

Cover Page

Order ID : Q2176

Project ID : South River WM Replacement

Client : CDM Smith

Lab Sample Number

Q2176-01
Q2176-02
Q2176-03
Q2176-04
Q2176-05
Q2176-06
Q2176-07
Q2176-08

Client Sample Number

TP-46
TP-56
TP-25
TP-26
TP-28
TP-27
TP-31
TP-65

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: 6/6/2025

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 #: Q2176

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: PRADIP PRAJAPATI

Date: 06/06/2025

LAB CHRONICLE

OrderID:	Q2176	OrderDate:	5/30/2025 4:04:00 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
Q2176-01	TP-46	SOIL			05/28/25			05/30/25
			Diesel Range Organics	8015D		06/04/25	06/04/25	
			Gasoline Range Organics	8015D			06/04/25	
			Pesticide-TCL	8081B		06/03/25	06/03/25	
Q2176-02	TP-56	SOIL			05/29/25			05/30/25
			Diesel Range Organics	8015D		06/04/25	06/04/25	
			Gasoline Range Organics	8015D			06/03/25	
			Pesticide-TCL	8081B		06/03/25	06/03/25	
Q2176-03	TP-25	SOIL			05/29/25			05/30/25
			Diesel Range Organics	8015D		06/04/25	06/04/25	
			Gasoline Range Organics	8015D			06/03/25	
			Pesticide-TCL	8081B		06/03/25	06/03/25	
Q2176-04	TP-26	SOIL			05/29/25			05/30/25
			Diesel Range Organics	8015D		06/04/25	06/04/25	
			Gasoline Range Organics	8015D			06/03/25	
			Pesticide-TCL	8081B		06/03/25	06/03/25	
Q2176-05	TP-28	SOIL			05/29/25			05/30/25
			Diesel Range Organics	8015D		06/04/25	06/04/25	
			Gasoline Range Organics	8015D			06/03/25	
			Pesticide-TCL	8081B		06/03/25	06/03/25	
Q2176-06	TP-27	SOIL			05/29/25			05/30/25
			Diesel Range Organics	8015D		06/04/25	06/04/25	
			Gasoline Range Organics	8015D			06/03/25	
			Pesticide-TCL	8081B		06/03/25	06/03/25	
Q2176-07	TP-31	SOIL			05/29/25			05/30/25
			Diesel Range Organics	8015D		06/04/25	06/04/25	

LAB CHRONICLE

Q2176-08	TP-65	SOIL	Gasoline Range Organics	8015D	05/30/25	06/03/25	05/30/25
			Pesticide-TCL	8081B		06/03/25	
			Diesel Range Organics	8015D		06/04/25	
			Gasoline Range Organics	8015D		06/04/25	
			Pesticide-TCL	8081B		06/03/25	



QC SUMMARY

SOIL GASOLINE RANGE ORGANICS SURROGATE RECOVERY

Lab Name: Chemtech Client: CDM Smith
Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG No.: Q2176

EPA SAMPLE NO.	S1 AAA-TFT	S2	S3	S4	TOT OUT
VB0603S1	100				0
BS0603S1	101				0
BS0603S2	98				0
TP-56	114				0
TP-25	112				0
TP-26	94				0
TP-28	109				0
TP-27	113				0
TP-31	56				0
VB0604S2	122				0
BS0604S1	116				0
TP-46	116				0
TP-65	114				0
BS0604S2	109				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:** Q2176 **SAS No :** Q2176 **SDG No:** Q2176
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:** Q2176 **SAS No :** Q2176 **SDG No:** Q2176
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

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

Lab Name: Chemtech **Client:** CDM Smith
Lab Code: CHEM **Cas No:** Q2176 **SAS No :** Q2176 **SDG No:** Q2176
Matrix Spike - EPA Sample No : BSF0604S1 **Datafile:** FB031880.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS
GRO	180	0	188	104	50-150

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

Lab Name: Chemtech **Client:** CDM Smith
Lab Code: CHEM **Cas No:** Q2176 **SAS No :** Q2176 **SDG No:** Q2176
Matrix Spike - EPA Sample No : BSF0604S2 **Datafile:** FB031885.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS
GRO	180	0	205	114	50-150

LCS/LCSD % Recovery RPD : 8.7

METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBF0604S2

Lab Name: CHEMTECH

Contract: CAMP02

Lab Code: CHEM Case No.: Q2176

SAS No.: Q2176 SDG NO.: Q2176

Lab File ID: FB031879.D

Lab Sample ID: VBF0604S2

Date Analyzed: 06/04/25

Time Analyzed: 10:47

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
BSF0604S1	BSF0604S1	FB031880.D	06/04/25
TP-46	Q2176-01	FB031883.D	06/04/25
TP-65	Q2176-08	FB031884.D	06/04/25
BSF0604S2	BSF0604S2	FB031885.D	06/04/25

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-46	SDG No.:	Q2176
Lab Sample ID:	Q2176-01	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	83.7
Sample Wt/Vol:	4.75	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
FB031883.D	50	06/04/25 12:48	FB060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	809	J	519	2830	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	23.1		50 - 150	116%	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\FB060425\
Data File : FB031883.D
Signal(s) : FID2B.CH
Acq On : 4 Jun 2025 12:48
Operator : YP/AJ
Sample : Q2176-01 50X
Misc : 4.75G/5.00 ML MEOH
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-46

Integration File: Calibration.e
Quant Time: Jun 05 01:29:55 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	8.789	282118	23.120 ng/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

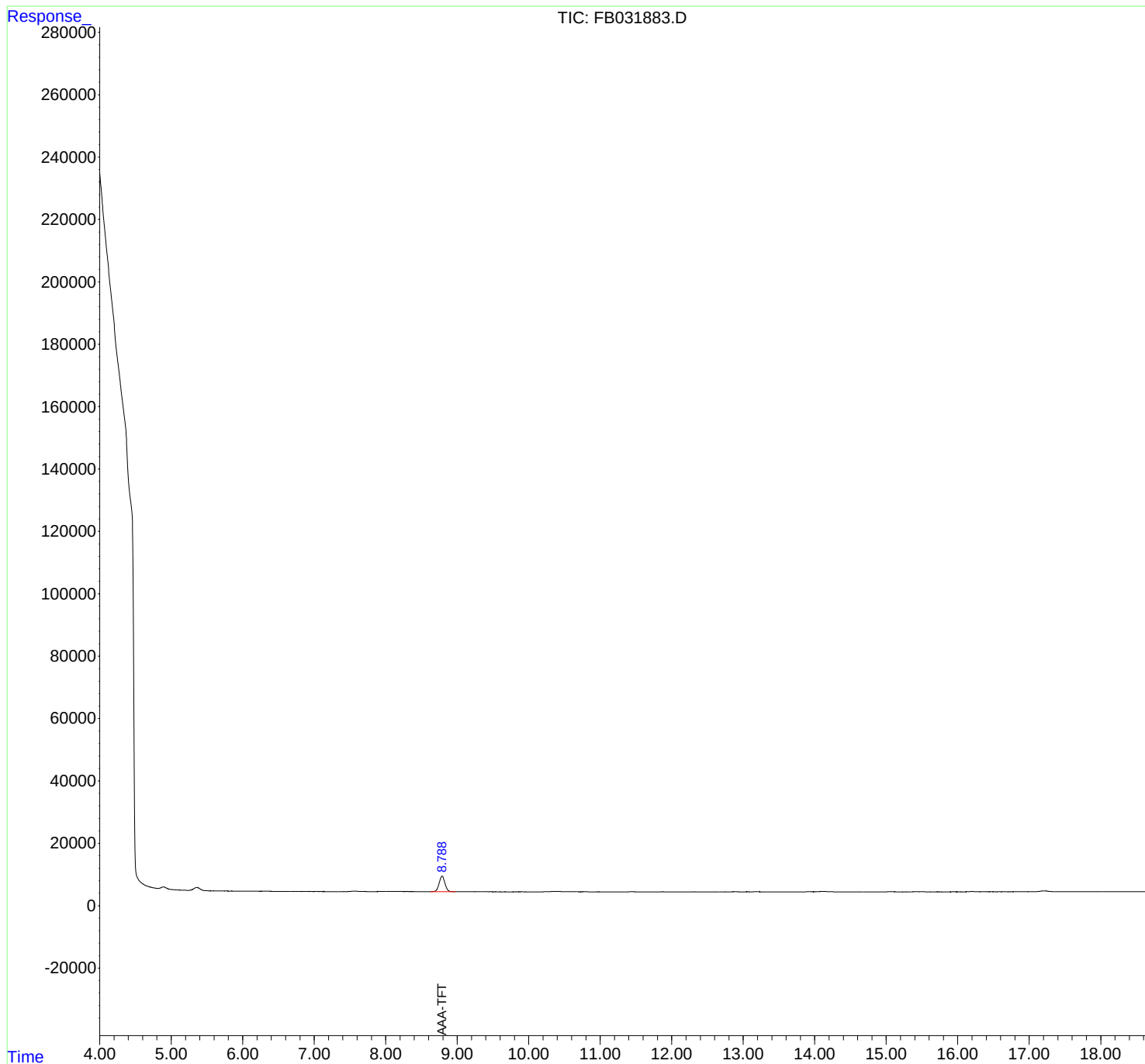
(m)=manual int.

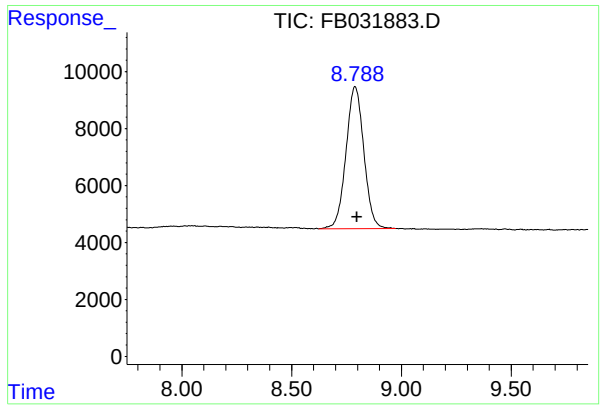
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060425\
Data File : FB031883.D
Signal(s) : FID2B.CH
Acq On : 4 Jun 2025 12:48
Operator : YP/AJ
Sample : Q2176-01 50X
Misc : 4.75G/5.00 ML MEOH
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-46

Integration File: Calibration.e
Quant Time: Jun 05 01:29:55 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.: 8.789 min
Delta R.T.: -0.009 min
Response: 282118
Conc: 23.12 ng/ml

Instrument :
FID_B
ClientSampleId :
TP-46

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060425\
Data File : FB031883.D
Signal(s) : FID2B.CH
Acq On : 4 Jun 2025 12:48
Sample : Q2176-01 50X
Misc : 4.75G/5.00 ML MEOH
ALS Vial : 1 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	5.241	5.232	5.248	PV	16	87	0.03%	0.017%
2	5.550	5.536	5.567	PV	22	222	0.08%	0.044%
3	5.592	5.567	5.606	VV	36	491	0.17%	0.097%
4	5.616	5.606	5.645	VV	21	340	0.12%	0.068%
5	5.650	5.645	5.677	VV	20	284	0.10%	0.056%
6	5.684	5.677	5.724	VV	20	453	0.16%	0.090%
7	5.735	5.724	5.747	VV	33	280	0.10%	0.056%
8	5.758	5.747	5.771	PV	31	270	0.09%	0.054%
9	5.782	5.771	5.814	VV	31	387	0.13%	0.077%
10	5.842	5.814	5.907	VV	40	934	0.32%	0.185%
11	5.915	5.907	5.925	PV	14	65	0.02%	0.013%
12	5.951	5.925	5.990	VV	22	595	0.21%	0.118%
13	6.001	5.990	6.024	VV	31	321	0.11%	0.064%
14	6.032	6.024	6.041	VV	27	147	0.05%	0.029%
15	6.051	6.041	6.063	PV	28	183	0.06%	0.036%
16	6.086	6.063	6.105	VV	24	297	0.10%	0.059%
17	6.142	6.105	6.155	VV	22	375	0.13%	0.074%
18	6.172	6.155	6.198	VV	24	451	0.16%	0.090%
19	6.213	6.198	6.252	VV	32	530	0.18%	0.105%
20	6.286	6.252	6.298	VV	37	633	0.22%	0.126%
21	6.312	6.298	6.320	VV	45	460	0.16%	0.091%
22	6.329	6.320	6.339	VV	49	467	0.16%	0.093%
23	6.351	6.339	6.382	VV	54	1033	0.36%	0.205%
24	6.390	6.382	6.427	VV	45	822	0.28%	0.163%
25	6.440	6.427	6.490	VV	30	757	0.26%	0.150%
26	6.500	6.490	6.528	VV	29	439	0.15%	0.087%
27	6.541	6.528	6.560	VV	21	256	0.09%	0.051%
28	6.575	6.560	6.616	VV	28	522	0.18%	0.104%
29	6.642	6.616	6.650	PV	19	212	0.07%	0.042%
30	6.672	6.650	6.694	VV	28	513	0.18%	0.102%
31	6.701	6.694	6.725	VV	30	343	0.12%	0.068%
32	6.735	6.725	6.769	VV	26	397	0.14%	0.079%
33	6.786	6.769	6.797	VV	29	352	0.12%	0.070%
34	6.814	6.797	6.828	VV	32	344	0.12%	0.068%
35	6.872	6.828	6.894	PV	32	816	0.28%	0.162%
36	6.901	6.894	6.911	VV	40	244	0.08%	0.048%

					rteres			
37	6.923	6.911	6.932	VV	30	247	0.09%	0.049%
38	6.945	6.932	6.957	VV	26	268	0.09%	0.053%
39	6.983	6.957	6.998	VV	29	485	0.17%	0.096%
40	7.011	6.998	7.020	VV	41	350	0.12%	0.070%
41	7.033	7.020	7.046	VV	48	513	0.18%	0.102%
42	7.053	7.046	7.070	VV	30	332	0.12%	0.066%
43	7.083	7.070	7.106	VV	40	613	0.21%	0.122%
44	7.150	7.106	7.162	VV	35	728	0.25%	0.144%
45	7.170	7.162	7.204	VV	15	273	0.09%	0.054%
46	7.253	7.204	7.270	PV	25	428	0.15%	0.085%
47	7.284	7.270	7.303	VV	13	126	0.04%	0.025%
48	7.327	7.303	7.342	PV	20	214	0.07%	0.042%
49	7.387	7.342	7.398	VV	25	567	0.20%	0.113%
50	7.418	7.398	7.450	VV	40	753	0.26%	0.149%
51	7.571	7.450	7.689	VV	170	14372	4.98%	2.852%
52	7.697	7.689	7.715	VV	63	870	0.30%	0.173%
53	7.724	7.715	7.747	VV	51	825	0.29%	0.164%
54	7.762	7.747	7.789	VV	42	829	0.29%	0.165%
55	7.793	7.789	7.802	VV	35	248	0.09%	0.049%
56	7.824	7.802	7.837	VV	44	688	0.24%	0.137%
57	7.951	7.837	7.988	VV	95	5555	1.92%	1.102%
58	8.048	7.988	8.084	VV	108	5495	1.90%	1.090%
59	8.107	8.084	8.161	VV	97	3960	1.37%	0.786%
60	8.175	8.161	8.271	VV	95	4963	1.72%	0.985%
61	8.294	8.271	8.330	VV	75	2252	0.78%	0.447%
62	8.345	8.330	8.389	VV	62	2113	0.73%	0.419%
63	8.395	8.389	8.467	VV	72	2279	0.79%	0.452%
64	8.493	8.467	8.509	VV	56	1233	0.43%	0.245%
65	8.519	8.509	8.600	VV	58	1874	0.65%	0.372%
66	8.789	8.600	9.018	VV	5020	288676	100.00%	57.284%
67	9.056	9.018	9.074	VV	33	906	0.31%	0.180%
68	9.109	9.074	9.169	VV	26	1167	0.40%	0.232%
69	9.186	9.169	9.277	VV	24	1211	0.42%	0.240%
70	9.362	9.277	9.425	VV	46	2647	0.92%	0.525%
71	9.430	9.425	9.446	VV	34	297	0.10%	0.059%
72	9.472	9.446	9.517	VV	36	893	0.31%	0.177%
73	9.544	9.517	9.567	VV	31	544	0.19%	0.108%
74	9.590	9.567	9.648	VV	24	714	0.25%	0.142%
75	9.671	9.648	9.697	VV	21	419	0.14%	0.083%
76	9.746	9.697	9.764	PV	21	531	0.18%	0.105%
77	9.849	9.764	9.881	VV	31	1455	0.50%	0.289%
78	9.903	9.881	9.931	VV	33	807	0.28%	0.160%
79	9.959	9.931	10.011	VV	27	797	0.28%	0.158%
80	10.027	10.011	10.046	VV	21	331	0.11%	0.066%
81	10.061	10.046	10.079	VV	19	253	0.09%	0.050%
82	10.127	10.079	10.141	VV	22	595	0.21%	0.118%
83	10.152	10.141	10.195	VV	20	542	0.19%	0.107%
84	10.389	10.195	10.555	VV	178	20852	7.22%	4.138%
85	10.603	10.555	10.710	VV	94	6157	2.13%	1.222%
86	10.724	10.710	10.737	VV	31	489	0.17%	0.097%
87	10.794	10.737	10.839	VV	51	2327	0.81%	0.462%
88	10.853	10.839	10.895	VV	27	748	0.26%	0.148%
89	10.952	10.895	10.968	VV	35	1088	0.38%	0.216%

					rteres			
90	10.985	10.968	11.067	VV	43	1522	0.53%	0.302%
91	11.084	11.067	11.168	VV	23	913	0.32%	0.181%
92	11.211	11.168	11.248	PV	31	887	0.31%	0.176%
93	11.275	11.248	11.351	VV	21	635	0.22%	0.126%
94	11.447	11.351	11.540	VV	60	3566	1.24%	0.708%
95	11.582	11.540	11.596	VV	29	697	0.24%	0.138%
96	11.609	11.596	11.629	VV	29	387	0.13%	0.077%
97	11.647	11.629	11.693	VV	18	492	0.17%	0.098%
98	11.750	11.693	11.798	VV	24	1131	0.39%	0.225%
99	11.833	11.798	11.846	VV	22	583	0.20%	0.116%
100	11.877	11.846	11.931	VV	52	1458	0.50%	0.289%
101	11.956	11.931	11.981	VV	22	442	0.15%	0.088%
102	12.000	11.981	12.038	VV	15	346	0.12%	0.069%
103	12.063	12.038	12.088	VV	14	434	0.15%	0.086%
104	12.099	12.088	12.141	VV	23	549	0.19%	0.109%
105	12.160	12.141	12.181	VV	18	312	0.11%	0.062%
106	12.225	12.181	12.262	VV	24	782	0.27%	0.155%
107	12.290	12.262	12.304	VV	25	520	0.18%	0.103%
108	12.323	12.304	12.350	VV	44	724	0.25%	0.144%
109	12.363	12.350	12.395	VV	24	463	0.16%	0.092%
110	12.484	12.395	12.514	VV	25	728	0.25%	0.145%
111	12.545	12.514	12.579	VV	25	570	0.20%	0.113%
112	12.626	12.579	12.677	VV	21	962	0.33%	0.191%
113	12.750	12.677	12.818	VV	44	2359	0.82%	0.468%
114	12.854	12.818	12.869	VV	40	1119	0.39%	0.222%
115	12.882	12.869	12.968	VV	58	2393	0.83%	0.475%
116	13.055	12.968	13.132	VV	52	3306	1.15%	0.656%
117	13.187	13.132	13.293	VV	97	4849	1.68%	0.962%
118	13.319	13.293	13.357	VV	29	710	0.25%	0.141%
119	13.375	13.357	13.393	VV	17	342	0.12%	0.068%
120	13.422	13.393	13.440	VV	27	514	0.18%	0.102%
121	13.456	13.440	13.473	VV	24	360	0.12%	0.071%
122	13.505	13.473	13.539	VV	30	859	0.30%	0.170%
123	13.579	13.539	13.647	VV	31	1489	0.52%	0.295%
124	13.659	13.647	13.703	VV	27	586	0.20%	0.116%
125	13.915	13.703	13.965	VV	71	5585	1.93%	1.108%
126	13.988	13.965	14.012	VV	64	1371	0.48%	0.272%
127	14.131	14.012	14.302	VV	157	15372	5.32%	3.050%
128	14.413	14.302	14.470	VV	37	2544	0.88%	0.505%
129	14.486	14.470	14.505	VV	42	498	0.17%	0.099%
130	14.541	14.505	14.562	VV	29	663	0.23%	0.132%
131	14.600	14.562	14.638	PV	22	545	0.19%	0.108%
132	14.649	14.638	14.664	VV	18	232	0.08%	0.046%
133	14.682	14.664	14.702	VV	28	386	0.13%	0.077%
134	14.719	14.702	14.771	VV	25	609	0.21%	0.121%
135	14.821	14.771	14.842	VV	32	800	0.28%	0.159%
136	14.871	14.842	14.886	VV	22	388	0.13%	0.077%
137	14.911	14.886	14.952	VV	24	736	0.26%	0.146%
138	14.974	14.952	14.997	VV	33	626	0.22%	0.124%
139	15.057	14.997	15.140	VV	105	5306	1.84%	1.053%
140	15.165	15.140	15.192	VV	28	713	0.25%	0.142%
141	15.227	15.192	15.266	VV	32	933	0.32%	0.185%

[illegible]

FB053025.M Thu Jun 05 02:05:03 2025

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-56	SDG No.:	Q2176
Lab Sample ID:	Q2176-02	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	86.2
Sample Wt/Vol:	4.38	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
FB031868.D	1	06/03/25 16:20	FB060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	16.0	J	11.0	60.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	22.8		50 - 150	114%	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 : FB031868.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 16:20
Operator : YP/AJ
Sample : Q2176-02
Misc : 4.38G/5.00 ML DI WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-56

Integration File: Calibration.e
Quant Time: Jun 04 01:21:49 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	277591	22.749 ng/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

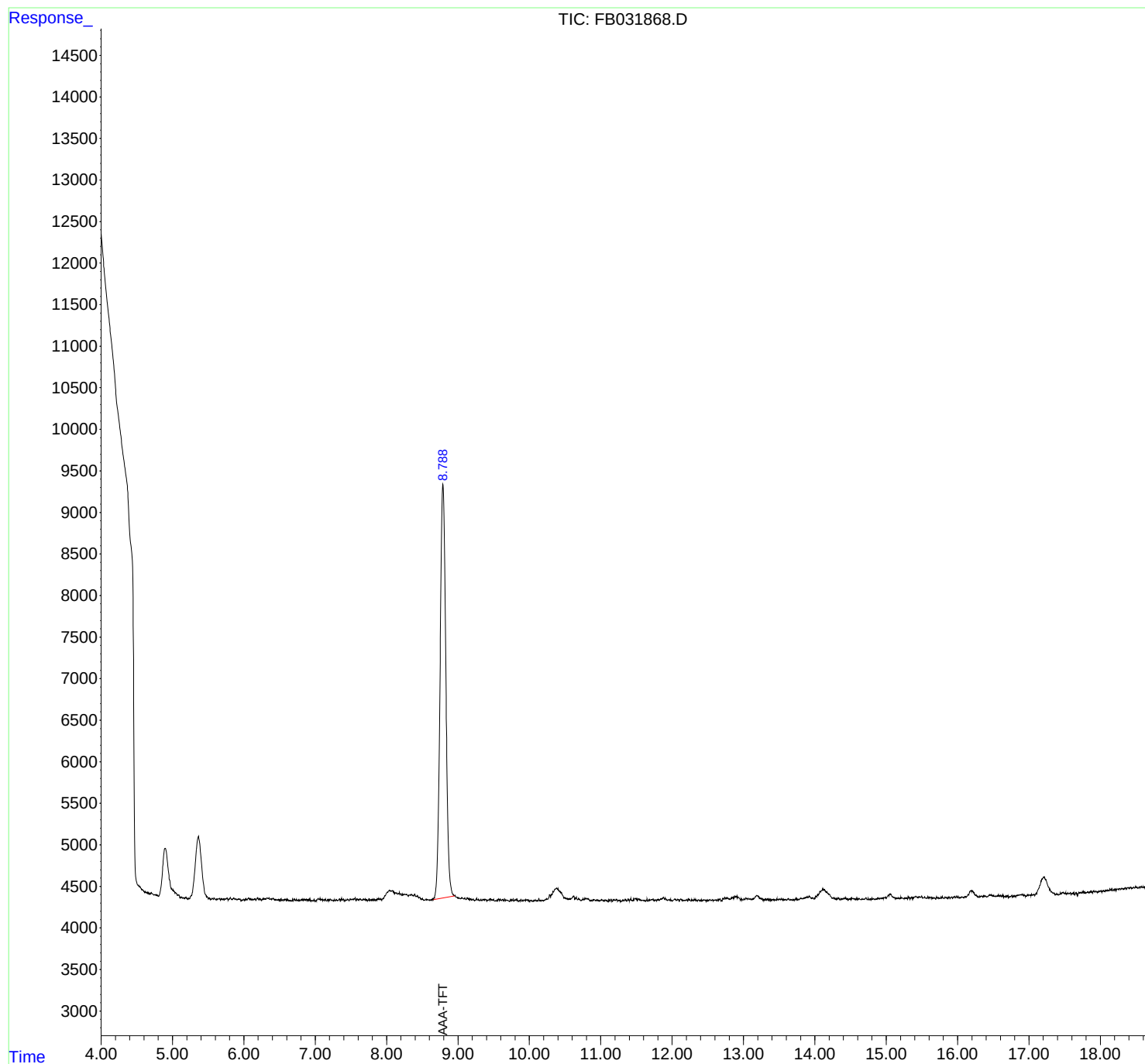
(m)=manual int.

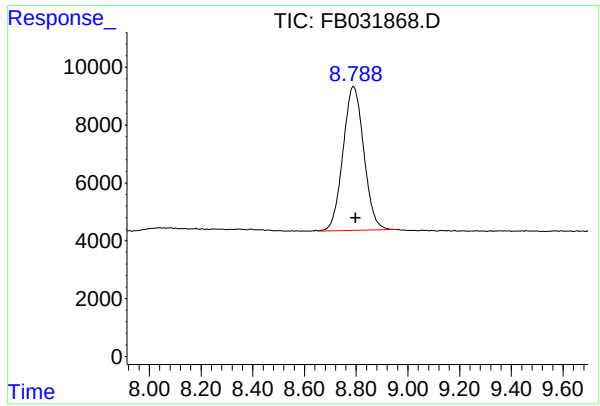
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060325\
Data File : FB031868.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 16:20
Operator : YP/AJ
Sample : Q2176-02
Misc : 4.38G/5.00 ML DI WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-56

Integration File: Calibration.e
Quant Time: Jun 04 01:21:49 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.: -0.008 min
Response: 277591
Conc: 22.75 ng/ml

Instrument :
FID_B
ClientSampleId :
TP-56

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060325\
 Data File : FB031868.D
 Signal(s) : FID2B.CH
 Acq On : 3 Jun 2025 16:20
 Sample : Q2176-02
 Misc : 4.38G/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	4.636	4.629	4.671	PV	11	193	0.07%	0.040%
2	4.679	4.671	4.689	PV	12	77	0.03%	0.016%
3	4.703	4.689	4.757	VV	27	502	0.18%	0.104%
4	4.765	4.757	4.775	VV	16	96	0.03%	0.020%
5	4.785	4.775	4.809	VV	15	106	0.04%	0.022%
6	5.088	5.070	5.115	VV	42	741	0.26%	0.153%
7	5.127	5.115	5.169	VV	16	358	0.12%	0.074%
8	5.186	5.169	5.194	VV	20	204	0.07%	0.042%
9	5.201	5.194	5.212	VV	17	115	0.04%	0.024%
10	5.216	5.212	5.222	VV	6	26	0.01%	0.005%
11	5.560	5.538	5.575	VV	24	332	0.12%	0.069%
12	5.584	5.575	5.613	VV	28	365	0.13%	0.076%
13	5.657	5.613	5.683	VV	22	655	0.23%	0.136%
14	5.692	5.683	5.704	VV	22	213	0.07%	0.044%
15	5.714	5.704	5.728	VV	25	241	0.08%	0.050%
16	5.760	5.728	5.780	VV	32	683	0.24%	0.141%
17	5.811	5.780	5.829	VV	41	695	0.24%	0.144%
18	5.856	5.829	5.879	VV	38	780	0.27%	0.161%
19	5.889	5.879	5.906	VV	31	376	0.13%	0.078%
20	5.930	5.906	5.942	VV	29	514	0.18%	0.106%
21	5.949	5.942	5.963	VV	31	227	0.08%	0.047%
22	5.996	5.963	6.012	PV	24	429	0.15%	0.089%
23	6.029	6.012	6.049	VV	29	465	0.16%	0.096%
24	6.070	6.049	6.088	VV	42	749	0.26%	0.155%
25	6.097	6.088	6.139	VV	36	730	0.25%	0.151%
26	6.159	6.139	6.169	VV	34	452	0.16%	0.094%
27	6.198	6.169	6.212	VV	44	744	0.26%	0.154%
28	6.224	6.212	6.233	VV	36	362	0.13%	0.075%
29	6.237	6.233	6.247	VV	27	157	0.05%	0.032%
30	6.325	6.247	6.369	VV	43	2260	0.79%	0.468%
31	6.385	6.369	6.393	VV	33	408	0.14%	0.084%
32	6.408	6.393	6.442	VV	39	791	0.28%	0.164%
33	6.455	6.442	6.466	VV	26	295	0.10%	0.061%
34	6.485	6.466	6.511	VV	29	469	0.16%	0.097%
35	6.522	6.511	6.531	VV	32	246	0.09%	0.051%
36	6.539	6.531	6.552	VV	22	206	0.07%	0.043%

					rteres			
37	6.584	6.552	6.602	VV	29	577	0.20%	0.120%
38	6.610	6.602	6.632	VV	31	322	0.11%	0.067%
39	6.681	6.632	6.691	VV	20	374	0.13%	0.077%
40	6.708	6.691	6.724	VV	34	398	0.14%	0.082%
41	6.735	6.724	6.758	VV	23	321	0.11%	0.067%
42	6.766	6.758	6.786	VV	20	208	0.07%	0.043%
43	6.808	6.786	6.819	VV	24	319	0.11%	0.066%
44	6.825	6.819	6.833	VV	28	157	0.05%	0.033%
45	6.841	6.833	6.864	VV	30	381	0.13%	0.079%
46	6.875	6.864	6.884	VV	32	281	0.10%	0.058%
47	6.891	6.884	6.911	VV	24	293	0.10%	0.061%
48	6.918	6.911	6.942	VV	27	312	0.11%	0.065%
49	6.953	6.942	6.972	PV	15	162	0.06%	0.034%
50	6.983	6.972	6.993	VV	27	187	0.07%	0.039%
51	7.042	6.993	7.059	VV	35	702	0.25%	0.145%
52	7.068	7.059	7.090	VV	39	499	0.17%	0.103%
53	7.099	7.090	7.131	VV	28	498	0.17%	0.103%
54	7.143	7.131	7.161	VV	28	296	0.10%	0.061%
55	7.211	7.161	7.226	VV	32	754	0.26%	0.156%
56	7.234	7.226	7.254	VV	21	248	0.09%	0.051%
57	7.263	7.254	7.280	VV	21	237	0.08%	0.049%
58	7.296	7.280	7.319	VV	24	346	0.12%	0.072%
59	7.339	7.319	7.359	VV	37	540	0.19%	0.112%
60	7.370	7.359	7.380	VV	39	290	0.10%	0.060%
61	7.395	7.380	7.405	VV	30	352	0.12%	0.073%
62	7.461	7.405	7.475	VV	28	734	0.26%	0.152%
63	7.488	7.475	7.505	VV	31	421	0.15%	0.087%
64	7.559	7.505	7.570	VV	47	1106	0.39%	0.229%
65	7.580	7.570	7.614	VV	31	661	0.23%	0.137%
66	7.634	7.614	7.644	VV	34	486	0.17%	0.101%
67	7.649	7.644	7.656	VV	22	134	0.05%	0.028%
68	7.682	7.656	7.697	VV	33	619	0.22%	0.128%
69	7.704	7.697	7.713	VV	32	202	0.07%	0.042%
70	7.721	7.713	7.742	VV	24	314	0.11%	0.065%
71	7.752	7.742	7.764	VV	37	292	0.10%	0.060%
72	7.772	7.764	7.777	VV	22	125	0.04%	0.026%
73	7.811	7.777	7.820	VV	32	540	0.19%	0.112%
74	7.829	7.820	7.838	VV	33	235	0.08%	0.049%
75	7.875	7.838	7.885	VV	31	710	0.25%	0.147%
76	7.893	7.885	7.904	VV	37	348	0.12%	0.072%
77	7.915	7.904	7.933	VV	38	487	0.17%	0.101%
78	8.038	7.933	8.066	VV	137	7200	2.51%	1.491%
79	8.083	8.066	8.112	VV	134	3337	1.17%	0.691%
80	8.125	8.112	8.133	VV	108	1335	0.47%	0.276%
81	8.139	8.133	8.153	VV	106	1202	0.42%	0.249%
82	8.167	8.153	8.174	VV	99	1181	0.41%	0.245%
83	8.182	8.174	8.193	VV	111	1097	0.38%	0.227%
84	8.204	8.193	8.233	VV	97	2115	0.74%	0.438%
85	8.251	8.233	8.276	VV	91	2231	0.78%	0.462%
86	8.285	8.276	8.306	VV	88	1425	0.50%	0.295%
87	8.315	8.306	8.333	VV	82	1309	0.46%	0.271%
88	8.348	8.333	8.379	VV	91	2154	0.75%	0.446%
89	8.393	8.379	8.417	VV	90	1692	0.59%	0.350%

					rteres			
90	8.431	8.417	8.450	VV	69	1225	0.43%	0.254%
91	8.464	8.450	8.479	VV	57	824	0.29%	0.171%
92	8.486	8.479	8.535	VV	36	925	0.32%	0.192%
93	8.553	8.535	8.562	VV	34	387	0.14%	0.080%
94	8.571	8.562	8.600	VV	28	510	0.18%	0.106%
95	8.645	8.600	8.653	VV	40	786	0.27%	0.163%
96	8.790	8.653	8.954	VV	5023	286311	100.00%	59.295%
97	8.960	8.954	9.037	VV	78	2552	0.89%	0.529%
98	9.058	9.037	9.085	VV	50	1174	0.41%	0.243%
99	9.097	9.085	9.114	VV	44	626	0.22%	0.130%
100	9.135	9.114	9.150	VV	45	756	0.26%	0.157%
101	9.157	9.150	9.167	VV	42	327	0.11%	0.068%
102	9.183	9.167	9.194	VV	37	446	0.16%	0.092%
103	9.214	9.194	9.235	VV	37	594	0.21%	0.123%
104	9.266	9.235	9.279	VV	37	641	0.22%	0.133%
105	9.287	9.279	9.304	VV	32	313	0.11%	0.065%
106	9.319	9.304	9.346	VV	31	499	0.17%	0.103%
107	9.355	9.346	9.384	VV	32	578	0.20%	0.120%
108	9.390	9.384	9.415	VV	31	421	0.15%	0.087%
109	9.444	9.415	9.485	VV	35	1031	0.36%	0.213%
110	9.498	9.485	9.516	VV	28	352	0.12%	0.073%
111	9.567	9.516	9.611	VV	33	1146	0.40%	0.237%
112	9.630	9.611	9.639	VV	30	358	0.13%	0.074%
113	9.655	9.639	9.664	VV	35	313	0.11%	0.065%
114	9.675	9.664	9.688	VV	23	272	0.10%	0.056%
115	9.697	9.688	9.721	VV	20	263	0.09%	0.054%
116	9.741	9.721	9.760	VV	31	400	0.14%	0.083%
117	9.773	9.760	9.783	VV	33	294	0.10%	0.061%
118	9.802	9.783	9.814	VV	29	357	0.12%	0.074%
119	9.825	9.814	9.854	VV	29	425	0.15%	0.088%
120	9.883	9.854	9.897	VV	30	409	0.14%	0.085%
121	9.909	9.897	9.918	VV	24	192	0.07%	0.040%
122	9.930	9.918	9.942	VV	24	287	0.10%	0.059%
123	9.951	9.942	9.962	VV	33	278	0.10%	0.058%
124	9.969	9.962	10.007	VV	26	513	0.18%	0.106%
125	10.029	10.007	10.041	VV	22	300	0.10%	0.062%
126	10.082	10.041	10.099	VV	23	500	0.17%	0.104%
127	10.107	10.099	10.120	VV	19	161	0.06%	0.033%
128	10.133	10.120	10.167	VV	44	526	0.18%	0.109%
129	10.179	10.167	10.202	VV	21	340	0.12%	0.070%
130	10.250	10.202	10.259	VV	37	975	0.34%	0.202%
131	10.286	10.259	10.309	VV	89	1908	0.67%	0.395%
132	10.382	10.309	10.543	VV	164	14420	5.04%	2.986%
133	10.624	10.543	10.636	VV	72	2536	0.89%	0.525%
134	10.657	10.636	10.677	VV	57	1019	0.36%	0.211%
135	10.692	10.677	10.724	VV	45	803	0.28%	0.166%
136	10.813	10.724	10.855	VV	44	2436	0.85%	0.505%
137	10.910	10.855	10.932	VV	30	976	0.34%	0.202%
138	10.949	10.932	10.984	VV	22	572	0.20%	0.119%
139	11.011	10.984	11.041	VV	31	672	0.23%	0.139%
140	11.061	11.041	11.106	VV	29	623	0.22%	0.129%
141	11.142	11.106	11.167	PV	33	663	0.23%	0.137%

					rteres			
142	11.179	11.167	11.210	VV	26	544	0.19%	0.113%
143	11.223	11.210	11.240	VV	33	389	0.14%	0.081%
144	11.256	11.240	11.281	VV	22	363	0.13%	0.075%
145	11.344	11.281	11.365	VV	33	805	0.28%	0.167%
146	11.384	11.365	11.404	VV	26	469	0.16%	0.097%
147	11.418	11.404	11.451	VV	28	630	0.22%	0.130%
148	11.485	11.451	11.518	VV	39	1251	0.44%	0.259%
149	11.532	11.518	11.628	VV	37	1289	0.45%	0.267%
150	11.649	11.628	11.664	VV	31	362	0.13%	0.075%
151	11.732	11.664	11.766	VV	31	1269	0.44%	0.263%
152	11.811	11.766	11.823	VV	28	692	0.24%	0.143%
153	11.877	11.823	11.896	VV	54	1497	0.52%	0.310%
154	11.906	11.896	11.938	VV	39	719	0.25%	0.149%
155	11.955	11.938	12.004	VV	22	699	0.24%	0.145%
156	12.038	12.004	12.068	VV	29	774	0.27%	0.160%
157	12.083	12.068	12.102	VV	24	378	0.13%	0.078%
158	12.121	12.102	12.155	VV	32	565	0.20%	0.117%
159	12.201	12.155	12.219	VV	16	525	0.18%	0.109%
160	12.230	12.219	12.264	VV	31	492	0.17%	0.102%
161	12.313	12.264	12.343	VV	25	688	0.24%	0.142%
162	12.370	12.343	12.395	VV	21	395	0.14%	0.082%
163	12.446	12.395	12.514	VV	20	890	0.31%	0.184%
164	12.529	12.514	12.550	VV	24	330	0.12%	0.068%
165	12.671	12.550	12.690	VV	30	1291	0.45%	0.267%
166	12.713	12.690	12.729	VV	35	504	0.18%	0.104%
167	12.741	12.729	12.759	VV	49	663	0.23%	0.137%
168	12.774	12.759	12.812	VV	38	1043	0.36%	0.216%
169	12.882	12.812	12.995	VV	61	4170	1.46%	0.864%
170	13.037	12.995	13.052	VV	35	845	0.30%	0.175%
171	13.066	13.052	13.080	VV	35	460	0.16%	0.095%
172	13.092	13.080	13.113	VV	28	431	0.15%	0.089%
173	13.186	13.113	13.296	VV	70	3971	1.39%	0.822%
174	13.310	13.296	13.330	VV	28	360	0.13%	0.075%
175	13.340	13.330	13.385	VV	27	501	0.17%	0.104%
176	13.419	13.385	13.488	PV	20	821	0.29%	0.170%
177	13.501	13.488	13.522	VV	19	349	0.12%	0.072%
178	13.532	13.522	13.607	VV	29	773	0.27%	0.160%
179	13.626	13.607	13.653	VV	27	444	0.15%	0.092%
180	13.667	13.653	13.689	VV	14	227	0.08%	0.047%
181	13.740	13.689	13.780	VV	33	766	0.27%	0.159%
182	13.810	13.780	13.834	VV	32	754	0.26%	0.156%
183	13.925	13.834	13.992	VV	49	3344	1.17%	0.693%
184	14.112	13.992	14.312	VV	147	13513	4.72%	2.799%
185	14.329	14.312	14.394	VV	30	821	0.29%	0.170%
186	14.427	14.394	14.475	VV	29	904	0.32%	0.187%
187	14.486	14.475	14.500	VV	13	191	0.07%	0.040%
188	14.521	14.500	14.574	VV	23	710	0.25%	0.147%
189	14.588	14.574	14.607	VV	16	256	0.09%	0.053%
190	14.622	14.607	14.652	VV	20	324	0.11%	0.067%
191	14.718	14.652	14.763	VV	29	851	0.30%	0.176%
192	14.799	14.763	14.840	VV	21	504	0.18%	0.104%
193	14.881	14.840	14.911	VV	16	570	0.20%	0.118%
194	15.059	14.911	15.155	VV	69	4803	1.68%	0.995%

[illegible]

FB053025.M Wed Jun 04 02:19:42 2025

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-25	SDG No.:	Q2176
Lab Sample ID:	Q2176-03	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	85.7
Sample Wt/Vol:	5.76	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
FB031869.D	1	06/03/25 16:48	FB060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	10.0	J	8.00	46.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	22.3		50 - 150	112%	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 : FB031869.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 16:48
Operator : YP/AJ
Sample : Q2176-03
Misc : 5.76G/5.00 ML DI WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-25

Integration File: Calibration.e
Quant Time: Jun 04 01:21:55 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	8.790	272383	22.322 ng/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

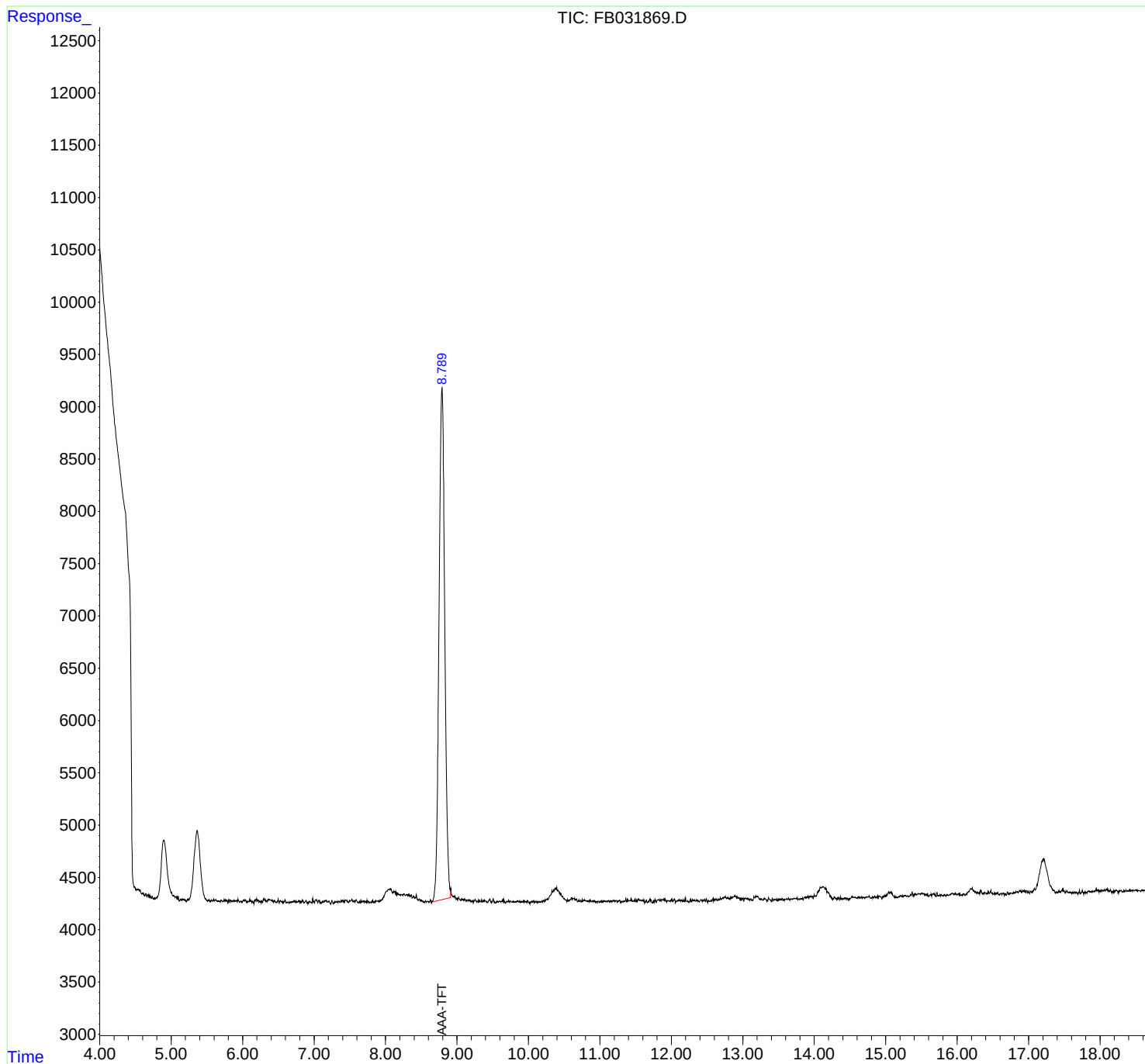
(m)=manual int.

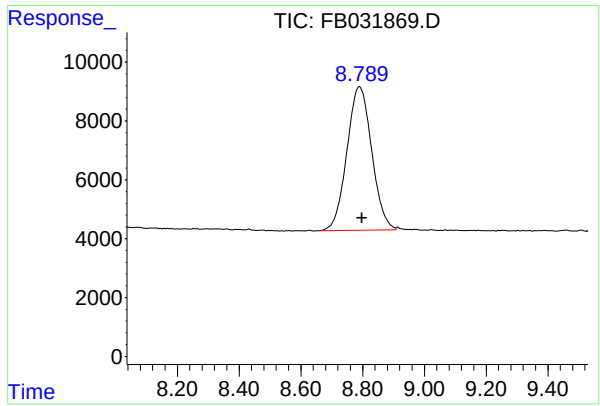
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060325\
Data File : FB031869.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 16:48
Operator : YP/AJ
Sample : Q2176-03
Misc : 5.76G/5.00 ML DI WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-25

Integration File: Calibration.e
Quant Time: Jun 04 01:21:55 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.: 8.790 min
Delta R.T.: -0.008 min
Response: 272383
Conc: 22.32 ng/ml

Instrument :
FID_B
ClientSampleId :
TP-25

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060325\
 Data File : FB031869.D
 Signal(s) : FID2B.CH
 Acq On : 3 Jun 2025 16:48
 Sample : Q2176-03
 Misc : 5.76G/5.00 ML DI WATER
 ALS Vial : 12 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	4.673	4.661	4.682	PV	21	142	0.05%	0.032%
2	4.688	4.682	4.724	VV	21	268	0.10%	0.061%
3	4.736	4.724	4.750	PV	25	136	0.05%	0.031%
4	4.762	4.750	4.778	PV	9	60	0.02%	0.014%
5	4.793	4.778	4.801	VV	17	136	0.05%	0.031%
6	5.071	5.055	5.082	VV	40	486	0.18%	0.110%
7	5.099	5.082	5.120	VV	41	425	0.15%	0.096%
8	5.159	5.120	5.167	VV	19	278	0.10%	0.063%
9	5.177	5.167	5.216	VV	19	316	0.11%	0.072%
10	5.519	5.509	5.527	VV	22	164	0.06%	0.037%
11	5.534	5.527	5.551	VV	21	172	0.06%	0.039%
12	5.563	5.551	5.574	VV	23	194	0.07%	0.044%
13	5.593	5.574	5.604	VV	29	284	0.10%	0.064%
14	5.628	5.604	5.653	VV	25	489	0.18%	0.111%
15	5.660	5.653	5.686	VV	17	205	0.07%	0.046%
16	5.703	5.686	5.718	VV	23	284	0.10%	0.064%
17	5.777	5.718	5.796	VV	26	750	0.27%	0.170%
18	5.810	5.796	5.821	PV	30	246	0.09%	0.056%
19	5.831	5.821	5.840	VV	28	218	0.08%	0.049%
20	5.845	5.840	5.852	VV	19	118	0.04%	0.027%
21	5.864	5.852	5.874	VV	19	222	0.08%	0.050%
22	5.938	5.874	5.957	VV	31	936	0.34%	0.212%
23	6.042	5.957	6.063	VV	32	1099	0.40%	0.249%
24	6.098	6.063	6.157	VV	35	846	0.31%	0.192%
25	6.196	6.157	6.258	PV	36	1324	0.48%	0.300%
26	6.269	6.258	6.279	VV	15	152	0.06%	0.035%
27	6.304	6.279	6.329	VV	46	864	0.31%	0.196%
28	6.343	6.329	6.351	VV	28	322	0.12%	0.073%
29	6.361	6.351	6.375	VV	38	470	0.17%	0.107%
30	6.381	6.375	6.403	VV	34	532	0.19%	0.121%
31	6.416	6.403	6.428	VV	32	373	0.13%	0.085%
32	6.441	6.428	6.473	VV	27	502	0.18%	0.114%
33	6.498	6.473	6.514	VV	37	482	0.17%	0.109%
34	6.529	6.514	6.573	VV	30	600	0.22%	0.136%
35	6.597	6.573	6.611	VV	37	483	0.17%	0.110%
36	6.620	6.611	6.625	VV	11	76	0.03%	0.017%

					rteres				
37	6.633	6.625	6.661	VV	16	250	0.09%	0.057%	
38	6.699	6.661	6.708	VV	23	438	0.16%	0.099%	
39	6.721	6.708	6.738	VV	29	371	0.13%	0.084%	
40	6.747	6.738	6.756	VV	32	217	0.08%	0.049%	
41	6.796	6.756	6.806	VV	32	581	0.21%	0.132%	
42	6.814	6.806	6.823	VV	26	183	0.07%	0.041%	
43	6.834	6.823	6.867	VV	30	573	0.21%	0.130%	
44	6.888	6.867	6.924	VV	30	539	0.19%	0.122%	
45	6.943	6.924	6.972	VV	25	422	0.15%	0.096%	
46	6.981	6.972	7.003	VV	47	460	0.17%	0.104%	
47	7.028	7.003	7.053	VV	41	865	0.31%	0.196%	
48	7.066	7.053	7.084	VV	33	422	0.15%	0.096%	
49	7.120	7.084	7.129	VV	29	431	0.16%	0.098%	
50	7.175	7.129	7.185	VV	38	865	0.31%	0.196%	
51	7.210	7.185	7.231	VV	31	529	0.19%	0.120%	
52	7.253	7.231	7.271	PV	34	419	0.15%	0.095%	
53	7.294	7.271	7.313	VV	28	410	0.15%	0.093%	
54	7.325	7.313	7.335	VV	25	238	0.09%	0.054%	
55	7.353	7.335	7.363	VV	25	330	0.12%	0.075%	
56	7.396	7.363	7.429	VV	38	882	0.32%	0.200%	
57	7.440	7.429	7.484	VV	36	806	0.29%	0.183%	
58	7.531	7.484	7.553	VV	42	1011	0.37%	0.229%	
59	7.565	7.553	7.574	VV	30	255	0.09%	0.058%	
60	7.591	7.574	7.635	VV	34	604	0.22%	0.137%	
61	7.658	7.635	7.669	VV	23	319	0.12%	0.072%	
62	7.693	7.669	7.704	VV	20	330	0.12%	0.075%	
63	7.711	7.704	7.724	VV	18	149	0.05%	0.034%	
64	7.730	7.724	7.736	VV	19	88	0.03%	0.020%	
65	7.744	7.736	7.774	VV	23	288	0.10%	0.065%	
66	7.787	7.774	7.799	VV	9	69	0.03%	0.016%	
67	7.821	7.799	7.831	PV	30	229	0.08%	0.052%	
68	7.840	7.831	7.854	PV	9	83	0.03%	0.019%	
69	7.869	7.854	7.877	PV	13	109	0.04%	0.025%	
70	7.888	7.877	7.941	VV	9	135	0.05%	0.031%	
71	8.044	7.941	8.053	VV	92	3629	1.31%	0.823%	
72	8.068	8.053	8.103	VV	94	2224	0.80%	0.504%	
73	8.115	8.103	8.210	VB	56	2013	0.73%	0.456%	
74	8.256	8.220	8.279	BV	16	200	0.07%	0.045%	
75	8.293	8.279	8.317	VV	18	329	0.12%	0.075%	
76	8.326	8.317	8.351	VV	30	447	0.16%	0.101%	
77	8.362	8.351	8.375	VV	32	270	0.10%	0.061%	
78	8.397	8.375	8.414	VV	24	383	0.14%	0.087%	
79	8.433	8.414	8.457	VV	47	515	0.19%	0.117%	
80	8.474	8.457	8.534	VV	19	392	0.14%	0.089%	
81	8.561	8.534	8.573	PV	17	147	0.05%	0.033%	
82	8.598	8.573	8.614	PV	14	217	0.08%	0.049%	
83	8.629	8.614	8.644	VV	29	246	0.09%	0.056%	
84	8.654	8.644	8.659	PV	15	80	0.03%	0.018%	
85	8.790	8.659	8.908	VV	4918	276841	100.00%	62.766%	
86	9.025	9.011	9.052	VV	53	917	0.33%	0.208%	
87	9.069	9.052	9.138	VV	43	1580	0.57%	0.358%	
88	9.175	9.138	9.232	VV	31	1195	0.43%	0.271%	
89	9.256	9.232	9.297	VV	35	772	0.28%	0.175%	

					rteres			
90	9.340	9.297	9.425	VV	30	1389	0.50%	0.315%
91	9.459	9.425	9.485	VV	36	709	0.26%	0.161%
92	9.508	9.485	9.542	VV	43	536	0.19%	0.122%
93	9.601	9.542	9.615	VV	23	619	0.22%	0.140%
94	9.649	9.615	9.681	VV	21	730	0.26%	0.165%
95	9.722	9.681	9.767	VV	27	852	0.31%	0.193%
96	9.783	9.767	9.831	VV	19	552	0.20%	0.125%
97	9.848	9.831	9.917	VV	25	842	0.30%	0.191%
98	9.926	9.917	9.966	VV	24	487	0.18%	0.110%
99	9.990	9.966	10.020	VV	27	470	0.17%	0.107%
100	10.047	10.020	10.085	PV	19	528	0.19%	0.120%
101	10.099	10.085	10.179	VV	13	744	0.27%	0.169%
102	10.396	10.179	10.563	VV	145	15714	5.68%	3.563%
103	10.603	10.563	10.694	VV	49	2879	1.04%	0.653%
104	10.785	10.694	10.831	VV	37	1842	0.67%	0.418%
105	10.864	10.831	10.882	VV	33	647	0.23%	0.147%
106	10.898	10.882	10.909	VV	21	290	0.10%	0.066%
107	10.927	10.909	10.946	VV	24	384	0.14%	0.087%
108	11.063	10.946	11.086	VV	25	1284	0.46%	0.291%
109	11.121	11.086	11.142	VV	26	609	0.22%	0.138%
110	11.156	11.142	11.171	VV	23	317	0.11%	0.072%
111	11.188	11.171	11.214	VV	26	518	0.19%	0.118%
112	11.230	11.214	11.248	VV	24	410	0.15%	0.093%
113	11.276	11.248	11.301	VV	26	545	0.20%	0.124%
114	11.364	11.301	11.420	VV	38	1502	0.54%	0.341%
115	11.434	11.420	11.487	VV	45	921	0.33%	0.209%
116	11.494	11.487	11.529	VV	41	549	0.20%	0.124%
117	11.545	11.529	11.590	VV	39	1028	0.37%	0.233%
118	11.598	11.590	11.640	VV	32	562	0.20%	0.127%
119	11.651	11.640	11.666	VV	28	223	0.08%	0.051%
120	11.705	11.666	11.734	VV	34	721	0.26%	0.163%
121	11.823	11.734	11.858	PV	33	1455	0.53%	0.330%
122	11.872	11.858	11.891	VV	35	567	0.20%	0.129%
123	11.898	11.891	11.941	VV	44	772	0.28%	0.175%
124	11.955	11.941	11.980	VV	21	408	0.15%	0.092%
125	12.006	11.980	12.021	VV	36	554	0.20%	0.126%
126	12.044	12.021	12.061	VV	32	488	0.18%	0.111%
127	12.106	12.061	12.173	VV	28	1219	0.44%	0.276%
128	12.202	12.173	12.247	VV	40	656	0.24%	0.149%
129	12.267	12.247	12.289	PV	29	330	0.12%	0.075%
130	12.299	12.289	12.336	VV	23	520	0.19%	0.118%
131	12.372	12.336	12.392	VV	20	525	0.19%	0.119%
132	12.414	12.392	12.459	VV	25	635	0.23%	0.144%
133	12.491	12.459	12.545	VV	30	675	0.24%	0.153%
134	12.584	12.545	12.604	VV	32	663	0.24%	0.150%
135	12.619	12.604	12.659	VV	32	763	0.28%	0.173%
136	12.749	12.659	12.815	VV	50	3209	1.16%	0.728%
137	12.892	12.815	12.992	VV	60	4136	1.49%	0.938%
138	13.001	12.992	13.016	VV	28	358	0.13%	0.081%
139	13.042	13.016	13.058	VV	35	671	0.24%	0.152%
140	13.070	13.058	13.101	VV	32	611	0.22%	0.139%
141	13.115	13.101	13.140	VV	28	389	0.14%	0.088%

					rteres				
142	13.205	13.140	13.285	VV	50	2713	0.98%	0.615%	
143	13.308	13.285	13.349	VV	23	620	0.22%	0.141%	
144	13.364	13.349	13.398	VV	28	473	0.17%	0.107%	
145	13.413	13.398	13.449	PV	26	409	0.15%	0.093%	
146	13.457	13.449	13.489	VV	19	296	0.11%	0.067%	
147	13.552	13.489	13.566	VV	25	654	0.24%	0.148%	
148	13.620	13.566	13.658	VV	28	843	0.30%	0.191%	
149	13.676	13.658	13.691	VV	18	311	0.11%	0.071%	
150	13.720	13.691	13.795	VV	25	1151	0.42%	0.261%	
151	13.907	13.795	13.984	VV	37	3121	1.13%	0.708%	
152	14.119	13.984	14.261	VV	127	12659	4.57%	2.870%	
153	14.283	14.261	14.315	VV	30	536	0.19%	0.121%	
154	14.326	14.315	14.401	VV	26	694	0.25%	0.157%	
155	14.528	14.401	14.599	VV	31	1711	0.62%	0.388%	
156	14.629	14.599	14.646	VV	20	505	0.18%	0.114%	
157	14.661	14.646	14.674	VV	24	280	0.10%	0.063%	
158	14.769	14.674	14.793	VV	32	1364	0.49%	0.309%	
159	14.814	14.793	14.869	VV	24	816	0.29%	0.185%	
160	14.887	14.869	14.950	VV	39	966	0.35%	0.219%	
161	15.040	14.950	15.161	PV	67	4230	1.53%	0.959%	
162	15.210	15.161	15.267	VV	24	1226	0.44%	0.278%	
163	15.278	15.267	15.320	VV	30	668	0.24%	0.151%	
164	15.371	15.320	15.387	VV	57	1182	0.43%	0.268%	
165	15.423	15.387	15.437	VV	36	984	0.36%	0.223%	
166	15.472	15.437	15.492	VV	42	1263	0.46%	0.286%	
167	15.509	15.492	15.609	VV	46	2214	0.80%	0.502%	
168	15.663	15.609	15.701	VV	33	1399	0.51%	0.317%	
169	15.718	15.701	15.736	VV	43	468	0.17%	0.106%	
170	15.760	15.736	15.804	VV	28	715	0.26%	0.162%	
171	15.828	15.804	15.845	VV	26	410	0.15%	0.093%	
172	15.862	15.845	15.879	VV	21	366	0.13%	0.083%	
173	15.930	15.879	15.954	VV	34	1145	0.41%	0.260%	
174	15.979	15.954	15.996	VV	32	672	0.24%	0.152%	
175	16.034	15.996	16.112	VV	37	1360	0.49%	0.308%	
176	16.208	16.112	16.302	VV	78	5056	1.83%	1.146%	
177	16.334	16.302	16.377	VV	48	1478	0.53%	0.335%	
178	16.391	16.377	16.409	VV	29	516	0.19%	0.117%	
179	16.472	16.409	16.547	VV	45	2031	0.73%	0.460%	
180	16.567	16.547	16.592	VV	26	470	0.17%	0.106%	
181	16.617	16.592	16.686	VV	21	747	0.27%	0.169%	
182	16.703	16.686	16.732	PV	28	352	0.13%	0.080%	
183	16.756	16.732	16.772	VV	16	312	0.11%	0.071%	
184	16.840	16.772	16.855	VV	16	694	0.25%	0.157%	
185	16.876	16.855	16.904	VV	20	508	0.18%	0.115%	
186	16.923	16.904	16.962	VV	20	436	0.16%	0.099%	
187	16.976	16.962	17.005	PBA	14	86	0.03%	0.020%	
Sum of corrected areas:							441069		

FB053025.M Wed Jun 04 02:20:49 2025

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-26	SDG No.:	Q2176
Lab Sample ID:	Q2176-04	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	85.2
Sample Wt/Vol:	4.69	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
FB031870.D	1	06/03/25 17:15	FB060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	21.0	J	10.0	56.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	18.7		50 - 150	94%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060325\
Data File : FB031870.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 17:15
Operator : YP/AJ
Sample : Q2176-04
Misc : 4.69G/5.00 ML DI WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-26

Integration File: Calibration.e
Quant Time: Jun 04 01:22:03 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	8.792	228438	18.721 ng/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

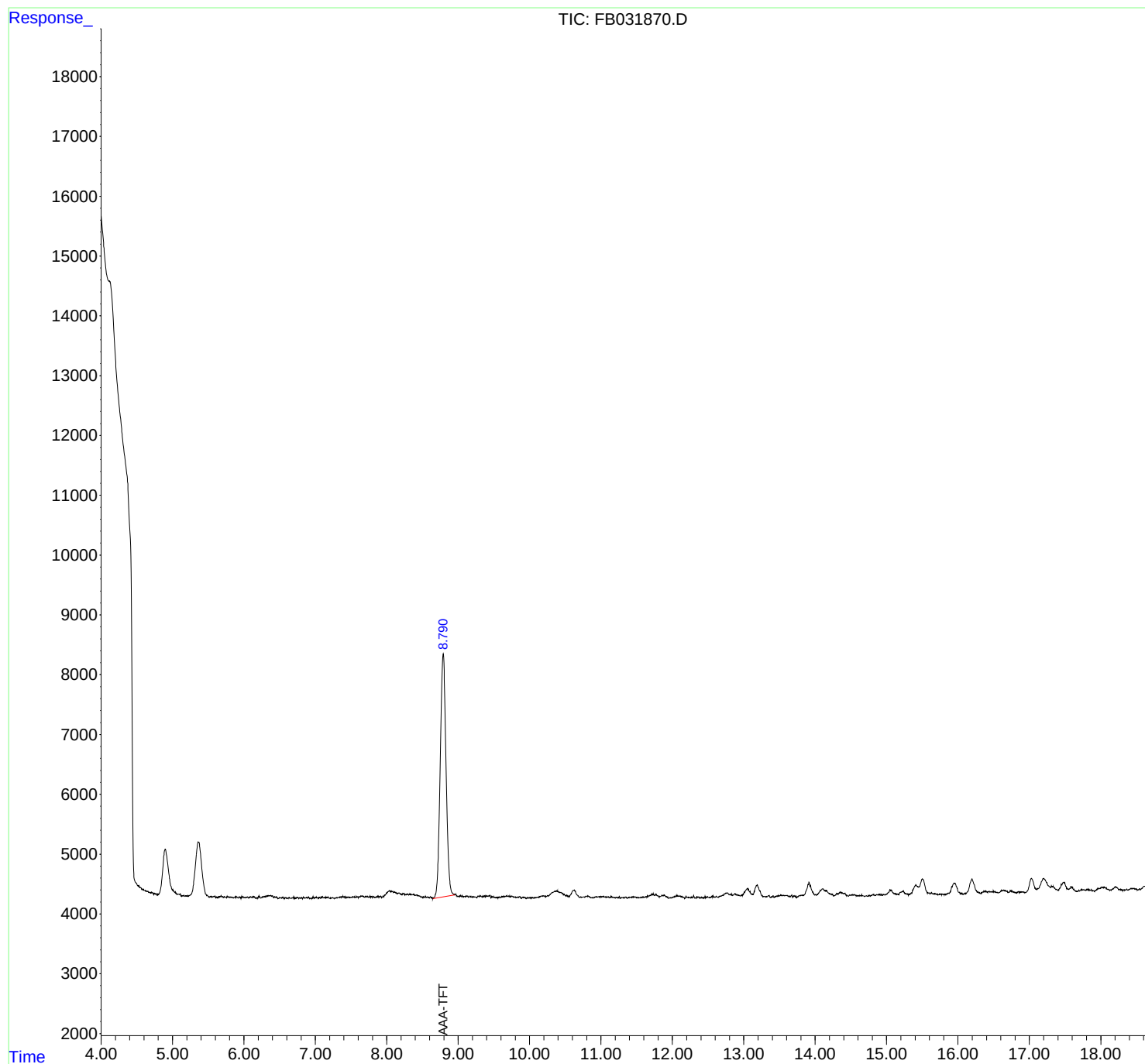
(m)=manual int.

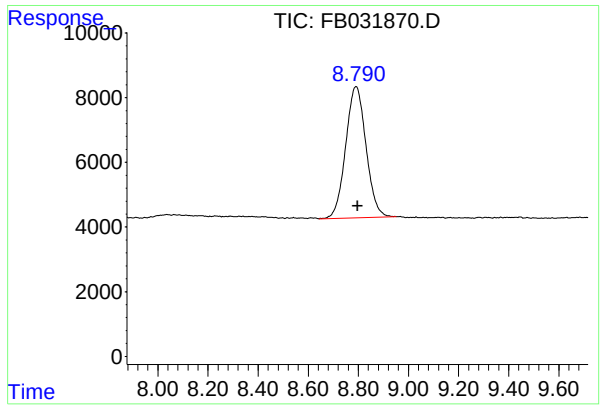
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060325\
Data File : FB031870.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 17:15
Operator : YP/AJ
Sample : Q2176-04
Misc : 4.69G/5.00 ML DI WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-26

Integration File: Calibration.e
Quant Time: Jun 04 01:22:03 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.: 8.792 min
Delta R.T.: -0.006 min
Response: 228438
Conc: 18.72 ng/ml

Instrument :
FID_B
ClientSampleId :
TP-26

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060325\
 Data File : FB031870.D
 Signal(s) : FID2B.CH
 Acq On : 3 Jun 2025 17:15
 Sample : Q2176-04
 Misc : 4.69G/5.00 ML DI WATER
 ALS Vial : 13 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	4.617	4.604	4.637	BV	11	42	0.02%	0.008%
2	4.645	4.637	4.738	VV	11	527	0.22%	0.102%
3	4.750	4.738	4.765	PV	18	204	0.09%	0.039%
4	4.770	4.765	4.799	VV	15	92	0.04%	0.018%
5	5.083	5.072	5.099	VV	33	478	0.20%	0.093%
6	5.108	5.099	5.124	VV	42	323	0.14%	0.062%
7	5.131	5.124	5.152	PV	15	154	0.07%	0.030%
8	5.159	5.152	5.175	VV	23	163	0.07%	0.032%
9	5.184	5.175	5.208	VV	14	159	0.07%	0.031%
10	5.219	5.208	5.227	VV	19	100	0.04%	0.019%
11	5.488	5.481	5.516	VV	37	440	0.19%	0.085%
12	5.538	5.516	5.560	VV	22	320	0.14%	0.062%
13	5.582	5.560	5.614	VV	25	466	0.20%	0.090%
14	5.622	5.614	5.633	VV	10	77	0.03%	0.015%
15	5.668	5.633	5.675	PV	27	405	0.17%	0.078%
16	5.682	5.675	5.690	VV	32	201	0.09%	0.039%
17	5.699	5.690	5.711	VV	25	211	0.09%	0.041%
18	5.725	5.711	5.756	VV	26	355	0.15%	0.069%
19	5.765	5.756	5.776	VV	27	182	0.08%	0.035%
20	5.788	5.776	5.820	VV	21	372	0.16%	0.072%
21	5.829	5.820	5.850	VV	18	203	0.09%	0.039%
22	5.859	5.850	5.866	VV	11	78	0.03%	0.015%
23	5.882	5.866	5.923	VV	28	512	0.22%	0.099%
24	5.936	5.923	5.948	VV	28	240	0.10%	0.046%
25	5.951	5.948	5.958	VV	17	59	0.03%	0.011%
26	5.989	5.958	5.999	VV	30	429	0.18%	0.083%
27	6.012	5.999	6.020	VV	14	157	0.07%	0.030%
28	6.044	6.020	6.067	VV	25	452	0.19%	0.087%
29	6.077	6.067	6.083	VV	25	161	0.07%	0.031%
30	6.092	6.083	6.111	VV	29	386	0.16%	0.075%
31	6.124	6.111	6.134	VV	31	317	0.13%	0.061%
32	6.142	6.134	6.169	VV	33	419	0.18%	0.081%
33	6.205	6.169	6.241	PV	40	830	0.35%	0.160%
34	6.275	6.241	6.291	VV	37	827	0.35%	0.160%
35	6.300	6.291	6.307	VV	35	328	0.14%	0.063%
36	6.323	6.307	6.353	VV	52	1292	0.55%	0.250%

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37	6.370	6.353	6.392	VV	55	1145	0.49%	0.221%
38	6.399	6.392	6.418	VV	53	584	0.25%	0.113%
39	6.427	6.418	6.437	VV	37	319	0.14%	0.062%
40	6.457	6.437	6.487	VV	36	638	0.27%	0.123%
41	6.500	6.487	6.508	VV	23	180	0.08%	0.035%
42	6.516	6.508	6.529	VV	21	218	0.09%	0.042%
43	6.543	6.529	6.569	VV	25	388	0.17%	0.075%
44	6.581	6.569	6.608	PV	24	357	0.15%	0.069%
45	6.638	6.608	6.666	VV	22	508	0.22%	0.098%
46	6.693	6.666	6.724	VV	39	577	0.25%	0.112%
47	6.750	6.724	6.800	VV	31	797	0.34%	0.154%
48	6.810	6.800	6.822	VV	25	228	0.10%	0.044%
49	6.836	6.822	6.848	VV	30	270	0.11%	0.052%
50	6.877	6.848	6.889	VV	25	452	0.19%	0.087%
51	6.908	6.889	6.943	VV	34	521	0.22%	0.101%
52	6.969	6.943	6.991	VV	31	540	0.23%	0.104%
53	7.015	6.991	7.043	VV	32	651	0.28%	0.126%
54	7.055	7.043	7.073	VV	30	372	0.16%	0.072%
55	7.083	7.073	7.092	VV	36	257	0.11%	0.050%
56	7.100	7.092	7.115	VV	41	366	0.16%	0.071%
57	7.129	7.115	7.136	VV	25	256	0.11%	0.049%
58	7.178	7.136	7.206	VV	31	880	0.37%	0.170%
59	7.239	7.206	7.266	VV	22	542	0.23%	0.105%
60	7.298	7.266	7.309	VV	25	422	0.18%	0.082%
61	7.385	7.309	7.435	VV	40	2153	0.92%	0.416%
62	7.465	7.435	7.478	VV	34	653	0.28%	0.126%
63	7.528	7.478	7.542	VV	42	1095	0.47%	0.212%
64	7.551	7.542	7.602	VV	41	1085	0.46%	0.210%
65	7.661	7.602	7.691	VV	49	2054	0.87%	0.397%
66	7.712	7.691	7.723	VV	46	698	0.30%	0.135%
67	7.733	7.723	7.742	VV	44	425	0.18%	0.082%
68	7.750	7.742	7.757	VV	34	262	0.11%	0.051%
69	7.768	7.757	7.804	VV	47	986	0.42%	0.191%
70	7.818	7.804	7.838	VV	37	592	0.25%	0.114%
71	7.855	7.838	7.862	VV	38	449	0.19%	0.087%
72	7.878	7.862	7.905	VV	53	964	0.41%	0.186%
73	7.914	7.905	7.938	VV	49	672	0.29%	0.130%
74	7.949	7.938	7.958	VV	46	443	0.19%	0.086%
75	8.036	7.958	8.055	VV	140	5667	2.41%	1.096%
76	8.066	8.055	8.076	VV	133	1549	0.66%	0.300%
77	8.086	8.076	8.104	VV	127	1977	0.84%	0.382%
78	8.113	8.104	8.144	VV	119	2510	1.07%	0.485%
79	8.177	8.144	8.216	VV	100	3763	1.60%	0.728%
80	8.229	8.216	8.256	VV	94	1958	0.83%	0.379%
81	8.288	8.256	8.312	VV	81	2451	1.04%	0.474%
82	8.325	8.312	8.334	VV	86	971	0.41%	0.188%
83	8.341	8.334	8.407	VV	82	3014	1.28%	0.583%
84	8.418	8.407	8.445	VV	66	1381	0.59%	0.267%
85	8.452	8.445	8.484	VV	52	959	0.41%	0.186%
86	8.497	8.484	8.508	VV	35	392	0.17%	0.076%
87	8.517	8.508	8.527	VV	40	319	0.14%	0.062%
88	8.542	8.527	8.565	VV	41	632	0.27%	0.122%
89	8.575	8.565	8.597	VV	31	457	0.19%	0.088%

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90	8.612	8.597	8.645	VV	35	625	0.27%	0.121%
91	8.792	8.645	8.960	VV	4095	235252	100.00%	45.489%
92	8.967	8.960	9.023	VV	75	1915	0.81%	0.370%
93	9.031	9.023	9.079	VV	60	1453	0.62%	0.281%
94	9.087	9.079	9.101	VV	41	501	0.21%	0.097%
95	9.121	9.101	9.149	VV	49	1171	0.50%	0.226%
96	9.167	9.149	9.193	VV	44	868	0.37%	0.168%
97	9.202	9.193	9.216	VV	38	416	0.18%	0.080%
98	9.226	9.216	9.266	VV	34	855	0.36%	0.165%
99	9.281	9.266	9.296	VV	46	677	0.29%	0.131%
100	9.309	9.296	9.316	VV	45	510	0.22%	0.099%
101	9.321	9.316	9.338	VV	48	487	0.21%	0.094%
102	9.345	9.338	9.361	VV	46	505	0.21%	0.098%
103	9.370	9.361	9.378	VV	51	411	0.17%	0.079%
104	9.395	9.378	9.408	VV	49	790	0.34%	0.153%
105	9.446	9.408	9.459	VV	62	1422	0.60%	0.275%
106	9.475	9.459	9.489	VV	43	575	0.24%	0.111%
107	9.498	9.489	9.542	VV	37	724	0.31%	0.140%
108	9.548	9.542	9.566	VV	30	332	0.14%	0.064%
109	9.575	9.566	9.585	VV	34	270	0.11%	0.052%
110	9.632	9.585	9.643	VV	46	1073	0.46%	0.207%
111	9.684	9.643	9.700	VV	56	1389	0.59%	0.269%
112	9.713	9.700	9.723	VV	43	572	0.24%	0.111%
113	9.728	9.723	9.737	VV	41	269	0.11%	0.052%
114	9.755	9.737	9.781	VV	46	951	0.40%	0.184%
115	9.799	9.781	9.820	VV	37	611	0.26%	0.118%
116	9.836	9.820	9.848	VV	32	424	0.18%	0.082%
117	9.863	9.848	9.884	VV	40	545	0.23%	0.105%
118	9.904	9.884	9.912	VV	25	294	0.12%	0.057%
119	9.920	9.912	9.951	VV	31	427	0.18%	0.083%
120	9.972	9.951	9.981	PV	19	183	0.08%	0.035%
121	10.000	9.981	10.008	VV	22	251	0.11%	0.048%
122	10.017	10.008	10.025	VV	26	175	0.07%	0.034%
123	10.042	10.025	10.052	VV	22	267	0.11%	0.052%
124	10.063	10.052	10.078	VV	17	233	0.10%	0.045%
125	10.088	10.078	10.093	VV	19	150	0.06%	0.029%
126	10.179	10.093	10.187	VV	52	1875	0.80%	0.362%
127	10.196	10.187	10.228	VV	48	1035	0.44%	0.200%
128	10.255	10.228	10.271	VV	53	1108	0.47%	0.214%
129	10.379	10.271	10.513	VV	131	13755	5.85%	2.660%
130	10.520	10.513	10.545	VV	64	884	0.38%	0.171%
131	10.622	10.545	10.710	VV	143	7804	3.32%	1.509%
132	10.719	10.710	10.733	VV	34	351	0.15%	0.068%
133	10.762	10.733	10.771	VV	31	586	0.25%	0.113%
134	10.790	10.771	10.807	VV	42	753	0.32%	0.146%
135	10.819	10.807	10.869	VV	47	1090	0.46%	0.211%
136	10.879	10.869	10.888	VV	22	187	0.08%	0.036%
137	10.935	10.888	10.954	VV	30	933	0.40%	0.180%
138	10.964	10.954	10.979	VV	34	449	0.19%	0.087%
139	10.998	10.979	11.006	VV	40	495	0.21%	0.096%
140	11.014	11.006	11.030	VV	35	444	0.19%	0.086%
141	11.037	11.030	11.121	VV	40	1444	0.61%	0.279%

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142	11.145	11.121	11.189	VV	42	916	0.39%	0.177%
143	11.194	11.189	11.202	VV	19	118	0.05%	0.023%
144	11.226	11.202	11.237	VV	24	367	0.16%	0.071%
145	11.256	11.237	11.273	VV	31	356	0.15%	0.069%
146	11.285	11.273	11.295	VV	17	172	0.07%	0.033%
147	11.311	11.295	11.320	VV	17	213	0.09%	0.041%
148	11.352	11.320	11.367	VV	28	478	0.20%	0.092%
149	11.390	11.367	11.399	VV	21	255	0.11%	0.049%
150	11.414	11.399	11.423	VV	22	243	0.10%	0.047%
151	11.448	11.423	11.501	VV	33	1072	0.46%	0.207%
152	11.510	11.501	11.530	VV	21	266	0.11%	0.051%
153	11.535	11.530	11.543	VV	14	107	0.05%	0.021%
154	11.568	11.543	11.577	VV	20	313	0.13%	0.061%
155	11.587	11.577	11.603	VV	29	334	0.14%	0.065%
156	11.655	11.603	11.663	VV	49	1010	0.43%	0.195%
157	11.718	11.663	11.726	VV	80	2010	0.85%	0.389%
158	11.737	11.726	11.755	VV	75	1027	0.44%	0.199%
159	11.766	11.755	11.789	VV	69	1143	0.49%	0.221%
160	11.794	11.789	11.829	VV	47	887	0.38%	0.172%
161	11.855	11.829	11.871	VV	56	1084	0.46%	0.210%
162	11.888	11.871	11.917	VV	58	1201	0.51%	0.232%
163	11.924	11.917	11.949	VV	34	330	0.14%	0.064%
164	11.972	11.949	11.986	PV	11	155	0.07%	0.030%
165	12.033	11.986	12.041	VV	36	607	0.26%	0.117%
166	12.054	12.041	12.078	VV	54	832	0.35%	0.161%
167	12.095	12.078	12.141	VV	42	1231	0.52%	0.238%
168	12.149	12.141	12.180	VV	26	349	0.15%	0.068%
169	12.191	12.180	12.237	VV	34	536	0.23%	0.104%
170	12.247	12.237	12.257	VV	16	144	0.06%	0.028%
171	12.298	12.257	12.325	VV	44	631	0.27%	0.122%
172	12.346	12.325	12.373	VV	32	435	0.18%	0.084%
173	12.377	12.373	12.387	VV	17	73	0.03%	0.014%
174	12.411	12.387	12.446	VV	21	364	0.15%	0.070%
175	12.458	12.446	12.478	PV	32	240	0.10%	0.046%
176	12.492	12.478	12.525	VV	30	476	0.20%	0.092%
177	12.571	12.525	12.598	VV	39	965	0.41%	0.187%
178	12.615	12.598	12.639	VV	32	517	0.22%	0.100%
179	12.773	12.639	12.797	VV	86	5117	2.18%	0.990%
180	12.809	12.797	12.844	VV	70	1552	0.66%	0.300%
181	12.875	12.844	12.891	VV	74	1676	0.71%	0.324%
182	12.898	12.891	12.923	VV	60	1014	0.43%	0.196%
183	12.936	12.923	12.950	VV	46	682	0.29%	0.132%
184	13.055	12.950	13.132	VV	163	9941	4.23%	1.922%
185	13.190	13.132	13.270	VV	221	10290	4.37%	1.990%
186	13.297	13.270	13.307	VV	25	484	0.21%	0.093%
187	13.355	13.307	13.371	VV	38	920	0.39%	0.178%
188	13.394	13.371	13.404	VV	19	289	0.12%	0.056%
189	13.413	13.404	13.426	VV	38	253	0.11%	0.049%
190	13.467	13.426	13.475	VV	36	630	0.27%	0.122%
191	13.486	13.475	13.495	VV	37	368	0.16%	0.071%
192	13.525	13.495	13.538	VV	48	946	0.40%	0.183%
193	13.547	13.538	13.555	VV	42	393	0.17%	0.076%
194	13.563	13.555	13.574	VV	41	413	0.18%	0.080%

					rteres			
195	13.586	13.574	13.593	VV	38	405	0.17%	0.078%
196	13.602	13.593	13.645	VV	40	906	0.39%	0.175%
197	13.675	13.645	13.686	VV	46	673	0.29%	0.130%
198	13.714	13.686	13.742	VV	31	675	0.29%	0.131%
199	13.783	13.742	13.792	PV	37	642	0.27%	0.124%
200	13.801	13.792	13.842	VV	41	1104	0.47%	0.213%
201	13.916	13.842	13.996	VV	256	11838	5.03%	2.289%
202	14.006	13.996	14.017	VV	48	509	0.22%	0.098%
203	14.110	14.017	14.145	VV	140	7555	3.21%	1.461%
204	14.153	14.145	14.223	VV	119	3638	1.55%	0.704%
205	14.230	14.223	14.269	VV	54	1010	0.43%	0.195%
206	14.303	14.269	14.321	VV	60	1264	0.54%	0.244%
207	14.358	14.321	14.402	VV	81	3141	1.34%	0.607%
208	14.414	14.402	14.464	VV	61	1301	0.55%	0.252%
209	14.480	14.464	14.493	VV	29	363	0.15%	0.070%
210	14.526	14.493	14.589	VV	38	1504	0.64%	0.291%
211	14.625	14.589	14.653	VV	22	532	0.23%	0.103%
212	14.657	14.653	14.693	VV	18	253	0.11%	0.049%
213	14.717	14.693	14.738	PV	11	150	0.06%	0.029%
214	14.749	14.738	14.773	VV	21	224	0.10%	0.043%
215	14.808	14.773	14.815	PV	31	455	0.19%	0.088%
216	14.823	14.815	14.838	VV	35	302	0.13%	0.058%
217	14.865	14.838	14.879	VV	29	504	0.21%	0.097%
218	14.907	14.879	14.920	VV	38	676	0.29%	0.131%
219	14.930	14.920	14.947	VV	29	292	0.12%	0.057%
220	14.966	14.947	14.977	VV	28	410	0.17%	0.079%
221	15.049	14.977	15.106	VV	108	4496	1.91%	0.869%
222	15.116	15.106	15.126	VV	44	420	0.18%	0.081%
223	15.134	15.126	15.142	VV	39	290	0.12%	0.056%
224	15.152	15.142	15.161	VV	32	312	0.13%	0.060%
225	15.234	15.161	15.264	VV	82	3201	1.36%	0.619%
226	15.272	15.264	15.306	VV	37	642	0.27%	0.124%
227	15.312	15.306	15.322	VV	31	211	0.09%	0.041%
228	15.412	15.322	15.447	VV	175	7966	3.39%	1.540%
229	15.503	15.447	15.590	VV	273	13585	5.77%	2.627%
230	15.599	15.590	15.609	VV	36	378	0.16%	0.073%
231	15.631	15.609	15.646	VV	42	655	0.28%	0.127%
232	15.655	15.646	15.702	VV	24	601	0.26%	0.116%
233	15.708	15.702	15.740	VV	15	144	0.06%	0.028%
234	15.754	15.740	15.790	VV	14	239	0.10%	0.046%
235	15.816	15.790	15.836	VV	15	208	0.09%	0.040%
236	15.846	15.836	15.852	VV	17	104	0.04%	0.020%
237	15.947	15.852	16.077	VV	193	10332	4.39%	1.998%
238	16.098	16.077	16.108	PV	15	180	0.08%	0.035%
239	16.197	16.108	16.271	VV	254	11695	4.97%	2.261%
240	16.280	16.271	16.314	VV	41	586	0.25%	0.113%
241	16.390	16.314	16.413	VV	46	1669	0.71%	0.323%
242	16.438	16.413	16.453	VV	41	752	0.32%	0.145%
243	16.462	16.453	16.472	VV	31	352	0.15%	0.068%
244	16.481	16.472	16.488	VV	36	271	0.12%	0.052%
245	16.497	16.488	16.505	VV	42	335	0.14%	0.065%
246	16.515	16.505	16.569	VV	35	808	0.34%	0.156%

	Area	Area	Area	Area	Area	Area	Area	Area
247	16.638	16.569	16.709	VV	56	2978	1.27%	0.576%
248	16.756	16.709	16.767	VV	48	982	0.42%	0.190%
249	16.775	16.767	16.821	VV	21	382	0.16%	0.074%
250	16.845	16.821	16.863	PV	27	336	0.14%	0.065%
251	16.893	16.863	16.902	PV	18	308	0.13%	0.060%
252	16.916	16.902	16.950	VV	21	270	0.11%	0.052%
Sum of corrected areas:							517165	

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-28	SDG No.:	Q2176
Lab Sample ID:	Q2176-05	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	90.5
Sample Wt/Vol:	5.87	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
FB031871.D	1	06/03/25 17:43	FB060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	12.0	J	8.00	42.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	21.7		50 - 150	109%	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 : FB031871.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 17:43
Operator : YP/AJ
Sample : Q2176-05
Misc : 5.87G/5.00 ML DI WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-28

Integration File: Calibration.e
Quant Time: Jun 04 01:22:12 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	264991	21.716 ng/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

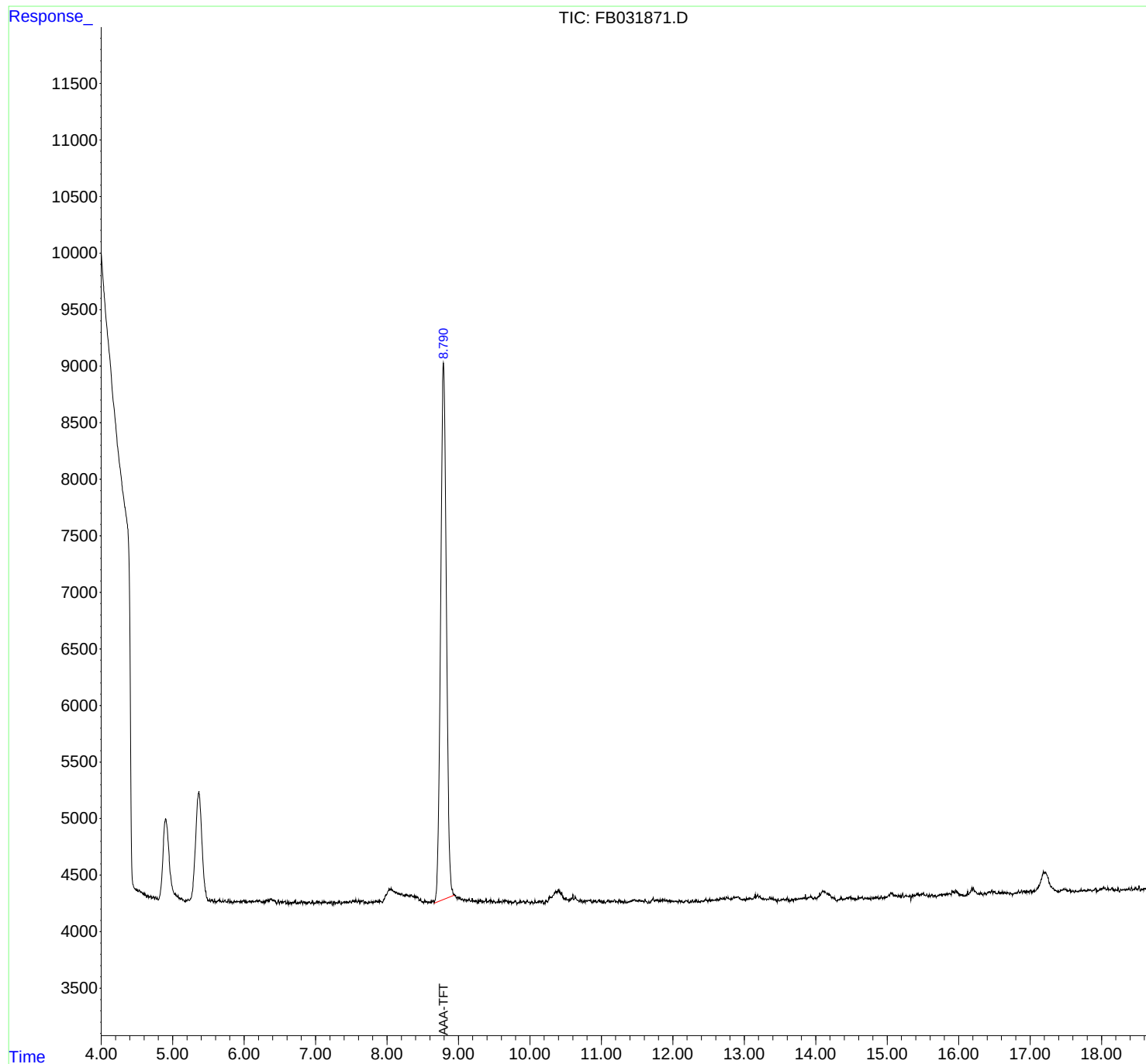
(m)=manual int.

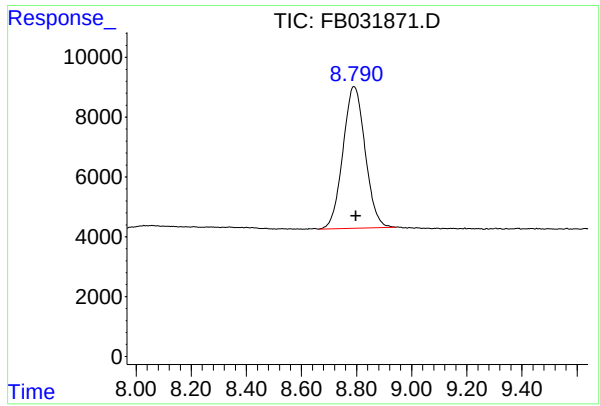
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060325\
Data File : FB031871.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 17:43
Operator : YP/AJ
Sample : Q2176-05
Misc : 5.87G/5.00 ML DI WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-28

Integration File: Calibration.e
Quant Time: Jun 04 01:22:12 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.: -0.006 min
Response: 264991
Conc: 21.72 ng/ml

Instrument :
FID_B
ClientSampleId :
TP-28

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060325\
 Data File : FB031871.D
 Signal(s) : FID2B.CH
 Acq On : 3 Jun 2025 17:43
 Sample : Q2176-05
 Misc : 5.87G/5.00 ML DI WATER
 ALS Vial : 14 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	4.649	4.604	4.662	BV	10	16	0.01%	0.003%
2	4.668	4.662	4.680	PV	9	66	0.02%	0.014%
3	4.695	4.680	4.705	VV	22	160	0.06%	0.033%
4	4.714	4.705	4.721	PV	14	81	0.03%	0.017%
5	4.732	4.721	4.747	VV	26	230	0.08%	0.048%
6	4.758	4.747	4.773	VV	23	202	0.07%	0.042%
7	4.784	4.773	4.801	VV	21	166	0.06%	0.034%
8	5.035	5.027	5.069	VV	67	1336	0.49%	0.278%
9	5.077	5.069	5.114	VV	50	853	0.31%	0.177%
10	5.124	5.114	5.175	VV	33	555	0.20%	0.115%
11	5.181	5.175	5.187	PV	15	61	0.02%	0.013%
12	5.219	5.187	5.236	VV	22	407	0.15%	0.085%
13	5.519	5.508	5.530	VV	33	245	0.09%	0.051%
14	5.545	5.530	5.573	VV	27	483	0.18%	0.100%
15	5.586	5.573	5.596	VV	31	208	0.08%	0.043%
16	5.607	5.596	5.623	PV	15	165	0.06%	0.034%
17	5.641	5.623	5.650	VV	25	308	0.11%	0.064%
18	5.658	5.650	5.685	VV	34	395	0.14%	0.082%
19	5.702	5.685	5.716	VV	22	267	0.10%	0.056%
20	5.733	5.716	5.751	VV	29	365	0.13%	0.076%
21	5.778	5.751	5.795	VV	35	436	0.16%	0.091%
22	5.805	5.795	5.836	VV	27	309	0.11%	0.064%
23	5.849	5.836	5.853	VV	12	86	0.03%	0.018%
24	5.861	5.853	5.890	VV	22	301	0.11%	0.063%
25	5.901	5.890	5.943	VV	22	496	0.18%	0.103%
26	5.954	5.943	5.970	VV	28	294	0.11%	0.061%
27	6.003	5.970	6.045	VV	30	797	0.29%	0.166%
28	6.070	6.045	6.101	VV	24	565	0.21%	0.117%
29	6.121	6.101	6.141	VV	25	473	0.17%	0.098%
30	6.171	6.141	6.204	VV	31	892	0.32%	0.185%
31	6.219	6.204	6.244	VV	36	569	0.21%	0.118%
32	6.252	6.244	6.262	VV	22	155	0.06%	0.032%
33	6.272	6.262	6.282	VV	26	200	0.07%	0.042%
34	6.313	6.282	6.321	VV	40	597	0.22%	0.124%
35	6.339	6.321	6.347	VV	39	515	0.19%	0.107%
36	6.382	6.347	6.458	VV	47	2124	0.77%	0.441%

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37	6.480	6.458	6.496	VV	37	416	0.15%	0.086%	
38	6.508	6.496	6.548	VV	28	587	0.21%	0.122%	
39	6.576	6.548	6.597	VV	31	557	0.20%	0.116%	
40	6.606	6.597	6.619	VV	29	187	0.07%	0.039%	
41	6.629	6.619	6.643	PV	26	202	0.07%	0.042%	
42	6.650	6.643	6.664	VV	18	179	0.07%	0.037%	
43	6.686	6.664	6.694	VV	24	312	0.11%	0.065%	
44	6.721	6.694	6.733	VV	41	503	0.18%	0.105%	
45	6.745	6.733	6.756	VV	18	137	0.05%	0.029%	
46	6.764	6.756	6.774	VV	22	177	0.06%	0.037%	
47	6.804	6.774	6.822	VV	34	591	0.22%	0.123%	
48	6.835	6.822	6.848	VV	25	297	0.11%	0.062%	
49	6.854	6.848	6.876	VV	21	281	0.10%	0.058%	
50	6.895	6.876	6.903	VV	26	266	0.10%	0.055%	
51	6.915	6.903	6.933	VV	27	353	0.13%	0.073%	
52	6.958	6.933	6.976	VV	39	553	0.20%	0.115%	
53	7.020	6.976	7.029	VV	36	603	0.22%	0.125%	
54	7.039	7.029	7.085	VV	32	779	0.28%	0.162%	
55	7.094	7.085	7.106	VV	32	260	0.09%	0.054%	
56	7.131	7.106	7.165	VV	33	797	0.29%	0.166%	
57	7.179	7.165	7.187	VV	24	229	0.08%	0.048%	
58	7.193	7.187	7.212	VV	22	281	0.10%	0.058%	
59	7.222	7.212	7.236	VV	36	296	0.11%	0.061%	
60	7.248	7.236	7.323	PV	31	995	0.36%	0.207%	
61	7.338	7.323	7.356	VV	33	437	0.16%	0.091%	
62	7.365	7.356	7.381	VV	27	268	0.10%	0.056%	
63	7.397	7.381	7.421	VV	31	572	0.21%	0.119%	
64	7.427	7.421	7.443	VV	31	346	0.13%	0.072%	
65	7.453	7.443	7.464	VV	27	288	0.10%	0.060%	
66	7.483	7.464	7.504	VV	39	626	0.23%	0.130%	
67	7.514	7.504	7.520	VV	38	295	0.11%	0.061%	
68	7.528	7.520	7.555	VV	39	682	0.25%	0.142%	
69	7.565	7.555	7.583	VV	45	523	0.19%	0.109%	
70	7.609	7.583	7.628	VV	40	795	0.29%	0.165%	
71	7.637	7.628	7.651	VV	36	429	0.16%	0.089%	
72	7.666	7.651	7.680	VV	40	566	0.21%	0.118%	
73	7.696	7.680	7.705	VV	31	324	0.12%	0.067%	
74	7.715	7.705	7.735	VV	24	303	0.11%	0.063%	
75	7.779	7.735	7.788	VV	30	710	0.26%	0.148%	
76	7.798	7.788	7.815	VV	28	363	0.13%	0.076%	
77	7.846	7.815	7.883	VV	35	1104	0.40%	0.229%	
78	7.891	7.883	7.898	VV	43	290	0.11%	0.060%	
79	7.903	7.898	7.935	VV	38	643	0.23%	0.134%	
80	8.029	7.935	8.045	VV	142	5623	2.04%	1.168%	
81	8.058	8.045	8.125	VV	147	5967	2.17%	1.240%	
82	8.136	8.125	8.154	VV	114	1808	0.66%	0.376%	
83	8.162	8.154	8.197	VV	103	2466	0.90%	0.512%	
84	8.209	8.197	8.229	VV	103	1781	0.65%	0.370%	
85	8.275	8.229	8.290	VV	90	3059	1.11%	0.636%	
86	8.296	8.290	8.307	VV	85	802	0.29%	0.167%	
87	8.318	8.307	8.325	VV	85	861	0.31%	0.179%	
88	8.341	8.325	8.372	VV	88	2216	0.81%	0.460%	
89	8.384	8.372	8.392	VV	81	840	0.31%	0.175%	

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90	8.400	8.392	8.411	VV	79	825	0.30%	0.171%
91	8.421	8.411	8.461	VV	74	1645	0.60%	0.342%
92	8.470	8.461	8.512	VV	44	952	0.35%	0.198%
93	8.531	8.512	8.577	VV	41	1005	0.37%	0.209%
94	8.587	8.577	8.637	VV	27	792	0.29%	0.165%
95	8.648	8.637	8.662	VV	40	444	0.16%	0.092%
96	8.791	8.662	8.985	VV	4787	274989	100.00%	57.141%
97	8.993	8.985	9.010	VV	67	905	0.33%	0.188%
98	9.020	9.010	9.052	VV	63	1300	0.47%	0.270%
99	9.057	9.052	9.075	VV	50	587	0.21%	0.122%
100	9.086	9.075	9.108	VV	45	786	0.29%	0.163%
101	9.117	9.108	9.131	VV	41	529	0.19%	0.110%
102	9.141	9.131	9.169	VV	44	850	0.31%	0.177%
103	9.193	9.169	9.264	VV	55	1736	0.63%	0.361%
104	9.305	9.264	9.314	VV	46	856	0.31%	0.178%
105	9.321	9.314	9.333	VV	39	325	0.12%	0.068%
106	9.344	9.333	9.355	VV	33	327	0.12%	0.068%
107	9.385	9.355	9.398	VV	46	778	0.28%	0.162%
108	9.438	9.398	9.448	VV	40	849	0.31%	0.176%
109	9.456	9.448	9.483	VV	38	525	0.19%	0.109%
110	9.495	9.483	9.521	VV	34	506	0.18%	0.105%
111	9.541	9.521	9.551	VV	22	344	0.13%	0.072%
112	9.564	9.551	9.573	VV	43	346	0.13%	0.072%
113	9.596	9.573	9.610	VV	29	494	0.18%	0.103%
114	9.627	9.610	9.639	VV	32	445	0.16%	0.093%
115	9.655	9.639	9.687	VV	37	918	0.33%	0.191%
116	9.694	9.687	9.703	VV	32	207	0.08%	0.043%
117	9.726	9.703	9.757	VV	31	619	0.23%	0.129%
118	9.797	9.757	9.818	VV	32	753	0.27%	0.156%
119	9.826	9.818	9.833	PV	16	88	0.03%	0.018%
120	9.873	9.833	9.882	VV	35	603	0.22%	0.125%
121	9.909	9.882	9.940	VV	32	703	0.26%	0.146%
122	9.966	9.940	9.981	VV	34	518	0.19%	0.108%
123	9.993	9.981	10.004	VV	20	207	0.08%	0.043%
124	10.031	10.004	10.046	VV	22	411	0.15%	0.085%
125	10.072	10.046	10.090	VV	32	411	0.15%	0.085%
126	10.117	10.090	10.129	VV	27	431	0.16%	0.090%
127	10.140	10.129	10.166	VV	30	500	0.18%	0.104%
128	10.178	10.166	10.197	VV	34	334	0.12%	0.069%
129	10.232	10.197	10.248	VV	32	607	0.22%	0.126%
130	10.271	10.248	10.279	VV	69	828	0.30%	0.172%
131	10.291	10.279	10.313	VV	65	1211	0.44%	0.252%
132	10.368	10.313	10.377	VV	115	3603	1.31%	0.749%
133	10.403	10.377	10.494	VV	129	6131	2.23%	1.274%
134	10.507	10.494	10.520	VV	56	712	0.26%	0.148%
135	10.538	10.520	10.549	VV	42	611	0.22%	0.127%
136	10.558	10.549	10.565	VV	45	342	0.12%	0.071%
137	10.575	10.565	10.583	VV	50	436	0.16%	0.091%
138	10.602	10.583	10.616	VV	84	1099	0.40%	0.228%
139	10.634	10.616	10.689	VV	67	1765	0.64%	0.367%
140	10.705	10.689	10.718	VV	38	471	0.17%	0.098%
141	10.728	10.718	10.739	VV	35	320	0.12%	0.066%

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142	10.760	10.739	10.775	VV	33	449	0.16%	0.093%
143	10.788	10.775	10.802	VV	34	406	0.15%	0.084%
144	10.815	10.802	10.825	VV	35	414	0.15%	0.086%
145	10.851	10.825	10.871	VV	37	680	0.25%	0.141%
146	10.881	10.871	10.888	VV	26	190	0.07%	0.039%
147	10.896	10.888	10.907	VV	31	286	0.10%	0.059%
148	10.917	10.907	10.933	VV	34	357	0.13%	0.074%
149	10.964	10.933	11.017	VV	34	1074	0.39%	0.223%
150	11.027	11.017	11.056	VV	27	318	0.12%	0.066%
151	11.092	11.056	11.113	VV	34	725	0.26%	0.151%
152	11.122	11.113	11.134	VV	25	241	0.09%	0.050%
153	11.150	11.134	11.170	VV	25	454	0.17%	0.094%
154	11.184	11.170	11.233	VV	36	836	0.30%	0.174%
155	11.250	11.233	11.271	VV	36	505	0.18%	0.105%
156	11.287	11.271	11.301	VV	22	278	0.10%	0.058%
157	11.308	11.301	11.318	VV	23	157	0.06%	0.033%
158	11.330	11.318	11.344	VV	30	233	0.08%	0.048%
159	11.467	11.344	11.494	VV	37	1965	0.71%	0.408%
160	11.504	11.494	11.513	VV	27	261	0.09%	0.054%
161	11.522	11.513	11.554	VV	33	668	0.24%	0.139%
162	11.574	11.554	11.598	VV	26	552	0.20%	0.115%
163	11.614	11.598	11.651	VV	36	593	0.22%	0.123%
164	11.665	11.651	11.676	PV	20	123	0.04%	0.026%
165	11.727	11.676	11.746	VV	52	1095	0.40%	0.227%
166	11.755	11.746	11.761	VV	30	230	0.08%	0.048%
167	11.771	11.761	11.782	VV	34	368	0.13%	0.076%
168	11.788	11.782	11.829	VV	32	675	0.25%	0.140%
169	11.842	11.829	11.855	VV	31	357	0.13%	0.074%
170	11.862	11.855	11.878	VV	39	439	0.16%	0.091%
171	11.889	11.878	11.906	VV	37	440	0.16%	0.091%
172	11.954	11.906	11.974	VV	29	904	0.33%	0.188%
173	11.985	11.974	11.995	VV	24	230	0.08%	0.048%
174	12.008	11.995	12.016	VV	18	189	0.07%	0.039%
175	12.031	12.016	12.075	VV	21	545	0.20%	0.113%
176	12.089	12.075	12.112	VV	24	364	0.13%	0.076%
177	12.122	12.112	12.148	VV	20	276	0.10%	0.057%
178	12.182	12.148	12.234	VV	23	710	0.26%	0.148%
179	12.250	12.234	12.259	PV	16	140	0.05%	0.029%
180	12.279	12.259	12.290	VV	28	294	0.11%	0.061%
181	12.330	12.290	12.345	VV	30	489	0.18%	0.102%
182	12.407	12.345	12.417	VV	20	533	0.19%	0.111%
183	12.465	12.417	12.502	VV	36	1054	0.38%	0.219%
184	12.514	12.502	12.527	VV	37	345	0.13%	0.072%
185	12.537	12.527	12.579	VV	29	701	0.25%	0.146%
186	12.586	12.579	12.592	VV	23	166	0.06%	0.035%
187	12.624	12.592	12.642	VV	35	763	0.28%	0.159%
188	12.673	12.642	12.698	VV	36	1058	0.38%	0.220%
189	12.709	12.698	12.717	VV	44	393	0.14%	0.082%
190	12.724	12.717	12.738	VV	41	421	0.15%	0.087%
191	12.751	12.738	12.768	VV	47	711	0.26%	0.148%
192	12.777	12.768	12.812	VV	44	882	0.32%	0.183%
193	12.856	12.812	12.876	VV	56	1497	0.54%	0.311%
194	12.885	12.876	12.901	VV	48	693	0.25%	0.144%

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195	12.917	12.901	12.929	VV	51	773	0.28%	0.161%
196	12.937	12.929	12.989	VV	43	1021	0.37%	0.212%
197	13.032	12.989	13.054	VV	38	1008	0.37%	0.210%
198	13.063	13.054	13.068	VV	36	256	0.09%	0.053%
199	13.076	13.068	13.104	VV	36	684	0.25%	0.142%
200	13.114	13.104	13.125	VV	31	350	0.13%	0.073%
201	13.154	13.125	13.162	VV	69	964	0.35%	0.200%
202	13.190	13.162	13.205	VV	65	1349	0.49%	0.280%
203	13.219	13.205	13.262	VV	53	1262	0.46%	0.262%
204	13.272	13.262	13.283	VV	32	348	0.13%	0.072%
205	13.300	13.283	13.313	VV	30	450	0.16%	0.093%
206	13.326	13.313	13.343	VV	26	420	0.15%	0.087%
207	13.360	13.343	13.372	VV	46	578	0.21%	0.120%
208	13.380	13.372	13.417	VV	35	712	0.26%	0.148%
209	13.431	13.417	13.464	VV	26	422	0.15%	0.088%
210	13.474	13.464	13.493	VV	28	256	0.09%	0.053%
211	13.533	13.493	13.541	VV	24	493	0.18%	0.103%
212	13.549	13.541	13.567	VV	25	303	0.11%	0.063%
213	13.603	13.567	13.617	VV	34	612	0.22%	0.127%
214	13.625	13.617	13.650	VV	24	232	0.08%	0.048%
215	13.671	13.650	13.695	VV	24	412	0.15%	0.086%
216	13.710	13.695	13.725	VV	29	359	0.13%	0.075%
217	13.757	13.725	13.768	VV	28	548	0.20%	0.114%
218	13.811	13.768	13.820	VV	32	797	0.29%	0.166%
219	13.837	13.820	13.846	VV	35	458	0.17%	0.095%
220	13.857	13.846	13.869	VV	62	526	0.19%	0.109%
221	13.895	13.869	13.904	VV	39	625	0.23%	0.130%
222	13.927	13.904	13.968	VV	50	1365	0.50%	0.284%
223	13.986	13.968	14.012	VV	37	726	0.26%	0.151%
224	14.057	14.012	14.067	VV	74	1463	0.53%	0.304%
225	14.101	14.067	14.120	VV	93	2521	0.92%	0.524%
226	14.128	14.120	14.159	VV	91	1828	0.66%	0.380%
227	14.168	14.159	14.228	VV	69	2200	0.80%	0.457%
228	14.240	14.228	14.253	VV	36	466	0.17%	0.097%
229	14.262	14.253	14.301	VV	31	386	0.14%	0.080%
230	14.359	14.301	14.385	PV	30	757	0.28%	0.157%
231	14.491	14.385	14.499	VV	38	1618	0.59%	0.336%
232	14.507	14.499	14.546	VV	29	603	0.22%	0.125%
233	14.591	14.546	14.600	VV	34	532	0.19%	0.111%
234	14.618	14.600	14.629	VV	28	406	0.15%	0.084%
235	14.655	14.629	14.669	VV	34	592	0.22%	0.123%
236	14.689	14.669	14.713	VV	26	487	0.18%	0.101%
237	14.726	14.713	14.737	VV	29	305	0.11%	0.063%
238	14.747	14.737	14.760	VV	21	230	0.08%	0.048%
239	14.789	14.760	14.800	VV	33	454	0.16%	0.094%
240	14.807	14.800	14.826	VV	27	320	0.12%	0.066%
241	14.837	14.826	14.847	VV	35	320	0.12%	0.067%
242	14.858	14.847	14.888	VV	32	589	0.21%	0.122%
243	14.898	14.888	14.904	VV	26	202	0.07%	0.042%
244	14.916	14.904	14.939	VV	44	549	0.20%	0.114%
245	14.989	14.939	14.997	VV	33	885	0.32%	0.184%
246	15.028	14.997	15.035	VV	52	911	0.33%	0.189%

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247	15.050	15.035	15.058	VV	66	757	0.28%	0.157%
248	15.065	15.058	15.097	VV	67	1277	0.46%	0.265%
249	15.110	15.097	15.149	VV	48	1243	0.45%	0.258%
250	15.159	15.149	15.164	VV	45	323	0.12%	0.067%
251	15.170	15.164	15.204	VV	44	837	0.30%	0.174%
252	15.219	15.204	15.235	VV	60	759	0.28%	0.158%
253	15.256	15.235	15.279	VV	40	920	0.33%	0.191%
254	15.289	15.279	15.305	VV	36	527	0.19%	0.110%
255	15.315	15.305	15.332	VV	42	460	0.17%	0.095%
256	15.353	15.332	15.371	PV	42	732	0.27%	0.152%
257	15.381	15.371	15.389	VV	46	403	0.15%	0.084%
258	15.423	15.389	15.456	VV	58	1793	0.65%	0.373%
259	15.509	15.456	15.540	VV	58	2221	0.81%	0.462%
260	15.556	15.540	15.576	VV	46	725	0.26%	0.151%
261	15.592	15.576	15.604	VV	41	514	0.19%	0.107%
262	15.630	15.604	15.643	VV	41	717	0.26%	0.149%
263	15.654	15.643	15.668	VV	29	387	0.14%	0.080%
264	15.676	15.668	15.688	VV	28	289	0.11%	0.060%
265	15.717	15.688	15.726	VV	34	578	0.21%	0.120%
266	15.756	15.726	15.793	VV	44	1337	0.49%	0.278%
267	15.799	15.793	15.816	VV	37	463	0.17%	0.096%
268	15.875	15.816	15.899	VV	44	1826	0.66%	0.379%
269	15.907	15.899	15.924	VV	62	813	0.30%	0.169%
270	15.935	15.924	15.948	VV	62	764	0.28%	0.159%
271	15.960	15.948	16.009	VV	69	1710	0.62%	0.355%
272	16.017	16.009	16.045	VV	37	567	0.21%	0.118%
273	16.053	16.045	16.093	VV	28	489	0.18%	0.102%
274	16.190	16.093	16.200	VV	84	2551	0.93%	0.530%
275	16.209	16.200	16.225	VV	78	1003	0.36%	0.208%
276	16.233	16.225	16.263	VV	52	937	0.34%	0.195%
277	16.271	16.263	16.279	VV	29	243	0.09%	0.050%
278	16.290	16.279	16.299	VV	31	327	0.12%	0.068%
279	16.308	16.299	16.341	VV	38	614	0.22%	0.128%
280	16.360	16.341	16.389	VV	33	678	0.25%	0.141%
281	16.428	16.389	16.447	VV	40	1139	0.41%	0.237%
282	16.467	16.447	16.479	VV	56	791	0.29%	0.164%
283	16.489	16.479	16.545	VV	42	1180	0.43%	0.245%
284	16.560	16.545	16.573	VV	39	440	0.16%	0.091%
285	16.595	16.573	16.603	VV	31	437	0.16%	0.091%
286	16.611	16.603	16.620	VV	38	271	0.10%	0.056%
287	16.647	16.620	16.657	VV	33	511	0.19%	0.106%
288	16.683	16.657	16.692	VV	31	478	0.17%	0.099%
289	16.700	16.692	16.713	VV	24	235	0.09%	0.049%
290	16.723	16.713	16.751	VV	23	329	0.12%	0.068%
291	16.758	16.751	16.765	PV	11	61	0.02%	0.013%
292	16.790	16.765	16.798	VV	17	237	0.09%	0.049%
293	16.837	16.798	16.856	VV	32	564	0.21%	0.117%
294	16.882	16.856	16.895	VV	33	378	0.14%	0.079%
295	16.906	16.895	16.920	VV	21	240	0.09%	0.050%
296	16.927	16.920	16.942	VV	20	150	0.05%	0.031%
297	16.950	16.942	16.973	PV	19	171	0.06%	0.036%
Sum of corrected areas:						481243		

rteres

FB053025.M Wed Jun 04 02:23:35 2025

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-27	SDG No.:	Q2176
Lab Sample ID:	Q2176-06	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	83.1
Sample Wt/Vol:	5.4	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
FB031872.D	1	06/03/25 18:10	FB060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	13.0	J	9.00	50.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	22.6		50 - 150	113%	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 : FB031872.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 18:10
Operator : YP/AJ
Sample : Q2176-06
Misc : 5.40G/5.00 ML DI WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-27

Integration File: Calibration.e
Quant Time: Jun 04 01:22:22 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	275794	22.601 ng/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

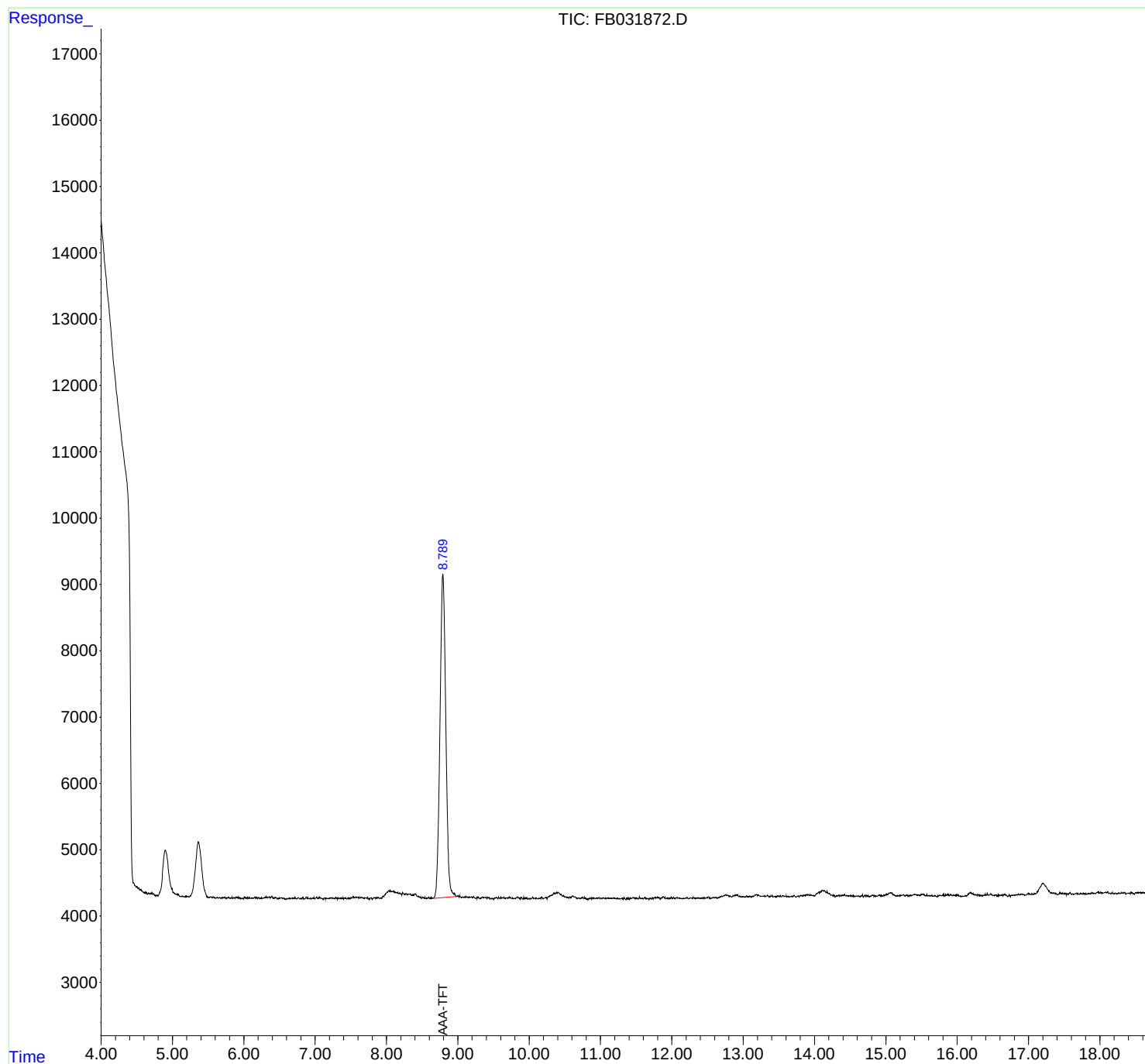
(m)=manual int.

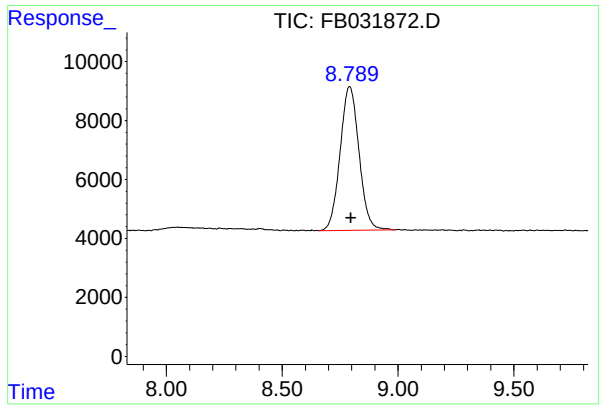
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060325\
Data File : FB031872.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 18:10
Operator : YP/AJ
Sample : Q2176-06
Misc : 5.40G/5.00 ML DI WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-27

Integration File: Calibration.e
Quant Time: Jun 04 01:22:22 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: 275794
Conc: 22.60 ng/ml

Instrument :
FID_B
ClientSampleId :
TP-27

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060325\
 Data File : FB031872.D
 Signal(s) : FID2B.CH
 Acq On : 3 Jun 2025 18:10
 Sample : Q2176-06
 Misc : 5.40G/5.00 ML DI WATER
 ALS Vial : 15 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	4.627	4.604	4.657	BV	23	292	0.10%	0.061%
2	4.667	4.657	4.687	VV	24	242	0.09%	0.051%
3	4.697	4.687	4.707	VV	24	212	0.07%	0.044%
4	4.716	4.707	4.726	VV	39	253	0.09%	0.053%
5	4.737	4.726	4.758	VV	27	295	0.10%	0.062%
6	5.141	5.105	5.160	VV	14	284	0.10%	0.060%
7	5.200	5.160	5.233	VV	19	392	0.14%	0.082%
8	5.547	5.517	5.559	VV	19	310	0.11%	0.065%
9	5.568	5.559	5.612	VV	20	344	0.12%	0.072%
10	5.628	5.612	5.639	PV	18	160	0.06%	0.034%
11	5.658	5.639	5.675	VV	14	180	0.06%	0.038%
12	5.702	5.675	5.725	VV	18	303	0.11%	0.063%
13	5.735	5.725	5.745	VV	22	178	0.06%	0.037%
14	5.787	5.745	5.820	VV	24	450	0.16%	0.094%
15	5.834	5.820	5.848	VV	21	166	0.06%	0.035%
16	5.863	5.848	5.879	VV	11	191	0.07%	0.040%
17	5.888	5.879	5.898	VV	28	223	0.08%	0.047%
18	5.907	5.898	5.931	VV	27	301	0.11%	0.063%
19	5.940	5.931	5.971	VV	24	207	0.07%	0.043%
20	5.977	5.971	5.995	VV	9	80	0.03%	0.017%
21	6.009	5.995	6.031	PV	23	293	0.10%	0.062%
22	6.041	6.031	6.048	VV	21	159	0.06%	0.033%
23	6.056	6.048	6.066	VV	31	164	0.06%	0.034%
24	6.078	6.066	6.093	VV	23	194	0.07%	0.041%
25	6.109	6.093	6.137	VV	17	290	0.10%	0.061%
26	6.154	6.137	6.170	VV	30	357	0.13%	0.075%
27	6.181	6.170	6.192	VV	32	257	0.09%	0.054%
28	6.209	6.192	6.226	VV	25	335	0.12%	0.070%
29	6.243	6.226	6.253	VV	20	183	0.06%	0.038%
30	6.267	6.253	6.276	VV	18	153	0.05%	0.032%
31	6.310	6.276	6.328	VV	38	718	0.25%	0.150%
32	6.341	6.328	6.352	VV	34	430	0.15%	0.090%
33	6.365	6.352	6.374	VV	39	407	0.14%	0.085%
34	6.394	6.374	6.416	VV	45	647	0.23%	0.136%
35	6.443	6.416	6.485	VV	29	751	0.27%	0.157%
36	6.495	6.485	6.504	VV	25	171	0.06%	0.036%

					rteres			
37	6.521	6.504	6.548	VV	25	508	0.18%	0.106%
38	6.565	6.548	6.596	VV	21	300	0.11%	0.063%
39	6.633	6.596	6.641	PV	21	300	0.11%	0.063%
40	6.676	6.641	6.708	VV	21	642	0.23%	0.135%
41	6.717	6.708	6.742	VV	36	347	0.12%	0.073%
42	6.763	6.742	6.817	VV	25	710	0.25%	0.149%
43	6.831	6.817	6.843	VV	37	342	0.12%	0.072%
44	6.877	6.843	6.889	VV	37	513	0.18%	0.108%
45	6.899	6.889	6.909	VV	32	241	0.09%	0.050%
46	6.916	6.909	6.925	VV	16	130	0.05%	0.027%
47	6.938	6.925	6.947	VV	20	175	0.06%	0.037%
48	6.966	6.947	6.974	VV	23	252	0.09%	0.053%
49	6.982	6.974	6.997	VV	29	238	0.08%	0.050%
50	7.024	6.997	7.044	VV	34	577	0.20%	0.121%
51	7.057	7.044	7.115	VV	26	745	0.26%	0.156%
52	7.129	7.115	7.143	VV	23	276	0.10%	0.058%
53	7.153	7.143	7.179	VV	23	366	0.13%	0.077%
54	7.228	7.179	7.239	VV	28	687	0.24%	0.144%
55	7.251	7.239	7.265	VV	28	278	0.10%	0.058%
56	7.290	7.265	7.315	VV	33	580	0.21%	0.122%
57	7.323	7.315	7.338	VV	21	230	0.08%	0.048%
58	7.346	7.338	7.360	VV	23	219	0.08%	0.046%
59	7.368	7.360	7.382	VV	25	216	0.08%	0.045%
60	7.394	7.382	7.402	VV	26	201	0.07%	0.042%
61	7.431	7.402	7.442	VV	28	413	0.15%	0.086%
62	7.460	7.442	7.468	VV	27	230	0.08%	0.048%
63	7.476	7.468	7.488	VV	19	192	0.07%	0.040%
64	7.531	7.488	7.547	VV	45	958	0.34%	0.201%
65	7.567	7.547	7.585	VV	39	711	0.25%	0.149%
66	7.598	7.585	7.607	VV	34	417	0.15%	0.087%
67	7.615	7.607	7.632	VV	38	395	0.14%	0.083%
68	7.646	7.632	7.691	VV	34	879	0.31%	0.184%
69	7.698	7.691	7.715	VV	26	328	0.12%	0.069%
70	7.738	7.715	7.755	VV	30	484	0.17%	0.101%
71	7.763	7.755	7.769	PV	21	118	0.04%	0.025%
72	7.785	7.769	7.805	VV	24	355	0.13%	0.074%
73	7.828	7.805	7.836	VV	32	380	0.13%	0.080%
74	7.842	7.836	7.849	VV	27	182	0.06%	0.038%
75	7.883	7.849	7.908	VV	37	871	0.31%	0.182%
76	7.928	7.908	7.935	VV	27	302	0.11%	0.063%
77	7.951	7.935	7.962	VV	48	640	0.23%	0.134%
78	8.029	7.962	8.038	VV	130	4247	1.50%	0.890%
79	8.050	8.038	8.058	VV	140	1604	0.57%	0.336%
80	8.069	8.058	8.086	VV	129	2023	0.72%	0.424%
81	8.091	8.086	8.121	VV	125	2403	0.85%	0.504%
82	8.130	8.121	8.178	VV	109	3432	1.22%	0.719%
83	8.184	8.178	8.218	VV	98	2116	0.75%	0.443%
84	8.229	8.218	8.264	VV	99	2329	0.83%	0.488%
85	8.273	8.264	8.287	VV	92	1170	0.41%	0.245%
86	8.308	8.287	8.317	VV	85	1421	0.50%	0.298%
87	8.327	8.317	8.364	VV	86	2083	0.74%	0.436%
88	8.375	8.364	8.385	VV	72	821	0.29%	0.172%
89	8.405	8.385	8.476	VV	88	3091	1.10%	0.648%

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90	8.481	8.476	8.493	VV	42	301	0.11%	0.063%
91	8.507	8.493	8.515	VV	40	366	0.13%	0.077%
92	8.520	8.515	8.529	VV	31	190	0.07%	0.040%
93	8.538	8.529	8.551	VV	29	257	0.09%	0.054%
94	8.562	8.551	8.570	VV	28	205	0.07%	0.043%
95	8.594	8.570	8.604	VV	34	478	0.17%	0.100%
96	8.630	8.604	8.640	VV	39	473	0.17%	0.099%
97	8.648	8.640	8.658	VV	26	233	0.08%	0.049%
98	8.791	8.658	8.991	VV	4909	282191	100.00%	59.137%
99	9.001	8.991	9.016	VV	57	762	0.27%	0.160%
100	9.029	9.016	9.059	VV	58	1033	0.37%	0.217%
101	9.076	9.059	9.085	VV	42	560	0.20%	0.117%
102	9.120	9.085	9.149	VV	42	1346	0.48%	0.282%
103	9.162	9.149	9.171	VV	43	456	0.16%	0.096%
104	9.194	9.171	9.253	VV	44	1597	0.57%	0.335%
105	9.284	9.253	9.308	VV	42	845	0.30%	0.177%
106	9.317	9.308	9.324	VV	24	155	0.06%	0.033%
107	9.347	9.324	9.358	VV	37	595	0.21%	0.125%
108	9.368	9.358	9.384	VV	34	430	0.15%	0.090%
109	9.396	9.384	9.409	VV	40	421	0.15%	0.088%
110	9.420	9.409	9.455	VV	34	705	0.25%	0.148%
111	9.469	9.455	9.500	VV	18	386	0.14%	0.081%
112	9.540	9.500	9.561	VV	32	810	0.29%	0.170%
113	9.571	9.561	9.591	VV	36	422	0.15%	0.088%
114	9.602	9.591	9.619	VV	38	429	0.15%	0.090%
115	9.628	9.619	9.636	VV	29	260	0.09%	0.054%
116	9.645	9.636	9.666	VV	34	399	0.14%	0.084%
117	9.677	9.666	9.706	VV	26	523	0.19%	0.110%
118	9.723	9.706	9.757	VV	44	764	0.27%	0.160%
119	9.767	9.757	9.794	VV	29	395	0.14%	0.083%
120	9.830	9.794	9.842	VV	39	686	0.24%	0.144%
121	9.851	9.842	9.878	VV	27	469	0.17%	0.098%
122	9.891	9.878	9.923	VV	37	488	0.17%	0.102%
123	9.929	9.923	9.956	VV	28	353	0.12%	0.074%
124	9.967	9.956	9.989	VV	31	286	0.10%	0.060%
125	10.000	9.989	10.032	VV	18	343	0.12%	0.072%
126	10.050	10.032	10.082	VV	30	597	0.21%	0.125%
127	10.091	10.082	10.095	VV	19	118	0.04%	0.025%
128	10.103	10.095	10.128	VV	25	343	0.12%	0.072%
129	10.176	10.128	10.198	VV	34	856	0.30%	0.179%
130	10.238	10.198	10.249	VV	36	731	0.26%	0.153%
131	10.348	10.249	10.359	VV	103	3869	1.37%	0.811%
132	10.369	10.359	10.375	VV	97	849	0.30%	0.178%
133	10.385	10.375	10.396	VV	109	1282	0.45%	0.269%
134	10.404	10.396	10.474	VV	110	3808	1.35%	0.798%
135	10.482	10.474	10.501	VV	58	784	0.28%	0.164%
136	10.516	10.501	10.533	VV	41	708	0.25%	0.148%
137	10.542	10.533	10.557	VV	39	449	0.16%	0.094%
138	10.570	10.557	10.588	VV	41	577	0.20%	0.121%
139	10.614	10.588	10.680	VV	56	1987	0.70%	0.416%
140	10.689	10.680	10.713	VV	24	404	0.14%	0.085%
141	10.749	10.713	10.770	VV	33	729	0.26%	0.153%

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142	10.779	10.770	10.826	VV	34	506	0.18%	0.106%
143	10.836	10.826	10.859	VV	16	257	0.09%	0.054%
144	10.890	10.859	10.900	VV	30	471	0.17%	0.099%
145	10.909	10.900	10.935	VV	29	429	0.15%	0.090%
146	10.980	10.935	10.994	VV	32	740	0.26%	0.155%
147	11.006	10.994	11.022	VV	25	298	0.11%	0.062%
148	11.043	11.022	11.057	VV	28	424	0.15%	0.089%
149	11.067	11.057	11.085	VV	24	313	0.11%	0.066%
150	11.095	11.085	11.109	VV	24	285	0.10%	0.060%
151	11.119	11.109	11.134	VV	23	292	0.10%	0.061%
152	11.143	11.134	11.150	VV	19	168	0.06%	0.035%
153	11.185	11.150	11.194	VV	28	496	0.18%	0.104%
154	11.204	11.194	11.218	VV	24	244	0.09%	0.051%
155	11.240	11.218	11.289	VV	23	556	0.20%	0.116%
156	11.302	11.289	11.323	VV	22	279	0.10%	0.058%
157	11.331	11.323	11.356	VV	36	322	0.11%	0.067%
158	11.383	11.356	11.441	PV	27	704	0.25%	0.147%
159	11.458	11.441	11.529	VV	32	995	0.35%	0.208%
160	11.545	11.529	11.571	VV	39	463	0.16%	0.097%
161	11.627	11.571	11.653	VV	33	838	0.30%	0.176%
162	11.663	11.653	11.682	VV	14	165	0.06%	0.034%
163	11.703	11.682	11.716	VV	21	250	0.09%	0.052%
164	11.733	11.716	11.742	VV	30	246	0.09%	0.052%
165	11.760	11.742	11.771	VV	27	361	0.13%	0.076%
166	11.778	11.771	11.787	VV	32	240	0.09%	0.050%
167	11.797	11.787	11.807	VV	32	321	0.11%	0.067%
168	11.813	11.807	11.838	VV	32	395	0.14%	0.083%
169	11.881	11.838	11.899	VV	40	888	0.31%	0.186%
170	11.908	11.899	11.919	VV	30	197	0.07%	0.041%
171	11.932	11.919	11.944	VV	20	209	0.07%	0.044%
172	11.950	11.944	11.961	VV	25	150	0.05%	0.031%
173	11.973	11.961	11.980	VV	18	129	0.05%	0.027%
174	11.998	11.980	12.006	VV	25	263	0.09%	0.055%
175	12.023	12.006	12.034	VV	31	280	0.10%	0.059%
176	12.042	12.034	12.049	VV	17	124	0.04%	0.026%
177	12.075	12.049	12.086	VV	28	406	0.14%	0.085%
178	12.101	12.086	12.159	VV	23	492	0.17%	0.103%
179	12.167	12.159	12.181	VV	13	124	0.04%	0.026%
180	12.214	12.181	12.233	VV	26	432	0.15%	0.091%
181	12.269	12.233	12.284	VV	19	361	0.13%	0.076%
182	12.299	12.284	12.311	VV	26	284	0.10%	0.059%
183	12.316	12.311	12.345	VV	20	230	0.08%	0.048%
184	12.356	12.345	12.399	VV	22	422	0.15%	0.088%
185	12.411	12.399	12.425	VV	12	163	0.06%	0.034%
186	12.463	12.425	12.481	VV	23	511	0.18%	0.107%
187	12.512	12.481	12.532	VV	30	608	0.22%	0.127%
188	12.545	12.532	12.552	VV	15	118	0.04%	0.025%
189	12.580	12.552	12.593	VV	23	404	0.14%	0.085%
190	12.615	12.593	12.642	VV	25	533	0.19%	0.112%
191	12.659	12.642	12.667	VV	26	257	0.09%	0.054%
192	12.678	12.667	12.708	VV	34	778	0.28%	0.163%
193	12.730	12.708	12.738	VV	52	774	0.27%	0.162%
194	12.761	12.738	12.778	VV	61	1320	0.47%	0.277%

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195	12.788	12.778	12.804	VV	55	737	0.26%	0.154%
196	12.817	12.804	12.842	VV	46	804	0.28%	0.169%
197	12.903	12.842	12.915	VV	59	2045	0.72%	0.429%
198	12.921	12.915	12.972	VV	63	1326	0.47%	0.278%
199	12.981	12.972	12.989	VV	33	279	0.10%	0.058%
200	13.004	12.989	13.019	VV	34	505	0.18%	0.106%
201	13.027	13.019	13.035	VV	30	246	0.09%	0.052%
202	13.049	13.035	13.064	VV	45	566	0.20%	0.119%
203	13.097	13.064	13.119	VV	38	969	0.34%	0.203%
204	13.132	13.119	13.141	VV	34	390	0.14%	0.082%
205	13.169	13.141	13.177	VV	58	960	0.34%	0.201%
206	13.189	13.177	13.257	VV	62	2218	0.79%	0.465%
207	13.338	13.257	13.370	VV	50	2384	0.84%	0.500%
208	13.404	13.370	13.420	VV	48	964	0.34%	0.202%
209	13.434	13.420	13.463	VV	31	687	0.24%	0.144%
210	13.487	13.463	13.505	VV	42	784	0.28%	0.164%
211	13.522	13.505	13.536	VV	43	551	0.20%	0.115%
212	13.561	13.536	13.575	VV	42	763	0.27%	0.160%
213	13.586	13.575	13.597	VV	35	405	0.14%	0.085%
214	13.607	13.597	13.680	VV	35	1315	0.47%	0.276%
215	13.716	13.680	13.738	VV	45	1034	0.37%	0.217%
216	13.768	13.738	13.786	VV	35	772	0.27%	0.162%
217	13.815	13.786	13.831	VV	44	988	0.35%	0.207%
218	13.844	13.831	13.872	VV	47	1005	0.36%	0.211%
219	13.887	13.872	13.895	VV	53	630	0.22%	0.132%
220	13.911	13.895	13.924	VV	57	879	0.31%	0.184%
221	13.939	13.924	13.975	VV	50	1339	0.47%	0.281%
222	14.109	13.975	14.131	VV	119	6999	2.48%	1.467%
223	14.139	14.131	14.163	VV	112	1884	0.67%	0.395%
224	14.174	14.163	14.232	VV	102	2902	1.03%	0.608%
225	14.243	14.232	14.268	VV	45	833	0.30%	0.175%
226	14.273	14.268	14.302	VV	43	621	0.22%	0.130%
227	14.341	14.302	14.369	VV	46	1334	0.47%	0.280%
228	14.398	14.369	14.409	VV	42	873	0.31%	0.183%
229	14.421	14.409	14.478	VV	55	1434	0.51%	0.300%
230	14.487	14.478	14.504	VV	35	469	0.17%	0.098%
231	14.512	14.504	14.532	VV	39	527	0.19%	0.110%
232	14.543	14.532	14.564	VV	45	535	0.19%	0.112%
233	14.583	14.564	14.595	VV	29	437	0.15%	0.092%
234	14.605	14.595	14.643	VV	27	669	0.24%	0.140%
235	14.671	14.643	14.687	VV	40	674	0.24%	0.141%
236	14.711	14.687	14.722	VV	36	546	0.19%	0.114%
237	14.733	14.722	14.743	VV	39	347	0.12%	0.073%
238	14.754	14.743	14.769	VV	41	353	0.13%	0.074%
239	14.789	14.769	14.795	VV	26	336	0.12%	0.070%
240	14.810	14.795	14.820	VV	42	500	0.18%	0.105%
241	14.826	14.820	14.861	VV	38	672	0.24%	0.141%
242	14.869	14.861	14.879	VV	26	244	0.09%	0.051%
243	14.911	14.879	14.924	VV	44	882	0.31%	0.185%
244	14.933	14.924	14.958	VV	30	541	0.19%	0.113%
245	15.008	14.958	15.018	VV	50	1292	0.46%	0.271%
246	15.065	15.018	15.080	VV	73	2317	0.82%	0.486%

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247	15.088	15.080	15.134	VV	72	1456	0.52%	0.305%	
248	15.193	15.134	15.223	VV	37	1391	0.49%	0.291%	
249	15.237	15.223	15.275	VV	37	990	0.35%	0.208%	
250	15.297	15.275	15.306	VV	41	579	0.21%	0.121%	
251	15.312	15.306	15.318	VV	31	195	0.07%	0.041%	
252	15.399	15.318	15.474	VV	45	3170	1.12%	0.664%	
253	15.482	15.474	15.486	VV	35	227	0.08%	0.047%	
254	15.502	15.486	15.511	VV	45	599	0.21%	0.125%	
255	15.521	15.511	15.564	VV	49	1081	0.38%	0.227%	
256	15.575	15.564	15.590	VV	42	425	0.15%	0.089%	
257	15.597	15.590	15.620	VV	28	391	0.14%	0.082%	
258	15.637	15.620	15.670	VV	30	605	0.21%	0.127%	
259	15.695	15.670	15.718	VV	26	461	0.16%	0.097%	
260	15.730	15.718	15.740	PV	26	221	0.08%	0.046%	
261	15.757	15.740	15.779	VV	28	541	0.19%	0.113%	
262	15.814	15.779	15.824	VV	48	754	0.27%	0.158%	
263	15.864	15.824	15.891	VV	46	1228	0.44%	0.257%	
264	15.914	15.891	15.931	VV	44	754	0.27%	0.158%	
265	15.948	15.931	15.958	VV	35	394	0.14%	0.083%	
266	15.968	15.958	15.977	VV	25	273	0.10%	0.057%	
267	15.986	15.977	15.993	VV	24	219	0.08%	0.046%	
268	16.003	15.993	16.028	VV	36	505	0.18%	0.106%	
269	16.041	16.028	16.055	VV	20	195	0.07%	0.041%	
270	16.060	16.055	16.068	VV	12	69	0.02%	0.015%	
271	16.121	16.068	16.130	VV	20	464	0.16%	0.097%	
272	16.189	16.130	16.213	VV	70	2187	0.77%	0.458%	
273	16.221	16.213	16.280	VV	51	1354	0.48%	0.284%	
274	16.290	16.280	16.308	VV	38	459	0.16%	0.096%	
275	16.316	16.308	16.325	VV	32	203	0.07%	0.043%	
276	16.336	16.325	16.349	VV	23	251	0.09%	0.053%	
277	16.392	16.349	16.410	VV	38	822	0.29%	0.172%	
278	16.423	16.410	16.445	VV	51	647	0.23%	0.136%	
279	16.469	16.445	16.504	VV	42	1078	0.38%	0.226%	
280	16.514	16.504	16.521	VV	23	214	0.08%	0.045%	
281	16.548	16.521	16.566	VV	30	550	0.19%	0.115%	
282	16.582	16.566	16.611	VV	26	519	0.18%	0.109%	
283	16.630	16.611	16.645	VV	33	424	0.15%	0.089%	
284	16.669	16.645	16.703	VV	38	800	0.28%	0.168%	
285	16.732	16.703	16.747	VV	30	314	0.11%	0.066%	
286	16.767	16.747	16.775	PV	20	233	0.08%	0.049%	
287	16.786	16.775	16.797	VV	22	219	0.08%	0.046%	
288	16.831	16.797	16.842	VV	23	422	0.15%	0.088%	
289	16.857	16.842	16.866	VV	25	256	0.09%	0.054%	
290	16.902	16.866	16.942	VV	27	779	0.28%	0.163%	
291	16.955	16.942	16.966	PV	6	47	0.02%	0.010%	
Sum of corrected areas:						477178			

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-31	SDG No.:	Q2176
Lab Sample ID:	Q2176-07	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	86.8
Sample Wt/Vol:	6.77	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
FB031873.D	1	06/03/25 18:38	FB060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	9.00	J	7.00	38.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	11.3		50 - 150	56%	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 : FB031873.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 18:38
Operator : YP/AJ
Sample : Q2176-07
Misc : 6.77G/5.00 ML DI WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-31

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/04/2025
Supervised By :mohammad ahmed 06/05/2025

Integration File: Calibration.e
Quant Time: Jun 04 01:22:30 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	137745	11.288 ng/mlm

Target Compounds

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060325\
Data File : FB031873.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 18:38
Operator : YP/AJ
Sample : Q2176-07
Misc : 6.77G/5.00 ML DI WATER
ALS Vial : 18 Sample Multiplier: 1

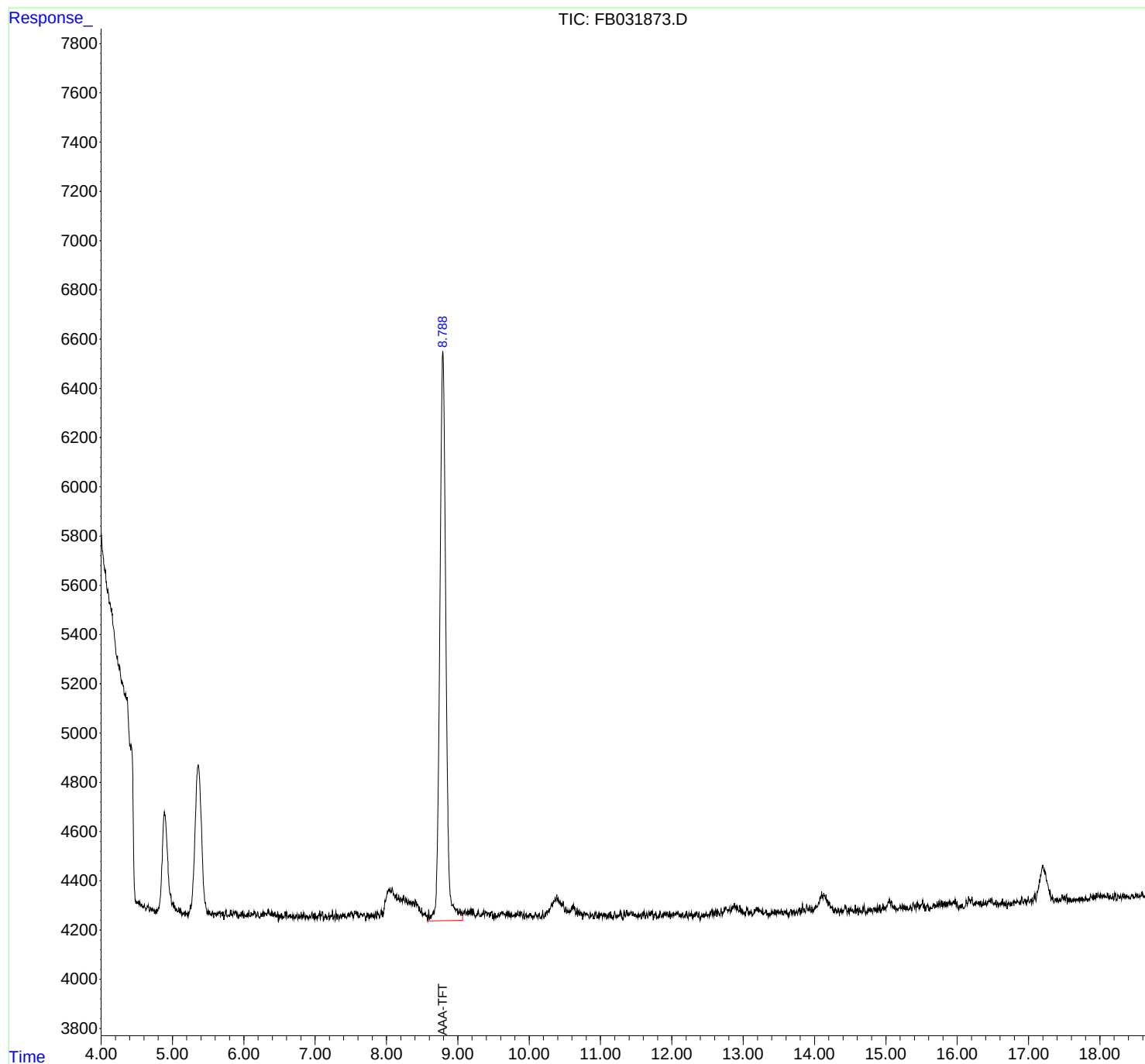
Instrument :
FID_B
ClientSampleId :
TP-31

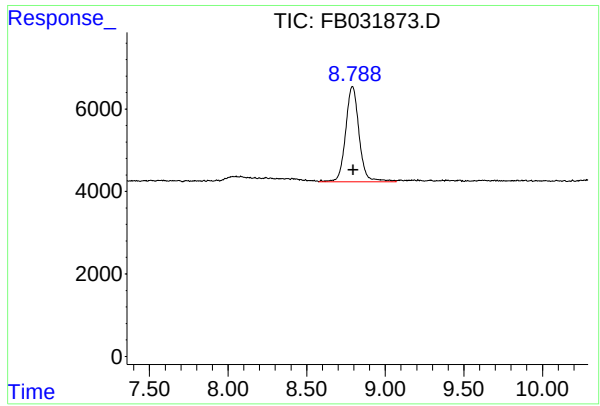
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Integration File: Calibration.e
Quant Time: Jun 04 01:22:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB053025.M
Quant Title :
QLast Update : Fri May 30 15:30:47 2025
Response via : Initial Calibration
Integrator: ChemStation

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: 137745
Conc: 11.29 ng/ml

Instrument :

FID_B

ClientSampleId :

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Instrument :

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ClientSampleId :

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Area Percent Report

Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 06/05/2025

rteres

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB06032
Data File : FB031873.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 18:38
Sample : Q2176-07
Misc : 6.77G/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	4.662	4.604	4.680	BV	18	68	0.05%	0.021%
2	4.694	4.680	4.708	PV	16	149	0.11%	0.047%
3	4.724	4.708	4.749	VV	17	248	0.19%	0.078%
4	4.754	4.749	4.763	VV	11	59	0.04%	0.019%
5	4.774	4.763	4.783	PV	15	106	0.08%	0.033%
6	5.004	4.991	5.013	VV	48	557	0.42%	0.175%
7	5.021	5.013	5.045	VV	49	661	0.50%	0.208%
8	5.053	5.045	5.072	VV	24	303	0.23%	0.095%
9	5.089	5.072	5.099	VV	30	299	0.22%	0.094%
10	5.108	5.099	5.136	VV	26	317	0.24%	0.100%
11	5.184	5.136	5.192	PV	20	325	0.24%	0.102%
12	5.199	5.192	5.222	VV	11	119	0.09%	0.037%
13	5.561	5.551	5.578	VV	26	274	0.21%	0.086%
14	5.588	5.578	5.623	VV	22	431	0.32%	0.135%
15	5.664	5.623	5.673	VV	31	579	0.43%	0.182%
16	5.685	5.673	5.698	VV	22	277	0.21%	0.087%
17	5.713	5.698	5.723	VV	27	250	0.19%	0.078%
18	5.752	5.723	5.770	PV	36	543	0.41%	0.170%
19	5.783	5.770	5.796	VV	18	223	0.17%	0.070%
20	5.820	5.796	5.848	VV	34	628	0.47%	0.197%
21	5.857	5.848	5.869	VV	30	309	0.23%	0.097%
22	5.879	5.869	5.921	VV	33	715	0.54%	0.224%
23	5.987	5.921	6.001	VV	36	881	0.66%	0.277%
24	6.040	6.001	6.052	VV	22	483	0.36%	0.152%
25	6.072	6.052	6.085	VV	35	443	0.33%	0.139%
26	6.146	6.085	6.154	VV	35	951	0.71%	0.299%
27	6.159	6.154	6.188	VV	32	415	0.31%	0.130%
28	6.196	6.188	6.226	VV	34	451	0.34%	0.141%
29	6.240	6.226	6.249	VV	22	246	0.18%	0.077%
30	6.272	6.249	6.286	VV	36	560	0.42%	0.176%
31	6.297	6.286	6.323	VV	30	581	0.44%	0.182%
32	6.344	6.323	6.370	VV	44	888	0.67%	0.279%
33	6.394	6.370	6.410	VV	33	643	0.48%	0.202%
34	6.438	6.410	6.464	VV	36	791	0.59%	0.248%
35	6.474	6.464	6.484	VV	36	262	0.20%	0.082%
36	6.495	6.484	6.513	PV	26	302	0.23%	0.095%

37	6.532	6.513	6.542	VV	28	350	0.26%	0.110%
38	6.583	6.542	6.594	VV	35	586		
39	6.603	6.594	6.619	VV	36	335		
40	6.655	6.619	6.683	VV	27	739		
41	6.690	6.683	6.711	VV	25	276		
42	6.749	6.711	6.759	VV	25	509		
43	6.775	6.759	6.793	VV	26	336	0.25%	0.106%
44	6.803	6.793	6.813	VV	34	253	0.19%	0.079%
45	6.844	6.813	6.861	VV	29	581	0.44%	0.182%
46	6.876	6.861	6.913	VV	22	506	0.38%	0.159%
47	6.922	6.913	6.942	VV	24	282	0.21%	0.089%
48	6.955	6.942	6.968	VV	32	378	0.28%	0.119%
49	6.982	6.968	6.994	VV	24	296	0.22%	0.093%
50	7.003	6.994	7.028	VV	31	340	0.25%	0.107%
51	7.065	7.028	7.075	VV	41	589	0.44%	0.185%
52	7.085	7.075	7.091	VV	24	188	0.14%	0.059%
53	7.103	7.091	7.125	VV	37	435	0.33%	0.137%
54	7.151	7.125	7.171	VV	25	452	0.34%	0.142%
55	7.192	7.171	7.201	VV	31	312	0.23%	0.098%
56	7.221	7.201	7.229	VV	22	301	0.23%	0.095%
57	7.245	7.229	7.255	VV	42	375	0.28%	0.118%
58	7.268	7.255	7.282	VV	22	224	0.17%	0.070%
59	7.291	7.282	7.312	VV	36	376	0.28%	0.118%
60	7.323	7.312	7.347	VV	26	337	0.25%	0.106%
61	7.357	7.347	7.366	VV	27	226	0.17%	0.071%
62	7.386	7.366	7.443	VV	31	935	0.70%	0.293%
63	7.468	7.443	7.490	VV	31	636	0.48%	0.200%
64	7.509	7.490	7.519	VV	38	507	0.38%	0.159%
65	7.523	7.519	7.535	VV	30	229	0.17%	0.072%
66	7.555	7.535	7.563	VV	39	434	0.33%	0.136%
67	7.578	7.563	7.621	VV	37	940	0.70%	0.295%
68	7.634	7.621	7.666	VV	29	640	0.48%	0.201%
69	7.687	7.666	7.710	VV	31	534	0.40%	0.168%
70	7.732	7.710	7.755	VV	31	529	0.40%	0.166%
71	7.761	7.755	7.781	VV	21	274	0.21%	0.086%
72	7.791	7.781	7.835	VV	31	649	0.49%	0.204%
73	7.847	7.835	7.860	VV	35	325	0.24%	0.102%
74	7.872	7.860	7.904	VV	36	626	0.47%	0.196%
75	7.927	7.904	7.948	VV	43	744	0.56%	0.234%
76	8.033	7.948	8.041	VV	128	4743	3.55%	1.489%
77	8.052	8.041	8.070	VV	132	2126	1.59%	0.667%
78	8.081	8.070	8.153	VV	134	5325	3.99%	1.671%
79	8.173	8.153	8.188	VV	105	1903	1.43%	0.597%
80	8.199	8.188	8.225	VV	95	1860	1.39%	0.584%
81	8.241	8.225	8.261	VV	103	1934	1.45%	0.607%
82	8.270	8.261	8.303	VV	94	1979	1.48%	0.621%
83	8.312	8.303	8.359	VV	83	2451	1.84%	0.769%
84	8.372	8.359	8.398	VV	79	1667	1.25%	0.523%
85	8.407	8.398	8.454	VV	86	2265	1.70%	0.711%
86	8.463	8.454	8.484	VV	56	781	0.58%	0.245%
87	8.494	8.484	8.562	VV	51	1328	0.99%	0.417%
88	8.566	8.562	8.578	VV	22	134	0.10%	0.042%
89	8.593	8.578	8.604	VV	42	302	0.23%	0.095%

Instrument :

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					rters			
90	8.612	8.604	8.618	VV	17	109	0.08%	0.034%
91	8.791	8.618	8.918	VV	2313	133499	100	
92	8.929	8.918	9.004	VV	64	2621	3	
93	9.028	9.004	9.045	VV	45	806	0	
94	9.057	9.045	9.074	VV	37	512	0	
95	9.102	9.074	9.116	VV	45	844	0	
96	9.127	9.116	9.163	VV	32	843	0.63%	0.264%
97	9.186	9.163	9.200	VV	47	770	0.58%	0.242%
98	9.208	9.200	9.217	VV	46	347	0.26%	0.109%
99	9.225	9.217	9.249	VV	38	488	0.37%	0.153%
100	9.291	9.249	9.311	VV	39	955	0.72%	0.300%
101	9.364	9.311	9.377	VV	42	972	0.73%	0.305%
102	9.386	9.377	9.412	VV	38	635	0.48%	0.199%
103	9.432	9.412	9.445	VV	32	511	0.38%	0.161%
104	9.472	9.445	9.504	VV	37	848	0.64%	0.266%
105	9.525	9.504	9.537	VV	29	378	0.28%	0.119%
106	9.568	9.537	9.583	VV	29	522	0.39%	0.164%
107	9.619	9.583	9.669	VV	36	1441	1.08%	0.452%
108	9.696	9.669	9.705	VV	38	558	0.42%	0.175%
109	9.713	9.705	9.735	VV	37	425	0.32%	0.133%
110	9.755	9.735	9.765	VV	28	390	0.29%	0.123%
111	9.793	9.765	9.800	VV	24	416	0.31%	0.131%
112	9.823	9.800	9.830	VV	29	409	0.31%	0.128%
113	9.842	9.830	9.862	VV	40	498	0.37%	0.156%
114	9.870	9.862	9.881	VV	35	329	0.25%	0.103%
115	9.895	9.881	9.910	VV	36	475	0.36%	0.149%
116	9.929	9.910	9.939	VV	30	377	0.28%	0.118%
117	9.956	9.939	9.968	VV	25	345	0.26%	0.108%
118	9.975	9.968	9.993	VV	21	275	0.21%	0.086%
119	10.023	9.993	10.051	VV	29	685	0.51%	0.215%
120	10.062	10.051	10.071	VV	17	160	0.12%	0.050%
121	10.089	10.071	10.125	VV	32	690	0.52%	0.217%
122	10.142	10.125	10.157	VV	27	352	0.26%	0.110%
123	10.192	10.157	10.209	VV	38	545	0.41%	0.171%
124	10.246	10.209	10.255	VV	39	708	0.53%	0.222%
125	10.268	10.255	10.276	VV	39	441	0.33%	0.139%
126	10.312	10.276	10.320	VV	68	1339	1.00%	0.420%
127	10.366	10.320	10.376	VV	95	2577	1.93%	0.809%
128	10.388	10.376	10.467	VV	104	4229	3.17%	1.327%
129	10.479	10.467	10.500	VV	77	1112	0.83%	0.349%
130	10.515	10.500	10.549	VV	55	1123	0.84%	0.353%
131	10.620	10.549	10.653	VV	62	2773	2.08%	0.870%
132	10.661	10.653	10.666	VV	36	252	0.19%	0.079%
133	10.674	10.666	10.684	VV	49	370	0.28%	0.116%
134	10.697	10.684	10.713	VV	40	510	0.38%	0.160%
135	10.720	10.713	10.752	VV	33	577	0.43%	0.181%
136	10.777	10.752	10.800	VV	33	723	0.54%	0.227%
137	10.809	10.800	10.845	VV	29	588	0.44%	0.185%
138	10.858	10.845	10.871	VV	30	287	0.22%	0.090%
139	10.888	10.871	10.898	VV	27	333	0.25%	0.104%
140	10.903	10.898	10.910	VV	15	84	0.06%	0.026%
141	10.941	10.910	10.952	VV	34	578	0.43%	0.181%

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142	10.979	10.952	11.028	VV	29	885	0.66%	0.278%
143	11.055	11.028	11.091	VV	28	785		
144	11.122	11.091	11.132	VV	30	506		
145	11.141	11.132	11.170	VV	34	382		
146	11.199	11.170	11.232	VV	38	689		
147	11.285	11.232	11.315	VV	37	968		
148	11.331	11.315	11.352	VV	40	477	0.36%	0.150%
149	11.371	11.352	11.396	VV	38	698	0.52%	0.219%
150	11.430	11.396	11.447	VV	35	805	0.60%	0.253%
151	11.457	11.447	11.468	VV	35	334	0.25%	0.105%
152	11.476	11.468	11.483	VV	25	173	0.13%	0.054%
153	11.492	11.483	11.523	VV	25	449	0.34%	0.141%
154	11.564	11.523	11.575	VV	26	554	0.42%	0.174%
155	11.612	11.575	11.629	VV	35	717	0.54%	0.225%
156	11.652	11.629	11.665	VV	29	424	0.32%	0.133%
157	11.680	11.665	11.696	VV	35	442	0.33%	0.139%
158	11.715	11.696	11.743	VV	36	737	0.55%	0.231%
159	11.776	11.743	11.806	VV	36	669	0.50%	0.210%
160	11.838	11.806	11.855	VV	35	613	0.46%	0.193%
161	11.870	11.855	11.879	VV	27	260	0.19%	0.081%
162	11.901	11.879	11.924	VV	31	665	0.50%	0.209%
163	11.933	11.924	11.960	VV	33	487	0.37%	0.153%
164	11.968	11.960	12.005	VV	35	522	0.39%	0.164%
165	12.021	12.005	12.030	VV	31	351	0.26%	0.110%
166	12.045	12.030	12.056	VV	28	372	0.28%	0.117%
167	12.067	12.056	12.080	VV	31	382	0.29%	0.120%
168	12.089	12.080	12.108	VV	36	416	0.31%	0.131%
169	12.115	12.108	12.127	VV	25	204	0.15%	0.064%
170	12.155	12.127	12.166	VV	31	507	0.38%	0.159%
171	12.181	12.166	12.187	VV	19	209	0.16%	0.066%
172	12.209	12.187	12.230	VV	36	560	0.42%	0.176%
173	12.242	12.230	12.252	VV	29	257	0.19%	0.081%
174	12.262	12.252	12.269	VV	27	233	0.17%	0.073%
175	12.275	12.269	12.299	VV	34	348	0.26%	0.109%
176	12.352	12.299	12.368	VV	33	895	0.67%	0.281%
177	12.383	12.368	12.396	VV	32	322	0.24%	0.101%
178	12.453	12.396	12.474	PV	26	771	0.58%	0.242%
179	12.562	12.474	12.590	VV	39	1675	1.25%	0.526%
180	12.614	12.590	12.631	VV	37	714	0.54%	0.224%
181	12.643	12.631	12.676	VV	31	712	0.53%	0.223%
182	12.691	12.676	12.707	VV	41	544	0.41%	0.171%
183	12.758	12.707	12.784	VV	51	1696	1.27%	0.533%
184	12.807	12.784	12.837	VV	43	1142	0.86%	0.358%
185	12.878	12.837	12.948	VV	57	2967	2.22%	0.931%
186	12.956	12.948	13.029	VV	52	1415	1.06%	0.444%
187	13.054	13.029	13.087	VV	42	1001	0.75%	0.314%
188	13.109	13.087	13.134	VV	27	592	0.44%	0.186%
189	13.184	13.134	13.266	VV	42	2294	1.72%	0.720%
190	13.273	13.266	13.289	VV	33	333	0.25%	0.105%
191	13.319	13.289	13.352	VV	32	753	0.56%	0.236%
192	13.441	13.352	13.525	VV	32	1893	1.42%	0.594%
193	13.535	13.525	13.565	VV	32	477	0.36%	0.150%
194	13.588	13.565	13.639	VV	26	752	0.56%	0.236%

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195	13.668	13.639	13.700	VV	29	647	0.48%	0.203%
196	13.714	13.700	13.734	VV	27	355		
197	13.748	13.734	13.761	VV	24	266		
198	13.787	13.761	13.802	VV	26	541		
199	13.833	13.802	13.875	VV	44	1165		
200	13.892	13.875	13.918	VV	49	836		
201	13.934	13.918	13.956	VV	41	667	0.50%	0.209%
202	13.968	13.956	13.986	VV	32	466	0.35%	0.146%
203	14.025	13.986	14.039	VV	37	1073	0.80%	0.337%
204	14.101	14.039	14.120	VV	98	3226	2.42%	1.013%
205	14.132	14.120	14.271	VV	90	4710	3.53%	1.478%
206	14.295	14.271	14.318	VV	28	539	0.40%	0.169%
207	14.334	14.318	14.371	VV	26	486	0.36%	0.153%
208	14.430	14.371	14.459	VV	39	1141	0.85%	0.358%
209	14.475	14.459	14.487	VV	27	282	0.21%	0.089%
210	14.508	14.487	14.557	VV	26	674	0.50%	0.212%
211	14.571	14.557	14.616	VV	37	577	0.43%	0.181%
212	14.631	14.616	14.666	PV	21	399	0.30%	0.125%
213	14.699	14.666	14.738	VV	37	588	0.44%	0.184%
214	14.780	14.738	14.858	VV	25	1098	0.82%	0.345%
215	14.917	14.858	14.932	VV	33	816	0.61%	0.256%
216	14.959	14.932	14.977	VV	34	521	0.39%	0.163%
217	15.053	14.977	15.172	VV	58	3344	2.50%	1.050%
218	15.203	15.172	15.239	VV	30	796	0.60%	0.250%
219	15.251	15.239	15.289	VV	25	554	0.41%	0.174%
220	15.298	15.289	15.316	VV	23	245	0.18%	0.077%
221	15.348	15.316	15.365	VV	23	460	0.34%	0.144%
222	15.383	15.365	15.426	VV	38	843	0.63%	0.265%
223	15.451	15.426	15.476	VV	31	732	0.55%	0.230%
224	15.516	15.476	15.559	VV	48	1195	0.90%	0.375%
225	15.585	15.559	15.615	VV	28	574	0.43%	0.180%
226	15.629	15.615	15.648	VV	12	233	0.17%	0.073%
227	15.676	15.648	15.709	VV	29	792	0.59%	0.249%
228	15.774	15.709	15.842	VV	41	2091	1.57%	0.656%
229	15.886	15.842	15.931	VV	37	1478	1.11%	0.464%
230	15.970	15.931	15.988	VV	40	1073	0.80%	0.337%
231	15.998	15.988	16.021	VV	34	380	0.28%	0.119%
232	16.045	16.021	16.094	VV	18	570	0.43%	0.179%
233	16.128	16.094	16.142	VV	37	531	0.40%	0.167%
234	16.165	16.142	16.186	VV	46	934	0.70%	0.293%
235	16.207	16.186	16.226	VV	49	827	0.62%	0.260%
236	16.269	16.226	16.354	VV	31	1767	1.32%	0.555%
237	16.489	16.354	16.516	VV	41	2476	1.85%	0.777%
238	16.638	16.516	16.699	VV	34	1872	1.40%	0.588%
239	16.804	16.699	16.876	PV	22	1356	1.02%	0.426%
Sum of corrected areas:							318581	

Instrument :

FID_B

ClientSampleId :

TP-31

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/04/2025

Supervised By :mohammad ahmed 06/05/2025

Report of Analysis

Client:	CDM Smith	Date Collected:	05/30/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-65	SDG No.:	Q2176
Lab Sample ID:	Q2176-08	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	87.3
Sample Wt/Vol:	6	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
FB031884.D	50	06/04/25 13:16	FB060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	510	J	394	2150	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	22.8		50 - 150	114%	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\FB060425\
Data File : FB031884.D
Signal(s) : FID2B.CH
Acq On : 4 Jun 2025 13:16
Operator : YP/AJ
Sample : Q2176-08 50X
Misc : 6.00G/5.00 ML MEOH
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-65

Integration File: Calibration.e
Quant Time: Jun 05 01:30:03 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	8.790	278466	22.820 ng/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

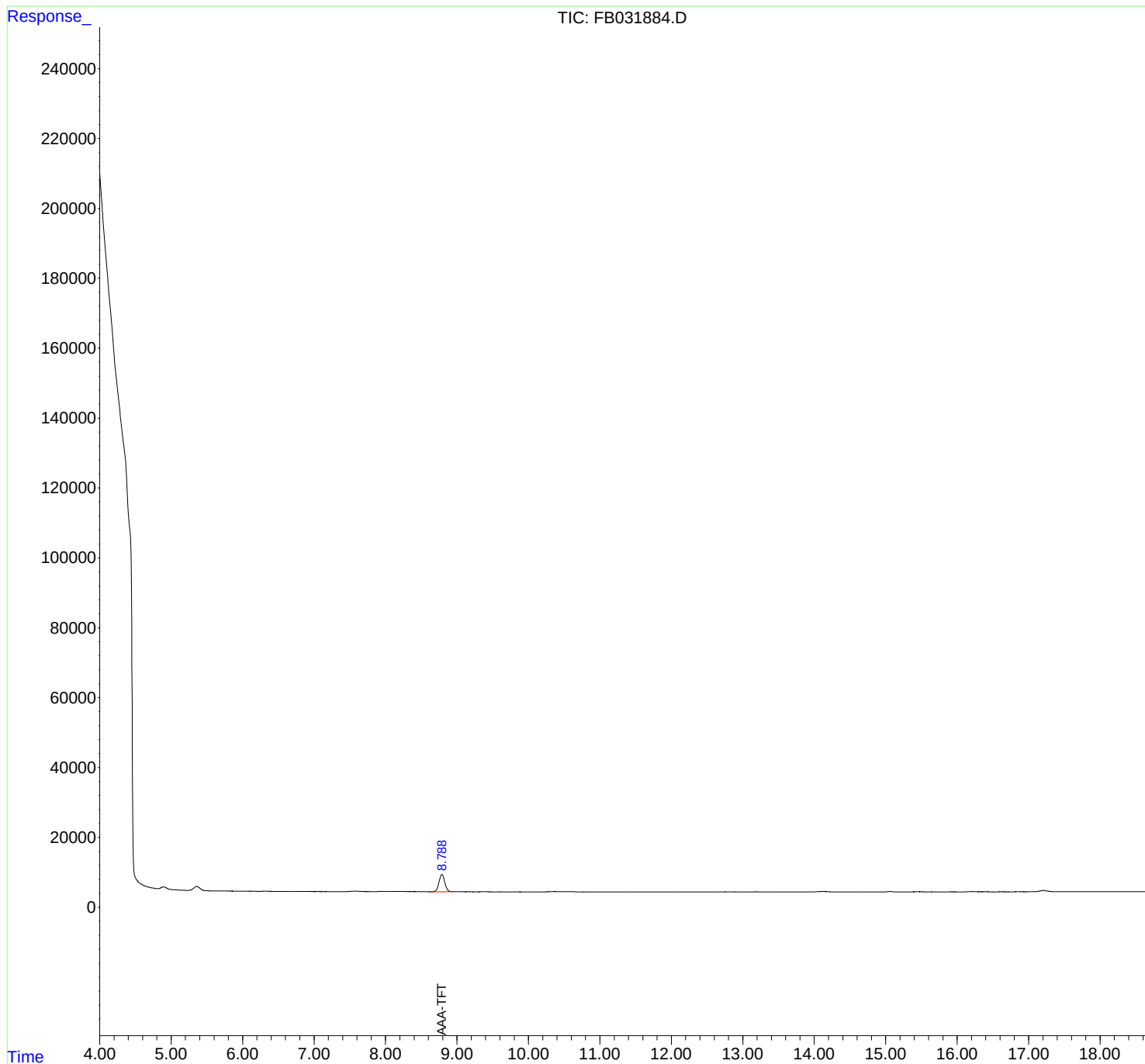
(m)=manual int.

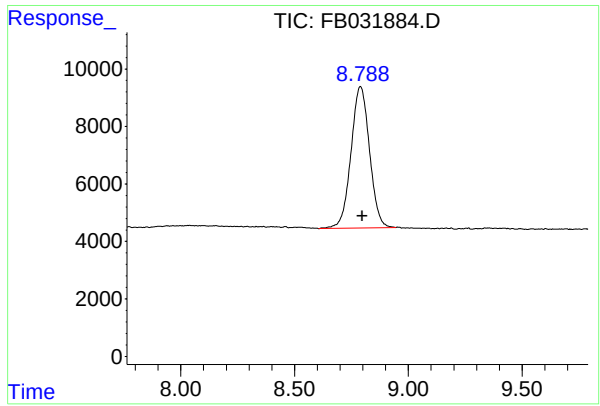
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060425\
Data File : FB031884.D
Signal(s) : FID2B.CH
Acq On : 4 Jun 2025 13:16
Operator : YP/AJ
Sample : Q2176-08 50X
Misc : 6.00G/5.00 ML MEOH
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-65

Integration File: Calibration.e
Quant Time: Jun 05 01:30:03 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.: 8.790 min
Delta R.T.: -0.008 min
Response: 278466
Conc: 22.82 ng/ml

Instrument :
FID_B
ClientSampleId :
TP-65

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060425\
Data File : FB031884.D
Signal(s) : FID2B.CH
Acq On : 4 Jun 2025 13:16
Sample : Q2176-08 50X
Misc : 6.00G/5.00 ML ME0H
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	5.163	5.153	5.227	PV	13	251	0.09%	0.054%
2	5.543	5.531	5.563	PV	19	177	0.06%	0.038%
3	5.574	5.563	5.584	VV	18	157	0.05%	0.034%
4	5.591	5.584	5.611	VV	26	204	0.07%	0.044%
5	5.624	5.611	5.656	PV	19	292	0.10%	0.063%
6	5.666	5.656	5.700	VV	25	456	0.16%	0.099%
7	5.708	5.700	5.726	PV	12	181	0.06%	0.039%
8	5.739	5.726	5.794	VV	17	504	0.18%	0.109%
9	5.806	5.794	5.826	VV	21	189	0.07%	0.041%
10	5.831	5.826	5.838	VV	21	74	0.03%	0.016%
11	5.849	5.838	5.871	PV	23	302	0.11%	0.065%
12	5.878	5.871	5.893	VV	13	82	0.03%	0.018%
13	5.902	5.893	5.948	PV	21	226	0.08%	0.049%
14	5.959	5.948	5.988	PV	17	137	0.05%	0.030%
15	6.001	5.988	6.015	PV	18	178	0.06%	0.039%
16	6.025	6.015	6.048	VV	23	237	0.08%	0.051%
17	6.058	6.048	6.069	PV	23	130	0.05%	0.028%
18	6.088	6.069	6.103	VV	13	121	0.04%	0.026%
19	6.125	6.103	6.136	PV	18	212	0.07%	0.046%
20	6.147	6.136	6.169	PV	36	360	0.13%	0.078%
21	6.179	6.169	6.209	VV	21	256	0.09%	0.055%
22	6.221	6.209	6.241	VV	17	219	0.08%	0.047%
23	6.311	6.241	6.327	VV	43	1375	0.48%	0.297%
24	6.340	6.327	6.374	VV	50	1171	0.41%	0.253%
25	6.396	6.374	6.455	VV	47	1364	0.48%	0.295%
26	6.462	6.455	6.485	VV	19	201	0.07%	0.043%
27	6.498	6.485	6.513	VV	15	158	0.06%	0.034%
28	6.533	6.513	6.558	VV	27	476	0.17%	0.103%
29	6.565	6.558	6.581	PV	34	202	0.07%	0.044%
30	6.594	6.581	6.606	VV	15	161	0.06%	0.035%
31	6.613	6.606	6.664	PB	16	137	0.05%	0.030%
32	6.698	6.672	6.718	BV	27	254	0.09%	0.055%
33	6.742	6.718	6.752	PV	13	156	0.05%	0.034%
34	6.781	6.752	6.798	VV	24	364	0.13%	0.079%
35	6.814	6.798	6.825	VV	14	153	0.05%	0.033%
36	6.855	6.825	6.876	VV	28	486	0.17%	0.105%

					rteres			
37	6.888	6.876	6.898	VV	24	223	0.08%	0.048%
38	6.918	6.898	6.941	VV	41	484	0.17%	0.105%
39	6.982	6.941	7.019	VV	28	828	0.29%	0.179%
40	7.045	7.019	7.058	VV	35	591	0.21%	0.128%
41	7.071	7.058	7.103	VV	34	613	0.22%	0.133%
42	7.111	7.103	7.141	VV	27	424	0.15%	0.092%
43	7.164	7.141	7.179	VV	27	394	0.14%	0.085%
44	7.189	7.179	7.231	VV	14	306	0.11%	0.066%
45	7.240	7.231	7.248	PV	10	78	0.03%	0.017%
46	7.282	7.248	7.319	VV	33	560	0.20%	0.121%
47	7.374	7.319	7.393	PV	24	588	0.21%	0.127%
48	7.402	7.393	7.415	VV	18	168	0.06%	0.036%
49	7.424	7.415	7.443	PV	17	231	0.08%	0.050%
50	7.565	7.443	7.657	VV	158	11532	4.05%	2.493%
51	7.666	7.657	7.687	VV	55	739	0.26%	0.160%
52	7.696	7.687	7.762	VB	41	745	0.26%	0.161%
53	7.774	7.763	7.786	BV	24	175	0.06%	0.038%
54	7.804	7.786	7.840	PV	16	258	0.09%	0.056%
55	7.852	7.840	7.866	VV	23	162	0.06%	0.035%
56	7.910	7.866	7.920	PV	35	784	0.28%	0.169%
57	7.942	7.920	7.952	VV	46	749	0.26%	0.162%
58	7.966	7.952	7.977	VV	49	575	0.20%	0.124%
59	7.998	7.977	8.013	VV	38	760	0.27%	0.164%
60	8.038	8.013	8.122	VB	43	1857	0.65%	0.401%
61	8.144	8.125	8.172	BV	22	372	0.13%	0.080%
62	8.183	8.172	8.192	VV	12	99	0.03%	0.021%
63	8.200	8.192	8.214	VV	12	115	0.04%	0.025%
64	8.220	8.214	8.231	VV	14	101	0.04%	0.022%
65	8.236	8.231	8.243	VV	19	92	0.03%	0.020%
66	8.266	8.243	8.277	VV	21	294	0.10%	0.064%
67	8.293	8.277	8.323	VV	23	408	0.14%	0.088%
68	8.332	8.323	8.377	VV	29	732	0.26%	0.158%
69	8.398	8.377	8.412	VV	34	548	0.19%	0.118%
70	8.419	8.412	8.446	VV	33	553	0.19%	0.120%
71	8.459	8.446	8.476	VV	48	555	0.20%	0.120%
72	8.501	8.476	8.512	VV	34	508	0.18%	0.110%
73	8.528	8.512	8.607	VV	36	1212	0.43%	0.262%
74	8.790	8.607	8.973	PV	4956	284834	100.00%	61.572%
75	8.981	8.973	8.989	VV	39	326	0.11%	0.071%
76	8.998	8.989	9.057	VV	40	1288	0.45%	0.278%
77	9.065	9.057	9.076	VV	31	310	0.11%	0.067%
78	9.085	9.076	9.102	VV	33	396	0.14%	0.086%
79	9.130	9.102	9.139	VV	28	436	0.15%	0.094%
80	9.168	9.139	9.183	VV	39	712	0.25%	0.154%
81	9.190	9.183	9.206	VV	48	338	0.12%	0.073%
82	9.225	9.206	9.233	VV	23	216	0.08%	0.047%
83	9.266	9.233	9.283	VV	46	682	0.24%	0.147%
84	9.299	9.283	9.311	VV	30	310	0.11%	0.067%
85	9.317	9.311	9.323	VV	24	141	0.05%	0.030%
86	9.338	9.323	9.375	VV	50	1161	0.41%	0.251%
87	9.381	9.375	9.405	VV	44	652	0.23%	0.141%
88	9.420	9.405	9.448	VV	44	894	0.31%	0.193%
89	9.460	9.448	9.471	VV	37	310	0.11%	0.067%

					rteres				
90	9.490	9.471	9.527	VV	29	492	0.17%	0.106%	
91	9.545	9.527	9.559	PV	25	282	0.10%	0.061%	
92	9.587	9.559	9.594	VV	19	270	0.09%	0.058%	
93	9.603	9.594	9.629	VV	33	300	0.11%	0.065%	
94	9.640	9.629	9.651	VV	18	203	0.07%	0.044%	
95	9.697	9.651	9.706	VV	26	608	0.21%	0.131%	
96	9.712	9.706	9.723	VV	19	101	0.04%	0.022%	
97	9.736	9.723	9.746	VV	20	200	0.07%	0.043%	
98	9.753	9.746	9.763	VV	18	145	0.05%	0.031%	
99	9.776	9.763	9.795	VV	29	384	0.13%	0.083%	
100	9.815	9.795	9.842	VV	20	490	0.17%	0.106%	
101	9.871	9.842	9.878	VV	32	502	0.18%	0.108%	
102	9.886	9.878	9.899	VV	34	334	0.12%	0.072%	
103	9.914	9.899	9.932	VV	28	454	0.16%	0.098%	
104	9.950	9.932	9.970	VV	24	390	0.14%	0.084%	
105	9.995	9.970	10.019	VV	24	423	0.15%	0.091%	
106	10.027	10.019	10.070	VV	22	264	0.09%	0.057%	
107	10.099	10.070	10.135	VV	19	425	0.15%	0.092%	
108	10.141	10.135	10.149	VV	13	78	0.03%	0.017%	
109	10.170	10.149	10.185	VV	28	353	0.12%	0.076%	
110	10.191	10.185	10.199	VV	19	125	0.04%	0.027%	
111	10.218	10.199	10.231	VV	23	378	0.13%	0.082%	
112	10.359	10.231	10.369	VV	137	5656	1.99%	1.223%	
113	10.377	10.369	10.483	VV	112	6055	2.13%	1.309%	
114	10.491	10.483	10.498	VV	68	579	0.20%	0.125%	
115	10.510	10.498	10.521	VV	72	912	0.32%	0.197%	
116	10.530	10.521	10.577	VV	71	2075	0.73%	0.449%	
117	10.620	10.577	10.671	VV	94	3544	1.24%	0.766%	
118	10.680	10.671	10.695	VV	35	409	0.14%	0.088%	
119	10.703	10.695	10.712	VV	31	232	0.08%	0.050%	
120	10.777	10.712	10.797	VV	49	1511	0.53%	0.327%	
121	10.809	10.797	10.867	VV	41	1104	0.39%	0.239%	
122	10.875	10.867	10.909	VV	26	413	0.14%	0.089%	
123	10.946	10.909	10.973	VV	34	927	0.33%	0.200%	
124	10.981	10.973	11.034	VV	31	867	0.30%	0.187%	
125	11.047	11.034	11.062	VV	27	268	0.09%	0.058%	
126	11.072	11.062	11.089	PV	18	153	0.05%	0.033%	
127	11.106	11.089	11.114	VV	25	246	0.09%	0.053%	
128	11.122	11.114	11.131	VV	26	175	0.06%	0.038%	
129	11.143	11.131	11.173	VV	26	391	0.14%	0.085%	
130	11.190	11.173	11.207	VV	24	274	0.10%	0.059%	
131	11.237	11.207	11.287	VV	19	547	0.19%	0.118%	
132	11.303	11.287	11.317	VV	19	201	0.07%	0.044%	
133	11.325	11.317	11.336	VV	20	150	0.05%	0.032%	
134	11.354	11.336	11.370	VV	29	280	0.10%	0.061%	
135	11.449	11.370	11.518	VV	46	2725	0.96%	0.589%	
136	11.528	11.518	11.696	VV	28	1784	0.63%	0.386%	
137	11.716	11.696	11.731	VV	17	251	0.09%	0.054%	
138	11.774	11.731	11.821	VV	27	951	0.33%	0.206%	
139	11.843	11.821	11.857	VV	39	532	0.19%	0.115%	
140	11.881	11.857	11.988	VV	41	1422	0.50%	0.307%	
141	12.042	11.988	12.068	VV	35	746	0.26%	0.161%	

					rteres			
142	12.121	12.068	12.166	VV	23	729	0.26%	0.158%
143	12.171	12.166	12.216	VV	23	192	0.07%	0.042%
144	12.327	12.216	12.382	PV	26	1537	0.54%	0.332%
145	12.405	12.382	12.419	VV	16	215	0.08%	0.047%
146	12.437	12.419	12.459	VV	26	320	0.11%	0.069%
147	12.479	12.459	12.500	VV	29	374	0.13%	0.081%
148	12.514	12.500	12.536	VV	18	188	0.07%	0.041%
149	12.612	12.536	12.662	VV	34	1616	0.57%	0.349%
150	12.761	12.662	12.843	VV	60	3941	1.38%	0.852%
151	12.886	12.843	12.986	VV	60	2782	0.98%	0.601%
152	13.016	12.986	13.030	VV	35	664	0.23%	0.143%
153	13.077	13.030	13.107	VV	37	1235	0.43%	0.267%
154	13.119	13.107	13.131	VV	32	360	0.13%	0.078%
155	13.175	13.131	13.219	VV	89	2468	0.87%	0.534%
156	13.232	13.219	13.305	VV	43	1157	0.41%	0.250%
157	13.322	13.305	13.354	VV	22	405	0.14%	0.088%
158	13.374	13.354	13.433	VV	14	510	0.18%	0.110%
159	13.511	13.433	13.524	VV	30	896	0.31%	0.194%
160	13.544	13.524	13.579	VV	35	693	0.24%	0.150%
161	13.603	13.579	13.622	VV	17	365	0.13%	0.079%
162	13.633	13.622	13.685	VV	19	386	0.14%	0.083%
163	13.699	13.685	13.715	VV	13	140	0.05%	0.030%
164	13.792	13.715	13.805	PV	27	895	0.31%	0.193%
165	13.878	13.805	13.898	VV	53	1864	0.65%	0.403%
166	13.908	13.898	13.939	VV	51	1129	0.40%	0.244%
167	13.949	13.939	13.990	VV	55	1370	0.48%	0.296%
168	14.125	13.990	14.271	VV	149	14905	5.23%	3.222%
169	14.284	14.271	14.301	VV	28	382	0.13%	0.082%
170	14.332	14.301	14.385	VV	33	1243	0.44%	0.269%
171	14.428	14.385	14.472	VV	46	1463	0.51%	0.316%
172	14.499	14.472	14.538	VV	27	540	0.19%	0.117%
173	14.567	14.538	14.592	PV	19	400	0.14%	0.087%
174	14.624	14.592	14.639	VV	21	412	0.14%	0.089%
175	14.662	14.639	14.709	VV	23	568	0.20%	0.123%
176	14.737	14.709	14.758	VV	18	362	0.13%	0.078%
177	14.767	14.758	14.793	VV	25	256	0.09%	0.055%
178	14.887	14.793	14.920	VV	33	1335	0.47%	0.289%
179	14.937	14.920	14.961	PV	21	343	0.12%	0.074%
180	14.980	14.961	14.995	VV	34	467	0.16%	0.101%
181	15.065	14.995	15.149	VV	132	6289	2.21%	1.359%
182	15.166	15.149	15.224	VV	34	1039	0.36%	0.225%
183	15.264	15.224	15.286	VV	28	784	0.28%	0.169%
184	15.333	15.286	15.351	VV	26	843	0.30%	0.182%
185	15.397	15.351	15.410	VV	58	1314	0.46%	0.284%
186	15.426	15.410	15.475	VV	59	1887	0.66%	0.408%
187	15.499	15.475	15.578	VV	59	2107	0.74%	0.455%
188	15.593	15.578	15.621	VV	21	395	0.14%	0.085%
189	15.643	15.621	15.656	VV	41	437	0.15%	0.095%
190	15.670	15.656	15.753	VV	36	1022	0.36%	0.221%
191	15.779	15.753	15.820	VV	33	922	0.32%	0.199%
192	15.854	15.820	15.888	VV	32	924	0.32%	0.200%
193	15.920	15.888	16.002	VV	51	2092	0.73%	0.452%
194	16.017	16.002	16.055	VV	26	679	0.24%	0.147%

[illegible]

FB053025.M Thu Jun 05 02:05:35 2025



CALIBRATION SUMMARY

GASOLINE RANGE ORGANICS INITIAL CALIBRATION SUMMARY

Lab Name: Chemtech Contract: CAMP02
 ProjectID: South River WM Replacement
 Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG No.: Q2176

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.: Q2176 SAS No.: Q2176 SDG No.: Q2176
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

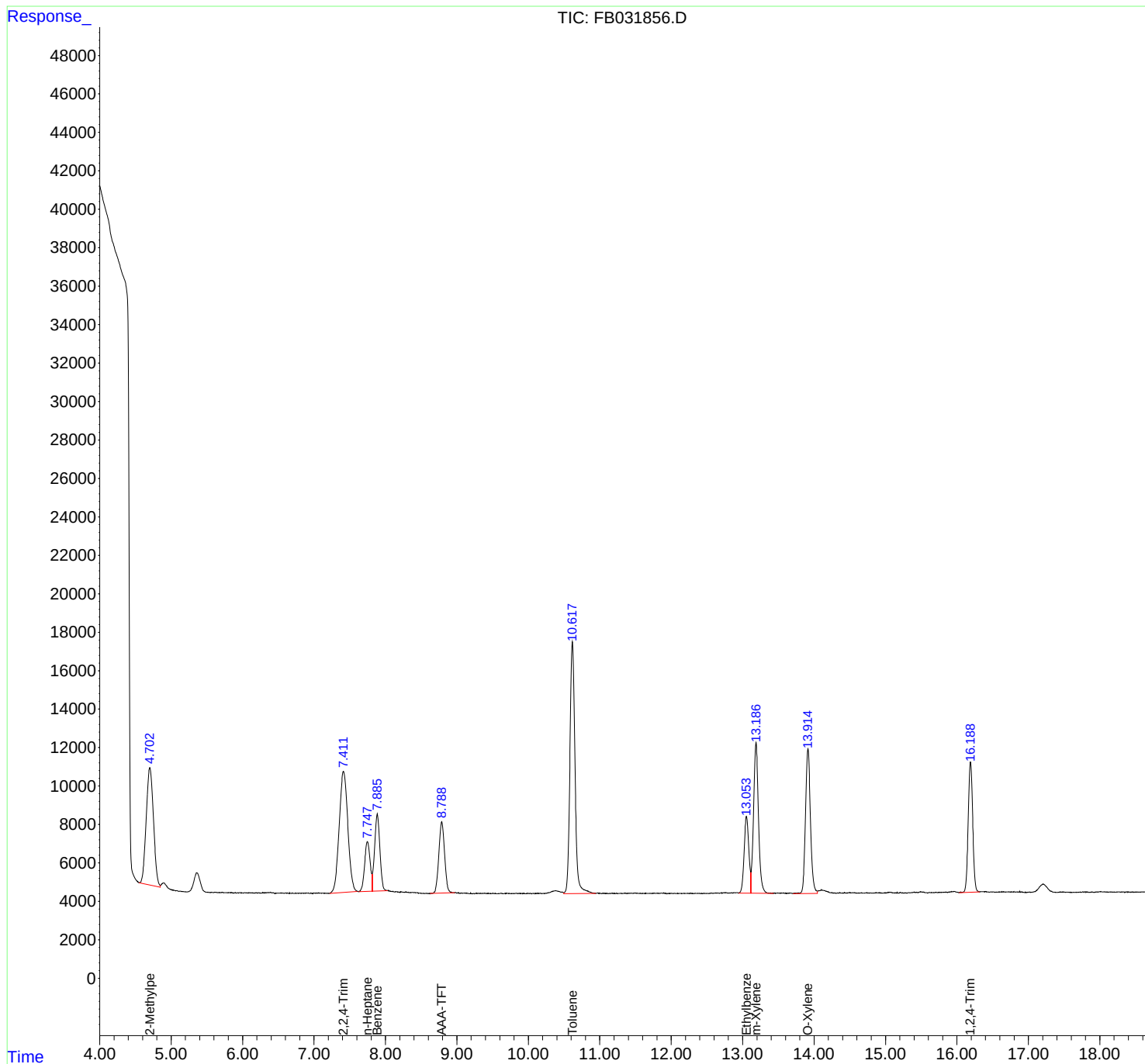
(m)=manual int.

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.: Q2176 SAS No.: Q2176 SDG No.: Q2176
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

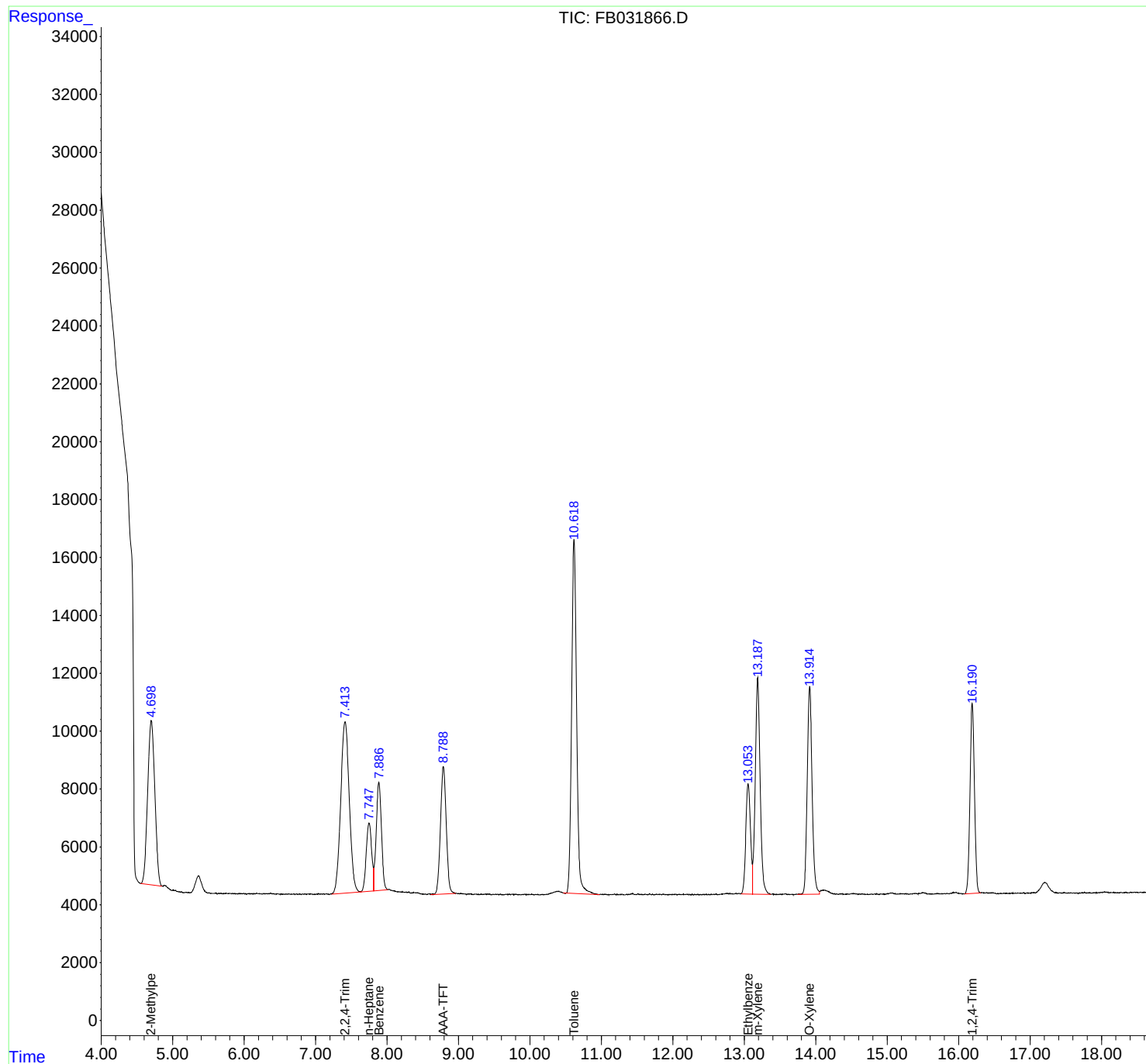
(m)=manual int.

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

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.: Q2176 SAS No.: Q2176 SDG No.: Q2176
DataFile: FB031876.D Analyst Name: YP/AJ Analyst Date: 06-03-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	2920260	16224	17244	5.915

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060325\
 Data File : FB031876.D
 Signal(s) : FID2B.CH
 Acq On : 3 Jun 2025 20:01
 Operator : YP/AJ
 Sample : 20 PPB GRO STD
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 FID_B
 ClientSampleId :
 20 PPB GRO STD

Integration File: Calibration.e
 Quant Time: Jun 04 01:22:57 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	242084	19.839 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.703	394981	23.195 ng/ml
2) t 2,2,4-Trimethylpentane	7.417	483678	23.510 ng/ml
3) t n-Heptane	7.750	127661	7.464 ng/ml
4) t Benzene	7.888	201412	10.132 ng/ml
6) t Toluene	10.620	589687	31.359 ng/ml
7) t Ethylbenzene	13.057	167595	10.993 ng/ml
8) t m-Xylene	13.190	346385	20.281 ng/ml
9) t O-Xylene	13.917	330843	20.867 ng/ml
10) t 1,2,4-Trimethylbenzene	16.192	278018	24.096 ng/ml

(f)=RT Delta > 1/2 Window

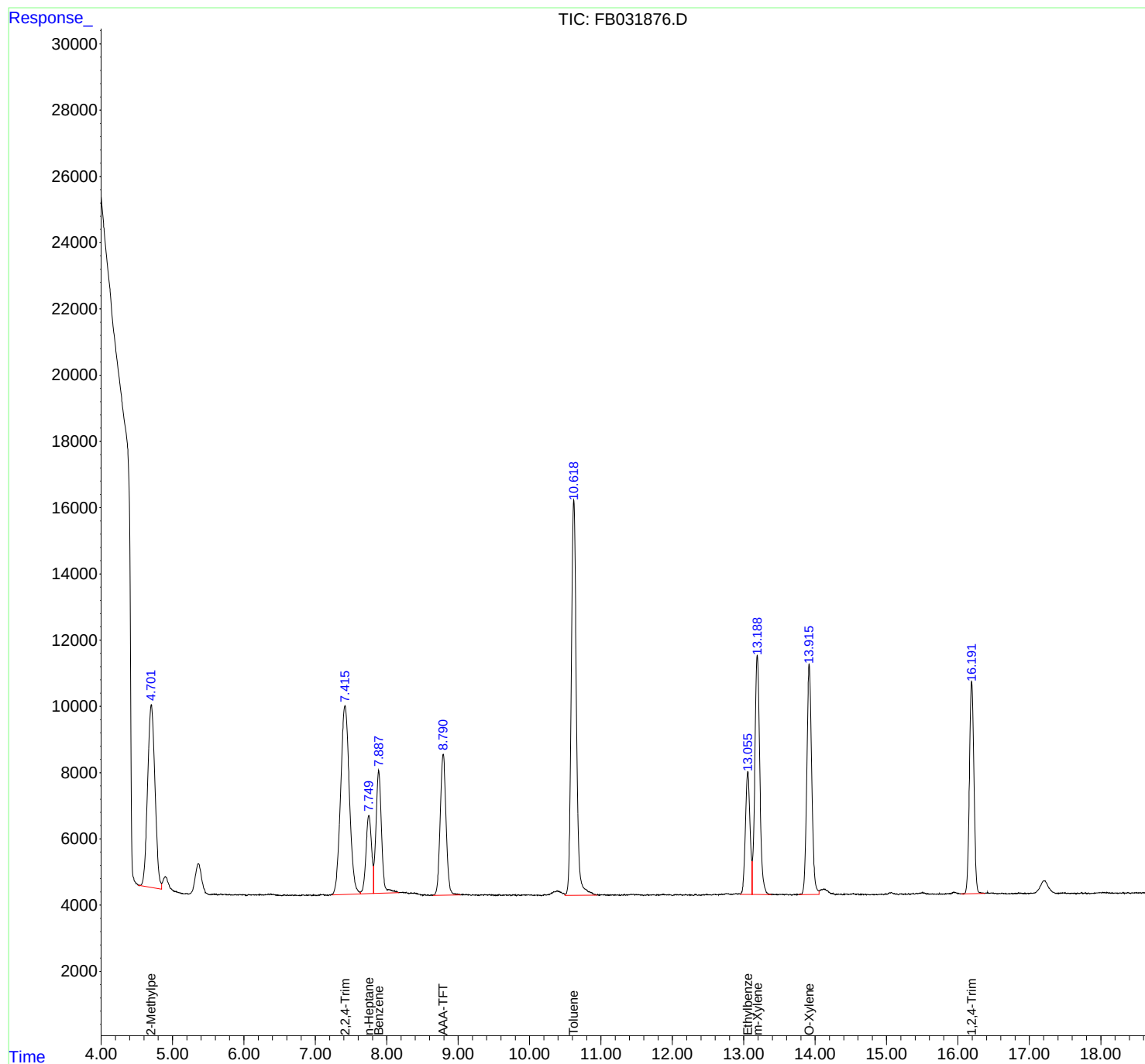
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060325\
Data File : FB031876.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 20:01
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Jun 04 01:22:57 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 : FB031876.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 20:01
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 21 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	4.520	4.847	BV	5521	394981	66.98%	12.490%
2	7.417	7.242	7.632	VV	5699	483678	82.02%	15.295%
3	7.750	7.632	7.816	VV	2361	127661	21.65%	4.037%
4	7.888	7.816	8.169	VB	3711	201412	34.16%	6.369%
5	8.791	8.645	9.035	PV	4254	242084	41.05%	7.655%
6	10.620	10.496	10.947	VV	11932	589687	100.00%	18.647%
7	13.057	12.952	13.117	VV	3716	167595	28.42%	5.300%
8	13.190	13.117	13.391	VV	7224	346385	58.74%	10.953%
9	13.917	13.769	14.054	PV	6958	330843	56.10%	10.462%
10	16.192	16.043	16.372	BV	6398	278018	47.15%	8.792%

Sum of corrected areas: 3162346

FB053025.M Wed Jun 04 02:11:15 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.: Q2176 SAS No.: Q2176 SDG No.: Q2176
DataFile: FB031877.D Analyst Name: YP/AJ Analyst Date: 06-04-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	3258332	18102	17244	4.976

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060425\
 Data File : FB031877.D
 Signal(s) : FID2B.CH
 Acq On : 4 Jun 2025 9:36
 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 05 01:28:56 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	243177	19.928 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.704	450581	26.460 ng/ml
2) t 2,2,4-Trimethylpentane	7.415	552284	26.845 ng/ml
3) t n-Heptane	7.751	136828	8.000 ng/ml
4) t Benzene	7.889	212423	10.686 ng/ml
6) t Toluene	10.620	651607	34.652 ng/ml
7) t Ethylbenzene	13.056	187775	12.317 ng/ml
8) t m-Xylene	13.190	388695	22.758 ng/ml
9) t O-Xylene	13.916	372977	23.524 ng/ml
10) t 1,2,4-Trimethylbenzene	16.192	305162	26.449 ng/ml

(f)=RT Delta > 1/2 Window

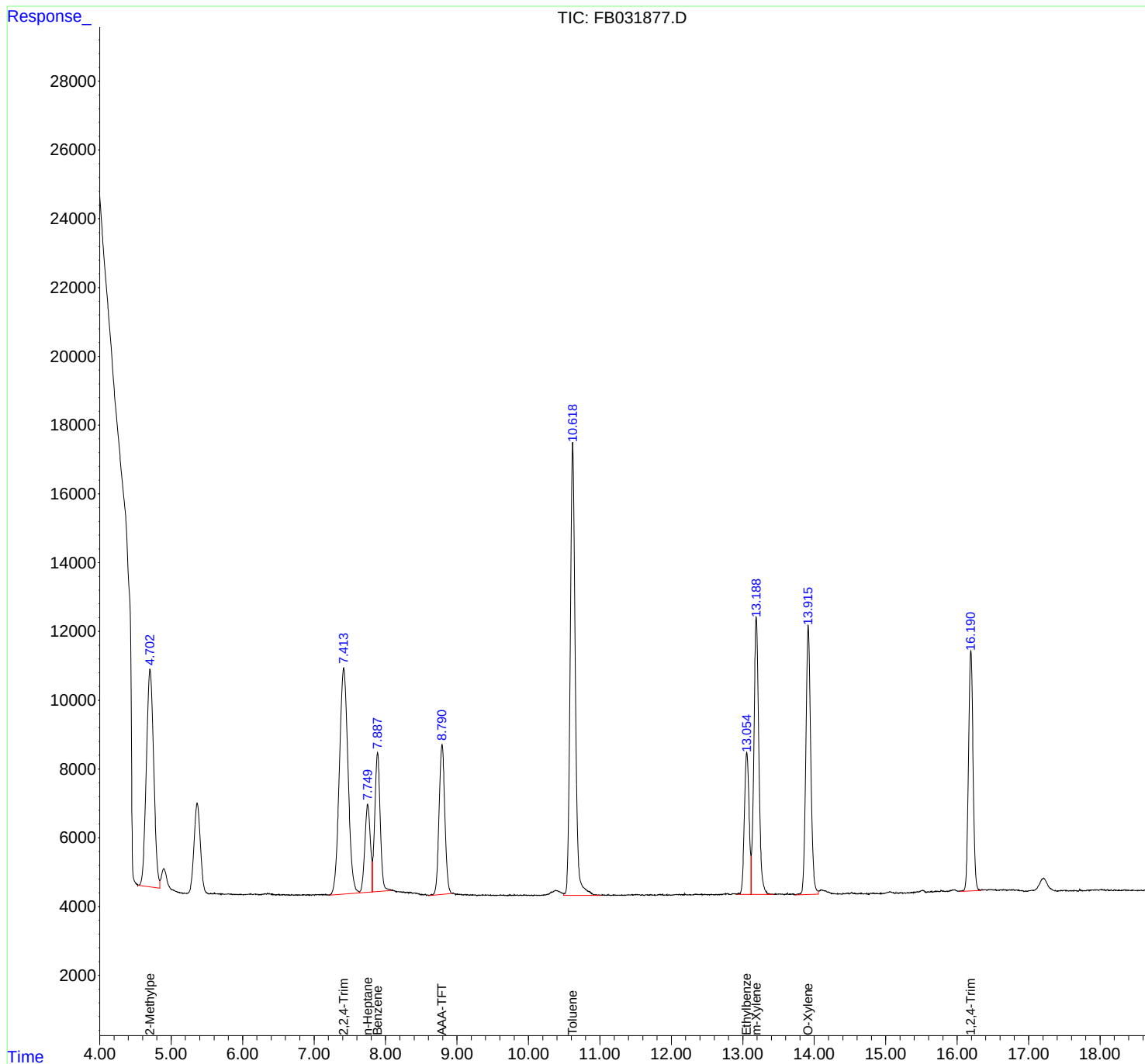
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060425\
Data File : FB031877.D
Signal(s) : FID2B.CH
Acq On : 4 Jun 2025 9:36
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 05 01:28:56 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\FB060425\
Data File : FB031877.D
Signal(s) : FID2B.CH
Acq On : 4 Jun 2025 9:36
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	4.534	4.841	BV	6335	450581	69.15%	12.868%
2	7.415	7.214	7.638	PV	6575	552284	84.76%	15.773%
3	7.751	7.638	7.816	VV	2558	136828	21.00%	3.908%
4	7.889	7.816	8.086	VV	4038	212423	32.60%	6.067%
5	8.792	8.608	8.929	PV	4355	243177	37.32%	6.945%
6	10.620	10.494	11.014	VV	13179	651607	100.00%	18.609%
7	13.056	12.929	13.117	BV	4127	187775	28.82%	5.363%
8	13.190	13.117	13.433	VB	8063	388695	59.65%	11.101%
9	13.916	13.739	14.056	BV	7828	372977	57.24%	10.652%
10	16.192	16.046	16.333	BV	6980	305162	46.83%	8.715%

Sum of corrected areas: 3501508

FB053025.M Thu Jun 05 01:57:06 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.: Q2176 SAS No.: Q2176 SDG No.: Q2176
DataFile: FB031886.D Analyst Name: YP/AJ Analyst Date: 06-04-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	3118827	17327	17244	0.481

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060425\
 Data File : FB031886.D
 Signal(s) : FID2B.CH
 Acq On : 4 Jun 2025 14:11
 Operator : YP/AJ
 Sample : 20 PPB GRO STD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 FID_B
 ClientSampleId :
 20 PPB GRO STD

Integration File: Calibration.e
 Quant Time: Jun 05 01:30:23 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	244703	20.054 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.705	399692	23.471 ng/ml
2) t 2,2,4-Trimethylpentane	7.416	505427	24.567 ng/ml
3) t n-Heptane	7.752	127082	7.430 ng/ml
4) t Benzene	7.890	199845	10.053 ng/ml
6) t Toluene	10.622	631173	33.565 ng/ml
7) t Ethylbenzene	13.059	184417	12.097 ng/ml
8) t m-Xylene	13.191	385206	22.554 ng/ml
9) t O-Xylene	13.918	371598	23.438 ng/ml
10) t 1,2,4-Trimethylbenzene	16.194	314387	27.248 ng/ml

(f)=RT Delta > 1/2 Window

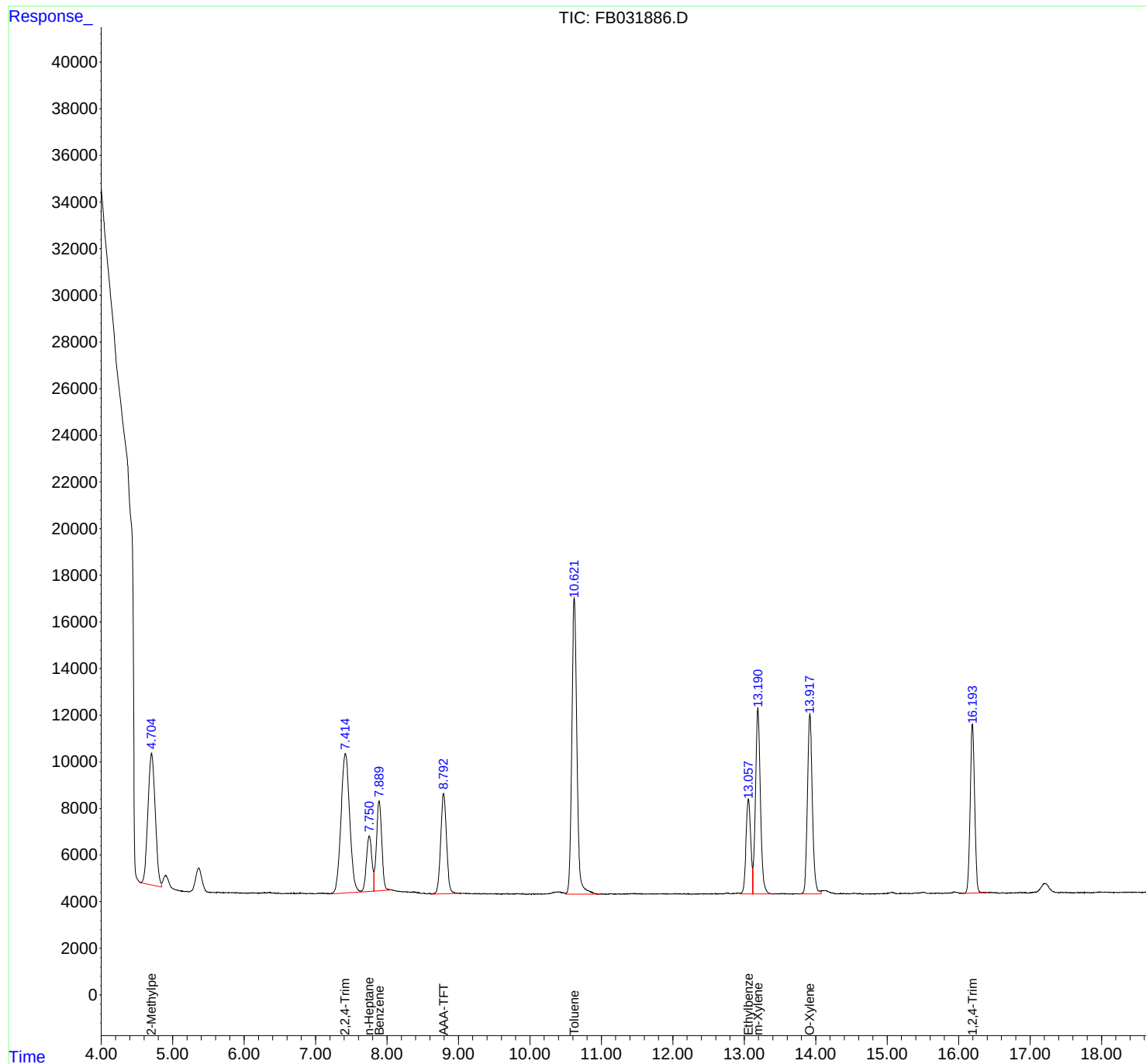
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060425\
Data File : FB031886.D
Signal(s) : FID2B.CH
Acq On : 4 Jun 2025 14:11
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Jun 05 01:30:23 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\FB060425\
Data File : FB031886.D
Signal(s) : FID2B.CH
Acq On : 4 Jun 2025 14:11
Sample : 20 PPB GRO STD
Misc :
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	4.705	4.554	4.846	BV	5647	399692	63.33%	11.883%
2	7.416	7.207	7.638	PV	5977	505427	80.08%	15.027%
3	7.752	7.638	7.818	VV	2383	127082	20.13%	3.778%
4	7.890	7.818	8.064	VV	3853	199845	31.66%	5.942%
5	8.793	8.618	9.007	PV	4305	244703	38.77%	7.275%
6	10.622	10.502	11.000	VV	12699	631173	100.00%	18.765%
7	13.059	12.945	13.119	VV	4067	184417	29.22%	5.483%
8	13.191	13.119	13.408	VV	7984	385206	61.03%	11.452%
9	13.918	13.758	14.076	BV	7711	371598	58.87%	11.048%
10	16.194	16.035	16.401	BBA	7236	314387	49.81%	9.347%

Sum of corrected areas: 3363530

FB053025.M Thu Jun 05 02:00:33 2025

Analytical Sequence

Client: CDM Smith

SDG No.: Q2176

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	3 Jun 2025 9:12	FB031856.D	8.789	
VBF0603S1	VBF0603S1	3 Jun 2025 9:55	FB031857.D	8.788	
BSF0603S1	BSF0603S1	3 Jun 2025 10:51	FB031859.D	8.790	
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	
TP-56	Q2176-02	3 Jun 2025 16:20	FB031868.D	8.645	*
TP-25	Q2176-03	3 Jun 2025 16:48	FB031869.D	8.629	*
TP-26	Q2176-04	3 Jun 2025 17:15	FB031870.D	8.792	
TP-28	Q2176-05	3 Jun 2025 17:43	FB031871.D	8.648	*
TP-27	Q2176-06	3 Jun 2025 18:10	FB031872.D	8.630	*
TP-31	Q2176-07	3 Jun 2025 18:38	FB031873.D	8.791	
20 PPB GRO STD	20 PPB GRO STD	3 Jun 2025 20:01	FB031876.D	8.791	
20 PPB GRO STD	20 PPB GRO STD	4 Jun 2025 9:36	FB031877.D	8.792	
VBF0604S2	VBF0604S2	4 Jun 2025 10:47	FB031879.D	8.792	
BSF0604S1	BSF0604S1	4 Jun 2025 11:14	FB031880.D	8.791	
TP-46	Q2176-01	4 Jun 2025 12:48	FB031883.D	8.789	
TP-65	Q2176-08	4 Jun 2025 13:16	FB031884.D	8.790	
BSF0604S2	BSF0604S2	4 Jun 2025 13:44	FB031885.D	8.793	
20 PPB GRO STD	20 PPB GRO STD	4 Jun 2025 14:11	FB031886.D	8.793	



QC SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VBF0603S1	SDG No.:	Q2176
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

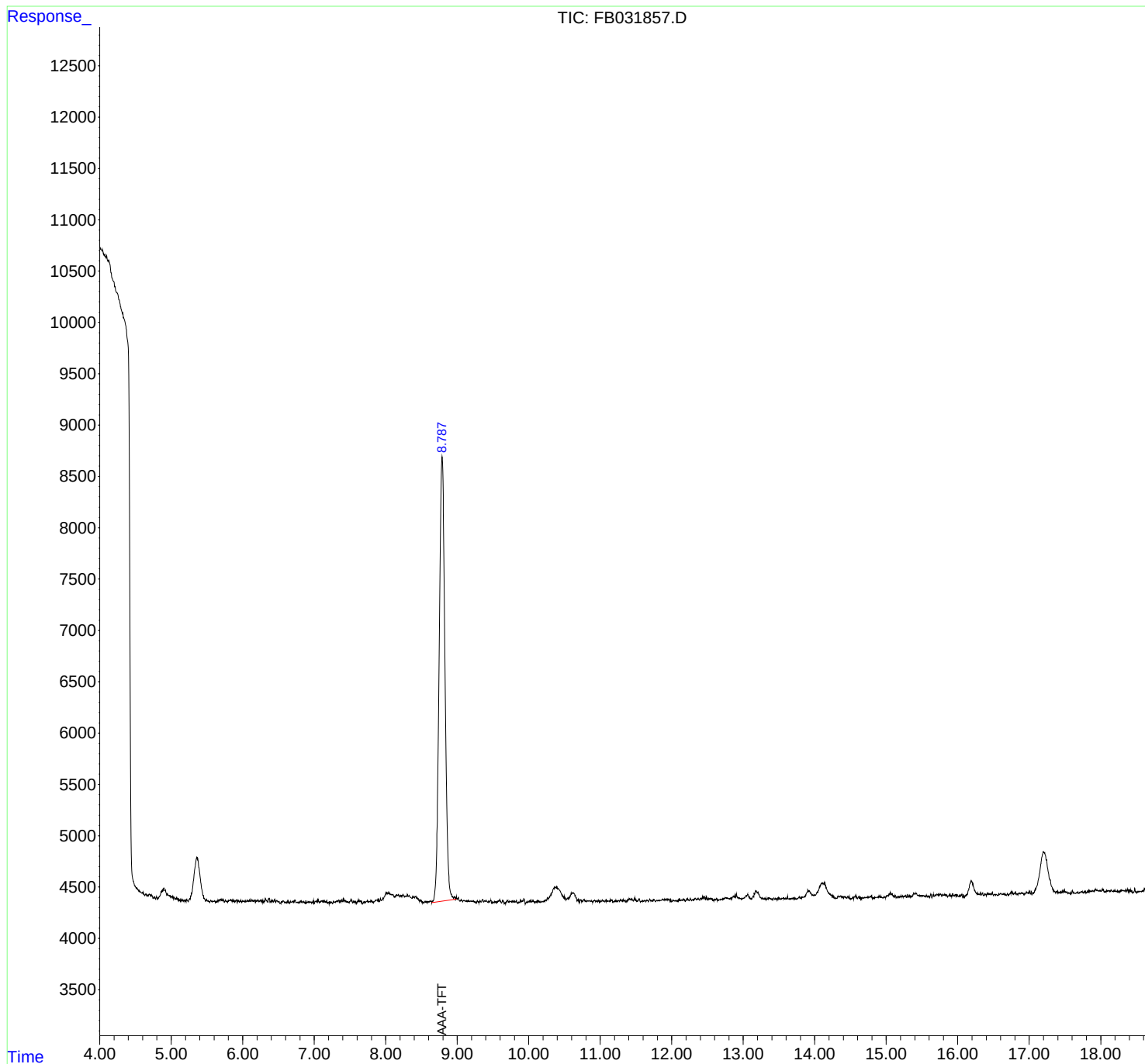
(m)=manual int.

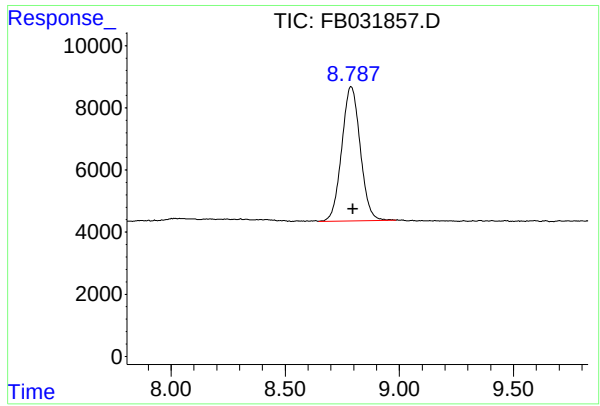
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060325\
Data File : FB031857.D
Signal(s) : FID2B.CH
Acq On : 3 Jun 2025 9:55
Operator : YP/AJ
Sample : VBF0603S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 2 Sample Multiplier: 1

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:	VBF0604S2	SDG No.:	Q2176
Lab Sample ID:	VBF0604S2	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
FB031879.D	50	06/04/25 10:47	FB060425

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	24.4		50 - 150	122%	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\FB060425\
Data File : FB031879.D
Signal(s) : FID2B.CH
Acq On : 4 Jun 2025 10:47
Operator : YP/AJ
Sample : VBF0604S2 50X
Misc : 5.00G/5.00 ML MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0604S2

Integration File: Calibration.e
Quant Time: Jun 05 01:29:20 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	8.792	297387	24.371 ng/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

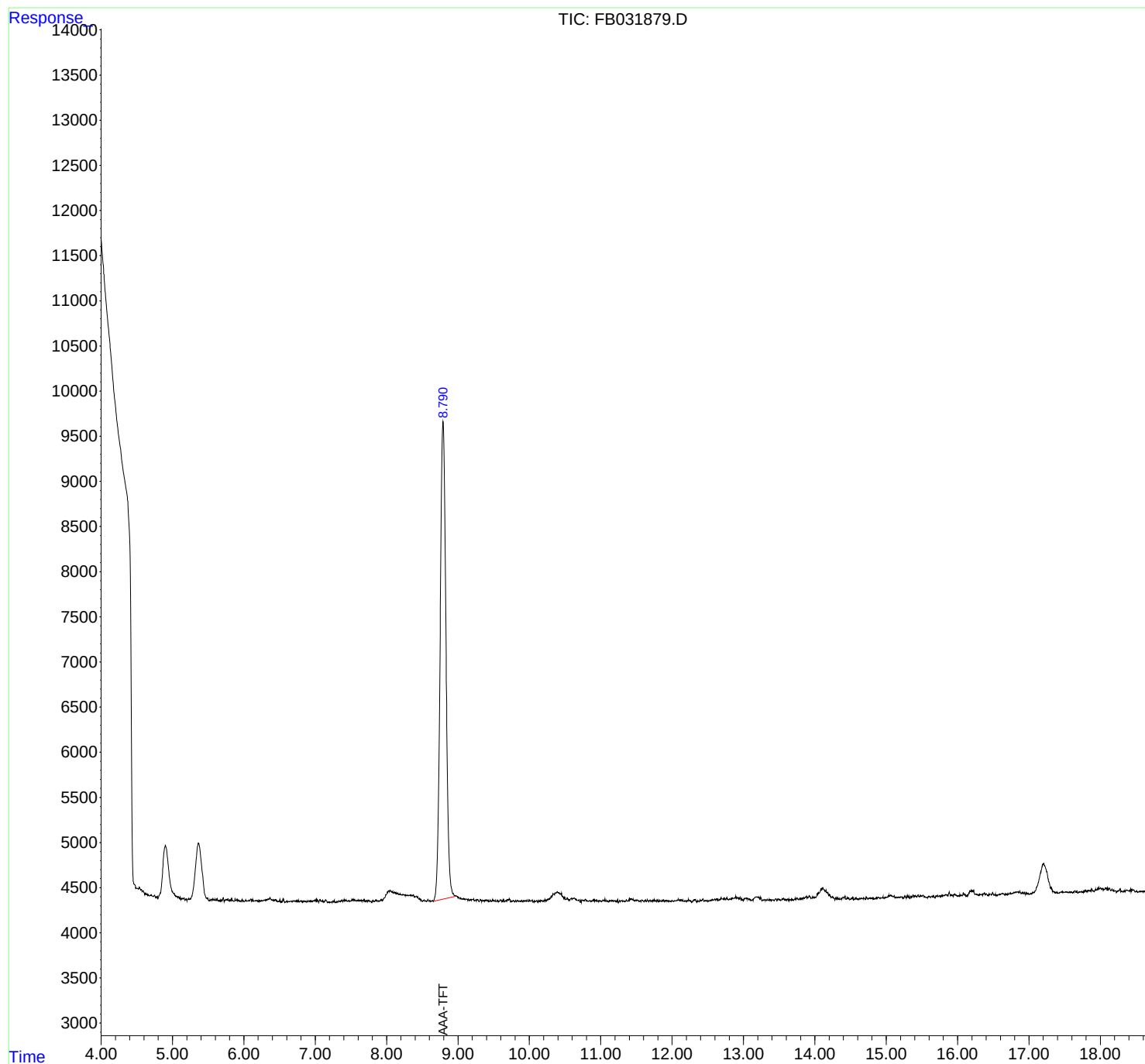
(m)=manual int.

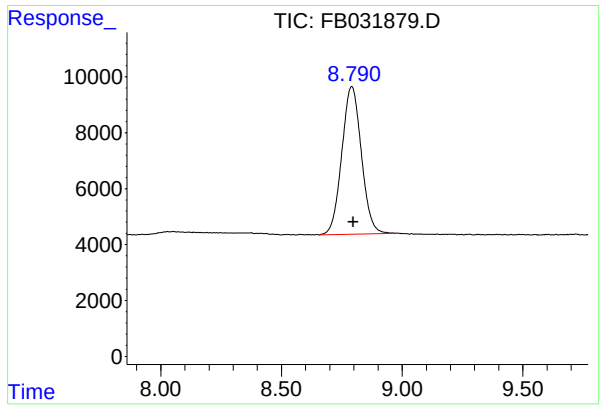
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060425\
Data File : FB031879.D
Signal(s) : FID2B.CH
Acq On : 4 Jun 2025 10:47
Operator : YP/AJ
Sample : VBF0604S2 50X
Misc : 5.00G/5.00 ML MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0604S2

Integration File: Calibration.e
Quant Time: Jun 05 01:29:20 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.: 8.792 min
Delta R.T.: -0.006 min
Response: 297387
Conc: 24.37 ng/ml

Instrument :
FID_B
ClientSampleId :
VBF0604S2

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060425\
Data File : FB031879.D
Signal(s) : FID2B.CH
Acq On : 4 Jun 2025 10:47
Sample : VBF0604S2 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	8.792	8.655	8.974	PV	5284	297387	100.00%	100.000%
Sum of corrected areas:						297387		

FB053025.M Thu Jun 05 01:58:11 2025

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	BSF0603S1	SDG No.:	Q2176
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

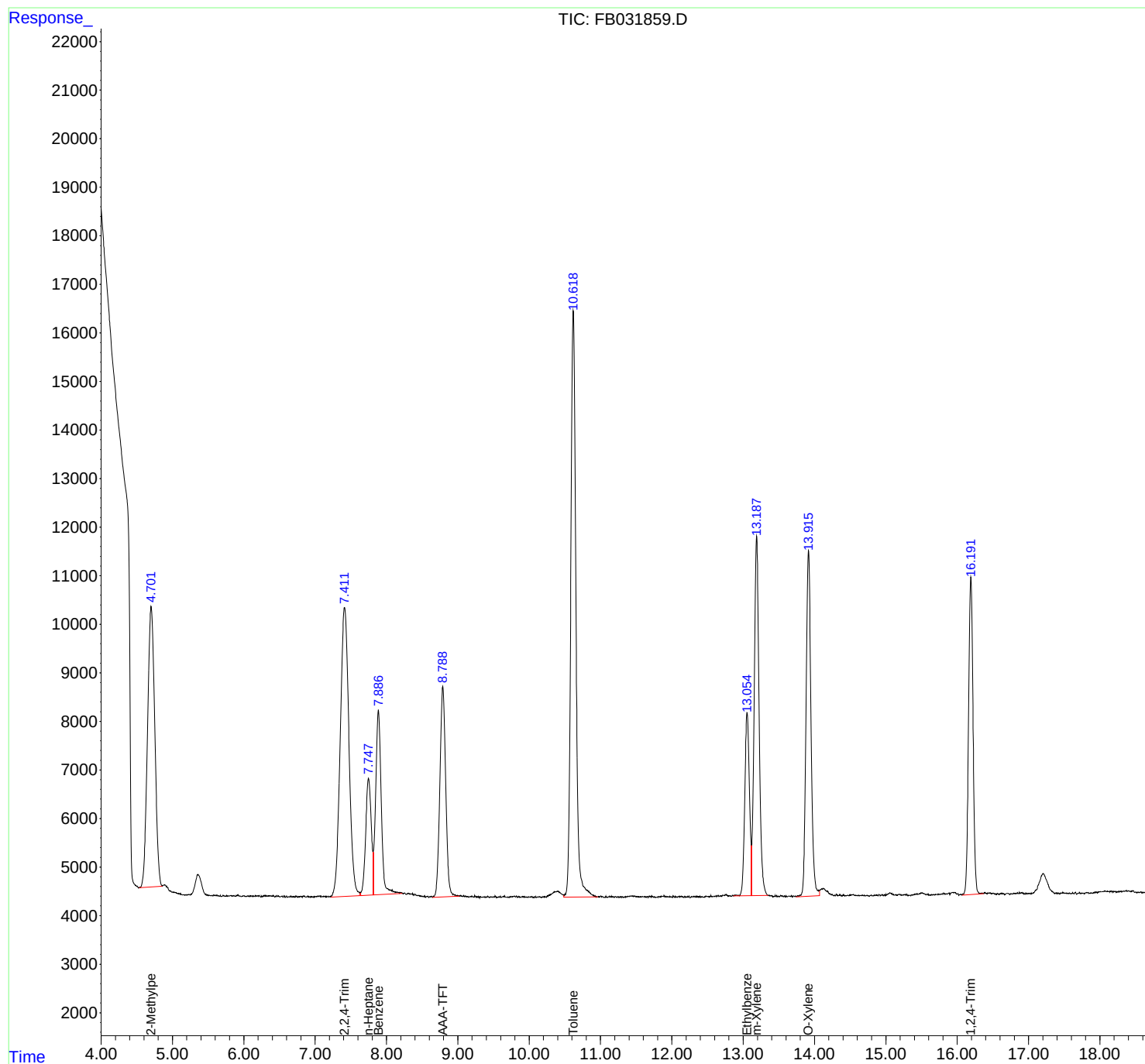
(m)=manual int.

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:	BSF0604S1	SDG No.:	Q2176
Lab Sample ID:	BSF0604S1	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
FB031880.D	1	06/04/25 11:14	FB060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	188		8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	23.1		50 - 150	116%	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\FB060425\
 Data File : FB031880.D
 Signal(s) : FID2B.CH
 Acq On : 4 Jun 2025 11:14
 Operator : YP/AJ
 Sample : BSF0604S1
 Misc : 5.00G/5.00 ML DI WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 FID_B
 ClientSampleId :
 BSF0604S1

Integration File: Calibration.e
 Quant Time: Jun 05 01:29:28 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	281979	23.108 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.706	428077	25.138 ng/ml
2) t 2,2,4-Trimethylpentane	7.417	532449	25.881 ng/ml
3) t n-Heptane	7.751	136170	7.962 ng/ml
4) t Benzene	7.889	221213	11.128 ng/ml
6) t Toluene	10.620	644940	34.297 ng/ml
7) t Ethylbenzene	13.056	189926	12.458 ng/ml
8) t m-Xylene	13.189	395096	23.133 ng/ml
9) t O-Xylene	13.916	376563	23.751 ng/ml
10) t 1,2,4-Trimethylbenzene	16.192	314871	27.290 ng/ml

(f)=RT Delta > 1/2 Window

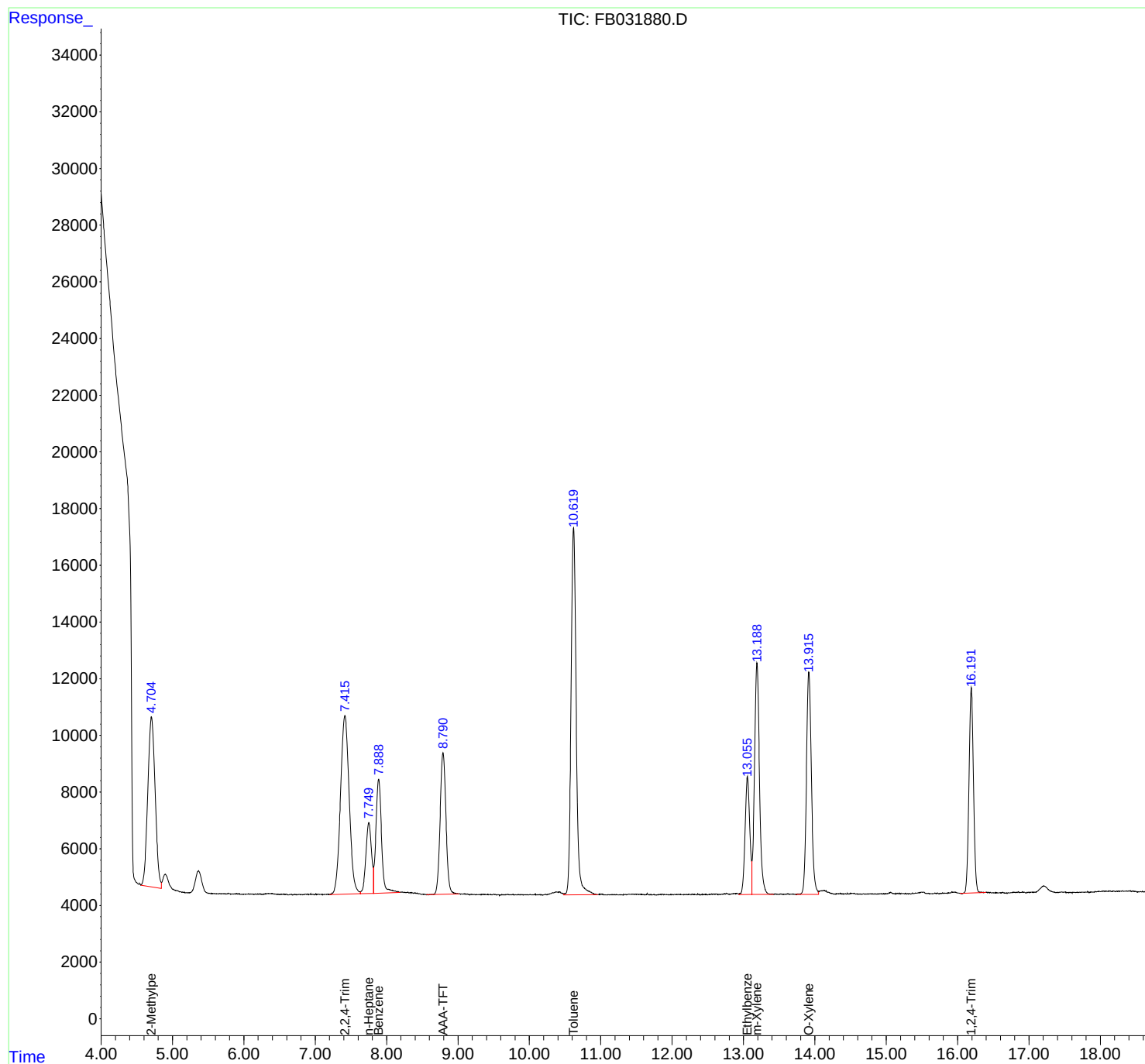
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060425\
Data File : FB031880.D
Signal(s) : FID2B.CH
Acq On : 4 Jun 2025 11:14
Operator : YP/AJ
Sample : BSF0604S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0604S1

Integration File: Calibration.e
Quant Time: Jun 05 01:29:28 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\FB060425\
Data File : FB031880.D
Signal(s) : FID2B.CH
Acq On : 4 Jun 2025 11:14
Sample : BSF0604S1
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	4.706	4.559	4.845	PV	5997	428077	66.37%	12.157%
2	7.417	7.198	7.633	BV	6307	532449	82.56%	15.121%
3	7.751	7.633	7.816	VV	2502	136170	21.11%	3.867%
4	7.889	7.816	8.189	VV	4024	221213	34.30%	6.282%
5	8.791	8.562	9.016	BV	4987	281979	43.72%	8.008%
6	10.620	10.482	10.961	VV	12953	644940	100.00%	18.315%
7	13.056	12.937	13.117	VV	4157	189926	29.45%	5.394%
8	13.189	13.117	13.422	VV	8170	395096	61.26%	11.220%
9	13.916	13.728	14.053	BV	7851	376563	58.39%	10.694%
10	16.192	16.032	16.401	BBA	7238	314871	48.82%	8.942%

Sum of corrected areas: 3521284

FB053025.M Thu Jun 05 01:59:19 2025

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	BSF0603S2	SDG No.:	Q2176
Lab Sample ID:	BSF0603S2	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
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

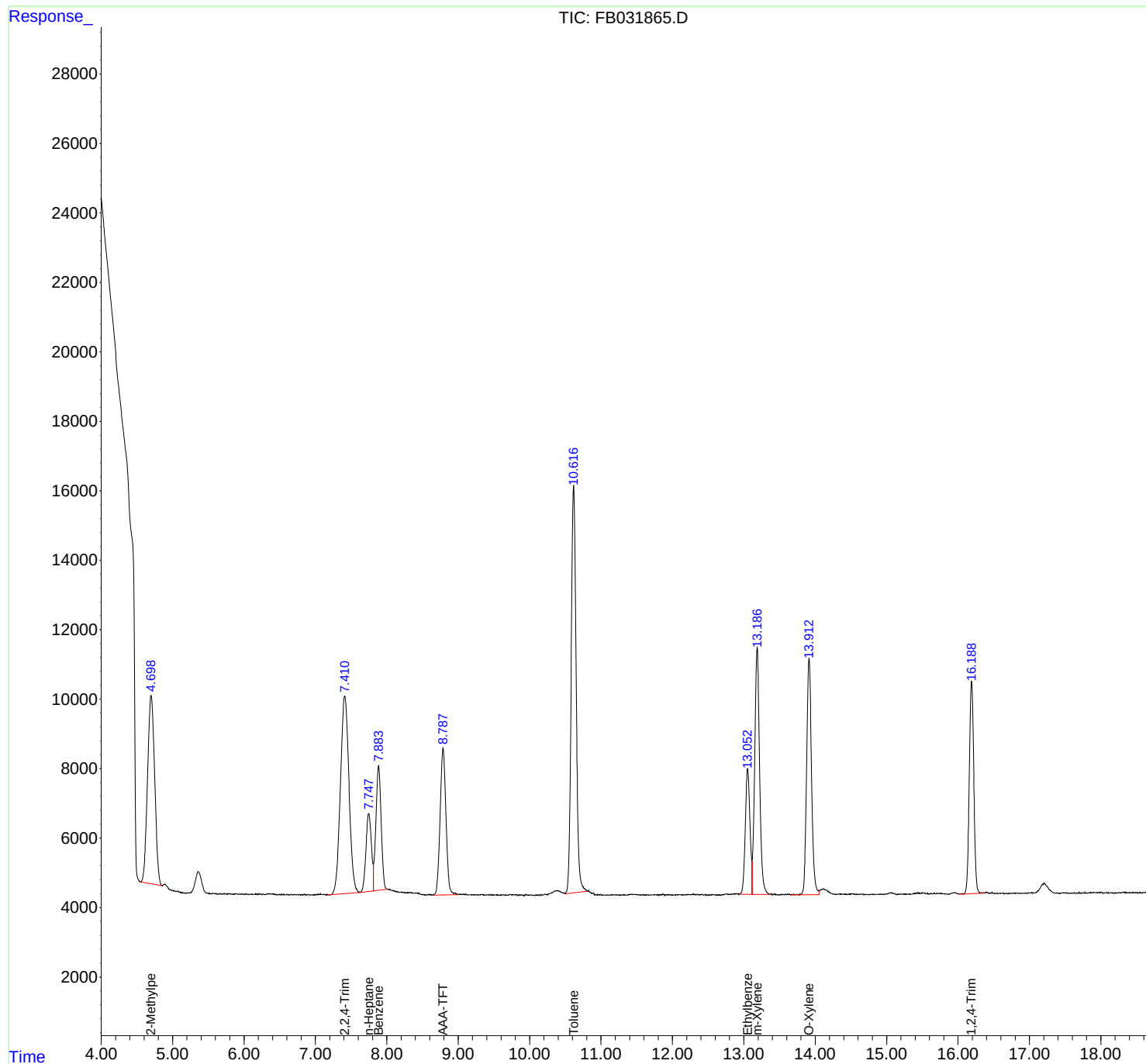
(m)=manual int.

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	BSF0604S2	SDG No.:	Q2176
Lab Sample ID:	BSF0604S2	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
		PH :	
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031885.D	1	06/04/25 13:44	FB060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	205		8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	21.7		50 - 150	109%	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\FB060425\
 Data File : FB031885.D
 Signal(s) : FID2B.CH
 Acq On : 4 Jun 2025 13:44
 Operator : YP/AJ
 Sample : BSF0604S2
 Misc : 5.00G/5.00 ML DI WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_B
 ClientSampleId :
 BSF0604S2

Integration File: Calibration.e
 Quant Time: Jun 05 01:30:12 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	265062	21.722 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.706	452992	26.601 ng/ml
2) t 2,2,4-Trimethylpentane	7.418	577213	28.057 ng/ml
3) t n-Heptane	7.753	140803	8.233 ng/ml
4) t Benzene	7.889	227894	11.464 ng/ml
6) t Toluene	10.621	712868	37.910 ng/ml
7) t Ethylbenzene	13.057	212328	13.927 ng/ml
8) t m-Xylene	13.190	442573	25.912 ng/ml
9) t O-Xylene	13.918	413331	26.070 ng/ml
10) t 1,2,4-Trimethylbenzene	16.193	359393	31.149 ng/ml

(f)=RT Delta > 1/2 Window

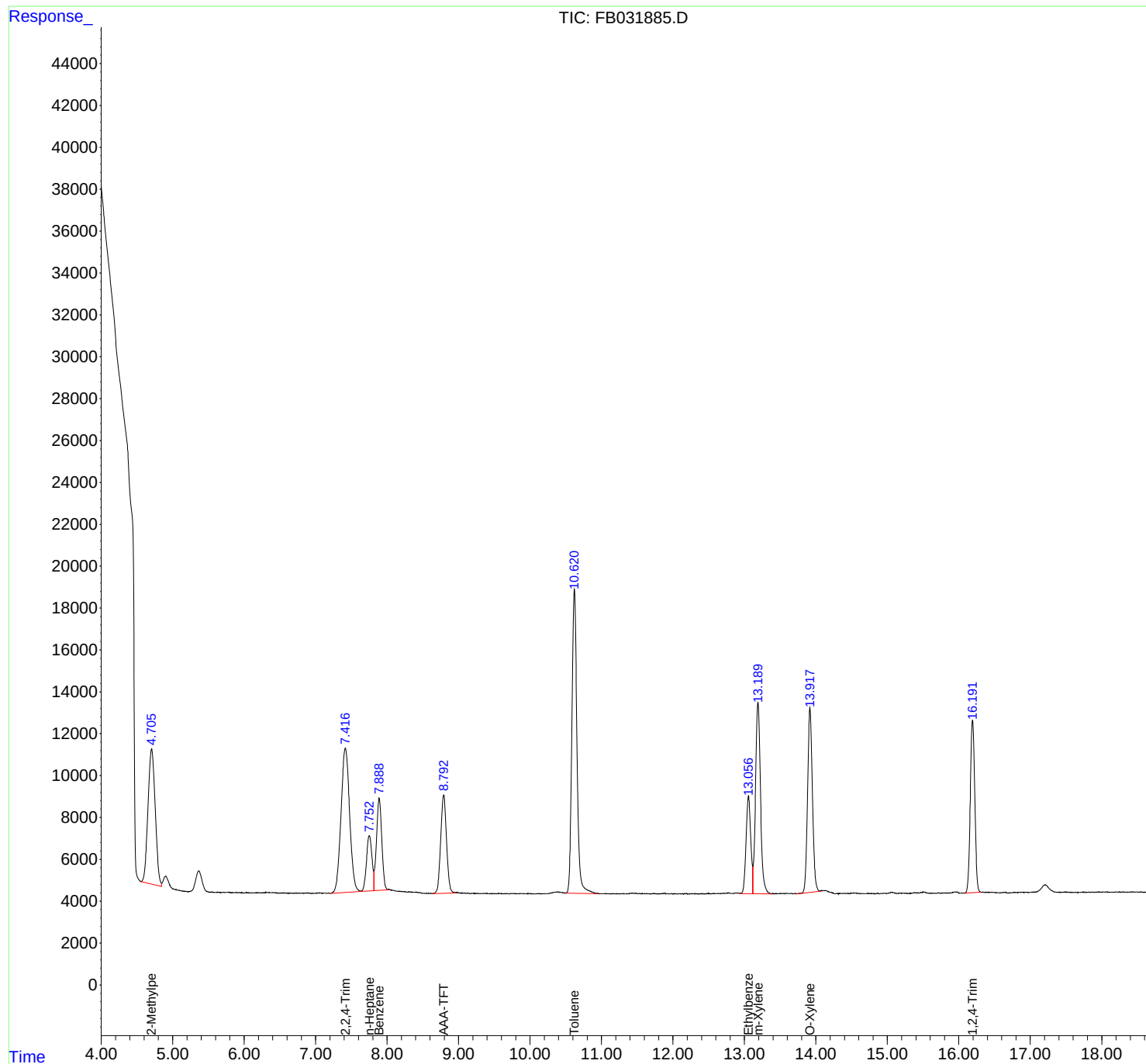
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB060425\
Data File : FB031885.D
Signal(s) : FID2B.CH
Acq On : 4 Jun 2025 13:44
Operator : YP/AJ
Sample : BSF0604S2
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0604S2

Integration File: Calibration.e
Quant Time: Jun 05 01:30:12 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\FB060425\
Data File : FB031885.D
Signal(s) : FID2B.CH
Acq On : 4 Jun 2025 13:44
Sample : BSF0604S2
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 3 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\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	4.706	4.554	4.844	BV	6467	452992	63.54%	11.907%
2	7.418	7.208	7.633	PV	6901	577213	80.97%	15.172%
3	7.753	7.633	7.817	VV	2640	140803	19.75%	3.701%
4	7.889	7.817	8.032	VV	4420	227894	31.97%	5.990%
5	8.793	8.631	8.965	PV	4702	265062	37.18%	6.967%
6	10.621	10.507	10.939	BV	14500	712868	100.00%	18.738%
7	13.057	12.935	13.118	VV	4676	212328	29.79%	5.581%
8	13.190	13.118	13.385	VV	9136	442573	62.08%	11.633%
9	13.918	13.733	14.065	BV	8807	413331	57.98%	10.864%
10	16.193	16.074	16.313	BV	8235	359393	50.42%	9.447%

Sum of corrected areas: 3804456

FB053025.M Thu Jun 05 02:00:08 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
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

Manual Integration Report

Sample ID	ClientID ID	File ID	Sequence ID	Parameter	Supervised By	Supervised On	Reason
Q2126-09		FB031889.D	FB060425	2,2,4-Trimethylpentane	 	 	Peak Integrated by Software incorrectly
Q2126-09		FB031889.D	FB060425	n-Heptane	 	 	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 # 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	Not 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 # FB060425

Review By	yogesh	Review On	6/4/2025 10:57:57 AM
Supervise By		Supervise On	
SubDirectory	FB060425	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	PP24618,PP24619,PP24620		
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	FB031877.D	4 Jun 2025 9:36	YP/AJ	Ok
2	VB0604S1	FB031878.D	4 Jun 2025 10:19	YP/AJ	Ok
3	VB0604S2	FB031879.D	4 Jun 2025 10:47	YP/AJ	Ok
4	BSF0604S1	FB031880.D	4 Jun 2025 11:14	YP/AJ	Ok
5	Q2176-01	FB031881.D	4 Jun 2025 11:42	YP/AJ	Not Ok
6	Q2176-08	FB031882.D	4 Jun 2025 12:10	YP/AJ	Not Ok
7	Q2176-01	FB031883.D	4 Jun 2025 12:48	YP/AJ	Ok
8	Q2176-08	FB031884.D	4 Jun 2025 13:16	YP/AJ	Ok
9	BSF0604S2	FB031885.D	4 Jun 2025 13:44	YP/AJ	Ok
10	20 PPB GRO STD	FB031886.D	4 Jun 2025 14:11	YP/AJ	Ok
11	VB0604W1	FB031887.D	4 Jun 2025 15:07	YP/AJ	Ok
12	BSF0604W1	FB031888.D	4 Jun 2025 15:35	YP/AJ	Ok
13	Q2126-09	FB031889.D	4 Jun 2025 16:02	YP/AJ	Ok,NS
14	BSF0604W2	FB031890.D	4 Jun 2025 16:42	YP/AJ	Ok
15	20 PPB GRO STD	FB031891.D	4 Jun 2025 17:41	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 # 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,not required	YP/AJ	Not 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

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QC Batch ID # FB060425

Review By	yogesh	Review On	6/4/2025 10:57:57 AM
Supervise By		Supervise On	
SubDirectory	FB060425	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	PP24618,PP24619,PP24620		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24111,PP24611		

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	20 PPB GRO STD		FB031877.D	4 Jun 2025 9:36		YP/AJ	Ok
2	VBF0604S1		FB031878.D	4 Jun 2025 10:19		YP/AJ	Ok
3	VBF0604S2		FB031879.D	4 Jun 2025 10:47		YP/AJ	Ok
4	BSF0604S1		FB031880.D	4 Jun 2025 11:14		YP/AJ	Ok
5	Q2176-01		FB031881.D	4 Jun 2025 11:42	Vial-B, Not Purged	YP/AJ	Not Ok
6	Q2176-08		FB031882.D	4 Jun 2025 12:10	Vial-B, Not Purged	YP/AJ	Not Ok
7	Q2176-01		FB031883.D	4 Jun 2025 12:48	Vial-C	YP/AJ	Ok
8	Q2176-08		FB031884.D	4 Jun 2025 13:16	Vial-C	YP/AJ	Ok
9	BSF0604S2		FB031885.D	4 Jun 2025 13:44		YP/AJ	Ok
10	20 PPB GRO STD		FB031886.D	4 Jun 2025 14:11		YP/AJ	Ok
11	VBF0604W1		FB031887.D	4 Jun 2025 15:07		YP/AJ	Ok
12	BSF0604W1		FB031888.D	4 Jun 2025 15:35		YP/AJ	Ok
13	Q2126-09		FB031889.D	4 Jun 2025 16:02	Vial- A	YP/AJ	Ok,NS
14	BSF0604W2		FB031890.D	4 Jun 2025 16:42		YP/AJ	Ok
15	20 PPB GRO STD		FB031891.D	4 Jun 2025 17:41		YP/AJ	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: Sohil
Analyst: jignesh
Date: 6/3/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:10
In Date: 06/02/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:15
Out Date: 06/03/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135973

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
Q2125-07	GSB3	25	1.14	10.44	11.58	10.36	88.3	
Q2167-01	52225	1	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2168-01	SAN-A1-A3	2	1.15	10.00	11.15	11.1	99.5	
Q2168-03	A3	3	1.19	10.12	11.31	11.27	99.6	
Q2168-05	SAN-B1-B3	4	1.19	10.16	11.35	11.31	99.6	
Q2168-07	B3	5	1.16	10.33	11.49	11.44	99.5	
Q2168-09	SAN-C1-C2	6	1.13	10.24	11.37	11.3	99.3	
Q2168-11	C2	7	1.17	10.38	11.55	11.31	97.7	
Q2171-01	5-28-25-A	8	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2171-02	5-28-25-B	9	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2171-03	51925	10	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2175-01	32525	11	1.00	1.00	2.00	2.00	100.0	debris
Q2175-02	52725	12	1.00	1.00	2.00	2.00	100.0	oil sample
Q2176-01	TP-46	13	1.19	10.63	11.82	10.09	83.7	
Q2176-02	TP-56	14	1.15	10.59	11.74	10.28	86.2	
Q2176-03	TP-25	15	1.16	10.29	11.45	9.98	85.7	
Q2176-04	TP-26	16	1.12	10.84	11.96	10.36	85.2	
Q2176-05	TP-28	17	1.18	10.51	11.69	10.69	90.5	
Q2176-06	TP-27	18	1.18	10.12	11.3	9.59	83.1	
Q2176-07	TP-31	19	1.18	10.64	11.82	10.42	86.8	
Q2176-08	TP-65	20	1.19	10.27	11.46	10.16	87.3	
Q2177-01	B-187-SB00	21	1.17	10.43	11.6	10.47	89.2	
Q2177-02	B-187-SB01	22	1.16	10.50	11.66	10.00	84.2	
Q2177-04	B-187-SB02	23	1.17	10.55	11.72	7.8	62.8	
Q2177-06	B-202-SB01	24	1.19	10.41	11.6	10.08	85.4	
Q2178-01	RT2929	26	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
Q2179-01	D3	27	1.15	9.96	11.11	10.47	93.6	
Q2179-02	D4	28	1.19	10.03	11.22	10.38	91.6	

PERCENT SOLID

Supervisor: Sohil
Analyst: jignesh
Date: 6/3/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:10
In Date: 06/02/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:15
Out Date: 06/03/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135973

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
Q2179-03	D5	29	1.18	10.26	11.44	10.8	93.8	
Q2179-04	D6	30	1.16	10.80	11.96	11.54	96.1	
Q2183-01	BC205321-3-1	31	1.00	1.00	2.00	2.00	100.0	oilc
Q2183-02	BC205321-3-2	32	1.00	1.00	2.00	2.00	100.0	oilc
Q2183-03	BC205321-4-1	33	1.00	1.00	2.00	2.00	100.0	oilc
Q2183-04	BC205321-4-2	34	1.00	1.00	2.00	2.00	100.0	oilc
Q2183-05	BC205321-5-1	35	1.00	1.00	2.00	2.00	100.0	oilc
Q2183-06	BC205321-5-2	36	1.00	1.00	2.00	2.00	100.0	oilc
Q2183-07	BC205321-6-1	37	1.00	1.00	2.00	2.00	100.0	oilc
Q2183-08	BC205321-6-2	38	1.00	1.00	2.00	2.00	100.0	oilc
Q2184-01	245F54-1-1	39	1.00	1.00	2.00	2.00	100.0	oilc
Q2184-02	245F54-1-2	40	1.00	1.00	2.00	2.00	100.0	oilc
Q2184-03	BC226595-1-1	41	1.00	1.00	2.00	2.00	100.0	oilc
Q2184-04	BC226595-1-2	42	1.00	1.00	2.00	2.00	100.0	oilc
Q2185-01	TP02-MHB-WC	43	1.15	10.68	11.83	10.28	85.5	
Q2185-02	TP02-MHB-VOC	44	1.13	10.62	11.75	10.58	89.0	
Q2185-03	TP02-MHB-EPH	45	1.15	10.26	11.41	10.00	86.3	
Q2185-05	TP01-MHB-WC	46	1.18	10.69	11.87	10.57	87.8	
Q2185-06	TP01-MHB-VOC	47	1.19	10.76	11.95	10.84	89.7	
Q2185-07	TP01-MHB-EPH	48	1.19	10.25	11.44	10.28	88.7	

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

WORKLIST(Hardcopy Internal Chain)

8735973

WorkList Name : %1-060225

WorkList ID : 189853

Department : Wet-Chemistry

Date : 06-02-2025 08:16:03

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2125-07	GSB3	Solid	Percent Solids	Cool 4 deg C	GENV01	L31	05/23/2025	Chemtech -SO
Q2167-01	52225	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2168-01	SAN-A1-A3	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2168-03	A3	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2168-05	SAN-B1-B3	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2168-07	B3	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2168-09	SAN-C1-C2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2168-11	C2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2171-01	5-28-25-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2171-02	5-28-25-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2171-03	51925	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2175-01	32525	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2175-02	52725	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2176-01	TP-46	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2176-02	TP-56	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/28/2025	Chemtech -SO
Q2176-03	TP-25	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/29/2025	Chemtech -SO
Q2176-04	TP-26	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/29/2025	Chemtech -SO
Q2176-05	TP-28	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/29/2025	Chemtech -SO
Q2176-06	TP-27	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/29/2025	Chemtech -SO
Q2176-07	TP-31	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/29/2025	Chemtech -SO
Q2176-08	TP-65	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/30/2025	Chemtech -SO

Date/Time 06/02/25 15:13
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

Date/Time 06/02/25 17:25
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

135913

WorkList Name : %1-060225 WorkList ID : 189853 Department : Wet-Chemistry Date : 06-02-2025 08:16:03

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2177-01	B-187-SB00	Solid	Percent Solids	Cool 4 deg C	PORT06	L41	05/31/2025	Chemtech -SO
Q2177-02	B-187-SB01	Solid	Percent Solids	Cool 4 deg C	PORT06	L41	05/31/2025	Chemtech -SO
Q2177-04	B-187-SB02	Solid	Percent Solids	Cool 4 deg C	PORT06	L41	05/31/2025	Chemtech -SO
Q2177-06	B-202-SB01	Solid	Percent Solids	Cool 4 deg C	PORT06	L41	05/31/2025	Chemtech -SO
Q2178-01	RT2929	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	06/02/2025	Chemtech -SO
Q2179-01	D3	Solid	Percent Solids	Cool 4 deg C	GENV01	N11	06/02/2025	Chemtech -SO
Q2179-02	D4	Solid	Percent Solids	Cool 4 deg C	GENV01	N11	06/02/2025	Chemtech -SO
Q2179-03	D5	Solid	Percent Solids	Cool 4 deg C	GENV01	N11	06/02/2025	Chemtech -SO
Q2179-04	D6	Solid	Percent Solids	Cool 4 deg C	GENV01	N11	06/02/2025	Chemtech -SO
Q2183-01	BC205321-3-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2183-02	BC205321-3-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2183-03	BC205321-4-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2183-04	BC205321-4-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2183-05	BC205321-5-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2183-06	BC205321-5-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2183-07	BC205321-6-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2183-08	BC205321-6-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2184-01	245F54-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2184-02	245F54-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2184-03	BC226595-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2184-04	BC226595-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO

Date/Time 06/02/25 Date/Time 06/02/25
 Raw Sample Received by: SPW Raw Sample Received by: SPW
 Raw Sample Relinquished by: SPW Raw Sample Relinquished by: SPW

WORKLIST(Hardcopy Internal Chain)

135973

WorkList Name : %1-060225

WorkList ID : 189853

Department : Wet-Chemistry

Date : 06-02-2025 08:16:03

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2185-01	TP02-MHB-WC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	06/02/2025	Chemtech -SO
Q2185-02	TP02-MHB-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	06/02/2025	Chemtech -SO
Q2185-03	TP02-MHB-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	06/02/2025	Chemtech -SO
Q2185-05	TP01-MHB-WC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	06/02/2025	Chemtech -SO
Q2185-06	TP01-MHB-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	06/02/2025	Chemtech -SO
Q2185-07	TP01-MHB-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	06/02/2025	Chemtech -SO

Date/Time 06/02/25 15:15

Raw Sample Received by: SPW/C

Raw Sample Relinquished by: SPW/C

Date/Time 06/02/25 17:15

Raw Sample Received by: SPW/C

Raw Sample Relinquished by: SPW/C



SHIPPING DOCUMENTS

CLIENT INFORMATION

CLIENT PROJECT INFORMATION

CLIENT BILLING INFORMATION

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

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

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

ANALYSIS

DATA TURNAROUND INFORMATION

DATA DELIVERABLE INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

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

TCL VOC
TCL SVOC
METALS
PCB
PESTICIDE
HERBICIDE
DRO/GRO

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										← Specify Preservatives A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICE F-OTHER
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	TP-46	SOIL		X	5/28/25	1515	6	X	X	X	X	X	X	X			E
2.	TP-56	SOIL		X	5/29/25	0835	6	X	X	X	X	X	X	X			E
3.	TP-25	SOIL		X	5/29/25	0925	6	X	X	X	X	X	X	X			E
4.	TP-26	SOIL		X	5/29/25	1040	6	X	X	X	X	X	X	X			E
5.	TP-28	SOIL		X	5/29/25	1120	6	X	X	X	X	X	X	X			E
6.	TP-27	SOIL		X	5/29/25	1200	6	X	X	X	X	X	X	X			E
7.	TP-31	SOIL		X	5/29/25	1340	6	X	X	X	X	X	X	X			E
8.	TP-65	SOIL		X	5/30/25	1405	6	X	X	X	X	X	X	X			E
9.																	
10.																	

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

RELINQUISHED BY SAMPLER: 1. [Signature]	DATE/TIME: 5/30/25 1600	RECEIVED BY: 1. [Signature]	1600	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.1 °C
RELINQUISHED BY SAMPLER: 2. [Signature]	DATE/TIME:	RECEIVED BY: 2. [Signature]	5:30 25	Comments:
RELINQUISHED BY SAMPLER: 3. [Signature]	DATE/TIME: 1653 5-30-25	RECEIVED BY: 3. [Signature]		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 : Q2176 CAMP02

Order Date : 5/30/2025 4:04:00 PM

Project Mgr :

Client Name : CDM Smith

Project Name : South River WM Replacem

Report Type : ~~Level 1~~ NJ Reduce

Client Contact : Marcie Ann Encinas

Receive DateTime : 5/30/2025 ~~12:00:00~~ AM

EDD Type : EXCEL NOCLEANUP

Invoice Name : CDM Smith

Purchase Order :

16:43

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
Q2176-01	TP-46	Solid	05/28/2025	15:15	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2176-02	TP-56	Solid	05/29/2025	08:35	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2176-03	TP-25	Solid	05/29/2025	09:25	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2176-04	TP-26	Solid	05/29/2025	10:40	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2176-05	TP-28	Solid	05/29/2025	11:20	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2176-06	TP-27	Solid	05/29/2025	12:00	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2176-07	TP-31	Solid	05/29/2025	13:40	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2176-08	TP-65	Solid	05/30/2025	14:05	VOC-TCLVOA-10		8260D	10 Bus. Days	

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2176	CAMP02	Order Date : 5/30/2025 4:04:00 PM	Project Mgr :
Client Name : CDM Smith		Project Name : South River WM Replacem	Report Type : Level 1 ^{NJ} Reduce
Client Contact : Marcie Ann Encinas		Receive DateTime : 5/30/2025 12:00:00 AM	EDD Type : EXCEL NOCLEANUP
Invoice Name : CDM Smith		Purchase Order : 16:43	Hard Copy Date :
Invoice Contact : Marcie Ann Encinas			Date Signoff :

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

Relinquished By : 
Date / Time : 6/2/25 1125

Received By : 
Date / Time : 6/2/25 1125

Storage Area : VOA Refridgerator Room