

Cover Page

Order ID : Q2150

Project ID : South River WM Replacement

Client : CDM Smith

Lab Sample Number

Q2150-01
Q2150-02
Q2150-03
Q2150-04
Q2150-05
Q2150-06
Q2150-07
Q2150-08
Q2150-09
Q2150-10

Client Sample Number

TP-44
TP-42
TP-39
TP-48
TP-47
TP-50
TP-51
TP-52
TP-54
TP-53

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: 6/5/2025

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 #: Q2150

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: PRATIK PATEL

Date: 06/05/2025

LAB CHRONICLE

OrderID:	Q2150	OrderDate:	5/28/2025 3:53:00 PM
Client:	CDM Smith	Project:	South River WM Replacement
Contact:	Marcie Ann Encinas	Location:	L41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2150-01	TP-44	SOIL			05/27/25			05/28/25
			Gasoline Range Organics	8015D			06/02/25	
			PCB	8082A		05/30/25	05/30/25	
			Pesticide-TCL	8081B		05/30/25	05/30/25	
Q2150-02	TP-42	SOIL			05/27/25			05/28/25
			Gasoline Range Organics	8015D			06/02/25	
			PCB	8082A		05/30/25	05/30/25	
			Pesticide-TCL	8081B		05/30/25	05/30/25	
Q2150-03	TP-39	SOIL			05/27/25			05/28/25
			Gasoline Range Organics	8015D			06/02/25	
			PCB	8082A		05/30/25	05/30/25	
			Pesticide-TCL	8081B		05/30/25	05/30/25	
Q2150-04	TP-48	SOIL			05/27/25			05/28/25
			Gasoline Range Organics	8015D			06/03/25	
			PCB	8082A		05/30/25	05/30/25	
			Pesticide-TCL	8081B		05/30/25	05/30/25	
Q2150-05	TP-47	SOIL			05/27/25			05/28/25
			Gasoline Range Organics	8015D			06/02/25	
			PCB	8082A		05/30/25	05/30/25	
			Pesticide-TCL	8081B		05/30/25	05/30/25	
Q2150-06	TP-50	SOIL			05/27/25			05/28/25
			Gasoline Range Organics	8015D			06/02/25	
			PCB	8082A		05/30/25	05/30/25	
			Pesticide-TCL	8081B		05/30/25	05/30/25	
Q2150-07	TP-51	SOIL			05/27/25			05/28/25
			Gasoline Range Organics	8015D			06/02/25	

LAB CHRONICLE

			PCB	8082A	05/30/25	05/30/25	
			Pesticide-TCL	8081B	05/30/25	05/30/25	
Q2150-08	TP-52	SOIL			05/28/25		05/28/25
			Gasoline Range Organics	8015D		06/02/25	
			PCB	8082A	05/30/25	05/30/25	
			Pesticide-TCL	8081B	05/30/25	05/30/25	
Q2150-09	TP-54	SOIL			05/28/25		05/28/25
			Gasoline Range Organics	8015D		06/03/25	
			PCB	8082A	05/30/25	05/30/25	
			Pesticide-TCL	8081B	05/30/25	05/30/25	
Q2150-10	TP-53	SOIL			05/28/25		05/28/25
			Gasoline Range Organics	8015D		06/03/25	
			PCB	8082A	05/30/25	05/30/25	
			Pesticide-TCL	8081B	05/30/25	05/30/25	



QC SUMMARY

SOIL GASOLINE RANGE ORGANICS SURROGATE RECOVERY

Lab Name: Chemtech Client: CDM Smith
Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG No.: Q2150

EPA SAMPLE NO.	S1 AAA-TFT	S2	S3	S4	TOT OUT
VPF0602S1	93				0
BSF0602S1	139				0
TP-44	99				0
TP-39	104				0
TP-47	120				0
BSF0602S2	101				0
TP-50	97				0
TP-51	91				0
TP-52	103				0
TP-42	73				0
VPF0603S1	100				0
VPF0603S2	89				0
BSF0603S1	101				0
TP-54	120				0
TP-48	119				0
TP-53	96				0
BSF0603S2	98				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:** Q2150 **SAS No :** Q2150 **SDG No:** Q2150
Matrix Spike - EPA Sample No : BSF0602S1 **Datafile:** FB031839.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS
GRO	180	0	221	123	50-150

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

Lab Name: Chemtech **Client:** CDM Smith
Lab Code: CHEM **Cas No:** Q2150 **SAS No :** Q2150 **SDG No:** Q2150
Matrix Spike - EPA Sample No : BSF0602S2 **Datafile:** FB031845.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS
GRO	180	0	238	132	50-150

LCS/LCSD % Recovery RPD : 7.4

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

Lab Name: Chemtech **Client:** CDM Smith
Lab Code: CHEM **Cas No:** Q2150 **SAS No :** Q2150 **SDG No:** Q2150
Matrix Spike - EPA Sample No : BSF0603S1 **Datafile:** FB031859.D

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

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

Lab Name: Chemtech **Client:** CDM Smith
Lab Code: CHEM **Cas No:** Q2150 **SAS No :** Q2150 **SDG No:** Q2150
Matrix Spike - EPA Sample No : BSF0603S2 **Datafile:** FB031865.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS
GRO	180	0	163	91	50-150

LCS/LCSD % Recovery RPD : 6.5

METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBF0602S1

Lab Name: CHEMTECH

Contract: CAMP02

Lab Code: CHEM Case No.: Q2150

SAS No.: Q2150 SDG NO.: Q2150

Lab File ID: FB031837.D

Lab Sample ID: VBF0602S1

Date Analyzed: 06/02/25

Time Analyzed: 12:52

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

Heated Purge: (Y/N) Y

Instrument ID: FB

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSF0602S1	BSF0602S1	FB031839.D	06/02/25
TP-44	Q2150-01	FB031840.D	06/02/25
TP-39	Q2150-03	FB031842.D	06/02/25
TP-47	Q2150-05	FB031844.D	06/02/25
BSF0602S2	BSF0602S2	FB031845.D	06/02/25
TP-50	Q2150-06	FB031847.D	06/02/25
TP-51	Q2150-07	FB031848.D	06/02/25
TP-52	Q2150-08	FB031849.D	06/02/25
TP-42	Q2150-02	FB031852.D	06/02/25

COMMENTS: _____

METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBF0603S2

Lab Name: CHEMTECH

Contract: CAMP02

Lab Code: CHEM Case No.: Q2150

SAS No.: Q2150 SDG NO.: Q2150

Lab File ID: FB031858.D

Lab Sample ID: VBF0603S2

Date Analyzed: 06/03/25

Time Analyzed: 10:23

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-48	Q2150-04	FB031862.D	06/03/25
TP-53	Q2150-10	FB031863.D	06/03/25

COMMENTS: _____

METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBF0603S1

Lab Name: CHEMTECH

Contract: CAMP02

Lab Code: CHEM Case No.: Q2150

SAS No.: Q2150 SDG NO.: Q2150

Lab File ID: FB031857.D

Lab Sample ID: VBF0603S1

Date Analyzed: 06/03/25

Time Analyzed: 9:55

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
BSF0603S1	BSF0603S1	FB031859.D	06/03/25
TP-54	Q2150-09	FB031860.D	06/03/25
BSF0603S2	BSF0603S2	FB031865.D	06/03/25

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-44	SDG No.:	Q2150
Lab Sample ID:	Q2150-01	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	78.9
Sample Wt/Vol:	6.5	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
FB031840.D	1	06/02/25 14:15	FB060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	13.0	J	8.00	44.0	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\FB060225\
Data File : FB031840.D
Signal(s) : FID2B.CH
Acq On : 2 Jun 2025 14:15
Operator : YP/AJ
Sample : Q2150-01
Misc : 6.50G/5.00 ML DI WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-44

Integration File: Calibration.e
Quant Time: Jun 03 05:27:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
5) s AAA-TFT	8.790	241444	19.786 ng/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

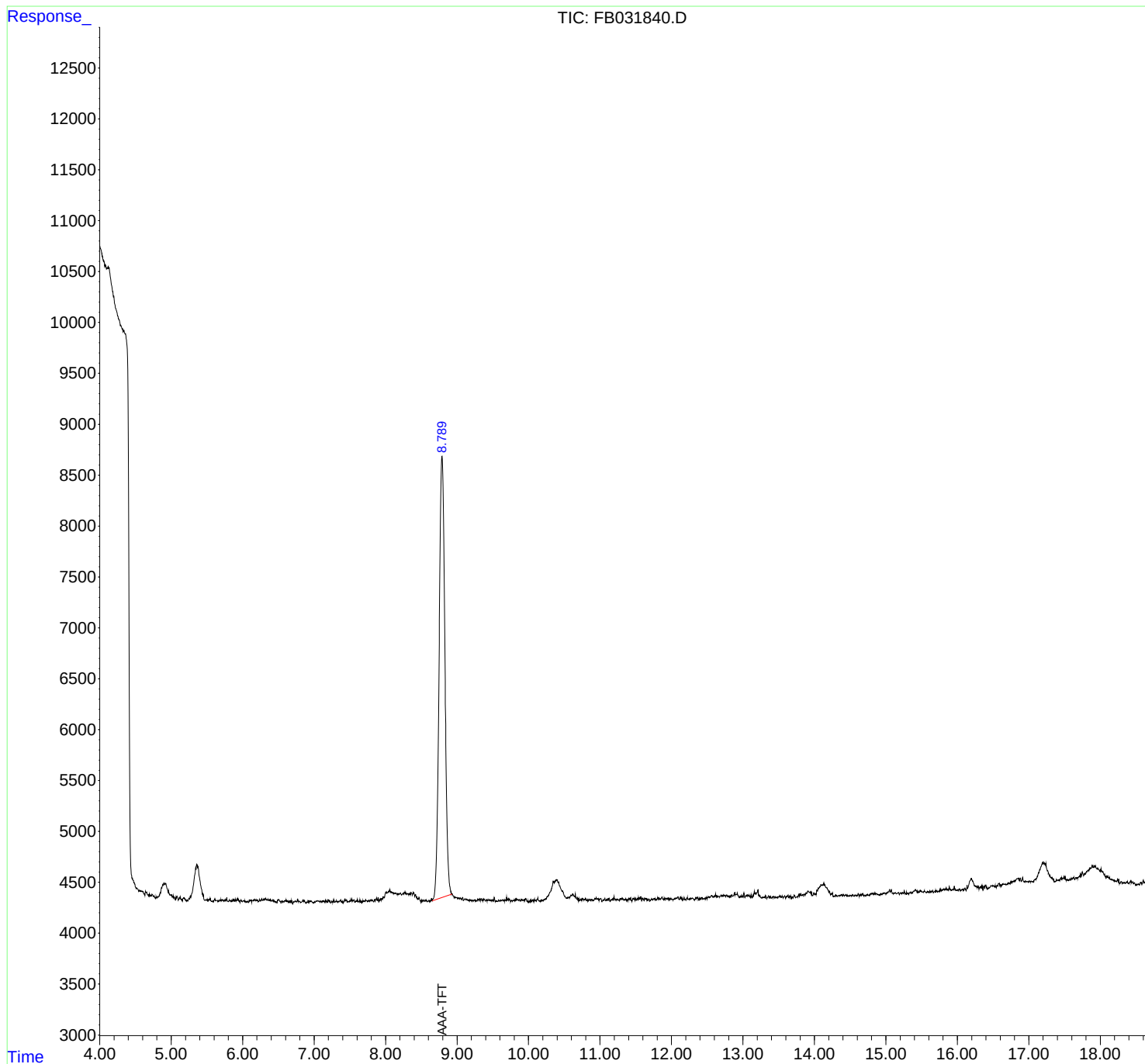
(m)=manual int.

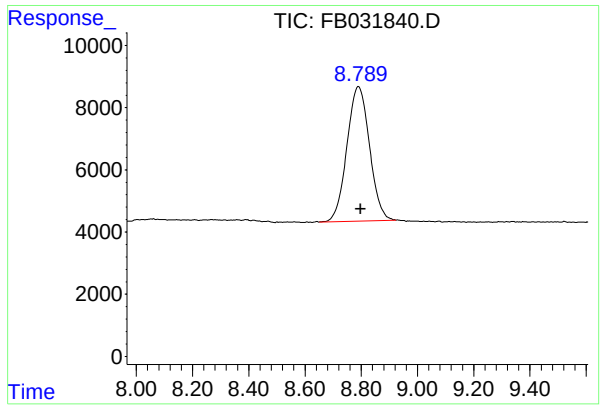
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060225\
Data File : FB031840.D
Signal(s) : FID2B.CH
Acq On : 2 Jun 2025 14:15
Operator : YP/AJ
Sample : Q2150-01
Misc : 6.50G/5.00 ML DI WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-44

Integration File: Calibration.e
Quant Time: Jun 03 05:27:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 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.: 8.790 min
Delta R.T.: -0.007 min
Response: 241444
Conc: 19.79 ng/ml

Instrument :
FID_B
ClientSampleId :
TP-44

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060225\
 Data File : FB031840.D
 Signal(s) : FID2B.CH
 Acq On : 2 Jun 2025 14:15
 Sample : Q2150-01
 Misc : 6.50G/5.00 ML DI WATER
 ALS Vial : 5 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
 Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.644	4.601	4.651	BV	19	40	0.02%	0.009%
2	4.657	4.651	4.723	VV	20	108	0.04%	0.023%
3	4.735	4.723	4.783	VV	23	356	0.14%	0.077%
4	5.009	5.005	5.027	VV	55	517	0.21%	0.111%
5	5.034	5.027	5.060	VV	40	528	0.21%	0.114%
6	5.081	5.060	5.105	VV	43	670	0.27%	0.144%
7	5.130	5.105	5.157	VV	38	642	0.25%	0.138%
8	5.174	5.157	5.216	PV	30	683	0.27%	0.147%
9	5.251	5.216	5.258	VV	31	389	0.15%	0.084%
10	5.268	5.258	5.274	VV	52	375	0.15%	0.081%
11	5.485	5.471	5.496	VV	20	246	0.10%	0.053%
12	5.505	5.496	5.513	VV	24	148	0.06%	0.032%
13	5.531	5.513	5.541	VV	21	271	0.11%	0.058%
14	5.549	5.541	5.594	VV	34	349	0.14%	0.075%
15	5.609	5.594	5.632	VV	30	384	0.15%	0.083%
16	5.643	5.632	5.665	VV	16	243	0.10%	0.052%
17	5.690	5.665	5.701	VV	24	321	0.13%	0.069%
18	5.712	5.701	5.721	VV	27	227	0.09%	0.049%
19	5.725	5.721	5.734	VV	21	133	0.05%	0.029%
20	5.743	5.734	5.748	VV	20	132	0.05%	0.028%
21	5.754	5.748	5.767	VV	26	217	0.09%	0.047%
22	5.779	5.767	5.797	VV	44	385	0.15%	0.083%
23	5.815	5.797	5.845	VV	21	394	0.16%	0.085%
24	5.876	5.845	5.887	VV	32	442	0.18%	0.095%
25	5.899	5.887	5.909	VV	33	284	0.11%	0.061%
26	5.927	5.909	5.964	VV	39	715	0.28%	0.154%
27	5.977	5.964	5.995	VV	22	275	0.11%	0.059%
28	6.008	5.995	6.035	VV	22	353	0.14%	0.076%
29	6.040	6.035	6.049	VV	15	77	0.03%	0.016%
30	6.070	6.049	6.081	VV	16	166	0.07%	0.036%
31	6.107	6.081	6.116	VV	27	382	0.15%	0.082%
32	6.121	6.116	6.138	VV	25	268	0.11%	0.058%
33	6.170	6.138	6.198	VV	34	884	0.35%	0.190%
34	6.209	6.198	6.227	VV	27	350	0.14%	0.075%
35	6.238	6.227	6.251	VV	34	339	0.13%	0.073%
36	6.266	6.251	6.278	VV	40	497	0.20%	0.107%

					rters			
37	6.299	6.278	6.315	VV	42	748	0.30%	0.161%
38	6.324	6.315	6.349	VV	45	741	0.29%	0.159%
39	6.360	6.349	6.370	VV	36	397	0.16%	0.085%
40	6.384	6.370	6.408	VV	35	671	0.27%	0.144%
41	6.422	6.408	6.483	VV	32	853	0.34%	0.183%
42	6.503	6.483	6.539	VV	39	880	0.35%	0.189%
43	6.549	6.539	6.564	VV	25	261	0.10%	0.056%
44	6.595	6.564	6.642	VV	32	1073	0.43%	0.231%
45	6.650	6.642	6.675	VV	24	362	0.14%	0.078%
46	6.687	6.675	6.701	VV	33	276	0.11%	0.059%
47	6.736	6.701	6.753	PV	26	537	0.21%	0.115%
48	6.768	6.753	6.788	VV	42	580	0.23%	0.125%
49	6.842	6.809	6.884	VV	34	953	0.38%	0.205%
50	6.916	6.884	6.925	VV	32	358	0.14%	0.077%
51	6.935	6.925	6.945	VV	29	254	0.10%	0.055%
52	6.957	6.945	6.997	VV	25	541	0.21%	0.116%
53	7.006	6.997	7.013	VV	18	121	0.05%	0.026%
54	7.032	7.013	7.039	VV	25	308	0.12%	0.066%
55	7.050	7.039	7.081	VV	31	609	0.24%	0.131%
56	7.090	7.081	7.109	VV	25	309	0.12%	0.066%
57	7.118	7.109	7.126	VV	25	215	0.09%	0.046%
58	7.136	7.126	7.149	VV	28	303	0.12%	0.065%
59	7.160	7.149	7.187	VV	33	499	0.20%	0.107%
60	7.197	7.187	7.210	VV	35	378	0.15%	0.081%
61	7.217	7.210	7.234	VV	29	272	0.11%	0.059%
62	7.282	7.234	7.292	VV	32	618	0.25%	0.133%
63	7.312	7.292	7.338	VV	28	506	0.20%	0.109%
64	7.346	7.338	7.354	VV	21	173	0.07%	0.037%
65	7.373	7.354	7.409	VV	32	600	0.24%	0.129%
66	7.427	7.409	7.438	VV	41	429	0.17%	0.092%
67	7.449	7.438	7.468	VV	35	451	0.18%	0.097%
68	7.477	7.468	7.490	VV	19	225	0.09%	0.048%
69	7.528	7.490	7.571	VV	45	1304	0.52%	0.281%
70	7.601	7.571	7.666	VV	33	1094	0.43%	0.235%
71	7.674	7.666	7.680	VV	21	119	0.05%	0.026%
72	7.690	7.680	7.714	VV	26	445	0.18%	0.096%
73	7.723	7.714	7.749	VV	36	537	0.21%	0.115%
74	7.792	7.749	7.802	VV	33	831	0.33%	0.179%
75	7.806	7.802	7.832	VV	32	472	0.19%	0.101%
76	7.847	7.832	7.855	VV	38	384	0.15%	0.083%
77	7.874	7.855	7.884	VV	50	627	0.25%	0.135%
78	7.896	7.884	7.907	VV	57	485	0.19%	0.104%
79	8.004	7.907	8.031	VV	111	4653	1.85%	1.001%
80	8.061	8.031	8.070	VV	134	2757	1.09%	0.593%
81	8.076	8.070	8.125	VV	114	3381	1.34%	0.727%
82	8.145	8.125	8.161	VV	101	2101	0.83%	0.452%
83	8.171	8.161	8.194	VV	96	1795	0.71%	0.386%
84	8.208	8.194	8.225	VV	102	1718	0.68%	0.369%
85	8.270	8.225	8.303	VV	105	4416	1.75%	0.950%
86	8.313	8.303	8.325	VV	95	1181	0.47%	0.254%
87	8.359	8.325	8.375	VV	103	2772	1.10%	0.596%
88	8.390	8.375	8.409	VV	106	1818	0.72%	0.391%
89	8.418	8.409	8.461	VV	84	1866	0.74%	0.401%

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90	8.469	8.461	8.495	VV	57	695	0.28%	0.150%
91	8.501	8.495	8.532	VV	29	505	0.20%	0.109%
92	8.538	8.532	8.551	VV	27	265	0.11%	0.057%
93	8.564	8.551	8.588	VV	34	492	0.20%	0.106%
94	8.643	8.588	8.651	VV	47	862	0.34%	0.185%
95	8.790	8.651	8.961	VV	4389	251893	100.00%	54.183%
96	8.969	8.961	9.010	VV	57	1542	0.61%	0.332%
97	9.023	9.010	9.034	VV	51	654	0.26%	0.141%
98	9.044	9.034	9.066	VV	50	775	0.31%	0.167%
99	9.077	9.066	9.091	VV	53	618	0.25%	0.133%
100	9.112	9.091	9.124	VV	40	631	0.25%	0.136%
101	9.134	9.124	9.155	VV	39	580	0.23%	0.125%
102	9.165	9.155	9.175	VV	32	305	0.12%	0.066%
103	9.183	9.175	9.212	VV	29	528	0.21%	0.114%
104	9.252	9.212	9.283	VV	30	933	0.37%	0.201%
105	9.296	9.283	9.310	VV	34	474	0.19%	0.102%
106	9.319	9.310	9.328	VV	39	348	0.14%	0.075%
107	9.339	9.328	9.368	VV	41	731	0.29%	0.157%
108	9.378	9.368	9.397	VV	35	495	0.20%	0.106%
109	9.410	9.397	9.420	VV	32	327	0.13%	0.070%
110	9.433	9.420	9.442	VV	29	327	0.13%	0.070%
111	9.523	9.442	9.565	VV	49	1689	0.67%	0.363%
112	9.589	9.565	9.599	VV	24	363	0.14%	0.078%
113	9.646	9.599	9.662	VV	28	839	0.33%	0.181%
114	9.671	9.662	9.689	VV	27	362	0.14%	0.078%
115	9.695	9.689	9.704	VV	49	277	0.11%	0.060%
116	9.714	9.704	9.752	VV	38	776	0.31%	0.167%
117	9.765	9.752	9.776	VV	24	261	0.10%	0.056%
118	9.826	9.776	9.834	VV	39	807	0.32%	0.174%
119	9.873	9.834	9.883	VV	31	757	0.30%	0.163%
120	9.906	9.883	9.916	VV	34	479	0.19%	0.103%
121	9.923	9.916	9.934	VV	26	249	0.10%	0.053%
122	9.957	9.934	10.003	VV	38	847	0.34%	0.182%
123	10.031	10.003	10.045	PV	26	339	0.13%	0.073%
124	10.083	10.045	10.093	VV	31	586	0.23%	0.126%
125	10.101	10.093	10.112	VV	22	207	0.08%	0.045%
126	10.130	10.112	10.151	VV	37	579	0.23%	0.125%
127	10.163	10.151	10.172	VV	20	190	0.08%	0.041%
128	10.264	10.172	10.270	VV	58	1680	0.67%	0.361%
129	10.348	10.270	10.359	VV	207	6733	2.67%	1.448%
130	10.391	10.359	10.542	VV	223	14943	5.93%	3.214%
131	10.619	10.542	10.642	VV	77	3417	1.36%	0.735%
132	10.654	10.642	10.713	VV	77	1694	0.67%	0.364%
133	10.728	10.713	10.735	VV	27	273	0.11%	0.059%
134	10.742	10.735	10.791	VV	30	843	0.33%	0.181%
135	10.799	10.791	10.839	VV	36	569	0.23%	0.122%
136	10.853	10.839	10.862	VV	26	271	0.11%	0.058%
137	10.867	10.862	10.875	VV	20	133	0.05%	0.029%
138	10.881	10.875	10.917	VV	22	427	0.17%	0.092%
139	10.930	10.917	10.942	VV	31	388	0.15%	0.083%
140	10.948	10.942	10.992	VV	41	844	0.33%	0.181%
141	11.012	10.992	11.028	VV	33	500	0.20%	0.107%

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142	11.067	11.028	11.083	PV	31	504	0.20%	0.108%
143	11.097	11.083	11.106	VV	21	208	0.08%	0.045%
144	11.117	11.106	11.140	VV	32	419	0.17%	0.090%
145	11.182	11.140	11.190	VV	32	523	0.21%	0.113%
146	11.198	11.190	11.243	VV	47	764	0.30%	0.164%
147	11.250	11.243	11.275	VV	22	325	0.13%	0.070%
148	11.285	11.275	11.343	VV	30	949	0.38%	0.204%
149	11.361	11.343	11.370	VV	28	297	0.12%	0.064%
150	11.376	11.370	11.382	VV	21	97	0.04%	0.021%
151	11.430	11.382	11.447	VV	34	781	0.31%	0.168%
152	11.479	11.447	11.493	VV	33	579	0.23%	0.125%
153	11.500	11.493	11.512	VV	34	243	0.10%	0.052%
154	11.522	11.512	11.531	VV	28	243	0.10%	0.052%
155	11.560	11.531	11.585	VV	40	925	0.37%	0.199%
156	11.596	11.585	11.617	VV	32	396	0.16%	0.085%
157	11.626	11.617	11.634	VV	33	224	0.09%	0.048%
158	11.643	11.634	11.649	VV	28	219	0.09%	0.047%
159	11.654	11.649	11.670	VV	26	230	0.09%	0.049%
160	11.683	11.670	11.696	VV	23	217	0.09%	0.047%
161	11.722	11.696	11.749	PV	24	441	0.18%	0.095%
162	11.758	11.749	11.777	VV	28	341	0.14%	0.073%
163	11.811	11.777	11.840	VV	32	819	0.32%	0.176%
164	11.867	11.840	11.891	VV	40	749	0.30%	0.161%
165	11.901	11.891	11.911	VV	29	241	0.10%	0.052%
166	11.920	11.911	11.936	VV	27	323	0.13%	0.069%
167	11.953	11.936	11.974	VV	29	480	0.19%	0.103%
168	11.985	11.974	12.006	VV	25	365	0.14%	0.078%
169	12.012	12.006	12.022	VV	16	141	0.06%	0.030%
170	12.066	12.022	12.077	VV	31	654	0.26%	0.141%
171	12.094	12.077	12.108	VV	36	494	0.20%	0.106%
172	12.132	12.108	12.148	VV	34	553	0.22%	0.119%
173	12.157	12.148	12.166	VV	21	163	0.06%	0.035%
174	12.178	12.166	12.190	VV	29	238	0.09%	0.051%
175	12.200	12.190	12.205	VV	13	107	0.04%	0.023%
176	12.221	12.205	12.234	VV	31	307	0.12%	0.066%
177	12.246	12.234	12.258	VV	19	204	0.08%	0.044%
178	12.267	12.258	12.275	VV	27	213	0.08%	0.046%
179	12.292	12.275	12.325	VV	26	503	0.20%	0.108%
180	12.368	12.325	12.388	VV	33	728	0.29%	0.156%
181	12.430	12.388	12.448	VV	31	667	0.26%	0.143%
182	12.566	12.448	12.589	VV	47	2458	0.98%	0.529%
183	12.595	12.589	12.602	VV	39	264	0.10%	0.057%
184	12.617	12.602	12.648	VV	57	1052	0.42%	0.226%
185	12.660	12.648	12.675	VV	40	600	0.24%	0.129%
186	12.695	12.675	12.721	VV	50	1098	0.44%	0.236%
187	12.735	12.721	12.745	VV	50	635	0.25%	0.137%
188	12.753	12.745	12.761	VV	47	405	0.16%	0.087%
189	12.771	12.761	12.788	VV	49	664	0.26%	0.143%
190	12.796	12.788	12.831	VV	40	891	0.35%	0.192%
191	12.844	12.831	12.856	VV	48	596	0.24%	0.128%
192	12.888	12.856	12.913	VV	72	1781	0.71%	0.383%
193	12.922	12.913	12.982	VV	68	1542	0.61%	0.332%
194	12.992	12.982	13.003	VV	40	427	0.17%	0.092%

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195	13.015	13.003	13.028	VV	64	628	0.25%	0.135%
196	13.048	13.028	13.071	VV	44	1012	0.40%	0.218%
197	13.086	13.071	13.107	VV	46	807	0.32%	0.174%
198	13.116	13.107	13.126	VV	48	354	0.14%	0.076%
199	13.210	13.126	13.274	VV	97	4056	1.61%	0.872%
200	13.300	13.274	13.313	VV	25	483	0.19%	0.104%
201	13.321	13.313	13.335	VV	35	321	0.13%	0.069%
202	13.357	13.335	13.368	VV	35	431	0.17%	0.093%
203	13.377	13.368	13.400	VV	32	378	0.15%	0.081%
204	13.413	13.400	13.433	VV	26	392	0.16%	0.084%
205	13.435	13.433	13.466	VV	27	346	0.14%	0.074%
206	13.516	13.466	13.534	VV	32	888	0.35%	0.191%
207	13.549	13.534	13.566	VV	32	439	0.17%	0.094%
208	13.585	13.566	13.597	VV	33	412	0.16%	0.089%
209	13.629	13.597	13.655	VV	35	820	0.33%	0.176%
210	13.667	13.655	13.678	VV	29	267	0.11%	0.057%
211	13.688	13.678	13.703	PV	22	189	0.08%	0.041%
212	13.717	13.703	13.739	VV	40	548	0.22%	0.118%
213	13.759	13.739	13.767	VV	21	281	0.11%	0.060%
214	13.778	13.767	13.786	VV	37	308	0.12%	0.066%
215	13.795	13.786	13.803	VV	48	344	0.14%	0.074%
216	13.816	13.803	13.825	VV	43	473	0.19%	0.102%
217	13.837	13.825	13.845	VV	42	402	0.16%	0.086%
218	13.858	13.845	13.868	VV	44	516	0.21%	0.111%
219	13.910	13.868	13.942	VV	73	2519	1.00%	0.542%
220	13.947	13.942	13.954	VV	66	434	0.17%	0.093%
221	13.959	13.954	13.974	VV	62	475	0.19%	0.102%
222	13.994	13.974	14.014	VV	49	877	0.35%	0.189%
223	14.035	14.014	14.043	VV	78	983	0.39%	0.212%
224	14.094	14.043	14.105	VV	131	3881	1.54%	0.835%
225	14.138	14.105	14.203	VV	135	6261	2.49%	1.347%
226	14.212	14.203	14.228	VV	63	724	0.29%	0.156%
227	14.253	14.228	14.265	VV	43	631	0.25%	0.136%
228	14.273	14.265	14.280	VV	13	82	0.03%	0.018%
229	14.299	14.280	14.320	VV	27	375	0.15%	0.081%
230	14.340	14.320	14.347	VV	17	221	0.09%	0.047%
231	14.356	14.347	14.365	VV	19	166	0.07%	0.036%
232	14.384	14.365	14.397	VV	25	363	0.14%	0.078%
233	14.407	14.397	14.420	VV	28	229	0.09%	0.049%
234	14.450	14.420	14.474	VV	19	415	0.16%	0.089%
235	14.483	14.474	14.493	VV	13	87	0.03%	0.019%
236	14.538	14.493	14.556	VV	17	370	0.15%	0.080%
237	14.577	14.556	14.593	VV	15	210	0.08%	0.045%
238	14.613	14.593	14.631	VV	30	313	0.12%	0.067%
239	14.644	14.631	14.652	VV	18	124	0.05%	0.027%
240	14.673	14.652	14.693	VV	23	309	0.12%	0.066%
241	14.744	14.693	14.753	PV	17	277	0.11%	0.060%
242	14.800	14.753	14.841	VV	26	868	0.34%	0.187%
243	14.848	14.841	14.919	VV	26	585	0.23%	0.126%
244	14.984	14.919	15.002	VV	25	720	0.29%	0.155%
245	15.012	15.002	15.016	VV	22	146	0.06%	0.031%
246	15.053	15.016	15.062	VV	53	909	0.36%	0.196%

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247	15.077	15.062	15.092	VV	50	594	0.24%	0.128%
248	15.099	15.092	15.106	VV	20	128	0.05%	0.028%
249	15.135	15.106	15.152	VV	22	400	0.16%	0.086%
250	15.176	15.152	15.189	VV	19	287	0.11%	0.062%
251	15.205	15.189	15.222	VV	18	236	0.09%	0.051%
252	15.239	15.222	15.246	VV	18	176	0.07%	0.038%
253	15.258	15.246	15.319	VV	34	447	0.18%	0.096%
254	15.342	15.319	15.374	VV	19	395	0.16%	0.085%
255	15.414	15.374	15.454	VV	43	1224	0.49%	0.263%
256	15.462	15.454	15.468	VV	19	132	0.05%	0.028%
257	15.486	15.468	15.529	VV	27	661	0.26%	0.142%
258	15.540	15.529	15.568	VV	26	375	0.15%	0.081%
259	15.580	15.568	15.602	VV	21	252	0.10%	0.054%
260	15.615	15.602	15.631	VV	23	225	0.09%	0.048%
261	15.656	15.631	15.666	VV	28	280	0.11%	0.060%
262	15.687	15.666	15.695	PV	17	172	0.07%	0.037%
263	15.717	15.695	15.734	VV	20	301	0.12%	0.065%
264	15.764	15.734	15.776	VV	32	458	0.18%	0.099%
265	15.785	15.776	15.793	VV	28	217	0.09%	0.047%
266	15.815	15.793	15.824	VV	34	472	0.19%	0.101%
267	15.846	15.824	15.868	VV	41	711	0.28%	0.153%
268	15.890	15.868	15.920	VV	49	841	0.33%	0.181%
269	15.959	15.920	15.996	VV	53	1013	0.40%	0.218%
270	16.034	15.996	16.045	VV	24	405	0.16%	0.087%
271	16.074	16.045	16.090	VV	18	286	0.11%	0.062%
272	16.104	16.090	16.125	VV	29	344	0.14%	0.074%
273	16.195	16.125	16.276	VV	118	5641	2.24%	1.213%
274	16.282	16.276	16.306	VV	33	518	0.21%	0.111%
275	16.326	16.306	16.335	VV	33	405	0.16%	0.087%
276	16.344	16.335	16.362	VV	46	353	0.14%	0.076%
277	16.375	16.362	16.384	PV	35	305	0.12%	0.066%
278	16.395	16.384	16.427	VV	43	521	0.21%	0.112%
279	16.474	16.427	16.486	VV	27	505	0.20%	0.109%
280	16.499	16.486	16.534	VV	29	553	0.22%	0.119%
281	16.541	16.534	16.549	VV	17	110	0.04%	0.024%
282	16.586	16.549	16.619	VV	37	890	0.35%	0.191%
283	16.640	16.619	16.650	VV	29	385	0.15%	0.083%
284	16.670	16.650	16.678	VV	24	329	0.13%	0.071%
285	16.715	16.678	16.733	VV	32	664	0.26%	0.143%
286	16.776	16.733	16.784	VV	38	863	0.34%	0.186%
287	16.853	16.784	16.870	VV	61	2357	0.94%	0.507%
288	16.881	16.870	16.897	VV	57	691	0.27%	0.149%
289	16.914	16.897	16.933	VV	60	709	0.28%	0.152%
290	16.959	16.933	16.979	VV	21	407	0.16%	0.088%
291	16.989	16.979	16.999	VV	14	120	0.05%	0.026%
292	17.011	16.999	17.022	VV	15	141	0.06%	0.030%
293	17.033	17.022	17.055	VV	11	115	0.05%	0.025%
Sum of corrected areas:							464895	

Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-42	SDG No.:	Q2150
Lab Sample ID:	Q2150-02	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	86.2
Sample Wt/Vol:	5.05	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
FB031852.D	1	06/02/25 20:12	FB060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	12.0	J	9.00	52.0	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\FB060225\
Data File : FB031852.D
Signal(s) : FID2B.CH
Acq On : 2 Jun 2025 20:12
Operator : YP/AJ
Sample : Q2150-02
Misc : 5.05G/5.00 ML DI WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-42

Integration File: Calibration.e
Quant Time: Jun 03 05:29:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
5) s AAA-TFT	8.792	177908	14.580 ng/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

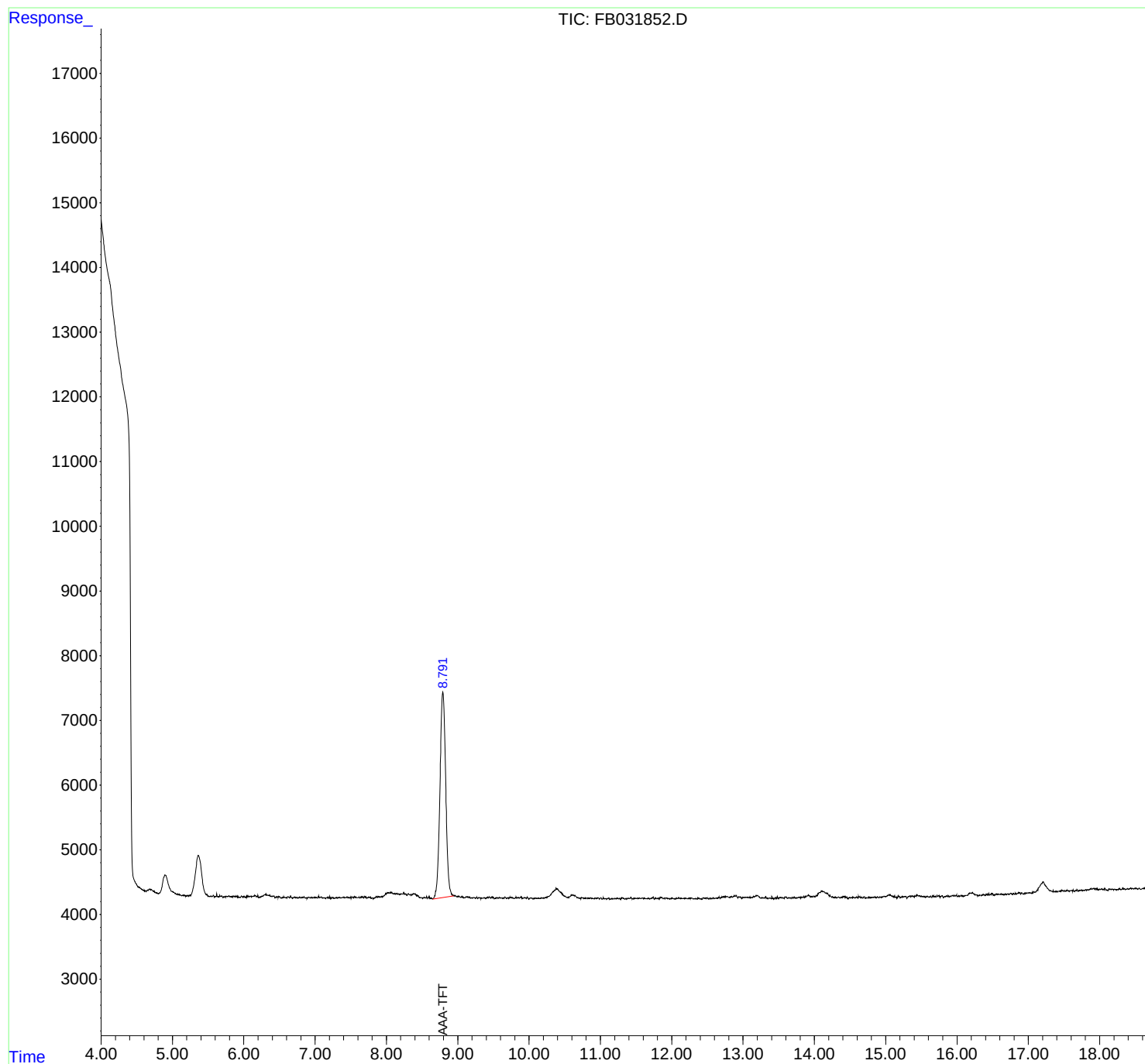
(m)=manual int.

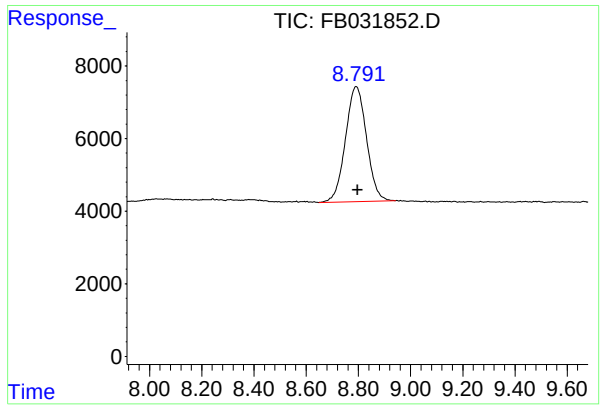
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060225\
Data File : FB031852.D
Signal(s) : FID2B.CH
Acq On : 2 Jun 2025 20:12
Operator : YP/AJ
Sample : Q2150-02
Misc : 5.05G/5.00 ML DI WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-42

Integration File: Calibration.e
Quant Time: Jun 03 05:29:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 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.: 8.792 min
Delta R.T.: -0.006 min
Response: 177908
Conc: 14.58 ng/ml

Instrument :
FID_B
ClientSampleId :
TP-42

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060225\
 Data File : FB031852.D
 Signal(s) : FID2B.CH
 Acq On : 2 Jun 2025 20:12
 Sample : Q2150-02
 Misc : 5.05G/5.00 ML DI WATER
 ALS Vial : 23 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
 Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.658	4.604	4.664	BV	28	282	0.15%	0.078%
2	4.681	4.664	4.804	VV	44	2017	1.10%	0.555%
3	5.143	5.130	5.156	VV	11	110	0.06%	0.030%
4	5.166	5.156	5.197	VV	19	237	0.13%	0.065%
5	5.221	5.197	5.239	PV	19	218	0.12%	0.060%
6	5.506	5.498	5.527	VV	16	178	0.10%	0.049%
7	5.537	5.527	5.558	VV	18	208	0.11%	0.057%
8	5.574	5.558	5.596	VV	32	332	0.18%	0.091%
9	5.622	5.596	5.645	VV	49	436	0.24%	0.120%
10	5.665	5.645	5.681	VV	31	310	0.17%	0.085%
11	5.691	5.681	5.710	VV	25	247	0.13%	0.068%
12	5.721	5.710	5.730	PV	11	90	0.05%	0.025%
13	5.743	5.730	5.751	VV	21	185	0.10%	0.051%
14	5.758	5.751	5.781	VV	19	286	0.16%	0.079%
15	5.793	5.781	5.820	VV	28	408	0.22%	0.112%
16	5.828	5.820	5.845	VV	22	203	0.11%	0.056%
17	5.852	5.845	5.876	VV	26	326	0.18%	0.090%
18	5.889	5.876	5.907	VV	22	306	0.17%	0.084%
19	5.918	5.907	5.939	VV	30	233	0.13%	0.064%
20	5.968	5.939	5.992	VV	25	355	0.19%	0.098%
21	6.007	5.992	6.031	VV	24	265	0.14%	0.073%
22	6.041	6.031	6.078	VV	29	512	0.28%	0.141%
23	6.088	6.078	6.095	VV	21	205	0.11%	0.056%
24	6.102	6.095	6.110	VV	27	196	0.11%	0.054%
25	6.119	6.110	6.124	VV	22	162	0.09%	0.045%
26	6.155	6.124	6.178	VV	37	894	0.49%	0.246%
27	6.198	6.178	6.209	VV	37	337	0.18%	0.093%
28	6.312	6.209	6.385	VV	64	3501	1.91%	0.963%
29	6.425	6.385	6.437	VV	34	819	0.45%	0.225%
30	6.449	6.437	6.455	VV	16	140	0.08%	0.039%
31	6.464	6.455	6.486	VV	25	307	0.17%	0.084%
32	6.493	6.486	6.533	VV	29	391	0.21%	0.107%
33	6.570	6.533	6.591	PV	22	429	0.23%	0.118%
34	6.597	6.591	6.604	VV	12	68	0.04%	0.019%
35	6.622	6.604	6.643	VV	25	363	0.20%	0.100%
36	6.656	6.643	6.689	VV	29	399	0.22%	0.110%

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37	6.712	6.689	6.733	VV	21	305	0.17%	0.084%	
38	6.743	6.733	6.755	VV	20	139	0.08%	0.038%	
39	6.763	6.755	6.771	VV	14	74	0.04%	0.020%	
40	6.783	6.771	6.802	VV	20	219	0.12%	0.060%	
41	6.814	6.802	6.830	VV	20	251	0.14%	0.069%	
42	6.845	6.830	6.869	VV	26	368	0.20%	0.101%	
43	6.877	6.869	6.887	VV	13	100	0.05%	0.028%	
44	6.913	6.887	6.931	VV	21	366	0.20%	0.101%	
45	6.948	6.931	6.957	VV	20	238	0.13%	0.065%	
46	6.990	6.957	7.001	VV	23	397	0.22%	0.109%	
47	7.009	7.001	7.035	VV	20	314	0.17%	0.086%	
48	7.048	7.035	7.062	VV	39	362	0.20%	0.099%	
49	7.086	7.062	7.102	VV	25	477	0.26%	0.131%	
50	7.132	7.102	7.150	VV	16	342	0.19%	0.094%	
51	7.186	7.150	7.196	VV	26	459	0.25%	0.126%	
52	7.204	7.196	7.226	VV	36	282	0.15%	0.078%	
53	7.240	7.226	7.266	PV	25	316	0.17%	0.087%	
54	7.277	7.266	7.284	VV	13	97	0.05%	0.027%	
55	7.300	7.284	7.310	VV	27	243	0.13%	0.067%	
56	7.347	7.310	7.359	VV	25	481	0.26%	0.132%	
57	7.368	7.359	7.375	VV	20	144	0.08%	0.040%	
58	7.394	7.375	7.426	VV	27	648	0.35%	0.178%	
59	7.450	7.426	7.463	VV	32	520	0.28%	0.143%	
60	7.473	7.463	7.482	VV	24	240	0.13%	0.066%	
61	7.491	7.482	7.505	VV	23	273	0.15%	0.075%	
62	7.514	7.505	7.542	VV	30	518	0.28%	0.142%	
63	7.552	7.542	7.566	VV	35	359	0.20%	0.099%	
64	7.574	7.566	7.587	VV	28	271	0.15%	0.075%	
65	7.617	7.587	7.632	VV	25	557	0.30%	0.153%	
66	7.652	7.632	7.661	VV	36	423	0.23%	0.117%	
67	7.670	7.661	7.727	VV	39	991	0.54%	0.273%	
68	7.749	7.727	7.757	VV	31	372	0.20%	0.102%	
69	7.766	7.757	7.791	VV	32	391	0.21%	0.108%	
70	7.807	7.791	7.817	VV	17	192	0.10%	0.053%	
71	7.856	7.817	7.877	PV	38	793	0.43%	0.218%	
72	7.886	7.877	7.915	VV	41	733	0.40%	0.202%	
73	7.938	7.915	7.947	VV	41	670	0.36%	0.184%	
74	8.025	7.947	8.034	VV	102	3670	2.00%	1.010%	
75	8.039	8.034	8.095	VV	97	3402	1.85%	0.936%	
76	8.104	8.095	8.128	VV	84	1542	0.84%	0.424%	
77	8.136	8.128	8.192	VV	85	2915	1.59%	0.802%	
78	8.213	8.192	8.223	VV	80	1456	0.79%	0.401%	
79	8.243	8.223	8.267	VV	106	2154	1.17%	0.593%	
80	8.275	8.267	8.290	VV	78	941	0.51%	0.259%	
81	8.311	8.290	8.359	VV	82	2806	1.53%	0.772%	
82	8.382	8.359	8.503	VV	87	4456	2.43%	1.226%	
83	8.535	8.503	8.546	VV	28	503	0.27%	0.138%	
84	8.564	8.546	8.572	VV	39	355	0.19%	0.098%	
85	8.604	8.572	8.613	VV	33	549	0.30%	0.151%	
86	8.618	8.613	8.624	VV	18	94	0.05%	0.026%	
87	8.631	8.624	8.648	VV	22	172	0.09%	0.047%	
88	8.792	8.648	8.992	PV	3199	183705	100.00%	50.559%	
89	9.005	8.992	9.016	VV	44	600	0.33%	0.165%	

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90	9.022	9.016	9.045	VV	43	599	0.33%	0.165%	
91	9.057	9.045	9.066	VV	45	417	0.23%	0.115%	
92	9.073	9.066	9.093	VV	37	392	0.21%	0.108%	
93	9.121	9.093	9.131	VV	36	624	0.34%	0.172%	
94	9.140	9.131	9.181	VV	37	895	0.49%	0.246%	
95	9.188	9.181	9.210	VV	23	316	0.17%	0.087%	
96	9.222	9.210	9.251	VV	26	510	0.28%	0.140%	
97	9.269	9.251	9.282	VV	32	343	0.19%	0.094%	
98	9.298	9.282	9.309	VV	28	327	0.18%	0.090%	
99	9.321	9.309	9.330	VV	23	226	0.12%	0.062%	
100	9.341	9.330	9.350	VV	24	209	0.11%	0.058%	
101	9.371	9.350	9.386	VV	27	393	0.21%	0.108%	
102	9.419	9.386	9.428	VV	32	522	0.28%	0.144%	
103	9.442	9.428	9.466	VV	37	581	0.32%	0.160%	
104	9.493	9.466	9.517	VV	37	747	0.41%	0.205%	
105	9.549	9.517	9.572	VV	28	587	0.32%	0.162%	
106	9.584	9.572	9.600	VV	32	371	0.20%	0.102%	
107	9.607	9.600	9.627	VV	25	302	0.16%	0.083%	
108	9.635	9.627	9.649	VV	23	223	0.12%	0.062%	
109	9.664	9.649	9.683	VV	34	481	0.26%	0.132%	
110	9.700	9.683	9.710	VV	23	291	0.16%	0.080%	
111	9.753	9.710	9.764	VV	31	771	0.42%	0.212%	
112	9.773	9.764	9.792	VV	27	301	0.16%	0.083%	
113	9.819	9.792	9.830	VV	32	486	0.26%	0.134%	
114	9.852	9.830	9.863	VV	27	438	0.24%	0.121%	
115	9.884	9.863	9.919	VV	38	809	0.44%	0.223%	
116	9.935	9.919	9.961	VV	27	551	0.30%	0.152%	
117	9.975	9.961	9.998	VV	34	437	0.24%	0.120%	
118	10.018	9.998	10.027	VV	21	261	0.14%	0.072%	
119	10.035	10.027	10.054	VV	21	235	0.13%	0.065%	
120	10.089	10.054	10.121	VV	19	519	0.28%	0.143%	
121	10.136	10.121	10.168	VV	21	431	0.23%	0.118%	
122	10.175	10.168	10.192	VV	23	299	0.16%	0.082%	
123	10.201	10.192	10.209	VV	26	199	0.11%	0.055%	
124	10.379	10.209	10.393	VV	172	8880	4.83%	2.444%	
125	10.402	10.393	10.535	VV	163	7516	4.09%	2.069%	
126	10.546	10.535	10.556	VV	40	411	0.22%	0.113%	
127	10.592	10.556	10.600	VV	73	1263	0.69%	0.348%	
128	10.611	10.600	10.632	VV	71	1227	0.67%	0.338%	
129	10.645	10.632	10.711	VV	64	1783	0.97%	0.491%	
130	10.736	10.711	10.777	VV	29	859	0.47%	0.236%	
131	10.843	10.777	10.855	VV	22	871	0.47%	0.240%	
132	10.865	10.855	10.913	VV	27	598	0.33%	0.165%	
133	10.925	10.913	10.946	VV	23	330	0.18%	0.091%	
134	10.955	10.946	10.987	VV	24	465	0.25%	0.128%	
135	11.008	10.987	11.022	VV	29	353	0.19%	0.097%	
136	11.043	11.022	11.057	VV	27	278	0.15%	0.077%	
137	11.077	11.057	11.087	VV	17	217	0.12%	0.060%	
138	11.119	11.087	11.145	VV	24	463	0.25%	0.128%	
139	11.166	11.145	11.178	VV	17	214	0.12%	0.059%	
140	11.197	11.178	11.220	VV	18	365	0.20%	0.100%	
141	11.240	11.220	11.258	VV	25	381	0.21%	0.105%	

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142	11.267	11.258	11.283	VV	21	167	0.09%	0.046%
143	11.304	11.283	11.345	PV	33	639	0.35%	0.176%
144	11.356	11.345	11.377	VV	19	233	0.13%	0.064%
145	11.390	11.377	11.404	VV	23	264	0.14%	0.073%
146	11.428	11.404	11.460	VV	26	599	0.33%	0.165%
147	11.492	11.460	11.510	VV	23	491	0.27%	0.135%
148	11.523	11.510	11.534	VV	21	261	0.14%	0.072%
149	11.551	11.534	11.565	VV	23	333	0.18%	0.092%
150	11.588	11.565	11.605	VV	25	430	0.23%	0.118%
151	11.623	11.605	11.643	VV	21	349	0.19%	0.096%
152	11.668	11.643	11.716	VV	21	645	0.35%	0.178%
153	11.740	11.716	11.755	VV	38	548	0.30%	0.151%
154	11.780	11.755	11.796	VV	24	389	0.21%	0.107%
155	11.805	11.796	11.829	VV	23	321	0.17%	0.088%
156	11.839	11.829	11.881	VV	34	783	0.43%	0.215%
157	11.895	11.881	11.905	VV	23	247	0.13%	0.068%
158	11.915	11.905	11.924	VV	26	225	0.12%	0.062%
159	11.932	11.924	11.977	VV	26	518	0.28%	0.143%
160	12.015	11.977	12.062	VV	26	779	0.42%	0.214%
161	12.072	12.062	12.086	VV	24	229	0.12%	0.063%
162	12.101	12.086	12.128	VV	25	482	0.26%	0.133%
163	12.136	12.128	12.146	VV	21	180	0.10%	0.050%
164	12.153	12.146	12.163	VV	18	152	0.08%	0.042%
165	12.172	12.163	12.178	VV	19	132	0.07%	0.036%
166	12.205	12.178	12.219	VV	22	423	0.23%	0.116%
167	12.232	12.219	12.259	VV	21	412	0.22%	0.113%
168	12.273	12.259	12.303	VV	22	465	0.25%	0.128%
169	12.312	12.303	12.328	VV	15	172	0.09%	0.047%
170	12.337	12.328	12.342	VV	17	110	0.06%	0.030%
171	12.348	12.342	12.359	VV	17	118	0.06%	0.032%
172	12.370	12.359	12.408	VV	26	424	0.23%	0.117%
173	12.416	12.408	12.426	VV	13	82	0.04%	0.023%
174	12.443	12.426	12.469	PV	27	456	0.25%	0.126%
175	12.479	12.469	12.485	VV	27	198	0.11%	0.055%
176	12.496	12.485	12.527	VV	28	445	0.24%	0.122%
177	12.539	12.527	12.547	VV	24	195	0.11%	0.054%
178	12.580	12.547	12.590	VV	27	455	0.25%	0.125%
179	12.598	12.590	12.607	VV	20	178	0.10%	0.049%
180	12.631	12.607	12.642	VV	25	387	0.21%	0.107%
181	12.662	12.642	12.683	VV	34	609	0.33%	0.168%
182	12.726	12.683	12.735	VV	42	1023	0.56%	0.282%
183	12.754	12.735	12.763	VV	54	688	0.37%	0.189%
184	12.775	12.763	12.817	VV	47	1190	0.65%	0.328%
185	12.879	12.817	12.890	VV	56	1782	0.97%	0.490%
186	12.906	12.890	12.928	VV	62	1061	0.58%	0.292%
187	12.937	12.928	12.944	VV	40	314	0.17%	0.086%
188	12.965	12.944	12.981	VV	41	704	0.38%	0.194%
189	13.018	12.981	13.027	VV	34	704	0.38%	0.194%
190	13.042	13.027	13.059	VV	32	562	0.31%	0.155%
191	13.068	13.059	13.077	VV	36	314	0.17%	0.086%
192	13.085	13.077	13.090	VV	27	189	0.10%	0.052%
193	13.098	13.090	13.120	VV	37	475	0.26%	0.131%
194	13.185	13.120	13.193	VV	61	1754	0.95%	0.483%

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195	13.204	13.193	13.252	VV	59	1354	0.74%	0.373%
196	13.267	13.252	13.275	VV	28	275	0.15%	0.076%
197	13.321	13.275	13.355	VV	43	984	0.54%	0.271%
198	13.363	13.355	13.372	VV	16	147	0.08%	0.041%
199	13.381	13.372	13.397	VV	19	195	0.11%	0.054%
200	13.405	13.397	13.414	VV	42	226	0.12%	0.062%
201	13.422	13.414	13.432	VV	20	115	0.06%	0.032%
202	13.457	13.432	13.467	PV	22	261	0.14%	0.072%
203	13.482	13.467	13.505	VV	31	399	0.22%	0.110%
204	13.513	13.505	13.552	VV	25	580	0.32%	0.160%
205	13.558	13.552	13.580	VV	23	275	0.15%	0.076%
206	13.597	13.580	13.626	VV	33	628	0.34%	0.173%
207	13.667	13.626	13.676	VV	22	531	0.29%	0.146%
208	13.691	13.676	13.700	VV	28	259	0.14%	0.071%
209	13.714	13.700	13.741	VV	31	498	0.27%	0.137%
210	13.750	13.741	13.758	VV	23	162	0.09%	0.045%
211	13.782	13.758	13.806	VV	28	608	0.33%	0.167%
212	13.833	13.806	13.846	VV	31	592	0.32%	0.163%
213	13.895	13.846	13.903	VV	49	1211	0.66%	0.333%
214	13.916	13.903	13.961	VV	64	1610	0.88%	0.443%
215	13.969	13.961	13.981	VV	42	415	0.23%	0.114%
216	13.996	13.981	14.006	VV	42	552	0.30%	0.152%
217	14.075	14.006	14.083	VV	99	3028	1.65%	0.833%
218	14.100	14.083	14.121	VV	122	2520	1.37%	0.694%
219	14.127	14.121	14.212	VV	114	4687	2.55%	1.290%
220	14.221	14.212	14.245	VV	51	783	0.43%	0.215%
221	14.254	14.245	14.264	VV	37	323	0.18%	0.089%
222	14.287	14.264	14.363	VV	29	1154	0.63%	0.318%
223	14.421	14.363	14.479	VV	34	1485	0.81%	0.409%
224	14.494	14.479	14.508	VV	19	255	0.14%	0.070%
225	14.545	14.508	14.569	VV	25	601	0.33%	0.165%
226	14.594	14.569	14.610	VV	28	412	0.22%	0.114%
227	14.621	14.610	14.682	VV	31	776	0.42%	0.213%
228	14.700	14.682	14.749	VV	25	579	0.32%	0.159%
229	14.761	14.749	14.799	VV	29	479	0.26%	0.132%
230	14.840	14.799	14.871	VV	23	732	0.40%	0.201%
231	14.886	14.871	14.911	VV	27	398	0.22%	0.110%
232	14.922	14.911	14.936	VV	23	280	0.15%	0.077%
233	14.981	14.936	14.996	VV	34	909	0.49%	0.250%
234	15.053	14.996	15.158	VV	60	3426	1.86%	0.943%
235	15.177	15.158	15.207	PV	39	699	0.38%	0.192%
236	15.230	15.207	15.253	VV	32	580	0.32%	0.160%
237	15.268	15.253	15.300	VV	30	615	0.33%	0.169%
238	15.339	15.300	15.362	VV	32	910	0.50%	0.250%
239	15.384	15.362	15.401	VV	31	660	0.36%	0.182%
240	15.443	15.401	15.559	VV	47	2804	1.53%	0.772%
241	15.582	15.559	15.620	VV	25	667	0.36%	0.184%
242	15.632	15.620	15.648	VV	29	296	0.16%	0.082%
243	15.667	15.648	15.683	VV	27	455	0.25%	0.125%
244	15.722	15.683	15.774	VV	38	1232	0.67%	0.339%
245	15.790	15.774	15.811	VV	28	479	0.26%	0.132%
246	15.876	15.811	15.893	PV	29	886	0.48%	0.244%

[illegible]

Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-39	SDG No.:	Q2150
Lab Sample ID:	Q2150-03	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	83.7
Sample Wt/Vol:	6.22	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
FB031842.D	1	06/02/25 15:10	FB060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	11.0	J	8.00	43.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	20.7		50 - 150	104%	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\FB060225\
Data File : FB031842.D
Signal(s) : FID2B.CH
Acq On : 2 Jun 2025 15:10
Operator : YP/AJ
Sample : Q2150-03
Misc : 6.22G/5.00 ML DI WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-39

Integration File: Calibration.e
Quant Time: Jun 03 05:27:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 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	253058	20.738 ng/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

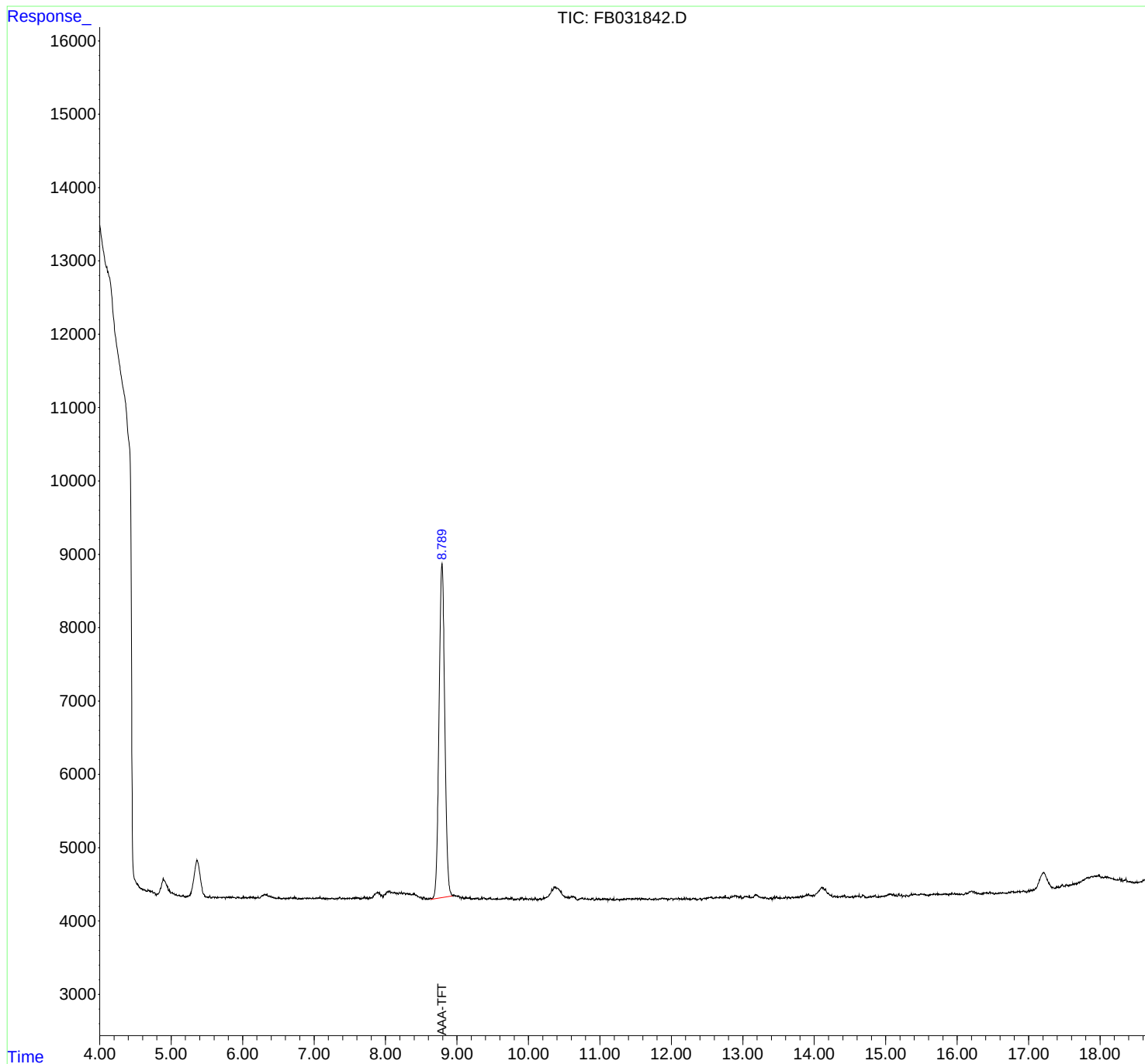
(m)=manual int.

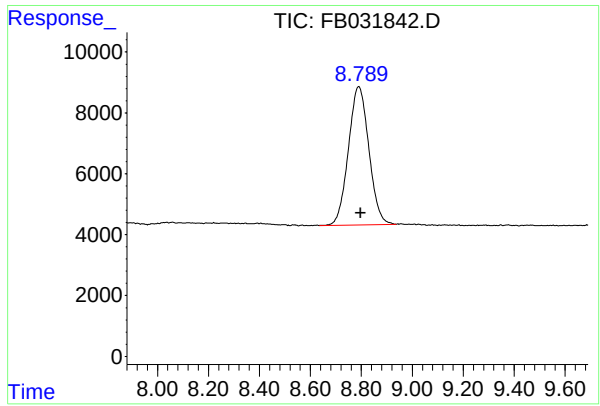
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060225\
Data File : FB031842.D
Signal(s) : FID2B.CH
Acq On : 2 Jun 2025 15:10
Operator : YP/AJ
Sample : Q2150-03
Misc : 6.22G/5.00 ML DI WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-39

Integration File: Calibration.e
Quant Time: Jun 03 05:27:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 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.: 8.791 min
Delta R.T.: -0.007 min
Response: 253058
Conc: 20.74 ng/ml

Instrument :
FID_B
ClientSampleId :
TP-39

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060225\
 Data File : FB031842.D
 Signal(s) : FID2B.CH
 Acq On : 2 Jun 2025 15:10
 Sample : Q2150-03
 Misc : 6.22G/5.00 ML DI WATER
 ALS Vial : 7 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
 Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.675	4.668	4.721	PV	24	696	0.27%	0.155%
2	4.736	4.721	4.756	VV	32	479	0.18%	0.106%
3	4.769	4.756	4.796	VV	29	396	0.15%	0.088%
4	4.806	4.796	4.816	PV	24	209	0.08%	0.046%
5	4.975	4.967	4.996	VV	96	1239	0.48%	0.275%
6	5.015	4.996	5.063	VV	59	1635	0.63%	0.363%
7	5.072	5.063	5.089	VV	33	351	0.14%	0.078%
8	5.097	5.089	5.103	VV	20	146	0.06%	0.032%
9	5.113	5.103	5.138	VV	29	362	0.14%	0.080%
10	5.169	5.138	5.199	VV	32	521	0.20%	0.116%
11	5.494	5.486	5.508	VV	19	193	0.07%	0.043%
12	5.517	5.508	5.527	VV	21	145	0.06%	0.032%
13	5.542	5.527	5.568	VV	31	306	0.12%	0.068%
14	5.595	5.568	5.607	PV	17	273	0.11%	0.061%
15	5.620	5.607	5.643	VV	18	224	0.09%	0.050%
16	5.653	5.643	5.669	VV	21	194	0.07%	0.043%
17	5.685	5.669	5.715	VV	18	359	0.14%	0.080%
18	5.739	5.715	5.758	VV	19	363	0.14%	0.081%
19	5.775	5.758	5.787	PV	26	277	0.11%	0.061%
20	5.807	5.787	5.817	VV	23	277	0.11%	0.061%
21	5.858	5.817	5.908	VV	25	818	0.32%	0.181%
22	5.941	5.908	5.969	VV	23	497	0.19%	0.110%
23	5.976	5.969	5.985	VV	11	82	0.03%	0.018%
24	5.997	5.985	6.003	VV	17	110	0.04%	0.024%
25	6.013	6.003	6.026	VV	28	250	0.10%	0.055%
26	6.046	6.026	6.072	VV	21	402	0.16%	0.089%
27	6.084	6.072	6.099	VV	22	269	0.10%	0.060%
28	6.111	6.099	6.119	VV	31	261	0.10%	0.058%
29	6.126	6.119	6.143	VV	22	262	0.10%	0.058%
30	6.152	6.143	6.171	VV	34	341	0.13%	0.076%
31	6.189	6.171	6.199	VV	22	249	0.10%	0.055%
32	6.309	6.199	6.329	VV	61	2738	1.06%	0.608%
33	6.339	6.329	6.363	VV	70	1041	0.40%	0.231%
34	6.371	6.363	6.391	VV	43	619	0.24%	0.137%
35	6.398	6.391	6.412	VV	44	411	0.16%	0.091%
36	6.418	6.412	6.476	VV	26	673	0.26%	0.149%

					rteres				
37	6.509	6.476	6.528	VV	23	446	0.17%	0.099%	
38	6.535	6.528	6.555	VV	15	135	0.05%	0.030%	
39	6.580	6.555	6.598	VV	17	266	0.10%	0.059%	
40	6.609	6.598	6.620	VV	18	156	0.06%	0.035%	
41	6.627	6.620	6.638	VV	16	137	0.05%	0.030%	
42	6.670	6.638	6.700	VV	22	605	0.23%	0.134%	
43	6.709	6.700	6.717	VV	24	190	0.07%	0.042%	
44	6.727	6.717	6.735	VV	35	213	0.08%	0.047%	
45	6.743	6.735	6.769	VV	27	281	0.11%	0.062%	
46	6.799	6.769	6.811	PV	18	242	0.09%	0.054%	
47	6.837	6.811	6.851	VV	14	241	0.09%	0.054%	
48	6.866	6.851	6.892	VV	21	377	0.15%	0.084%	
49	6.935	6.892	6.966	VV	23	693	0.27%	0.154%	
50	6.982	6.966	7.014	VV	23	389	0.15%	0.086%	
51	7.046	7.014	7.056	VV	24	429	0.17%	0.095%	
52	7.065	7.056	7.076	VV	25	239	0.09%	0.053%	
53	7.083	7.076	7.115	VV	40	463	0.18%	0.103%	
54	7.133	7.115	7.145	VV	25	301	0.12%	0.067%	
55	7.155	7.145	7.163	VV	15	96	0.04%	0.021%	
56	7.188	7.163	7.236	VV	18	521	0.20%	0.116%	
57	7.252	7.236	7.298	VV	22	469	0.18%	0.104%	
58	7.359	7.298	7.382	VV	30	852	0.33%	0.189%	
59	7.398	7.382	7.407	VV	24	213	0.08%	0.047%	
60	7.423	7.407	7.433	VV	23	253	0.10%	0.056%	
61	7.477	7.433	7.484	VV	19	429	0.17%	0.095%	
62	7.493	7.484	7.554	VV	23	701	0.27%	0.156%	
63	7.560	7.554	7.600	VV	23	526	0.20%	0.117%	
64	7.609	7.600	7.666	VV	30	709	0.27%	0.157%	
65	7.708	7.666	7.732	VV	40	913	0.35%	0.203%	
66	7.743	7.732	7.759	VV	42	357	0.14%	0.079%	
67	7.777	7.759	7.787	VV	37	367	0.14%	0.081%	
68	7.885	7.787	7.962	VV	101	6720	2.60%	1.491%	
69	7.979	7.962	7.989	VV	70	934	0.36%	0.207%	
70	8.037	7.989	8.047	VV	120	3215	1.24%	0.713%	
71	8.060	8.047	8.078	VV	120	1986	0.77%	0.441%	
72	8.090	8.078	8.108	VV	105	1758	0.68%	0.390%	
73	8.122	8.108	8.152	VV	102	2546	0.98%	0.565%	
74	8.165	8.152	8.182	VV	94	1557	0.60%	0.345%	
75	8.193	8.182	8.214	VV	98	1738	0.67%	0.386%	
76	8.222	8.214	8.240	VV	103	1394	0.54%	0.309%	
77	8.254	8.240	8.309	VV	95	3534	1.37%	0.784%	
78	8.317	8.309	8.364	VV	87	2525	0.98%	0.560%	
79	8.392	8.364	8.483	VV	90	4378	1.69%	0.972%	
80	8.493	8.483	8.521	VV	41	654	0.25%	0.145%	
81	8.539	8.521	8.555	VV	34	468	0.18%	0.104%	
82	8.568	8.555	8.597	VV	24	346	0.13%	0.077%	
83	8.627	8.597	8.656	VV	26	579	0.22%	0.128%	
84	8.790	8.656	8.938	VV	4580	258891	100.00%	57.454%	
85	8.944	8.938	8.948	VV	65	400	0.15%	0.089%	
86	8.956	8.948	9.004	VV	72	1897	0.73%	0.421%	
87	9.009	9.004	9.017	VV	61	381	0.15%	0.085%	
88	9.026	9.017	9.039	VV	57	652	0.25%	0.145%	
89	9.045	9.039	9.059	VV	44	425	0.16%	0.094%	

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90	9.079	9.059	9.102	VV	44	709	0.27%	0.157%	
91	9.129	9.102	9.157	VV	39	868	0.34%	0.193%	
92	9.166	9.157	9.176	VV	32	302	0.12%	0.067%	
93	9.184	9.176	9.207	VV	42	394	0.15%	0.087%	
94	9.225	9.207	9.233	VV	24	279	0.11%	0.062%	
95	9.240	9.233	9.249	VV	21	171	0.07%	0.038%	
96	9.289	9.249	9.312	VV	28	744	0.29%	0.165%	
97	9.323	9.312	9.337	VV	18	198	0.08%	0.044%	
98	9.349	9.337	9.357	VV	41	275	0.11%	0.061%	
99	9.378	9.357	9.393	VV	37	554	0.21%	0.123%	
100	9.407	9.393	9.420	VV	21	264	0.10%	0.059%	
101	9.452	9.420	9.495	VV	28	827	0.32%	0.184%	
102	9.510	9.495	9.524	VV	15	221	0.09%	0.049%	
103	9.554	9.524	9.561	VV	25	354	0.14%	0.079%	
104	9.568	9.561	9.575	VV	23	125	0.05%	0.028%	
105	9.596	9.575	9.607	VV	19	242	0.09%	0.054%	
106	9.618	9.607	9.626	VV	20	165	0.06%	0.037%	
107	9.637	9.626	9.648	VV	27	254	0.10%	0.056%	
108	9.661	9.648	9.671	VV	26	277	0.11%	0.062%	
109	9.685	9.671	9.714	VV	35	594	0.23%	0.132%	
110	9.723	9.714	9.789	VV	27	944	0.36%	0.209%	
111	9.799	9.789	9.807	VV	17	111	0.04%	0.025%	
112	9.853	9.807	9.877	VV	24	510	0.20%	0.113%	
113	9.891	9.877	9.899	VV	31	261	0.10%	0.058%	
114	9.916	9.899	9.937	VV	38	529	0.20%	0.117%	
115	9.968	9.937	10.002	VV	23	600	0.23%	0.133%	
116	10.022	10.002	10.032	VV	26	306	0.12%	0.068%	
117	10.049	10.032	10.060	VV	28	266	0.10%	0.059%	
118	10.070	10.060	10.082	VV	20	144	0.06%	0.032%	
119	10.095	10.082	10.140	VV	36	515	0.20%	0.114%	
120	10.330	10.140	10.339	VV	156	5705	2.20%	1.266%	
121	10.359	10.339	10.374	VV	185	3423	1.32%	0.760%	
122	10.384	10.374	10.455	VV	186	7544	2.91%	1.674%	
123	10.462	10.455	10.545	VV	114	3359	1.30%	0.745%	
124	10.554	10.545	10.577	VV	48	705	0.27%	0.156%	
125	10.600	10.577	10.610	VV	56	847	0.33%	0.188%	
126	10.625	10.610	10.676	VV	58	1639	0.63%	0.364%	
127	10.682	10.676	10.691	VV	15	71	0.03%	0.016%	
128	10.727	10.691	10.747	PV	27	613	0.24%	0.136%	
129	10.762	10.747	10.779	VV	33	470	0.18%	0.104%	
130	10.789	10.779	10.815	VV	27	407	0.16%	0.090%	
131	10.829	10.815	10.838	VV	25	219	0.08%	0.049%	
132	10.848	10.838	10.881	VV	22	389	0.15%	0.086%	
133	10.889	10.881	10.896	VV	30	199	0.08%	0.044%	
134	10.905	10.896	10.924	VV	32	276	0.11%	0.061%	
135	10.955	10.924	10.970	VV	24	396	0.15%	0.088%	
136	10.983	10.970	10.995	VV	25	224	0.09%	0.050%	
137	11.045	10.995	11.054	VV	24	473	0.18%	0.105%	
138	11.065	11.054	11.084	VV	26	340	0.13%	0.075%	
139	11.093	11.084	11.103	VV	22	180	0.07%	0.040%	
140	11.109	11.103	11.117	VV	25	114	0.04%	0.025%	
141	11.145	11.117	11.157	VV	28	322	0.12%	0.071%	

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142	11.182	11.157	11.216	VV	18	358	0.14%	0.080%
143	11.238	11.216	11.273	VV	20	327	0.13%	0.073%
144	11.297	11.273	11.324	PV	14	284	0.11%	0.063%
145	11.334	11.324	11.346	VV	24	180	0.07%	0.040%
146	11.400	11.346	11.409	VV	27	642	0.25%	0.142%
147	11.417	11.409	11.434	VV	24	293	0.11%	0.065%
148	11.454	11.434	11.476	VV	23	456	0.18%	0.101%
149	11.524	11.476	11.533	VV	29	653	0.25%	0.145%
150	11.559	11.533	11.572	VV	27	414	0.16%	0.092%
151	11.583	11.572	11.594	VV	31	240	0.09%	0.053%
152	11.606	11.594	11.668	VV	23	657	0.25%	0.146%
153	11.695	11.668	11.740	VV	29	597	0.23%	0.132%
154	11.783	11.740	11.852	VV	26	977	0.38%	0.217%
155	11.880	11.852	11.950	VV	27	1165	0.45%	0.259%
156	11.998	11.950	12.027	PV	27	696	0.27%	0.154%
157	12.068	12.027	12.086	PV	26	505	0.19%	0.112%
158	12.098	12.086	12.173	VV	30	824	0.32%	0.183%
159	12.212	12.173	12.247	VV	31	669	0.26%	0.149%
160	12.262	12.247	12.285	VV	13	259	0.10%	0.058%
161	12.306	12.285	12.361	VV	24	639	0.25%	0.142%
162	12.404	12.361	12.429	PV	26	415	0.16%	0.092%
163	12.558	12.429	12.589	VV	45	2251	0.87%	0.500%
164	12.692	12.589	12.708	VV	36	2051	0.79%	0.455%
165	12.755	12.708	12.815	VV	54	1865	0.72%	0.414%
166	12.890	12.815	13.006	VV	60	4315	1.67%	0.958%
167	13.056	13.006	13.085	VV	45	1686	0.65%	0.374%
168	13.091	13.085	13.115	VV	53	587	0.23%	0.130%
169	13.182	13.115	13.299	VV	69	4044	1.56%	0.897%
170	13.313	13.299	13.336	VV	28	406	0.16%	0.090%
171	13.348	13.336	13.369	VV	11	174	0.07%	0.039%
172	13.391	13.369	13.422	PV	20	373	0.14%	0.083%
173	13.443	13.422	13.552	VV	40	1462	0.56%	0.324%
174	13.603	13.552	13.622	VV	32	711	0.27%	0.158%
175	13.645	13.622	13.675	VV	28	576	0.22%	0.128%
176	13.694	13.675	13.728	VV	26	615	0.24%	0.137%
177	13.743	13.728	13.758	VV	32	422	0.16%	0.094%
178	13.809	13.758	13.824	VV	39	1020	0.39%	0.226%
179	13.892	13.824	13.908	VV	60	1939	0.75%	0.430%
180	13.923	13.908	13.978	VV	71	1972	0.76%	0.438%
181	13.990	13.978	14.004	VV	50	672	0.26%	0.149%
182	14.107	14.004	14.264	VV	148	13642	5.27%	3.027%
183	14.285	14.264	14.335	VV	35	966	0.37%	0.214%
184	14.352	14.335	14.368	VV	23	390	0.15%	0.086%
185	14.425	14.368	14.449	VV	35	1316	0.51%	0.292%
186	14.467	14.449	14.548	VV	20	1013	0.39%	0.225%
187	14.628	14.548	14.649	VV	44	1408	0.54%	0.312%
188	14.683	14.649	14.735	VV	42	1071	0.41%	0.238%
189	14.855	14.735	14.894	PV	35	1387	0.54%	0.308%
190	15.049	14.894	15.162	VV	45	3865	1.49%	0.858%
191	15.185	15.162	15.211	VV	44	709	0.27%	0.157%
192	15.222	15.211	15.242	VV	37	337	0.13%	0.075%
193	15.257	15.242	15.278	VV	21	265	0.10%	0.059%
194	15.290	15.278	15.326	VV	24	405	0.16%	0.090%

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195	15.360	15.326	15.446	VV	45	1751	0.68%	0.388%
196	15.493	15.446	15.598	VV	34	2045	0.79%	0.454%
197	15.679	15.598	15.701	VV	27	1217	0.47%	0.270%
198	15.714	15.701	15.790	VV	23	1056	0.41%	0.234%
199	15.804	15.790	15.816	VV	27	308	0.12%	0.068%
200	15.831	15.816	15.882	VV	30	757	0.29%	0.168%
201	15.895	15.882	15.910	VV	20	340	0.13%	0.075%
202	15.928	15.910	15.946	VV	33	463	0.18%	0.103%
203	15.965	15.946	15.980	VV	34	406	0.16%	0.090%
204	15.999	15.980	16.052	VV	19	624	0.24%	0.138%
205	16.064	16.052	16.089	VV	17	267	0.10%	0.059%
206	16.120	16.089	16.155	VV	32	737	0.28%	0.164%
207	16.205	16.155	16.227	VV	53	1776	0.69%	0.394%
208	16.238	16.227	16.282	VV	46	993	0.38%	0.220%
209	16.297	16.282	16.339	VV	22	488	0.19%	0.108%
210	16.415	16.339	16.434	VV	32	1057	0.41%	0.235%
211	16.455	16.434	16.520	VV	33	893	0.35%	0.198%
212	16.541	16.520	16.570	PV	11	233	0.09%	0.052%
213	16.604	16.570	16.700	VV	20	759	0.29%	0.168%
214	16.761	16.700	16.816	VV	24	1006	0.39%	0.223%
215	16.854	16.816	16.888	VV	21	675	0.26%	0.150%
216	16.930	16.888	16.974	VV	27	822	0.32%	0.182%
			Sum of corrected areas:			450609		

FB053025.M Tue Jun 03 05:58:13 2025

Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-48	SDG No.:	Q2150
Lab Sample ID:	Q2150-04	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	80.7
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Final Vol:	5
GPC Factor :		PH :	
Prep Method :		Decanted:	
		Test:	Gasoline Range Organics
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031862.D	50	06/03/25 12:38	FB060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	710	J	512	2790	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	23.8		50 - 150	119%	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\FB060325\
Data File : FB031862.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 12:38
Operator : YP/AJ
Sample : Q2150-04 50X
Misc : 5.19G/5.00 ML MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-48

Integration File: Calibration.e
Quant Time: Jun 04 01:20:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 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	8.787	289947	23.761 ng/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

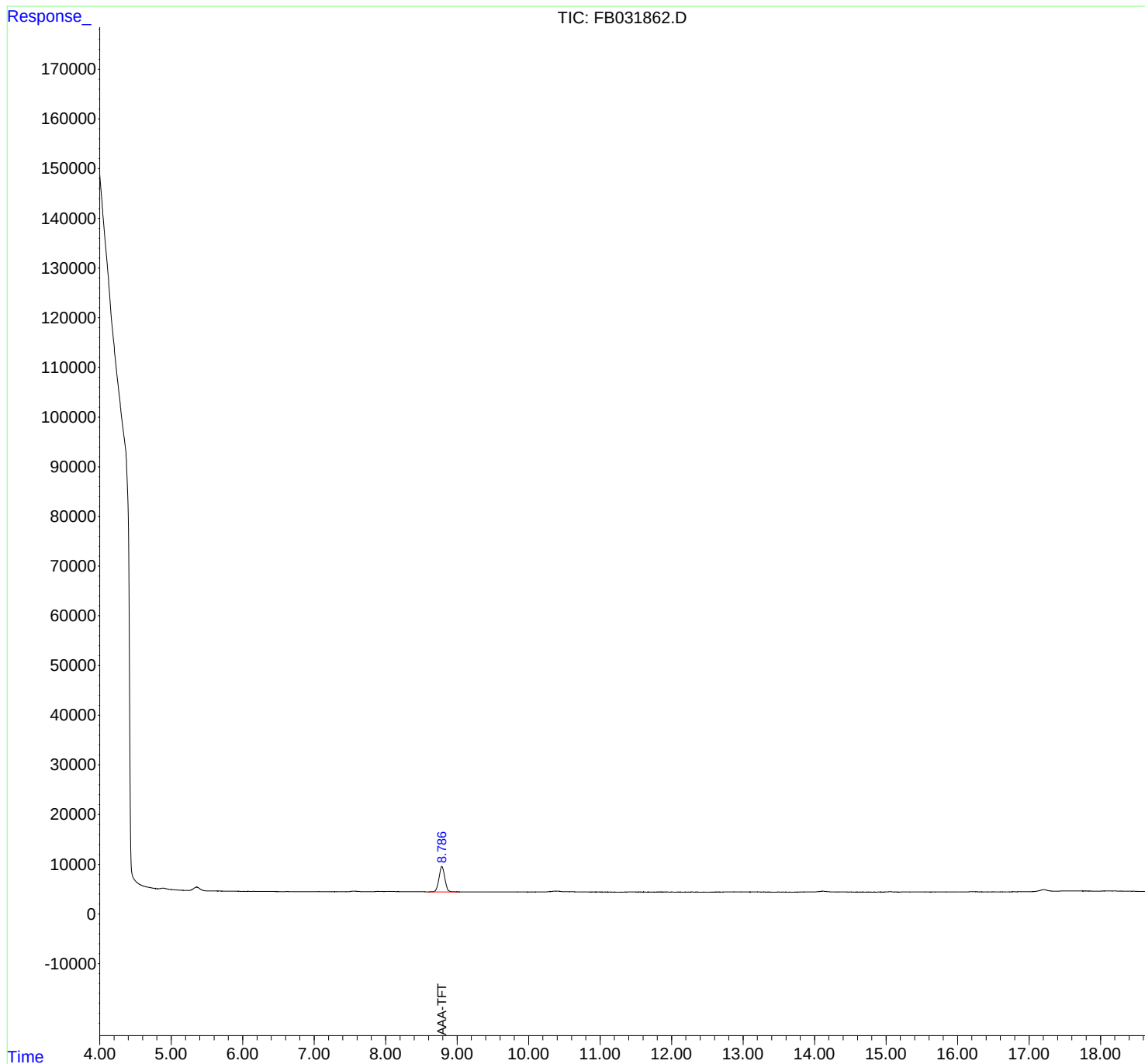
(m)=manual int.

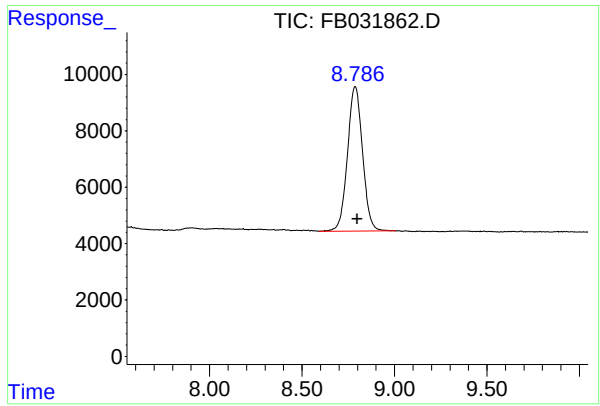
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060325\
Data File : FB031862.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 12:38
Operator : YP/AJ
Sample : Q2150-04 50X
Misc : 5.19G/5.00 ML MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-48

Integration File: Calibration.e
Quant Time: Jun 04 01:20:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 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.: 8.787 min
Delta R.T.: -0.010 min
Response: 289947
Conc: 23.76 ng/ml

Instrument :
FID_B
ClientSampleId :
TP-48

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060325\
 Data File : FB031862.D
 Signal(s) : FID2B.CH
 Acq On : 3 Jun 2025 12:38
 Sample : Q2150-04 50X
 Misc : 5.19G/5.00 ML ME0H
 ALS Vial : 7 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
 Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.893	4.771	5.208	BV	177	5862	1.99%	1.202%
2	5.215	5.208	5.229	PV	18	118	0.04%	0.024%
3	5.522	5.510	5.530	PV	8	54	0.02%	0.011%
4	5.537	5.530	5.597	VV	13	203	0.07%	0.042%
5	5.608	5.597	5.650	VV	23	286	0.10%	0.059%
6	5.658	5.650	5.703	VV	17	391	0.13%	0.080%
7	5.709	5.703	5.720	PV	27	97	0.03%	0.020%
8	5.735	5.720	5.749	VV	14	151	0.05%	0.031%
9	5.759	5.749	5.792	VV	18	244	0.08%	0.050%
10	5.803	5.792	5.828	VV	13	165	0.06%	0.034%
11	5.839	5.828	5.849	PV	20	144	0.05%	0.030%
12	5.856	5.849	5.881	VV	15	163	0.06%	0.034%
13	5.889	5.881	5.918	VV	29	275	0.09%	0.056%
14	5.926	5.918	5.933	VV	10	44	0.01%	0.009%
15	5.951	5.933	6.006	VV	28	371	0.13%	0.076%
16	6.013	6.006	6.057	VV	14	181	0.06%	0.037%
17	6.081	6.057	6.107	PV	25	361	0.12%	0.074%
18	6.118	6.107	6.139	VV	20	194	0.07%	0.040%
19	6.158	6.139	6.171	VV	31	351	0.12%	0.072%
20	6.177	6.171	6.185	VV	22	125	0.04%	0.026%
21	6.194	6.185	6.201	VV	19	142	0.05%	0.029%
22	6.209	6.201	6.222	VV	23	197	0.07%	0.040%
23	6.233	6.222	6.251	VV	18	213	0.07%	0.044%
24	6.259	6.251	6.267	VV	14	87	0.03%	0.018%
25	6.282	6.267	6.292	VV	30	302	0.10%	0.062%
26	6.318	6.292	6.348	VV	36	1040	0.35%	0.213%
27	6.361	6.348	6.372	VV	40	480	0.16%	0.098%
28	6.379	6.372	6.388	VV	41	353	0.12%	0.072%
29	6.405	6.388	6.505	VB	31	1015	0.35%	0.208%
30	6.521	6.511	6.536	BV	10	48	0.02%	0.010%
31	6.543	6.536	6.554	VV	10	71	0.02%	0.015%
32	6.564	6.554	6.573	VV	17	97	0.03%	0.020%
33	6.581	6.573	6.594	PV	12	94	0.03%	0.019%
34	6.626	6.594	6.637	PV	34	620	0.21%	0.127%
35	6.649	6.637	6.678	VV	36	464	0.16%	0.095%
36	6.685	6.678	6.711	VV	26	245	0.08%	0.050%

					rteres			
37	6.724	6.711	6.758	PV	8	177	0.06%	0.036%
38	6.802	6.758	6.814	VV	27	427	0.15%	0.088%
39	6.825	6.814	6.847	VV	24	219	0.07%	0.045%
40	6.857	6.847	6.872	VV	21	233	0.08%	0.048%
41	6.886	6.872	6.916	VV	28	350	0.12%	0.072%
42	6.936	6.916	6.961	PV	10	128	0.04%	0.026%
43	6.970	6.961	6.989	VV	12	104	0.04%	0.021%
44	7.006	6.989	7.016	VV	13	125	0.04%	0.026%
45	7.039	7.016	7.051	VV	26	377	0.13%	0.077%
46	7.068	7.051	7.105	VV	29	598	0.20%	0.123%
47	7.127	7.105	7.183	VB	17	347	0.12%	0.071%
48	7.274	7.218	7.289	BV	5	-10	-0.00%	-0.002%
49	7.312	7.289	7.326	PV	15	172	0.06%	0.035%
50	7.347	7.326	7.358	PV	20	245	0.08%	0.050%
51	7.378	7.358	7.408	VV	25	493	0.17%	0.101%
52	7.424	7.408	7.446	VV	46	566	0.19%	0.116%
53	7.471	7.446	7.478	VV	42	468	0.16%	0.096%
54	7.556	7.478	7.565	VV	144	5260	1.79%	1.079%
55	7.577	7.565	7.732	VV	144	7069	2.41%	1.450%
56	7.742	7.732	7.767	VV	50	683	0.23%	0.140%
57	7.781	7.767	7.807	VV	42	702	0.24%	0.144%
58	7.824	7.807	7.833	VV	47	550	0.19%	0.113%
59	7.893	7.833	7.951	VV	114	6260	2.13%	1.284%
60	7.962	7.951	7.975	VV	82	1069	0.36%	0.219%
61	7.984	7.975	8.002	VV	76	1224	0.42%	0.251%
62	8.042	8.002	8.057	VV	96	2812	0.96%	0.577%
63	8.074	8.057	8.083	VV	97	1359	0.46%	0.279%
64	8.097	8.083	8.142	VV	88	2705	0.92%	0.555%
65	8.162	8.142	8.170	VV	79	1205	0.41%	0.247%
66	8.183	8.170	8.211	VV	93	1652	0.56%	0.339%
67	8.228	8.211	8.236	VV	68	896	0.30%	0.184%
68	8.242	8.236	8.250	VV	66	522	0.18%	0.107%
69	8.265	8.250	8.296	VV	69	1775	0.60%	0.364%
70	8.302	8.296	8.321	VV	62	856	0.29%	0.176%
71	8.348	8.321	8.359	VV	66	1187	0.40%	0.244%
72	8.405	8.359	8.418	VV	70	1888	0.64%	0.387%
73	8.425	8.418	8.443	VV	51	608	0.21%	0.125%
74	8.473	8.443	8.483	VV	40	793	0.27%	0.163%
75	8.491	8.483	8.500	VV	36	348	0.12%	0.071%
76	8.510	8.500	8.518	VV	41	372	0.13%	0.076%
77	8.535	8.518	8.545	VV	40	578	0.20%	0.119%
78	8.553	8.545	8.562	VV	35	270	0.09%	0.055%
79	8.569	8.562	8.591	VV	23	292	0.10%	0.060%
80	8.787	8.591	8.988	VV	5144	293823	100.00%	60.276%
81	8.993	8.988	9.021	VV	34	619	0.21%	0.127%
82	9.029	9.021	9.043	VV	33	325	0.11%	0.067%
83	9.060	9.043	9.070	VV	33	357	0.12%	0.073%
84	9.073	9.070	9.080	VV	23	109	0.04%	0.022%
85	9.085	9.080	9.099	VV	18	122	0.04%	0.025%
86	9.107	9.099	9.115	VV	11	80	0.03%	0.016%
87	9.141	9.115	9.163	VV	19	339	0.12%	0.070%
88	9.184	9.163	9.196	VV	12	180	0.06%	0.037%
89	9.207	9.196	9.274	VV	14	367	0.12%	0.075%

					rteres			
90	9.355	9.274	9.386	VV	29	1277	0.43%	0.262%
91	9.391	9.386	9.471	VV	28	882	0.30%	0.181%
92	9.486	9.471	9.505	VV	24	327	0.11%	0.067%
93	9.526	9.505	9.561	VV	21	312	0.11%	0.064%
94	9.578	9.561	9.586	PV	9	43	0.01%	0.009%
95	9.598	9.586	9.611	VV	18	144	0.05%	0.029%
96	9.647	9.611	9.659	VV	17	381	0.13%	0.078%
97	9.686	9.659	9.710	VV	29	419	0.14%	0.086%
98	9.724	9.710	9.761	VV	15	291	0.10%	0.060%
99	9.787	9.761	9.795	VV	16	162	0.06%	0.033%
100	9.804	9.795	9.859	VV	11	252	0.09%	0.052%
101	9.881	9.859	9.890	VV	19	252	0.09%	0.052%
102	9.931	9.890	9.948	VV	21	481	0.16%	0.099%
103	9.957	9.948	9.987	VV	10	167	0.06%	0.034%
104	10.002	9.987	10.011	VV	15	78	0.03%	0.016%
105	10.022	10.011	10.044	PV	11	120	0.04%	0.025%
106	10.056	10.044	10.098	VV	17	258	0.09%	0.053%
107	10.109	10.098	10.160	VV	18	397	0.14%	0.082%
108	10.185	10.160	10.193	VV	20	249	0.08%	0.051%
109	10.202	10.193	10.221	VV	32	347	0.12%	0.071%
110	10.240	10.221	10.248	VV	37	476	0.16%	0.098%
111	10.379	10.248	10.483	VV	209	18745	6.38%	3.845%
112	10.491	10.483	10.520	VV	87	1673	0.57%	0.343%
113	10.530	10.520	10.574	VV	74	2014	0.69%	0.413%
114	10.617	10.574	10.713	VV	76	3708	1.26%	0.761%
115	10.724	10.713	10.734	VV	16	176	0.06%	0.036%
116	10.766	10.734	10.793	VV	35	801	0.27%	0.164%
117	10.816	10.793	10.826	VV	30	466	0.16%	0.096%
118	10.835	10.826	10.863	VV	27	259	0.09%	0.053%
119	10.886	10.863	10.897	PV	14	149	0.05%	0.031%
120	10.909	10.897	10.955	VV	30	369	0.13%	0.076%
121	10.964	10.955	10.969	VV	16	97	0.03%	0.020%
122	10.985	10.969	11.046	VB	24	469	0.16%	0.096%
123	11.062	11.050	11.097	BV	10	199	0.07%	0.041%
124	11.105	11.097	11.119	VV	17	111	0.04%	0.023%
125	11.134	11.119	11.155	PV	26	300	0.10%	0.062%
126	11.164	11.155	11.190	VV	14	173	0.06%	0.036%
127	11.196	11.190	11.205	VV	13	83	0.03%	0.017%
128	11.214	11.205	11.238	VV	14	164	0.06%	0.034%
129	11.250	11.238	11.284	VV	11	205	0.07%	0.042%
130	11.300	11.284	11.326	VV	14	244	0.08%	0.050%
131	11.351	11.326	11.365	PV	27	301	0.10%	0.062%
132	11.370	11.365	11.378	VV	16	109	0.04%	0.022%
133	11.416	11.378	11.429	VV	48	1020	0.35%	0.209%
134	11.434	11.429	11.449	VV	43	455	0.15%	0.093%
135	11.458	11.449	11.518	VV	43	1107	0.38%	0.227%
136	11.527	11.518	11.535	VV	26	212	0.07%	0.043%
137	11.552	11.535	11.562	VV	34	411	0.14%	0.084%
138	11.569	11.562	11.596	VV	28	410	0.14%	0.084%
139	11.608	11.596	11.616	VV	20	222	0.08%	0.046%
140	11.624	11.616	11.646	VV	25	292	0.10%	0.060%
141	11.688	11.646	11.706	VV	28	648	0.22%	0.133%

					rteres			
142	11.719	11.706	11.731	VV	23	253	0.09%	0.052%
143	11.745	11.731	11.753	VV	22	213	0.07%	0.044%
144	11.788	11.753	11.816	VV	26	725	0.25%	0.149%
145	11.826	11.816	11.835	VV	25	251	0.09%	0.051%
146	11.848	11.835	11.868	VV	26	467	0.16%	0.096%
147	11.886	11.868	11.894	VV	32	388	0.13%	0.080%
148	11.908	11.894	11.917	VV	33	373	0.13%	0.077%
149	11.922	11.917	11.929	VV	27	176	0.06%	0.036%
150	11.950	11.929	11.972	VV	39	547	0.19%	0.112%
151	11.991	11.972	12.001	PV	30	297	0.10%	0.061%
152	12.009	12.001	12.022	VV	30	263	0.09%	0.054%
153	12.041	12.022	12.058	VV	21	308	0.10%	0.063%
154	12.081	12.058	12.091	VV	33	388	0.13%	0.080%
155	12.100	12.091	12.106	VV	30	168	0.06%	0.035%
156	12.130	12.106	12.151	VV	26	519	0.18%	0.107%
157	12.167	12.151	12.178	VV	13	164	0.06%	0.034%
158	12.197	12.178	12.228	VV	34	550	0.19%	0.113%
159	12.234	12.228	12.255	VV	26	279	0.09%	0.057%
160	12.290	12.255	12.314	VV	34	811	0.28%	0.166%
161	12.332	12.314	12.339	VV	26	280	0.10%	0.057%
162	12.352	12.339	12.373	VV	40	513	0.17%	0.105%
163	12.394	12.373	12.442	VV	21	578	0.20%	0.119%
164	12.452	12.442	12.482	VV	23	289	0.10%	0.059%
165	12.506	12.482	12.525	VV	22	408	0.14%	0.084%
166	12.536	12.525	12.566	VV	20	392	0.13%	0.081%
167	12.579	12.566	12.586	VV	24	199	0.07%	0.041%
168	12.593	12.586	12.600	VV	22	150	0.05%	0.031%
169	12.631	12.600	12.712	VV	30	1476	0.50%	0.303%
170	12.739	12.712	12.763	VV	36	889	0.30%	0.182%
171	12.777	12.763	12.797	VV	36	670	0.23%	0.137%
172	12.807	12.797	12.823	VV	41	541	0.18%	0.111%
173	12.831	12.823	12.838	VV	35	274	0.09%	0.056%
174	12.875	12.838	12.934	VV	73	2565	0.87%	0.526%
175	12.947	12.934	12.976	VV	36	730	0.25%	0.150%
176	12.985	12.976	12.996	VV	32	326	0.11%	0.067%
177	13.020	12.996	13.033	VV	36	716	0.24%	0.147%
178	13.071	13.033	13.088	VV	56	1181	0.40%	0.242%
179	13.190	13.088	13.260	VV	70	4133	1.41%	0.848%
180	13.267	13.260	13.277	VV	33	256	0.09%	0.052%
181	13.284	13.277	13.324	VV	34	653	0.22%	0.134%
182	13.344	13.324	13.358	VV	31	442	0.15%	0.091%
183	13.365	13.358	13.376	VV	32	215	0.07%	0.044%
184	13.391	13.376	13.403	VV	22	212	0.07%	0.044%
185	13.440	13.403	13.451	PV	21	314	0.11%	0.064%
186	13.481	13.451	13.490	VV	29	394	0.13%	0.081%
187	13.503	13.490	13.526	VV	26	425	0.14%	0.087%
188	13.569	13.526	13.589	VV	24	684	0.23%	0.140%
189	13.600	13.589	13.662	VV	25	606	0.21%	0.124%
190	13.673	13.662	13.687	VV	17	188	0.06%	0.039%
191	13.728	13.687	13.737	VV	24	489	0.17%	0.100%
192	13.763	13.737	13.774	VV	27	389	0.13%	0.080%
193	13.790	13.774	13.803	VV	35	375	0.13%	0.077%
194	13.825	13.803	13.853	VV	40	911	0.31%	0.187%

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195	13.895	13.853	13.923	VV	56	1571	0.53%	0.322%
196	13.939	13.923	13.961	VV	45	834	0.28%	0.171%
197	14.112	13.961	14.268	VV	190	17775	6.05%	3.646%
198	14.290	14.268	14.306	VV	35	608	0.21%	0.125%
199	14.316	14.306	14.335	VV	41	475	0.16%	0.097%
200	14.354	14.335	14.372	VV	35	542	0.18%	0.111%
201	14.430	14.372	14.457	VV	37	1421	0.48%	0.292%
202	14.465	14.457	14.481	VV	22	195	0.07%	0.040%
203	14.492	14.481	14.495	VV	23	128	0.04%	0.026%
204	14.505	14.495	14.530	VV	32	378	0.13%	0.077%
205	14.543	14.530	14.556	VV	24	227	0.08%	0.047%
206	14.568	14.556	14.593	VV	17	284	0.10%	0.058%
207	14.601	14.593	14.616	VV	19	166	0.06%	0.034%
208	14.627	14.616	14.650	VV	31	318	0.11%	0.065%
209	14.668	14.650	14.695	VV	25	399	0.14%	0.082%
210	14.735	14.695	14.744	VV	27	383	0.13%	0.079%
211	14.753	14.744	14.774	PV	19	187	0.06%	0.038%
212	14.792	14.774	14.806	VV	23	238	0.08%	0.049%
213	14.823	14.806	14.832	VV	19	174	0.06%	0.036%
214	14.843	14.832	14.853	VV	24	184	0.06%	0.038%
215	14.861	14.853	14.876	VV	14	125	0.04%	0.026%
216	14.892	14.876	14.911	VV	23	300	0.10%	0.062%
217	14.937	14.911	14.955	VV	25	443	0.15%	0.091%
218	14.964	14.955	14.969	VV	15	101	0.03%	0.021%
219	14.997	14.969	15.006	VV	31	463	0.16%	0.095%
220	15.075	15.006	15.125	VV	91	4042	1.38%	0.829%
221	15.134	15.125	15.159	VV	32	417	0.14%	0.085%
222	15.175	15.159	15.191	PV	22	235	0.08%	0.048%
223	15.209	15.191	15.235	VV	32	496	0.17%	0.102%
224	15.260	15.235	15.301	VV	28	789	0.27%	0.162%
225	15.309	15.301	15.318	VV	30	200	0.07%	0.041%
226	15.326	15.318	15.337	VV	19	176	0.06%	0.036%
227	15.363	15.337	15.386	VV	39	762	0.26%	0.156%
228	15.398	15.386	15.406	VV	44	411	0.14%	0.084%
229	15.415	15.406	15.436	VV	42	653	0.22%	0.134%
230	15.448	15.436	15.462	VV	37	436	0.15%	0.089%
231	15.500	15.462	15.522	VV	40	1150	0.39%	0.236%
232	15.533	15.522	15.551	VV	38	405	0.14%	0.083%
233	15.568	15.551	15.635	VV	26	602	0.20%	0.124%
234	15.655	15.635	15.689	VV	21	382	0.13%	0.078%
235	15.720	15.689	15.732	VV	36	475	0.16%	0.097%
236	15.740	15.732	15.751	VV	20	175	0.06%	0.036%
237	15.758	15.751	15.779	VV	26	253	0.09%	0.052%
238	15.785	15.779	15.822	VV	15	277	0.09%	0.057%
239	15.829	15.822	15.848	VV	14	97	0.03%	0.020%
240	15.878	15.848	15.889	PV	26	347	0.12%	0.071%
241	15.898	15.889	15.920	VV	19	222	0.08%	0.045%
242	15.930	15.920	15.940	VV	18	172	0.06%	0.035%
243	15.961	15.940	15.968	VV	27	287	0.10%	0.059%
244	15.983	15.968	16.015	VV	35	454	0.15%	0.093%
245	16.025	16.015	16.046	VV	21	235	0.08%	0.048%
246	16.061	16.046	16.083	VV	17	240	0.08%	0.049%

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247	16.099	16.083	16.110	VV	19	191	0.07%	0.039%
248	16.195	16.110	16.214	VV	81	2836	0.97%	0.582%
249	16.226	16.214	16.252	VV	71	1385	0.47%	0.284%
250	16.264	16.252	16.297	VV	44	946	0.32%	0.194%
251	16.312	16.297	16.325	VV	39	479	0.16%	0.098%
252	16.344	16.325	16.352	VV	40	481	0.16%	0.099%
253	16.360	16.352	16.375	VV	31	342	0.12%	0.070%
254	16.381	16.375	16.388	VV	24	177	0.06%	0.036%
255	16.416	16.388	16.430	VV	34	629	0.21%	0.129%
256	16.456	16.430	16.474	VV	30	580	0.20%	0.119%
257	16.485	16.474	16.495	VV	36	330	0.11%	0.068%
258	16.505	16.495	16.515	VV	40	288	0.10%	0.059%
259	16.532	16.515	16.556	VV	23	384	0.13%	0.079%
260	16.575	16.556	16.598	PV	29	469	0.16%	0.096%
261	16.607	16.598	16.621	VV	29	312	0.11%	0.064%
262	16.630	16.621	16.675	VV	28	416	0.14%	0.085%
263	16.711	16.675	16.748	PV	18	407	0.14%	0.084%
264	16.786	16.748	16.828	VV	26	651	0.22%	0.134%
265	16.849	16.828	16.869	PV	19	248	0.08%	0.051%
266	16.886	16.869	16.898	VV	28	288	0.10%	0.059%
267	16.904	16.898	16.922	VV	23	184	0.06%	0.038%
268	16.932	16.922	16.950	PV	20	150	0.05%	0.031%
269	16.978	16.950	16.988	PV	15	172	0.06%	0.035%
270	17.049	16.988	17.056	PV	16	295	0.10%	0.060%
271	17.065	17.056	17.072	VV	16	85	0.03%	0.017%
Sum of corrected areas:						487462		

FB053025.M Wed Jun 04 02:14:05 2025

Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-47	SDG No.:	Q2150
Lab Sample ID:	Q2150-05	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	81
Sample Wt/Vol:	4	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
FB031844.D	1	06/02/25 16:06	FB060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	31.0	J	13.0	69.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	24.0		50 - 150	120%	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\FB060225\
Data File : FB031844.D
Signal(s) : FID2B.CH
Acq On : 2 Jun 2025 16:06
Operator : YP/AJ
Sample : Q2150-05
Misc : 4.00G/5.00 ML DI WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-47

Integration File: Calibration.e
Quant Time: Jun 03 05:27:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
5) s AAA-TFT	8.792	293333	24.039 ng/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

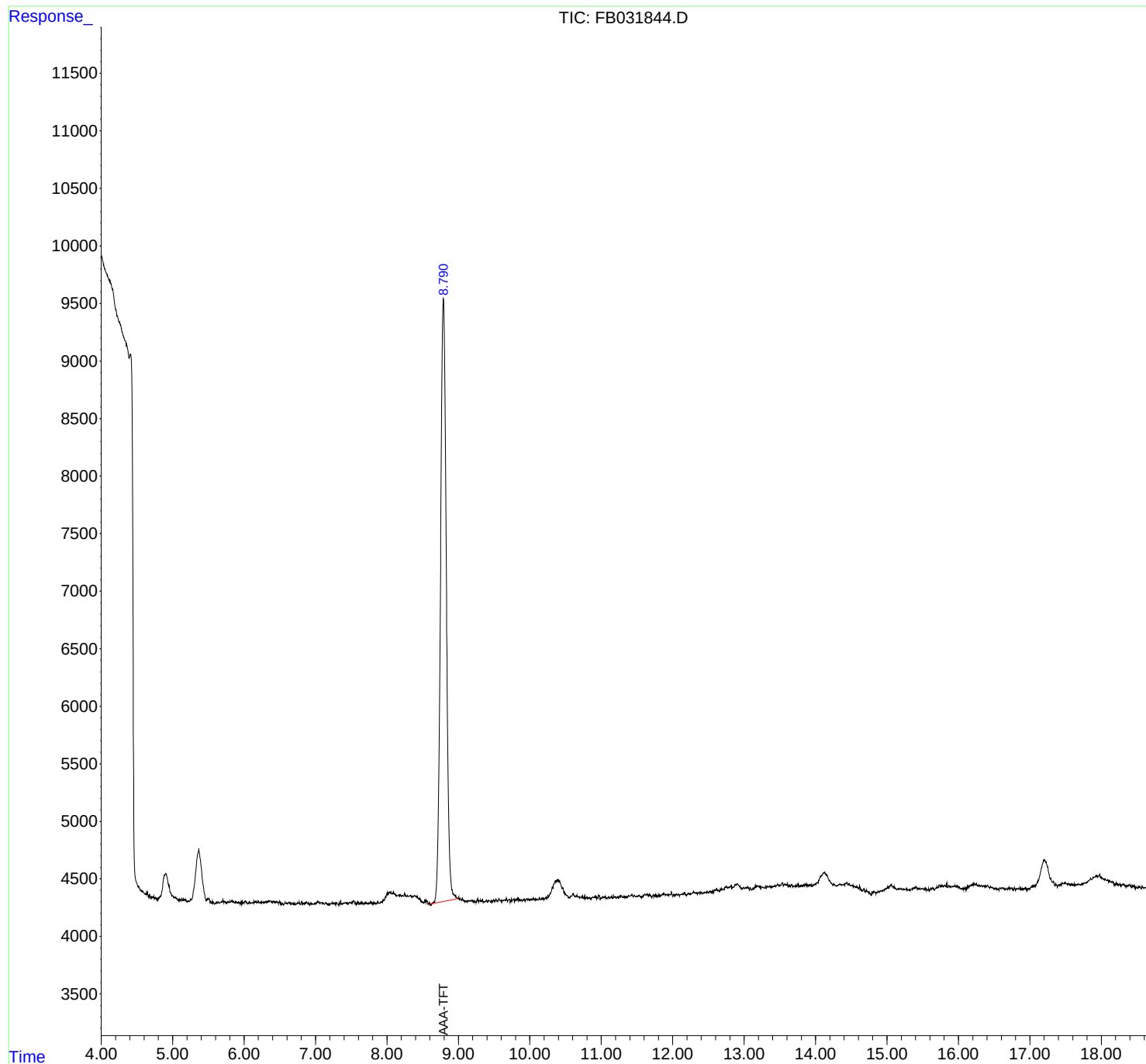
(m)=manual int.

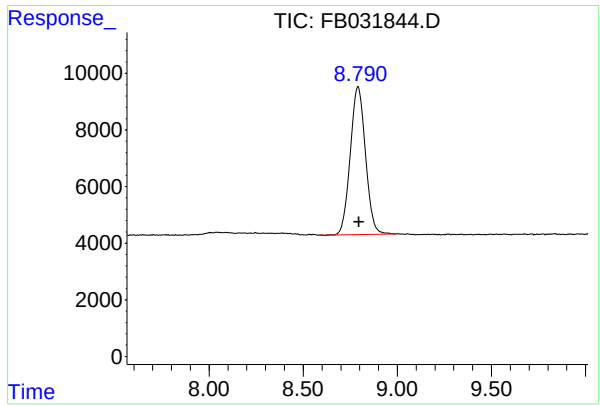
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060225\
Data File : FB031844.D
Signal(s) : FID2B.CH
Acq On : 2 Jun 2025 16:06
Operator : YP/AJ
Sample : Q2150-05
Misc : 4.00G/5.00 ML DI WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-47

Integration File: Calibration.e
Quant Time: Jun 03 05:27:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 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.: 8.792 min
Delta R.T.: -0.006 min
Response: 293333
Conc: 24.04 ng/ml

Instrument :
FID_B
ClientSampleId :
TP-47

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060225\
 Data File : FB031844.D
 Signal(s) : FID2B.CH
 Acq On : 2 Jun 2025 16:06
 Sample : Q2150-05
 Misc : 4.00G/5.00 ML DI WATER
 ALS Vial : 11 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
 Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.623	4.604	4.631	BV	10	46	0.02%	0.007%
2	4.640	4.631	4.671	VV	31	335	0.11%	0.052%
3	4.678	4.671	4.704	PV	21	102	0.03%	0.016%
4	4.711	4.704	4.721	VV	13	96	0.03%	0.015%
5	4.738	4.721	4.787	VV	24	487	0.16%	0.076%
6	5.046	5.041	5.080	VV	43	610	0.20%	0.096%
7	5.113	5.080	5.122	VV	21	415	0.14%	0.065%
8	5.132	5.122	5.142	VV	30	237	0.08%	0.037%
9	5.152	5.142	5.169	VV	33	325	0.11%	0.051%
10	5.177	5.169	5.206	VV	29	341	0.11%	0.053%
11	5.231	5.206	5.239	VV	16	203	0.07%	0.032%
12	5.251	5.239	5.260	VV	34	289	0.10%	0.045%
13	5.491	5.470	5.506	VV	47	798	0.26%	0.125%
14	5.511	5.506	5.549	VV	46	579	0.19%	0.091%
15	5.558	5.549	5.585	VV	26	254	0.08%	0.040%
16	5.595	5.585	5.602	PV	8	59	0.02%	0.009%
17	5.615	5.602	5.627	VV	21	218	0.07%	0.034%
18	5.640	5.627	5.664	VV	24	325	0.11%	0.051%
19	5.684	5.664	5.692	VV	24	323	0.11%	0.051%
20	5.706	5.692	5.715	VV	40	376	0.12%	0.059%
21	5.722	5.715	5.731	VV	31	235	0.08%	0.037%
22	5.737	5.731	5.758	VV	24	251	0.08%	0.039%
23	5.784	5.758	5.796	VV	25	411	0.14%	0.064%
24	5.839	5.796	5.872	VV	34	1016	0.34%	0.159%
25	5.889	5.872	5.916	VV	27	479	0.16%	0.075%
26	5.927	5.916	5.954	VV	24	358	0.12%	0.056%
27	5.975	5.954	6.054	VV	31	1210	0.40%	0.189%
28	6.076	6.054	6.104	VV	28	456	0.15%	0.071%
29	6.167	6.104	6.180	VV	32	933	0.31%	0.146%
30	6.191	6.180	6.213	VV	30	443	0.15%	0.069%
31	6.228	6.213	6.241	VV	25	322	0.11%	0.050%
32	6.250	6.241	6.263	VV	25	263	0.09%	0.041%
33	6.299	6.263	6.307	VV	31	610	0.20%	0.095%
34	6.320	6.307	6.326	VV	30	283	0.09%	0.044%
35	6.369	6.326	6.399	VV	38	1274	0.42%	0.199%
36	6.408	6.399	6.419	VV	33	342	0.11%	0.053%

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37	6.426	6.419	6.443	VV	29	335	0.11%	0.052%	
38	6.455	6.443	6.464	VV	33	328	0.11%	0.051%	
39	6.476	6.464	6.486	VV	27	294	0.10%	0.046%	
40	6.498	6.486	6.513	VV	31	342	0.11%	0.054%	
41	6.522	6.513	6.532	VV	22	159	0.05%	0.025%	
42	6.543	6.532	6.555	VV	16	125	0.04%	0.020%	
43	6.575	6.555	6.602	PV	26	402	0.13%	0.063%	
44	6.633	6.602	6.680	VV	24	686	0.23%	0.107%	
45	6.686	6.680	6.695	VV	23	114	0.04%	0.018%	
46	6.712	6.695	6.722	VV	20	169	0.06%	0.027%	
47	6.734	6.722	6.742	VV	15	112	0.04%	0.018%	
48	6.769	6.742	6.787	VV	27	458	0.15%	0.072%	
49	6.805	6.787	6.817	VV	30	296	0.10%	0.046%	
50	6.827	6.817	6.842	VV	17	190	0.06%	0.030%	
51	6.856	6.842	6.865	VV	26	246	0.08%	0.039%	
52	6.877	6.865	6.917	VV	30	484	0.16%	0.076%	
53	6.947	6.917	6.957	VV	19	302	0.10%	0.047%	
54	6.965	6.957	6.977	VV	12	131	0.04%	0.020%	
55	7.001	6.977	7.011	VV	21	301	0.10%	0.047%	
56	7.029	7.011	7.063	VV	33	719	0.24%	0.113%	
57	7.082	7.063	7.096	VV	25	394	0.13%	0.062%	
58	7.109	7.096	7.129	VV	22	297	0.10%	0.046%	
59	7.145	7.129	7.173	VV	25	394	0.13%	0.062%	
60	7.234	7.173	7.248	VV	27	484	0.16%	0.076%	
61	7.258	7.248	7.284	VV	22	318	0.11%	0.050%	
62	7.294	7.284	7.324	VV	21	303	0.10%	0.047%	
63	7.353	7.324	7.365	VV	39	408	0.13%	0.064%	
64	7.423	7.365	7.435	VV	24	677	0.22%	0.106%	
65	7.442	7.435	7.457	VV	24	226	0.07%	0.035%	
66	7.486	7.457	7.498	VV	27	493	0.16%	0.077%	
67	7.537	7.498	7.572	VV	42	1073	0.35%	0.168%	
68	7.598	7.572	7.611	VV	30	385	0.13%	0.060%	
69	7.622	7.611	7.627	VV	19	113	0.04%	0.018%	
70	7.648	7.627	7.677	VV	27	535	0.18%	0.084%	
71	7.707	7.677	7.716	VV	30	413	0.14%	0.065%	
72	7.736	7.716	7.756	VV	22	390	0.13%	0.061%	
73	7.770	7.756	7.857	VV	30	1031	0.34%	0.161%	
74	7.874	7.857	7.894	VV	30	466	0.15%	0.073%	
75	8.044	7.894	8.075	VV	118	7633	2.52%	1.195%	
76	8.090	8.075	8.137	VV	113	3650	1.21%	0.571%	
77	8.186	8.137	8.233	VV	89	4905	1.62%	0.768%	
78	8.247	8.233	8.281	VV	105	2466	0.82%	0.386%	
79	8.288	8.281	8.306	VV	89	1216	0.40%	0.190%	
80	8.319	8.306	8.368	VV	85	2940	0.97%	0.460%	
81	8.388	8.368	8.514	VV	89	5119	1.69%	0.802%	
82	8.533	8.514	8.587	VV	40	1319	0.44%	0.206%	
83	8.597	8.587	8.613	VV	14	197	0.07%	0.031%	
84	8.791	8.613	9.043	PV	5266	302473	100.00%	47.359%	
85	9.055	9.043	9.097	VV	58	1248	0.41%	0.195%	
86	9.144	9.097	9.252	VV	36	2710	0.90%	0.424%	
87	9.270	9.252	9.286	VV	39	660	0.22%	0.103%	
88	9.340	9.286	9.356	VV	48	1235	0.41%	0.193%	
89	9.391	9.356	9.414	VV	35	821	0.27%	0.129%	

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90	9.427	9.414	9.472	VV	31	869	0.29%	0.136%
91	9.493	9.472	9.512	VV	38	681	0.23%	0.107%
92	9.528	9.512	9.553	VV	42	725	0.24%	0.114%
93	9.569	9.553	9.608	VV	43	1006	0.33%	0.158%
94	9.676	9.608	9.692	VV	49	1555	0.51%	0.244%
95	9.713	9.692	9.736	VV	38	776	0.26%	0.122%
96	9.745	9.736	9.787	VV	41	913	0.30%	0.143%
97	9.835	9.787	9.895	VV	51	2026	0.67%	0.317%
98	9.916	9.895	9.938	VV	33	689	0.23%	0.108%
99	9.959	9.938	9.995	VV	38	1105	0.37%	0.173%
100	10.015	9.995	10.032	VV	34	688	0.23%	0.108%
101	10.056	10.032	10.070	VV	39	738	0.24%	0.116%
102	10.085	10.070	10.119	VV	38	933	0.31%	0.146%
103	10.137	10.119	10.154	VV	39	693	0.23%	0.109%
104	10.398	10.154	10.552	VV	202	23816	7.87%	3.729%
105	10.608	10.552	10.635	VV	77	2741	0.91%	0.429%
106	10.658	10.635	10.705	VV	59	1955	0.65%	0.306%
107	10.738	10.705	10.761	VV	56	1400	0.46%	0.219%
108	10.770	10.761	10.786	VV	56	614	0.20%	0.096%
109	10.796	10.786	10.850	VV	38	1283	0.42%	0.201%
110	10.881	10.850	10.894	VV	44	908	0.30%	0.142%
111	10.918	10.894	10.939	VV	43	1059	0.35%	0.166%
112	10.969	10.939	11.014	VV	54	1617	0.53%	0.253%
113	11.044	11.014	11.088	VV	42	1578	0.52%	0.247%
114	11.106	11.088	11.125	VV	37	718	0.24%	0.112%
115	11.140	11.125	11.162	VV	39	763	0.25%	0.119%
116	11.194	11.162	11.212	VV	39	1039	0.34%	0.163%
117	11.226	11.212	11.248	VV	40	681	0.22%	0.107%
118	11.283	11.248	11.301	VV	46	1224	0.40%	0.192%
119	11.319	11.301	11.370	VV	38	1452	0.48%	0.227%
120	11.384	11.370	11.400	VV	48	728	0.24%	0.114%
121	11.431	11.400	11.449	VV	58	1333	0.44%	0.209%
122	11.462	11.449	11.483	VV	48	826	0.27%	0.129%
123	11.530	11.483	11.563	VV	45	1799	0.59%	0.282%
124	11.612	11.563	11.706	VV	58	3733	1.23%	0.585%
125	11.753	11.706	11.789	VV	48	1913	0.63%	0.300%
126	11.874	11.789	11.897	VV	60	2895	0.96%	0.453%
127	11.910	11.897	11.944	VV	52	1271	0.42%	0.199%
128	11.984	11.944	12.032	VV	71	2493	0.82%	0.390%
129	12.061	12.032	12.076	VV	51	1160	0.38%	0.182%
130	12.086	12.076	12.099	VV	50	597	0.20%	0.094%
131	12.128	12.099	12.140	VV	50	1112	0.37%	0.174%
132	12.168	12.140	12.193	VV	65	1577	0.52%	0.247%
133	12.220	12.193	12.258	VV	57	1863	0.62%	0.292%
134	12.292	12.258	12.348	VV	71	3050	1.01%	0.477%
135	12.370	12.348	12.431	VV	64	2765	0.91%	0.433%
136	12.485	12.431	12.503	VV	67	2524	0.83%	0.395%
137	12.524	12.503	12.548	VV	74	1679	0.56%	0.263%
138	12.615	12.548	12.659	VV	92	4854	1.60%	0.760%
139	12.753	12.659	12.776	VV	107	6145	2.03%	0.962%
140	12.817	12.776	12.832	VV	111	3401	1.12%	0.532%
141	12.906	12.832	12.973	VV	128	9083	3.00%	1.422%

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142	13.047	12.973	13.104	VV	101	6860	2.27%	1.074%	
143	13.184	13.104	13.238	VV	107	7424	2.45%	1.162%	
144	13.250	13.238	13.294	VV	96	3016	1.00%	0.472%	
145	13.357	13.294	13.394	VV	104	5698	1.88%	0.892%	
146	13.473	13.394	13.491	VV	114	5976	1.98%	0.936%	
147	13.534	13.491	13.619	VV	126	8414	2.78%	1.317%	
148	13.665	13.619	13.683	VV	110	3887	1.28%	0.609%	
149	13.709	13.683	13.731	VV	100	2712	0.90%	0.425%	
150	13.748	13.731	13.822	VV	113	5448	1.80%	0.853%	
151	13.833	13.822	13.881	VV	108	3575	1.18%	0.560%	
152	13.893	13.881	13.953	VV	108	4374	1.45%	0.685%	
153	14.125	13.953	14.290	VV	207	28372	9.38%	4.442%	
154	14.339	14.290	14.368	VV	108	4550	1.50%	0.712%	
155	14.437	14.368	14.465	VV	115	6024	1.99%	0.943%	
156	14.471	14.465	14.605	VV	107	6975	2.31%	1.092%	
157	14.614	14.605	14.660	VV	87	1905	0.63%	0.298%	
158	14.677	14.660	14.699	VV	61	1089	0.36%	0.171%	
159	14.712	14.699	14.776	VV	49	1376	0.46%	0.215%	
160	14.818	14.776	14.845	PV	37	971	0.32%	0.152%	
161	15.062	14.845	15.161	VV	92	9508	3.14%	1.489%	
162	15.172	15.161	15.217	VV	54	1571	0.52%	0.246%	
163	15.228	15.217	15.253	VV	48	937	0.31%	0.147%	
164	15.272	15.253	15.327	VV	46	1733	0.57%	0.271%	
165	15.407	15.327	15.471	VV	61	3913	1.29%	0.613%	
166	15.500	15.471	15.515	VV	45	1079	0.36%	0.169%	
167	15.529	15.515	15.601	VV	50	1714	0.57%	0.268%	
168	15.615	15.601	15.665	VV	45	1448	0.48%	0.227%	
169	15.733	15.665	15.762	VV	70	2853	0.94%	0.447%	
170	15.837	15.762	15.851	VV	85	3151	1.04%	0.493%	
171	15.865	15.851	15.888	VV	63	1193	0.39%	0.187%	
172	15.951	15.888	15.971	VV	55	2578	0.85%	0.404%	
173	15.985	15.971	16.083	VV	58	2501	0.83%	0.392%	
174	16.092	16.083	16.108	VV	42	433	0.14%	0.068%	
175	16.219	16.108	16.277	VV	76	5282	1.75%	0.827%	
176	16.295	16.277	16.394	VV	55	3226	1.07%	0.505%	
177	16.409	16.394	16.439	VV	52	1043	0.34%	0.163%	
178	16.450	16.439	16.542	VV	32	1486	0.49%	0.233%	
179	16.607	16.542	16.656	VV	24	1106	0.37%	0.173%	
180	16.714	16.656	16.767	VV	23	876	0.29%	0.137%	
181	16.787	16.767	16.853	VV	16	438	0.14%	0.069%	
182	16.868	16.853	16.884	VV	19	165	0.05%	0.026%	
183	16.946	16.884	16.981	PV	15	273	0.09%	0.043%	
				Sum of corrected areas:		638682			

FB053025.M Tue Jun 03 05:59:19 2025

Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-50	SDG No.:	Q2150
Lab Sample ID:	Q2150-06	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	86
Sample Wt/Vol:	4.96	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
FB031847.D	1	06/02/25 17:55	FB060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	13.0	J	10.0	53.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	19.5		50 - 150	97%	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\FB060225\
Data File : FB031847.D
Signal(s) : FID2B.CH
Acq On : 2 Jun 2025 17:55
Operator : YP/AJ
Sample : Q2150-06
Misc : 4.96G/5.00 ML DI WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-50

Integration File: Calibration.e
Quant Time: Jun 03 05:28:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 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	237668	19.477 ng/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

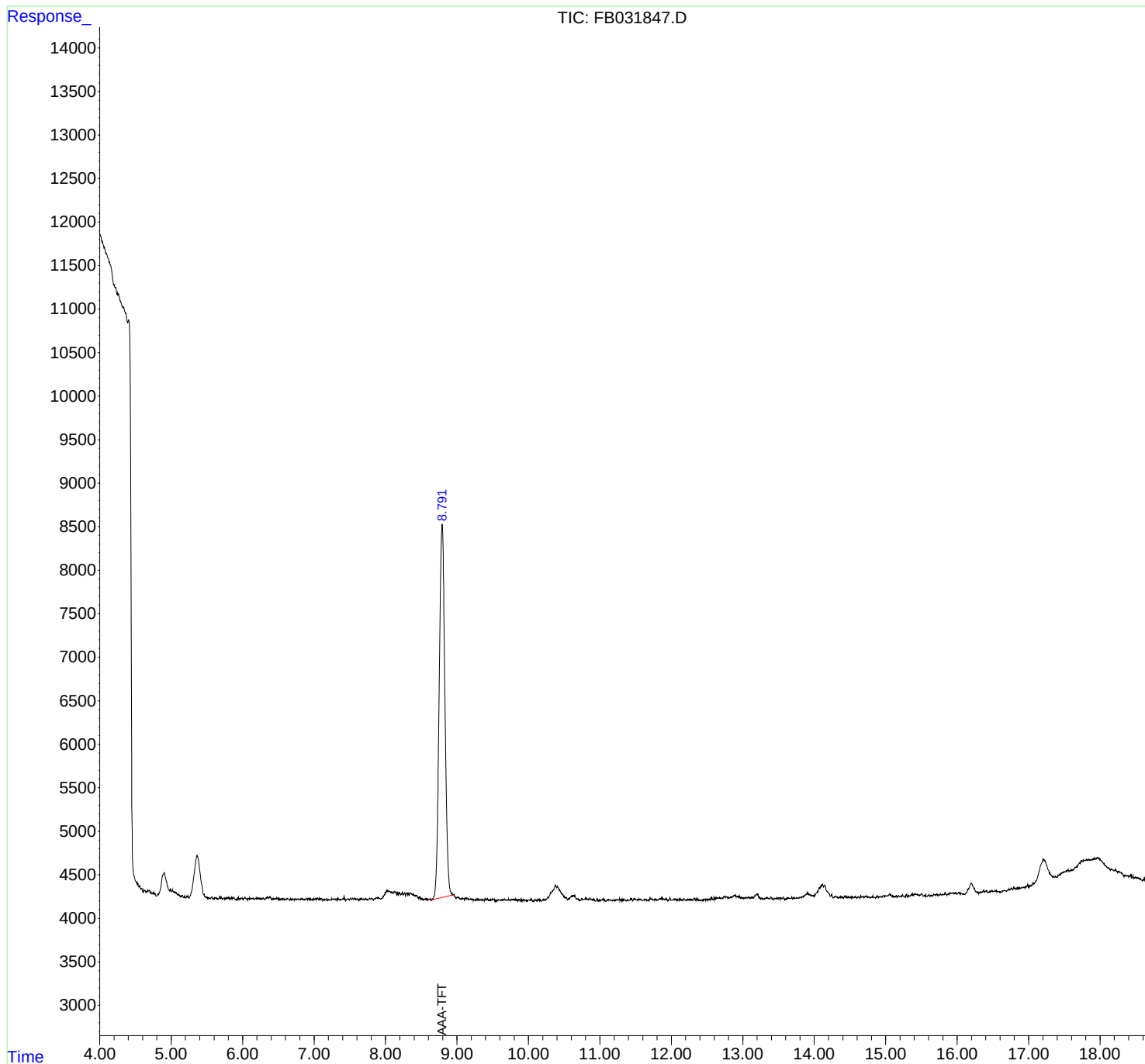
(m)=manual int.

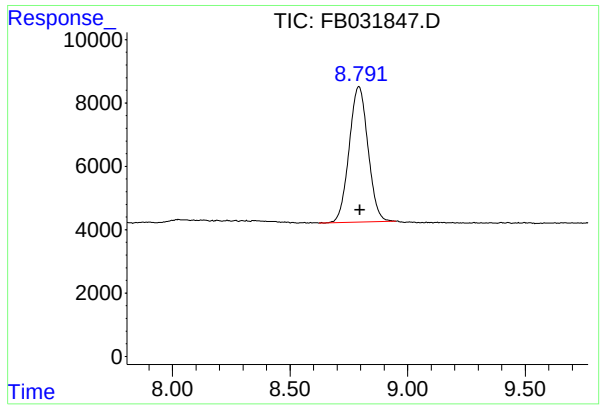
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060225\
Data File : FB031847.D
Signal(s) : FID2B.CH
Acq On : 2 Jun 2025 17:55
Operator : YP/AJ
Sample : Q2150-06
Misc : 4.96G/5.00 ML DI WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-50

Integration File: Calibration.e
Quant Time: Jun 03 05:28:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 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.: 8.793 min
Delta R.T.: -0.005 min
Response: 237668
Conc: 19.48 ng/ml

Instrument :
FID_B
ClientSampleId :
TP-50

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060225\
 Data File : FB031847.D
 Signal(s) : FID2B.CH
 Acq On : 2 Jun 2025 17:55
 Sample : Q2150-06
 Misc : 4.96G/5.00 ML DI WATER
 ALS Vial : 18 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
 Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.620	4.604	4.651	BV	15	299	0.12%	0.069%
2	4.659	4.651	4.665	VV	13	94	0.04%	0.022%
3	4.692	4.665	4.734	VV	40	959	0.39%	0.221%
4	4.747	4.734	4.795	VV	30	585	0.24%	0.135%
5	4.816	4.795	4.824	PV	29	258	0.10%	0.059%
6	4.994	4.988	5.010	VV	94	1074	0.44%	0.248%
7	5.021	5.010	5.041	VV	83	1255	0.51%	0.289%
8	5.048	5.041	5.135	VV	64	2281	0.93%	0.526%
9	5.143	5.135	5.152	VV	28	200	0.08%	0.046%
10	5.161	5.152	5.179	VV	28	236	0.10%	0.054%
11	5.189	5.179	5.208	VV	22	145	0.06%	0.033%
12	5.221	5.208	5.249	PV	24	322	0.13%	0.074%
13	5.494	5.487	5.511	VV	23	227	0.09%	0.052%
14	5.520	5.511	5.529	PV	16	91	0.04%	0.021%
15	5.537	5.529	5.551	VV	14	135	0.05%	0.031%
16	5.570	5.551	5.582	VV	25	266	0.11%	0.061%
17	5.590	5.582	5.600	VV	11	71	0.03%	0.016%
18	5.622	5.600	5.662	PV	17	372	0.15%	0.086%
19	5.675	5.662	5.691	VV	28	253	0.10%	0.058%
20	5.702	5.691	5.720	VV	22	247	0.10%	0.057%
21	5.743	5.720	5.753	VV	20	226	0.09%	0.052%
22	5.788	5.753	5.798	VV	24	404	0.16%	0.093%
23	5.809	5.798	5.818	VV	29	199	0.08%	0.046%
24	5.824	5.818	5.845	VV	16	231	0.09%	0.053%
25	5.851	5.845	5.867	VV	32	265	0.11%	0.061%
26	5.879	5.867	5.918	VV	29	335	0.14%	0.077%
27	5.945	5.918	6.014	VV	31	883	0.36%	0.204%
28	6.036	6.014	6.070	VV	28	544	0.22%	0.125%
29	6.080	6.070	6.090	PV	23	178	0.07%	0.041%
30	6.098	6.090	6.105	VV	19	149	0.06%	0.034%
31	6.121	6.105	6.131	VV	21	277	0.11%	0.064%
32	6.140	6.131	6.168	VV	24	355	0.14%	0.082%
33	6.189	6.168	6.197	VV	23	290	0.12%	0.067%
34	6.202	6.197	6.209	VV	27	140	0.06%	0.032%
35	6.221	6.209	6.233	VV	26	282	0.11%	0.065%
36	6.241	6.233	6.255	VV	25	221	0.09%	0.051%

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37	6.267	6.255	6.282	VV	21	258	0.10%	0.059%
38	6.293	6.282	6.312	VV	30	318	0.13%	0.073%
39	6.354	6.312	6.365	VV	41	831	0.34%	0.192%
40	6.385	6.365	6.410	VV	45	762	0.31%	0.176%
41	6.480	6.410	6.527	VV	27	1197	0.49%	0.276%
42	6.549	6.527	6.557	VV	24	237	0.10%	0.055%
43	6.568	6.557	6.588	VV	23	241	0.10%	0.056%
44	6.597	6.588	6.607	VV	15	115	0.05%	0.027%
45	6.626	6.607	6.633	VV	24	253	0.10%	0.058%
46	6.644	6.633	6.658	VV	20	218	0.09%	0.050%
47	6.670	6.658	6.685	VV	18	174	0.07%	0.040%
48	6.749	6.685	6.764	VV	22	681	0.28%	0.157%
49	6.774	6.764	6.811	VV	21	449	0.18%	0.104%
50	6.818	6.811	6.870	VV	26	575	0.23%	0.133%
51	6.891	6.870	6.901	VV	25	314	0.13%	0.072%
52	6.917	6.901	6.946	VV	27	563	0.23%	0.130%
53	6.953	6.946	6.961	VV	27	141	0.06%	0.032%
54	6.972	6.961	6.982	VV	18	183	0.07%	0.042%
55	6.997	6.982	7.007	VV	23	242	0.10%	0.056%
56	7.051	7.007	7.065	VV	35	772	0.31%	0.178%
57	7.074	7.065	7.117	VV	30	647	0.26%	0.149%
58	7.128	7.117	7.141	VV	24	223	0.09%	0.051%
59	7.176	7.141	7.187	VV	25	420	0.17%	0.097%
60	7.199	7.187	7.215	PV	20	194	0.08%	0.045%
61	7.225	7.215	7.234	VV	18	149	0.06%	0.034%
62	7.274	7.234	7.282	VV	26	578	0.23%	0.133%
63	7.290	7.282	7.318	VV	23	409	0.17%	0.094%
64	7.326	7.318	7.333	VV	24	183	0.07%	0.042%
65	7.341	7.333	7.360	VV	25	315	0.13%	0.073%
66	7.368	7.360	7.376	VV	16	148	0.06%	0.034%
67	7.405	7.376	7.413	VV	28	458	0.19%	0.106%
68	7.423	7.413	7.446	VV	54	518	0.21%	0.120%
69	7.474	7.446	7.495	VV	25	550	0.22%	0.127%
70	7.516	7.495	7.527	VV	35	465	0.19%	0.107%
71	7.539	7.527	7.555	VV	29	395	0.16%	0.091%
72	7.564	7.555	7.589	VV	36	519	0.21%	0.120%
73	7.602	7.589	7.624	VV	28	431	0.18%	0.099%
74	7.663	7.624	7.672	VV	37	654	0.27%	0.151%
75	7.677	7.672	7.687	VV	23	185	0.08%	0.043%
76	7.698	7.687	7.707	VV	29	257	0.10%	0.059%
77	7.725	7.707	7.736	VV	27	353	0.14%	0.081%
78	7.744	7.736	7.761	VV	25	268	0.11%	0.062%
79	7.778	7.761	7.791	VV	36	433	0.18%	0.100%
80	7.807	7.791	7.833	VV	34	608	0.25%	0.140%
81	7.875	7.833	7.935	VV	41	1897	0.77%	0.438%
82	8.027	7.935	8.037	VV	128	4565	1.85%	1.053%
83	8.042	8.037	8.078	VV	116	2669	1.08%	0.616%
84	8.091	8.078	8.110	VV	108	1934	0.79%	0.446%
85	8.123	8.110	8.160	VV	110	2931	1.19%	0.676%
86	8.170	8.160	8.178	VV	96	879	0.36%	0.203%
87	8.191	8.178	8.212	VV	99	1794	0.73%	0.414%
88	8.234	8.212	8.253	VV	101	2035	0.83%	0.469%
89	8.270	8.253	8.282	VV	95	1445	0.59%	0.333%

90	8.297	8.282	8.311	VV	94	1424	0.58%	0.329%
91	8.316	8.311	8.334	VV	89	1044	0.42%	0.241%
92	8.342	8.334	8.422	VV	96	4021	1.63%	0.928%
93	8.433	8.422	8.462	VV	67	1329	0.54%	0.307%
94	8.479	8.462	8.503	VV	48	956	0.39%	0.221%
95	8.512	8.503	8.534	VV	34	450	0.18%	0.104%
96	8.562	8.534	8.571	VV	34	500	0.20%	0.115%
97	8.589	8.571	8.610	VV	30	490	0.20%	0.113%
98	8.615	8.610	8.624	VV	24	178	0.07%	0.041%
99	8.793	8.624	8.947	VV	4329	246294	100.00%	56.820%
100	8.957	8.947	8.991	VV	82	1508	0.61%	0.348%
101	9.008	8.991	9.021	VV	50	794	0.32%	0.183%
102	9.028	9.021	9.055	VV	44	714	0.29%	0.165%
103	9.064	9.055	9.071	VV	35	281	0.11%	0.065%
104	9.080	9.071	9.109	VV	42	706	0.29%	0.163%
105	9.126	9.109	9.180	VV	41	1263	0.51%	0.291%
106	9.191	9.180	9.231	VV	31	669	0.27%	0.154%
107	9.237	9.231	9.269	VV	20	385	0.16%	0.089%
108	9.282	9.269	9.304	VV	35	444	0.18%	0.102%
109	9.313	9.304	9.341	VV	23	397	0.16%	0.092%
110	9.353	9.341	9.382	VV	29	443	0.18%	0.102%
111	9.397	9.382	9.419	VV	36	515	0.21%	0.119%
112	9.427	9.419	9.444	VV	38	324	0.13%	0.075%
113	9.472	9.444	9.485	VV	30	410	0.17%	0.095%
114	9.496	9.485	9.511	VV	34	346	0.14%	0.080%
115	9.522	9.511	9.532	VV	26	259	0.11%	0.060%
116	9.536	9.532	9.544	VV	18	65	0.03%	0.015%
117	9.583	9.544	9.614	VV	18	506	0.21%	0.117%
118	9.671	9.614	9.687	VV	27	820	0.33%	0.189%
119	9.701	9.687	9.716	VV	22	299	0.12%	0.069%
120	9.725	9.716	9.745	VV	25	301	0.12%	0.069%
121	9.799	9.745	9.814	VV	28	840	0.34%	0.194%
122	9.820	9.814	9.854	VV	30	441	0.18%	0.102%
123	9.868	9.854	9.889	VV	23	340	0.14%	0.079%
124	9.899	9.889	9.919	VV	32	272	0.11%	0.063%
125	9.930	9.919	9.939	VV	28	221	0.09%	0.051%
126	9.952	9.939	9.981	VV	21	358	0.15%	0.083%
127	10.002	9.981	10.021	VV	20	359	0.15%	0.083%
128	10.039	10.021	10.061	VV	35	443	0.18%	0.102%
129	10.093	10.061	10.119	PV	26	386	0.16%	0.089%
130	10.141	10.119	10.154	VV	25	321	0.13%	0.074%
131	10.163	10.154	10.181	VV	29	179	0.07%	0.041%
132	10.216	10.181	10.235	VV	29	520	0.21%	0.120%
133	10.273	10.235	10.281	VV	49	802	0.33%	0.185%
134	10.379	10.281	10.399	VV	186	8430	3.42%	1.945%
135	10.408	10.399	10.550	VV	169	7660	3.11%	1.767%
136	10.616	10.550	10.687	VV	63	3331	1.35%	0.768%
137	10.694	10.687	10.732	VV	25	339	0.14%	0.078%
138	10.746	10.732	10.765	VV	25	318	0.13%	0.073%
139	10.801	10.765	10.809	VV	35	516	0.21%	0.119%
140	10.818	10.809	10.841	VV	28	342	0.14%	0.079%
141	10.850	10.841	10.917	VB	30	597	0.24%	0.138%

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142	10.963	10.917	10.989	BV	27	151	0.06%	0.035%
143	10.998	10.989	11.009	PV	13	86	0.03%	0.020%
144	11.040	11.009	11.089	PV	25	504	0.20%	0.116%
145	11.101	11.089	11.113	PV	14	162	0.07%	0.037%
146	11.125	11.113	11.145	VV	19	293	0.12%	0.068%
147	11.153	11.145	11.171	VV	17	163	0.07%	0.038%
148	11.182	11.171	11.198	VV	17	187	0.08%	0.043%
149	11.205	11.198	11.214	VV	17	88	0.04%	0.020%
150	11.277	11.214	11.298	PV	32	754	0.31%	0.174%
151	11.303	11.298	11.326	VV	18	172	0.07%	0.040%
152	11.335	11.326	11.378	VV	25	358	0.15%	0.083%
153	11.390	11.378	11.400	VV	15	132	0.05%	0.030%
154	11.430	11.400	11.437	VV	30	351	0.14%	0.081%
155	11.444	11.437	11.461	VV	24	255	0.10%	0.059%
156	11.495	11.461	11.517	VV	29	633	0.26%	0.146%
157	11.529	11.517	11.537	VV	18	180	0.07%	0.041%
158	11.549	11.537	11.557	VV	29	227	0.09%	0.052%
159	11.564	11.557	11.596	VV	22	309	0.13%	0.071%
160	11.616	11.596	11.626	VV	16	190	0.08%	0.044%
161	11.641	11.626	11.680	VV	22	436	0.18%	0.101%
162	11.704	11.680	11.718	VV	37	423	0.17%	0.098%
163	11.728	11.718	11.746	VV	28	325	0.13%	0.075%
164	11.787	11.746	11.798	VV	20	447	0.18%	0.103%
165	11.837	11.798	11.849	VV	29	557	0.23%	0.128%
166	11.865	11.849	11.902	VV	35	752	0.31%	0.173%
167	11.910	11.902	11.917	VV	23	160	0.07%	0.037%
168	11.926	11.917	11.936	VV	26	224	0.09%	0.052%
169	11.940	11.936	11.962	VV	16	110	0.04%	0.025%
170	11.981	11.962	11.997	VV	36	391	0.16%	0.090%
171	12.008	11.997	12.017	VV	12	115	0.05%	0.026%
172	12.038	12.017	12.046	VV	25	235	0.10%	0.054%
173	12.074	12.046	12.107	VV	23	488	0.20%	0.113%
174	12.121	12.107	12.136	VV	27	270	0.11%	0.062%
175	12.147	12.136	12.161	VV	9	124	0.05%	0.029%
176	12.176	12.161	12.213	VV	24	380	0.15%	0.088%
177	12.231	12.213	12.244	VV	17	219	0.09%	0.051%
178	12.253	12.244	12.259	VV	20	124	0.05%	0.028%
179	12.264	12.259	12.275	VV	18	110	0.04%	0.025%
180	12.281	12.275	12.300	VV	18	170	0.07%	0.039%
181	12.319	12.300	12.337	VV	27	316	0.13%	0.073%
182	12.345	12.337	12.361	VV	25	176	0.07%	0.041%
183	12.370	12.361	12.406	VV	19	230	0.09%	0.053%
184	12.427	12.406	12.436	PV	11	114	0.05%	0.026%
185	12.443	12.436	12.447	PV	11	45	0.02%	0.010%
186	12.556	12.447	12.584	VV	37	1220	0.50%	0.281%
187	12.597	12.584	12.625	VV	32	490	0.20%	0.113%
188	12.635	12.625	12.645	VV	35	315	0.13%	0.073%
189	12.659	12.645	12.668	VV	32	386	0.16%	0.089%
190	12.677	12.668	12.691	VV	34	387	0.16%	0.089%
191	12.747	12.691	12.756	VV	48	1271	0.52%	0.293%
192	12.767	12.756	12.812	VV	45	1192	0.48%	0.275%
193	12.900	12.812	12.971	VV	62	4020	1.63%	0.927%
194	12.977	12.971	12.992	VV	42	383	0.16%	0.088%

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195	13.006	12.992	13.029	VV	32	559	0.23%	0.129%
196	13.039	13.029	13.060	VV	35	526	0.21%	0.121%
197	13.084	13.060	13.099	VV	37	700	0.28%	0.162%
198	13.144	13.099	13.152	VV	35	863	0.35%	0.199%
199	13.193	13.152	13.201	VV	70	1537	0.62%	0.355%
200	13.210	13.201	13.252	VV	74	1228	0.50%	0.283%
201	13.260	13.252	13.293	VV	26	431	0.17%	0.099%
202	13.344	13.293	13.363	VV	25	811	0.33%	0.187%
203	13.394	13.363	13.409	VV	35	606	0.25%	0.140%
204	13.416	13.409	13.436	VV	21	223	0.09%	0.051%
205	13.476	13.436	13.494	VV	29	608	0.25%	0.140%
206	13.512	13.494	13.522	VV	27	365	0.15%	0.084%
207	13.537	13.522	13.549	VV	23	329	0.13%	0.076%
208	13.565	13.549	13.593	VV	34	463	0.19%	0.107%
209	13.604	13.593	13.608	PV	13	73	0.03%	0.017%
210	13.614	13.608	13.646	VV	19	380	0.15%	0.088%
211	13.653	13.646	13.666	VV	21	202	0.08%	0.047%
212	13.688	13.666	13.697	VV	31	350	0.14%	0.081%
213	13.707	13.697	13.742	VV	25	486	0.20%	0.112%
214	13.766	13.742	13.775	VV	23	377	0.15%	0.087%
215	13.808	13.775	13.819	VV	29	604	0.25%	0.139%
216	13.845	13.819	13.854	VV	42	652	0.26%	0.150%
217	13.903	13.854	13.965	VV	75	3660	1.49%	0.844%
218	13.974	13.965	13.979	VV	47	362	0.15%	0.083%
219	13.986	13.979	13.994	VV	47	380	0.15%	0.088%
220	14.116	13.994	14.131	VV	174	8833	3.59%	2.038%
221	14.143	14.131	14.223	VV	163	5681	2.31%	1.311%
222	14.242	14.223	14.266	VV	49	867	0.35%	0.200%
223	14.292	14.266	14.318	VV	33	731	0.30%	0.169%
224	14.326	14.318	14.335	VV	29	204	0.08%	0.047%
225	14.368	14.335	14.385	VV	27	497	0.20%	0.115%
226	14.391	14.385	14.415	VV	27	308	0.12%	0.071%
227	14.430	14.415	14.461	VV	31	600	0.24%	0.138%
228	14.489	14.461	14.505	VV	24	443	0.18%	0.102%
229	14.515	14.505	14.535	VV	24	294	0.12%	0.068%
230	14.543	14.535	14.554	VV	23	197	0.08%	0.046%
231	14.576	14.554	14.586	VV	21	314	0.13%	0.072%
232	14.591	14.586	14.600	VV	16	89	0.04%	0.020%
233	14.611	14.600	14.618	PV	19	143	0.06%	0.033%
234	14.627	14.618	14.638	VV	21	171	0.07%	0.039%
235	14.653	14.638	14.673	VV	27	379	0.15%	0.088%
236	14.683	14.673	14.697	VV	27	265	0.11%	0.061%
237	14.720	14.697	14.739	VV	28	475	0.19%	0.110%
238	14.818	14.739	14.828	VV	27	695	0.28%	0.160%
239	14.839	14.828	14.861	VV	11	155	0.06%	0.036%
240	14.887	14.861	14.900	VV	27	327	0.13%	0.076%
241	14.935	14.900	14.945	VV	20	407	0.17%	0.094%
242	14.963	14.945	14.984	VV	28	509	0.21%	0.117%
243	14.998	14.984	15.011	VV	25	344	0.14%	0.079%
244	15.052	15.011	15.087	VV	47	1415	0.57%	0.326%
245	15.095	15.087	15.124	VV	27	412	0.17%	0.095%
246	15.141	15.124	15.162	VV	21	335	0.14%	0.077%

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247	15.183	15.162	15.193	VV	25	294	0.12%	0.068%	
248	15.235	15.193	15.274	VV	30	872	0.35%	0.201%	
249	15.291	15.274	15.318	PV	37	481	0.20%	0.111%	
250	15.328	15.318	15.337	VV	23	207	0.08%	0.048%	
251	15.362	15.337	15.372	VV	37	502	0.20%	0.116%	
252	15.380	15.372	15.393	VV	32	348	0.14%	0.080%	
253	15.416	15.393	15.439	VV	40	891	0.36%	0.206%	
254	15.447	15.439	15.471	VV	35	480	0.20%	0.111%	
255	15.479	15.471	15.486	VV	24	186	0.08%	0.043%	
256	15.503	15.486	15.526	VV	37	582	0.24%	0.134%	
257	15.608	15.526	15.619	VV	22	624	0.25%	0.144%	
258	15.634	15.619	15.657	PV	11	163	0.07%	0.038%	
259	15.677	15.657	15.701	PV	20	393	0.16%	0.091%	
260	15.715	15.701	15.751	VV	19	470	0.19%	0.109%	
261	15.833	15.751	15.857	VV	40	984	0.40%	0.227%	
262	15.900	15.857	15.959	VV	32	1318	0.54%	0.304%	
263	15.981	15.959	15.999	VV	31	519	0.21%	0.120%	
264	16.037	15.999	16.102	VV	30	901	0.37%	0.208%	
265	16.198	16.102	16.313	PV	124	6681	2.71%	1.541%	
266	16.370	16.313	16.389	VV	37	818	0.33%	0.189%	
267	16.410	16.389	16.444	VV	25	597	0.24%	0.138%	
268	16.482	16.444	16.506	VV	18	630	0.26%	0.145%	
269	16.551	16.506	16.615	VV	26	871	0.35%	0.201%	
270	16.662	16.615	16.689	PV	14	389	0.16%	0.090%	
271	16.762	16.689	16.778	VV	27	688	0.28%	0.159%	
272	16.795	16.778	16.825	VV	36	409	0.17%	0.094%	
273	16.840	16.825	16.862	VV	22	218	0.09%	0.050%	
274	16.875	16.862	16.891	PV	11	176	0.07%	0.041%	
275	16.988	16.891	17.001	PBA	27	586	0.24%	0.135%	

Sum of corrected areas: 433467

FB053025.M Tue Jun 03 05:59:55 2025

Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-51	SDG No.:	Q2150
Lab Sample ID:	Q2150-07	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	83.7
Sample Wt/Vol:	5.9	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
FB031848.D	1	06/02/25 18:23	FB060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	19.0	J	8.00	46.0	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\FB060225\
Data File : FB031848.D
Signal(s) : FID2B.CH
Acq On : 2 Jun 2025 18:23
Operator : YP/AJ
Sample : Q2150-07
Misc : 5.90G/5.00 ML DI WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-51

Integration File: Calibration.e
Quant Time: Jun 03 05:28:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
5) s AAA-TFT	8.792	222047	18.197 ng/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

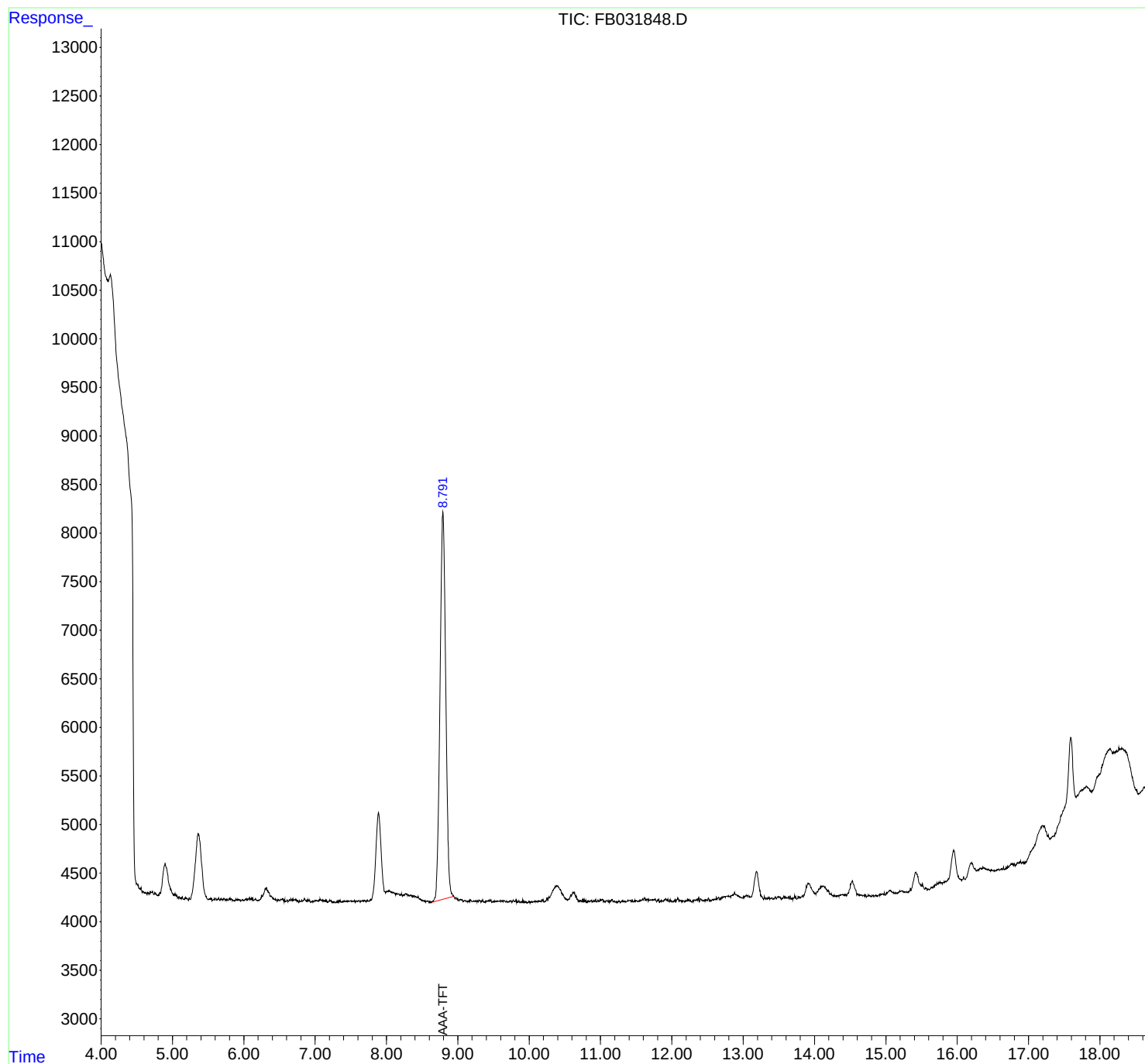
(m)=manual int.

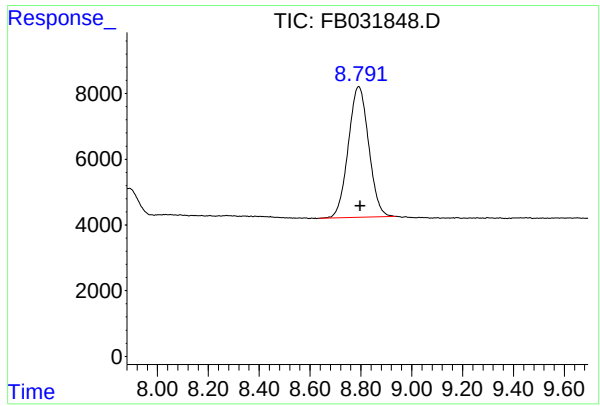
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060225\
Data File : FB031848.D
Signal(s) : FID2B.CH
Acq On : 2 Jun 2025 18:23
Operator : YP/AJ
Sample : Q2150-07
Misc : 5.90G/5.00 ML DI WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-51

Integration File: Calibration.e
Quant Time: Jun 03 05:28:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 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.: 8.792 min
Delta R.T.: -0.005 min
Response: 222047
Conc: 18.20 ng/ml

Instrument :
FID_B
ClientSampleId :
TP-51

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060225\
 Data File : FB031848.D
 Signal(s) : FID2B.CH
 Acq On : 2 Jun 2025 18:23
 Sample : Q2150-07
 Misc : 5.90G/5.00 ML DI WATER
 ALS Vial : 19 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
 Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.653	4.604	4.679	BV	14	160	0.07%	0.030%
2	4.690	4.679	4.711	PV	31	399	0.17%	0.074%
3	4.722	4.711	4.740	VV	34	310	0.13%	0.058%
4	4.752	4.740	4.810	VV	26	278	0.12%	0.052%
5	4.825	4.810	4.832	PV	28	258	0.11%	0.048%
6	5.037	5.027	5.084	VV	44	951	0.41%	0.177%
7	5.094	5.084	5.113	VV	23	229	0.10%	0.042%
8	5.125	5.113	5.132	VV	18	158	0.07%	0.029%
9	5.140	5.132	5.165	VV	29	224	0.10%	0.042%
10	5.181	5.165	5.225	VV	26	534	0.23%	0.099%
11	5.236	5.225	5.251	PV	24	222	0.10%	0.041%
12	5.545	5.500	5.557	VV	26	613	0.27%	0.114%
13	5.586	5.557	5.597	VV	24	325	0.14%	0.060%
14	5.610	5.597	5.624	VV	27	309	0.13%	0.057%
15	5.648	5.624	5.664	VV	30	439	0.19%	0.082%
16	5.684	5.664	5.692	VV	25	303	0.13%	0.056%
17	5.700	5.692	5.709	VV	23	194	0.08%	0.036%
18	5.721	5.709	5.753	VV	31	505	0.22%	0.094%
19	5.767	5.753	5.780	VV	24	264	0.11%	0.049%
20	5.805	5.780	5.814	VV	28	397	0.17%	0.074%
21	5.825	5.814	5.865	VV	28	468	0.20%	0.087%
22	5.891	5.865	5.909	VV	23	371	0.16%	0.069%
23	5.918	5.909	5.958	VV	25	483	0.21%	0.090%
24	5.966	5.958	5.971	VV	13	82	0.04%	0.015%
25	5.983	5.971	6.007	VV	21	307	0.13%	0.057%
26	6.035	6.007	6.045	VV	32	493	0.21%	0.092%
27	6.078	6.045	6.093	VV	37	758	0.33%	0.141%
28	6.112	6.093	6.136	VV	39	739	0.32%	0.137%
29	6.167	6.136	6.196	VV	30	737	0.32%	0.137%
30	6.204	6.196	6.210	VV	18	129	0.06%	0.024%
31	6.318	6.210	6.469	VV	150	10282	4.46%	1.911%
32	6.478	6.469	6.494	VV	28	341	0.15%	0.063%
33	6.540	6.494	6.594	VV	38	1394	0.61%	0.259%
34	6.609	6.594	6.628	VV	26	326	0.14%	0.061%
35	6.640	6.628	6.650	VV	32	291	0.13%	0.054%
36	6.663	6.650	6.679	VV	33	486	0.21%	0.090%

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37	6.690	6.679	6.772	VV	39	1292	0.56%	0.240%
38	6.781	6.772	6.791	PV	22	139	0.06%	0.026%
39	6.812	6.791	6.822	VV	28	305	0.13%	0.057%
40	6.851	6.822	6.882	VV	43	889	0.39%	0.165%
41	6.910	6.882	6.941	VV	28	652	0.28%	0.121%
42	6.997	6.941	7.006	VV	20	579	0.25%	0.108%
43	7.018	7.006	7.042	VV	26	471	0.20%	0.088%
44	7.072	7.042	7.091	VV	38	809	0.35%	0.150%
45	7.102	7.091	7.131	VV	31	567	0.25%	0.105%
46	7.139	7.131	7.148	VV	27	209	0.09%	0.039%
47	7.156	7.148	7.176	VV	26	283	0.12%	0.053%
48	7.205	7.176	7.279	VV	26	809	0.35%	0.150%
49	7.286	7.279	7.295	VV	8	49	0.02%	0.009%
50	7.313	7.295	7.323	PV	18	171	0.07%	0.032%
51	7.351	7.323	7.362	VV	28	379	0.16%	0.070%
52	7.378	7.362	7.386	VV	17	155	0.07%	0.029%
53	7.409	7.386	7.437	VV	20	477	0.21%	0.089%
54	7.448	7.437	7.470	VV	23	335	0.15%	0.062%
55	7.505	7.470	7.516	VV	26	510	0.22%	0.095%
56	7.551	7.516	7.571	VV	25	572	0.25%	0.106%
57	7.578	7.571	7.601	VV	22	338	0.15%	0.063%
58	7.611	7.601	7.646	VV	24	461	0.20%	0.086%
59	7.693	7.646	7.719	VV	30	904	0.39%	0.168%
60	7.738	7.719	7.747	VV	29	362	0.16%	0.067%
61	7.753	7.747	7.759	VV	22	149	0.06%	0.028%
62	7.891	7.759	7.997	VV	926	51484	22.35%	9.568%
63	8.005	7.997	8.019	VV	121	1544	0.67%	0.287%
64	8.034	8.019	8.081	VV	130	4382	1.90%	0.814%
65	8.090	8.081	8.125	VV	115	2723	1.18%	0.506%
66	8.134	8.125	8.142	VV	100	1013	0.44%	0.188%
67	8.149	8.142	8.162	VV	96	1118	0.49%	0.208%
68	8.174	8.162	8.189	VV	97	1417	0.62%	0.263%
69	8.208	8.189	8.229	VV	95	2027	0.88%	0.377%
70	8.244	8.229	8.252	VV	86	1130	0.49%	0.210%
71	8.273	8.252	8.282	VV	100	1630	0.71%	0.303%
72	8.287	8.282	8.331	VV	93	2417	1.05%	0.449%
73	8.344	8.331	8.362	VV	83	1430	0.62%	0.266%
74	8.370	8.362	8.399	VV	78	1569	0.68%	0.292%
75	8.405	8.399	8.514	VV	72	3265	1.42%	0.607%
76	8.522	8.514	8.551	VV	28	467	0.20%	0.087%
77	8.561	8.551	8.570	VV	22	213	0.09%	0.040%
78	8.584	8.570	8.596	VV	22	286	0.12%	0.053%
79	8.609	8.596	8.627	VV	19	230	0.10%	0.043%
80	8.792	8.627	8.963	VV	4026	230310	100.00%	42.804%
81	8.975	8.963	9.017	VV	59	1402	0.61%	0.261%
82	9.033	9.017	9.080	VV	38	1193	0.52%	0.222%
83	9.098	9.080	9.152	VV	26	962	0.42%	0.179%
84	9.180	9.152	9.200	VV	33	688	0.30%	0.128%
85	9.228	9.200	9.252	VV	26	632	0.27%	0.118%
86	9.258	9.252	9.291	VV	30	483	0.21%	0.090%
87	9.302	9.291	9.326	VV	28	517	0.22%	0.096%
88	9.347	9.326	9.377	VV	34	556	0.24%	0.103%
89	9.450	9.377	9.481	VV	36	1371	0.60%	0.255%

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90	9.593	9.481	9.634	VV	29	1811	0.79%	0.337%
91	9.652	9.634	9.717	VV	30	932	0.40%	0.173%
92	9.780	9.717	9.797	VV	37	1086	0.47%	0.202%
93	9.814	9.797	9.839	VV	35	552	0.24%	0.103%
94	9.858	9.839	9.873	VV	29	357	0.15%	0.066%
95	9.908	9.873	9.971	VV	33	792	0.34%	0.147%
96	10.002	9.971	10.029	PV	19	440	0.19%	0.082%
97	10.091	10.029	10.126	VV	19	971	0.42%	0.180%
98	10.180	10.126	10.210	VV	35	1171	0.51%	0.218%
99	10.396	10.210	10.546	VV	178	18896	8.20%	3.512%
100	10.624	10.546	10.738	VV	110	6544	2.84%	1.216%
101	10.746	10.738	10.808	VV	34	822	0.36%	0.153%
102	10.868	10.808	10.889	VV	23	812	0.35%	0.151%
103	10.933	10.889	10.953	VV	33	673	0.29%	0.125%
104	11.030	10.953	11.064	VV	37	1525	0.66%	0.283%
105	11.093	11.064	11.139	VV	24	700	0.30%	0.130%
106	11.164	11.139	11.233	VV	34	860	0.37%	0.160%
107	11.262	11.233	11.279	VV	20	231	0.10%	0.043%
108	11.307	11.279	11.358	VV	22	621	0.27%	0.115%
109	11.416	11.358	11.459	VV	23	1019	0.44%	0.189%
110	11.501	11.459	11.526	VV	21	609	0.26%	0.113%
111	11.615	11.526	11.649	VV	43	1862	0.81%	0.346%
112	11.660	11.649	11.696	VV	38	775	0.34%	0.144%
113	11.766	11.696	11.788	VV	39	1440	0.63%	0.268%
114	11.817	11.788	11.852	VV	30	654	0.28%	0.122%
115	11.915	11.852	11.966	VV	37	1348	0.59%	0.250%
116	11.976	11.966	12.022	VV	30	475	0.21%	0.088%
117	12.043	12.022	12.059	VV	30	363	0.16%	0.067%
118	12.085	12.059	12.152	VV	31	1035	0.45%	0.192%
119	12.167	12.152	12.183	VV	13	214	0.09%	0.040%
120	12.224	12.183	12.280	VV	32	921	0.40%	0.171%
121	12.373	12.280	12.389	PV	39	1312	0.57%	0.244%
122	12.406	12.389	12.450	VV	31	692	0.30%	0.129%
123	12.513	12.450	12.553	VV	41	1052	0.46%	0.196%
124	12.655	12.553	12.688	VV	43	1985	0.86%	0.369%
125	12.792	12.688	12.829	VV	57	3813	1.66%	0.709%
126	12.882	12.829	12.987	VV	89	5156	2.24%	0.958%
127	13.068	12.987	13.100	VV	54	2857	1.24%	0.531%
128	13.188	13.100	13.287	VV	299	14577	6.33%	2.709%
129	13.301	13.287	13.355	VV	28	722	0.31%	0.134%
130	13.363	13.355	13.388	VV	22	339	0.15%	0.063%
131	13.403	13.388	13.421	VV	21	297	0.13%	0.055%
132	13.452	13.421	13.467	VV	28	496	0.22%	0.092%
133	13.488	13.467	13.540	VV	33	984	0.43%	0.183%
134	13.571	13.540	13.680	VV	38	1497	0.65%	0.278%
135	13.723	13.680	13.752	PV	33	514	0.22%	0.095%
136	13.789	13.752	13.806	PV	24	483	0.21%	0.090%
137	13.915	13.806	14.009	VV	158	10465	4.54%	1.945%
138	14.122	14.009	14.304	VV	128	12704	5.52%	2.361%
139	14.392	14.304	14.417	VV	33	1707	0.74%	0.317%
140	14.434	14.417	14.448	VV	35	539	0.23%	0.100%
141	14.532	14.448	14.738	VV	166	9875	4.29%	1.835%

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142	14.768	14.738	14.802	VV	19	344	0.15%	0.064%	
143	14.816	14.802	14.834	VV	8	158	0.07%	0.029%	
144	14.977	14.834	14.994	PV	26	1021	0.44%	0.190%	
145	15.054	14.994	15.139	PV	45	2187	0.95%	0.406%	
146	15.231	15.139	15.284	VV	26	1256	0.55%	0.233%	
147	15.421	15.284	15.548	VV	197	11654	5.06%	2.166%	
148	15.560	15.548	15.611	VV	23	437	0.19%	0.081%	
149	15.644	15.611	15.657	PV	19	334	0.15%	0.062%	
150	15.952	15.657	16.066	VV	341	21808	9.47%	4.053%	
151	16.092	16.066	16.110	VV	38	499	0.22%	0.093%	
152	16.197	16.110	16.275	VV	161	9339	4.06%	1.736%	
153	16.363	16.275	16.469	VV	84	7411	3.22%	1.377%	
154	16.481	16.469	16.533	VV	33	919	0.40%	0.171%	
155	16.581	16.533	16.597	VV	24	639	0.28%	0.119%	
156	16.651	16.597	16.664	VV	28	524	0.23%	0.097%	
157	16.758	16.664	16.786	PV	45	1629	0.71%	0.303%	
158	16.801	16.786	16.817	VV	31	440	0.19%	0.082%	
159	16.886	16.817	16.905	VV	35	1478	0.64%	0.275%	
160	16.920	16.905	16.936	VV	24	324	0.14%	0.060%	

Sum of corrected areas: 538060

FB053025.M Tue Jun 03 06:00:35 2025

Report of Analysis

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-52	SDG No.:	Q2150
Lab Sample ID:	Q2150-08	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	85.7
Sample Wt/Vol:	6.25	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
FB031849.D	1	06/02/25 18:50	FB060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	36.0	J	8.00	42.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	20.7		50 - 150	103%	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\FB060225\
Data File : FB031849.D
Signal(s) : FID2B.CH
Acq On : 2 Jun 2025 18:50
Operator : YP/AJ
Sample : Q2150-08
Misc : 6.25G/5.00 ML DI WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-52

Integration File: Calibration.e
Quant Time: Jun 03 05:28:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
5) s AAA-TFT	8.792	252429	20.687 ng/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

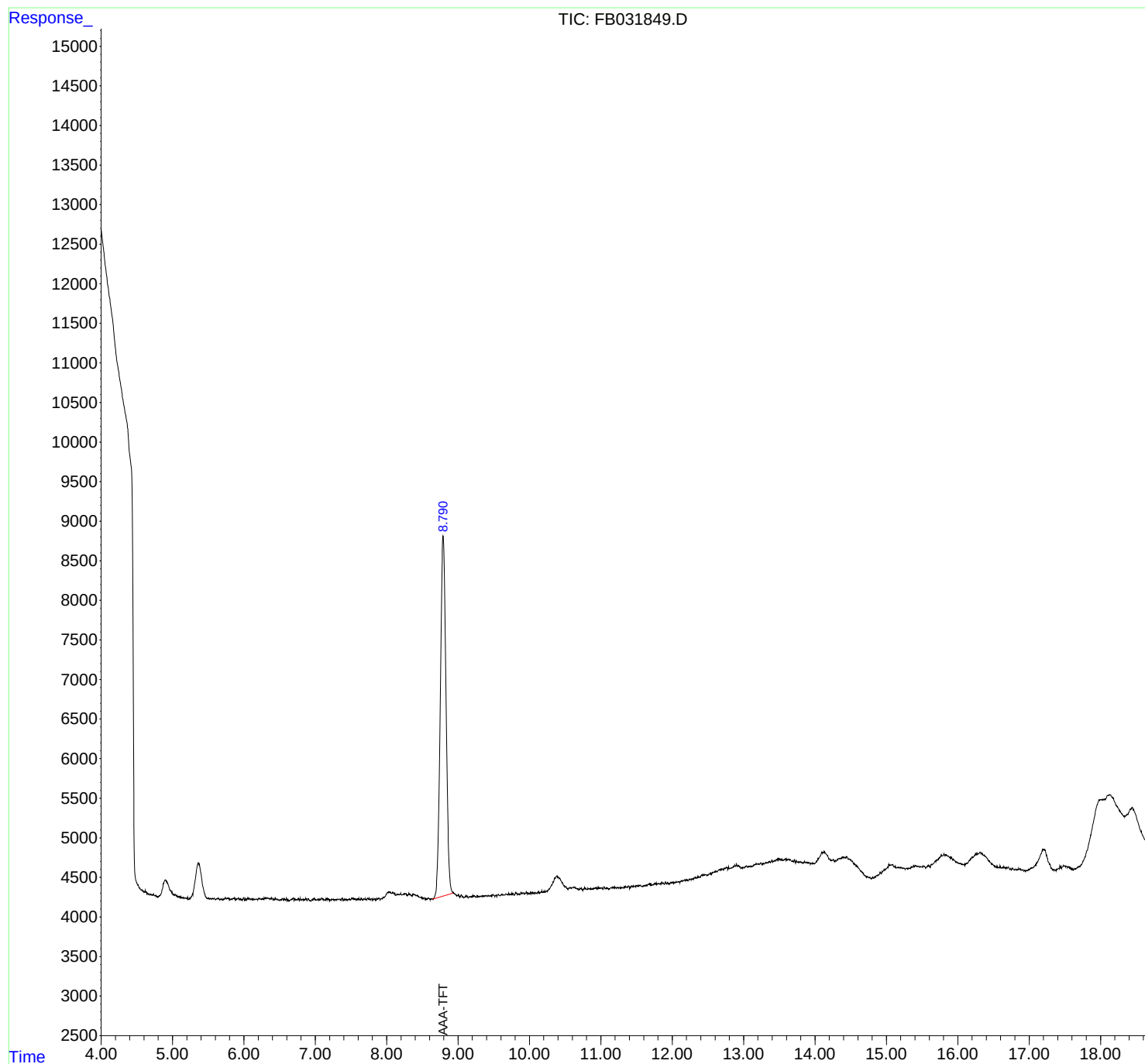
(m)=manual int.

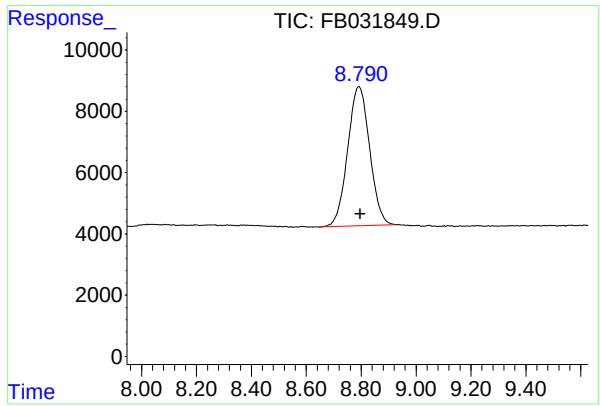
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060225\
Data File : FB031849.D
Signal(s) : FID2B.CH
Acq On : 2 Jun 2025 18:50
Operator : YP/AJ
Sample : Q2150-08
Misc : 6.25G/5.00 ML DI WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-52

Integration File: Calibration.e
Quant Time: Jun 03 05:28:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 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.: 8.792 min
Delta R.T.: -0.006 min
Response: 252429
Conc: 20.69 ng/ml

Instrument :
FID_B
ClientSampleId :
TP-52

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060225\
 Data File : FB031849.D
 Signal(s) : FID2B.CH
 Acq On : 2 Jun 2025 18:50
 Sample : Q2150-08
 Misc : 6.25G/5.00 ML DI WATER
 ALS Vial : 20 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
 Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.618	4.604	4.646	BV	29	314	0.12%	0.034%
2	4.655	4.646	4.723	PV	20	412	0.16%	0.045%
3	4.734	4.723	4.763	VV	24	259	0.10%	0.028%
4	4.767	4.763	4.799	VV	18	167	0.06%	0.018%
5	5.038	5.027	5.072	VV	54	1039	0.40%	0.113%
6	5.097	5.072	5.147	VV	33	920	0.35%	0.100%
7	5.156	5.147	5.165	VV	24	170	0.07%	0.019%
8	5.176	5.165	5.197	VV	18	261	0.10%	0.028%
9	5.214	5.197	5.230	VV	28	250	0.10%	0.027%
10	5.239	5.230	5.244	PV	15	56	0.02%	0.006%
11	5.533	5.522	5.552	VV	22	266	0.10%	0.029%
12	5.566	5.552	5.576	VV	21	228	0.09%	0.025%
13	5.585	5.576	5.600	VV	24	214	0.08%	0.023%
14	5.648	5.600	5.676	VV	24	654	0.25%	0.071%
15	5.684	5.676	5.700	VV	19	149	0.06%	0.016%
16	5.742	5.700	5.755	PV	36	540	0.21%	0.059%
17	5.774	5.755	5.809	VV	31	730	0.28%	0.079%
18	5.857	5.809	5.890	VV	30	988	0.38%	0.107%
19	5.899	5.890	5.905	VV	23	159	0.06%	0.017%
20	5.924	5.905	5.934	VV	32	407	0.16%	0.044%
21	5.942	5.934	5.949	VV	21	137	0.05%	0.015%
22	5.974	5.949	5.982	VV	20	297	0.11%	0.032%
23	5.997	5.982	6.011	VV	31	365	0.14%	0.040%
24	6.018	6.011	6.025	PV	25	108	0.04%	0.012%
25	6.059	6.025	6.070	VV	37	580	0.22%	0.063%
26	6.080	6.070	6.094	VV	32	314	0.12%	0.034%
27	6.106	6.094	6.114	VV	23	232	0.09%	0.025%
28	6.122	6.114	6.146	VV	25	347	0.13%	0.038%
29	6.151	6.146	6.163	VV	19	193	0.07%	0.021%
30	6.171	6.163	6.196	VV	25	408	0.16%	0.044%
31	6.205	6.196	6.218	VV	30	337	0.13%	0.037%
32	6.224	6.218	6.244	VV	32	382	0.15%	0.042%
33	6.258	6.244	6.280	VV	28	504	0.19%	0.055%
34	6.307	6.280	6.316	VV	39	666	0.26%	0.072%
35	6.329	6.316	6.363	VV	41	908	0.35%	0.099%
36	6.376	6.363	6.385	VV	36	386	0.15%	0.042%

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37	6.393	6.385	6.410	VV	35	407	0.16%	0.044%
38	6.419	6.410	6.428	VV	30	214	0.08%	0.023%
39	6.439	6.428	6.469	VV	37	577	0.22%	0.063%
40	6.477	6.469	6.494	VV	22	229	0.09%	0.025%
41	6.503	6.494	6.508	VV	16	100	0.04%	0.011%
42	6.514	6.508	6.520	VV	17	104	0.04%	0.011%
43	6.543	6.520	6.558	VV	34	479	0.18%	0.052%
44	6.570	6.558	6.581	VV	30	302	0.12%	0.033%
45	6.594	6.581	6.602	VV	33	263	0.10%	0.029%
46	6.611	6.602	6.627	VV	26	203	0.08%	0.022%
47	6.694	6.627	6.706	VV	39	883	0.34%	0.096%
48	6.718	6.706	6.741	VV	29	411	0.16%	0.045%
49	6.765	6.741	6.783	VV	38	571	0.22%	0.062%
50	6.791	6.783	6.805	VV	33	282	0.11%	0.031%
51	6.816	6.805	6.856	VV	27	606	0.23%	0.066%
52	6.872	6.856	6.886	VV	35	432	0.17%	0.047%
53	6.900	6.886	6.940	VV	34	502	0.19%	0.055%
54	6.981	6.940	6.999	PV	38	715	0.27%	0.078%
55	7.009	6.999	7.025	VV	23	278	0.11%	0.030%
56	7.039	7.025	7.062	VV	27	432	0.17%	0.047%
57	7.092	7.062	7.102	VV	39	601	0.23%	0.065%
58	7.108	7.102	7.141	VV	32	455	0.17%	0.049%
59	7.166	7.141	7.196	VV	39	721	0.28%	0.078%
60	7.236	7.196	7.265	VV	24	645	0.25%	0.070%
61	7.274	7.265	7.287	VV	20	197	0.08%	0.021%
62	7.297	7.287	7.305	VV	18	142	0.05%	0.015%
63	7.324	7.305	7.334	VV	22	305	0.12%	0.033%
64	7.343	7.334	7.362	VV	24	286	0.11%	0.031%
65	7.379	7.362	7.407	VV	30	434	0.17%	0.047%
66	7.421	7.407	7.430	VV	23	221	0.08%	0.024%
67	7.436	7.430	7.454	VV	16	159	0.06%	0.017%
68	7.481	7.454	7.499	VV	20	377	0.15%	0.041%
69	7.512	7.499	7.523	VV	32	328	0.13%	0.036%
70	7.533	7.523	7.543	VV	33	305	0.12%	0.033%
71	7.549	7.543	7.556	VV	25	147	0.06%	0.016%
72	7.565	7.556	7.575	VV	23	186	0.07%	0.020%
73	7.587	7.575	7.596	VV	25	219	0.08%	0.024%
74	7.603	7.596	7.634	VV	24	346	0.13%	0.038%
75	7.644	7.634	7.668	VV	34	312	0.12%	0.034%
76	7.679	7.668	7.705	VV	21	332	0.13%	0.036%
77	7.713	7.705	7.721	VV	12	102	0.04%	0.011%
78	7.734	7.721	7.746	VV	26	301	0.12%	0.033%
79	7.754	7.746	7.774	VV	32	282	0.11%	0.031%
80	7.786	7.774	7.799	VV	24	231	0.09%	0.025%
81	7.808	7.799	7.818	PV	22	122	0.05%	0.013%
82	7.837	7.818	7.847	VV	22	229	0.09%	0.025%
83	7.893	7.847	7.908	VV	30	635	0.24%	0.069%
84	7.926	7.908	7.938	VV	21	288	0.11%	0.031%
85	8.022	7.938	8.054	VV	101	4634	1.78%	0.504%
86	8.058	8.054	8.074	VV	98	1097	0.42%	0.119%
87	8.086	8.074	8.128	VV	101	2672	1.03%	0.291%
88	8.148	8.128	8.175	VV	75	1899	0.73%	0.206%
89	8.196	8.175	8.213	VV	79	1566	0.60%	0.170%

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90	8.269	8.213	8.296	VV	79	3427	1.32%	0.373%
91	8.312	8.296	8.320	VV	81	961	0.37%	0.105%
92	8.326	8.320	8.353	VV	71	1155	0.44%	0.126%
93	8.372	8.353	8.414	VV	74	2264	0.87%	0.246%
94	8.425	8.414	8.498	VV	54	1779	0.68%	0.193%
95	8.525	8.498	8.556	VV	22	436	0.17%	0.047%
96	8.565	8.556	8.572	PV	11	59	0.02%	0.006%
97	8.586	8.572	8.626	VV	17	229	0.09%	0.025%
98	8.792	8.626	8.996	PV	4584	260181	100.00%	28.293%
99	9.004	8.996	9.029	VV	46	563	0.22%	0.061%
100	9.047	9.029	9.090	VV	39	699	0.27%	0.076%
101	9.117	9.090	9.142	VV	30	500	0.19%	0.054%
102	9.162	9.142	9.197	VV	17	320	0.12%	0.035%
103	9.209	9.197	9.250	VV	26	476	0.18%	0.052%
104	9.266	9.250	9.288	PV	20	217	0.08%	0.024%
105	9.311	9.288	9.327	VV	14	228	0.09%	0.025%
106	9.352	9.327	9.361	VV	18	276	0.11%	0.030%
107	9.369	9.361	9.377	VV	14	126	0.05%	0.014%
108	9.398	9.377	9.408	VV	19	264	0.10%	0.029%
109	9.423	9.408	9.433	VV	21	198	0.08%	0.022%
110	9.448	9.433	9.458	VV	15	177	0.07%	0.019%
111	9.467	9.458	9.475	VV	21	143	0.05%	0.016%
112	9.489	9.475	9.515	VV	27	392	0.15%	0.043%
113	9.536	9.515	9.545	VV	18	215	0.08%	0.023%
114	9.565	9.545	9.589	PV	27	411	0.16%	0.045%
115	9.613	9.589	9.623	VV	30	385	0.15%	0.042%
116	9.642	9.623	9.651	VV	21	269	0.10%	0.029%
117	9.672	9.651	9.706	VV	29	670	0.26%	0.073%
118	9.712	9.706	9.725	VV	36	275	0.11%	0.030%
119	9.754	9.725	9.762	VV	37	453	0.17%	0.049%
120	9.770	9.762	9.790	VV	28	312	0.12%	0.034%
121	9.811	9.790	9.832	VV	39	603	0.23%	0.066%
122	9.843	9.832	9.867	VV	22	331	0.13%	0.036%
123	9.883	9.867	9.898	VV	29	440	0.17%	0.048%
124	9.916	9.898	9.941	VV	33	601	0.23%	0.065%
125	9.958	9.941	9.999	VV	42	810	0.31%	0.088%
126	10.013	9.999	10.024	VV	34	337	0.13%	0.037%
127	10.044	10.024	10.069	VV	31	580	0.22%	0.063%
128	10.080	10.069	10.091	VV	32	295	0.11%	0.032%
129	10.098	10.091	10.109	VV	20	198	0.08%	0.022%
130	10.127	10.109	10.150	VV	34	588	0.23%	0.064%
131	10.173	10.150	10.190	VV	42	700	0.27%	0.076%
132	10.203	10.190	10.232	VV	38	774	0.30%	0.084%
133	10.387	10.232	10.503	VV	225	21693	8.34%	2.359%
134	10.512	10.503	10.540	VV	86	1492	0.57%	0.162%
135	10.551	10.540	10.562	VV	67	798	0.31%	0.087%
136	10.572	10.562	10.593	VV	72	1212	0.47%	0.132%
137	10.612	10.593	10.623	VV	73	1280	0.49%	0.139%
138	10.632	10.623	10.672	VV	75	1770	0.68%	0.192%
139	10.680	10.672	10.694	VV	54	606	0.23%	0.066%
140	10.731	10.694	10.749	VV	57	1457	0.56%	0.158%
141	10.780	10.749	10.810	VV	57	1623	0.62%	0.176%

					rteres			
142	10.820	10.810	10.830	VV	53	524	0.20%	0.057%
143	10.858	10.830	10.867	VV	48	896	0.34%	0.097%
144	10.928	10.867	10.950	VV	54	2144	0.82%	0.233%
145	10.971	10.950	11.033	VV	55	2135	0.82%	0.232%
146	11.048	11.033	11.062	VV	58	766	0.29%	0.083%
147	11.075	11.062	11.119	VV	42	1215	0.47%	0.132%
148	11.147	11.119	11.158	VV	46	883	0.34%	0.096%
149	11.167	11.158	11.178	VV	54	576	0.22%	0.063%
150	11.190	11.178	11.199	VV	52	531	0.20%	0.058%
151	11.210	11.199	11.219	VV	45	493	0.19%	0.054%
152	11.233	11.219	11.246	VV	47	632	0.24%	0.069%
153	11.254	11.246	11.278	VV	41	686	0.26%	0.075%
154	11.287	11.278	11.319	VV	41	910	0.35%	0.099%
155	11.330	11.319	11.366	VV	49	1184	0.46%	0.129%
156	11.391	11.366	11.414	VV	57	1206	0.46%	0.131%
157	11.433	11.414	11.451	VV	56	1027	0.39%	0.112%
158	11.459	11.451	11.470	VV	56	538	0.21%	0.058%
159	11.484	11.470	11.512	VV	55	1227	0.47%	0.133%
160	11.525	11.512	11.537	VV	58	804	0.31%	0.087%
161	11.544	11.537	11.587	VV	56	1438	0.55%	0.156%
162	11.679	11.587	11.688	VV	75	3251	1.25%	0.354%
163	11.702	11.688	11.714	VV	77	1000	0.38%	0.109%
164	11.755	11.714	11.768	VV	76	1951	0.75%	0.212%
165	11.776	11.768	11.786	VV	77	683	0.26%	0.074%
166	11.855	11.786	11.871	VV	81	3443	1.32%	0.374%
167	11.877	11.871	11.891	VV	75	772	0.30%	0.084%
168	11.906	11.891	11.921	VV	81	1235	0.47%	0.134%
169	11.935	11.921	11.951	VV	78	1163	0.45%	0.126%
170	11.959	11.951	11.967	VV	65	581	0.22%	0.063%
171	11.981	11.967	11.988	VV	73	873	0.34%	0.095%
172	12.011	11.988	12.024	VV	76	1469	0.56%	0.160%
173	12.055	12.024	12.066	VV	80	1814	0.70%	0.197%
174	12.087	12.066	12.111	VV	82	2061	0.79%	0.224%
175	12.127	12.111	12.141	VV	91	1494	0.57%	0.162%
176	12.150	12.141	12.157	VV	94	804	0.31%	0.087%
177	12.175	12.157	12.184	VV	104	1530	0.59%	0.166%
178	12.189	12.184	12.196	VV	98	672	0.26%	0.073%
179	12.203	12.196	12.224	VV	100	1551	0.60%	0.169%
180	12.323	12.224	12.344	VV	130	7780	2.99%	0.846%
181	12.357	12.344	12.389	VV	130	3304	1.27%	0.359%
182	12.422	12.389	12.431	VV	154	3499	1.34%	0.381%
183	12.447	12.431	12.456	VV	161	2327	0.89%	0.253%
184	12.470	12.456	12.492	VV	152	3146	1.21%	0.342%
185	12.581	12.492	12.590	VV	181	9539	3.67%	1.037%
186	12.663	12.590	12.676	VV	210	9866	3.79%	1.073%
187	12.690	12.676	12.719	VV	217	5405	2.08%	0.588%
188	12.732	12.719	12.739	VV	226	2622	1.01%	0.285%
189	12.767	12.739	12.784	VV	232	6053	2.33%	0.658%
190	12.792	12.784	12.806	VV	237	2876	1.11%	0.313%
191	12.879	12.806	12.893	VV	254	12042	4.63%	1.310%
192	12.901	12.893	12.914	VV	267	3227	1.24%	0.351%
193	12.924	12.914	12.968	VV	248	7529	2.89%	0.819%
194	13.001	12.968	13.010	VV	224	5473	2.10%	0.595%

					rteres			
195	13.037	13.010	13.057	VV	240	6392	2.46%	0.695%
196	13.079	13.057	13.088	VV	235	4287	1.65%	0.466%
197	13.094	13.088	13.099	VV	229	1446	0.56%	0.157%
198	13.113	13.099	13.124	VV	230	3499	1.34%	0.381%
199	13.176	13.124	13.224	VV	266	14892	5.72%	1.619%
200	13.239	13.224	13.289	VV	271	10060	3.87%	1.094%
201	13.313	13.289	13.322	VV	269	5137	1.97%	0.559%
202	13.357	13.322	13.379	VV	279	9250	3.56%	1.006%
203	13.397	13.379	13.406	VV	297	4584	1.76%	0.499%
204	13.412	13.406	13.416	VV	282	1674	0.64%	0.182%
205	13.438	13.416	13.451	VV	292	6076	2.34%	0.661%
206	13.462	13.451	13.471	VV	304	3421	1.31%	0.372%
207	13.481	13.471	13.488	VV	314	3217	1.24%	0.350%
208	13.498	13.488	13.516	VV	310	5070	1.95%	0.551%
209	13.524	13.516	13.555	VV	302	6828	2.62%	0.742%
210	13.587	13.555	13.607	VV	308	9152	3.52%	0.995%
211	13.630	13.607	13.643	VV	298	6330	2.43%	0.688%
212	13.652	13.643	13.686	VV	295	7176	2.76%	0.780%
213	13.713	13.686	13.727	VV	290	6615	2.54%	0.719%
214	13.737	13.727	13.764	VV	280	5771	2.22%	0.628%
215	13.773	13.764	13.784	VV	262	3160	1.21%	0.344%
216	13.805	13.784	13.834	VV	258	7466	2.87%	0.812%
217	13.858	13.834	13.878	VV	255	6536	2.51%	0.711%
218	13.887	13.878	13.995	VV	250	16452	6.32%	1.789%
219	14.096	13.995	14.109	VV	371	20128	7.74%	2.189%
220	14.128	14.109	14.227	VV	373	22516	8.65%	2.448%
221	14.254	14.227	14.276	VV	266	7421	2.85%	0.807%
222	14.290	14.276	14.300	VV	257	3620	1.39%	0.394%
223	14.389	14.300	14.416	VV	289	19168	7.37%	2.084%
224	14.426	14.416	14.434	VV	290	3143	1.21%	0.342%
225	14.448	14.434	14.468	VV	296	5751	2.21%	0.625%
226	14.476	14.468	14.726	VV	267	23582	9.06%	2.564%
227	14.735	14.726	14.758	VV	33	434	0.17%	0.047%
228	14.775	14.758	14.788	VV	19	229	0.09%	0.025%
229	14.917	14.788	14.927	PV	72	2680	1.03%	0.291%
230	15.035	14.927	15.058	VV	169	9198	3.54%	1.000%
231	15.089	15.058	15.111	VV	169	4971	1.91%	0.541%
232	15.120	15.111	15.137	VV	145	2135	0.82%	0.232%
233	15.158	15.137	15.176	VV	130	2913	1.12%	0.317%
234	15.183	15.176	15.192	VV	125	1188	0.46%	0.129%
235	15.200	15.192	15.264	VV	129	5051	1.94%	0.549%
236	15.384	15.264	15.393	VV	140	8970	3.45%	0.975%
237	15.404	15.393	15.423	VV	141	2398	0.92%	0.261%
238	15.429	15.423	15.437	VV	137	1096	0.42%	0.119%
239	15.447	15.437	15.470	VV	131	2545	0.98%	0.277%
240	15.481	15.470	15.498	VV	124	2027	0.78%	0.220%
241	15.519	15.498	15.553	VV	132	4030	1.55%	0.438%
242	15.585	15.553	15.612	VV	139	4353	1.67%	0.473%
243	15.632	15.612	15.639	VV	148	2149	0.83%	0.234%
244	15.705	15.639	15.713	VV	203	7728	2.97%	0.840%
245	15.771	15.713	15.790	VV	263	10556	4.06%	1.148%
246	15.808	15.790	15.818	VV	272	4350	1.67%	0.473%

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247	15.832	15.818	15.927	VV	261	15315	5.89%	1.665%
248	15.935	15.927	15.981	VV	201	5772	2.22%	0.628%
249	15.985	15.981	16.091	VV	161	9128	3.51%	0.993%
250	16.121	16.091	16.130	VV	137	3012	1.16%	0.327%
251	16.249	16.130	16.268	VV	257	16561	6.37%	1.801%
252	16.313	16.268	16.327	VV	274	9012	3.46%	0.980%
253	16.335	16.327	16.544	VV	262	21002	8.07%	2.284%
254	16.553	16.544	16.562	VV	87	783	0.30%	0.085%
255	16.594	16.562	16.620	VV	87	2344	0.90%	0.255%
256	16.631	16.620	16.666	VV	70	1721	0.66%	0.187%
257	16.682	16.666	16.696	VV	64	1001	0.38%	0.109%
258	16.709	16.696	16.729	VV	71	1093	0.42%	0.119%
259	16.740	16.729	16.749	VV	44	448	0.17%	0.049%
260	16.770	16.749	16.792	VV	52	968	0.37%	0.105%
261	16.805	16.792	16.837	VV	37	767	0.29%	0.083%
262	16.848	16.837	16.856	VV	33	331	0.13%	0.036%
263	16.875	16.856	16.898	VV	41	744	0.29%	0.081%
264	16.913	16.898	16.930	VV	25	338	0.13%	0.037%
265	16.940	16.930	16.951	VV	16	130	0.05%	0.014%
266	16.961	16.951	16.971	PV	11	81	0.03%	0.009%
Sum of corrected areas:						919580		

FB053025.M Tue Jun 03 06:01:03 2025

Report of Analysis

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-54	SDG No.:	Q2150
Lab Sample ID:	Q2150-09	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	83.6
Sample Wt/Vol:	7	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Final Vol:	5
GPC Factor :		PH :	
Prep Method :		Decanted:	
		Test:	Gasoline Range Organics
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031860.D	1	06/03/25 11:18	FB060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	13.0	J	7.00	38.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	24.1		50 - 150	120%	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\FB060325\
Data File : FB031860.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 11:18
Operator : YP/AJ
Sample : Q2150-09
Misc : 7.00G/5.00 ML DI WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-54

Integration File: Calibration.e
Quant Time: Jun 04 01:20:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
5) s AAA-TFT	8.790	293932	24.088 ng/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

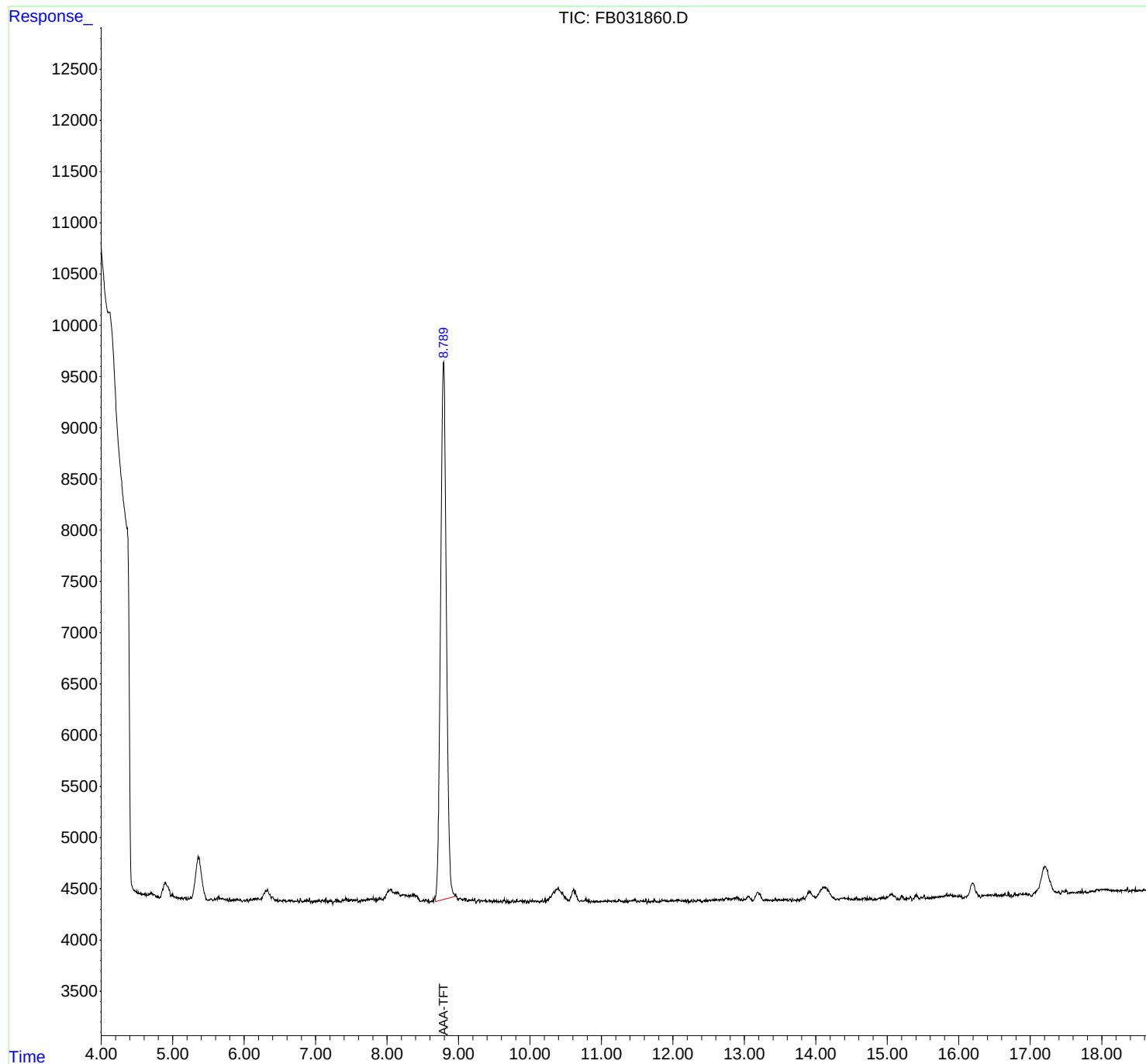
(m)=manual int.

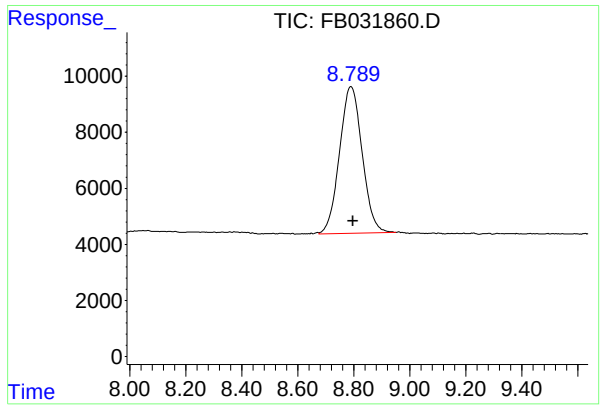
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060325\
Data File : FB031860.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 11:18
Operator : YP/AJ
Sample : Q2150-09
Misc : 7.00G/5.00 ML DI WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-54

Integration File: Calibration.e
Quant Time: Jun 04 01:20:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 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.: 8.790 min
Delta R.T.: -0.007 min
Response: 293932
Conc: 24.09 ng/ml

Instrument :
FID_B
ClientSampleId :
TP-54

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060325\
 Data File : FB031860.D
 Signal(s) : FID2B.CH
 Acq On : 3 Jun 2025 11:18
 Sample : Q2150-09
 Misc : 7.00G/5.00 ML DI WATER
 ALS Vial : 5 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
 Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.641	4.604	4.657	BV	10	39	0.01%	0.007%
2	4.667	4.657	4.679	PV	21	184	0.06%	0.033%
3	4.699	4.679	4.791	VV	39	1402	0.46%	0.255%
4	4.799	4.791	4.815	VV	21	149	0.05%	0.027%
5	4.995	4.988	5.024	VV	52	696	0.23%	0.127%
6	5.029	5.024	5.047	VV	28	283	0.09%	0.052%
7	5.060	5.047	5.091	VV	21	408	0.13%	0.074%
8	5.099	5.091	5.110	VV	17	154	0.05%	0.028%
9	5.128	5.110	5.149	VV	24	322	0.11%	0.059%
10	5.175	5.149	5.201	VV	29	500	0.16%	0.091%
11	5.216	5.201	5.232	PV	28	244	0.08%	0.045%
12	5.251	5.232	5.261	VV	37	388	0.13%	0.071%
13	5.514	5.502	5.521	VV	15	123	0.04%	0.022%
14	5.536	5.521	5.563	VV	23	399	0.13%	0.073%
15	5.590	5.563	5.602	VV	28	341	0.11%	0.062%
16	5.623	5.602	5.631	VV	33	414	0.14%	0.075%
17	5.647	5.631	5.657	VV	50	531	0.17%	0.097%
18	5.663	5.657	5.681	VV	33	394	0.13%	0.072%
19	5.696	5.681	5.723	VV	32	636	0.21%	0.116%
20	5.738	5.723	5.748	VV	27	303	0.10%	0.055%
21	5.763	5.748	5.779	VV	31	300	0.10%	0.055%
22	5.796	5.779	5.841	PV	31	531	0.17%	0.097%
23	5.852	5.841	5.860	VV	25	177	0.06%	0.032%
24	5.869	5.860	5.876	VV	24	175	0.06%	0.032%
25	5.902	5.876	5.932	VV	26	669	0.22%	0.122%
26	5.942	5.932	5.974	VV	25	354	0.12%	0.065%
27	6.000	5.974	6.011	PV	23	246	0.08%	0.045%
28	6.032	6.011	6.063	VV	23	498	0.16%	0.091%
29	6.077	6.063	6.084	VV	28	225	0.07%	0.041%
30	6.093	6.084	6.108	VV	29	320	0.11%	0.058%
31	6.126	6.108	6.166	VV	37	986	0.32%	0.180%
32	6.197	6.166	6.216	VV	43	1013	0.33%	0.184%
33	6.306	6.216	6.316	VV	116	4064	1.34%	0.740%
34	6.328	6.316	6.379	VV	127	3365	1.11%	0.613%
35	6.401	6.379	6.430	VV	57	1363	0.45%	0.248%
36	6.469	6.430	6.491	VV	31	780	0.26%	0.142%

					rteres			
37	6.501	6.491	6.512	VV	26	258	0.08%	0.047%
38	6.517	6.512	6.526	VV	20	137	0.05%	0.025%
39	6.553	6.526	6.568	VV	29	541	0.18%	0.099%
40	6.577	6.568	6.603	VV	29	363	0.12%	0.066%
41	6.622	6.603	6.631	VV	30	363	0.12%	0.066%
42	6.639	6.631	6.652	VV	29	294	0.10%	0.053%
43	6.672	6.652	6.712	VV	32	731	0.24%	0.133%
44	6.721	6.712	6.730	VV	20	182	0.06%	0.033%
45	6.749	6.730	6.772	VV	35	479	0.16%	0.087%
46	6.787	6.772	6.816	VV	47	627	0.21%	0.114%
47	6.849	6.816	6.859	VV	29	497	0.16%	0.091%
48	6.873	6.859	6.906	VV	35	709	0.23%	0.129%
49	6.916	6.906	6.929	VV	48	411	0.14%	0.075%
50	6.939	6.929	6.964	VV	20	278	0.09%	0.051%
51	6.992	6.964	7.001	VV	23	415	0.14%	0.075%
52	7.020	7.001	7.034	VV	27	443	0.15%	0.081%
53	7.050	7.034	7.078	VV	31	686	0.23%	0.125%
54	7.092	7.078	7.117	VV	36	647	0.21%	0.118%
55	7.148	7.117	7.180	VV	52	1063	0.35%	0.194%
56	7.221	7.180	7.243	VV	31	879	0.29%	0.160%
57	7.282	7.243	7.294	PV	45	731	0.24%	0.133%
58	7.302	7.294	7.308	VV	37	230	0.08%	0.042%
59	7.314	7.308	7.340	VV	40	537	0.18%	0.098%
60	7.349	7.340	7.358	VV	26	217	0.07%	0.039%
61	7.372	7.358	7.389	VV	40	570	0.19%	0.104%
62	7.400	7.389	7.409	VV	44	453	0.15%	0.083%
63	7.422	7.409	7.429	VV	57	498	0.16%	0.091%
64	7.435	7.429	7.457	VV	51	627	0.21%	0.114%
65	7.464	7.457	7.473	VV	48	342	0.11%	0.062%
66	7.504	7.473	7.521	VV	45	998	0.33%	0.182%
67	7.529	7.521	7.567	VV	44	980	0.32%	0.179%
68	7.584	7.567	7.601	VV	49	640	0.21%	0.116%
69	7.615	7.601	7.626	VV	30	340	0.11%	0.062%
70	7.645	7.626	7.661	VV	42	643	0.21%	0.117%
71	7.676	7.661	7.696	VV	44	709	0.23%	0.129%
72	7.707	7.696	7.716	VV	43	447	0.15%	0.081%
73	7.726	7.716	7.757	VV	50	1002	0.33%	0.182%
74	7.808	7.757	7.822	VV	64	1778	0.59%	0.324%
75	7.833	7.822	7.844	VV	57	536	0.18%	0.098%
76	7.853	7.844	7.869	VV	57	573	0.19%	0.104%
77	7.895	7.869	7.950	VV	61	2226	0.73%	0.405%
78	8.048	7.950	8.058	VV	139	6525	2.15%	1.188%
79	8.065	8.058	8.080	VV	142	1758	0.58%	0.320%
80	8.094	8.080	8.109	VV	114	1875	0.62%	0.341%
81	8.118	8.109	8.134	VV	112	1609	0.53%	0.293%
82	8.145	8.134	8.197	VV	113	3555	1.17%	0.647%
83	8.239	8.197	8.256	VV	93	3016	0.99%	0.549%
84	8.262	8.256	8.284	VV	91	1369	0.45%	0.249%
85	8.303	8.284	8.312	VV	85	1312	0.43%	0.239%
86	8.332	8.312	8.342	VV	89	1460	0.48%	0.266%
87	8.359	8.342	8.395	VV	98	2611	0.86%	0.475%
88	8.403	8.395	8.463	VV	81	2345	0.77%	0.427%
89	8.512	8.463	8.528	VV	43	1113	0.37%	0.203%

					rteres			
90	8.545	8.528	8.556	VV	45	604	0.20%	0.110%
91	8.582	8.556	8.593	VV	42	618	0.20%	0.112%
92	8.790	8.593	8.951	VV	5285	303461	100.00%	55.256%
93	8.961	8.951	9.001	VV	95	2040	0.67%	0.371%
94	9.024	9.001	9.065	VV	57	1758	0.58%	0.320%
95	9.085	9.065	9.096	VV	56	842	0.28%	0.153%
96	9.105	9.096	9.127	VV	53	677	0.22%	0.123%
97	9.151	9.127	9.184	VV	38	1114	0.37%	0.203%
98	9.194	9.184	9.215	VV	46	649	0.21%	0.118%
99	9.229	9.215	9.248	VV	53	685	0.23%	0.125%
100	9.285	9.248	9.298	VV	46	839	0.28%	0.153%
101	9.314	9.298	9.338	VV	37	663	0.22%	0.121%
102	9.352	9.338	9.362	VV	35	425	0.14%	0.077%
103	9.371	9.362	9.413	VV	35	813	0.27%	0.148%
104	9.430	9.413	9.448	VV	36	585	0.19%	0.107%
105	9.456	9.448	9.475	VV	33	398	0.13%	0.073%
106	9.494	9.475	9.502	VV	36	384	0.13%	0.070%
107	9.531	9.502	9.539	VV	33	589	0.19%	0.107%
108	9.547	9.539	9.582	VV	27	582	0.19%	0.106%
109	9.592	9.582	9.614	VV	33	414	0.14%	0.075%
110	9.643	9.614	9.663	VV	48	894	0.29%	0.163%
111	9.691	9.663	9.732	VV	33	740	0.24%	0.135%
112	9.760	9.732	9.773	VV	38	575	0.19%	0.105%
113	9.783	9.773	9.794	VV	26	253	0.08%	0.046%
114	9.804	9.794	9.810	VV	27	232	0.08%	0.042%
115	9.820	9.810	9.836	VV	46	443	0.15%	0.081%
116	9.870	9.836	9.903	VV	34	1032	0.34%	0.188%
117	9.911	9.903	9.920	VV	33	261	0.09%	0.048%
118	9.931	9.920	9.949	VV	34	452	0.15%	0.082%
119	9.967	9.949	9.986	VV	35	431	0.14%	0.078%
120	10.001	9.986	10.027	VV	37	599	0.20%	0.109%
121	10.037	10.027	10.053	VV	35	437	0.14%	0.079%
122	10.063	10.053	10.069	VV	30	245	0.08%	0.045%
123	10.078	10.069	10.095	VV	30	410	0.14%	0.075%
124	10.109	10.095	10.127	VV	30	448	0.15%	0.082%
125	10.174	10.127	10.188	VV	40	894	0.29%	0.163%
126	10.211	10.188	10.225	VV	51	608	0.20%	0.111%
127	10.247	10.225	10.258	VV	48	697	0.23%	0.127%
128	10.335	10.258	10.349	VV	123	4474	1.47%	0.815%
129	10.367	10.349	10.374	VV	143	1977	0.65%	0.360%
130	10.397	10.374	10.447	VV	156	5755	1.90%	1.048%
131	10.456	10.447	10.546	VV	116	3749	1.24%	0.683%
132	10.612	10.546	10.624	VV	143	4169	1.37%	0.759%
133	10.633	10.624	10.694	VV	131	2869	0.95%	0.522%
134	10.712	10.694	10.737	VV	32	741	0.24%	0.135%
135	10.778	10.737	10.797	VV	51	1212	0.40%	0.221%
136	10.804	10.797	10.817	VV	39	363	0.12%	0.066%
137	10.829	10.817	10.846	VV	41	455	0.15%	0.083%
138	10.860	10.846	10.870	VV	32	333	0.11%	0.061%
139	10.906	10.870	10.914	VV	27	582	0.19%	0.106%
140	10.924	10.914	10.960	VV	32	644	0.21%	0.117%
141	10.993	10.960	11.003	VV	31	594	0.20%	0.108%

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142	11.012	11.003	11.036	VV	27	492	0.16%	0.090%
143	11.048	11.036	11.056	VV	33	318	0.10%	0.058%
144	11.069	11.056	11.089	VV	27	485	0.16%	0.088%
145	11.102	11.089	11.131	VV	31	702	0.23%	0.128%
146	11.164	11.131	11.182	VV	35	845	0.28%	0.154%
147	11.194	11.182	11.216	VV	34	526	0.17%	0.096%
148	11.247	11.216	11.323	VV	44	1707	0.56%	0.311%
149	11.332	11.323	11.362	VV	29	608	0.20%	0.111%
150	11.405	11.362	11.416	VV	35	879	0.29%	0.160%
151	11.429	11.416	11.436	VV	37	379	0.12%	0.069%
152	11.459	11.436	11.468	VV	44	683	0.22%	0.124%
153	11.478	11.468	11.497	VV	46	565	0.19%	0.103%
154	11.512	11.497	11.532	VV	35	507	0.17%	0.092%
155	11.546	11.532	11.579	VV	37	772	0.25%	0.140%
156	11.585	11.579	11.613	VV	35	541	0.18%	0.099%
157	11.623	11.613	11.637	VV	46	401	0.13%	0.073%
158	11.662	11.637	11.684	PV	42	608	0.20%	0.111%
159	11.694	11.684	11.719	VV	27	469	0.15%	0.085%
160	11.746	11.719	11.791	VV	46	1098	0.36%	0.200%
161	11.818	11.791	11.832	VV	31	521	0.17%	0.095%
162	11.847	11.832	11.856	VV	43	427	0.14%	0.078%
163	11.868	11.856	11.877	VV	35	394	0.13%	0.072%
164	11.886	11.877	11.934	VV	37	914	0.30%	0.166%
165	11.973	11.934	11.988	VV	36	852	0.28%	0.155%
166	12.001	11.988	12.011	VV	36	394	0.13%	0.072%
167	12.024	12.011	12.032	VV	32	343	0.11%	0.062%
168	12.055	12.032	12.063	VV	39	564	0.19%	0.103%
169	12.071	12.063	12.122	VV	42	1019	0.34%	0.186%
170	12.129	12.122	12.163	VV	29	603	0.20%	0.110%
171	12.173	12.163	12.188	VV	30	351	0.12%	0.064%
172	12.207	12.188	12.216	VV	39	396	0.13%	0.072%
173	12.223	12.216	12.239	VV	24	217	0.07%	0.040%
174	12.265	12.239	12.282	VV	34	587	0.19%	0.107%
175	12.292	12.282	12.303	VV	34	315	0.10%	0.057%
176	12.311	12.303	12.324	VV	27	269	0.09%	0.049%
177	12.349	12.324	12.364	VV	35	615	0.20%	0.112%
178	12.378	12.364	12.403	VV	35	562	0.19%	0.102%
179	12.435	12.403	12.456	VV	29	631	0.21%	0.115%
180	12.465	12.456	12.477	VV	41	350	0.12%	0.064%
181	12.486	12.477	12.492	VV	28	212	0.07%	0.039%
182	12.512	12.492	12.528	VV	32	559	0.18%	0.102%
183	12.535	12.528	12.542	VV	29	226	0.07%	0.041%
184	12.577	12.542	12.619	VV	40	1382	0.46%	0.252%
185	12.633	12.619	12.678	VV	36	1039	0.34%	0.189%
186	12.693	12.678	12.723	VV	48	900	0.30%	0.164%
187	12.743	12.723	12.772	VV	50	1222	0.40%	0.223%
188	12.796	12.772	12.830	VV	40	1264	0.42%	0.230%
189	12.853	12.830	12.948	VV	49	2974	0.98%	0.542%
190	12.958	12.948	12.973	VV	37	412	0.14%	0.075%
191	13.063	12.973	13.116	VV	65	3296	1.09%	0.600%
192	13.187	13.116	13.274	VV	100	5517	1.82%	1.005%
193	13.289	13.274	13.301	VV	27	388	0.13%	0.071%
194	13.315	13.301	13.352	VV	23	655	0.22%	0.119%

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195	13.370	13.352	13.399	VV	25	549	0.18%	0.100%	
196	13.434	13.399	13.460	VV	35	839	0.28%	0.153%	
197	13.493	13.460	13.533	VV	33	972	0.32%	0.177%	
198	13.573	13.533	13.622	VV	31	1149	0.38%	0.209%	
199	13.633	13.622	13.662	VV	31	534	0.18%	0.097%	
200	13.678	13.662	13.733	VV	33	753	0.25%	0.137%	
201	13.748	13.733	13.767	VV	20	397	0.13%	0.072%	
202	13.829	13.767	13.847	VV	46	1422	0.47%	0.259%	
203	13.907	13.847	13.992	VV	107	5996	1.98%	1.092%	
204	14.101	13.992	14.279	VV	145	14939	4.92%	2.720%	
205	14.302	14.279	14.322	VV	29	582	0.19%	0.106%	
206	14.354	14.322	14.371	VV	31	758	0.25%	0.138%	
207	14.394	14.371	14.421	VV	34	917	0.30%	0.167%	
208	14.430	14.421	14.493	VV	31	1044	0.34%	0.190%	
209	14.507	14.493	14.521	VV	22	307	0.10%	0.056%	
210	14.567	14.521	14.582	VV	40	857	0.28%	0.156%	
211	14.600	14.582	14.631	VV	22	546	0.18%	0.099%	
212	14.680	14.631	14.738	VV	36	1478	0.49%	0.269%	
213	14.753	14.738	14.810	VV	37	796	0.26%	0.145%	
214	14.893	14.810	14.910	VV	29	1189	0.39%	0.217%	
215	14.926	14.910	14.944	VV	29	541	0.18%	0.099%	
216	14.951	14.944	14.966	VV	39	364	0.12%	0.066%	
217	14.993	14.966	15.005	VV	43	758	0.25%	0.138%	
218	15.067	15.005	15.162	VV	64	3934	1.30%	0.716%	
219	15.202	15.162	15.259	VV	56	1454	0.48%	0.265%	
220	15.267	15.259	15.302	VV	32	543	0.18%	0.099%	
221	15.324	15.302	15.348	VV	44	686	0.23%	0.125%	
222	15.413	15.348	15.446	PV	56	1809	0.60%	0.329%	
223	15.471	15.446	15.484	VV	34	516	0.17%	0.094%	
224	15.518	15.484	15.537	VV	49	955	0.31%	0.174%	
225	15.562	15.537	15.590	VV	18	536	0.18%	0.098%	
226	15.726	15.590	15.790	VV	37	2938	0.97%	0.535%	
227	15.831	15.790	15.853	VV	43	1366	0.45%	0.249%	
228	15.882	15.853	15.986	VV	46	2602	0.86%	0.474%	
229	16.010	15.986	16.059	VV	34	971	0.32%	0.177%	
230	16.088	16.059	16.109	VV	20	424	0.14%	0.077%	
231	16.194	16.109	16.306	VV	149	8376	2.76%	1.525%	
232	16.360	16.306	16.420	VV	29	1614	0.53%	0.294%	
233	16.439	16.420	16.515	VV	29	1435	0.47%	0.261%	
234	16.521	16.515	16.543	VV	37	360	0.12%	0.066%	
235	16.559	16.543	16.582	VV	26	448	0.15%	0.082%	
236	16.645	16.582	16.674	VV	35	1197	0.39%	0.218%	
237	16.692	16.674	16.749	VV	45	838	0.28%	0.153%	
238	16.783	16.749	16.838	VV	30	973	0.32%	0.177%	
239	16.859	16.838	16.888	VV	34	706	0.23%	0.129%	
240	16.898	16.888	17.016	VV	36	1556	0.51%	0.283%	

Sum of corrected areas: 549187

FB053025.M Wed Jun 04 02:12:59 2025

Report of Analysis

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-53	SDG No.:	Q2150
Lab Sample ID:	Q2150-10	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	85.3
Sample Wt/Vol:	7.37	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
FB031863.D	50	06/03/25 13:05	FB060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	471	J	328	1790	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	19.3		50 - 150	96%	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\FB060325\
Data File : FB031863.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 13:05
Operator : YP/AJ
Sample : Q2150-10 50X
Misc : 7.37G/5.00 ML MEOH
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-53

Integration File: Calibration.e
Quant Time: Jun 04 01:21:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
5) s AAA-TFT	8.789	234996	19.258 ng/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

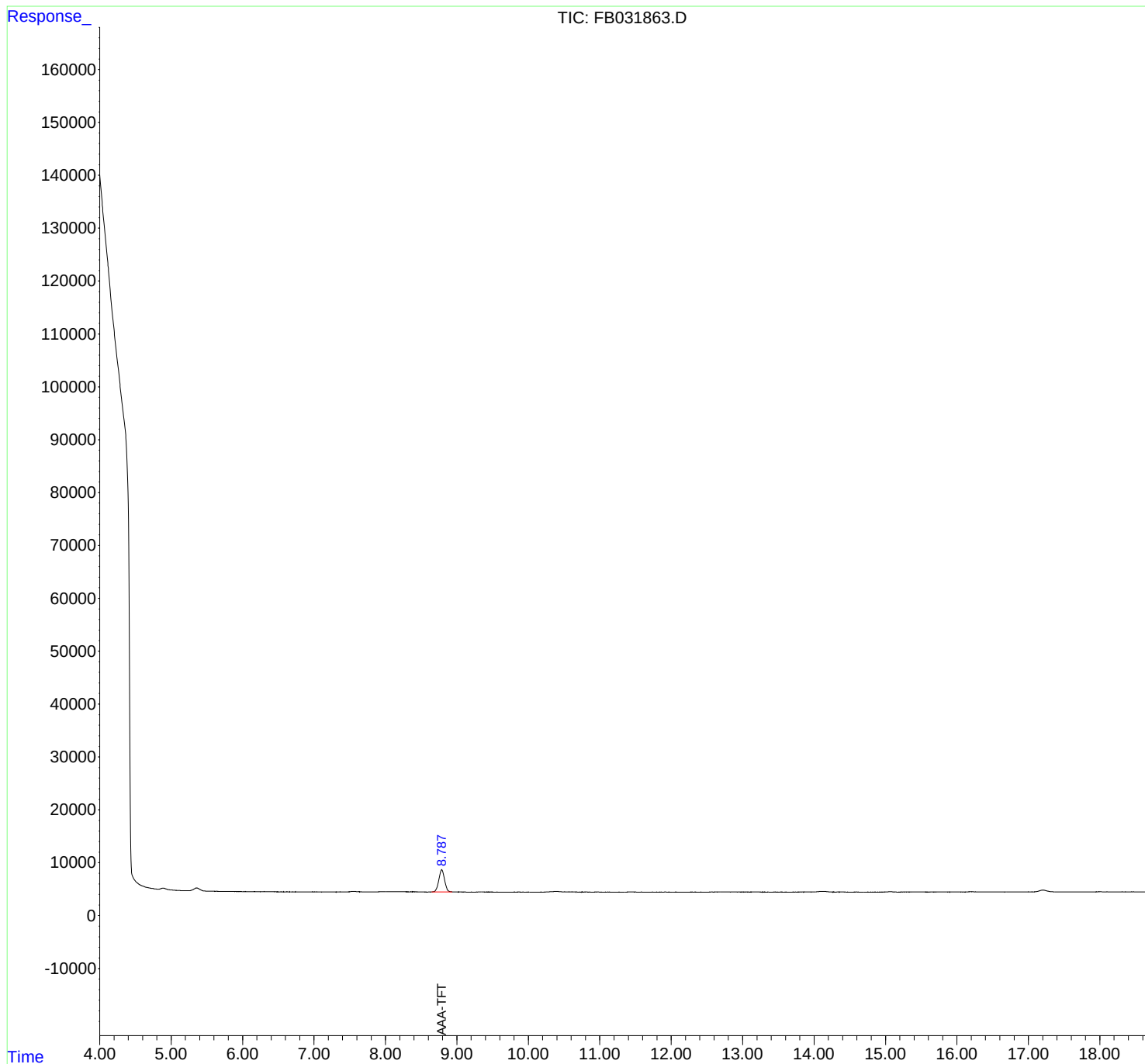
(m)=manual int.

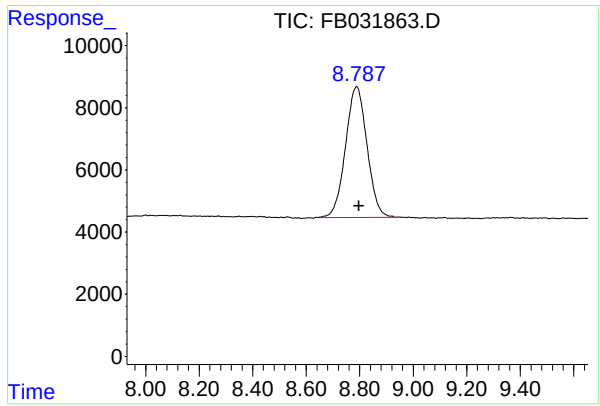
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060325\
Data File : FB031863.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 13:05
Operator : YP/AJ
Sample : Q2150-10 50X
Misc : 7.37G/5.00 ML MEOH
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-53

Integration File: Calibration.e
Quant Time: Jun 04 01:21:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 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.: 8.789 min
Delta R.T.: -0.009 min
Response: 234996
Conc: 19.26 ng/ml

Instrument :
FID_B
ClientSampleId :
TP-53

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060325\
Data File : FB031863.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 13:05
Sample : Q2150-10 50X
Misc : 7.37G/5.00 ML MEOH
ALS Vial : 2 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.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	5.113	5.160	PV	25	75	0.03%	0.017%
2	5.173	5.160	5.231	PV	13	279	0.12%	0.064%
3	5.535	5.527	5.598	PV	22	478	0.20%	0.109%
4	5.603	5.598	5.622	VV	17	107	0.04%	0.024%
5	5.635	5.622	5.684	PV	17	307	0.13%	0.070%
6	5.694	5.684	5.712	VV	14	136	0.06%	0.031%
7	5.732	5.712	5.740	PV	12	126	0.05%	0.029%
8	5.793	5.740	5.820	VV	28	661	0.28%	0.151%
9	5.828	5.820	5.841	VV	24	181	0.08%	0.041%
10	5.860	5.841	5.893	PV	22	336	0.14%	0.076%
11	5.911	5.893	5.929	VV	19	175	0.07%	0.040%
12	5.951	5.929	5.960	VV	25	229	0.10%	0.052%
13	5.980	5.960	6.016	VV	20	409	0.17%	0.093%
14	6.025	6.016	6.031	VV	18	93	0.04%	0.021%
15	6.044	6.031	6.053	VV	24	212	0.09%	0.048%
16	6.062	6.053	6.078	VV	21	230	0.10%	0.052%
17	6.091	6.078	6.135	VV	28	712	0.30%	0.162%
18	6.141	6.135	6.149	VV	31	224	0.09%	0.051%
19	6.169	6.149	6.182	VV	49	681	0.28%	0.155%
20	6.187	6.182	6.225	VV	33	677	0.28%	0.154%
21	6.232	6.225	6.252	VV	35	290	0.12%	0.066%
22	6.283	6.252	6.289	PV	41	550	0.23%	0.125%
23	6.302	6.289	6.319	VV	55	687	0.29%	0.156%
24	6.330	6.319	6.345	VV	40	573	0.24%	0.130%
25	6.369	6.345	6.377	VV	48	745	0.31%	0.170%
26	6.382	6.377	6.444	VV	44	1166	0.49%	0.265%
27	6.461	6.444	6.488	VV	34	543	0.23%	0.124%
28	6.536	6.488	6.545	VV	36	601	0.25%	0.137%
29	6.551	6.545	6.563	VV	21	173	0.07%	0.039%
30	6.577	6.563	6.591	VV	23	258	0.11%	0.059%
31	6.597	6.591	6.606	VV	21	138	0.06%	0.031%
32	6.618	6.606	6.638	VV	32	383	0.16%	0.087%
33	6.659	6.638	6.674	VV	26	332	0.14%	0.075%
34	6.739	6.674	6.758	VV	32	1015	0.42%	0.231%
35	6.767	6.758	6.772	VV	19	123	0.05%	0.028%
36	6.778	6.772	6.802	VV	22	258	0.11%	0.059%

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37	6.812	6.802	6.817	VV	24	155	0.06%	0.035%
38	6.831	6.817	6.839	VV	30	295	0.12%	0.067%
39	6.858	6.839	6.883	VV	26	605	0.25%	0.138%
40	6.892	6.883	6.942	VV	31	863	0.36%	0.196%
41	6.950	6.942	6.964	VV	29	343	0.14%	0.078%
42	6.985	6.964	6.998	VV	47	714	0.30%	0.162%
43	7.012	6.998	7.021	VV	50	496	0.21%	0.113%
44	7.036	7.021	7.056	VV	46	769	0.32%	0.175%
45	7.059	7.056	7.108	VV	42	814	0.34%	0.185%
46	7.125	7.108	7.135	PV	24	289	0.12%	0.066%
47	7.183	7.135	7.195	VV	40	867	0.36%	0.197%
48	7.205	7.195	7.223	VV	31	413	0.17%	0.094%
49	7.239	7.223	7.304	VV	25	895	0.37%	0.204%
50	7.325	7.304	7.335	VV	33	345	0.14%	0.079%
51	7.348	7.335	7.356	VV	40	366	0.15%	0.083%
52	7.366	7.356	7.387	VV	54	700	0.29%	0.159%
53	7.392	7.387	7.403	VV	45	322	0.13%	0.073%
54	7.412	7.403	7.421	VV	39	306	0.13%	0.070%
55	7.444	7.421	7.456	VV	35	570	0.24%	0.130%
56	7.547	7.456	7.566	VV	145	5599	2.33%	1.275%
57	7.580	7.566	7.595	VV	131	2051	0.85%	0.467%
58	7.603	7.595	7.644	VV	95	2166	0.90%	0.493%
59	7.657	7.644	7.684	VV	64	1218	0.51%	0.277%
60	7.693	7.684	7.717	VV	51	742	0.31%	0.169%
61	7.728	7.717	7.770	VV	41	873	0.36%	0.199%
62	7.783	7.770	7.819	VV	35	758	0.32%	0.172%
63	7.832	7.819	7.852	VV	32	511	0.21%	0.116%
64	7.968	7.852	7.979	VV	80	4210	1.75%	0.958%
65	8.000	7.979	8.014	VV	103	1789	0.74%	0.407%
66	8.020	8.014	8.044	VV	99	1623	0.68%	0.369%
67	8.058	8.044	8.073	VV	98	1575	0.66%	0.359%
68	8.080	8.073	8.093	VV	94	1032	0.43%	0.235%
69	8.130	8.093	8.154	VV	99	3088	1.29%	0.703%
70	8.164	8.154	8.172	VV	73	751	0.31%	0.171%
71	8.187	8.172	8.195	VV	75	982	0.41%	0.223%
72	8.201	8.195	8.217	VV	73	900	0.37%	0.205%
73	8.232	8.217	8.260	VV	71	1752	0.73%	0.399%
74	8.274	8.260	8.328	VV	78	2400	1.00%	0.546%
75	8.351	8.328	8.368	VV	67	1350	0.56%	0.307%
76	8.399	8.368	8.416	VV	64	1603	0.67%	0.365%
77	8.426	8.416	8.454	VV	61	1125	0.47%	0.256%
78	8.463	8.454	8.476	VV	45	415	0.17%	0.095%
79	8.482	8.476	8.498	VV	35	400	0.17%	0.091%
80	8.507	8.498	8.519	VV	38	406	0.17%	0.092%
81	8.530	8.519	8.553	VV	51	612	0.25%	0.139%
82	8.573	8.553	8.583	VV	21	208	0.09%	0.047%
83	8.789	8.583	8.936	PV	4238	240219	100.00%	54.676%
84	8.945	8.936	8.976	VV	42	766	0.32%	0.174%
85	8.984	8.976	9.024	VV	36	556	0.23%	0.127%
86	9.044	9.024	9.107	PB	15	309	0.13%	0.070%
87	9.162	9.110	9.220	BB	-0	-127	-0.05%	-0.029%
88	9.275	9.224	9.291	BV	13	134	0.06%	0.031%
89	9.313	9.291	9.325	VV	29	420	0.17%	0.096%

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90	9.366	9.325	9.400	VV	43	1040	0.43%	0.237%
91	9.409	9.400	9.441	VV	28	434	0.18%	0.099%
92	9.457	9.441	9.466	VV	17	235	0.10%	0.054%
93	9.475	9.466	9.510	VV	22	465	0.19%	0.106%
94	9.522	9.510	9.545	PV	18	201	0.08%	0.046%
95	9.563	9.545	9.573	VV	25	213	0.09%	0.049%
96	9.587	9.573	9.612	VV	21	309	0.13%	0.070%
97	9.623	9.612	9.650	VV	17	282	0.12%	0.064%
98	9.658	9.650	9.708	VV	19	449	0.19%	0.102%
99	9.721	9.708	9.734	VV	15	164	0.07%	0.037%
100	9.744	9.734	9.756	VV	18	171	0.07%	0.039%
101	9.765	9.756	9.793	VV	19	342	0.14%	0.078%
102	9.804	9.793	9.840	VV	25	577	0.24%	0.131%
103	9.868	9.840	9.884	VV	46	745	0.31%	0.170%
104	9.892	9.884	9.914	VV	29	354	0.15%	0.080%
105	9.927	9.914	9.958	VV	44	543	0.23%	0.124%
106	9.980	9.958	9.989	VV	32	283	0.12%	0.065%
107	10.005	9.989	10.029	VV	31	369	0.15%	0.084%
108	10.036	10.029	10.045	VV	13	81	0.03%	0.018%
109	10.054	10.045	10.068	PV	24	199	0.08%	0.045%
110	10.078	10.068	10.090	VV	23	202	0.08%	0.046%
111	10.126	10.090	10.156	VV	27	700	0.29%	0.159%
112	10.174	10.156	10.192	VV	36	432	0.18%	0.098%
113	10.303	10.192	10.310	VV	90	2995	1.25%	0.682%
114	10.382	10.310	10.499	VV	153	12565	5.23%	2.860%
115	10.509	10.499	10.524	VV	84	1041	0.43%	0.237%
116	10.534	10.524	10.557	VV	62	1089	0.45%	0.248%
117	10.569	10.557	10.591	VV	75	1329	0.55%	0.303%
118	10.612	10.591	10.625	VV	78	1363	0.57%	0.310%
119	10.633	10.625	10.672	VV	72	1405	0.58%	0.320%
120	10.679	10.672	10.705	VV	35	495	0.21%	0.113%
121	10.715	10.705	10.725	VV	29	278	0.12%	0.063%
122	10.758	10.725	10.774	VV	47	793	0.33%	0.180%
123	10.804	10.774	10.850	VV	42	1360	0.57%	0.310%
124	10.860	10.850	10.894	VV	36	584	0.24%	0.133%
125	10.906	10.894	10.917	VV	17	184	0.08%	0.042%
126	10.949	10.917	10.958	VV	30	605	0.25%	0.138%
127	10.970	10.958	10.979	VV	44	418	0.17%	0.095%
128	10.985	10.979	11.013	VV	35	493	0.21%	0.112%
129	11.022	11.013	11.031	VV	28	225	0.09%	0.051%
130	11.039	11.031	11.072	VV	20	362	0.15%	0.082%
131	11.081	11.072	11.099	VV	27	278	0.12%	0.063%
132	11.115	11.099	11.131	VV	46	471	0.20%	0.107%
133	11.136	11.131	11.150	VV	33	174	0.07%	0.040%
134	11.193	11.150	11.231	VV	22	560	0.23%	0.128%
135	11.237	11.231	11.244	VV	16	113	0.05%	0.026%
136	11.272	11.244	11.318	VV	25	587	0.24%	0.134%
137	11.356	11.318	11.367	VV	20	384	0.16%	0.087%
138	11.436	11.367	11.462	VV	55	1991	0.83%	0.453%
139	11.476	11.462	11.487	VV	50	536	0.22%	0.122%
140	11.505	11.487	11.534	VV	40	642	0.27%	0.146%
141	11.542	11.534	11.554	VV	23	195	0.08%	0.044%

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142	11.584	11.554	11.594	VV	33	510	0.21%	0.116%
143	11.607	11.594	11.617	VV	23	232	0.10%	0.053%
144	11.633	11.617	11.675	VV	24	505	0.21%	0.115%
145	11.685	11.675	11.704	VV	18	203	0.08%	0.046%
146	11.719	11.704	11.726	VV	20	182	0.08%	0.041%
147	11.741	11.726	11.766	VV	27	471	0.20%	0.107%
148	11.773	11.766	11.784	VV	26	226	0.09%	0.051%
149	11.795	11.784	11.827	VV	26	496	0.21%	0.113%
150	11.838	11.827	11.847	VV	29	243	0.10%	0.055%
151	11.859	11.847	11.877	VV	28	386	0.16%	0.088%
152	11.920	11.877	11.933	VV	41	888	0.37%	0.202%
153	11.947	11.933	12.008	VV	25	745	0.31%	0.170%
154	12.024	12.008	12.032	VV	13	129	0.05%	0.029%
155	12.041	12.032	12.052	VV	24	178	0.07%	0.040%
156	12.062	12.052	12.092	VV	28	430	0.18%	0.098%
157	12.104	12.092	12.118	VV	15	189	0.08%	0.043%
158	12.128	12.118	12.141	VV	23	240	0.10%	0.055%
159	12.149	12.141	12.167	VV	17	201	0.08%	0.046%
160	12.178	12.167	12.213	VV	21	396	0.16%	0.090%
161	12.227	12.213	12.239	VV	22	186	0.08%	0.042%
162	12.280	12.239	12.288	VV	26	428	0.18%	0.097%
163	12.297	12.288	12.309	VV	36	306	0.13%	0.070%
164	12.333	12.309	12.369	VV	28	725	0.30%	0.165%
165	12.379	12.369	12.397	VV	22	219	0.09%	0.050%
166	12.419	12.397	12.432	VV	26	313	0.13%	0.071%
167	12.453	12.432	12.461	VV	15	182	0.08%	0.041%
168	12.493	12.461	12.508	VV	15	350	0.15%	0.080%
169	12.537	12.508	12.550	VV	28	488	0.20%	0.111%
170	12.557	12.550	12.562	VV	33	180	0.07%	0.041%
171	12.572	12.562	12.587	VV	30	387	0.16%	0.088%
172	12.627	12.587	12.648	VV	41	1069	0.44%	0.243%
173	12.659	12.648	12.668	VV	37	395	0.16%	0.090%
174	12.687	12.668	12.696	VV	40	579	0.24%	0.132%
175	12.759	12.696	12.787	VV	56	2381	0.99%	0.542%
176	12.803	12.787	12.830	VV	47	944	0.39%	0.215%
177	12.863	12.830	12.873	VV	54	929	0.39%	0.212%
178	12.882	12.873	12.888	VV	56	445	0.19%	0.101%
179	12.912	12.888	12.927	VV	56	1048	0.44%	0.239%
180	12.941	12.927	12.969	VV	42	859	0.36%	0.195%
181	12.982	12.969	12.988	VV	28	256	0.11%	0.058%
182	13.001	12.988	13.010	VV	35	345	0.14%	0.079%
183	13.021	13.010	13.035	VV	33	378	0.16%	0.086%
184	13.048	13.035	13.072	VV	49	770	0.32%	0.175%
185	13.084	13.072	13.099	VV	30	402	0.17%	0.092%
186	13.105	13.099	13.110	VV	29	150	0.06%	0.034%
187	13.128	13.110	13.135	VV	30	378	0.16%	0.086%
188	13.177	13.135	13.265	VV	62	3199	1.33%	0.728%
189	13.278	13.265	13.294	VV	30	393	0.16%	0.090%
190	13.308	13.294	13.334	VV	32	416	0.17%	0.095%
191	13.349	13.334	13.399	VV	27	645	0.27%	0.147%
192	13.407	13.399	13.416	VV	18	129	0.05%	0.029%
193	13.434	13.416	13.445	VV	28	342	0.14%	0.078%
194	13.453	13.445	13.485	VV	32	511	0.21%	0.116%

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195	13.494	13.485	13.514	VV	24	283	0.12%	0.064%	
196	13.529	13.514	13.572	VV	28	686	0.29%	0.156%	
197	13.581	13.572	13.638	VV	21	663	0.28%	0.151%	
198	13.660	13.638	13.681	VV	20	398	0.17%	0.090%	
199	13.740	13.681	13.758	VV	26	854	0.36%	0.194%	
200	13.771	13.758	13.781	VV	28	275	0.11%	0.063%	
201	13.805	13.781	13.819	VV	35	586	0.24%	0.133%	
202	13.850	13.819	13.860	VV	40	749	0.31%	0.170%	
203	13.879	13.860	13.894	VV	48	764	0.32%	0.174%	
204	13.942	13.894	13.961	VV	64	1855	0.77%	0.422%	
205	13.981	13.961	14.006	VV	44	910	0.38%	0.207%	
206	14.083	14.006	14.095	VV	151	4934	2.05%	1.123%	
207	14.114	14.095	14.126	VV	157	2723	1.13%	0.620%	
208	14.134	14.126	14.156	VV	154	2552	1.06%	0.581%	
209	14.164	14.156	14.270	VV	125	4324	1.80%	0.984%	
210	14.277	14.270	14.299	VV	30	362	0.15%	0.082%	
211	14.308	14.299	14.329	VV	21	355	0.15%	0.081%	
212	14.344	14.329	14.362	VV	37	528	0.22%	0.120%	
213	14.412	14.362	14.423	VV	45	1215	0.51%	0.277%	
214	14.431	14.423	14.465	VV	40	573	0.24%	0.130%	
215	14.471	14.465	14.495	VV	21	290	0.12%	0.066%	
216	14.505	14.495	14.531	VV	20	325	0.14%	0.074%	
217	14.598	14.531	14.609	VV	26	787	0.33%	0.179%	
218	14.618	14.609	14.633	VV	38	282	0.12%	0.064%	
219	14.641	14.633	14.650	VV	16	105	0.04%	0.024%	
220	14.658	14.650	14.680	VV	18	159	0.07%	0.036%	
221	14.689	14.680	14.697	VV	11	67	0.03%	0.015%	
222	14.723	14.697	14.733	PV	13	160	0.07%	0.036%	
223	14.755	14.733	14.785	VV	25	317	0.13%	0.072%	
224	14.794	14.785	14.813	VV	25	201	0.08%	0.046%	
225	14.821	14.813	14.832	VV	22	166	0.07%	0.038%	
226	14.852	14.832	14.877	VV	23	382	0.16%	0.087%	
227	14.891	14.877	14.914	VV	21	251	0.10%	0.057%	
228	14.925	14.914	14.933	VV	18	121	0.05%	0.028%	
229	14.980	14.933	14.991	VV	30	673	0.28%	0.153%	
230	15.062	14.991	15.119	VV	91	4301	1.79%	0.979%	
231	15.144	15.119	15.164	VV	50	668	0.28%	0.152%	
232	15.223	15.164	15.236	VV	26	674	0.28%	0.154%	
233	15.245	15.236	15.265	VV	30	419	0.17%	0.095%	
234	15.276	15.265	15.306	VV	23	473	0.20%	0.108%	
235	15.317	15.306	15.340	VV	37	456	0.19%	0.104%	
236	15.351	15.340	15.364	VV	44	442	0.18%	0.101%	
237	15.376	15.364	15.385	VV	42	369	0.15%	0.084%	
238	15.392	15.385	15.401	VV	31	284	0.12%	0.065%	
239	15.418	15.401	15.428	VV	38	527	0.22%	0.120%	
240	15.432	15.428	15.450	VV	43	461	0.19%	0.105%	
241	15.460	15.450	15.476	VV	41	564	0.23%	0.128%	
242	15.488	15.476	15.495	VV	39	368	0.15%	0.084%	
243	15.507	15.495	15.564	VV	45	1045	0.44%	0.238%	
244	15.573	15.564	15.600	VV	36	377	0.16%	0.086%	
245	15.613	15.600	15.624	VV	27	228	0.10%	0.052%	
246	15.636	15.624	15.648	VV	29	330	0.14%	0.075%	

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247	15.663	15.648	15.682	VV	36	501	0.21%	0.114%	
248	15.686	15.682	15.705	VV	27	296	0.12%	0.067%	
249	15.734	15.705	15.768	VV	35	909	0.38%	0.207%	
250	15.798	15.768	15.841	VV	54	1552	0.65%	0.353%	
251	15.861	15.841	15.871	VV	29	458	0.19%	0.104%	
252	15.885	15.871	15.898	VV	28	351	0.15%	0.080%	
253	15.913	15.898	15.924	VV	30	355	0.15%	0.081%	
254	15.952	15.924	15.963	VV	44	791	0.33%	0.180%	
255	15.971	15.963	15.981	VV	37	324	0.14%	0.074%	
256	15.998	15.981	16.015	VV	53	658	0.27%	0.150%	
257	16.023	16.015	16.056	VV	30	443	0.18%	0.101%	
258	16.074	16.056	16.083	VV	19	230	0.10%	0.052%	
259	16.100	16.083	16.111	VV	33	343	0.14%	0.078%	
260	16.187	16.111	16.208	PV	80	2596	1.08%	0.591%	
261	16.232	16.208	16.246	VV	64	1332	0.55%	0.303%	
262	16.258	16.246	16.312	VV	67	1467	0.61%	0.334%	
263	16.368	16.312	16.378	VV	36	1044	0.43%	0.238%	
264	16.392	16.378	16.439	VV	37	883	0.37%	0.201%	
265	16.449	16.439	16.464	VV	23	296	0.12%	0.067%	
266	16.471	16.464	16.500	VV	24	324	0.13%	0.074%	
267	16.523	16.500	16.531	VV	19	280	0.12%	0.064%	
268	16.555	16.531	16.585	VV	28	508	0.21%	0.116%	
269	16.610	16.585	16.621	VV	24	390	0.16%	0.089%	
270	16.630	16.621	16.642	VV	24	212	0.09%	0.048%	
271	16.658	16.642	16.667	VV	18	194	0.08%	0.044%	
272	16.687	16.667	16.717	VV	27	531	0.22%	0.121%	
273	16.739	16.717	16.752	VV	38	511	0.21%	0.116%	
274	16.848	16.752	16.862	PV	28	1194	0.50%	0.272%	
275	16.874	16.862	16.884	VV	28	193	0.08%	0.044%	
276	16.917	16.884	16.926	VV	18	318	0.13%	0.072%	
277	16.949	16.926	16.962	VV	27	372	0.16%	0.085%	
278	16.970	16.962	16.986	VV	19	142	0.06%	0.032%	
279	17.000	16.986	17.039	PV	34	499	0.21%	0.114%	
280	17.050	17.039	17.076	VV	32	388	0.16%	0.088%	

Sum of corrected areas: 439348

FB053025.M Wed Jun 04 02:14:55 2025



CALIBRATION SUMMARY

GASOLINE RANGE ORGANICS INITIAL CALIBRATION SUMMARY

Lab Name: Chemtech Contract: CAMP02
 ProjectID: South River WM Replacement
 Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG No.: Q2150

Calibration Sequence : FB053025		Test : Gasoline Range Organics	
Concentration (PPB)	Area Count	Reference Factor	File ID
45	830381	18453	FB031830.D
90	1396763	15520	FB031831.D
180	3195662	17754	FB031832.D
450	7995761	17768	FB031833.D
900	15052883	16725	FB031834.D
AVG RF : 17244		% RSD : 6.636	AVG RT : 8.7982

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.: Q2150 SAS No.: Q2150 SDG No.: Q2150
DataFile: FB031836.D Analyst Name: YP/AJ Analyst Date: 06-02-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	3546631	19704	17244	14.266

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060225\
 Data File : FB031836.D
 Signal(s) : FID2B.CH
 Acq On : 2 Jun 2025 12:00
 Operator : YP/AJ
 Sample : 20 PPB GRO STD
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 FID_B
 ClientSampleId :
 20 PPB GRO STD

Integration File: Calibration.e
 Quant Time: Jun 03 05:26:38 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
 Quant Title :
 QLast Update : Fri May 30 15:30:47 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
5) s AAA-TFT	8.792	231607	18.980 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.704	487794	28.645 ng/ml
2) t 2,2,4-Trimethylpentane	7.417	597855	29.060 ng/ml
3) t n-Heptane	7.751	158098	9.244 ng/ml
4) t Benzene	7.890	239804	12.063 ng/ml
6) t Toluene	10.622	723076	38.452 ng/ml
7) t Ethylbenzene	13.059	201515	13.218 ng/ml
8) t m-Xylene	13.192	419430	24.557 ng/ml
9) t O-Xylene	13.920	393818	24.839 ng/ml
10) t 1,2,4-Trimethylbenzene	16.195	325241	28.189 ng/ml

(f)=RT Delta > 1/2 Window

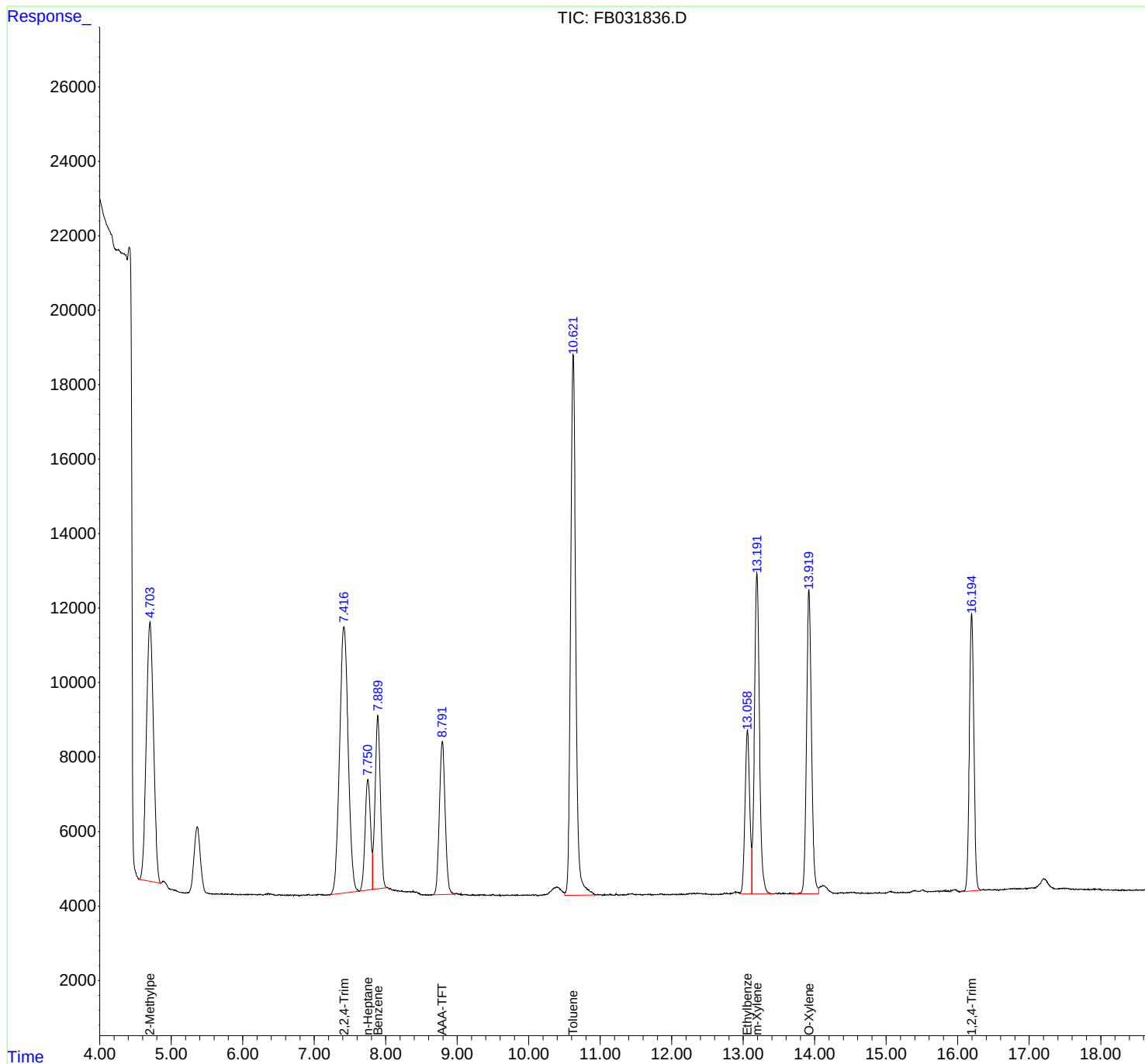
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060225\
Data File : FB031836.D
Signal(s) : FID2B.CH
Acq On : 2 Jun 2025 12:00
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Jun 03 05:26:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 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\FB060225\
Data File : FB031836.D
Signal(s) : FID2B.CH
Acq On : 2 Jun 2025 12:00
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.704	4.546	4.857	BV	6966	487794	67.46%	12.911%
2	7.417	7.206	7.628	BV	7156	597855	82.68%	15.824%
3	7.751	7.628	7.817	PV	2974	158098	21.86%	4.184%
4	7.890	7.817	8.016	VV	4663	239804	33.16%	6.347%
5	8.792	8.648	8.968	PV	4119	231607	32.03%	6.130%
6	10.622	10.502	10.958	VV	14518	723076	100.00%	19.138%
7	13.059	12.949	13.120	VV	4417	201515	27.87%	5.334%
8	13.192	13.120	13.422	VV	8607	419430	58.01%	11.101%
9	13.920	13.669	14.054	BV	8156	393818	54.46%	10.423%
10	16.195	16.018	16.320	PV	7444	325241	44.98%	8.608%

Sum of corrected areas: 3778237

FB053025.M Tue Jun 03 05:50:29 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.: Q2150 SAS No.: Q2150 SDG No.: Q2150
DataFile: FB031846.D Analyst Name: YP/AJ Analyst Date: 06-02-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	3329157	18495	17244	7.255

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060225\
 Data File : FB031846.D
 Signal(s) : FID2B.CH
 Acq On : 2 Jun 2025 17:00
 Operator : YP/AJ
 Sample : 20 PPB GRO STD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 FID_B
 ClientSampleId :
 20 PPB GRO STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/03/2025
 Supervised By :mohammad ahmed 06/04/2025

Integration File: Calibration.e
 Quant Time: Jun 03 05:28:13 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
 Quant Title :
 QLast Update : Fri May 30 15:30:47 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	237306	19.447 ng/mlm
Target Compounds			
1) t 2-Methylpentane	4.705	442608	25.992 ng/ml
2) t 2,2,4-Trimethylpentane	7.417	559295	27.186 ng/ml
3) t n-Heptane	7.753	146617	8.572 ng/ml
4) t Benzene	7.888	235119	11.828 ng/mlm
6) t Toluene	10.621	673126	35.796 ng/ml
7) t Ethylbenzene	13.058	191646	12.571 ng/ml
8) t m-Xylene	13.191	394575	23.102 ng/ml
9) t O-Xylene	13.918	373633	23.566 ng/ml
10) t 1,2,4-Trimethylbenzene	16.194	312538	27.088 ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060225\
Data File : FB031846.D
Signal(s) : FID2B.CH
Acq On : 2 Jun 2025 17:00
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 13 Sample Multiplier: 1

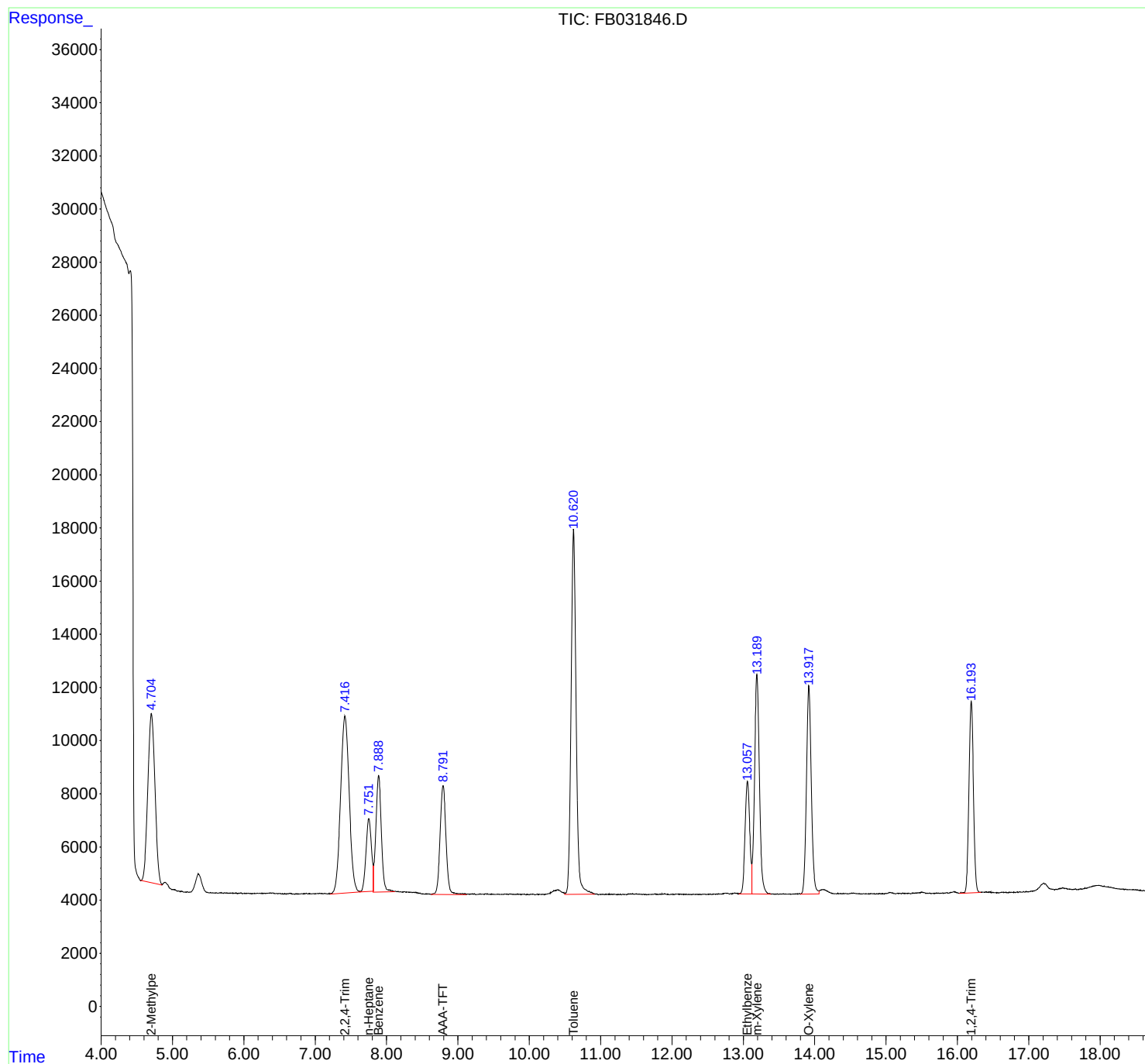
Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/03/2025
Supervised By :mohammad ahmed 06/04/2025

Integration File: Calibration.e
Quant Time: Jun 03 05:28:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 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 06/03/2025
Supervised By :mohammad ahmed 06/04/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB06022
Data File : FB031846.D
Signal(s) : FID2B.CH
Acq On : 2 Jun 2025 17:00
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.705	4.548	4.852	BV	6363	442608	65.75%	12.481%
2	7.417	7.206	7.632	PV	6658	559295	83.09%	15.772%
3	7.753	7.632	7.817	VV	2740	146617	21.78%	4.135%
4	7.889	7.817	8.030	VV	4336	224410	33.34%	6.328%
5	8.793	8.623	8.943	BV	4070	227711	33.83%	6.421%
6	10.621	10.496	10.917	VV	13742	673126	100.00%	18.982%
7	13.058	12.943	13.120	BV	4239	191646	28.47%	5.404%
8	13.191	13.120	13.388	VV	8257	394575	58.62%	11.127%
9	13.918	13.797	14.062	PV	7840	373633	55.51%	10.536%
10	16.194	16.024	16.330	PB	7195	312538	46.43%	8.813%

Sum of corrected areas: 3546158

FB053025.M Tue Jun 03 05:52:41 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.: Q2150 SAS No.: Q2150 SDG No.: Q2150
DataFile: FB031855.D Analyst Name: YP/AJ Analyst Date: 06-02-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	3172518	17625	17244	2.209

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060225\
 Data File : FB031855.D
 Signal(s) : FID2B.CH
 Acq On : 2 Jun 2025 21:34
 Operator : YP/AJ
 Sample : 20 PPB GRO STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_B
 ClientSampleId :
 20 PPB GRO STD

Integration File: Calibration.e
 Quant Time: Jun 03 05:30:01 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
 Quant Title :
 QLast Update : Fri May 30 15:30:47 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
5) s AAA-TFT	8.792	241801	19.816 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.702	428519	25.164 ng/ml
2) t 2,2,4-Trimethylpentane	7.417	536250	26.066 ng/ml
3) t n-Heptane	7.752	145453	8.504 ng/ml
4) t Benzene	7.888	218310	10.982 ng/ml
6) t Toluene	10.621	626323	33.307 ng/ml
7) t Ethylbenzene	13.057	183389	12.029 ng/ml
8) t m-Xylene	13.191	376664	22.053 ng/ml
9) t O-Xylene	13.918	356543	22.488 ng/ml
10) t 1,2,4-Trimethylbenzene	16.193	301067	26.094 ng/ml

(f)=RT Delta > 1/2 Window

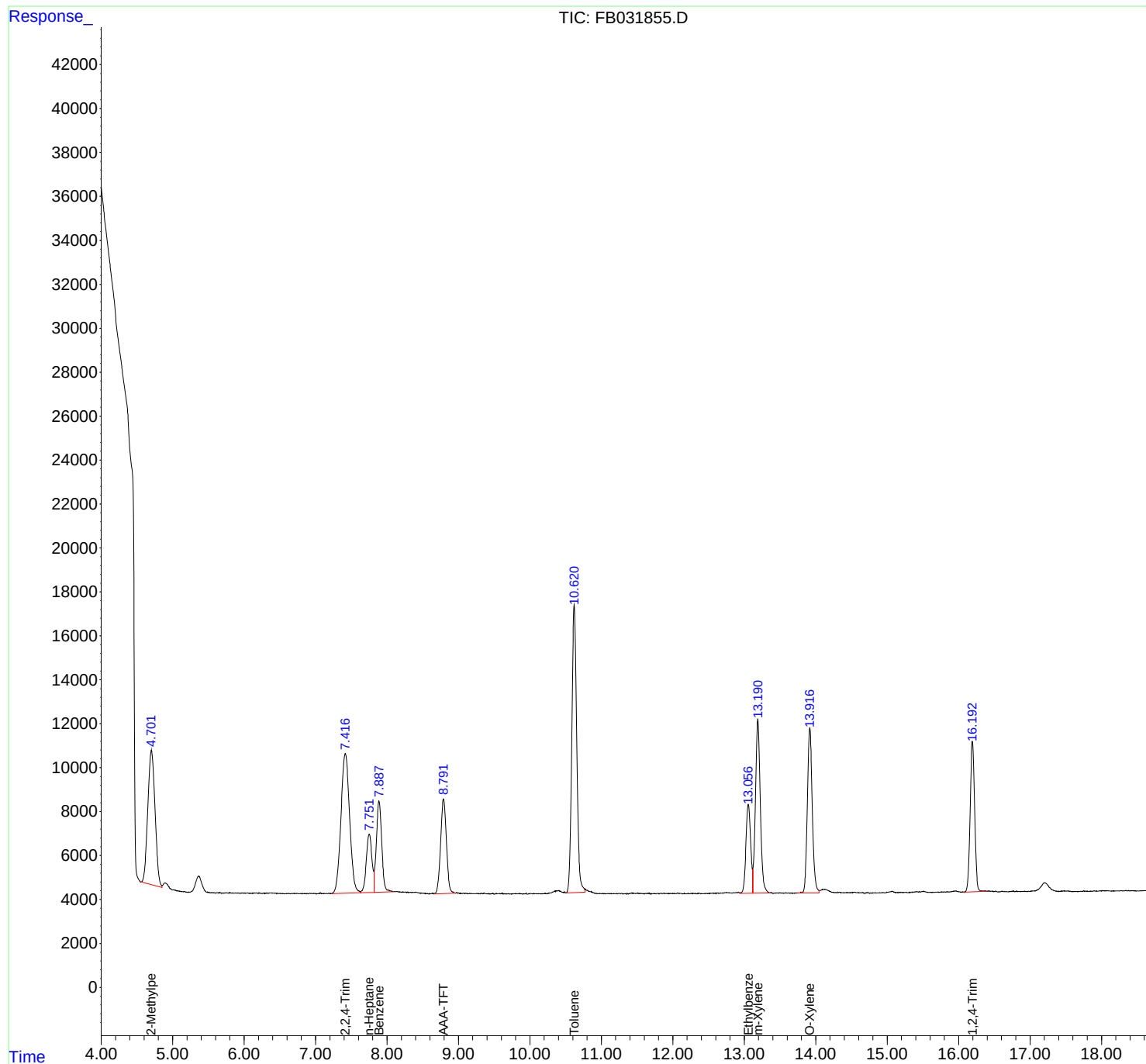
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060225\
Data File : FB031855.D
Signal(s) : FID2B.CH
Acq On : 2 Jun 2025 21:34
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Jun 03 05:30:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 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\FB060225\
Data File : FB031855.D
Signal(s) : FID2B.CH
Acq On : 2 Jun 2025 21:34
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.702	4.548	4.851	BV	6127	428519	68.42%	12.551%
2	7.417	7.224	7.632	PV	6363	536250	85.62%	15.706%
3	7.752	7.632	7.818	VV	2656	145453	23.22%	4.260%
4	7.888	7.818	8.090	VV	4153	218310	34.86%	6.394%
5	8.792	8.655	8.964	PV	4312	241801	38.61%	7.082%
6	10.621	10.510	10.772	VV	13089	626323	100.00%	18.344%
7	13.057	12.940	13.118	VV	4048	183389	29.28%	5.371%
8	13.191	13.118	13.360	VV	7931	376664	60.14%	11.032%
9	13.918	13.742	14.048	BV	7507	356543	56.93%	10.443%
10	16.193	16.076	16.403	PBA	6860	301067	48.07%	8.818%

Sum of corrected areas: 3414320

FB053025.M Tue Jun 03 05:53:39 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.: Q2150 SAS No.: Q2150 SDG No.: Q2150
DataFile: FB031856.D Analyst Name: YP/AJ Analyst Date: 06-03-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	3159181	17551	17244	1.78

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060325\
 Data File : FB031856.D
 Signal(s) : FID2B.CH
 Acq On : 3 Jun 2025 9:12
 Operator : YP/AJ
 Sample : 20 PPB GRO STD
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 FID_B
 ClientSampleId :
 20 PPB GRO STD

Integration File: Calibration.e
 Quant Time: Jun 04 08:32:24 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
 Quant Title :
 QLast Update : Fri May 30 15:30:47 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
5) s AAA-TFT	8.789	207557	17.009 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.703	431091	25.315 ng/ml
2) t 2,2,4-Trimethylpentane	7.413	527522	25.641 ng/ml
3) t n-Heptane	7.749	137784	8.056 ng/ml
4) t Benzene	7.886	207391	10.433 ng/ml
6) t Toluene	10.618	642597	34.173 ng/ml
7) t Ethylbenzene	13.054	181713	11.919 ng/ml
8) t m-Xylene	13.188	375797	22.003 ng/ml
9) t O-Xylene	13.915	360350	22.728 ng/ml
10) t 1,2,4-Trimethylbenzene	16.190	294936	25.562 ng/ml

(f)=RT Delta > 1/2 Window

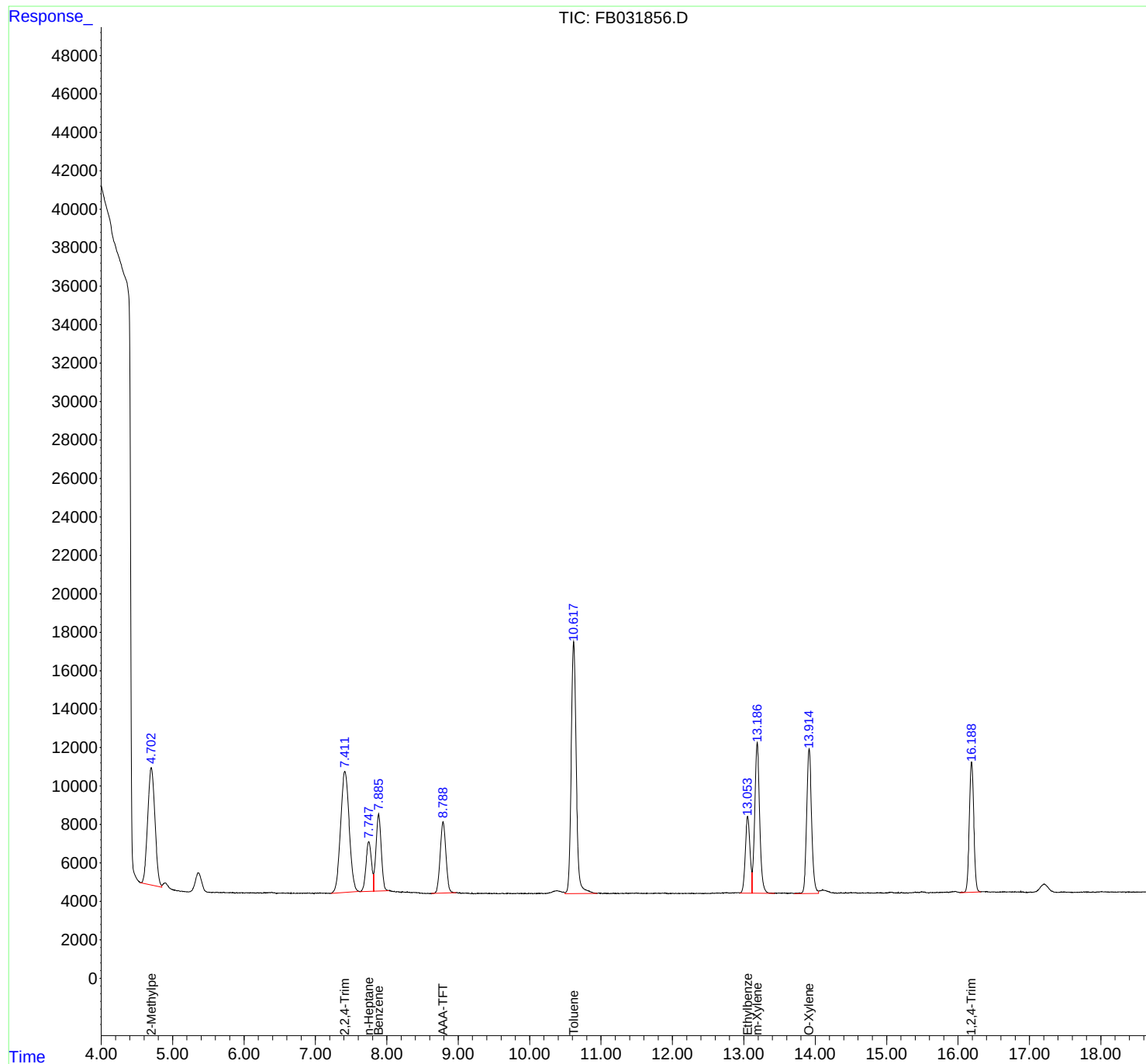
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060325\
Data File : FB031856.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 9:12
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Jun 04 08:32:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 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\FB060325\
Data File : FB031856.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 9:12
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.703	4.548	4.849	BV	6107	431091	67.09%	12.804%
2	7.413	7.217	7.605	PV	6295	527522	82.09%	15.669%
3	7.749	7.624	7.814	BV	2589	137784	21.44%	4.093%
4	7.886	7.814	8.032	VV	4022	207391	32.27%	6.160%
5	8.789	8.623	8.974	BV	3713	207557	32.30%	6.165%
6	10.618	10.494	10.947	VV	13077	642597	100.00%	19.087%
7	13.054	12.948	13.116	BV	4000	181713	28.28%	5.397%
8	13.188	13.116	13.436	VV	7835	375797	58.48%	11.162%
9	13.915	13.708	14.045	BV	7523	360350	56.08%	10.703%
10	16.190	16.035	16.319	PV	6778	294936	45.90%	8.760%

Sum of corrected areas: 3366739

FB053025.M Wed Jun 04 08:32:54 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.: Q2150 SAS No.: Q2150 SDG No.: Q2150
DataFile: FB031866.D Analyst Name: YP/AJ Analyst Date: 06-03-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	2960940	16450	17244	4.605

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060325\
 Data File : FB031866.D
 Signal(s) : FID2B.CH
 Acq On : 3 Jun 2025 14:52
 Operator : YP/AJ
 Sample : 20 PPB GRO STD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 FID_B
 ClientSampleId :
 20 PPB GRO STD

Integration File: Calibration.e
 Quant Time: Jun 04 01:21:31 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
 Quant Title :
 QLast Update : Fri May 30 15:30:47 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
5) s AAA-TFT	8.790	247729	20.302 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.700	396540	23.286 ng/ml
2) t 2,2,4-Trimethylpentane	7.414	493456	23.985 ng/ml
3) t n-Heptane	7.749	124546	7.282 ng/ml
4) t Benzene	7.888	191501	9.633 ng/ml
6) t Toluene	10.619	597857	31.793 ng/ml
7) t Ethylbenzene	13.055	172023	11.284 ng/ml
8) t m-Xylene	13.188	358206	20.973 ng/ml
9) t O-Xylene	13.916	341192	21.520 ng/ml
10) t 1,2,4-Trimethylbenzene	16.191	285619	24.755 ng/ml

(f)=RT Delta > 1/2 Window

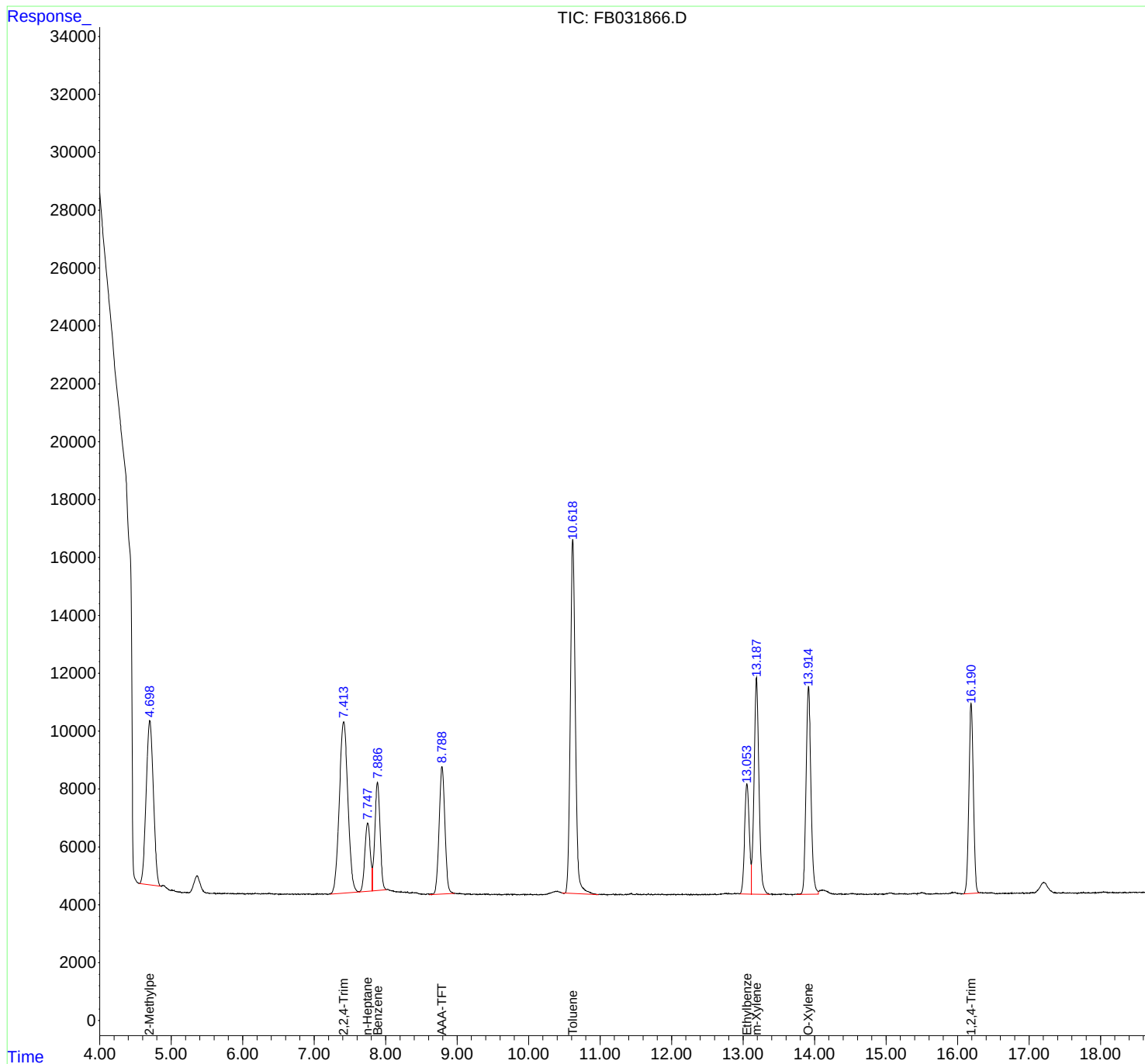
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060325\
Data File : FB031866.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 14:52
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Jun 04 01:21:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 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\FB060325\
Data File : FB031866.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 14:52
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.700	4.554	4.852	BV	5677	396540	66.33%	12.358%
2	7.414	7.225	7.638	PV	5921	493456	82.54%	15.379%
3	7.749	7.638	7.814	PV	2357	124546	20.83%	3.882%
4	7.888	7.814	8.012	VV	3731	191501	32.03%	5.968%
5	8.790	8.615	8.960	PV	4403	247729	41.44%	7.721%
6	10.619	10.466	10.978	BV	12228	597857	100.00%	18.633%
7	13.055	12.957	13.116	BV	3810	172023	28.77%	5.361%
8	13.188	13.116	13.374	VV	7482	358206	59.91%	11.164%
9	13.916	13.744	14.053	PV	7184	341192	57.07%	10.633%
10	16.191	16.080	16.309	BV	6564	285619	47.77%	8.901%

Sum of corrected areas: 3208669

FB053025.M Wed Jun 04 02:09:42 2025

Analytical Sequence

Client: CDM Smith

SDG No.: Q2150

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 8.7982					
EPA SAMPLE NO.	LAB SAMPLE ID	DATE AND TIME ANALYZED	DATAFILE	RT	#
20 PPB GRO STD	20 PPB GRO STD	2 Jun 2025 12:00	FB031836.D	8.792	
VBF0602S1	VBF0602S1	2 Jun 2025 12:52	FB031837.D	8.791	
BSF0602S1	BSF0602S1	2 Jun 2025 13:47	FB031839.D	8.790	
TP-44	Q2150-01	2 Jun 2025 14:15	FB031840.D	8.790	
TP-39	Q2150-03	2 Jun 2025 15:10	FB031842.D	8.791	
TP-47	Q2150-05	2 Jun 2025 16:06	FB031844.D	8.792	
BSF0602S2	BSF0602S2	2 Jun 2025 16:33	FB031845.D	8.792	
20 PPB GRO STD	20 PPB GRO STD	2 Jun 2025 17:00	FB031846.D	8.793	
TP-50	Q2150-06	2 Jun 2025 17:55	FB031847.D	8.793	
TP-51	Q2150-07	2 Jun 2025 18:23	FB031848.D	8.792	
TP-52	Q2150-08	2 Jun 2025 18:50	FB031849.D	8.792	
TP-42	Q2150-02	2 Jun 2025 20:12	FB031852.D	8.792	
20 PPB GRO STD	20 PPB GRO STD	2 Jun 2025 21:34	FB031855.D	8.792	
20 PPB GRO STD	20 PPB GRO STD	3 Jun 2025 9:12	FB031856.D	8.789	
VBF0603S1	VBF0603S1	3 Jun 2025 9:55	FB031857.D	8.788	
VBF0603S2	VBF0603S2	3 Jun 2025 10:23	FB031858.D	8.790	
BSF0603S1	BSF0603S1	3 Jun 2025 10:51	FB031859.D	8.790	
TP-54	Q2150-09	3 Jun 2025 11:18	FB031860.D	8.790	
TP-48	Q2150-04	3 Jun 2025 12:38	FB031862.D	8.787	
TP-53	Q2150-10	3 Jun 2025 13:05	FB031863.D	8.789	
BSF0603S2	BSF0603S2	3 Jun 2025 14:24	FB031865.D	8.788	
20 PPB GRO STD	20 PPB GRO STD	3 Jun 2025 14:52	FB031866.D	8.790	



QC SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VBF0602S1	SDG No.:	Q2150
Lab Sample ID:	VBF0602S1	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Decanted:	
GPC Factor :		Final Vol:	5
Prep Method :		Test:	Gasoline Range Organics
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031837.D	1	06/02/25 12:52	FB060225

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	18.6		50 - 150	93%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060225\
Data File : FB031837.D
Signal(s) : FID2B.CH
Acq On : 2 Jun 2025 12:52
Operator : YP/AJ
Sample : VBF0602S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0602S1

Integration File: Calibration.e
Quant Time: Jun 03 05:26:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 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	227223	18.621 ng/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

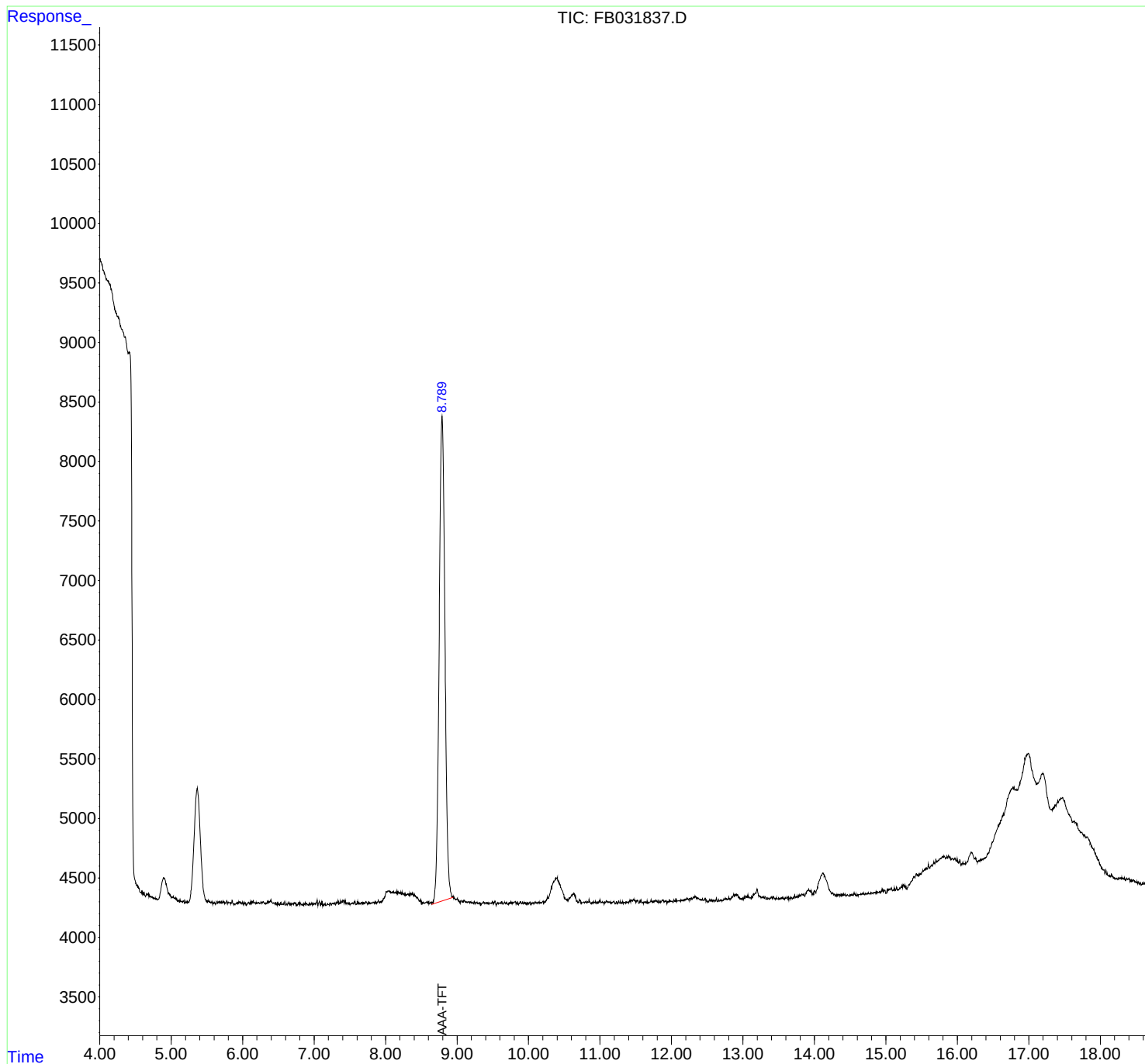
(m)=manual int.

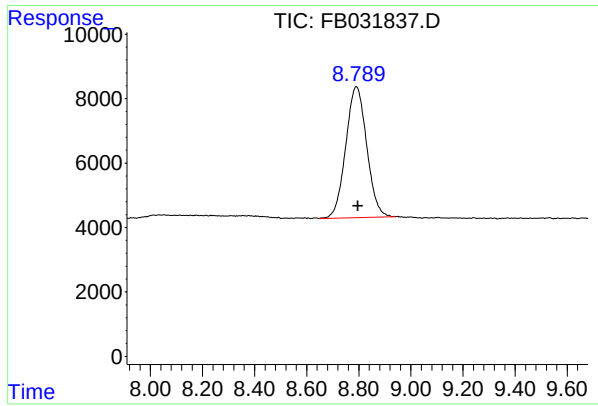
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060225\
Data File : FB031837.D
Signal(s) : FID2B.CH
Acq On : 2 Jun 2025 12:52
Operator : YP/AJ
Sample : VBF0602S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0602S1

Integration File: Calibration.e
Quant Time: Jun 03 05:26:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 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.: 8.791 min
Delta R.T.: -0.007 min
Response: 227223
Conc: 18.62 ng/ml

Instrument :
FID_B
ClientSampleId :
VBF0602S1

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060225\
Data File : FB031837.D
Signal(s) : FID2B.CH
Acq On : 2 Jun 2025 12:52
Sample : VBF0602S1
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\FB053025.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	8.791	8.648	8.943	PV	4070	227223	100.00%	100.000%
Sum of corrected areas:						227223		

FB053025.M Tue Jun 03 05:51:11 2025

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VBF0603S1	SDG No.:	Q2150
Lab Sample ID:	VBF0603S1	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
FB031857.D	1	06/03/25 9:55	FB060325

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	19.9		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\FB060325\
Data File : FB031857.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 9:55
Operator : YP/AJ
Sample : VBF0603S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0603S1

Integration File: Calibration.e
Quant Time: Jun 04 01:20:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 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	8.788	243047	19.918 ng/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

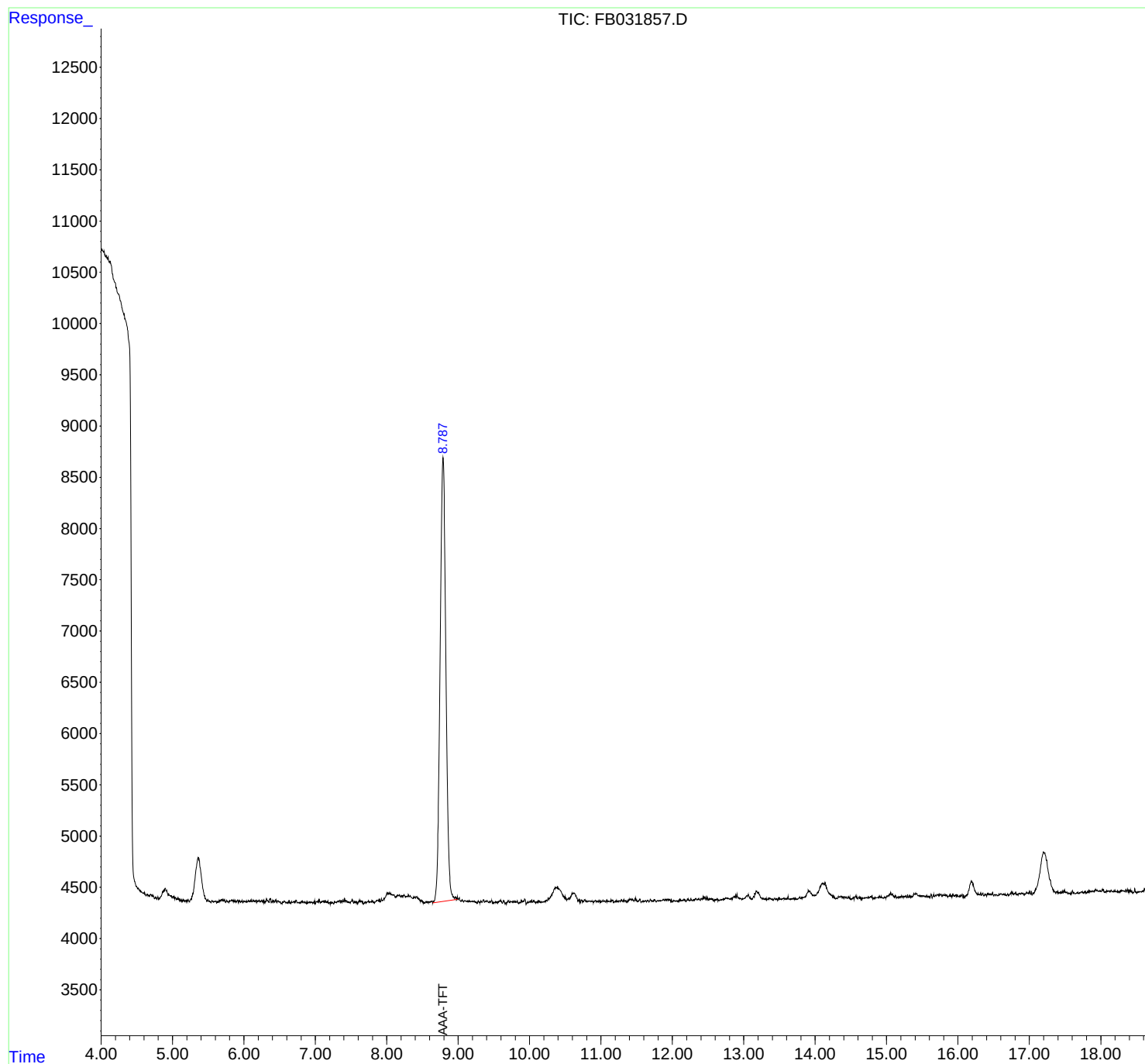
(m)=manual int.

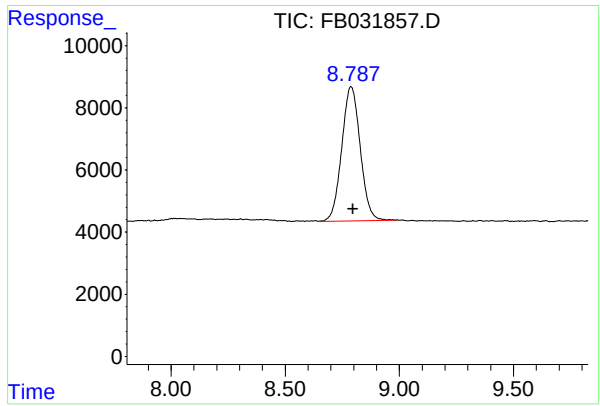
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060325\
Data File : FB031857.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 9:55
Operator : YP/AJ
Sample : VBF0603S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0603S1

Integration File: Calibration.e
Quant Time: Jun 04 01:20:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 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.: 8.788 min
Delta R.T.: -0.009 min
Response: 243047
Conc: 19.92 ng/ml

Instrument :
FID_B
ClientSampleId :
VBF0603S1

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060325\
Data File : FB031857.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 9:55
Sample : VBF0603S1
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\FB053025.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	8.788	8.648	8.985	BV	4325	243047	100.00%	100.000%
Sum of corrected areas:						243047		

FB053025.M Wed Jun 04 02:07:19 2025

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VBF0603S2	SDG No.:	Q2150
Lab Sample ID:	VBF0603S2	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
FB031858.D	50	06/03/25 10:23	FB060325

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	17.9		50 - 150	89%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060325\
Data File : FB031858.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 10:23
Operator : YP/AJ
Sample : VBF0603S2 50X
Misc : 5.00G/5.00 ML MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0603S2

Integration File: Calibration.e
Quant Time: Jun 04 01:20:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
5) s AAA-TFT	8.790	218220	17.883 ng/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

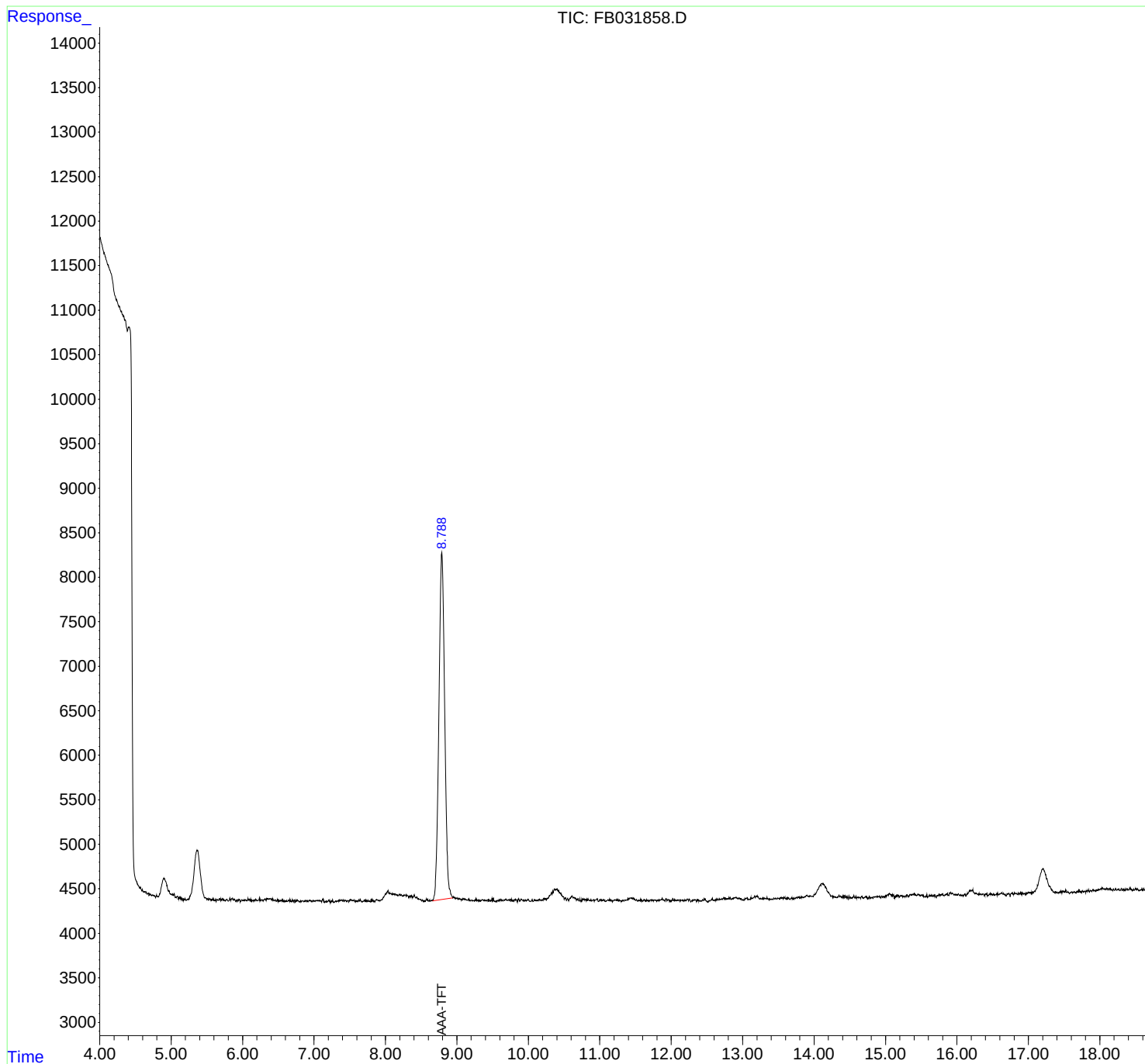
(m)=manual int.

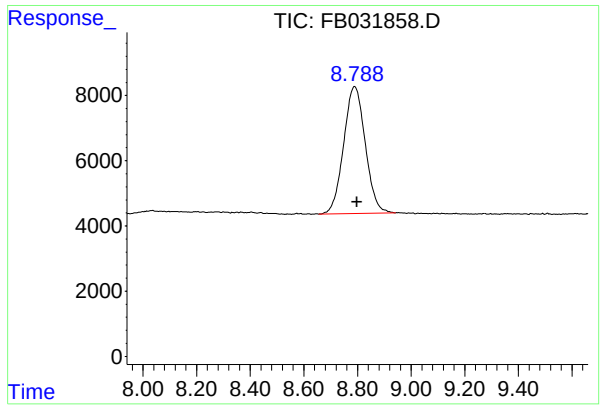
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060325\
Data File : FB031858.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 10:23
Operator : YP/AJ
Sample : VBF0603S2 50X
Misc : 5.00G/5.00 ML MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0603S2

Integration File: Calibration.e
Quant Time: Jun 04 01:20:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 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.: 8.790 min

Delta R.T.: -0.008 min

Response: 218220

Conc: 17.88 ng/ml

Instrument :

FID_B

ClientSampleId :

VBF0603S2

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060325\
Data File : FB031858.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 10:23
Sample : VBF0603S2 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\FB053025.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	8.790	8.655	8.943	PV	3899	218220	100.00%	100.000%
Sum of corrected areas:						218220		

FB053025.M Wed Jun 04 02:07:48 2025

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	BSF0602S1	SDG No.:	Q2150
Lab Sample ID:	BSF0602S1	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
FB031839.D	1	06/02/25 13:47	FB060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	221		8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	27.8		50 - 150	139%	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\FB060225\
 Data File : FB031839.D
 Signal(s) : FID2B.CH
 Acq On : 2 Jun 2025 13:47
 Operator : YP/AJ
 Sample : BSF0602S1
 Misc : 5.00G/5.00 ML DI WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 FID_B
 ClientSampleId :
 BSF0602S1

Integration File: Calibration.e
 Quant Time: Jun 03 05:27:09 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
 Quant Title :
 QLast Update : Fri May 30 15:30:47 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
5) s AAA-TFT	8.790	339650	27.834 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.702	522195	30.665 ng/ml
2) t 2,2,4-Trimethylpentane	7.414	640910	31.153 ng/ml
3) t n-Heptane	7.749	174231	10.187 ng/ml
4) t Benzene	7.887	271990	13.682 ng/ml
6) t Toluene	10.620	770275	40.962 ng/ml
7) t Ethylbenzene	13.057	215608	14.143 ng/ml
8) t m-Xylene	13.190	446038	26.115 ng/ml
9) t O-Xylene	13.917	419268	26.444 ng/ml
10) t 1,2,4-Trimethylbenzene	16.193	344013	29.816 ng/ml

(f)=RT Delta > 1/2 Window

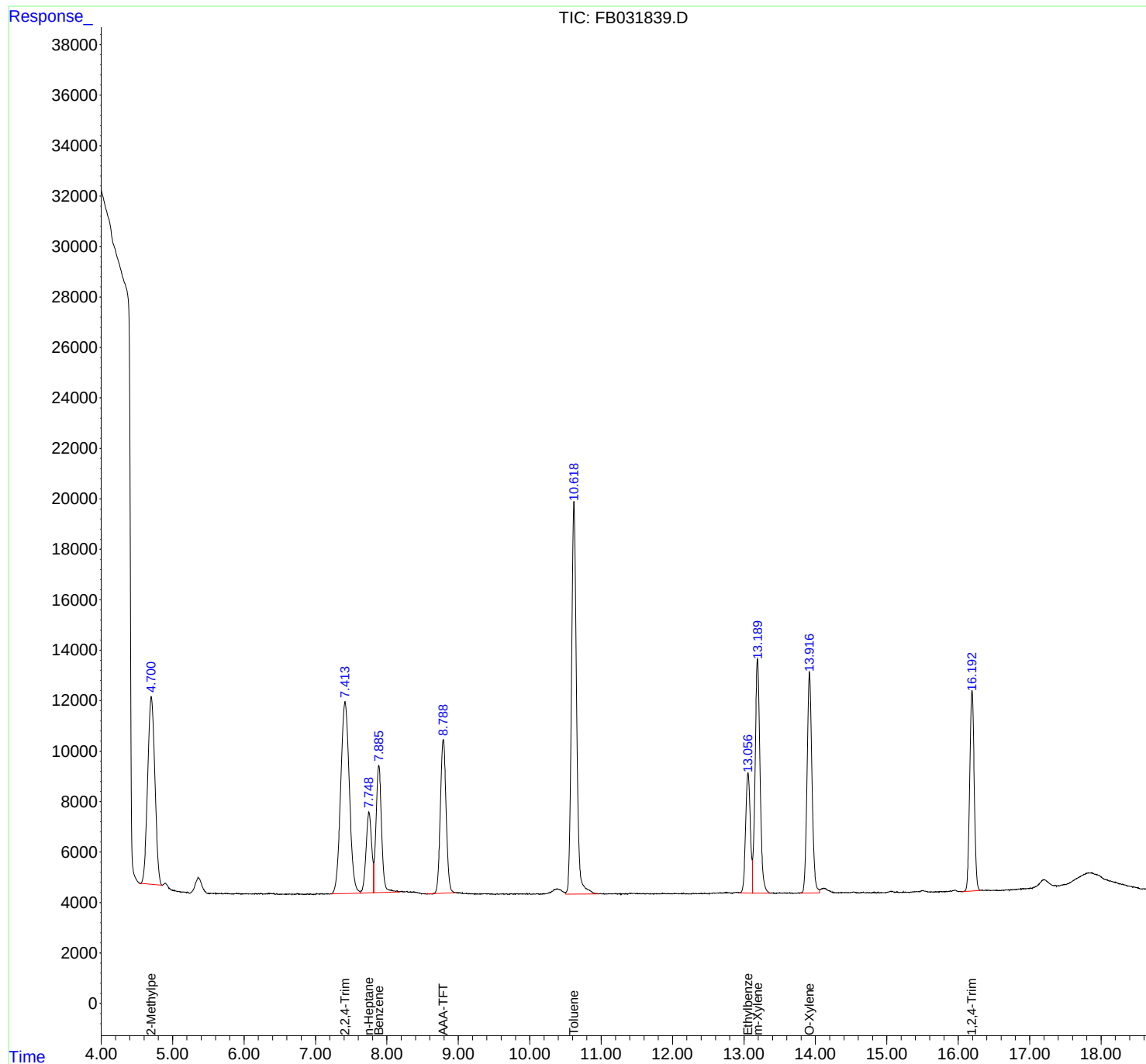
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060225\
Data File : FB031839.D
Signal(s) : FID2B.CH
Acq On : 2 Jun 2025 13:47
Operator : YP/AJ
Sample : BSF0602S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0602S1

Integration File: Calibration.e
Quant Time: Jun 03 05:27:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 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\FB060225\
Data File : FB031839.D
Signal(s) : FID2B.CH
Acq On : 2 Jun 2025 13:47
Sample : BSF0602S1
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\FB053025.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.702	4.537	4.853	BV	7443	522195	67.79%	12.601%
2	7.414	7.220	7.628	PV	7606	640910	83.21%	15.465%
3	7.749	7.628	7.815	VV	3206	174231	22.62%	4.204%
4	7.887	7.815	8.183	VV	5036	271990	35.31%	6.563%
5	8.790	8.545	8.957	BV	6092	339650	44.09%	8.196%
6	10.620	10.505	10.967	VV	15580	770275	100.00%	18.587%
7	13.057	12.945	13.118	VV	4764	215608	27.99%	5.203%
8	13.190	13.118	13.370	VV	9270	446038	57.91%	10.763%
9	13.917	13.796	14.057	VV	8762	419268	54.43%	10.117%
10	16.193	16.049	16.307	BV	7941	344013	44.66%	8.301%

Sum of corrected areas: 4144179

FB053025.M Tue Jun 03 05:51:48 2025

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	BSF0603S1	SDG No.:	Q2150
Lab Sample ID:	BSF0603S1	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
FB031859.D	1	06/03/25 10:51	FB060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	174		8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	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\FB060325\
 Data File : FB031859.D
 Signal(s) : FID2B.CH
 Acq On : 3 Jun 2025 10:51
 Operator : YP/AJ
 Sample : BSF0603S1
 Misc : 5.00G/5.00 ML DI WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 FID_B
 ClientSampleId :
 BSF0603S1

Integration File: Calibration.e
 Quant Time: Jun 04 01:20:25 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
 Quant Title :
 QLast Update : Fri May 30 15:30:47 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
5) s AAA-TFT	8.790	245621	20.129 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.702	407484	23.929 ng/ml
2) t 2,2,4-Trimethylpentane	7.413	501407	24.372 ng/ml
3) t n-Heptane	7.749	129770	7.587 ng/ml
4) t Benzene	7.887	208083	10.467 ng/ml
6) t Toluene	10.619	597830	31.792 ng/ml
7) t Ethylbenzene	13.056	171528	11.251 ng/ml
8) t m-Xylene	13.189	355408	20.809 ng/ml
9) t O-Xylene	13.916	341135	21.516 ng/ml
10) t 1,2,4-Trimethylbenzene	16.192	284759	24.680 ng/ml

(f)=RT Delta > 1/2 Window

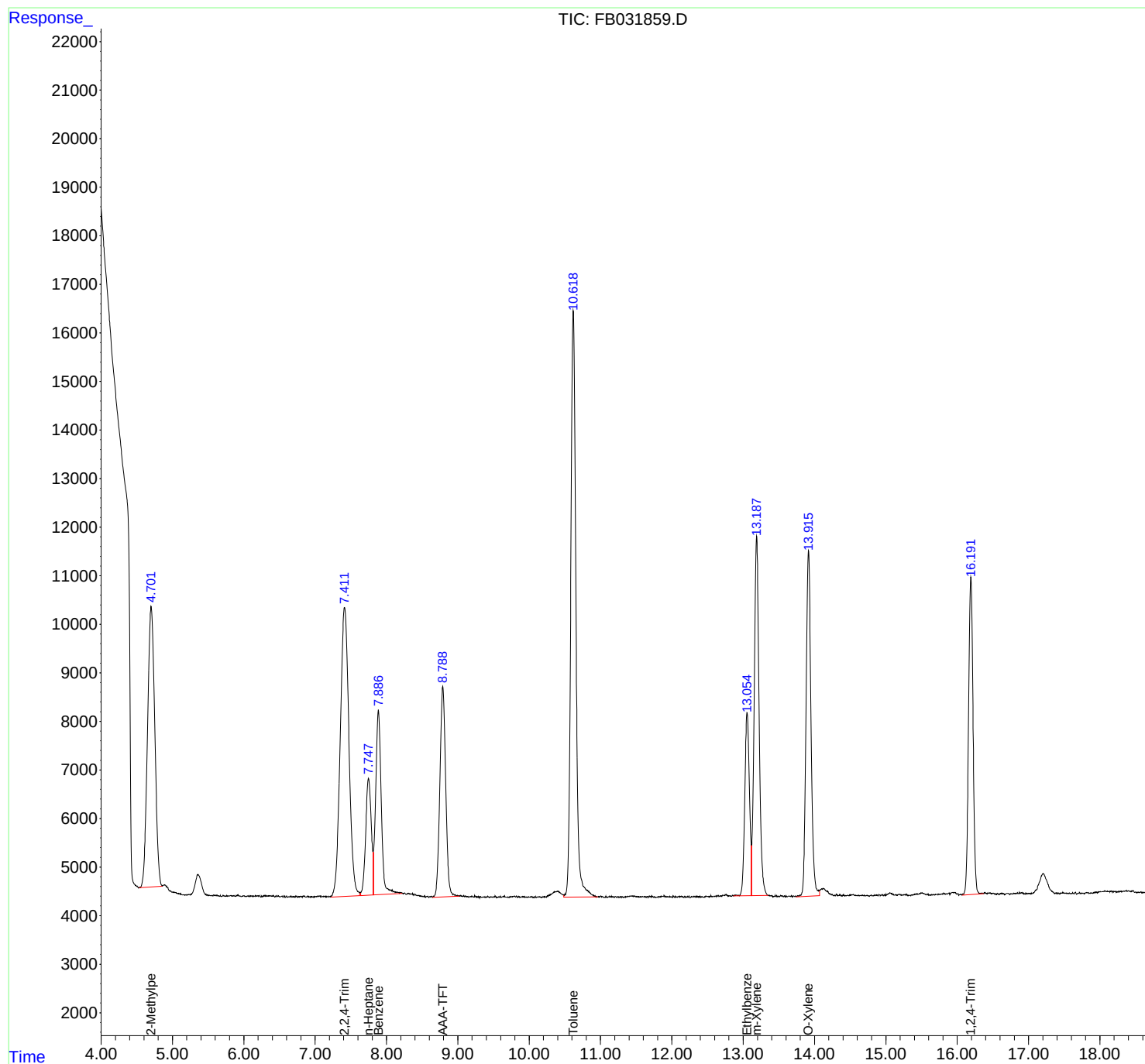
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060325\
Data File : FB031859.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 10:51
Operator : YP/AJ
Sample : BSF0603S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0603S1

Integration File: Calibration.e
Quant Time: Jun 04 01:20:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 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\FB060325\
Data File : FB031859.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 10:51
Sample : BSF0603S1
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\FB053025.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.702	4.532	4.858	BV	5777	407484	68.16%	12.565%
2	7.413	7.218	7.625	PV	5951	501407	83.87%	15.461%
3	7.749	7.637	7.814	VV	2404	129770	21.71%	4.002%
4	7.887	7.814	8.222	VB	3802	208083	34.81%	6.416%
5	8.790	8.645	9.024	PV	4338	245621	41.09%	7.574%
6	10.619	10.485	10.962	VV	12073	597830	100.00%	18.434%
7	13.056	12.862	13.116	VV	3767	171528	28.69%	5.289%
8	13.189	13.116	13.352	VV	7401	355408	59.45%	10.959%
9	13.916	13.744	14.069	VV	7115	341135	57.06%	10.519%
10	16.192	16.069	16.372	PV	6533	284759	47.63%	8.781%

Sum of corrected areas: 3243025

FB053025.M Wed Jun 04 02:08:24 2025

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	BSF0602S2	SDG No.:	Q2150
Lab Sample ID:	BSF0602S2	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Decanted:	
GPC Factor :		Final Vol:	5
Prep Method :		Test:	Gasoline Range Organics
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031845.D	1	06/02/25 16:33	FB060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	238		8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	20.3		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\FB060225\
 Data File : FB031845.D
 Signal(s) : FID2B.CH
 Acq On : 2 Jun 2025 16:33
 Operator : YP/AJ
 Sample : BSF0602S2
 Misc : 5.00G/5.00 ML DI WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 FID_B
 ClientSampleId :
 BSF0602S2

Integration File: Calibration.e
 Quant Time: Jun 03 05:28:01 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
 Quant Title :
 QLast Update : Fri May 30 15:30:47 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
5) s AAA-TFT	8.792	247609	20.292 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.703	558639	32.805 ng/ml
2) t 2,2,4-Trimethylpentane	7.416	693221	33.695 ng/ml
3) t n-Heptane	7.751	191134	11.175 ng/ml
4) t Benzene	7.889	283275	14.250 ng/ml
6) t Toluene	10.621	831184	44.201 ng/ml
7) t Ethylbenzene	13.057	237023	15.547 ng/ml
8) t m-Xylene	13.191	481718	28.204 ng/ml
9) t O-Xylene	13.918	451665	28.488 ng/ml
10) t 1,2,4-Trimethylbenzene	16.194	375667	32.559 ng/ml

(f)=RT Delta > 1/2 Window

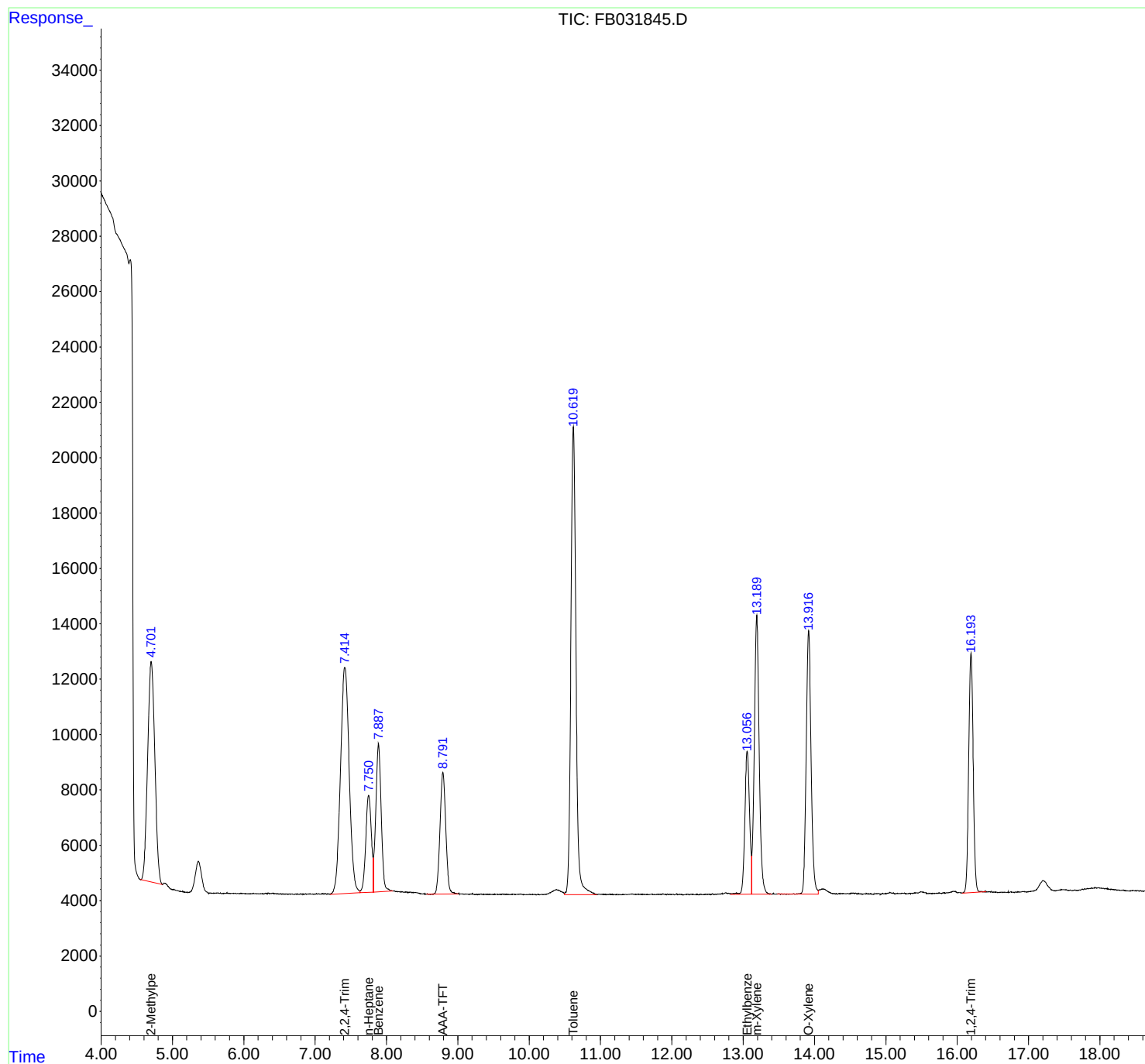
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060225\
Data File : FB031845.D
Signal(s) : FID2B.CH
Acq On : 2 Jun 2025 16:33
Operator : YP/AJ
Sample : BSF0602S2
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0602S2

Integration File: Calibration.e
Quant Time: Jun 03 05:28:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 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\FB060225\
Data File : FB031845.D
Signal(s) : FID2B.CH
Acq On : 2 Jun 2025 16:33
Sample : BSF0602S2
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 12 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.703	4.551	4.858	BV	7970	558639	67.21%	12.839%
2	7.416	7.208	7.630	PV	8170	693221	83.40%	15.932%
3	7.751	7.630	7.817	VV	3505	191134	23.00%	4.393%
4	7.889	7.817	8.091	VV	5361	283275	34.08%	6.510%
5	8.792	8.559	9.007	BV	4398	247609	29.79%	5.691%
6	10.621	10.496	10.952	VV	16901	831184	100.00%	19.103%
7	13.057	12.826	13.119	VV	5166	237023	28.52%	5.447%
8	13.191	13.119	13.399	VV	10076	481718	57.96%	11.071%
9	13.918	13.480	14.053	BV	9503	451665	54.34%	10.380%
10	16.194	16.069	16.403	PBA	8642	375667	45.20%	8.634%

Sum of corrected areas: 4351135

FB053025.M Tue Jun 03 05:52:19 2025

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	BSF0603S2	SDG No.:	Q2150
Lab Sample ID:	BSF0603S2	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Decanted:	
GPC Factor :		Final Vol:	5
Prep Method :		Test:	Gasoline Range Organics
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031865.D	1	06/03/25 14:24	FB060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	163		8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	19.6		50 - 150	98%	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\FB060325\
 Data File : FB031865.D
 Signal(s) : FID2B.CH
 Acq On : 3 Jun 2025 14:24
 Operator : YP/AJ
 Sample : BSF0603S2
 Misc : 5.00G/5.00 ML DI WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 FID_B
 ClientSampleId :
 BSF0603S2

Integration File: Calibration.e
 Quant Time: Jun 04 01:21:21 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
 Quant Title :
 QLast Update : Fri May 30 15:30:47 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	8.788	239597	19.635 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.700	375917	22.075 ng/ml
2) t 2,2,4-Trimethylpentane	7.412	472552	22.969 ng/ml
3) t n-Heptane	7.748	118287	6.916 ng/ml
4) t Benzene	7.885	183672	9.240 ng/ml
6) t Toluene	10.617	560270	29.795 ng/ml
7) t Ethylbenzene	13.054	163407	10.718 ng/ml
8) t m-Xylene	13.187	338898	19.842 ng/ml
9) t O-Xylene	13.914	324499	20.467 ng/ml
10) t 1,2,4-Trimethylbenzene	16.190	267116	23.151 ng/ml

(f)=RT Delta > 1/2 Window

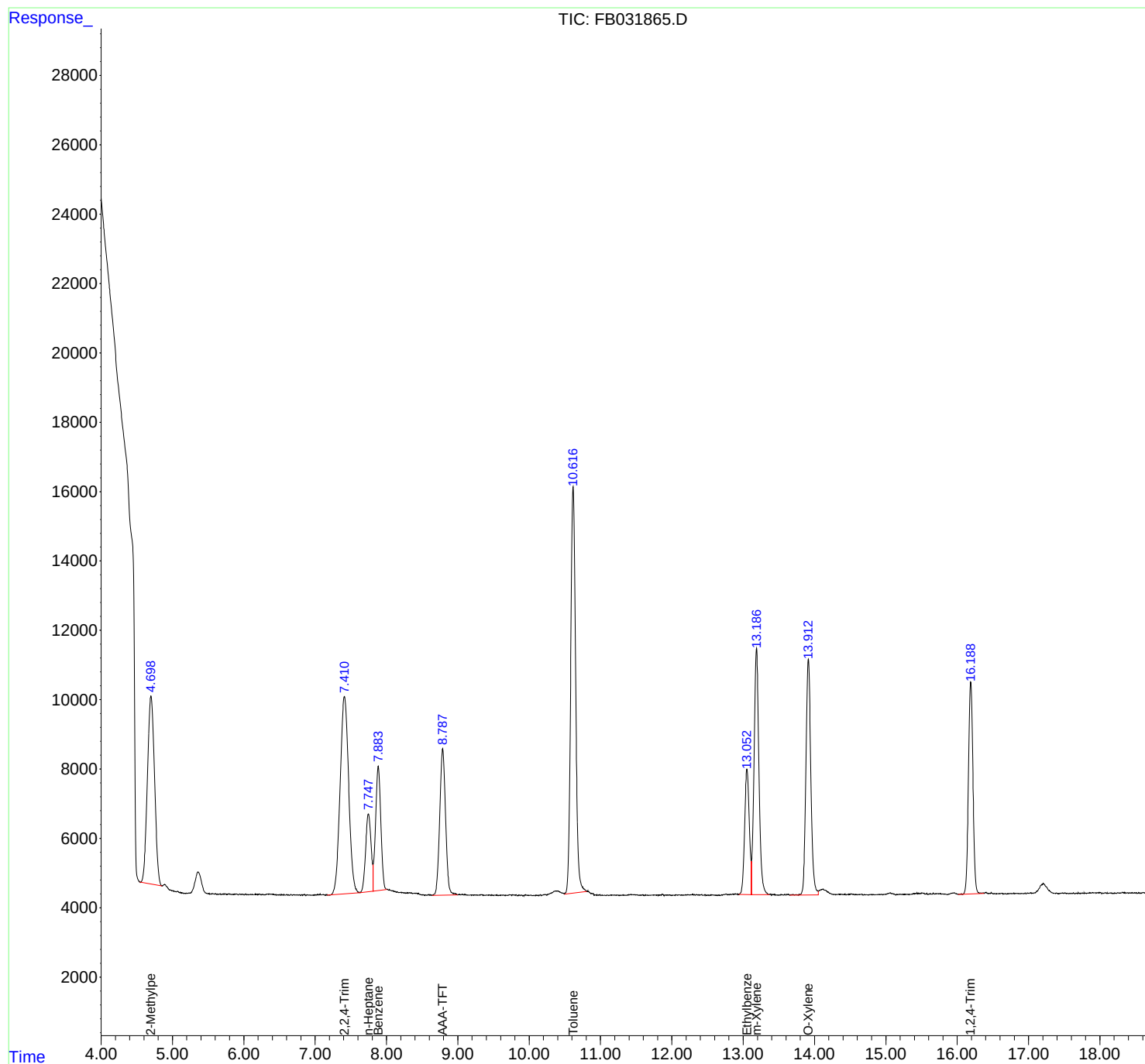
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060325\
Data File : FB031865.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 14:24
Operator : YP/AJ
Sample : BSF0603S2
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0603S2

Integration File: Calibration.e
Quant Time: Jun 04 01:21:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 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\FB060325\
Data File : FB031865.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 14:24
Sample : BSF0603S2
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\FB053025.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.700	4.543	4.854	BV	5426	375917	67.10%	12.349%
2	7.412	7.165	7.631	PV	5693	472552	84.34%	15.523%
3	7.748	7.631	7.812	PV	2243	118287	21.11%	3.886%
4	7.885	7.812	8.007	VV	3587	183672	32.78%	6.033%
5	8.788	8.638	8.999	PV	4229	239597	42.76%	7.871%
6	10.617	10.494	10.808	PV	11707	560270	100.00%	18.404%
7	13.054	12.943	13.115	BV	3621	163407	29.17%	5.368%
8	13.187	13.115	13.367	VV	7106	338898	60.49%	11.133%
9	13.914	13.655	14.054	PV	6806	324499	57.92%	10.660%
10	16.190	16.016	16.377	PV	6110	267116	47.68%	8.775%

Sum of corrected areas: 3044216

FB053025.M Wed Jun 04 02:09:18 2025

Manual Integration Report

Sample ID	ClientID ID	File ID	Sequence ID	Parameter	Supervised By	Supervised On	Reason
5 GRO STD		FB031830.D	FB053025	Benzene	mohammad	6/3/2025 2:03:52 AM	Peak Integrated by Software incorrectly
5 GRO STD		FB031830.D	FB053025	n-Heptane	mohammad	6/3/2025 2:03:52 AM	Peak Integrated by Software incorrectly
10 GRO STD		FB031831.D	FB053025	1,2,4-Trimethylbenzene	mohammad	6/3/2025 2:03:52 AM	Peak Integrated by Software incorrectly
10 GRO STD		FB031831.D	FB053025	AAA-TFT	mohammad	6/3/2025 2:03:52 AM	Peak Integrated by Software incorrectly
10 GRO STD		FB031831.D	FB053025	Benzene	mohammad	6/3/2025 2:03:52 AM	Peak Integrated by Software incorrectly
10 GRO STD		FB031831.D	FB053025	n-Heptane	mohammad	6/3/2025 2:03:52 AM	Peak Integrated by Software incorrectly
FB053025GROICV		FB031835.D	FB053025	1,2,4-Trimethylbenzene	mohammad	6/3/2025 2:03:52 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		FB031846.D	FB060225	AAA-TFT	mohammad	6/4/2025 3:11:28 AM	Peak Integrated by Software incorrectly
20 PPB GRO STD		FB031846.D	FB060225	Benzene	mohammad	6/4/2025 3:11:28 AM	Peak Integrated by Software incorrectly

Manual Integration Report

Sample ID	ClientID ID	File ID	Sequence ID	Parameter	Supervised By	Supervised On	Reason
Q2126-09		FB031864.D	FB060325	2,2,4-Trimethylpentane	mohammad	6/5/2025 1:35:21 AM	Peak Integrated by Software incorrectly
Q2126-09		FB031864.D	FB060325	Benzene	mohammad	6/5/2025 1:35:21 AM	Peak Integrated by Software incorrectly
Q2126-09		FB031864.D	FB060325	n-Heptane	mohammad	6/5/2025 1:35:21 AM	Peak Integrated by Software incorrectly
Q2126-09		FB031864.D	FB060325	O-Xylene	mohammad	6/5/2025 1:35:21 AM	Peak Integrated by Software incorrectly
Q2176-07		FB031873.D	FB060325	AAA-TFT	mohammad	6/5/2025 1:35:21 AM	Peak Integrated by Software incorrectly

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QC Batch ID # FB053025

Review By	yogesh	Review On	5/30/2025 3:36:07 PM
Supervise By	mohammad	Supervise On	6/3/2025 2:03:52 AM
SubDirectory	FB053025	HP Acquire Method	HP Processing Method FB053025
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24110,PP24606,PP24607,PP24608,PP24609,PP24610		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24111,PP24611		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	5 GRO STD	FB031830.D	30 May 2025 10:13	YP/AJ	Ok,M
2	10 GRO STD	FB031831.D	30 May 2025 10:41	YP/AJ	Ok,M
3	20 GRO STD	FB031832.D	30 May 2025 11:08	YP/AJ	Ok
4	50 GRO STD	FB031833.D	30 May 2025 11:36	YP/AJ	Ok
5	100 GRO STD	FB031834.D	30 May 2025 12:12	YP/AJ	Ok
6	FB053025GROICV	FB031835.D	30 May 2025 15:26	YP/AJ	Ok,M

M : Manual Integration

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QC Batch ID # FB060225

Review By	yogesh	Review On	6/2/2025 4:01:19 PM
Supervise By	mohammad	Supervise On	6/4/2025 3:11:28 AM
SubDirectory	FB060225	HP Acquire Method	HP Processing Method FB053025
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24110,PP24606,PP24607,PP24608,PP24609,PP24610		
CCC Internal Standard/PEM	PP24612,PP24613,PP24614		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24111,PP24611		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	20 PPB GRO STD	FB031836.D	2 Jun 2025 12:00	YP/AJ	Ok
2	VBF0602S1	FB031837.D	2 Jun 2025 12:52	YP/AJ	Ok
3	VBF0602S2	FB031838.D	2 Jun 2025 13:20	YP/AJ	Ok
4	BSF0602S1	FB031839.D	2 Jun 2025 13:47	YP/AJ	Ok
5	Q2150-01	FB031840.D	2 Jun 2025 14:15	YP/AJ	Ok
6	Q2150-02	FB031841.D	2 Jun 2025 14:43	YP/AJ	Not Ok
7	Q2150-03	FB031842.D	2 Jun 2025 15:10	YP/AJ	Ok
8	Q2150-04	FB031843.D	2 Jun 2025 15:38	YP/AJ	ReRun
9	Q2150-05	FB031844.D	2 Jun 2025 16:06	YP/AJ	Ok
10	BSF0602S2	FB031845.D	2 Jun 2025 16:33	YP/AJ	Ok
11	20 PPB GRO STD	FB031846.D	2 Jun 2025 17:00	YP/AJ	Ok,M
12	Q2150-06	FB031847.D	2 Jun 2025 17:55	YP/AJ	Ok
13	Q2150-07	FB031848.D	2 Jun 2025 18:23	YP/AJ	Ok
14	Q2150-08	FB031849.D	2 Jun 2025 18:50	YP/AJ	Ok
15	Q2150-09	FB031850.D	2 Jun 2025 19:18	YP/AJ	Not Ok
16	Q2150-10	FB031851.D	2 Jun 2025 19:45	YP/AJ	Not Ok
17	Q2150-02	FB031852.D	2 Jun 2025 20:12	YP/AJ	Ok
18	Q2150-04	FB031853.D	2 Jun 2025 20:39	YP/AJ	Not Ok
19	BSF0602S3	FB031854.D	2 Jun 2025 21:07	YP/AJ	Ok
20	20 PPB GRO STD	FB031855.D	2 Jun 2025 21:34	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QC Batch ID # FB060325

Review By	yogesh	Review On	6/3/2025 11:24:47 AM
Supervise By	mohammad	Supervise On	6/5/2025 1:35:21 AM
SubDirectory	FB060325	HP Acquire Method	HP Processing Method FB053025
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24110,PP24606,PP24607,PP24608,PP24609,PP24610		
CCC Internal Standard/PEM	PP24615,PP24616,PP24617		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24111,PP24611		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	20 PPB GRO STD	FB031856.D	3 Jun 2025 9:12	YP/AJ	Ok
2	VBF0603S1	FB031857.D	3 Jun 2025 9:55	YP/AJ	Ok
3	VBF0603S2	FB031858.D	3 Jun 2025 10:23	YP/AJ	Ok
4	BSF0603S1	FB031859.D	3 Jun 2025 10:51	YP/AJ	Ok
5	Q2150-09	FB031860.D	3 Jun 2025 11:18	YP/AJ	Ok
6	Q2150-10	FB031861.D	3 Jun 2025 11:46	YP/AJ	Not Ok
7	Q2150-04	FB031862.D	3 Jun 2025 12:38	YP/AJ	Ok
8	Q2150-10	FB031863.D	3 Jun 2025 13:05	YP/AJ	Ok
9	Q2126-09	FB031864.D	3 Jun 2025 13:33	YP/AJ	Ok,M
10	BSF0603S2	FB031865.D	3 Jun 2025 14:24	YP/AJ	Ok
11	20 PPB GRO STD	FB031866.D	3 Jun 2025 14:52	YP/AJ	Ok
12	Q2176-01	FB031867.D	3 Jun 2025 15:52	YP/AJ	Not Ok
13	Q2176-02	FB031868.D	3 Jun 2025 16:20	YP/AJ	Ok
14	Q2176-03	FB031869.D	3 Jun 2025 16:48	YP/AJ	Ok
15	Q2176-04	FB031870.D	3 Jun 2025 17:15	YP/AJ	Ok
16	Q2176-05	FB031871.D	3 Jun 2025 17:43	YP/AJ	Ok
17	Q2176-06	FB031872.D	3 Jun 2025 18:10	YP/AJ	Ok
18	Q2176-07	FB031873.D	3 Jun 2025 18:38	YP/AJ	Ok,M
19	Q2176-08	FB031874.D	3 Jun 2025 19:06	YP/AJ	Not Ok
20	BSF0603S3	FB031875.D	3 Jun 2025 19:33	YP/AJ	Ok
21	20 PPB GRO STD	FB031876.D	3 Jun 2025 20:01	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QC Batch ID # FB053025

Review By	yogesh	Review On	5/30/2025 3:36:07 PM
Supervise By	mohammad	Supervise On	6/3/2025 2:03:52 AM
SubDirectory	FB053025	HP Acquire Method	HP Processing Method FB053025
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24110,PP24606,PP24607,PP24608,PP24609,PP24610		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24111,PP24611		

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	5 GRO STD		FB031830.D	30 May 2025 10:13		YP/AJ	Ok,M
2	10 GRO STD		FB031831.D	30 May 2025 10:41		YP/AJ	Ok,M
3	20 GRO STD		FB031832.D	30 May 2025 11:08		YP/AJ	Ok
4	50 GRO STD		FB031833.D	30 May 2025 11:36		YP/AJ	Ok
5	100 GRO STD		FB031834.D	30 May 2025 12:12		YP/AJ	Ok
6	FB053025GROICV		FB031835.D	30 May 2025 15:26		YP/AJ	Ok,M

M : Manual Integration

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QC Batch ID # FB060225

Review By	yogesh	Review On	6/2/2025 4:01:19 PM
Supervise By	mohammad	Supervise On	6/4/2025 3:11:28 AM
SubDirectory	FB060225	HP Acquire Method	HP Processing Method FB053025

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP24110,PP24606,PP24607,PP24608,PP24609,PP24610
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24612,PP24613,PP24614 PP24111,PP24611

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	20 PPB GRO STD		FB031836.D	2 Jun 2025 12:00		YP/AJ	Ok
2	VBF0602S1		FB031837.D	2 Jun 2025 12:52		YP/AJ	Ok
3	VBF0602S2		FB031838.D	2 Jun 2025 13:20		YP/AJ	Ok
4	BSF0602S1		FB031839.D	2 Jun 2025 13:47		YP/AJ	Ok
5	Q2150-01		FB031840.D	2 Jun 2025 14:15	Vial-A	YP/AJ	Ok
6	Q2150-02		FB031841.D	2 Jun 2025 14:43	Vial-A, Not Purged	YP/AJ	Not Ok
7	Q2150-03		FB031842.D	2 Jun 2025 15:10	Vial-A	YP/AJ	Ok
8	Q2150-04		FB031843.D	2 Jun 2025 15:38	Vial-A, Surr Fail	YP/AJ	ReRun
9	Q2150-05		FB031844.D	2 Jun 2025 16:06	Vial-A	YP/AJ	Ok
10	BSF0602S2		FB031845.D	2 Jun 2025 16:33		YP/AJ	Ok
11	20 PPB GRO STD		FB031846.D	2 Jun 2025 17:00		YP/AJ	Ok,M
12	Q2150-06		FB031847.D	2 Jun 2025 17:55	Vial-A	YP/AJ	Ok
13	Q2150-07		FB031848.D	2 Jun 2025 18:23	Vial-A	YP/AJ	Ok
14	Q2150-08		FB031849.D	2 Jun 2025 18:50	Vial-A	YP/AJ	Ok
15	Q2150-09		FB031850.D	2 Jun 2025 19:18	Vial-A, Not Purged	YP/AJ	Not Ok
16	Q2150-10		FB031851.D	2 Jun 2025 19:45	Vial-A, Not Purged	YP/AJ	Not Ok
17	Q2150-02		FB031852.D	2 Jun 2025 20:12	Vial-B	YP/AJ	Ok
18	Q2150-04		FB031853.D	2 Jun 2025 20:39	Vial-B, Not Purged	YP/AJ	Not Ok

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QC Batch ID # FB060225

Review By	yogesh	Review On	6/2/2025 4:01:19 PM
Supervise By	mohammad	Supervise On	6/4/2025 3:11:28 AM
SubDirectory	FB060225	HP Acquire Method	HP Processing Method FB053025

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP24110,PP24606,PP24607,PP24608,PP24609,PP24610
CCC Internal Standard/PEM	PP24612,PP24613,PP24614
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24111,PP24611

19	BSF0602S3		FB031854.D	2 Jun 2025 21:07		YP/AJ	Ok
20	20 PPB GRO STD		FB031855.D	2 Jun 2025 21:34		YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QC Batch ID # FB060325

Review By	yogesh	Review On	6/3/2025 11:24:47 AM
Supervise By	mohammad	Supervise On	6/5/2025 1:35:21 AM
SubDirectory	FB060325	HP Acquire Method	HP Processing Method
			FB053025
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24110,PP24606,PP24607,PP24608,PP24609,PP24610		
CCC Internal Standard/PEM	PP24615,PP24616,PP24617		
ICV/I.BLK Surrogate Standard	PP24111,PP24611		
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	20 PPB GRO STD		FB031856.D	3 Jun 2025 9:12		YP/AJ	Ok
2	VBF0603S1		FB031857.D	3 Jun 2025 9:55		YP/AJ	Ok
3	VBF0603S2		FB031858.D	3 Jun 2025 10:23		YP/AJ	Ok
4	BSF0603S1		FB031859.D	3 Jun 2025 10:51		YP/AJ	Ok
5	Q2150-09		FB031860.D	3 Jun 2025 11:18	Vial- B	YP/AJ	Ok
6	Q2150-10		FB031861.D	3 Jun 2025 11:46	Vial- B, Not Purged	YP/AJ	Not Ok
7	Q2150-04		FB031862.D	3 Jun 2025 12:38	Vial- C	YP/AJ	Ok
8	Q2150-10		FB031863.D	3 Jun 2025 13:05	Vial-C	YP/AJ	Ok
9	Q2126-09		FB031864.D	3 Jun 2025 13:33	Vial- A	YP/AJ	Ok,M
10	BSF0603S2		FB031865.D	3 Jun 2025 14:24		YP/AJ	Ok
11	20 PPB GRO STD		FB031866.D	3 Jun 2025 14:52		YP/AJ	Ok
12	Q2176-01		FB031867.D	3 Jun 2025 15:52	Vial-A, Not purge	YP/AJ	Not Ok
13	Q2176-02		FB031868.D	3 Jun 2025 16:20	Vial-A	YP/AJ	Ok
14	Q2176-03		FB031869.D	3 Jun 2025 16:48	Vial-A	YP/AJ	Ok
15	Q2176-04		FB031870.D	3 Jun 2025 17:15	Vial-A	YP/AJ	Ok
16	Q2176-05		FB031871.D	3 Jun 2025 17:43	Vial-A	YP/AJ	Ok
17	Q2176-06		FB031872.D	3 Jun 2025 18:10	Vial-A	YP/AJ	Ok
18	Q2176-07		FB031873.D	3 Jun 2025 18:38	Vial-A	YP/AJ	Ok,M

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QC Batch ID # FB060325

Review By	yogesh	Review On	6/3/2025 11:24:47 AM
Supervise By	mohammad	Supervise On	6/5/2025 1:35:21 AM
SubDirectory	FB060325	HP Acquire Method	HP Processing Method
			FB053025

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP24110,PP24606,PP24607,PP24608,PP24609,PP24610
CCC Internal Standard/PEM	PP24615,PP24616,PP24617
ICV/I.BLK Surrogate Standard	PP24111,PP24611
MS/MSD Standard	
LCS Standard	

19	Q2176-08		FB031874.D	3 Jun 2025 19:06	Vial-A, Not Purged	YP/AJ	Not Ok
20	BSF0603S3		FB031875.D	3 Jun 2025 19:33		YP/AJ	Ok
21	20 PPB GRO STD		FB031876.D	3 Jun 2025 20:01		YP/AJ	Ok

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 5/30/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 05/29/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:27
Out Date: 05/30/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135945

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
Q2150-01	TP-44	1	1.15	10.30	11.45	9.28	78.9	
Q2150-02	TP-42	2	1.13	10.45	11.58	10.14	86.2	
Q2150-03	TP-39	3	1.14	10.46	11.6	9.89	83.7	
Q2150-04	TP-48	4	1.18	10.44	11.62	9.6	80.7	
Q2150-05	TP-47	5	1.17	10.18	11.35	9.42	81.0	
Q2150-06	TP-50	6	1.18	10.70	11.88	10.38	86.0	
Q2150-07	TP-51	7	1.17	10.74	11.91	10.16	83.7	
Q2150-08	TP-52	8	1.16	10.61	11.77	10.25	85.7	
Q2150-09	TP-54	9	1.16	10.50	11.66	9.94	83.6	
Q2150-10	TP-53	10	1.12	10.56	11.68	10.13	85.3	
Q2151-01	WC-1	11	1.15	10.02	11.17	9.71	85.4	
Q2151-02	WC-1-EPH	12	1.17	10.23	11.4	9.99	86.2	
Q2151-03	WC-1-VOC	13	1.19	10.41	11.6	9.98	84.4	
Q2152-01	OK-02-05292025	31	1.18	10.25	11.43	10.2	88.0	
Q2152-02	OK-02-05292025-E2	32	1.13	10.47	11.6	10.54	89.9	
Q2153-01	TR-04-0592025	33	1.15	10.40	11.55	10.54	90.3	
Q2153-02	TR-04-0592025-E2	34	1.17	10.39	11.56	10.6	90.8	
Q2154-01	BC271336-1-1	14	1.00	1.00	2.00	2.00	100.0	oilc
Q2154-02	BC271336-1-2	15	1.00	1.00	2.00	2.00	100.0	oilc
Q2154-03	BC271336-2-1	16	1.00	1.00	2.00	2.00	100.0	oilc
Q2154-04	BC271336-2-2	17	1.00	1.00	2.00	2.00	100.0	oilc
Q2154-05	BC278406-1-1	18	1.00	1.00	2.00	2.00	100.0	oilc
Q2154-06	BC278406-1-2	19	1.00	1.00	2.00	2.00	100.0	oilc
Q2154-07	BC278406-2-1	20	1.00	1.00	2.00	2.00	100.0	oilc
Q2154-08	BC278406-2-2	21	1.00	1.00	2.00	2.00	100.0	oilc
Q2154-09	BC22682C-1-1	22	1.00	1.00	2.00	2.00	100.0	oilc
Q2154-10	BC22682C-1-2	23	1.00	1.00	2.00	2.00	100.0	oilc
Q2154-11	GHA409H-1-1	24	1.00	1.00	2.00	2.00	100.0	oilc



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 5/30/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 05/29/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:27
Out Date: 05/30/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135945

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
Q2154-12	GHA409H-1-2	25	1.00	1.00	2.00	2.00	100.0	oilc
Q2155-01	446	26	1.18	10.02	11.2	10.42	92.2	
Q2155-02	447-SOLID	27	1.13	10.35	11.48	6.13	48.3	
Q2156-01	KZZ331H-1-1	28	1.00	1.00	2.00	2.00	100.0	oilc
Q2156-02	KZZ331H-1-2	29	1.00	1.00	2.00	2.00	100.0	oilc
Q2157-01	291	30	1.00	1.00	2.00	2.00	100.0	debris

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

WORKLIST(Hardcopy Internal Chain)

W 135945

WorkList Name : %1-052925

WorkList ID : 189801

Department : Wet-Chemistry

Date : 05-29-2025 08:14:20

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2150-01	TP-44	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/27/2025	Chemtech -SO
Q2150-02	TP-42	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/27/2025	Chemtech -SO
Q2150-03	TP-39	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/27/2025	Chemtech -SO
Q2150-04	TP-48	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/27/2025	Chemtech -SO
Q2150-05	TP-47	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/27/2025	Chemtech -SO
Q2150-06	TP-50	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/27/2025	Chemtech -SO
Q2150-07	TP-51	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/27/2025	Chemtech -SO
Q2150-08	TP-52	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/27/2025	Chemtech -SO
Q2150-09	TP-54	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/28/2025	Chemtech -SO
Q2150-10	TP-53	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/28/2025	Chemtech -SO
Q2151-01	WC-1	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/28/2025	Chemtech -SO
Q2151-02	WC-1-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/29/2025	Chemtech -SO
Q2151-03	WC-1-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/29/2025	Chemtech -SO
Q2152-01	OK-02-05292025	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/29/2025	Chemtech -SO
Q2152-02	OK-02-05292025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	L21	05/29/2025	Chemtech -SO
Q2153-01	TR-04-0592025	Solid	Percent Solids	Cool 4 deg C	PSEG05	L21	05/29/2025	Chemtech -SO
Q2153-02	TR-04-0592025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	L31	05/29/2025	Chemtech -SO
Q2154-01	BC271336-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG05	L31	05/29/2025	Chemtech -SO
Q2154-02	BC271336-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/29/2025	Chemtech -SO
Q2154-03	BC271336-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/29/2025	Chemtech -SO
Q2154-04	BC271336-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/29/2025	Chemtech -SO

Date/Time 05/29/25 16:15

Raw Sample Received by: R CWC1

Raw Sample Relinquished by: A.C (Sm)

Date/Time 05/29/25

Raw Sample Received by: R.C (Sm)

Raw Sample Relinquished by: R WOC

17180

WORKLIST(Hardcopy Internal Chain)

135945

WorkList Name : %1-052925

WorkList ID : 189801

Department : Wet-Chemistry

Date : 05-29-2025 08:14:20

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2154-05	BC278406-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/29/2025	Chemtech -SO
Q2154-06	BC278406-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/29/2025	Chemtech -SO
Q2154-07	BC278406-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/29/2025	Chemtech -SO
Q2154-08	BC278406-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/29/2025	Chemtech -SO
Q2154-09	BC22682C-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/29/2025	Chemtech -SO
Q2154-10	BC22682C-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/29/2025	Chemtech -SO
Q2154-11	GHA409H-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/29/2025	Chemtech -SO
Q2154-12	GHA409H-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/29/2025	Chemtech -SO
Q2155-01	446	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/29/2025	Chemtech -SO
Q2155-02	447-SOLID	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/29/2025	Chemtech -SO
Q2156-01	KZZ331H-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/29/2025	Chemtech -SO
Q2156-02	KZZ331H-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/29/2025	Chemtech -SO
Q2157-01	291	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/29/2025	Chemtech -SO

Date/Time 05/29/25 16:15
 Raw Sample Received by: EWG
 Raw Sample Relinquished by: L.C. (son)

Date/Time 05/29/25 17:30
 Raw Sample Received by: L.C. (son)
 Raw Sample Relinquished by: SC (son)



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: CDM SMITH
ADDRESS: 110 FIELDREST AVE #8 6TH FLOOR
CITY EDISON STATE: NJ ZIP: 08837
ATTENTION: MARCIE ENCINAS
PHONE: 732-590-4679 FAX: 732-225-7851

CLIENT PROJECT INFORMATION

PROJECT NAME: SOUTH RIVER WM REPAIRMENT
PROJECT NO. 302781 LOCATION: SOUTH RIVER, NJ
PROJECT MANAGER: MARCIE ENCINAS
e-mail: ENCINAS.MA@CDMSMITH.COM
PHONE: 732-590-4679 FAX: 732-225-7851

CLIENT BILLING INFORMATION

BILL TO: CDM SMITH PO#:
ADDRESS: 110 FIELDREST AVE #8 6TH FLOOR
CITY EDISON STATE: NJ ZIP: 08837
ATTENTION: MARCIE ENCINAS PHONE: 732-590-4679

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 _____

1. TCL VOC 2. TCL SVOC 3. METALS 4. PCB 5. PESTICIDE 6. HERBICIDE 7. DRO/GRO 8. 9.

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-44	SOIL		X	5/27/25	0820	6	X	X	X	X	X	X	X			E
2.	TP-42	SOIL		X	5/27/25	0915	6	X	X	X	X	X	X	X			E
3.	TP-39	SOIL		X	5/27/25	0950	6	X	X	X	X	X	X	X			E
4.	TP-48	SOIL		X	5/27/25	1220	6	X	X	X	X	X	X	X			E
5.	TP-47	SOIL		X	5/27/25	1120	6	X	X	X	X	X	X	X			E
6.	TP-50	SOIL		X	5/27/25	1330	6	X	X	X	X	X	X	X			E
7.	TP-51	SOIL		X	5/27/25	1505	6	X	X	X	X	X	X	X			E
8.	TP-52	SOIL		X	5/28/25	0850	6	X	X	X	X	X	X	X			E
9.	TP-54	SOIL		X	5/28/25	1145	6	X	X	X	X	X	X	X			E
10.	TP-53	SOIL		X	5/28/25	1425	6	X	X	X	X	X	X	X			F

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

RELINQUISHED BY SAMPLER: 1. <u>[Signature]</u>	DATE/TIME: <u>5/28/25 1350</u>	RECEIVED BY: 1. <u>[Signature]</u> <u>1550</u>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP <u>3.5</u> °C
RELINQUISHED BY SAMPLER: 2. <u>[Signature]</u>	DATE/TIME: <u></u>	RECEIVED BY: 2. <u></u>	Comments: _____
RELINQUISHED BY SAMPLER: 3. <u>[Signature]</u>	DATE/TIME: <u>5-28-25</u>	RECEIVED BY: 3. <u></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 : Q2150	CAMP02	Order Date : 5/28/2025 3:53:00 PM	Project Mgr :
Client Name : CDM Smith		Project Name : South River WM Replacem	Report Type : Level 1
Client Contact : Marcie Ann Encinas		Receive DateTime : 5/28/2025 12:00:00 AM	EDD Type : EXCEL NOCLEANUP
Invoice Name : CDM Smith		Purchase Order : 18:45	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
Q2150-01	TP-44	Solid	05/27/2025	08:20	VOC-TCLVOA-10		8260D		10 Bus. Days
Q2150-02	TP-42	Solid	05/27/2025	09:15	VOC-TCLVOA-10		8260D		10 Bus. Days
Q2150-03	TP-39	Solid	05/27/2025	09:50	VOC-TCLVOA-10		8260D		10 Bus. Days
Q2150-04	TP-48	Solid	05/27/2025	12:20	VOC-TCLVOA-10		8260D		10 Bus. Days
Q2150-05	TP-47	Solid	05/27/2025	11:20	VOC-TCLVOA-10		8260D		10 Bus. Days
Q2150-06	TP-50	Solid	05/27/2025	13:30	VOC-TCLVOA-10		8260D		10 Bus. Days
Q2150-07	TP-51	Solid	05/27/2025	15:05	VOC-TCLVOA-10		8260D		10 Bus. Days
Q2150-08	TP-52	Solid	05/28/2025	08:50					

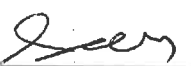
LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2150	CAMP02	Order Date : 5/28/2025 3:53:00 PM	Project Mgr :
Client Name : CDM Smith		Project Name : South River WM Replacem	Report Type : Level 1
Client Contact : Marcie Ann Encinas		Receive DateTime : 5/28/2025 12:00:00 AM	EDD Type : EXCEL NOCLEANUP
Invoice Name : CDM Smith		Purchase Order : 16:45	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
Q2150-09	TP-54	Solid	05/28/2025	11:45	VOC-TCLVOA-10		8260D		10 Bus. Days
Q2150-10	TP-53	Solid	05/28/2025	14:25	VOC-TCLVOA-10		8260D		10 Bus. Days
					VOC-TCLVOA-10		8260D		10 Bus. Days

Relinquished By : 

Date / Time : 5/29/25 0950

Received By : 

Date / Time : 05/29/25 0950

Storage Area : VOA Refridgerator Room

Ng # 6
fr 2