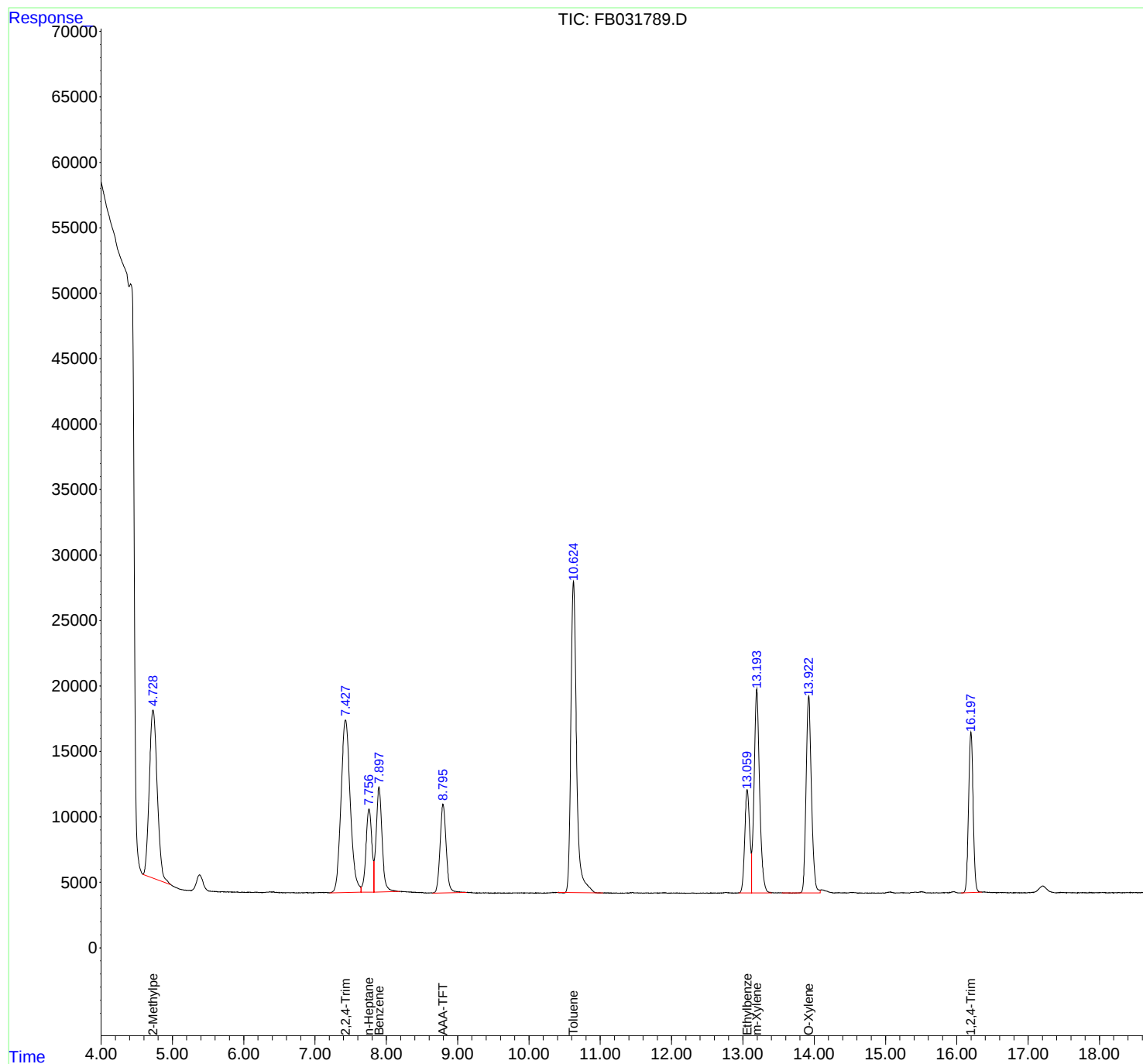
Instrument :
FID_B
ClientSampleId :
BSF0520S2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/21/2025
Supervised By :mohammad ahmed 05/22/2025

Integration File: Calibration.e
Quant Time: May 20 23:35:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB051925.M
Quant Title :
QLast Update : Mon May 19 10:47:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Instrument :

FID_B

ClientSampleId :

BSF0520S2

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 05/21/2025

Supervised By :mohammad ahmed 05/22/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB05202
Data File : FB031789.D
Signal(s) : FID2B.CH
Acq On : 20 May 2025 14:33
Sample : BSF0520S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 13 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB051925.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	4.576	5.200	BV	12812	979319	74.70%	13.480%
2	7.429	7.202	7.646	PV	13178	1191514	90.89%	16.401%
3	7.758	7.646	7.827	VV	6352	364936	27.84%	5.023%
4	7.898	7.827	8.192	VV	8013	466319	35.57%	6.419%
5	8.796	8.645	9.124	PV	6792	405619	30.94%	5.583%
6	10.625	10.399	11.042	BV	23786	1310917	100.00%	18.045%
7	13.061	12.943	13.121	VV	7890	380187	29.00%	5.233%
8	13.194	13.121	13.404	VV	15564	839782	64.06%	11.560%
9	13.923	13.544	14.084	BV	15039	783651	59.78%	10.787%
10	16.198	16.057	16.352	BV	12237	542557	41.39%	7.468%

Sum of corrected areas: 7264800

FB051925.M Wed May 21 00:18:16 2025

Manual Integration Report

Sample ID	ClientID ID	File ID	Sequence ID	Parameter	Supervised By	Supervised On	Reason
10 GRO STD		FB031774.D	FB051925	2-Methylpentane	mohammad	5/21/2025 5:31:15 AM	Peak Integrated by Software incorrectly
50 GRO STD		FB031776.D	FB051925	2-Methylpentane	mohammad	5/21/2025 5:31:15 AM	Peak Integrated by Software incorrectly
100 GRO STD		FB031777.D	FB051925	2-Methylpentane	mohammad	5/21/2025 5:31:15 AM	Peak Integrated by Software incorrectly
FB051925GROICV		FB031778.D	FB051925	2-Methylpentane	mohammad	5/21/2025 5:31:15 AM	Peak Integrated by Software incorrectly

Manual Integration Report

Sample ID	ClientID ID	File ID	Sequence ID	Parameter	Supervised By	Supervised On	Reason
20 PPB GRO STD		FB031779.D	FB052025	AAA-TFT	mohammad	5/22/2025 6:39:33 AM	Peak Integrated by Software incorrectly
BSF0520S2		FB031789.D	FB052025	2-Methylpentane	mohammad	5/22/2025 6:39:33 AM	Peak Integrated by Software incorrectly
20 PPB GRO STD		FB031790.D	FB052025	2-Methylpentane	mohammad	5/22/2025 6:39:33 AM	Peak Integrated by Software incorrectly
Q2074-07		FB031794.D	FB052025	AAA-TFT	mohammad	5/22/2025 6:39:33 AM	Peak Integrated by Software incorrectly

Manual Integration Report

Sample ID	ClientID ID	File ID	Sequence ID	Parameter	Supervised By	Supervised On	Reason
20 PPB GRO STD		FB031797.D	FB052125	2-Methylpentane	mohammad	5/26/2025 2:21:45 AM	Peak Integrated by Software incorrectly
BSF0521S1		FB031800.D	FB052125	2-Methylpentane	mohammad	5/26/2025 2:21:45 AM	Peak Integrated by Software incorrectly
BSF0521S2		FB031804.D	FB052125	2-Methylpentane	mohammad	5/26/2025 2:21:45 AM	Peak Integrated by Software incorrectly
BSF0521S3		FB031810.D	FB052125	2-Methylpentane	mohammad	5/26/2025 2:21:45 AM	Peak Integrated by Software incorrectly
20 PPB GRO STD		FB031811.D	FB052125	2-Methylpentane	mohammad	5/26/2025 2:21:45 AM	Peak Integrated by Software incorrectly

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QC Batch ID # FB051925

Review By	yogesh	Review On	5/19/2025 11:36:03 AM
Supervise By	mohammad	Supervise On	5/21/2025 5:31:15 AM
SubDirectory	FB051925	HP Acquire Method	HP Processing Method FB051925
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24110,PP24585,PP24586,PP24587,PP24588,PP24589		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24111,PP24590		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	5 GRO STD	FB031773.D	19 May 2025 9:07	YP/AJ	Ok
2	10 GRO STD	FB031774.D	19 May 2025 9:35	YP/AJ	Ok,M
3	20 GRO STD	FB031775.D	19 May 2025 10:03	YP/AJ	Ok
4	50 GRO STD	FB031776.D	19 May 2025 10:31	YP/AJ	Ok,M
5	100 GRO STD	FB031777.D	19 May 2025 10:58	YP/AJ	Ok,M
6	FB051925GROICV	FB031778.D	19 May 2025 11:41	YP/AJ	Ok,M

M : Manual Integration

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QC Batch ID # FB052025

Review By	yogesh	Review On	5/20/2025 12:45:48 PM
Supervise By	mohammad	Supervise On	5/22/2025 6:39:33 AM
SubDirectory	FB052025	HP Acquire Method	HP Processing Method FB051925
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24110,PP24585,PP24586,PP24587,PP24588,PP24589		
CCC Internal Standard/PEM	PP24592,PP24593,PP24594		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24111,PP24590		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	20 PPB GRO STD	FB031779.D	20 May 2025 9:17	YP/AJ	Ok,M
2	VBF0520S1	FB031780.D	20 May 2025 10:00	YP/AJ	Ok
3	VBF0520S2	FB031781.D	20 May 2025 10:28	YP/AJ	Ok
4	BSF0520S1	FB031782.D	20 May 2025 10:55	YP/AJ	Ok
5	Q2074-01	FB031783.D	20 May 2025 11:23	YP/AJ	Ok
6	Q2074-02	FB031784.D	20 May 2025 11:50	YP/AJ	Ok
7	Q2074-03	FB031785.D	20 May 2025 12:27	YP/AJ	Ok
8	Q2074-04	FB031786.D	20 May 2025 13:11	YP/AJ	Ok
9	Q2074-05	FB031787.D	20 May 2025 13:38	YP/AJ	Not Ok
10	Q2074-06	FB031788.D	20 May 2025 14:06	YP/AJ	Ok
11	BSF0520S2	FB031789.D	20 May 2025 14:33	YP/AJ	Ok,M
12	20 PPB GRO STD	FB031790.D	20 May 2025 15:01	YP/AJ	Ok,M
13	Q2074-07	FB031791.D	20 May 2025 15:56	YP/AJ	Not Ok
14	Q2074-08	FB031792.D	20 May 2025 16:31	YP/AJ	Not Ok
15	Q2074-05	FB031793.D	20 May 2025 16:59	YP/AJ	Not Ok
16	Q2074-07	FB031794.D	20 May 2025 17:27	YP/AJ	Not Ok
17	Q2074-08	FB031795.D	20 May 2025 17:54	YP/AJ	Not Ok
18	Q2074-05	FB031796.D	20 May 2025 18:22	YP/AJ	Not Ok

M : Manual Integration

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QC Batch ID # FB052125

Review By	yogesh	Review On	5/21/2025 2:47:29 PM
Supervise By	mohammad	Supervise On	5/26/2025 2:21:45 AM
SubDirectory	FB052125	HP Acquire Method	HP Processing Method FB051925
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24110,PP24585,PP24586,PP24587,PP24588,PP24589		
CCC Internal Standard/PEM	PP24598,PP24599,PP24600		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24111,PP24590		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	20 PPB GRO STD	FB031797.D	21 May 2025 9:04	YP/AJ	Ok,M
2	VBF0521S1	FB031798.D	21 May 2025 9:44	YP/AJ	Ok
3	VBF0521S2	FB031799.D	21 May 2025 10:12	YP/AJ	Ok
4	BSF0521S1	FB031800.D	21 May 2025 10:40	YP/AJ	Ok,M
5	Q2074-05	FB031801.D	21 May 2025 11:08	YP/AJ	Ok
6	Q2074-07	FB031802.D	21 May 2025 11:35	YP/AJ	Ok
7	Q2074-08	FB031803.D	21 May 2025 12:12	YP/AJ	Ok
8	BSF0521S2	FB031804.D	21 May 2025 12:39	YP/AJ	Ok,M
9	20 PPB GRO STD	FB031805.D	21 May 2025 13:23	YP/AJ	Ok
10	Q2100-01	FB031806.D	21 May 2025 14:34	YP/AJ	Ok
11	Q2100-02	FB031807.D	21 May 2025 15:01	YP/AJ	Ok
12	Q2100-03	FB031808.D	21 May 2025 15:29	YP/AJ	Ok
13	Q2100-04	FB031809.D	21 May 2025 15:57	YP/AJ	Ok
14	BSF0521S3	FB031810.D	21 May 2025 16:25	YP/AJ	Ok,M
15	20 PPB GRO STD	FB031811.D	21 May 2025 16:52	YP/AJ	Ok,M

M : Manual Integration

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QC Batch ID # FB051925

Review By	yogesh	Review On	5/19/2025 11:36:03 AM
Supervise By	mohammad	Supervise On	5/21/2025 5:31:15 AM
SubDirectory	FB051925	HP Acquire Method	HP Processing Method
			FB051925
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24110,PP24585,PP24586,PP24587,PP24588,PP24589		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24111,PP24590		

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	5 GRO STD		FB031773.D	19 May 2025 9:07		YP/AJ	Ok
2	10 GRO STD		FB031774.D	19 May 2025 9:35		YP/AJ	Ok,M
3	20 GRO STD		FB031775.D	19 May 2025 10:03		YP/AJ	Ok
4	50 GRO STD		FB031776.D	19 May 2025 10:31		YP/AJ	Ok,M
5	100 GRO STD		FB031777.D	19 May 2025 10:58		YP/AJ	Ok,M
6	FB051925GROICV		FB031778.D	19 May 2025 11:41		YP/AJ	Ok,M

M : Manual Integration

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QC Batch ID # FB052025

Review By	yogesh	Review On	5/20/2025 12:45:48 PM
Supervise By	mohammad	Supervise On	5/22/2025 6:39:33 AM
SubDirectory	FB052025	HP Acquire Method	HP Processing Method FB051925

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP24110,PP24585,PP24586,PP24587,PP24588,PP24589
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24592,PP24593,PP24594 PP24111,PP24590

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	20 PPB GRO STD		FB031779.D	20 May 2025 9:17		YP/AJ	Ok,M
2	VBF0520S1		FB031780.D	20 May 2025 10:00		YP/AJ	Ok
3	VBF0520S2		FB031781.D	20 May 2025 10:28		YP/AJ	Ok
4	BSF0520S1		FB031782.D	20 May 2025 10:55		YP/AJ	Ok
5	Q2074-01		FB031783.D	20 May 2025 11:23	Vial-A	YP/AJ	Ok
6	Q2074-02		FB031784.D	20 May 2025 11:50	Vial-A	YP/AJ	Ok
7	Q2074-03		FB031785.D	20 May 2025 12:27	Vial-A	YP/AJ	Ok
8	Q2074-04		FB031786.D	20 May 2025 13:11	Vial-A	YP/AJ	Ok
9	Q2074-05		FB031787.D	20 May 2025 13:38	Vial-A, Not purged	YP/AJ	Not Ok
10	Q2074-06		FB031788.D	20 May 2025 14:06	Vial-A	YP/AJ	Ok
11	BSF0520S2		FB031789.D	20 May 2025 14:33		YP/AJ	Ok,M
12	20 PPB GRO STD		FB031790.D	20 May 2025 15:01		YP/AJ	Ok,M
13	Q2074-07		FB031791.D	20 May 2025 15:56	Vial-A End CCC Missing, Instrument Stopped	YP/AJ	Not Ok
14	Q2074-08		FB031792.D	20 May 2025 16:31	Vial-A End CCC Missing, Instrument Stopped	YP/AJ	Not Ok
15	Q2074-05		FB031793.D	20 May 2025 16:59	Vial-B End CCC Missing, Instrument Stopped	YP/AJ	Not Ok
16	Q2074-07		FB031794.D	20 May 2025 17:27	Vial-B End CCC Missing, Instrument Stopped	YP/AJ	Not Ok
17	Q2074-08		FB031795.D	20 May 2025 17:54	Vial-B End CCC Missing, Instrument Stopped	YP/AJ	Not Ok

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QC Batch ID # FB052025

Review By	yogesh	Review On	5/20/2025 12:45:48 PM		
Supervise By	mohammad	Supervise On	5/22/2025 6:39:33 AM		
SubDirectory	FB052025	HP Acquire Method	HP Processing Method	FB051925	

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP24110,PP24585,PP24586,PP24587,PP24588,PP24589
CCC Internal Standard/PEM	PP24592,PP24593,PP24594
ICV/I.BLK Surrogate Standard	PP24111,PP24590
MS/MSD Standard	
LCS Standard	

18	Q2074-05		FB031796.D	20 May 2025 18:22	Vial-C End CCC Missing, Instrument Stopped	YP/AJ	Not Ok
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M : Manual Integration

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QC Batch ID # FB052125

Review By	yogesh	Review On	5/21/2025 2:47:29 PM
Supervise By	mohammad	Supervise On	5/26/2025 2:21:45 AM
SubDirectory	FB052125	HP Acquire Method	HP Processing Method
			FB051925
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24110,PP24585,PP24586,PP24587,PP24588,PP24589		
CCC Internal Standard/PEM	PP24598,PP24599,PP24600		
ICV/I.BLK Surrogate Standard	PP24111,PP24590		
MS/MSD Standard LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	20 PPB GRO STD		FB031797.D	21 May 2025 9:04		YP/AJ	Ok,M
2	VBF0521S1		FB031798.D	21 May 2025 9:44		YP/AJ	Ok
3	VBF0521S2		FB031799.D	21 May 2025 10:12		YP/AJ	Ok
4	BSF0521S1		FB031800.D	21 May 2025 10:40		YP/AJ	Ok,M
5	Q2074-05		FB031801.D	21 May 2025 11:08	Vial-C	YP/AJ	Ok
6	Q2074-07		FB031802.D	21 May 2025 11:35	Vial-C	YP/AJ	Ok
7	Q2074-08		FB031803.D	21 May 2025 12:12	Vial-C	YP/AJ	Ok
8	BSF0521S2		FB031804.D	21 May 2025 12:39		YP/AJ	Ok,M
9	20 PPB GRO STD		FB031805.D	21 May 2025 13:23		YP/AJ	Ok
10	Q2100-01		FB031806.D	21 May 2025 14:34	Vial-A	YP/AJ	Ok
11	Q2100-02		FB031807.D	21 May 2025 15:01	Vial-A	YP/AJ	Ok
12	Q2100-03		FB031808.D	21 May 2025 15:29	Vial-A	YP/AJ	Ok
13	Q2100-04		FB031809.D	21 May 2025 15:57	Vial-A	YP/AJ	Ok
14	BSF0521S3		FB031810.D	21 May 2025 16:25		YP/AJ	Ok,M
15	20 PPB GRO STD		FB031811.D	21 May 2025 16:52		YP/AJ	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 5/20/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:10
In Date: 05/19/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:22
Out Date: 05/20/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135825

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
Q1984-19	OU4-TB01-050725	1	1.00	1.00	2.00	2.00	100.0	T.B.
Q2074-01	TP-12	2	1.18	10.28	11.46	9.76	83.5	
Q2074-02	TP-7	3	1.18	10.15	11.33	10.18	88.7	
Q2074-03	TP-15	4	1.13	10.33	11.46	10.12	87.0	
Q2074-04	TP-20	5	1.12	10.65	11.77	10.1	84.3	
Q2074-05	TP-38	6	1.18	10.19	11.37	9.53	81.9	
Q2074-06	TP-19	7	1.16	10.12	11.28	9.85	85.9	
Q2074-07	TP-40	8	1.14	9.89	11.03	9.96	89.2	
Q2074-08	TP-18	9	1.15	10.16	11.31	9.07	78.0	
Q2075-01	SS-10	10	1.16	10.56	11.72	9.59	79.8	
Q2075-02	SS-910	11	1.17	10.05	11.22	9.34	81.3	
Q2075-03	SS-11	12	1.18	10.51	11.69	10.37	87.4	
Q2075-04	Q2075-03MS	13	1.18	10.51	11.69	10.37	87.4	
Q2075-05	Q2075-03MSD	14	1.18	10.51	11.69	10.37	87.4	
Q2075-06	SS-MW1-11.5	15	1.14	10.00	11.14	10.24	91.0	
Q2076-01	OILY-DEBRIS	16	1.00	1.00	2.00	2.00	100.0	oily-debris
Q2080-01	PL-HRH-COMP-01	17	1.13	10.62	11.75	10.32	86.5	
Q2080-02	PL-HRH-VOC-01	18	1.17	10.22	11.39	9.6	82.5	
Q2080-03	PL-HRH-01	19	1.12	10.77	11.89	10.16	83.9	
Q2080-04	PL-HRH-02	20	1.16	10.40	11.56	9.82	83.3	
Q2080-05	PL-HRH-03	21	1.15	10.00	11.15	9.43	82.8	
Q2080-07	PL-HRH-COMP-02	22	1.19	10.46	11.65	9.62	80.6	
Q2080-08	PL-HRH-VOC-02	23	1.14	10.76	11.9	9.8	80.5	
Q2080-09	PL-HRH-04	24	1.16	10.70	11.86	9.55	78.4	
Q2080-10	PL-HRH-05	25	1.19	10.43	11.62	9.52	79.9	
Q2080-11	PL-HRH-06	26	1.13	10.74	11.87	10.2	84.5	
Q2081-01	CAULK	27	1.00	1.00	2.00	2.00	100.0	caluk

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

WORKLIST(Hardcopy Internal Chain)

W 135825

WorkList Name : %1-051925 WorkList ID : 189586 Department : Wet-Chemistry Date : 05-19-2025 08:23:15

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1984-19	OU4-TB01-050725	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	05/07/2025	Chemtech -SO
Q2074-01	TP-12	Solid	Percent Solids	Cool 4 deg C	CAMP02	L31	05/16/2025	Chemtech -SO
Q2074-02	TP-7	Solid	Percent Solids	Cool 4 deg C	CAMP02	L31	05/16/2025	Chemtech -SO
Q2074-03	TP-15	Solid	Percent Solids	Cool 4 deg C	CAMP02	L31	05/16/2025	Chemtech -SO
Q2074-04	TP-20	Solid	Percent Solids	Cool 4 deg C	CAMP02	L31	05/16/2025	Chemtech -SO
Q2074-05	TP-38	Solid	Percent Solids	Cool 4 deg C	CAMP02	L31	05/16/2025	Chemtech -SO
Q2074-06	TP-19	Solid	Percent Solids	Cool 4 deg C	CAMP02	L31	05/16/2025	Chemtech -SO
Q2074-07	TP-40	Solid	Percent Solids	Cool 4 deg C	CAMP02	L31	05/16/2025	Chemtech -SO
Q2074-08	TP-18	Solid	Percent Solids	Cool 4 deg C	CAMP02	L31	05/16/2025	Chemtech -SO
Q2075-01	SS-10	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/15/2025	Chemtech -SO
Q2075-02	SS-910	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/15/2025	Chemtech -SO
Q2075-03	SS-11	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/15/2025	Chemtech -SO
Q2075-04	Q2075-03MS	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/15/2025	Chemtech -SO
Q2075-05	Q2075-03MSD	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/15/2025	Chemtech -SO
Q2075-06	SS-MW1-11.5	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/15/2025	Chemtech -SO
Q2076-01	OILY-DEBRIS	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/19/2025	Chemtech -SO
Q2080-01	PL-HRH-COMP-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/19/2025	Chemtech -SO
Q2080-02	PL-HRH-VOC-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/19/2025	Chemtech -SO
Q2080-03	PL-HRH-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/19/2025	Chemtech -SO
Q2080-04	PL-HRH-02	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/19/2025	Chemtech -SO
Q2080-05	PL-HRH-03	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/19/2025	Chemtech -SO

Date/Time 05-19-25 15:35
 Raw Sample Received by: W 135825
 Raw Sample Relinquished by: W 135825

WORKLIST(Hardcopy Internal Chain)

135825

WorkList Name : %1-051925 WorkList ID : 189586 Department : Wet-Chemistry Date : 05-19-2025 08:23:15

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2080-07	PL-HRH-COMP-02	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/19/2025	Chemtech -SO
Q2080-08	PL-HRH-VOC-02	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/19/2025	Chemtech -SO
Q2080-09	PL-HRH-04	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/19/2025	Chemtech -SO
Q2080-10	PL-HRH-05	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/19/2025	Chemtech -SO
Q2080-11	PL-HRH-06	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/19/2025	Chemtech -SO
Q2081-01	CAULK	Solid	Percent Solids	Cool 4 deg C	ATCE02	L31	05/19/2025	Chemtech -SO

151235

Date/Time 05-19-25
 Raw Sample Received by: SP
 Raw Sample Relinquished by: SP

Date/Time 05-19-25
 Raw Sample Received by: CP
 Raw Sample Relinquished by: SP



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: CDM SMITH
ADDRESS: 110 FIELDCREST AVE #8 6TH FLOOR
CITY EDISON STATE: NJ ZIP: 08837
ATTENTION: MARCIE ENCINAS
PHONE: 7325904679 FAX: 7322257851

CLIENT PROJECT INFORMATION

PROJECT NAME: SOUTH RIVER WM REPLACEMENT
PROJECT NO.: _____ LOCATION: SOUTH RIVER, NJ
PROJECT MANAGER: MARCIE ENCINAS
e-mail: ENCINASMA@CDMSMITH.COM
PHONE: 7325904679 FAX: 7322257851

CLIENT BILLING INFORMATION

BILL TO: CDM SMITH PO#: _____
ADDRESS: 110 FIELDCREST AVE #8 6TH FLOOR
CITY EDISON STATE: NJ ZIP: 08837
ATTENTION: MARCIE ENCINAS PHONE: 7325904679

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☒ Level 2 (Results + QC) ☒ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other _____
☐ EDD FORMAT _____

TCL VOC
TCL SVOC
TAL METALS
PCB
PESTICIDES
HERBICIDES
DRO/GRO

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	TP-12	SOIL		X	5/15/25	0800	6	X	X	X	X	X	X	X			E
2.	TP-7	SOIL		X	5/15/25	0920	6	X	X	X	X	X	X	X			E
3.	TP-15	SOIL		X	5/15/25	1035	6	X	X	X	X	X	X	X			E
4.	TP-20	SOIL		X	5/15/25	1115	6	X	X	X	X	X	X	X			E
5.	TP-38	SOIL		X	5/15/25	1200	6	X	X	X	X	X	X	X			E
6.	TP-19	SOIL		X	5/15/25	1415	6	X	X	X	X	X	X	X			E
7.	TP-40	SOIL		X	5/15/25	1450	6	X	X	X	X	X	X	X			E
8.	TP-18	SOIL		X	5/16/25	1010	6	X	X	X	X	X	X	X			E
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP _____ °C
1. <u>[Signature]</u>	<u>5/16/25 1500</u>	1. <u>[Signature]</u>	Comments: _____
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
2. <u>[Signature]</u>		2. <u>[Signature]</u>	
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
3. <u>[Signature]</u>	<u>5.16.25</u>	3. <u>[Signature]</u>	

Page _____ of _____

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete

☐ YES ☐ NO

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2074	CAMP02	Order Date : 5/16/2025 3:13:00 PM	Project Mgr :
Client Name : CDM Smith		Project Name : South River WM Replacem	Report Type : Level 1 NJ Reduced/
Client Contact : Marcie Ann Encinas		Receive DateTime : 5/16/2025 12:00:00 AM	EDD Type : EXCEL NOCLEANUP
Invoice Name : CDM Smith		Purchase Order : 17:39	Hard Copy Date :
Invoice Contact : Marcie Ann Encinas			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2074-01	TP-12	Solid	05/16/2025	08:00					
			05/15/2025		VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2074-02	TP-7	Solid	05/16/2025	09:20					
			05/15/2025		VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2074-03	TP-15	Solid	05/16/2025	10:35					
			05/15/2025		VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2074-04	TP-20	Solid	05/16/2025	11:15					
			05/15/2025		VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2074-05	TP-38	Solid	05/16/2025	12:00					
			05/15/2025		VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2074-06	TP-19	Solid	05/16/2025	14:15					
			05/15/2025		VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2074-07	TP-40	Solid	05/16/2025	14:50					
			05/15/2025		VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2074-08	TP-18	Solid	05/16/2025	10:10					

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2074	CAMP02	Order Date : 5/16/2025 3:13:00 PM	Project Mgr :
Client Name : CDM Smith		Project Name : South River WM Replacem	Report Type : Level 1 NJ Reduced/
Client Contact : Marcie Ann Encinas		Receive DateTime : 5/16/2025 12:00:00 AM	EDD Type : EXCEL NOCLEANUP
Invoice Name : CDM Smith		Purchase Order : 1739	Hard Copy Date :
Invoice Contact : Marcie Ann Encinas			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
					VOC-TCLVOA-10		8260D	10 Bus. Days	

Relinquished By :

Date / Time :

Received By :

Date / Time :

Storage Area : VOA Refridgerator Room