

DATA REPORTING QUALIFIERS- ORGANIC

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

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

LAB CHRONICLE

OrderID:	Q2413	OrderDate:	6/24/2025 3:05:00 PM
Client:	CDM Smith	Project:	South River WM Replacement
Contact:	Marcie Ann Encinas	Location:	D41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2413-01	TP-35	SOIL	Gasoline Range Organics	8015D	06/24/25		06/26/25	06/24/25
Q2413-02	TP-34	SOIL	Gasoline Range Organics	8015D	06/24/25		06/26/25	06/24/25
Q2413-03	TP-77	SOIL	Gasoline Range Organics	8015D	06/24/25		06/26/25	06/24/25
Q2413-04	TP-74	SOIL	Gasoline Range Organics	8015D	06/24/25		06/26/25	06/24/25
Q2413-05	TP-73	SOIL	Gasoline Range Organics	8015D	06/24/25		06/26/25	06/24/25
Q2413-06	TP-72	SOIL	Gasoline Range Organics	8015D	06/24/25		06/26/25	06/24/25



QC SUMMARY

SOIL GASOLINE RANGE ORGANICS SURROGATE RECOVERY

Lab Name: Chemtech Client: CDM Smith
Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG No.: Q2413

EPA SAMPLE NO.	S1 AAA-TFT	S2	S3	S4	TOT OUT
VPF0626S1	77				0
VPF0626S2	80				0
BSF0626S1	81				0
TP-35	80				0
TP-34	55				0
TP-77	55				0
TP-74	64				0
BSF0626S2	83				0
TP-73	78				0
TP-72	78				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:** Q2413 **SAS No :** Q2413 **SDG No:** Q2413
Matrix Spike - EPA Sample No : BSF0626S1 **Datafile:** FB031934.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS
GRO	180	0	160	89	50-150

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

Lab Name: Chemtech **Client:** CDM Smith
Lab Code: CHEM **Cas No:** Q2413 **SAS No :** Q2413 **SDG No:** Q2413
Matrix Spike - EPA Sample No : BSF0626S2 **Datafile:** FB031939.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS
GRO	180	0	155	86	50-150

LCS/LCSD % Recovery RPD : 3.2

METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBF0626S1

Lab Name: CHEMTECH

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413

SAS No.: Q2413 SDG NO.: Q2413

Lab File ID: FB031932.D

Lab Sample ID: VBF0626S1

Date Analyzed: 06/26/25

Time Analyzed: 11:15

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
BSF0626S1	BSF0626S1	FB031934.D	06/26/25
TP-35	Q2413-01	FB031935.D	06/26/25
TP-34	Q2413-02	FB031936.D	06/26/25
TP-77	Q2413-03	FB031937.D	06/26/25
TP-74	Q2413-04	FB031938.D	06/26/25
BSF0626S2	BSF0626S2	FB031939.D	06/26/25

COMMENTS: _____

METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBF0626S2

Lab Name: CHEMTECH

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413

SAS No.: Q2413 SDG NO.: Q2413

Lab File ID: FB031933.D

Lab Sample ID: VBF0626S2

Date Analyzed: 06/26/25

Time Analyzed: 11:43

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

Heated Purge: (Y/N) Y

Instrument ID: FB

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
TP-73	Q2413-05	FB031941.D	06/26/25
TP-72	Q2413-06	FB031942.D	06/26/25

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	06/24/25
Project:	South River WM Replacement	Date Received:	06/24/25
Client Sample ID:	TP-35	SDG No.:	Q2413
Lab Sample ID:	Q2413-01	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	88.8
Sample Wt/Vol:	4	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
FB031935.D	1	06/26/25 12:51	FB062625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	13.0	J	12.0	63.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	16.0		50 - 150	80%	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\FB062625\
Data File : FB031935.D
Signal(s) : FID2B.CH
Acq On : 26 Jun 2025 12:51
Operator : YP/AJ
Sample : Q2413-01
Misc : 4.00G/5.00 ML DI WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-35

Integration File: Calibration.e
Quant Time: Jun 27 00:29:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
Quant Title :
QLast Update : Mon Jun 23 13:56:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
5) s AAA-TFT	8.796	247210	16.024 ng/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

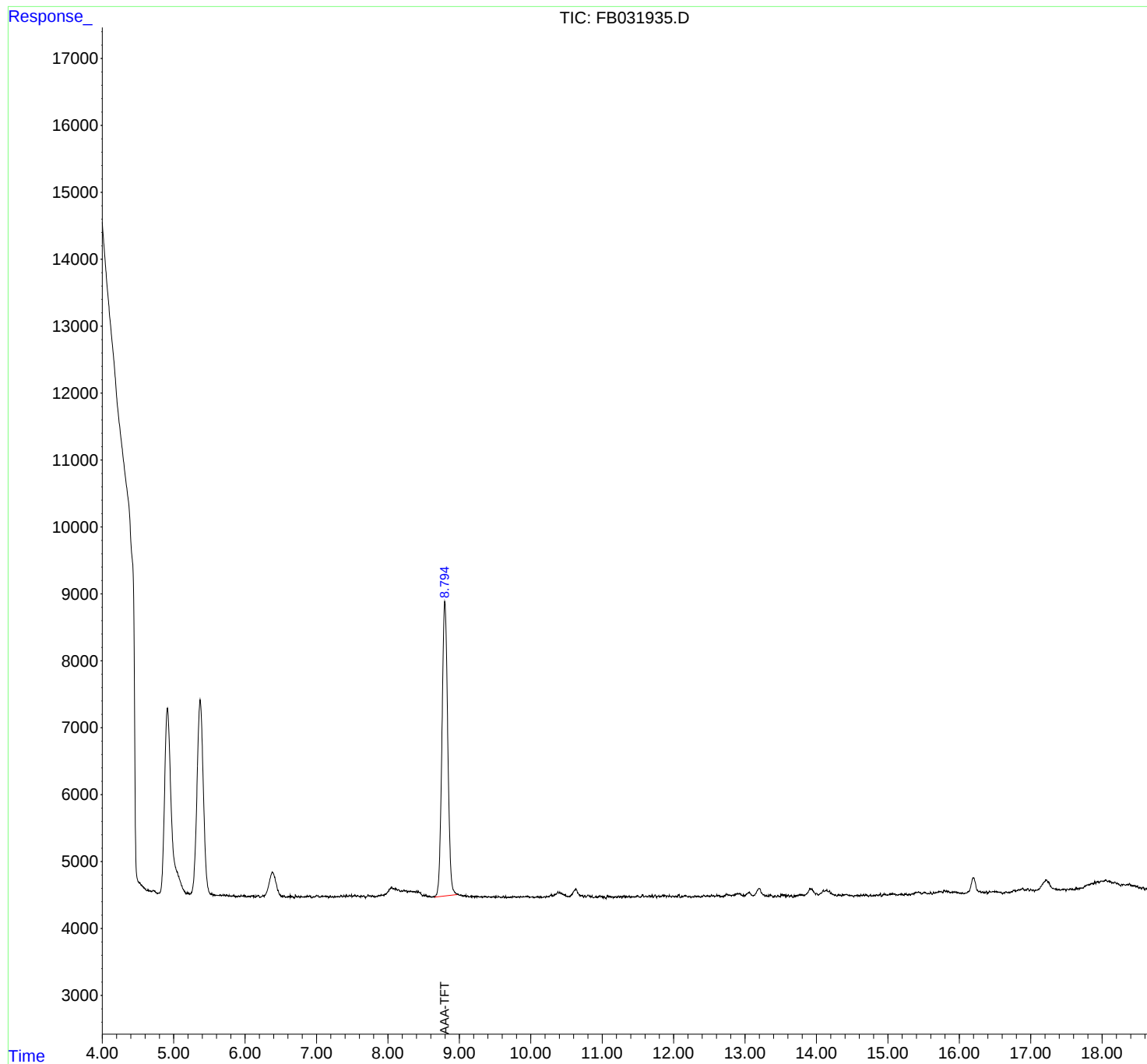
(m)=manual int.

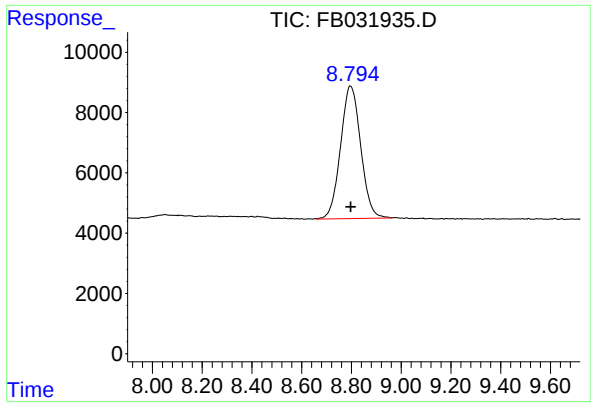
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB062625\
Data File : FB031935.D
Signal(s) : FID2B.CH
Acq On : 26 Jun 2025 12:51
Operator : YP/AJ
Sample : Q2413-01
Misc : 4.00G/5.00 ML DI WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-35

Integration File: Calibration.e
Quant Time: Jun 27 00:29:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
Quant Title :
QLast Update : Mon Jun 23 13:56:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#5 AAA-TFT

R.T.: 8.796 min
Delta R.T.: -0.002 min
Response: 247210
Conc: 16.02 ng/ml

Instrument :
FID_B
ClientSampleId :
TP-35

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB062625\
 Data File : FB031935.D
 Signal(s) : FID2B.CH
 Acq On : 26 Jun 2025 12:51
 Sample : Q2413-01
 Misc : 4.00G/5.00 ML DI WATER
 ALS Vial : 5 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
 Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.668	4.659	4.695	PV	13	163	0.06%	0.031%
2	4.712	4.695	4.733	VV	30	525	0.21%	0.100%
3	4.738	4.733	4.776	VV	32	334	0.13%	0.064%
4	4.794	4.776	4.803	PV	13	126	0.05%	0.024%
5	5.188	5.175	5.228	VV	35	634	0.25%	0.121%
6	5.535	5.524	5.551	VV	38	361	0.14%	0.069%
7	5.562	5.551	5.573	VV	22	199	0.08%	0.038%
8	5.577	5.573	5.598	VV	19	192	0.08%	0.037%
9	5.650	5.598	5.672	VV	26	565	0.22%	0.108%
10	5.694	5.672	5.705	VV	29	305	0.12%	0.058%
11	5.716	5.705	5.729	VV	26	212	0.08%	0.040%
12	5.742	5.729	5.768	VV	30	348	0.14%	0.066%
13	5.779	5.768	5.793	PV	21	148	0.06%	0.028%
14	5.804	5.793	5.812	VV	13	90	0.04%	0.017%
15	5.843	5.812	5.855	VV	22	284	0.11%	0.054%
16	5.862	5.855	5.895	VV	13	91	0.04%	0.017%
17	5.911	5.895	5.926	PV	15	158	0.06%	0.030%
18	5.945	5.926	5.959	VV	28	244	0.10%	0.047%
19	5.981	5.959	6.024	VV	25	551	0.22%	0.105%
20	6.035	6.024	6.058	PV	15	193	0.08%	0.037%
21	6.066	6.058	6.079	VV	16	127	0.05%	0.024%
22	6.099	6.079	6.108	VV	27	310	0.12%	0.059%
23	6.124	6.108	6.142	VV	30	259	0.10%	0.049%
24	6.155	6.142	6.165	VV	21	155	0.06%	0.029%
25	6.183	6.165	6.212	VV	33	503	0.20%	0.096%
26	6.381	6.212	6.540	PV	383	27626	10.84%	5.265%
27	6.549	6.540	6.569	VV	36	397	0.16%	0.076%
28	6.639	6.569	6.647	VV	41	1026	0.40%	0.195%
29	6.657	6.647	6.692	VV	31	478	0.19%	0.091%
30	6.706	6.692	6.733	PV	52	617	0.24%	0.118%
31	6.751	6.733	6.769	VV	30	471	0.18%	0.090%
32	6.778	6.769	6.815	VV	27	563	0.22%	0.107%
33	6.823	6.815	6.831	VV	24	192	0.08%	0.037%
34	6.873	6.831	6.886	VV	36	787	0.31%	0.150%
35	6.909	6.886	6.942	VV	40	775	0.30%	0.148%
36	6.961	6.942	6.970	VV	24	321	0.13%	0.061%

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37	6.998	6.970	7.035	VV	44	1205	0.47%	0.230%
38	7.044	7.035	7.053	VV	25	220	0.09%	0.042%
39	7.080	7.053	7.122	VV	39	1137	0.45%	0.217%
40	7.130	7.122	7.148	VV	38	420	0.16%	0.080%
41	7.158	7.148	7.169	VV	32	315	0.12%	0.060%
42	7.193	7.169	7.207	VV	42	519	0.20%	0.099%
43	7.224	7.207	7.245	VV	30	497	0.20%	0.095%
44	7.256	7.245	7.268	VV	37	349	0.14%	0.067%
45	7.307	7.268	7.324	VV	30	786	0.31%	0.150%
46	7.340	7.324	7.362	VV	39	714	0.28%	0.136%
47	7.384	7.362	7.409	VV	45	836	0.33%	0.159%
48	7.419	7.409	7.445	VV	54	780	0.31%	0.149%
49	7.460	7.445	7.475	VV	49	665	0.26%	0.127%
50	7.490	7.475	7.499	VV	56	562	0.22%	0.107%
51	7.510	7.499	7.517	VV	37	343	0.13%	0.065%
52	7.540	7.517	7.559	VV	50	956	0.38%	0.182%
53	7.580	7.559	7.618	VV	43	1070	0.42%	0.204%
54	7.625	7.618	7.648	VV	38	578	0.23%	0.110%
55	7.661	7.648	7.689	VV	39	682	0.27%	0.130%
56	7.723	7.689	7.746	VV	55	1110	0.44%	0.212%
57	7.756	7.746	7.773	VV	40	539	0.21%	0.103%
58	7.783	7.773	7.800	VV	47	543	0.21%	0.103%
59	7.808	7.800	7.825	VV	34	366	0.14%	0.070%
60	7.906	7.825	7.941	VV	56	2719	1.07%	0.518%
61	7.960	7.941	7.972	VV	67	1049	0.41%	0.200%
62	8.053	7.972	8.108	VV	169	10426	4.09%	1.987%
63	8.115	8.108	8.136	VV	147	2245	0.88%	0.428%
64	8.148	8.136	8.177	VV	129	2892	1.13%	0.551%
65	8.191	8.177	8.212	VV	117	2315	0.91%	0.441%
66	8.225	8.212	8.279	VV	123	4419	1.73%	0.842%
67	8.290	8.279	8.299	VV	107	1255	0.49%	0.239%
68	8.314	8.299	8.359	VV	110	3716	1.46%	0.708%
69	8.366	8.359	8.387	VV	103	1636	0.64%	0.312%
70	8.400	8.387	8.417	VV	111	1746	0.69%	0.333%
71	8.425	8.417	8.503	VV	113	3652	1.43%	0.696%
72	8.508	8.503	8.521	VV	52	438	0.17%	0.083%
73	8.531	8.521	8.578	VV	54	1217	0.48%	0.232%
74	8.584	8.578	8.612	VV	35	521	0.20%	0.099%
75	8.635	8.612	8.644	VV	28	415	0.16%	0.079%
76	8.796	8.644	8.971	VV	4436	254890	100.00%	48.578%
77	8.978	8.971	9.013	VV	68	1407	0.55%	0.268%
78	9.022	9.013	9.038	VV	59	710	0.28%	0.135%
79	9.046	9.038	9.064	VV	49	590	0.23%	0.112%
80	9.090	9.064	9.100	VV	49	827	0.32%	0.158%
81	9.116	9.100	9.145	VV	42	840	0.33%	0.160%
82	9.165	9.145	9.174	VV	37	483	0.19%	0.092%
83	9.182	9.174	9.219	VV	36	775	0.30%	0.148%
84	9.228	9.219	9.234	VV	34	236	0.09%	0.045%
85	9.240	9.234	9.294	VV	38	945	0.37%	0.180%
86	9.307	9.294	9.328	VV	32	481	0.19%	0.092%
87	9.350	9.328	9.358	VV	31	437	0.17%	0.083%
88	9.374	9.358	9.402	VV	32	622	0.24%	0.119%
89	9.410	9.402	9.437	VV	29	509	0.20%	0.097%

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90	9.488	9.437	9.508	VV	34	985	0.39%	0.188%
91	9.514	9.508	9.532	VV	41	333	0.13%	0.064%
92	9.545	9.532	9.553	VV	34	278	0.11%	0.053%
93	9.561	9.553	9.589	VV	27	441	0.17%	0.084%
94	9.618	9.589	9.635	VV	39	635	0.25%	0.121%
95	9.648	9.635	9.658	VV	37	274	0.11%	0.052%
96	9.692	9.658	9.701	VV	22	420	0.16%	0.080%
97	9.710	9.701	9.714	VV	21	131	0.05%	0.025%
98	9.749	9.714	9.757	VV	31	548	0.21%	0.104%
99	9.773	9.757	9.797	VV	32	587	0.23%	0.112%
100	9.829	9.797	9.844	VV	29	638	0.25%	0.122%
101	9.857	9.844	9.868	VV	29	353	0.14%	0.067%
102	9.898	9.868	9.922	VV	29	806	0.32%	0.154%
103	9.933	9.922	9.943	VV	37	371	0.15%	0.071%
104	9.959	9.943	9.982	VV	39	660	0.26%	0.126%
105	9.990	9.982	10.000	VV	23	206	0.08%	0.039%
106	10.029	10.000	10.053	VV	30	641	0.25%	0.122%
107	10.096	10.053	10.119	VV	35	846	0.33%	0.161%
108	10.134	10.119	10.155	VV	37	466	0.18%	0.089%
109	10.198	10.155	10.209	VV	31	676	0.27%	0.129%
110	10.246	10.209	10.254	VV	33	722	0.28%	0.138%
111	10.291	10.254	10.309	VV	59	1383	0.54%	0.263%
112	10.380	10.309	10.397	VV	99	3536	1.39%	0.674%
113	10.408	10.397	10.423	VV	96	1305	0.51%	0.249%
114	10.432	10.423	10.446	VV	84	985	0.39%	0.188%
115	10.454	10.446	10.471	VV	69	913	0.36%	0.174%
116	10.480	10.471	10.495	VV	62	712	0.28%	0.136%
117	10.502	10.495	10.521	VV	38	529	0.21%	0.101%
118	10.530	10.521	10.535	VV	33	257	0.10%	0.049%
119	10.633	10.535	10.697	VV	149	7872	3.09%	1.500%
120	10.708	10.697	10.717	VV	47	541	0.21%	0.103%
121	10.726	10.717	10.739	VV	51	486	0.19%	0.093%
122	10.758	10.739	10.774	VV	51	681	0.27%	0.130%
123	10.802	10.774	10.852	VV	56	1725	0.68%	0.329%
124	10.860	10.852	10.877	VV	43	371	0.15%	0.071%
125	10.906	10.877	10.937	VV	31	730	0.29%	0.139%
126	10.954	10.937	10.961	VV	40	395	0.15%	0.075%
127	10.971	10.961	10.984	VV	48	494	0.19%	0.094%
128	10.995	10.984	11.006	VV	38	371	0.15%	0.071%
129	11.014	11.006	11.022	VV	32	235	0.09%	0.045%
130	11.030	11.022	11.058	VV	35	362	0.14%	0.069%
131	11.077	11.058	11.087	PV	48	550	0.22%	0.105%
132	11.102	11.087	11.156	VV	39	1127	0.44%	0.215%
133	11.165	11.156	11.173	VV	27	195	0.08%	0.037%
134	11.186	11.173	11.205	VV	31	437	0.17%	0.083%
135	11.232	11.205	11.245	VV	40	611	0.24%	0.117%
136	11.254	11.245	11.260	VV	35	223	0.09%	0.042%
137	11.267	11.260	11.292	VV	34	475	0.19%	0.091%
138	11.309	11.292	11.334	VV	48	769	0.30%	0.147%
139	11.348	11.334	11.359	VV	29	362	0.14%	0.069%
140	11.379	11.359	11.392	VV	40	565	0.22%	0.108%
141	11.402	11.392	11.421	VV	25	395	0.15%	0.075%

					rteres			
142	11.435	11.421	11.448	VV	29	386	0.15%	0.073%
143	11.460	11.448	11.470	VV	26	310	0.12%	0.059%
144	11.496	11.470	11.543	VV	38	1204	0.47%	0.229%
145	11.564	11.543	11.587	VV	57	980	0.38%	0.187%
146	11.614	11.587	11.629	VV	38	709	0.28%	0.135%
147	11.661	11.629	11.673	VV	43	795	0.31%	0.152%
148	11.699	11.673	11.719	VV	51	847	0.33%	0.162%
149	11.742	11.719	11.765	VV	54	892	0.35%	0.170%
150	11.794	11.765	11.809	VV	40	740	0.29%	0.141%
151	11.849	11.809	11.871	VV	53	1233	0.48%	0.235%
152	11.880	11.871	11.908	VV	45	784	0.31%	0.149%
153	11.919	11.908	11.933	VV	38	497	0.19%	0.095%
154	11.941	11.933	11.971	VV	45	683	0.27%	0.130%
155	11.987	11.971	12.018	VV	36	746	0.29%	0.142%
156	12.028	12.018	12.041	VV	36	357	0.14%	0.068%
157	12.047	12.041	12.058	VV	32	266	0.10%	0.051%
158	12.077	12.058	12.094	VV	54	755	0.30%	0.144%
159	12.164	12.094	12.202	VV	42	1741	0.68%	0.332%
160	12.218	12.202	12.244	VV	31	530	0.21%	0.101%
161	12.259	12.244	12.267	VV	21	208	0.08%	0.040%
162	12.276	12.267	12.286	VV	27	211	0.08%	0.040%
163	12.299	12.286	12.336	VV	40	733	0.29%	0.140%
164	12.348	12.336	12.357	VV	33	326	0.13%	0.062%
165	12.361	12.357	12.377	VV	25	222	0.09%	0.042%
166	12.395	12.377	12.404	VV	30	313	0.12%	0.060%
167	12.422	12.404	12.452	VV	46	919	0.36%	0.175%
168	12.474	12.452	12.504	VV	37	905	0.36%	0.173%
169	12.532	12.504	12.547	VV	50	818	0.32%	0.156%
170	12.564	12.547	12.576	VV	37	525	0.21%	0.100%
171	12.604	12.576	12.614	VV	45	693	0.27%	0.132%
172	12.632	12.614	12.657	VV	41	816	0.32%	0.156%
173	12.681	12.657	12.697	VV	28	513	0.20%	0.098%
174	12.738	12.697	12.746	VV	63	1125	0.44%	0.214%
175	12.755	12.746	12.773	VV	58	792	0.31%	0.151%
176	12.783	12.773	12.812	VV	45	888	0.35%	0.169%
177	12.821	12.812	12.827	VV	42	330	0.13%	0.063%
178	12.832	12.827	12.844	VV	43	412	0.16%	0.078%
179	12.878	12.844	12.886	VV	61	1293	0.51%	0.246%
180	12.896	12.886	12.909	VV	71	844	0.33%	0.161%
181	12.923	12.909	12.933	VV	69	881	0.35%	0.168%
182	12.937	12.933	12.970	VV	63	970	0.38%	0.185%
183	12.979	12.970	12.988	VV	52	383	0.15%	0.073%
184	12.996	12.988	13.003	VV	36	285	0.11%	0.054%
185	13.064	13.003	13.115	VV	88	3775	1.48%	0.719%
186	13.196	13.115	13.280	VV	141	7643	3.00%	1.457%
187	13.299	13.280	13.308	VV	38	473	0.19%	0.090%
188	13.324	13.308	13.333	VV	39	364	0.14%	0.069%
189	13.346	13.333	13.400	VV	46	1118	0.44%	0.213%
190	13.420	13.400	13.441	VV	36	463	0.18%	0.088%
191	13.460	13.441	13.475	VV	35	460	0.18%	0.088%
192	13.486	13.475	13.493	VV	21	202	0.08%	0.038%
193	13.504	13.493	13.544	VV	45	1153	0.45%	0.220%
194	13.551	13.544	13.583	VV	44	736	0.29%	0.140%

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195	13.592	13.583	13.600	VV	30	261	0.10%	0.050%	
196	13.607	13.600	13.622	VV	46	413	0.16%	0.079%	
197	13.654	13.622	13.672	VV	32	661	0.26%	0.126%	
198	13.687	13.672	13.694	PV	28	190	0.07%	0.036%	
199	13.769	13.694	13.814	VV	45	2382	0.93%	0.454%	
200	13.923	13.814	14.027	VV	135	9286	3.64%	1.770%	
201	14.095	14.027	14.110	VV	101	3308	1.30%	0.630%	
202	14.145	14.110	14.169	VV	98	3271	1.28%	0.623%	
203	14.183	14.169	14.287	VV	98	3323	1.30%	0.633%	
204	14.311	14.287	14.354	VV	37	963	0.38%	0.184%	
205	14.368	14.354	14.382	VV	35	478	0.19%	0.091%	
206	14.422	14.382	14.523	VV	35	2010	0.79%	0.383%	
207	14.568	14.523	14.599	PV	26	714	0.28%	0.136%	
208	14.622	14.599	14.642	VV	29	451	0.18%	0.086%	
209	14.660	14.642	14.677	VV	33	411	0.16%	0.078%	
210	14.691	14.677	14.730	VV	24	559	0.22%	0.107%	
211	14.755	14.730	14.788	PV	24	366	0.14%	0.070%	
212	14.844	14.788	14.869	VV	26	657	0.26%	0.125%	
213	14.896	14.869	14.922	VV	46	570	0.22%	0.109%	
214	14.950	14.922	15.002	VV	34	1007	0.40%	0.192%	
215	15.043	15.002	15.139	VV	43	2006	0.79%	0.382%	
216	15.202	15.139	15.228	VV	29	937	0.37%	0.179%	
217	15.256	15.228	15.280	VV	27	595	0.23%	0.113%	
218	15.298	15.280	15.317	VV	26	351	0.14%	0.067%	
219	15.431	15.317	15.478	VV	56	3482	1.37%	0.664%	
220	15.512	15.478	15.561	VV	49	1670	0.66%	0.318%	
221	15.602	15.561	15.622	VV	43	1014	0.40%	0.193%	
222	15.716	15.622	15.737	VV	57	2716	1.07%	0.518%	
223	15.747	15.737	15.767	VV	56	827	0.32%	0.158%	
224	15.790	15.767	15.812	VV	65	1524	0.60%	0.291%	
225	15.823	15.812	15.882	VV	58	1991	0.78%	0.379%	
226	15.905	15.882	16.035	VV	45	3009	1.18%	0.574%	
227	16.043	16.035	16.063	VV	31	341	0.13%	0.065%	
228	16.200	16.063	16.275	VV	244	12721	4.99%	2.425%	
229	16.292	16.275	16.313	VV	47	883	0.35%	0.168%	
230	16.326	16.313	16.361	VV	35	728	0.29%	0.139%	
231	16.379	16.361	16.400	VV	47	647	0.25%	0.123%	
232	16.423	16.400	16.445	VV	44	819	0.32%	0.156%	
233	16.475	16.445	16.491	VV	38	945	0.37%	0.180%	
234	16.516	16.491	16.604	VV	33	1721	0.68%	0.328%	
235	16.655	16.604	16.714	PV	27	907	0.36%	0.173%	
236	16.762	16.714	16.795	VV	40	1357	0.53%	0.259%	
237	16.834	16.795	16.851	VV	49	1233	0.48%	0.235%	
238	16.887	16.851	16.931	VV	62	2133	0.84%	0.407%	
239	16.960	16.931	16.982	VV	50	1126	0.44%	0.215%	
240	17.000	16.982	17.024	VV	36	637	0.25%	0.121%	
241	17.037	17.024	17.053	VV	25	301	0.12%	0.057%	
			Sum of corrected areas:				524698		

Report of Analysis

Client:	CDM Smith	Date Collected:	06/24/25
Project:	South River WM Replacement	Date Received:	06/24/25
Client Sample ID:	TP-34	SDG No.:	Q2413
Lab Sample ID:	Q2413-02	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	92
Sample Wt/Vol:	4.6	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
FB031936.D	1	06/26/25 13:36	FB062625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	10.0	U	10.0	53.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	11.1		50 - 150	55%	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\FB062625\
Data File : FB031936.D
Signal(s) : FID2B.CH
Acq On : 26 Jun 2025 13:36
Operator : YP/AJ
Sample : Q2413-02
Misc : 4.60G/5.00 ML DI WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-34

Integration File: Calibration.e
Quant Time: Jun 27 00:30:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
Quant Title :
QLast Update : Mon Jun 23 13:56:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
5) s AAA-TFT	8.796	170694	11.064 ng/mlm
Target Compounds			

(f)=RT Delta > 1/2 Window

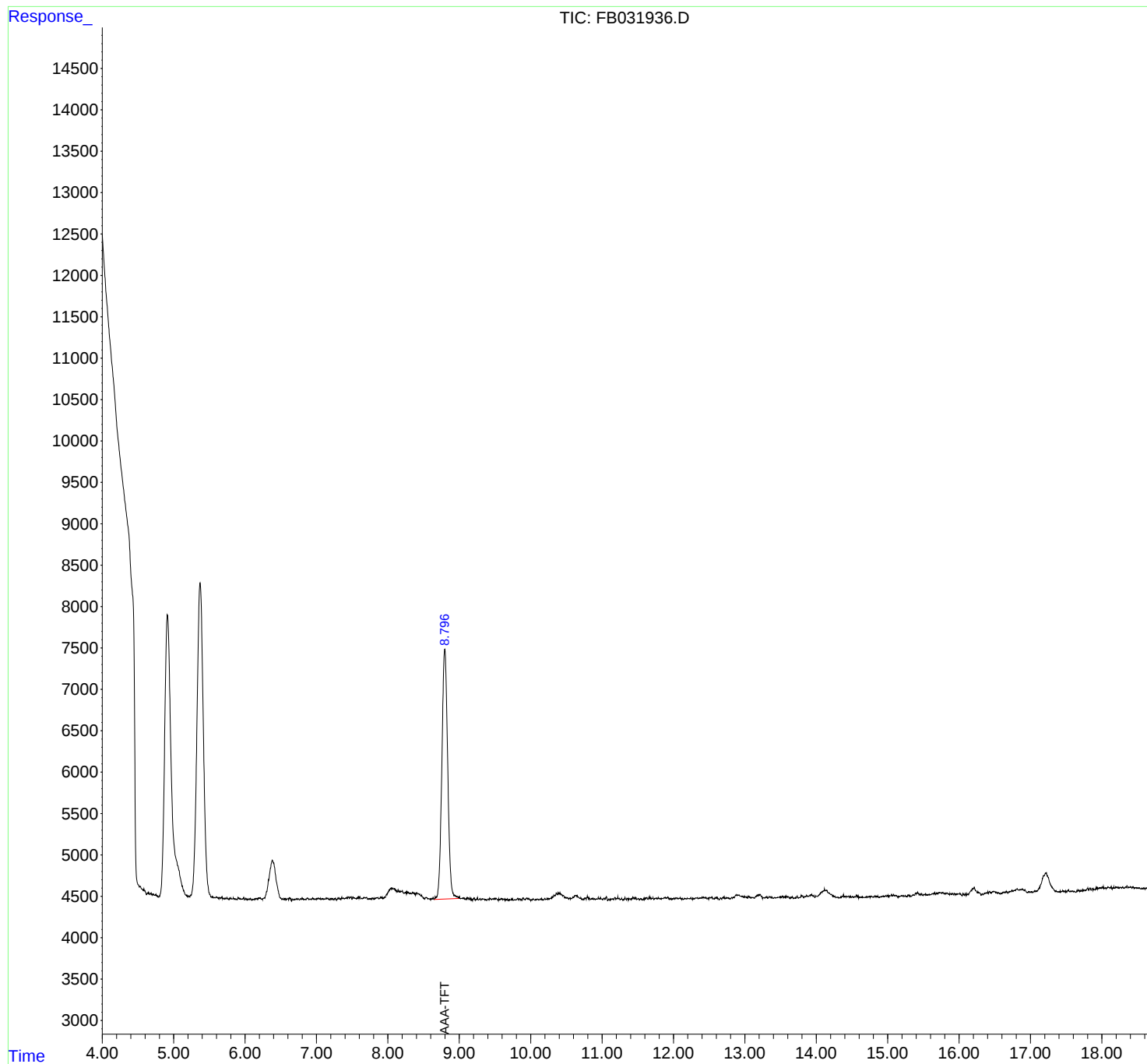
(m)=manual int.

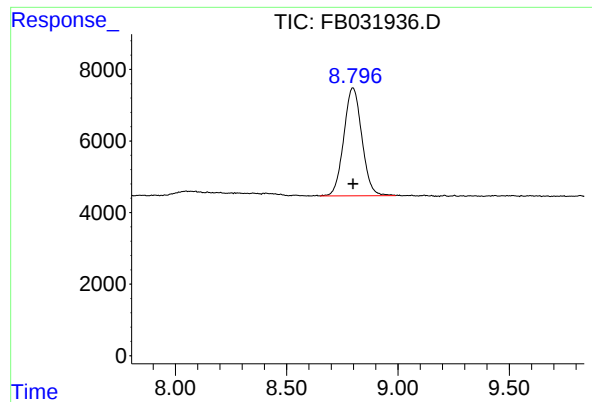
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB062625\
Data File : FB031936.D
Signal(s) : FID2B.CH
Acq On : 26 Jun 2025 13:36
Operator : YP/AJ
Sample : Q2413-02
Misc : 4.60G/5.00 ML DI WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-34

Integration File: Calibration.e
Quant Time: Jun 27 00:30:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
Quant Title :
QLast Update : Mon Jun 23 13:56:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#5 AAA-TFT

R.T.: 8.796 min
Delta R.T.: -0.002 min
Response: 170694
Conc: 11.06 ng/ml

Instrument :
FID_B
ClientSampleId :
TP-34

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB062625\
 Data File : FB031936.D
 Signal(s) : FID2B.CH
 Acq On : 26 Jun 2025 13:36
 Sample : Q2413-02
 Misc : 4.60G/5.00 ML DI WATER
 ALS Vial : 1 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
 Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.683	4.668	4.701	PV	21	253	0.14%	0.067%
2	4.716	4.701	4.785	VV	23	714	0.41%	0.190%
3	5.206	5.198	5.226	VV	29	414	0.24%	0.110%
4	5.601	5.589	5.634	VV	26	529	0.30%	0.141%
5	5.647	5.634	5.667	VV	23	325	0.18%	0.086%
6	5.677	5.667	5.774	VV	32	903	0.51%	0.240%
7	5.799	5.774	5.823	PV	18	353	0.20%	0.094%
8	5.837	5.823	5.889	VV	18	421	0.24%	0.112%
9	5.905	5.889	5.957	VV	27	592	0.34%	0.157%
10	5.982	5.957	5.996	VV	25	363	0.21%	0.096%
11	6.008	5.996	6.043	VV	21	282	0.16%	0.075%
12	6.078	6.043	6.094	VV	21	294	0.17%	0.078%
13	6.210	6.094	6.249	PV	32	1614	0.92%	0.429%
14	6.383	6.249	6.556	VV	487	34068	19.37%	9.053%
15	6.566	6.556	6.583	VV	28	283	0.16%	0.075%
16	6.625	6.583	6.655	VV	29	902	0.51%	0.240%
17	6.745	6.655	6.763	PV	26	1050	0.60%	0.279%
18	6.809	6.763	6.849	VV	30	996	0.57%	0.265%
19	6.875	6.849	6.896	VV	31	660	0.38%	0.175%
20	6.945	6.896	6.979	VV	34	1039	0.59%	0.276%
21	7.024	6.979	7.103	VV	33	1689	0.96%	0.449%
22	7.155	7.103	7.181	VV	29	1077	0.61%	0.286%
23	7.204	7.181	7.259	VV	30	961	0.55%	0.255%
24	7.267	7.259	7.283	VV	32	304	0.17%	0.081%
25	7.314	7.283	7.336	VV	35	702	0.40%	0.186%
26	7.355	7.336	7.393	VV	41	916	0.52%	0.244%
27	7.450	7.393	7.468	VV	42	1540	0.88%	0.409%
28	7.484	7.468	7.498	VV	49	676	0.38%	0.180%
29	7.512	7.498	7.560	VV	46	1171	0.67%	0.311%
30	7.591	7.560	7.645	VV	50	1690	0.96%	0.449%
31	7.670	7.645	7.693	VV	34	947	0.54%	0.252%
32	7.703	7.693	7.741	VV	40	773	0.44%	0.205%
33	7.758	7.741	7.774	VV	25	446	0.25%	0.119%
34	7.857	7.774	7.877	VV	36	1816	1.03%	0.483%
35	7.908	7.877	7.929	VV	41	1023	0.58%	0.272%
36	8.048	7.929	8.131	VV	157	12679	7.21%	3.369%

					rteres			
37	8.145	8.131	8.225	VV	130	6124	3.48%	1.627%
38	8.251	8.225	8.334	VV	100	6099	3.47%	1.621%
39	8.349	8.334	8.387	VV	96	2736	1.56%	0.727%
40	8.407	8.387	8.520	VV	99	5101	2.90%	1.356%
41	8.538	8.520	8.608	VV	39	1396	0.79%	0.371%
42	8.798	8.608	9.021	VV	3038	175918	100.00%	46.747%
43	9.062	9.021	9.093	VV	37	1076	0.61%	0.286%
44	9.119	9.093	9.188	VV	39	1138	0.65%	0.302%
45	9.210	9.188	9.228	VV	36	462	0.26%	0.123%
46	9.254	9.228	9.270	VV	37	408	0.23%	0.108%
47	9.289	9.270	9.306	VV	17	300	0.17%	0.080%
48	9.326	9.306	9.386	VV	24	670	0.38%	0.178%
49	9.437	9.386	9.454	VV	27	699	0.40%	0.186%
50	9.518	9.454	9.547	VV	26	1042	0.59%	0.277%
51	9.596	9.547	9.648	VV	23	913	0.52%	0.243%
52	9.671	9.648	9.687	VV	14	230	0.13%	0.061%
53	9.742	9.687	9.760	VV	16	407	0.23%	0.108%
54	9.820	9.760	9.834	VV	29	546	0.31%	0.145%
55	9.847	9.834	9.873	VV	19	328	0.19%	0.087%
56	9.896	9.873	9.928	VV	31	574	0.33%	0.153%
57	9.945	9.928	10.006	VV	30	756	0.43%	0.201%
58	10.036	10.006	10.059	PV	21	338	0.19%	0.090%
59	10.152	10.059	10.175	VV	22	798	0.45%	0.212%
60	10.200	10.175	10.216	VV	27	354	0.20%	0.094%
61	10.411	10.216	10.534	VV	92	9039	5.14%	2.402%
62	10.627	10.534	10.746	VV	58	4054	2.30%	1.077%
63	10.796	10.746	10.841	VV	44	1354	0.77%	0.360%
64	10.949	10.841	11.008	VV	32	1594	0.91%	0.424%
65	11.028	11.008	11.041	VV	26	326	0.19%	0.087%
66	11.061	11.041	11.104	VV	44	555	0.32%	0.148%
67	11.182	11.104	11.198	VV	32	855	0.49%	0.227%
68	11.221	11.198	11.254	VV	36	655	0.37%	0.174%
69	11.274	11.254	11.306	VV	24	289	0.16%	0.077%
70	11.322	11.306	11.396	VV	33	768	0.44%	0.204%
71	11.436	11.396	11.490	VV	30	1094	0.62%	0.291%
72	11.509	11.490	11.529	VV	21	277	0.16%	0.074%
73	11.541	11.529	11.569	VV	18	272	0.15%	0.072%
74	11.625	11.569	11.643	PV	31	746	0.42%	0.198%
75	11.657	11.643	11.698	VV	35	648	0.37%	0.172%
76	11.712	11.698	11.727	VV	26	288	0.16%	0.076%
77	11.750	11.727	11.782	VV	19	540	0.31%	0.143%
78	11.794	11.782	11.821	VV	23	423	0.24%	0.112%
79	11.888	11.821	11.904	VV	24	1027	0.58%	0.273%
80	11.922	11.904	11.979	VV	39	822	0.47%	0.219%
81	12.037	11.979	12.068	VV	25	841	0.48%	0.224%
82	12.093	12.068	12.137	VV	20	593	0.34%	0.158%
83	12.164	12.137	12.186	VV	17	355	0.20%	0.094%
84	12.196	12.186	12.233	VV	18	387	0.22%	0.103%
85	12.244	12.233	12.259	VV	26	237	0.13%	0.063%
86	12.277	12.259	12.294	VV	19	278	0.16%	0.074%
87	12.336	12.294	12.351	VV	26	644	0.37%	0.171%
88	12.374	12.351	12.392	VV	19	448	0.25%	0.119%
89	12.425	12.392	12.473	VV	33	1121	0.64%	0.298%

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90	12.539	12.473	12.574	VV	38	1098	0.62%	0.292%
91	12.605	12.574	12.642	VV	31	667	0.38%	0.177%
92	12.702	12.642	12.724	PV	30	746	0.42%	0.198%
93	12.755	12.724	12.797	VV	24	692	0.39%	0.184%
94	12.879	12.797	13.036	VV	55	4734	2.69%	1.258%
95	13.054	13.036	13.092	VV	37	798	0.45%	0.212%
96	13.107	13.092	13.130	VV	19	418	0.24%	0.111%
97	13.214	13.130	13.281	VV	55	2932	1.67%	0.779%
98	13.300	13.281	13.326	VV	25	487	0.28%	0.129%
99	13.347	13.326	13.398	VV	27	814	0.46%	0.216%
100	13.415	13.398	13.428	VV	17	226	0.13%	0.060%
101	13.531	13.428	13.554	VV	33	1513	0.86%	0.402%
102	13.562	13.554	13.576	VV	26	279	0.16%	0.074%
103	13.607	13.576	13.636	VV	26	689	0.39%	0.183%
104	13.666	13.636	13.684	PV	25	375	0.21%	0.100%
105	13.731	13.684	13.749	VV	27	439	0.25%	0.117%
106	13.793	13.749	13.832	VV	40	1042	0.59%	0.277%
107	13.866	13.832	13.894	VV	37	984	0.56%	0.262%
108	13.935	13.894	13.982	VV	50	1768	1.01%	0.470%
109	14.116	13.982	14.279	VV	106	9395	5.34%	2.496%
110	14.294	14.279	14.331	VV	11	224	0.13%	0.059%
111	14.381	14.331	14.491	VV	42	1517	0.86%	0.403%
112	14.508	14.491	14.528	VV	16	231	0.13%	0.061%
113	14.562	14.528	14.627	VV	31	752	0.43%	0.200%
114	14.644	14.627	14.683	VV	10	188	0.11%	0.050%
115	14.715	14.683	14.757	PV	14	393	0.22%	0.104%
116	14.772	14.757	14.804	VV	16	280	0.16%	0.074%
117	14.826	14.804	14.890	VV	22	482	0.27%	0.128%
118	14.929	14.890	14.949	VV	14	315	0.18%	0.084%
119	14.975	14.949	15.016	VV	17	506	0.29%	0.135%
120	15.056	15.016	15.164	VV	31	1312	0.75%	0.349%
121	15.198	15.164	15.274	PV	15	582	0.33%	0.155%
122	15.291	15.274	15.333	VV	20	323	0.18%	0.086%
123	15.419	15.333	15.497	VV	49	2486	1.41%	0.661%
124	15.530	15.497	15.563	VV	33	776	0.44%	0.206%
125	15.580	15.563	15.593	VV	19	324	0.18%	0.086%
126	15.658	15.593	15.697	VV	40	1743	0.99%	0.463%
127	15.729	15.697	15.760	VV	44	1415	0.80%	0.376%
128	15.773	15.760	15.807	VV	42	901	0.51%	0.239%
129	15.831	15.807	15.944	VV	34	1858	1.06%	0.494%
130	16.007	15.944	16.113	VV	24	1397	0.79%	0.371%
131	16.213	16.113	16.315	VV	99	5108	2.90%	1.357%
132	16.327	16.315	16.340	PV	13	124	0.07%	0.033%
133	16.427	16.340	16.454	VV	36	1463	0.83%	0.389%
134	16.492	16.454	16.549	VV	38	1473	0.84%	0.391%
135	16.553	16.549	16.582	VV	16	195	0.11%	0.052%
136	16.660	16.582	16.685	PV	31	891	0.51%	0.237%
137	16.812	16.685	16.841	VV	53	3053	1.74%	0.811%
138	16.888	16.841	16.956	VV	51	2235	1.27%	0.594%
139	16.988	16.956	17.034	PV	12	273	0.16%	0.072%

Sum of corrected areas: 376320

FB062325.M Fri Jun 27 00:51:02 2025

rteres

Report of Analysis

Client:	CDM Smith	Date Collected:	06/24/25
Project:	South River WM Replacement	Date Received:	06/24/25
Client Sample ID:	TP-77	SDG No.:	Q2413
Lab Sample ID:	Q2413-03	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	91.4
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Final Vol:	5
GPC Factor :		PH :	
Prep Method :		Decanted:	
		Test:	Gasoline Range Organics
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031937.D	1	06/26/25 14:04	FB062625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	9.00	U	9.00	49.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	11.1		50 - 150	55%	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\FB062625\
Data File : FB031937.D
Signal(s) : FID2B.CH
Acq On : 26 Jun 2025 14:04
Operator : YP/AJ
Sample : Q2413-03
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-77

Integration File: Calibration.e
Quant Time: Jun 27 00:30:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
Quant Title :
QLast Update : Mon Jun 23 13:56:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
5) s AAA-TFT	8.796	170979	11.082 ng/mlm
Target Compounds			

(f)=RT Delta > 1/2 Window

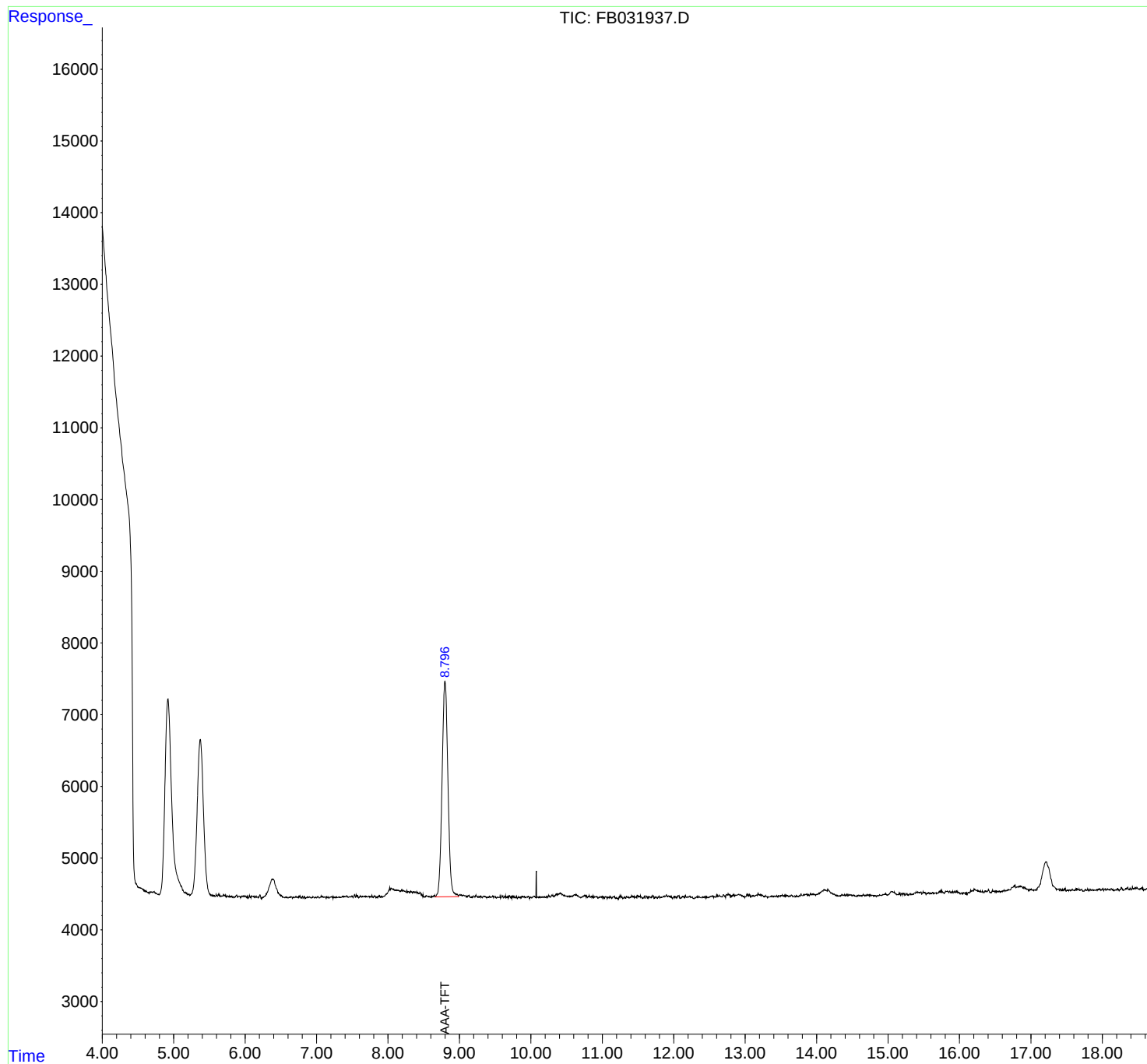
(m)=manual int.

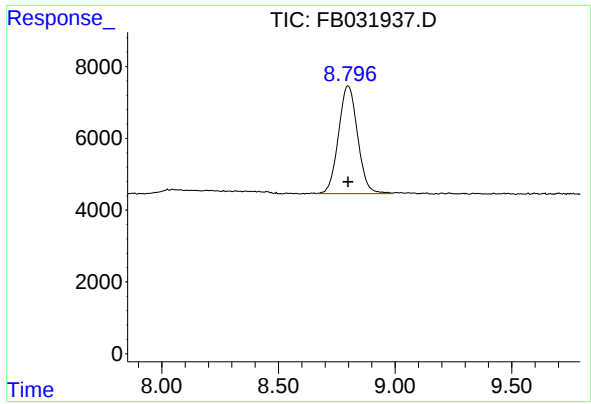
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB062625\
Data File : FB031937.D
Signal(s) : FID2B.CH
Acq On : 26 Jun 2025 14:04
Operator : YP/AJ
Sample : Q2413-03
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-77

Integration File: Calibration.e
Quant Time: Jun 27 00:30:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
Quant Title :
QLast Update : Mon Jun 23 13:56:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#5 AAA-TFT

R.T.: 8.796 min
Delta R.T.: -0.002 min
Response: 170979
Conc: 11.08 ng/ml

Instrument :
FID_B
ClientSampleId :
TP-77

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB062625\
 Data File : FB031937.D
 Signal(s) : FID2B.CH
 Acq On : 26 Jun 2025 14:04
 Sample : Q2413-03
 Misc : 5.00G/5.00 ML DI WATER
 ALS Vial : 2 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
 Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.668	4.621	4.706	BV	13	178	0.10%	0.042%
2	4.725	4.706	4.753	VV	28	467	0.27%	0.111%
3	4.761	4.753	4.780	VV	15	126	0.07%	0.030%
4	4.788	4.780	4.797	PV	7	31	0.02%	0.007%
5	5.213	5.200	5.225	VV	32	306	0.17%	0.073%
6	5.525	5.518	5.538	VV	31	300	0.17%	0.071%
7	5.546	5.538	5.559	VV	31	255	0.15%	0.060%
8	5.570	5.559	5.581	VV	26	216	0.12%	0.051%
9	5.596	5.581	5.613	VV	40	405	0.23%	0.096%
10	5.634	5.613	5.659	VV	41	694	0.39%	0.164%
11	5.700	5.659	5.722	VV	43	935	0.53%	0.222%
12	5.728	5.722	5.747	VV	38	306	0.17%	0.073%
13	5.759	5.747	5.773	VV	27	267	0.15%	0.063%
14	5.780	5.773	5.795	VV	23	238	0.14%	0.056%
15	5.813	5.795	5.832	VV	25	321	0.18%	0.076%
16	5.839	5.832	5.849	VV	15	114	0.06%	0.027%
17	5.882	5.849	5.897	VV	42	669	0.38%	0.159%
18	5.910	5.897	5.918	VV	28	282	0.16%	0.067%
19	5.925	5.918	5.938	VV	29	247	0.14%	0.059%
20	5.958	5.938	5.973	VV	32	488	0.28%	0.116%
21	5.979	5.973	6.002	VV	35	510	0.29%	0.121%
22	6.009	6.002	6.019	VV	33	263	0.15%	0.062%
23	6.026	6.019	6.044	VV	28	217	0.12%	0.051%
24	6.062	6.044	6.082	PV	41	418	0.24%	0.099%
25	6.098	6.082	6.142	VV	36	1016	0.58%	0.241%
26	6.151	6.142	6.193	VV	27	666	0.38%	0.158%
27	6.209	6.193	6.232	VV	55	614	0.35%	0.145%
28	6.387	6.232	6.552	PV	276	21253	12.09%	5.038%
29	6.571	6.552	6.600	VV	24	549	0.31%	0.130%
30	6.622	6.600	6.629	VV	22	289	0.16%	0.069%
31	6.638	6.629	6.662	VV	28	436	0.25%	0.103%
32	6.672	6.662	6.681	VV	24	190	0.11%	0.045%
33	6.711	6.681	6.720	VV	32	474	0.27%	0.112%
34	6.730	6.720	6.744	VV	25	296	0.17%	0.070%
35	6.768	6.744	6.790	VV	42	650	0.37%	0.154%
36	6.803	6.790	6.813	VV	33	272	0.15%	0.064%

					rteres				
37	6.826	6.813	6.849	VV	34	376	0.21%	0.089%	
38	6.876	6.849	6.890	VV	26	436	0.25%	0.103%	
39	6.901	6.890	6.931	VV	26	457	0.26%	0.108%	
40	6.949	6.931	6.998	VV	23	684	0.39%	0.162%	
41	7.022	6.998	7.039	VV	32	517	0.29%	0.123%	
42	7.066	7.039	7.103	VV	39	903	0.51%	0.214%	
43	7.122	7.103	7.135	VV	28	406	0.23%	0.096%	
44	7.144	7.135	7.156	VV	25	244	0.14%	0.058%	
45	7.164	7.156	7.178	VV	25	189	0.11%	0.045%	
46	7.212	7.178	7.269	VV	29	1081	0.61%	0.256%	
47	7.279	7.269	7.301	VV	31	376	0.21%	0.089%	
48	7.311	7.301	7.334	VV	24	416	0.24%	0.099%	
49	7.367	7.334	7.376	VV	39	616	0.35%	0.146%	
50	7.385	7.376	7.400	VV	37	422	0.24%	0.100%	
51	7.421	7.400	7.446	VV	43	840	0.48%	0.199%	
52	7.475	7.446	7.484	VV	32	614	0.35%	0.146%	
53	7.495	7.484	7.515	VV	39	530	0.30%	0.126%	
54	7.531	7.515	7.544	VV	57	660	0.38%	0.156%	
55	7.555	7.544	7.568	VV	54	533	0.30%	0.126%	
56	7.574	7.568	7.594	VV	47	426	0.24%	0.101%	
57	7.616	7.594	7.635	VV	42	681	0.39%	0.161%	
58	7.655	7.635	7.663	VV	32	512	0.29%	0.121%	
59	7.674	7.663	7.696	VV	33	597	0.34%	0.142%	
60	7.704	7.696	7.717	VV	33	376	0.21%	0.089%	
61	7.732	7.717	7.746	VV	37	537	0.31%	0.127%	
62	7.758	7.746	7.765	VV	33	322	0.18%	0.076%	
63	7.775	7.765	7.793	VV	51	552	0.31%	0.131%	
64	7.809	7.793	7.845	VV	39	828	0.47%	0.196%	
65	7.885	7.845	7.895	VV	44	919	0.52%	0.218%	
66	8.024	7.895	8.033	VV	160	5218	2.97%	1.237%	
67	8.045	8.033	8.105	VV	151	5731	3.26%	1.358%	
68	8.112	8.105	8.120	VV	124	1043	0.59%	0.247%	
69	8.127	8.120	8.171	VV	124	3596	2.05%	0.852%	
70	8.192	8.171	8.258	VV	126	5711	3.25%	1.354%	
71	8.265	8.258	8.276	VV	114	1049	0.60%	0.249%	
72	8.284	8.276	8.303	VV	103	1584	0.90%	0.375%	
73	8.315	8.303	8.345	VV	105	2398	1.36%	0.568%	
74	8.361	8.345	8.371	VV	102	1456	0.83%	0.345%	
75	8.400	8.371	8.409	VV	98	2041	1.16%	0.484%	
76	8.417	8.409	8.437	VV	93	1359	0.77%	0.322%	
77	8.450	8.437	8.481	VV	85	1802	1.02%	0.427%	
78	8.492	8.481	8.515	VV	59	702	0.40%	0.166%	
79	8.535	8.515	8.568	VV	46	1111	0.63%	0.263%	
80	8.576	8.568	8.595	VV	39	483	0.27%	0.114%	
81	8.606	8.595	8.633	VV	36	677	0.38%	0.160%	
82	8.644	8.633	8.651	VV	46	405	0.23%	0.096%	
83	8.654	8.651	8.663	VV	49	279	0.16%	0.066%	
84	8.798	8.663	8.960	VV	3033	175857	100.00%	41.686%	
85	8.969	8.960	8.988	VV	67	982	0.56%	0.233%	
86	9.009	8.988	9.018	VV	64	981	0.56%	0.232%	
87	9.027	9.018	9.044	VV	59	755	0.43%	0.179%	
88	9.057	9.044	9.097	VV	56	1441	0.82%	0.342%	
89	9.138	9.097	9.166	VV	50	1376	0.78%	0.326%	

					rteres				
90	9.177	9.166	9.186	VV	36	320	0.18%	0.076%	
91	9.201	9.186	9.218	VV	43	657	0.37%	0.156%	
92	9.231	9.218	9.279	VV	54	1198	0.68%	0.284%	
93	9.303	9.279	9.325	VV	43	772	0.44%	0.183%	
94	9.334	9.325	9.398	VV	41	1301	0.74%	0.308%	
95	9.422	9.398	9.435	VV	42	638	0.36%	0.151%	
96	9.468	9.435	9.518	VV	45	1408	0.80%	0.334%	
97	9.541	9.518	9.558	VV	27	507	0.29%	0.120%	
98	9.571	9.558	9.619	VV	46	1050	0.60%	0.249%	
99	9.636	9.619	9.652	VV	36	525	0.30%	0.124%	
100	9.667	9.652	9.682	VV	36	407	0.23%	0.096%	
101	9.703	9.682	9.734	VV	45	941	0.54%	0.223%	
102	9.764	9.734	9.789	VV	41	867	0.49%	0.206%	
103	9.802	9.789	9.813	VV	37	323	0.18%	0.077%	
104	9.828	9.813	9.848	VV	31	417	0.24%	0.099%	
105	9.854	9.848	9.862	VV	27	168	0.10%	0.040%	
106	9.883	9.862	9.903	VV	41	743	0.42%	0.176%	
107	9.912	9.903	9.932	VV	38	464	0.26%	0.110%	
108	9.969	9.932	9.982	VV	36	832	0.47%	0.197%	
109	10.044	9.982	10.066	VV	39	1321	0.75%	0.313%	
110	10.076	10.066	10.087	VV	387	1658	0.94%	0.393%	
111	10.096	10.087	10.138	VV	30	768	0.44%	0.182%	
112	10.143	10.138	10.151	VV	31	211	0.12%	0.050%	
113	10.165	10.151	10.174	VV	32	367	0.21%	0.087%	
114	10.186	10.174	10.200	VV	34	409	0.23%	0.097%	
115	10.208	10.200	10.214	VV	26	189	0.11%	0.045%	
116	10.224	10.214	10.236	VV	36	378	0.21%	0.090%	
117	10.249	10.236	10.273	VV	51	843	0.48%	0.200%	
118	10.293	10.273	10.321	VV	55	1184	0.67%	0.281%	
119	10.410	10.321	10.466	VV	84	5471	3.11%	1.297%	
120	10.476	10.466	10.491	VV	54	708	0.40%	0.168%	
121	10.499	10.491	10.510	VV	43	437	0.25%	0.104%	
122	10.518	10.510	10.550	VV	44	902	0.51%	0.214%	
123	10.555	10.550	10.561	VV	37	225	0.13%	0.053%	
124	10.572	10.561	10.582	VV	45	478	0.27%	0.113%	
125	10.613	10.582	10.622	VV	60	1241	0.71%	0.294%	
126	10.635	10.622	10.702	VV	65	1964	1.12%	0.466%	
127	10.767	10.702	10.776	VV	55	1659	0.94%	0.393%	
128	10.782	10.776	10.793	VV	46	338	0.19%	0.080%	
129	10.818	10.793	10.880	VV	51	1743	0.99%	0.413%	
130	10.902	10.880	10.912	VV	35	547	0.31%	0.130%	
131	10.924	10.912	10.942	VV	40	509	0.29%	0.121%	
132	10.970	10.942	10.990	VV	31	739	0.42%	0.175%	
133	11.000	10.990	11.009	VV	44	352	0.20%	0.084%	
134	11.018	11.009	11.033	VV	36	351	0.20%	0.083%	
135	11.047	11.033	11.108	VV	37	1103	0.63%	0.261%	
136	11.117	11.108	11.131	VV	31	335	0.19%	0.079%	
137	11.151	11.131	11.158	VV	36	386	0.22%	0.091%	
138	11.165	11.158	11.189	VV	38	480	0.27%	0.114%	
139	11.202	11.189	11.223	VV	28	263	0.15%	0.062%	
140	11.249	11.223	11.289	PV	44	1025	0.58%	0.243%	
141	11.306	11.289	11.324	VV	27	391	0.22%	0.093%	

					rteres			
142	11.341	11.324	11.356	VV	39	486	0.28%	0.115%
143	11.362	11.356	11.376	VV	30	260	0.15%	0.062%
144	11.412	11.376	11.443	VV	47	1176	0.67%	0.279%
145	11.445	11.443	11.454	VV	35	179	0.10%	0.042%
146	11.463	11.454	11.483	VV	31	447	0.25%	0.106%
147	11.495	11.483	11.523	VV	50	857	0.49%	0.203%
148	11.533	11.523	11.571	VV	48	683	0.39%	0.162%
149	11.588	11.571	11.599	VV	36	325	0.18%	0.077%
150	11.612	11.599	11.631	VV	43	548	0.31%	0.130%
151	11.640	11.631	11.684	VV	35	809	0.46%	0.192%
152	11.714	11.684	11.727	VV	44	715	0.41%	0.170%
153	11.738	11.727	11.746	VV	29	203	0.12%	0.048%
154	11.758	11.746	11.774	VV	28	313	0.18%	0.074%
155	11.796	11.774	11.806	VV	38	468	0.27%	0.111%
156	11.871	11.806	11.880	VV	39	1149	0.65%	0.272%
157	11.897	11.880	11.944	VV	55	1423	0.81%	0.337%
158	11.951	11.944	11.986	VV	38	579	0.33%	0.137%
159	12.005	11.986	12.044	VV	37	802	0.46%	0.190%
160	12.065	12.044	12.095	VV	45	831	0.47%	0.197%
161	12.121	12.095	12.151	VV	33	703	0.40%	0.167%
162	12.163	12.151	12.177	VV	49	429	0.24%	0.102%
163	12.190	12.177	12.204	VV	26	354	0.20%	0.084%
164	12.215	12.204	12.221	VV	30	248	0.14%	0.059%
165	12.229	12.221	12.250	VV	35	413	0.23%	0.098%
166	12.261	12.250	12.273	VV	25	211	0.12%	0.050%
167	12.300	12.273	12.307	PV	18	120	0.07%	0.029%
168	12.332	12.307	12.384	VV	30	834	0.47%	0.198%
169	12.402	12.384	12.416	VV	23	320	0.18%	0.076%
170	12.426	12.416	12.435	VV	25	213	0.12%	0.050%
171	12.444	12.435	12.453	VV	32	205	0.12%	0.049%
172	12.465	12.453	12.477	VV	31	251	0.14%	0.060%
173	12.544	12.477	12.562	VV	39	1233	0.70%	0.292%
174	12.571	12.562	12.589	VV	26	336	0.19%	0.080%
175	12.602	12.589	12.610	VV	51	411	0.23%	0.097%
176	12.617	12.610	12.626	VV	45	334	0.19%	0.079%
177	12.638	12.626	12.678	VV	41	902	0.51%	0.214%
178	12.697	12.678	12.726	VV	52	971	0.55%	0.230%
179	12.763	12.726	12.795	VV	61	1857	1.06%	0.440%
180	12.804	12.795	12.814	VV	35	300	0.17%	0.071%
181	12.847	12.814	12.856	VV	50	926	0.53%	0.220%
182	12.911	12.856	12.922	VV	55	1754	1.00%	0.416%
183	12.931	12.922	12.951	VV	51	752	0.43%	0.178%
184	12.959	12.951	12.975	VV	40	418	0.24%	0.099%
185	12.985	12.975	12.996	VV	24	256	0.15%	0.061%
186	13.024	12.996	13.049	VV	50	1034	0.59%	0.245%
187	13.065	13.049	13.077	VV	51	586	0.33%	0.139%
188	13.096	13.077	13.103	VV	30	395	0.22%	0.094%
189	13.112	13.103	13.134	VV	35	515	0.29%	0.122%
190	13.159	13.134	13.170	VV	42	778	0.44%	0.184%
191	13.184	13.170	13.203	VV	62	935	0.53%	0.222%
192	13.215	13.203	13.224	VV	54	537	0.31%	0.127%
193	13.232	13.224	13.274	VV	46	884	0.50%	0.210%
194	13.285	13.274	13.315	VV	33	483	0.27%	0.114%

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195	13.381	13.315	13.405	PV	28	915	0.52%	0.217%
196	13.428	13.405	13.436	VV	27	412	0.23%	0.098%
197	13.444	13.436	13.457	VV	29	266	0.15%	0.063%
198	13.466	13.457	13.475	VV	32	251	0.14%	0.059%
199	13.521	13.475	13.532	VV	41	966	0.55%	0.229%
200	13.539	13.532	13.545	VV	27	190	0.11%	0.045%
201	13.551	13.545	13.560	VV	32	197	0.11%	0.047%
202	13.569	13.560	13.606	VV	41	759	0.43%	0.180%
203	13.614	13.606	13.633	VV	25	322	0.18%	0.076%
204	13.650	13.633	13.672	VV	36	564	0.32%	0.134%
205	13.693	13.672	13.704	VV	26	349	0.20%	0.083%
206	13.720	13.704	13.750	VV	26	445	0.25%	0.106%
207	13.765	13.750	13.772	VV	31	293	0.17%	0.069%
208	13.784	13.772	13.808	VV	52	719	0.41%	0.170%
209	13.843	13.808	13.852	VV	45	981	0.56%	0.233%
210	13.863	13.852	13.881	VV	51	683	0.39%	0.162%
211	13.889	13.881	13.898	VV	41	334	0.19%	0.079%
212	13.922	13.898	13.936	VV	50	919	0.52%	0.218%
213	13.951	13.936	13.960	VV	52	603	0.34%	0.143%
214	13.971	13.960	13.988	VV	45	658	0.37%	0.156%
215	14.104	13.988	14.151	VV	109	7122	4.05%	1.688%
216	14.160	14.151	14.201	VV	110	2543	1.45%	0.603%
217	14.209	14.201	14.265	VV	63	1682	0.96%	0.399%
218	14.275	14.265	14.332	VV	30	723	0.41%	0.171%
219	14.356	14.332	14.373	VV	37	616	0.35%	0.146%
220	14.382	14.373	14.388	VV	26	222	0.13%	0.053%
221	14.395	14.388	14.405	VV	36	256	0.15%	0.061%
222	14.427	14.405	14.439	VV	38	509	0.29%	0.121%
223	14.450	14.439	14.456	VV	29	201	0.11%	0.048%
224	14.465	14.456	14.473	VV	32	267	0.15%	0.063%
225	14.484	14.473	14.501	VV	29	401	0.23%	0.095%
226	14.514	14.501	14.571	VV	28	627	0.36%	0.149%
227	14.588	14.571	14.611	VV	22	360	0.20%	0.085%
228	14.626	14.611	14.634	VV	19	212	0.12%	0.050%
229	14.656	14.634	14.680	VV	32	530	0.30%	0.126%
230	14.691	14.680	14.698	VV	22	162	0.09%	0.038%
231	14.713	14.698	14.724	VV	32	325	0.18%	0.077%
232	14.746	14.724	14.756	VV	35	415	0.24%	0.098%
233	14.762	14.756	14.842	VV	19	661	0.38%	0.157%
234	14.886	14.842	14.908	PV	19	547	0.31%	0.130%
235	14.966	14.908	14.993	VV	37	1259	0.72%	0.298%
236	15.064	14.993	15.133	VV	66	3644	2.07%	0.864%
237	15.167	15.133	15.201	VV	48	1180	0.67%	0.280%
238	15.214	15.201	15.241	VV	41	709	0.40%	0.168%
239	15.256	15.241	15.292	VV	37	643	0.37%	0.153%
240	15.310	15.292	15.337	VV	24	598	0.34%	0.142%
241	15.418	15.337	15.448	VV	56	2669	1.52%	0.633%
242	15.459	15.448	15.475	VV	51	689	0.39%	0.163%
243	15.492	15.475	15.542	VV	58	1540	0.88%	0.365%
244	15.573	15.542	15.615	VV	42	1436	0.82%	0.340%
245	15.627	15.615	15.648	VV	47	724	0.41%	0.172%
246	15.664	15.648	15.704	VV	37	1130	0.64%	0.268%

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247	15.754	15.704	15.786	VV	68	2373	1.35%	0.562%
248	15.830	15.786	15.852	VV	58	1959	1.11%	0.464%
249	15.865	15.852	15.888	VV	58	941	0.53%	0.223%
250	15.946	15.888	16.011	VV	56	3064	1.74%	0.726%
251	16.025	16.011	16.039	VV	31	396	0.23%	0.094%
252	16.058	16.039	16.108	VV	35	995	0.57%	0.236%
253	16.211	16.108	16.308	PV	74	5532	3.15%	1.311%
254	16.321	16.308	16.343	VV	49	629	0.36%	0.149%
255	16.371	16.343	16.385	VV	39	843	0.48%	0.200%
256	16.407	16.385	16.450	VV	58	1149	0.65%	0.272%
257	16.464	16.450	16.544	VV	42	1449	0.82%	0.344%
258	16.558	16.544	16.578	VV	25	389	0.22%	0.092%
259	16.690	16.578	16.703	VV	38	1974	1.12%	0.468%
260	16.776	16.703	16.792	VV	96	3423	1.95%	0.812%
261	16.854	16.792	16.898	VV	79	4280	2.43%	1.014%
262	16.903	16.898	16.979	VV	63	1626	0.92%	0.385%
263	17.003	16.979	17.042	VV	25	581	0.33%	0.138%
264	17.060	17.042	17.076	PV	11	138	0.08%	0.033%
Sum of corrected areas:							421867	

FB062325.M Fri Jun 27 00:51:39 2025

Report of Analysis

Client:	CDM Smith	Date Collected:	06/24/25
Project:	South River WM Replacement	Date Received:	06/24/25
Client Sample ID:	TP-74	SDG No.:	Q2413
Lab Sample ID:	Q2413-04	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	89.5
Sample Wt/Vol:	4.2	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
FB031938.D	1	06/26/25 14:31	FB062625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	11.0	U	11.0	60.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	12.8		50 - 150	64%	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\FB062625\
Data File : FB031938.D
Signal(s) : FID2B.CH
Acq On : 26 Jun 2025 14:31
Operator : YP/AJ
Sample : Q2413-04
Misc : 4.20G/5.00 ML DI WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-74

Integration File: Calibration.e
Quant Time: Jun 27 00:30:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
Quant Title :
QLast Update : Mon Jun 23 13:56:54 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	8.798	197033	12.771 ng/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

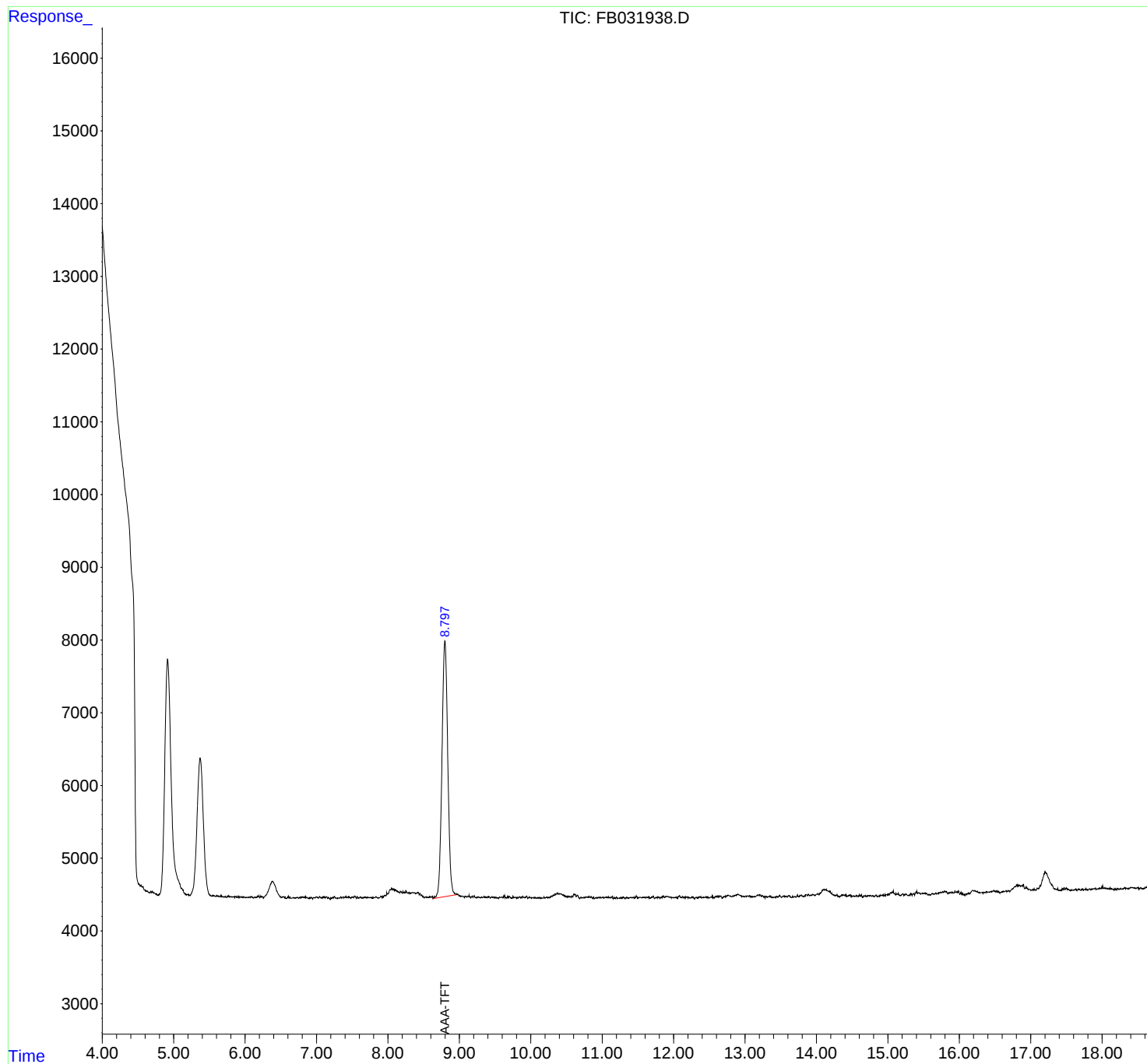
(m)=manual int.

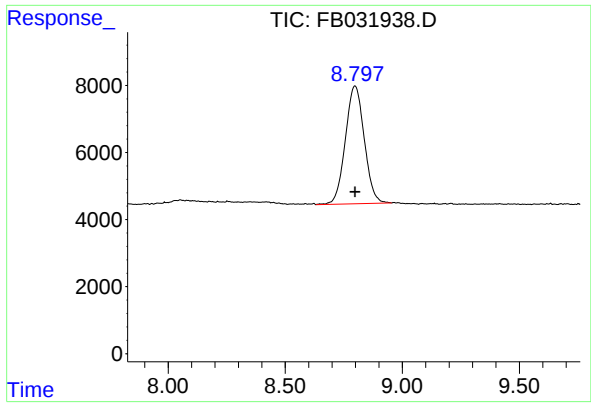
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB062625\
Data File : FB031938.D
Signal(s) : FID2B.CH
Acq On : 26 Jun 2025 14:31
Operator : YP/AJ
Sample : Q2413-04
Misc : 4.20G/5.00 ML DI WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-74

Integration File: Calibration.e
Quant Time: Jun 27 00:30:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
Quant Title :
QLast Update : Mon Jun 23 13:56:54 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.: 8.798 min
Delta R.T.: 0.000 min
Response: 197033
Conc: 12.77 ng/ml

Instrument :
FID_B
ClientSampleId :
TP-74

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB062625\
 Data File : FB031938.D
 Signal(s) : FID2B.CH
 Acq On : 26 Jun 2025 14:31
 Sample : Q2413-04
 Misc : 4.20G/5.00 ML DI WATER
 ALS Vial : 3 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
 Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.681	4.637	4.781	BV	20	807	0.40%	0.193%
2	5.199	5.192	5.217	VV	29	337	0.17%	0.081%
3	5.225	5.217	5.235	VV	18	166	0.08%	0.040%
4	5.546	5.526	5.555	VV	27	325	0.16%	0.078%
5	5.565	5.555	5.592	VV	26	357	0.18%	0.086%
6	5.601	5.592	5.628	VV	23	323	0.16%	0.077%
7	5.636	5.628	5.653	VV	17	197	0.10%	0.047%
8	5.666	5.653	5.688	VV	35	345	0.17%	0.083%
9	5.694	5.688	5.703	VV	12	82	0.04%	0.020%
10	5.725	5.703	5.742	VV	18	172	0.08%	0.041%
11	5.768	5.742	5.794	PV	22	408	0.20%	0.098%
12	5.806	5.794	5.822	VV	15	171	0.08%	0.041%
13	5.846	5.822	5.854	VV	14	200	0.10%	0.048%
14	5.872	5.854	5.882	PV	17	157	0.08%	0.038%
15	5.901	5.882	5.941	VV	18	298	0.15%	0.071%
16	5.958	5.941	5.973	VV	11	98	0.05%	0.023%
17	5.981	5.973	6.007	VB	14	120	0.06%	0.029%
18	6.097	6.054	6.120	BV	18	296	0.14%	0.071%
19	6.142	6.120	6.151	PV	17	213	0.10%	0.051%
20	6.196	6.151	6.208	VV	34	599	0.29%	0.143%
21	6.221	6.208	6.256	VV	30	525	0.26%	0.126%
22	6.385	6.256	6.511	VV	237	16763	8.22%	4.012%
23	6.533	6.511	6.579	VV	26	683	0.34%	0.164%
24	6.606	6.579	6.624	VV	38	456	0.22%	0.109%
25	6.632	6.624	6.641	VV	25	164	0.08%	0.039%
26	6.732	6.641	6.755	VV	21	875	0.43%	0.209%
27	6.789	6.755	6.798	VV	26	470	0.23%	0.113%
28	6.809	6.798	6.820	VV	35	319	0.16%	0.076%
29	6.843	6.820	6.886	VV	39	805	0.39%	0.193%
30	6.922	6.886	6.948	VV	24	566	0.28%	0.136%
31	6.999	6.948	7.028	VV	33	1077	0.53%	0.258%
32	7.043	7.028	7.087	VV	39	905	0.44%	0.217%
33	7.096	7.087	7.104	VV	41	309	0.15%	0.074%
34	7.112	7.104	7.126	VV	35	372	0.18%	0.089%
35	7.142	7.126	7.192	VV	38	867	0.43%	0.208%
36	7.210	7.192	7.220	PV	25	265	0.13%	0.063%

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37	7.249	7.220	7.290	VV	40	1009	0.49%	0.241%
38	7.298	7.290	7.311	VV	22	223	0.11%	0.053%
39	7.340	7.311	7.361	VV	39	717	0.35%	0.172%
40	7.372	7.361	7.385	VV	34	440	0.22%	0.105%
41	7.411	7.385	7.426	VV	44	740	0.36%	0.177%
42	7.436	7.426	7.443	VV	36	308	0.15%	0.074%
43	7.452	7.443	7.464	VV	39	395	0.19%	0.095%
44	7.470	7.464	7.481	VV	25	236	0.12%	0.057%
45	7.509	7.481	7.522	VV	34	689	0.34%	0.165%
46	7.535	7.522	7.559	VV	47	777	0.38%	0.186%
47	7.572	7.559	7.583	VV	39	413	0.20%	0.099%
48	7.616	7.583	7.641	VV	37	823	0.40%	0.197%
49	7.684	7.641	7.739	VV	35	1493	0.73%	0.357%
50	7.750	7.739	7.775	VV	29	510	0.25%	0.122%
51	7.804	7.775	7.816	VV	27	514	0.25%	0.123%
52	7.832	7.816	7.868	VV	37	799	0.39%	0.191%
53	7.912	7.868	7.922	VV	42	947	0.46%	0.227%
54	7.956	7.922	7.972	VV	59	1305	0.64%	0.312%
55	8.033	7.972	8.041	VV	135	3820	1.87%	0.914%
56	8.052	8.041	8.073	VV	156	2681	1.31%	0.642%
57	8.080	8.073	8.094	VV	139	1731	0.85%	0.414%
58	8.105	8.094	8.123	VV	130	2118	1.04%	0.507%
59	8.129	8.123	8.169	VV	118	2874	1.41%	0.688%
60	8.177	8.169	8.203	VV	110	1984	0.97%	0.475%
61	8.212	8.203	8.242	VV	109	2158	1.06%	0.516%
62	8.253	8.242	8.283	VV	120	2390	1.17%	0.572%
63	8.300	8.283	8.319	VV	93	1837	0.90%	0.440%
64	8.328	8.319	8.336	VV	92	927	0.45%	0.222%
65	8.350	8.336	8.361	VV	96	1371	0.67%	0.328%
66	8.370	8.361	8.389	VV	90	1450	0.71%	0.347%
67	8.419	8.389	8.439	VV	97	2558	1.25%	0.612%
68	8.450	8.439	8.465	VV	78	1027	0.50%	0.246%
69	8.473	8.465	8.511	VV	59	1119	0.55%	0.268%
70	8.535	8.511	8.544	VV	36	565	0.28%	0.135%
71	8.557	8.544	8.565	VV	32	348	0.17%	0.083%
72	8.587	8.565	8.596	VV	44	563	0.28%	0.135%
73	8.605	8.596	8.614	VV	31	303	0.15%	0.072%
74	8.623	8.614	8.632	VV	47	351	0.17%	0.084%
75	8.798	8.632	8.955	VV	3551	203911	100.00%	48.801%
76	8.965	8.955	9.040	VV	71	2700	1.32%	0.646%
77	9.050	9.040	9.071	VV	43	654	0.32%	0.157%
78	9.086	9.071	9.105	VV	44	712	0.35%	0.170%
79	9.137	9.105	9.158	VV	52	1137	0.56%	0.272%
80	9.183	9.158	9.193	VV	40	656	0.32%	0.157%
81	9.209	9.193	9.235	VV	49	824	0.40%	0.197%
82	9.273	9.235	9.302	VV	33	961	0.47%	0.230%
83	9.312	9.302	9.326	VV	29	357	0.17%	0.085%
84	9.347	9.326	9.369	VV	34	692	0.34%	0.166%
85	9.372	9.369	9.387	VV	32	288	0.14%	0.069%
86	9.417	9.387	9.444	VV	39	930	0.46%	0.223%
87	9.454	9.444	9.489	VV	34	720	0.35%	0.172%
88	9.496	9.489	9.506	VV	29	225	0.11%	0.054%
89	9.515	9.506	9.553	VV	26	516	0.25%	0.124%

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90	9.566	9.553	9.584	VV	31	422	0.21%	0.101%	
91	9.596	9.584	9.610	VV	31	417	0.20%	0.100%	
92	9.634	9.610	9.647	VV	50	662	0.32%	0.158%	
93	9.652	9.647	9.667	VV	26	216	0.11%	0.052%	
94	9.678	9.667	9.687	VV	41	333	0.16%	0.080%	
95	9.707	9.687	9.734	VV	37	677	0.33%	0.162%	
96	9.753	9.734	9.763	VV	41	407	0.20%	0.098%	
97	9.779	9.763	9.804	VV	25	538	0.26%	0.129%	
98	9.813	9.804	9.828	VV	27	275	0.13%	0.066%	
99	9.844	9.828	9.858	VV	35	466	0.23%	0.111%	
100	9.867	9.858	9.876	VV	26	235	0.12%	0.056%	
101	9.889	9.876	9.899	VV	38	390	0.19%	0.093%	
102	9.909	9.899	9.919	VV	26	274	0.13%	0.066%	
103	9.943	9.919	9.960	VV	43	660	0.32%	0.158%	
104	9.981	9.960	9.993	VV	31	378	0.19%	0.091%	
105	10.003	9.993	10.031	VV	23	418	0.21%	0.100%	
106	10.060	10.031	10.123	VV	27	943	0.46%	0.226%	
107	10.132	10.123	10.143	VV	25	210	0.10%	0.050%	
108	10.157	10.143	10.173	VV	16	248	0.12%	0.059%	
109	10.187	10.173	10.200	VV	28	281	0.14%	0.067%	
110	10.228	10.200	10.238	VV	28	478	0.23%	0.114%	
111	10.292	10.238	10.301	VV	45	1067	0.52%	0.255%	
112	10.372	10.301	10.390	VV	87	3345	1.64%	0.801%	
113	10.400	10.390	10.455	VV	79	2551	1.25%	0.610%	
114	10.460	10.455	10.469	VV	62	471	0.23%	0.113%	
115	10.477	10.469	10.524	VV	52	1225	0.60%	0.293%	
116	10.537	10.524	10.547	VV	39	455	0.22%	0.109%	
117	10.561	10.547	10.571	VV	34	458	0.22%	0.110%	
118	10.579	10.571	10.590	VV	46	413	0.20%	0.099%	
119	10.606	10.590	10.616	VV	69	898	0.44%	0.215%	
120	10.624	10.616	10.637	VV	66	681	0.33%	0.163%	
121	10.652	10.637	10.688	VV	52	987	0.48%	0.236%	
122	10.704	10.688	10.713	VV	28	254	0.12%	0.061%	
123	10.738	10.713	10.747	VV	22	344	0.17%	0.082%	
124	10.783	10.747	10.804	VV	30	810	0.40%	0.194%	
125	10.814	10.804	10.824	VV	39	326	0.16%	0.078%	
126	10.832	10.824	10.839	VV	29	224	0.11%	0.054%	
127	10.848	10.839	10.867	VV	38	393	0.19%	0.094%	
128	10.878	10.867	10.890	VV	28	192	0.09%	0.046%	
129	10.919	10.890	10.927	VV	20	288	0.14%	0.069%	
130	10.945	10.927	10.964	VV	25	417	0.20%	0.100%	
131	10.978	10.964	10.994	VV	28	332	0.16%	0.079%	
132	11.012	10.994	11.027	VV	30	387	0.19%	0.093%	
133	11.055	11.027	11.064	VV	31	478	0.23%	0.114%	
134	11.073	11.064	11.084	VV	28	249	0.12%	0.060%	
135	11.090	11.084	11.106	VV	33	301	0.15%	0.072%	
136	11.142	11.106	11.153	VV	37	587	0.29%	0.140%	
137	11.168	11.153	11.188	VV	18	264	0.13%	0.063%	
138	11.202	11.188	11.212	VV	24	230	0.11%	0.055%	
139	11.220	11.212	11.235	VV	15	149	0.07%	0.036%	
140	11.243	11.235	11.248	VV	15	95	0.05%	0.023%	
141	11.266	11.248	11.275	VV	25	262	0.13%	0.063%	

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142	11.294	11.275	11.323	VV	27	469	0.23%	0.112%
143	11.336	11.323	11.345	PV	20	173	0.08%	0.041%
144	11.353	11.345	11.363	VV	21	175	0.09%	0.042%
145	11.406	11.363	11.420	VV	23	577	0.28%	0.138%
146	11.439	11.420	11.450	VV	22	301	0.15%	0.072%
147	11.459	11.450	11.467	VV	28	178	0.09%	0.043%
148	11.480	11.467	11.507	VV	42	550	0.27%	0.132%
149	11.532	11.507	11.554	VV	23	513	0.25%	0.123%
150	11.560	11.554	11.567	VV	23	144	0.07%	0.034%
151	11.576	11.567	11.589	VV	26	270	0.13%	0.065%
152	11.601	11.589	11.612	VV	26	270	0.13%	0.065%
153	11.625	11.612	11.640	VV	25	346	0.17%	0.083%
154	11.654	11.640	11.664	VV	34	333	0.16%	0.080%
155	11.718	11.664	11.732	VV	40	828	0.41%	0.198%
156	11.783	11.732	11.792	VV	24	591	0.29%	0.141%
157	11.799	11.792	11.811	VV	26	189	0.09%	0.045%
158	11.857	11.811	11.877	VV	40	901	0.44%	0.216%
159	11.910	11.877	11.938	VV	35	1055	0.52%	0.252%
160	11.947	11.938	11.981	VV	25	536	0.26%	0.128%
161	11.993	11.981	12.004	VV	20	235	0.12%	0.056%
162	12.036	12.004	12.058	VV	27	514	0.25%	0.123%
163	12.085	12.058	12.112	VV	45	826	0.41%	0.198%
164	12.127	12.112	12.164	VV	29	638	0.31%	0.153%
165	12.173	12.164	12.232	VV	26	746	0.37%	0.179%
166	12.245	12.232	12.252	VV	18	162	0.08%	0.039%
167	12.266	12.252	12.296	VV	24	373	0.18%	0.089%
168	12.321	12.296	12.340	VV	21	305	0.15%	0.073%
169	12.350	12.340	12.358	VV	24	173	0.09%	0.042%
170	12.366	12.358	12.396	VV	27	439	0.22%	0.105%
171	12.410	12.396	12.427	VV	20	291	0.14%	0.070%
172	12.476	12.427	12.498	VV	28	713	0.35%	0.171%
173	12.528	12.498	12.536	VV	26	404	0.20%	0.097%
174	12.545	12.536	12.557	VV	43	313	0.15%	0.075%
175	12.564	12.557	12.571	VV	18	124	0.06%	0.030%
176	12.600	12.571	12.611	VV	37	583	0.29%	0.139%
177	12.620	12.611	12.630	VV	33	299	0.15%	0.072%
178	12.640	12.630	12.652	VV	37	368	0.18%	0.088%
179	12.662	12.652	12.680	VV	38	423	0.21%	0.101%
180	12.760	12.680	12.793	PV	47	2033	1.00%	0.487%
181	12.800	12.793	12.815	VV	35	383	0.19%	0.092%
182	12.830	12.815	12.840	VV	34	441	0.22%	0.105%
183	12.900	12.840	12.954	VV	61	3018	1.48%	0.722%
184	12.966	12.954	12.999	VV	31	729	0.36%	0.175%
185	13.012	12.999	13.020	VV	34	350	0.17%	0.084%
186	13.031	13.020	13.051	VV	36	539	0.26%	0.129%
187	13.060	13.051	13.118	VV	40	1070	0.52%	0.256%
188	13.127	13.118	13.145	VV	26	347	0.17%	0.083%
189	13.212	13.145	13.228	VV	48	1852	0.91%	0.443%
190	13.235	13.228	13.282	VV	35	779	0.38%	0.186%
191	13.291	13.282	13.307	VV	27	265	0.13%	0.063%
192	13.313	13.307	13.319	VV	21	122	0.06%	0.029%
193	13.346	13.319	13.380	VV	29	678	0.33%	0.162%
194	13.413	13.380	13.435	VV	15	349	0.17%	0.083%

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195	13.444	13.435	13.461	VV	23	270	0.13%	0.065%
196	13.485	13.461	13.515	VV	36	650	0.32%	0.156%
197	13.537	13.515	13.563	VV	29	580	0.28%	0.139%
198	13.573	13.563	13.597	VV	27	368	0.18%	0.088%
199	13.613	13.597	13.650	VV	32	657	0.32%	0.157%
200	13.667	13.650	13.680	VV	19	181	0.09%	0.043%
201	13.695	13.680	13.713	VV	20	280	0.14%	0.067%
202	13.735	13.713	13.754	VV	40	497	0.24%	0.119%
203	13.791	13.754	13.801	VV	41	795	0.39%	0.190%
204	13.806	13.801	13.830	VV	25	353	0.17%	0.085%
205	13.856	13.830	13.875	VV	45	899	0.44%	0.215%
206	13.887	13.875	13.915	VV	51	842	0.41%	0.202%
207	13.930	13.915	13.938	VV	37	466	0.23%	0.112%
208	13.950	13.938	13.978	VV	48	918	0.45%	0.220%
209	14.024	13.978	14.037	VV	59	1561	0.77%	0.374%
210	14.095	14.037	14.184	VV	112	7802	3.83%	1.867%
211	14.192	14.184	14.259	VV	93	2259	1.11%	0.541%
212	14.286	14.259	14.325	VV	37	899	0.44%	0.215%
213	14.379	14.325	14.429	VV	34	1552	0.76%	0.371%
214	14.471	14.429	14.540	VV	37	1282	0.63%	0.307%
215	14.561	14.540	14.618	VV	25	865	0.42%	0.207%
216	14.628	14.618	14.652	VV	33	310	0.15%	0.074%
217	14.689	14.652	14.704	PV	22	432	0.21%	0.103%
218	14.758	14.704	14.805	VV	25	1022	0.50%	0.244%
219	14.836	14.805	14.858	VV	28	444	0.22%	0.106%
220	15.076	14.858	15.108	VV	69	4603	2.26%	1.102%
221	15.144	15.108	15.181	VV	47	1232	0.60%	0.295%
222	15.208	15.181	15.236	VV	36	816	0.40%	0.195%
223	15.254	15.236	15.306	VV	33	810	0.40%	0.194%
224	15.320	15.306	15.342	VV	40	598	0.29%	0.143%
225	15.362	15.342	15.375	VV	34	590	0.29%	0.141%
226	15.396	15.375	15.417	VV	56	1060	0.52%	0.254%
227	15.433	15.417	15.461	VV	46	1093	0.54%	0.262%
228	15.476	15.461	15.562	VV	37	2036	1.00%	0.487%
229	15.581	15.562	15.597	VV	24	399	0.20%	0.096%
230	15.621	15.597	15.648	VV	32	798	0.39%	0.191%
231	15.671	15.648	15.684	VV	35	641	0.31%	0.153%
232	15.743	15.684	15.756	VV	51	1698	0.83%	0.406%
233	15.798	15.756	15.843	VV	61	2602	1.28%	0.623%
234	15.893	15.843	15.924	VV	52	1944	0.95%	0.465%
235	15.990	15.924	16.010	VV	61	2251	1.10%	0.539%
236	16.024	16.010	16.085	VV	42	779	0.38%	0.186%
237	16.189	16.085	16.294	PV	61	4304	2.11%	1.030%
238	16.319	16.294	16.332	VV	23	485	0.24%	0.116%
239	16.347	16.332	16.363	VV	23	386	0.19%	0.092%
240	16.378	16.363	16.424	VV	33	847	0.42%	0.203%
241	16.482	16.424	16.572	VV	40	2087	1.02%	0.499%
242	16.656	16.572	16.678	VV	23	915	0.45%	0.219%
243	16.688	16.678	16.709	VV	26	326	0.16%	0.078%
244	16.807	16.709	16.859	VV	96	5590	2.74%	1.338%
245	16.893	16.859	16.920	VV	82	2564	1.26%	0.614%
246	16.937	16.920	17.006	VV	54	1445	0.71%	0.346%

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247	17.049	17.006	17.076	VV	20	363	0.18%	0.087%
248	17.094	17.076	17.107	PV	18	162	0.08%	0.039%
				Sum of corrected areas:			417840	

FB062325.M Fri Jun 27 00:52:27 2025

Report of Analysis

Client:	CDM Smith	Date Collected:	06/24/25
Project:	South River WM Replacement	Date Received:	06/24/25
Client Sample ID:	TP-73	SDG No.:	Q2413
Lab Sample ID:	Q2413-05	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	77.1
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
FB031941.D	50	06/26/25 16:09	FB062625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	536	U	536	2920	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	15.6		50 - 150	78%	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\FB062625\
Data File : FB031941.D
Signal(s) : FID2B.CH
Acq On : 26 Jun 2025 16:09
Operator : YP/AJ
Sample : Q2413-05 50X
Misc : 5.00G/5.00 ML MEOH
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-73

Integration File: Calibration.e
Quant Time: Jun 27 00:30:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
Quant Title :
QLast Update : Mon Jun 23 13:56:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
5) s AAA-TFT	8.797	241049	15.624 ng/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

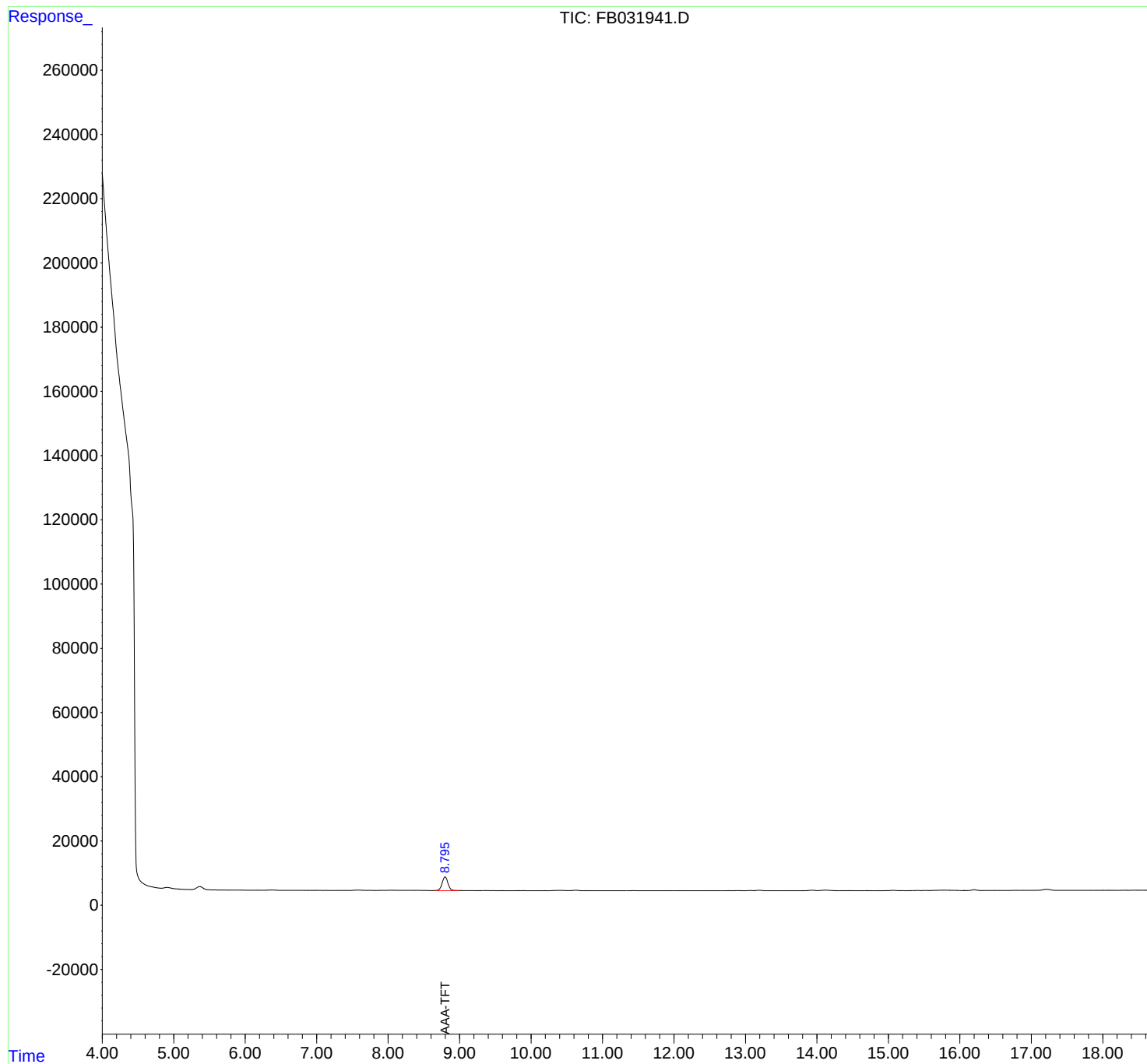
(m)=manual int.

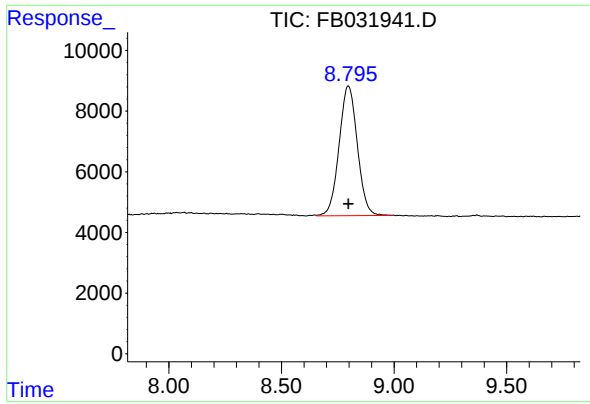
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB062625\
Data File : FB031941.D
Signal(s) : FID2B.CH
Acq On : 26 Jun 2025 16:09
Operator : YP/AJ
Sample : Q2413-05 50X
Misc : 5.00G/5.00 ML MEOH
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-73

Integration File: Calibration.e
Quant Time: Jun 27 00:30:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
Quant Title :
QLast Update : Mon Jun 23 13:56:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#5 AAA-TFT

R.T.: 8.797 min
Delta R.T.: 0.000 min
Response: 241049
Conc: 15.62 ng/ml

Instrument :
FID_B
ClientSampleId :
TP-73

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB062625\
 Data File : FB031941.D
 Signal(s) : FID2B.CH
 Acq On : 26 Jun 2025 16:09
 Sample : Q2413-05 50X
 Misc : 5.00G/5.00 ML MEOH
 ALS Vial : 1 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
 Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	5.585	5.567	5.620	VV	35	715	0.29%	0.149%
2	5.628	5.620	5.638	PV	25	130	0.05%	0.027%
3	5.654	5.638	5.682	VV	21	381	0.16%	0.080%
4	5.706	5.682	5.749	VV	27	622	0.25%	0.130%
5	5.758	5.749	5.795	VV	25	231	0.09%	0.048%
6	5.817	5.795	5.837	VV	19	224	0.09%	0.047%
7	5.872	5.837	5.882	VV	20	319	0.13%	0.067%
8	5.888	5.882	5.911	PV	16	162	0.07%	0.034%
9	5.926	5.911	5.949	VV	21	285	0.12%	0.060%
10	5.957	5.949	5.965	VV	15	86	0.03%	0.018%
11	5.976	5.965	5.990	VV	20	153	0.06%	0.032%
12	5.997	5.990	6.046	PV	10	199	0.08%	0.041%
13	6.054	6.046	6.082	VV	12	111	0.05%	0.023%
14	6.109	6.082	6.139	PV	18	338	0.14%	0.070%
15	6.149	6.139	6.166	VV	29	269	0.11%	0.056%
16	6.178	6.166	6.218	VV	29	487	0.20%	0.102%
17	6.244	6.218	6.267	VV	32	539	0.22%	0.112%
18	6.376	6.267	6.405	VV	123	6183	2.52%	1.289%
19	6.412	6.405	6.477	VV	87	2303	0.94%	0.480%
20	6.485	6.477	6.497	VV	29	232	0.09%	0.048%
21	6.510	6.497	6.525	VV	30	214	0.09%	0.045%
22	6.554	6.525	6.589	PV	20	444	0.18%	0.093%
23	6.616	6.589	6.627	VV	25	313	0.13%	0.065%
24	6.652	6.627	6.691	VV	23	506	0.21%	0.105%
25	6.698	6.691	6.709	VV	19	141	0.06%	0.029%
26	6.731	6.709	6.752	VV	21	362	0.15%	0.076%
27	6.761	6.752	6.773	VV	24	259	0.11%	0.054%
28	6.800	6.773	6.829	VV	30	591	0.24%	0.123%
29	6.856	6.829	6.873	VV	31	351	0.14%	0.073%
30	6.910	6.873	6.925	PV	26	402	0.16%	0.084%
31	6.939	6.925	6.955	VV	17	205	0.08%	0.043%
32	6.967	6.955	6.984	VV	23	249	0.10%	0.052%
33	6.999	6.984	7.011	VV	22	271	0.11%	0.056%
34	7.020	7.011	7.027	VV	26	194	0.08%	0.040%
35	7.061	7.027	7.109	VV	40	1027	0.42%	0.214%
36	7.126	7.109	7.135	VV	35	388	0.16%	0.081%

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37	7.141	7.135	7.153	VV	32	206	0.08%	0.043%	
38	7.174	7.153	7.182	VV	10	114	0.05%	0.024%	
39	7.218	7.182	7.267	PV	20	573	0.23%	0.120%	
40	7.279	7.267	7.311	VV	24	390	0.16%	0.081%	
41	7.327	7.311	7.355	VV	35	579	0.24%	0.121%	
42	7.371	7.355	7.387	VV	24	319	0.13%	0.067%	
43	7.413	7.387	7.437	VV	36	700	0.29%	0.146%	
44	7.446	7.437	7.457	VV	25	248	0.10%	0.052%	
45	7.575	7.457	7.659	VV	152	11143	4.54%	2.324%	
46	7.669	7.659	7.717	VV	81	2109	0.86%	0.440%	
47	7.736	7.717	7.756	VV	52	1017	0.41%	0.212%	
48	7.766	7.756	7.805	VV	56	1163	0.47%	0.243%	
49	7.824	7.805	7.841	VV	47	617	0.25%	0.129%	
50	7.860	7.841	7.868	VV	39	554	0.23%	0.116%	
51	7.882	7.868	7.891	VV	62	668	0.27%	0.139%	
52	7.903	7.891	7.911	VV	62	657	0.27%	0.137%	
53	7.936	7.911	7.947	VV	82	1437	0.59%	0.300%	
54	7.952	7.947	7.979	VV	74	1287	0.52%	0.268%	
55	8.000	7.979	8.012	VV	89	1616	0.66%	0.337%	
56	8.035	8.012	8.052	VV	110	2333	0.95%	0.487%	
57	8.069	8.052	8.080	VV	110	1707	0.70%	0.356%	
58	8.100	8.080	8.113	VV	105	1840	0.75%	0.384%	
59	8.123	8.113	8.146	VV	86	1596	0.65%	0.333%	
60	8.157	8.146	8.174	VV	89	1287	0.52%	0.268%	
61	8.186	8.174	8.203	VV	89	1367	0.56%	0.285%	
62	8.212	8.203	8.220	VV	81	739	0.30%	0.154%	
63	8.228	8.220	8.247	VV	80	1177	0.48%	0.246%	
64	8.257	8.247	8.279	VV	81	1333	0.54%	0.278%	
65	8.323	8.279	8.332	VV	74	2096	0.85%	0.437%	
66	8.336	8.332	8.346	VV	71	540	0.22%	0.113%	
67	8.355	8.346	8.365	VV	70	724	0.29%	0.151%	
68	8.371	8.365	8.381	VV	59	515	0.21%	0.107%	
69	8.397	8.381	8.452	VV	77	2604	1.06%	0.543%	
70	8.466	8.452	8.485	VV	59	1013	0.41%	0.211%	
71	8.505	8.485	8.549	VV	65	1729	0.70%	0.361%	
72	8.556	8.549	8.610	VV	37	807	0.33%	0.168%	
73	8.648	8.610	8.655	VV	41	673	0.27%	0.140%	
74	8.797	8.655	8.991	VV	4302	245585	100.00%	51.222%	
75	8.998	8.991	9.008	VV	43	364	0.15%	0.076%	
76	9.015	9.008	9.043	VV	38	692	0.28%	0.144%	
77	9.053	9.043	9.093	VV	36	744	0.30%	0.155%	
78	9.103	9.093	9.113	VV	27	238	0.10%	0.050%	
79	9.121	9.113	9.130	VV	21	171	0.07%	0.036%	
80	9.168	9.130	9.180	VV	31	624	0.25%	0.130%	
81	9.194	9.180	9.236	VV	34	585	0.24%	0.122%	
82	9.245	9.236	9.253	PV	14	73	0.03%	0.015%	
83	9.279	9.253	9.296	VV	33	414	0.17%	0.086%	
84	9.369	9.296	9.390	VV	60	1514	0.62%	0.316%	
85	9.401	9.390	9.441	VV	29	597	0.24%	0.124%	
86	9.453	9.441	9.472	VV	29	364	0.15%	0.076%	
87	9.483	9.472	9.501	VV	27	309	0.13%	0.064%	
88	9.533	9.501	9.550	VV	18	306	0.12%	0.064%	
89	9.564	9.550	9.573	VV	20	139	0.06%	0.029%	

					rteres				
90	9.588	9.573	9.599	VV	19	213	0.09%	0.044%	
91	9.619	9.599	9.637	VV	25	330	0.13%	0.069%	
92	9.645	9.637	9.655	VV	10	52	0.02%	0.011%	
93	9.668	9.655	9.703	PV	20	309	0.13%	0.065%	
94	9.735	9.703	9.746	VV	14	291	0.12%	0.061%	
95	9.753	9.746	9.761	VV	9	71	0.03%	0.015%	
96	9.812	9.761	9.820	VV	26	585	0.24%	0.122%	
97	9.828	9.820	9.847	VV	26	330	0.13%	0.069%	
98	9.865	9.847	9.901	VV	40	802	0.33%	0.167%	
99	9.913	9.901	9.957	VV	35	630	0.26%	0.131%	
100	9.966	9.957	10.026	VV	20	532	0.22%	0.111%	
101	10.040	10.026	10.052	VV	17	160	0.07%	0.033%	
102	10.072	10.052	10.083	VV	14	213	0.09%	0.044%	
103	10.092	10.083	10.108	VV	20	204	0.08%	0.042%	
104	10.127	10.108	10.135	VV	23	243	0.10%	0.051%	
105	10.147	10.135	10.157	VV	19	201	0.08%	0.042%	
106	10.197	10.157	10.207	VV	34	606	0.25%	0.126%	
107	10.216	10.207	10.228	VV	17	144	0.06%	0.030%	
108	10.309	10.228	10.320	VV	76	2007	0.82%	0.419%	
109	10.398	10.320	10.421	VV	116	5450	2.22%	1.137%	
110	10.431	10.421	10.447	VV	112	1461	0.59%	0.305%	
111	10.454	10.447	10.495	VV	80	1854	0.75%	0.387%	
112	10.505	10.495	10.523	VV	58	840	0.34%	0.175%	
113	10.620	10.523	10.725	VV	167	9870	4.02%	2.059%	
114	10.730	10.725	10.757	VV	33	542	0.22%	0.113%	
115	10.766	10.757	10.777	VV	36	364	0.15%	0.076%	
116	10.788	10.777	10.809	VV	46	629	0.26%	0.131%	
117	10.823	10.809	10.833	VV	43	434	0.18%	0.091%	
118	10.841	10.833	10.857	VV	29	348	0.14%	0.073%	
119	10.867	10.857	10.875	VV	37	299	0.12%	0.062%	
120	10.882	10.875	10.900	VV	32	292	0.12%	0.061%	
121	10.908	10.900	10.925	VV	34	308	0.13%	0.064%	
122	10.935	10.925	10.952	VV	24	314	0.13%	0.066%	
123	10.960	10.952	10.976	VV	32	284	0.12%	0.059%	
124	10.993	10.976	11.031	VV	34	719	0.29%	0.150%	
125	11.040	11.031	11.054	VV	19	209	0.09%	0.044%	
126	11.064	11.054	11.086	VV	34	369	0.15%	0.077%	
127	11.100	11.086	11.142	VV	27	700	0.29%	0.146%	
128	11.166	11.142	11.197	VV	35	793	0.32%	0.165%	
129	11.211	11.197	11.228	VV	32	388	0.16%	0.081%	
130	11.240	11.228	11.250	VV	27	238	0.10%	0.050%	
131	11.278	11.250	11.289	VV	39	538	0.22%	0.112%	
132	11.299	11.289	11.314	VV	37	335	0.14%	0.070%	
133	11.325	11.314	11.360	PV	43	656	0.27%	0.137%	
134	11.374	11.360	11.383	VV	16	172	0.07%	0.036%	
135	11.426	11.383	11.488	VV	74	2678	1.09%	0.559%	
136	11.496	11.488	11.517	VV	34	505	0.21%	0.105%	
137	11.526	11.517	11.539	VV	39	421	0.17%	0.088%	
138	11.552	11.539	11.565	VV	37	460	0.19%	0.096%	
139	11.590	11.565	11.599	VV	31	517	0.21%	0.108%	
140	11.608	11.599	11.634	VV	24	408	0.17%	0.085%	
141	11.643	11.634	11.669	VV	36	556	0.23%	0.116%	

					rteres			
142	11.680	11.669	11.716	VV	36	662	0.27%	0.138%
143	11.765	11.716	11.793	VV	37	1127	0.46%	0.235%
144	11.825	11.793	11.864	VV	35	945	0.38%	0.197%
145	11.881	11.864	11.894	VV	59	595	0.24%	0.124%
146	11.901	11.894	11.918	VV	28	271	0.11%	0.057%
147	11.933	11.918	11.955	VV	33	535	0.22%	0.112%
148	11.993	11.955	12.003	VV	29	552	0.22%	0.115%
149	12.009	12.003	12.031	VV	23	309	0.13%	0.065%
150	12.042	12.031	12.062	VV	26	357	0.15%	0.074%
151	12.072	12.062	12.110	VV	33	676	0.28%	0.141%
152	12.122	12.110	12.141	VV	45	555	0.23%	0.116%
153	12.146	12.141	12.155	VV	31	196	0.08%	0.041%
154	12.163	12.155	12.173	VV	28	198	0.08%	0.041%
155	12.180	12.173	12.189	VV	22	147	0.06%	0.031%
156	12.220	12.189	12.250	VV	31	688	0.28%	0.144%
157	12.325	12.250	12.335	VV	37	810	0.33%	0.169%
158	12.371	12.335	12.412	VV	32	1152	0.47%	0.240%
159	12.429	12.412	12.448	VV	49	551	0.22%	0.115%
160	12.470	12.448	12.494	VV	27	594	0.24%	0.124%
161	12.504	12.494	12.520	VV	31	363	0.15%	0.076%
162	12.529	12.520	12.545	VV	30	312	0.13%	0.065%
163	12.566	12.545	12.576	VV	41	496	0.20%	0.103%
164	12.582	12.576	12.593	VV	30	193	0.08%	0.040%
165	12.629	12.593	12.663	VV	29	747	0.30%	0.156%
166	12.675	12.663	12.687	VV	27	282	0.11%	0.059%
167	12.715	12.687	12.729	VV	36	660	0.27%	0.138%
168	12.744	12.729	12.757	VV	46	599	0.24%	0.125%
169	12.771	12.757	12.796	VV	56	854	0.35%	0.178%
170	12.815	12.796	12.828	VV	26	389	0.16%	0.081%
171	12.852	12.828	12.861	VV	54	629	0.26%	0.131%
172	12.879	12.861	12.901	VV	58	1125	0.46%	0.235%
173	12.914	12.901	12.941	VV	71	1254	0.51%	0.262%
174	12.954	12.941	12.967	VV	54	574	0.23%	0.120%
175	12.982	12.967	13.015	VV	32	764	0.31%	0.159%
176	13.063	13.015	13.132	VV	81	3919	1.60%	0.817%
177	13.195	13.132	13.337	VV	156	8825	3.59%	1.841%
178	13.362	13.337	13.371	VV	27	365	0.15%	0.076%
179	13.385	13.371	13.420	VV	40	746	0.30%	0.156%
180	13.430	13.420	13.439	PV	25	176	0.07%	0.037%
181	13.450	13.439	13.467	VV	34	392	0.16%	0.082%
182	13.476	13.467	13.497	VV	26	342	0.14%	0.071%
183	13.506	13.497	13.512	VV	23	135	0.05%	0.028%
184	13.545	13.512	13.562	VV	28	547	0.22%	0.114%
185	13.577	13.562	13.590	VV	36	342	0.14%	0.071%
186	13.601	13.590	13.618	VV	31	366	0.15%	0.076%
187	13.626	13.618	13.644	VV	25	351	0.14%	0.073%
188	13.656	13.644	13.683	VV	24	436	0.18%	0.091%
189	13.694	13.683	13.713	VV	26	267	0.11%	0.056%
190	13.721	13.713	13.730	VV	35	177	0.07%	0.037%
191	13.741	13.730	13.761	VV	16	221	0.09%	0.046%
192	13.809	13.761	13.834	VV	37	1076	0.44%	0.224%
193	13.920	13.834	14.001	VV	160	9082	3.70%	1.894%
194	14.103	14.001	14.114	VV	184	6852	2.79%	1.429%

					rteres			
195	14.129	14.114	14.262	VV	193	9478	3.86%	1.977%
196	14.271	14.262	14.301	VV	27	365	0.15%	0.076%
197	14.337	14.301	14.371	VV	30	821	0.33%	0.171%
198	14.385	14.371	14.415	VV	38	625	0.25%	0.130%
199	14.458	14.415	14.473	VV	45	909	0.37%	0.190%
200	14.484	14.473	14.499	VV	25	266	0.11%	0.055%
201	14.518	14.499	14.535	VV	31	378	0.15%	0.079%
202	14.549	14.535	14.590	VV	25	425	0.17%	0.089%
203	14.613	14.590	14.626	VV	21	327	0.13%	0.068%
204	14.636	14.626	14.646	VV	22	179	0.07%	0.037%
205	14.697	14.646	14.709	VV	32	787	0.32%	0.164%
206	14.727	14.709	14.736	VV	21	238	0.10%	0.050%
207	14.759	14.736	14.769	VV	24	277	0.11%	0.058%
208	14.781	14.769	14.810	VV	18	233	0.09%	0.049%
209	14.862	14.810	14.874	VV	22	367	0.15%	0.077%
210	14.882	14.874	14.912	VV	22	330	0.13%	0.069%
211	14.953	14.912	14.968	VV	34	667	0.27%	0.139%
212	14.978	14.968	14.994	VV	26	334	0.14%	0.070%
213	15.066	14.994	15.167	VV	119	6106	2.49%	1.274%
214	15.186	15.167	15.210	VV	41	709	0.29%	0.148%
215	15.219	15.210	15.234	VV	33	255	0.10%	0.053%
216	15.250	15.234	15.273	PV	14	213	0.09%	0.044%
217	15.284	15.273	15.291	VV	14	108	0.04%	0.023%
218	15.301	15.291	15.348	VV	17	346	0.14%	0.072%
219	15.359	15.348	15.372	VV	32	252	0.10%	0.053%
220	15.427	15.372	15.456	VV	43	1490	0.61%	0.311%
221	15.493	15.456	15.506	VV	32	714	0.29%	0.149%
222	15.512	15.506	15.525	VV	40	302	0.12%	0.063%
223	15.536	15.525	15.568	VV	37	449	0.18%	0.094%
224	15.601	15.568	15.609	PV	18	256	0.10%	0.053%
225	15.668	15.609	15.683	VV	71	1932	0.79%	0.403%
226	15.706	15.683	15.715	VV	90	1343	0.55%	0.280%
227	15.724	15.715	15.739	VV	82	1115	0.45%	0.233%
228	15.767	15.739	15.789	VV	92	2547	1.04%	0.531%
229	15.802	15.789	15.915	VB	95	3633	1.48%	0.758%
230	15.939	15.915	15.960	BV	19	295	0.12%	0.061%
231	15.967	15.960	16.022	VV	28	344	0.14%	0.072%
232	16.055	16.022	16.066	PV	13	182	0.07%	0.038%
233	16.080	16.066	16.109	VV	14	120	0.05%	0.025%
234	16.204	16.109	16.277	VV	256	11954	4.87%	2.493%
235	16.286	16.277	16.309	VV	32	405	0.17%	0.085%
236	16.325	16.309	16.339	VV	12	131	0.05%	0.027%
237	16.354	16.339	16.375	VV	26	330	0.13%	0.069%
238	16.430	16.375	16.453	PV	32	852	0.35%	0.178%
239	16.458	16.453	16.471	VV	25	156	0.06%	0.032%
240	16.488	16.471	16.509	VV	31	383	0.16%	0.080%
241	16.534	16.509	16.564	VV	22	348	0.14%	0.073%
242	16.594	16.564	16.617	PV	17	336	0.14%	0.070%
243	16.625	16.617	16.661	VV	15	220	0.09%	0.046%
244	16.678	16.661	16.689	PV	21	151	0.06%	0.032%
245	16.703	16.689	16.711	VV	18	129	0.05%	0.027%
246	16.732	16.711	16.742	VV	29	346	0.14%	0.072%

					rteres			
247	16.750	16.742	16.759	VV	33	244	0.10%	0.051%
248	16.776	16.759	16.803	VV	39	644	0.26%	0.134%
249	16.852	16.803	16.867	VV	53	1347	0.55%	0.281%
250	16.882	16.867	16.917	VV	60	1319	0.54%	0.275%
251	16.927	16.917	16.963	VV	41	818	0.33%	0.171%
252	17.010	16.963	17.026	VV	22	511	0.21%	0.107%
253	17.052	17.026	17.074	VV	23	382	0.16%	0.080%
Sum of corrected areas:							479456	

Report of Analysis

Client:	CDM Smith	Date Collected:	06/24/25
Project:	South River WM Replacement	Date Received:	06/24/25
Client Sample ID:	TP-72	SDG No.:	Q2413
Lab Sample ID:	Q2413-06	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	87
Sample Wt/Vol:	5.1	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
FB031942.D	50	06/26/25 16:36	FB062625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	2210	J	465	2540	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	15.5		50 - 150	78%	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\FB062625\
Data File : FB031942.D
Signal(s) : FID2B.CH
Acq On : 26 Jun 2025 16:36
Operator : YP/AJ
Sample : Q2413-06 50X
Misc : 5.10G/5.00 ML MEOH
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-72

Integration File: Calibration.e
Quant Time: Jun 27 00:30:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
Quant Title :
QLast Update : Mon Jun 23 13:56:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
5) s AAA-TFT	8.797	239406	15.518 ng/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

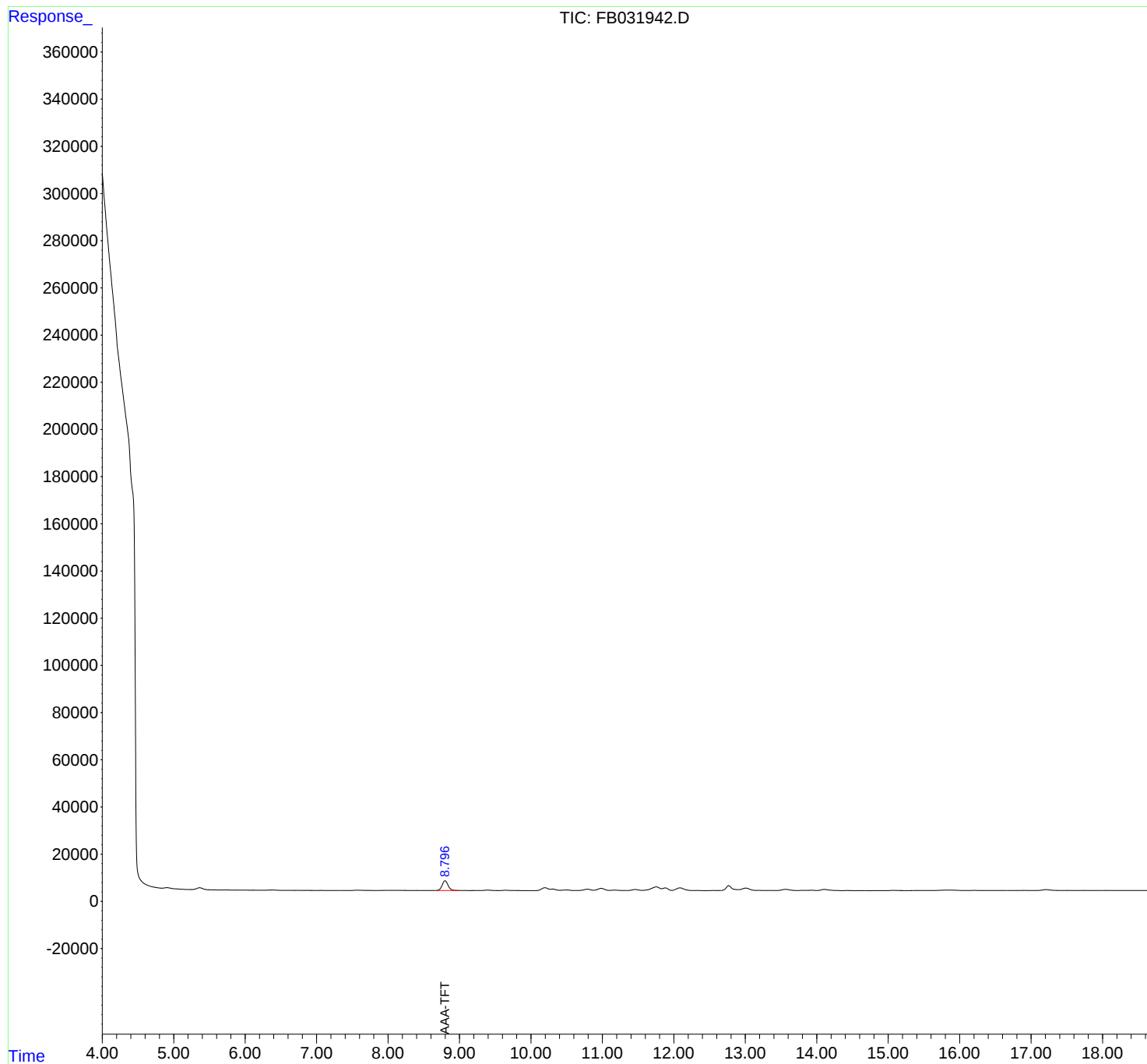
(m)=manual int.

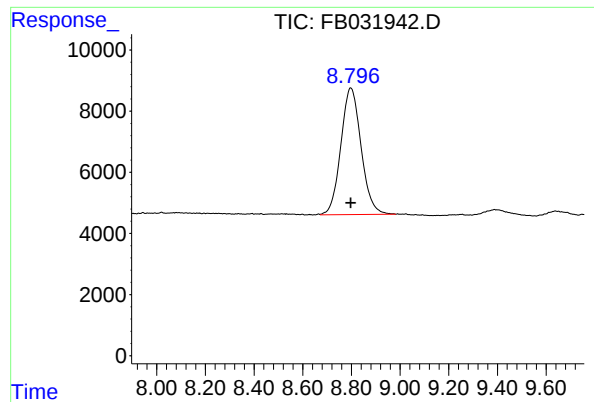
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB062625\
Data File : FB031942.D
Signal(s) : FID2B.CH
Acq On : 26 Jun 2025 16:36
Operator : YP/AJ
Sample : Q2413-06 50X
Misc : 5.10G/5.00 ML MEOH
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-72

Integration File: Calibration.e
Quant Time: Jun 27 00:30:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
Quant Title :
QLast Update : Mon Jun 23 13:56:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#5 AAA-TFT

R.T.: 8.797 min
Delta R.T.: 0.000 min
Response: 239406
Conc: 15.52 ng/ml

Instrument :
FID_B
ClientSampleId :
TP-72



CALIBRATION SUMMARY

GASOLINE RANGE ORGANICS INITIAL CALIBRATION SUMMARY

Lab Name: Chemtech Contract: CAMP02
 ProjectID: South River WM Replacement
 Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG No.: Q2413

Calibration Sequence : FB062325		Test : Gasoline Range Organics	
Concentration (PPB)	Area Count	Reference Factor	File ID
45	1490557	33123	FB031909.D
90	2566530	28517	FB031910.D
180	5166210	28701	FB031911.D
450	12609856	28022	FB031912.D
900	27368301	30409	FB031913.D
AVG RF : 29754		% RSD : 7.013	AVG RT : 8.798

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.: Q2413 SAS No.: Q2413 SDG No.: Q2413
DataFile: FB031931.D Analyst Name: YP/AJ Analyst Date: 06-26-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	4762065	26456	29754	11.084

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB062625\
 Data File : FB031931.D
 Signal(s) : FID2B.CH
 Acq On : 26 Jun 2025 10:31
 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 26 10:21:23 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
 Quant Title :
 QLast Update : Mon Jun 23 13:56:54 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	262848	17.037 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.706	650153	25.556 ng/ml
2) t 2,2,4-Trimethylpentane	7.418	798152	29.596 ng/ml
3) t n-Heptane	7.752	234700	9.406 ng/ml
4) t Benzene	7.891	321218	9.448 ng/ml
6) t Toluene	10.622	924567	25.856 ng/ml
7) t Ethylbenzene	13.057	274152	8.682 ng/ml
8) t m-Xylene	13.191	570978	17.408 ng/ml
9) t O-Xylene	13.918	536962	17.301 ng/ml
10) t 1,2,4-Trimethylbenzene	16.193	451183	17.064 ng/ml

(f)=RT Delta > 1/2 Window

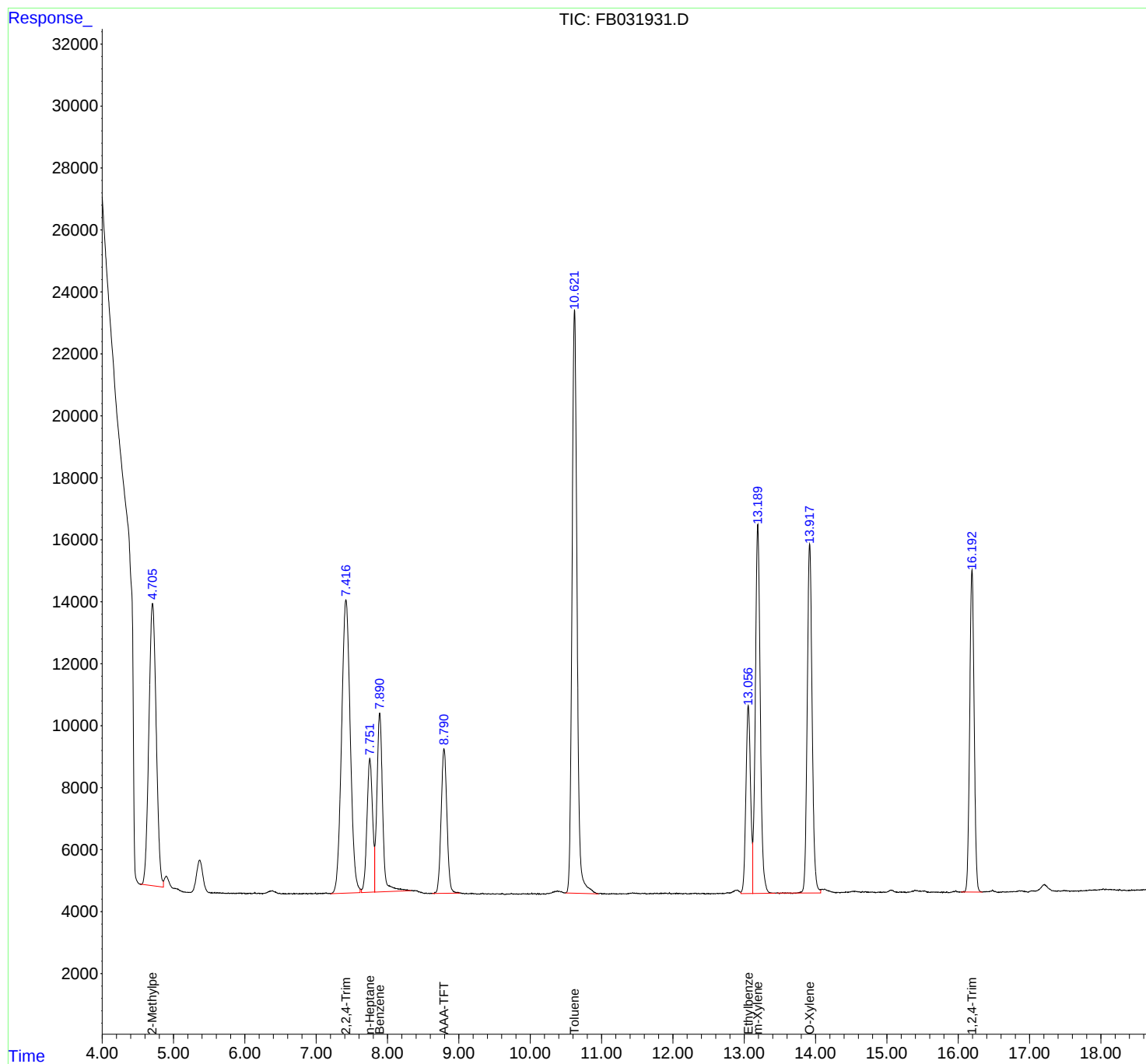
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB062625\
Data File : FB031931.D
Signal(s) : FID2B.CH
Acq On : 26 Jun 2025 10:31
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 26 10:21:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
Quant Title :
QLast Update : Mon Jun 23 13:56:54 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\FB062625\
Data File : FB031931.D
Signal(s) : FID2B.CH
Acq On : 26 Jun 2025 10:31
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.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	4.537	4.858	BV	9115	650153	70.32%	12.939%
2	7.418	7.200	7.616	PV	9466	798152	86.33%	15.884%
3	7.752	7.634	7.820	VV	4314	234700	25.38%	4.671%
4	7.891	7.820	8.331	VB	5771	321218	34.74%	6.392%
5	8.792	8.629	9.017	BV	4663	262848	28.43%	5.231%
6	10.622	10.496	10.958	BV	18831	924567	100.00%	18.400%
7	13.057	12.954	13.119	VV	6065	274152	29.65%	5.456%
8	13.191	13.119	13.438	VB	11904	570978	61.76%	11.363%
9	13.918	13.461	14.073	BV	11261	536962	58.08%	10.686%
10	16.193	16.041	16.339	BV	10396	451183	48.80%	8.979%

Sum of corrected areas: 5024913

FB062325.M Fri Jun 27 00:45:33 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.: Q2413 SAS No.: Q2413 SDG No.: Q2413
DataFile: FB031940.D Analyst Name: YP/AJ Analyst Date: 06-26-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	4613127	25628	29754	13.867

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB062625\
 Data File : FB031940.D
 Signal(s) : FID2B.CH
 Acq On : 26 Jun 2025 15:26
 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 27 00:30:39 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
 Quant Title :
 QLast Update : Mon Jun 23 13:56:54 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	8.799	249311	16.160 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.715	625810	24.599 ng/ml
2) t 2,2,4-Trimethylpentane	7.426	755025	27.997 ng/ml
3) t n-Heptane	7.759	227153	9.104 ng/ml
4) t Benzene	7.897	300928	8.851 ng/ml
6) t Toluene	10.628	912024	25.506 ng/ml
7) t Ethylbenzene	13.064	266567	8.442 ng/ml
8) t m-Xylene	13.197	555157	16.926 ng/ml
9) t O-Xylene	13.924	525165	16.920 ng/ml
10) t 1,2,4-Trimethylbenzene	16.199	445298	16.841 ng/ml

(f)=RT Delta > 1/2 Window

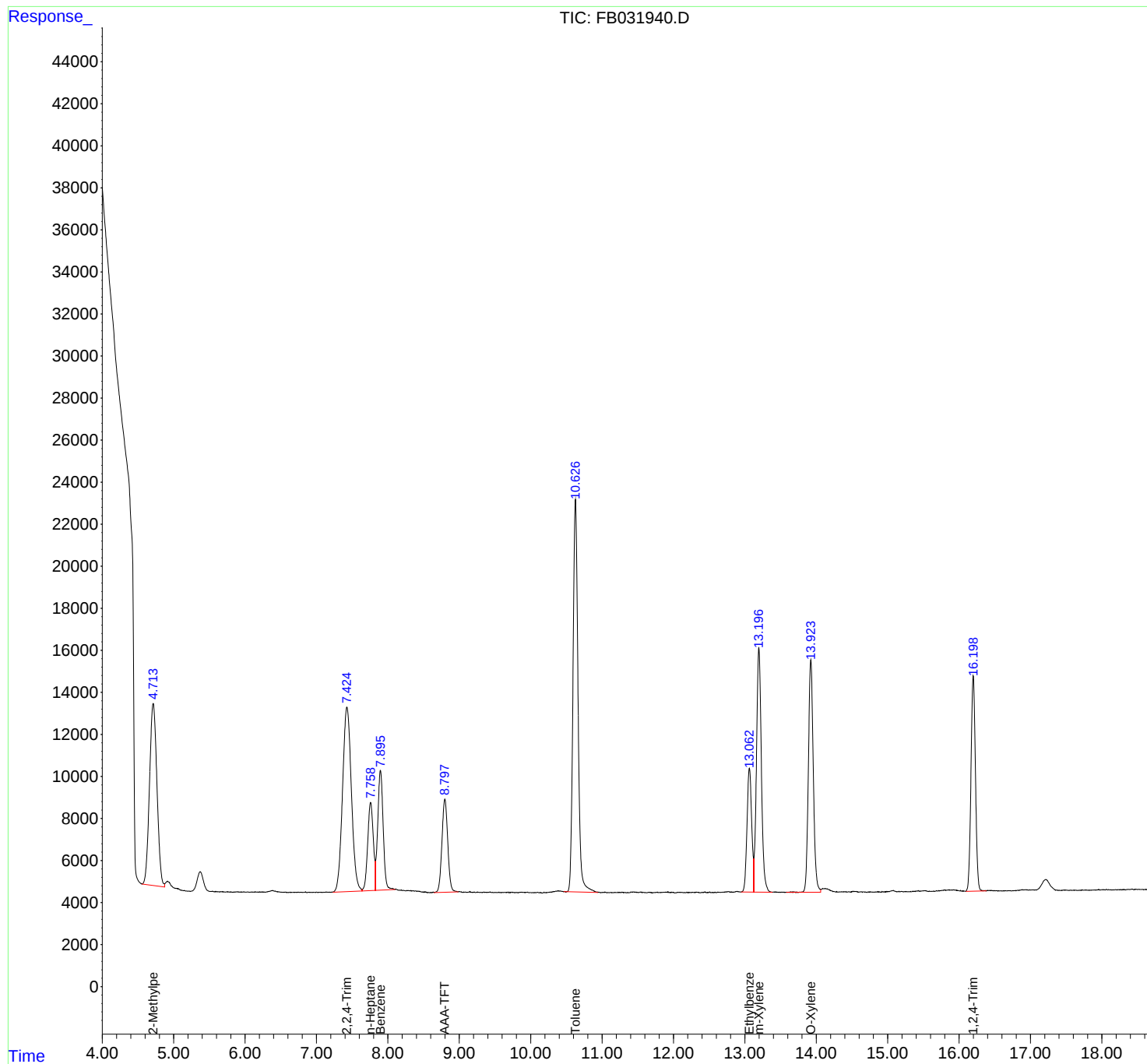
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB062625\
Data File : FB031940.D
Signal(s) : FID2B.CH
Acq On : 26 Jun 2025 15:26
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 27 00:30:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
Quant Title :
QLast Update : Mon Jun 23 13:56:54 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\FB062625\
Data File : FB031940.D
Signal(s) : FID2B.CH
Acq On : 26 Jun 2025 15:26
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.715	4.554	4.874	BV	8661	625810	68.62%	12.870%
2	7.426	7.228	7.639	PV	8778	755025	82.79%	15.528%
3	7.759	7.639	7.825	VV	4197	227153	24.91%	4.672%
4	7.897	7.825	8.103	VV	5697	300928	33.00%	6.189%
5	8.799	8.648	8.987	PV	4430	249311	27.34%	5.127%
6	10.628	10.466	10.944	BV	18650	912024	100.00%	18.757%
7	13.064	12.951	13.125	BV	5896	266567	29.23%	5.482%
8	13.197	13.125	13.388	VV	11617	555157	60.87%	11.417%
9	13.924	13.577	14.062	BV	11055	525165	57.58%	10.800%
10	16.199	16.094	16.383	BV	10234	445298	48.83%	9.158%

Sum of corrected areas: 4862437

FB062325.M Fri Jun 27 00:47:48 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.: Q2413 SAS No.: Q2413 SDG No.: Q2413
DataFile: FB031944.D Analyst Name: YP/AJ Analyst Date: 06-26-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	4646618	25815	29754	13.239

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB062625\
 Data File : FB031944.D
 Signal(s) : FID2B.CH
 Acq On : 26 Jun 2025 17:32
 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 27 00:31:09 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
 Quant Title :
 QLast Update : Mon Jun 23 13:56:54 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
5) s AAA-TFT	8.797	248981	16.138 ng/mlm
Target Compounds			
1) t 2-Methylpentane	4.710	618587	24.315 ng/ml
2) t 2,2,4-Trimethylpentane	7.424	769264	28.525 ng/ml
3) t n-Heptane	7.758	227506	9.118 ng/ml
4) t Benzene	7.895	301959	8.881 ng/ml
6) t Toluene	10.627	917142	25.649 ng/ml
7) t Ethylbenzene	13.064	269082	8.521 ng/ml
8) t m-Xylene	13.197	560672	17.094 ng/ml
9) t O-Xylene	13.924	531972	17.140 ng/ml
10) t 1,2,4-Trimethylbenzene	16.199	450434	17.036 ng/ml

(f)=RT Delta > 1/2 Window

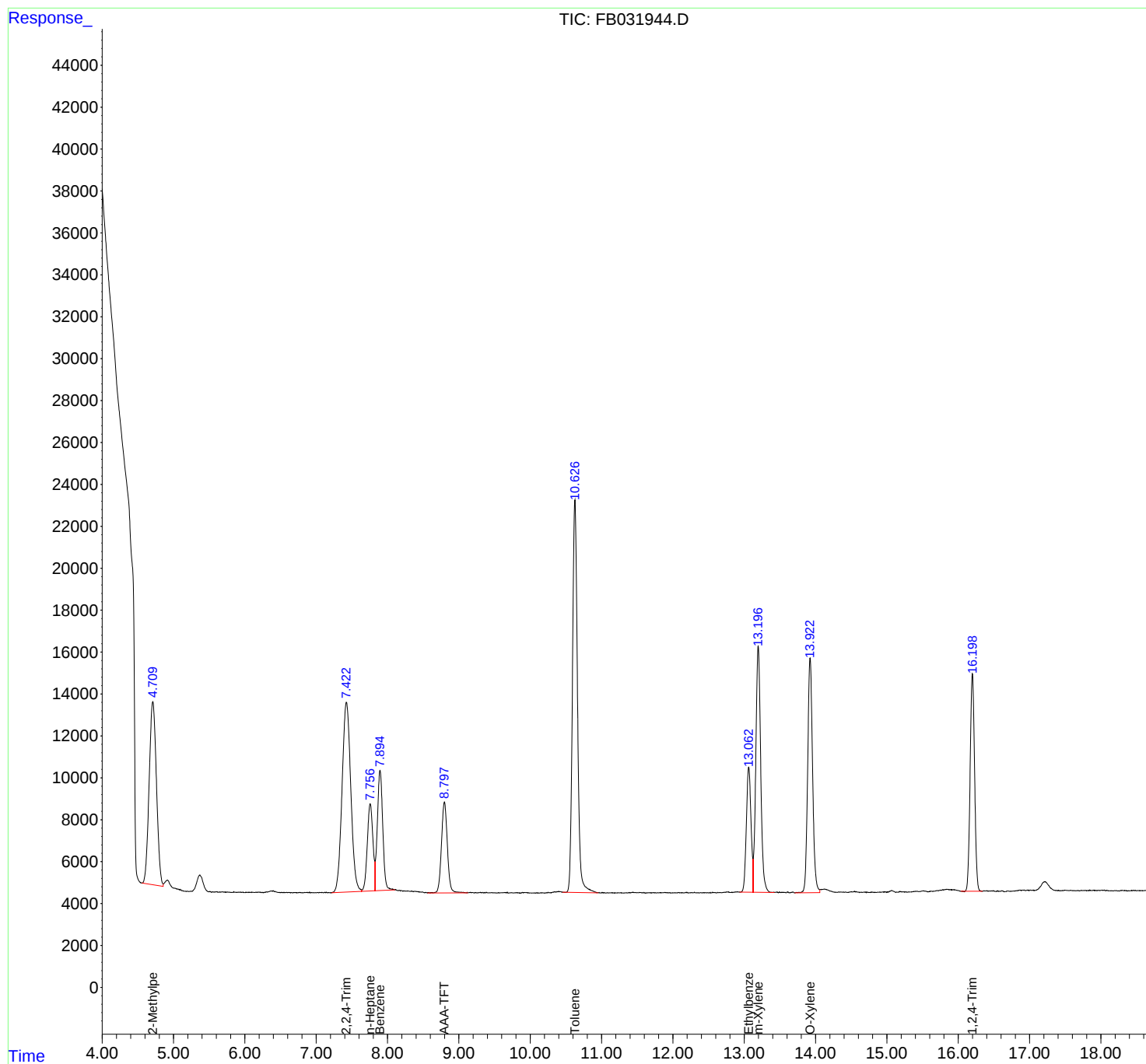
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB062625\
Data File : FB031944.D
Signal(s) : FID2B.CH
Acq On : 26 Jun 2025 17:32
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 27 00:31:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
Quant Title :
QLast Update : Mon Jun 23 13:56:54 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\FB062625\
Data File : FB031944.D
Signal(s) : FID2B.CH
Acq On : 26 Jun 2025 17:32
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.711	4.559	4.856	BV	8738	618587	67.45%	12.648%
2	7.424	7.218	7.635	BV	9063	769264	83.88%	15.728%
3	7.758	7.635	7.826	VV	4162	227506	24.81%	4.652%
4	7.895	7.826	8.105	VV	5728	301959	32.92%	6.174%
5	8.798	8.640	9.049	BV	4326	244299	26.64%	4.995%
6	10.627	10.455	10.956	BV	18719	917142	100.00%	18.752%
7	13.064	12.935	13.125	BV	5969	269082	29.34%	5.502%
8	13.197	13.125	13.424	VV	11745	560672	61.13%	11.464%
9	13.924	13.707	14.059	PV	11192	531972	58.00%	10.877%
10	16.199	16.038	16.341	BV	10379	450434	49.11%	9.210%

Sum of corrected areas: 4890918

FB062325.M Fri Jun 27 00:49:19 2025

Analytical Sequence

Client: CDM Smith

SDG No.: Q2413

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 8.798					
EPA SAMPLE NO.	LAB SAMPLE ID	DATE AND TIME ANALYZED	DATAFILE	RT	#
20 PPB GRO STD	20 PPB GRO STD	26 Jun 2025 10:31	FB031931.D	8.792	
VBF0626S1	VBF0626S1	26 Jun 2025 11:15	FB031932.D	8.796	
VBF0626S2	VBF0626S2	26 Jun 2025 11:43	FB031933.D	8.797	
BSF0626S1	BSF0626S1	26 Jun 2025 12:10	FB031934.D	8.797	
TP-35	Q2413-01	26 Jun 2025 12:51	FB031935.D	8.635	*
TP-34	Q2413-02	26 Jun 2025 13:36	FB031936.D	8.798	
TP-77	Q2413-03	26 Jun 2025 14:04	FB031937.D	8.644	*
TP-74	Q2413-04	26 Jun 2025 14:31	FB031938.D	8.623	*
BSF0626S2	BSF0626S2	26 Jun 2025 14:59	FB031939.D	8.799	
20 PPB GRO STD	20 PPB GRO STD	26 Jun 2025 15:26	FB031940.D	8.799	
TP-73	Q2413-05	26 Jun 2025 16:09	FB031941.D	8.648	*
TP-72	Q2413-06	26 Jun 2025 16:36	FB031942.D	8.628	*
20 PPB GRO STD	20 PPB GRO STD	26 Jun 2025 17:32	FB031944.D	8.798	



QC SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VBF0626S1	SDG No.:	Q2413
Lab Sample ID:	VBF0626S1	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
FB031932.D	1	06/26/25 11:15	FB062625

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	15.4		50 - 150	77%	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\FB062625\
Data File : FB031932.D
Signal(s) : FID2B.CH
Acq On : 26 Jun 2025 11:15
Operator : YP/AJ
Sample : VBF0626S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0626S1

Integration File: Calibration.e
Quant Time: Jun 26 11:06:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
Quant Title :
QLast Update : Mon Jun 23 13:56:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
5) s AAA-TFT	8.796	237274	15.380 ng/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

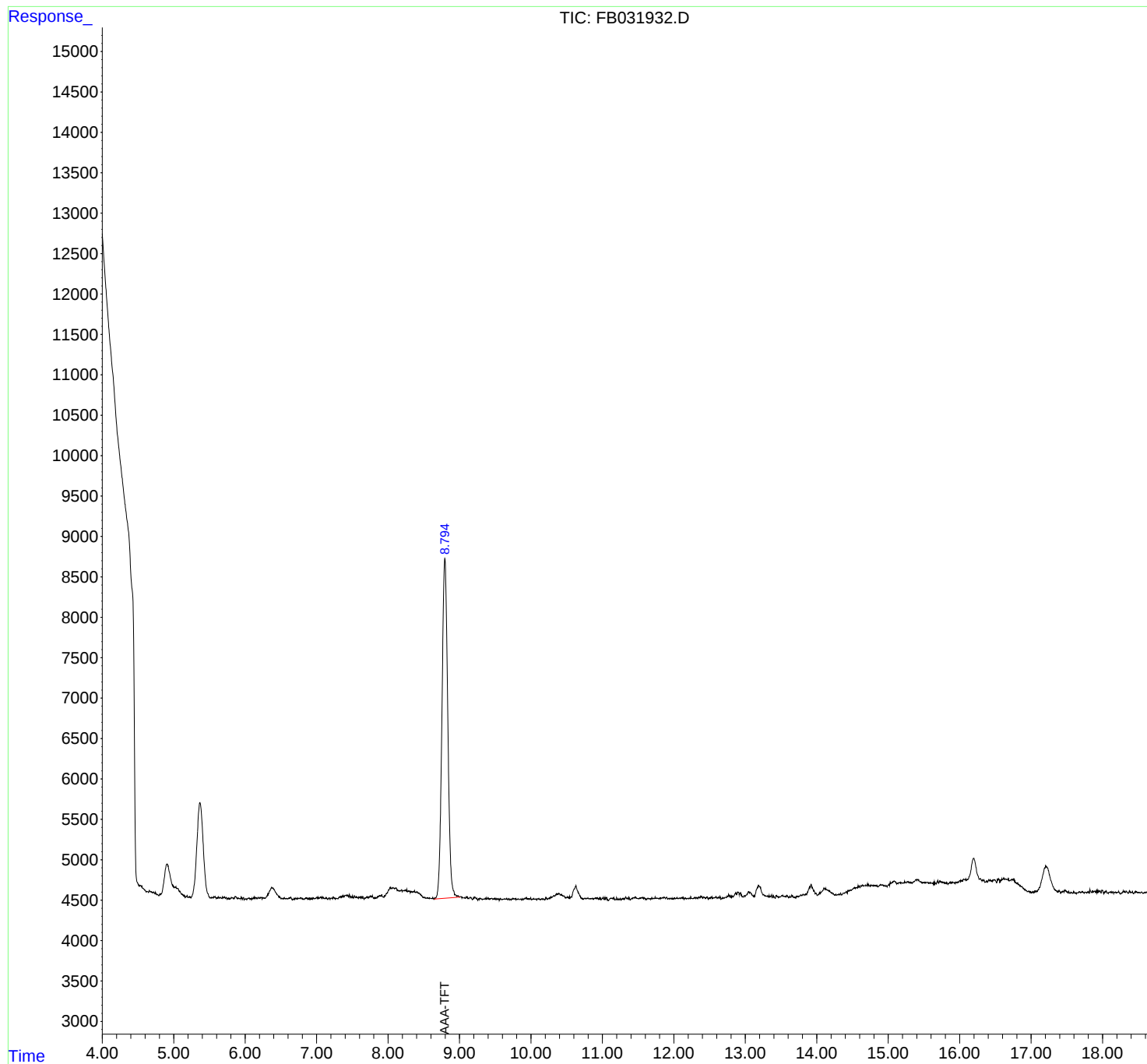
(m)=manual int.

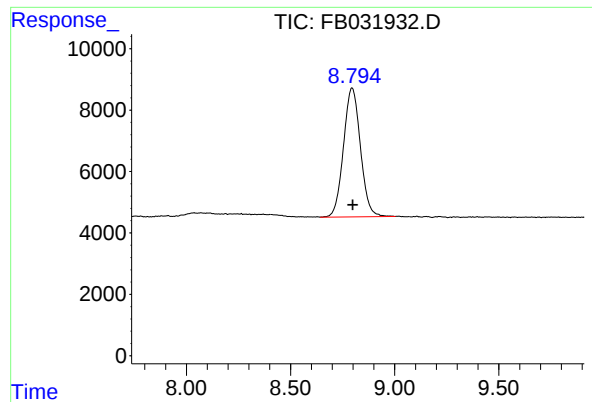
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB062625\
Data File : FB031932.D
Signal(s) : FID2B.CH
Acq On : 26 Jun 2025 11:15
Operator : YP/AJ
Sample : VBF0626S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0626S1

Integration File: Calibration.e
Quant Time: Jun 26 11:06:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
Quant Title :
QLast Update : Mon Jun 23 13:56:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#5 AAA-TFT

R.T.: 8.796 min
Delta R.T.: -0.002 min
Response: 237274
Conc: 15.38 ng/ml

Instrument :

FID_B

ClientSampleId :

VBF0626S1

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB062625\
Data File : FB031932.D
Signal(s) : FID2B.CH
Acq On : 26 Jun 2025 11:15
Sample : VBF0626S1
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\FB062325.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	8.796	8.642	9.004	PV	4203	237274	100.00%	100.000%
Sum of corrected areas:						237274		

FB062325.M Fri Jun 27 00:46:13 2025

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VBF0626S2	SDG No.:	Q2413
Lab Sample ID:	VBF0626S2	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
FB031933.D	50	06/26/25 11:43	FB062625

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	15.9		50 - 150	80%	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\FB062625\
Data File : FB031933.D
Signal(s) : FID2B.CH
Acq On : 26 Jun 2025 11:43
Operator : YP/AJ
Sample : VBF0626S2 50X
Misc : 5.00G/5.00 ML MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0626S2

Integration File: Calibration.e
Quant Time: Jun 26 11:35:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
Quant Title :
QLast Update : Mon Jun 23 13:56:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
5) s AAA-TFT	8.797	245550	15.916 ng/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

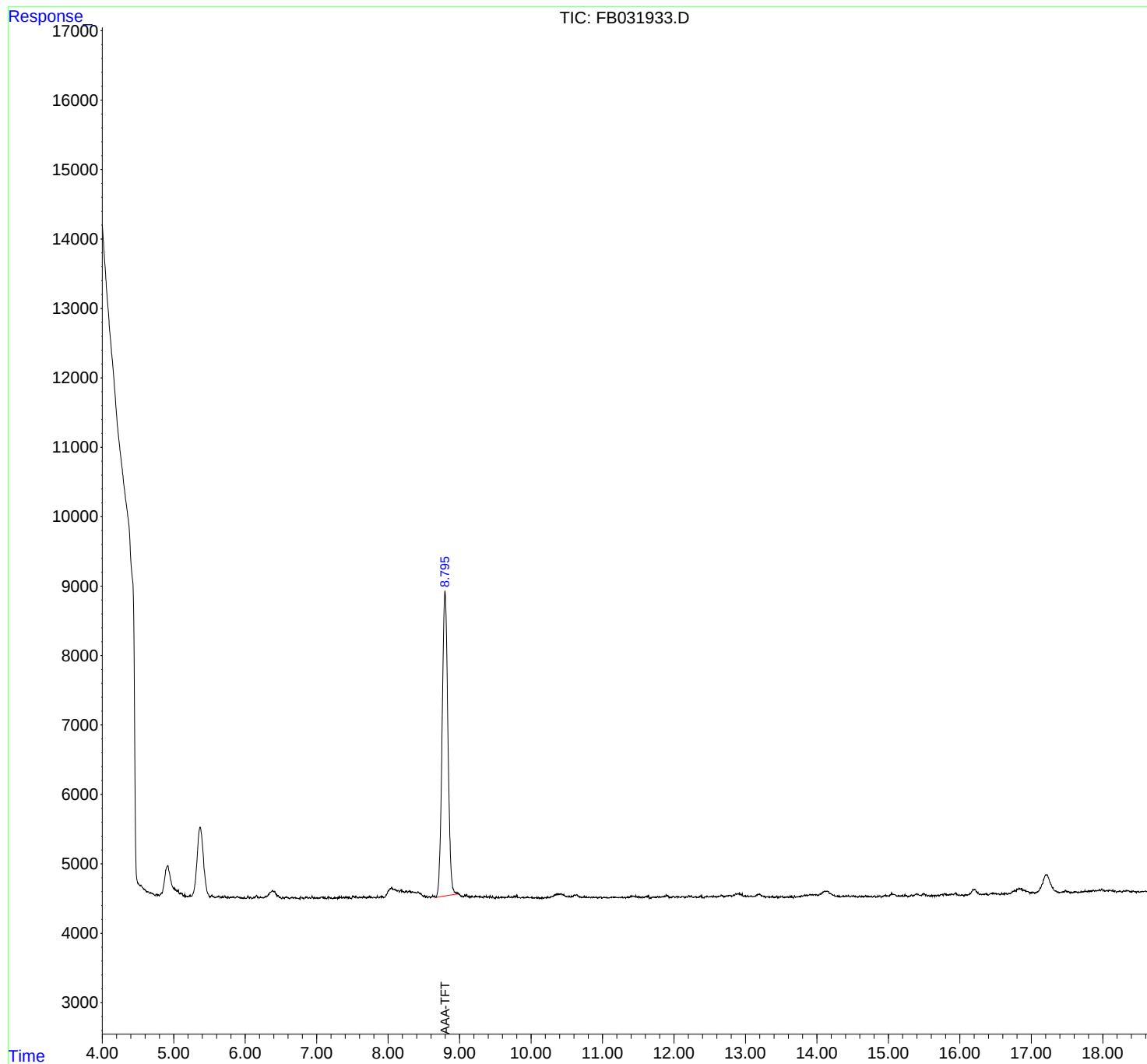
(m)=manual int.

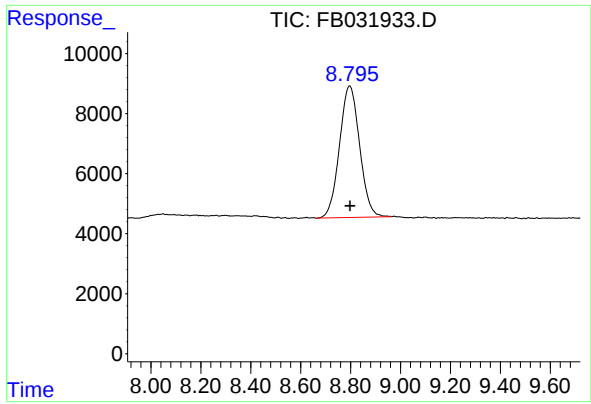
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB062625\
Data File : FB031933.D
Signal(s) : FID2B.CH
Acq On : 26 Jun 2025 11:43
Operator : YP/AJ
Sample : VBF0626S2 50X
Misc : 5.00G/5.00 ML MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0626S2

Integration File: Calibration.e
Quant Time: Jun 26 11:35:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
Quant Title :
QLast Update : Mon Jun 23 13:56:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#5 AAA-TFT

R.T.: 8.797 min
Delta R.T.: 0.000 min
Response: 245550
Conc: 15.92 ng/ml

Instrument :
FID_B
ClientSampleId :
VBF0626S2

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB062625\
Data File : FB031933.D
Signal(s) : FID2B.CH
Acq On : 26 Jun 2025 11:43
Sample : VBF0626S2 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\FB062325.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	8.797	8.662	8.965	PV	4388	245550	100.00%	100.000%
Sum of corrected areas:							245550	

FB062325.M Fri Jun 27 00:46:33 2025

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	BSF0626S1	SDG No.:	Q2413
Lab Sample ID:	BSF0626S1	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
FB031934.D	1	06/26/25 12:10	FB062625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	160		8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	16.3		50 - 150	81%	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\FB062625\
 Data File : FB031934.D
 Signal(s) : FID2B.CH
 Acq On : 26 Jun 2025 12:10
 Operator : YP/AJ
 Sample : BSF0626S1
 Misc : 5.00G/5.00 ML DI WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 FID_B
 ClientSampleId :
 BSF0626S1

Integration File: Calibration.e
 Quant Time: Jun 26 11:58:59 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
 Quant Title :
 QLast Update : Mon Jun 23 13:56:54 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
5) s AAA-TFT	8.797	250895	16.262 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.714	668406	26.273 ng/ml
2) t 2,2,4-Trimethylpentane	7.427	802608	29.762 ng/ml
3) t n-Heptane	7.757	240834	9.652 ng/ml
4) t Benzene	7.895	307203	9.036 ng/ml
6) t Toluene	10.626	925283	25.876 ng/ml
7) t Ethylbenzene	13.062	272697	8.636 ng/ml
8) t m-Xylene	13.195	568601	17.335 ng/ml
9) t O-Xylene	13.922	536747	17.294 ng/ml
10) t 1,2,4-Trimethylbenzene	16.197	445853	16.862 ng/ml

(f)=RT Delta > 1/2 Window

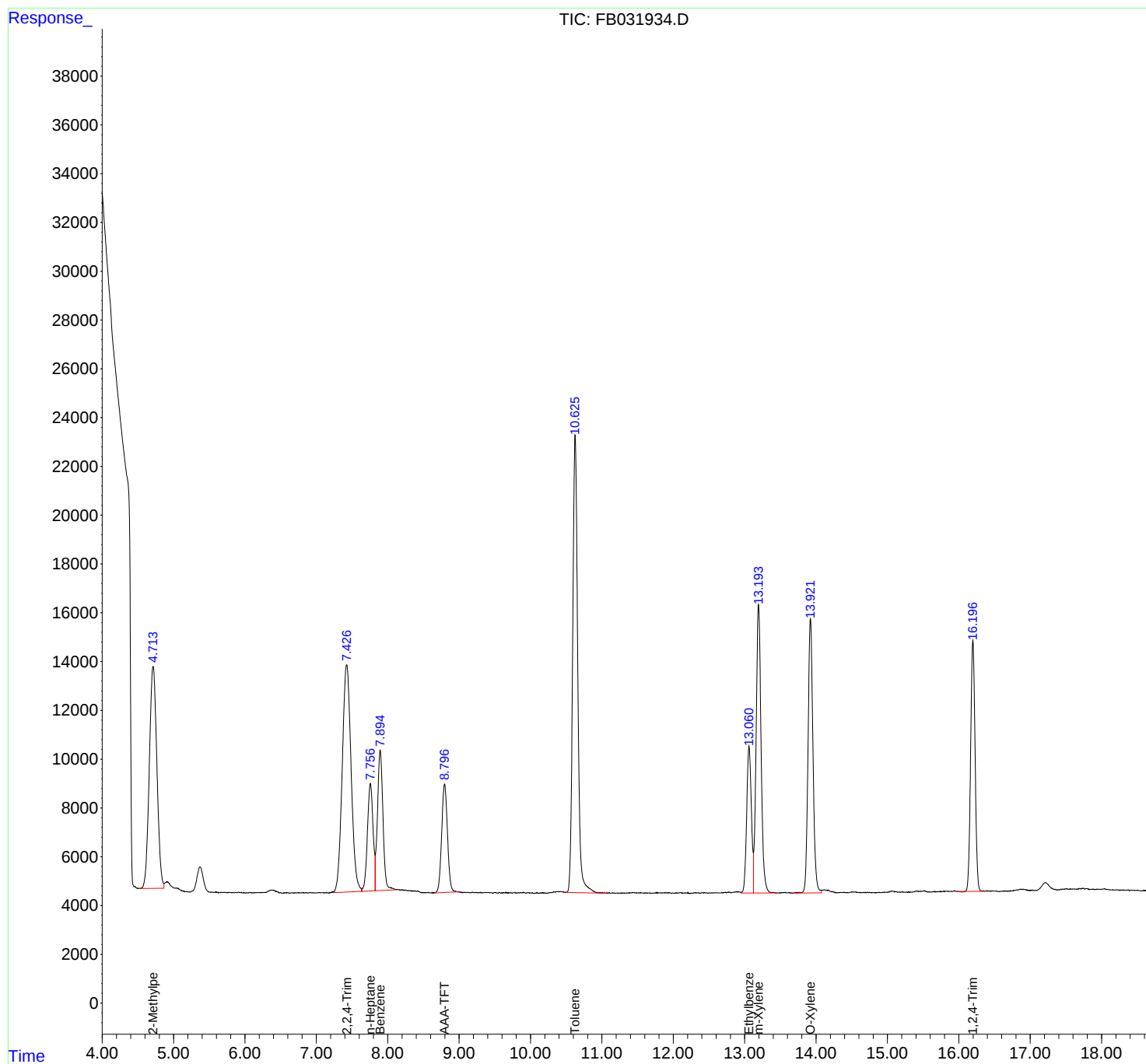
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB062625\
Data File : FB031934.D
Signal(s) : FID2B.CH
Acq On : 26 Jun 2025 12:10
Operator : YP/AJ
Sample : BSF0626S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0626S1

Integration File: Calibration.e
Quant Time: Jun 26 11:58:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
Quant Title :
QLast Update : Mon Jun 23 13:56:54 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\FB062625\
Data File : FB031934.D
Signal(s) : FID2B.CH
Acq On : 26 Jun 2025 12:10
Sample : BSF0626S1
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\FB062325.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.714	4.523	4.866	BV	9097	668406	72.24%	13.317%
2	7.427	7.251	7.636	VV	9315	802608	86.74%	15.991%
3	7.757	7.636	7.825	VV	4409	240834	26.03%	4.798%
4	7.895	7.825	8.125	VV	5753	307203	33.20%	6.121%
5	8.797	8.648	8.982	PV	4449	250895	27.12%	4.999%
6	10.626	10.491	11.072	BV	18762	925283	100.00%	18.435%
7	13.062	12.946	13.123	VV	6009	272697	29.47%	5.433%
8	13.195	13.123	13.458	VB	11803	568601	61.45%	11.329%
9	13.922	13.671	14.076	PV	11243	536747	58.01%	10.694%
10	16.197	15.981	16.359	BV	10276	445853	48.19%	8.883%

Sum of corrected areas: 5019126

FB062325.M Fri Jun 27 00:46:53 2025

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	BSF0626S2	SDG No.:	Q2413
Lab Sample ID:	BSF0626S2	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
FB031939.D	1	06/26/25 14:59	FB062625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	155		8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	16.6		50 - 150	83%	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\FB062625\
 Data File : FB031939.D
 Signal(s) : FID2B.CH
 Acq On : 26 Jun 2025 14:59
 Operator : YP/AJ
 Sample : BSF0626S2
 Misc : 5.00G/5.00 ML DI WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 FID_B
 ClientSampleId :
 BSF0626S2

Integration File: Calibration.e
 Quant Time: Jun 27 00:30:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
 Quant Title :
 QLast Update : Mon Jun 23 13:56:54 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	8.799	256489	16.625 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.715	638128	25.083 ng/ml
2) t 2,2,4-Trimethylpentane	7.428	756072	28.036 ng/ml
3) t n-Heptane	7.759	224936	9.015 ng/ml
4) t Benzene	7.897	290378	8.541 ng/ml
6) t Toluene	10.628	908761	25.414 ng/ml
7) t Ethylbenzene	13.064	265668	8.413 ng/ml
8) t m-Xylene	13.197	554588	16.908 ng/ml
9) t O-Xylene	13.924	524703	16.906 ng/ml
10) t 1,2,4-Trimethylbenzene	16.199	440698	16.667 ng/ml

(f)=RT Delta > 1/2 Window

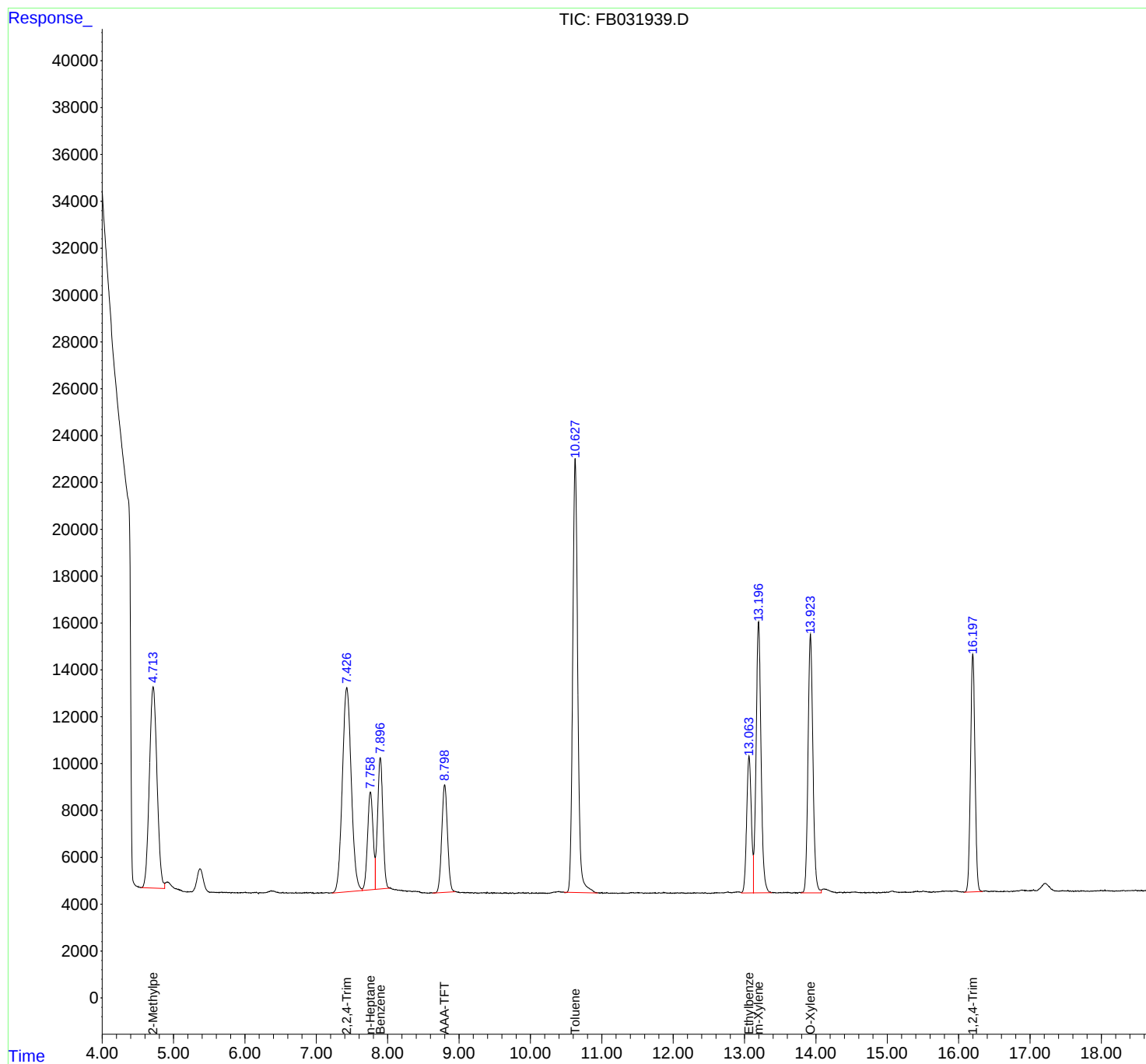
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB062625\
Data File : FB031939.D
Signal(s) : FID2B.CH
Acq On : 26 Jun 2025 14:59
Operator : YP/AJ
Sample : BSF0626S2
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0626S2

Integration File: Calibration.e
Quant Time: Jun 27 00:30:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
Quant Title :
QLast Update : Mon Jun 23 13:56:54 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\FB062625\
Data File : FB031939.D
Signal(s) : FID2B.CH
Acq On : 26 Jun 2025 14:59
Sample : BSF0626S2
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\FB062325.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.715	4.546	4.875	BV	8594	638128	70.22%	13.129%
2	7.428	7.223	7.644	PV	8719	756072	83.20%	15.556%
3	7.759	7.644	7.826	VV	4178	224936	24.75%	4.628%
4	7.897	7.826	8.030	VV	5604	290378	31.95%	5.974%
5	8.799	8.631	8.946	PV	4594	256489	28.22%	5.277%
6	10.628	10.468	10.944	BV	18501	908761	100.00%	18.697%
7	13.064	12.956	13.125	VV	5846	265668	29.23%	5.466%
8	13.197	13.125	13.379	VV	11555	554588	61.03%	11.410%
9	13.924	13.791	14.076	PV	11023	524703	57.74%	10.795%
10	16.199	16.082	16.339	BV	10133	440698	48.49%	9.067%

Sum of corrected areas: 4860422

FB062325.M Fri Jun 27 00:47:19 2025

Manual Integration Report

Sample ID	ClientID ID	File ID	Sequence ID	Parameter	Supervised By	Supervised On	Reason
Q2413-02		FB031936.D	FB062625	AAA-TFT	 	 	Peak Integrated by Software incorrectly
Q2413-03		FB031937.D	FB062625	AAA-TFT	 	 	Peak Integrated by Software incorrectly
20 PPB GRO STD		FB031944.D	FB062625	AAA-TFT	 	 	Peak Integrated by Software incorrectly

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QC Batch ID # FB062325

Review By	yogesh	Review On	6/23/2025 3:07:11 PM
Supervise By	mohammad	Supervise On	6/25/2025 2:41:46 AM
SubDirectory	FB062325	HP Acquire Method	HP Processing Method FB062325
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24110,PP24656,PP24658,PP24659,PP24660,PP24661		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24111,PP24662		

Sr#	SampleID	Data File Name	Date-Time	Operator	Status
1	5 GRO STD	FB031909.D	23 Jun 2025 12:17	YP/AJ	Ok
2	10 GRO STD	FB031910.D	23 Jun 2025 12:44	YP/AJ	Ok
3	20 GRO STD	FB031911.D	23 Jun 2025 13:12	YP/AJ	Ok
4	50 GRO STD	FB031912.D	23 Jun 2025 13:40	YP/AJ	Ok
5	100 GRO STD	FB031913.D	23 Jun 2025 14:07	YP/AJ	Ok
6	FB062325GROICV	FB031914.D	23 Jun 2025 14:48	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QC Batch ID # FB062625

Review By	yogesh	Review On	6/26/2025 3:32:20 PM
Supervise By		Supervise On	
SubDirectory	FB062625	HP Acquire Method	HP Processing Method FB062325
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24110,PP24656,PP24658,PP24659,PP24660,PP24661		
CCC Internal Standard/PEM	PP24667,PP24668,PP24669		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24111,PP24662		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	20 PPB GRO STD	FB031931.D	26 Jun 2025 10:31	YP/AJ	Ok
2	VBF0626S1	FB031932.D	26 Jun 2025 11:15	YP/AJ	Ok
3	VBF0626S2	FB031933.D	26 Jun 2025 11:43	YP/AJ	Ok
4	BSF0626S1	FB031934.D	26 Jun 2025 12:10	YP/AJ	Ok
5	Q2413-01	FB031935.D	26 Jun 2025 12:51	YP/AJ	Ok
6	Q2413-02	FB031936.D	26 Jun 2025 13:36	YP/AJ	Ok,NS
7	Q2413-03	FB031937.D	26 Jun 2025 14:04	YP/AJ	Ok,NS
8	Q2413-04	FB031938.D	26 Jun 2025 14:31	YP/AJ	Ok
9	BSF0626S2	FB031939.D	26 Jun 2025 14:59	YP/AJ	Ok
10	20 PPB GRO STD	FB031940.D	26 Jun 2025 15:26	YP/AJ	Ok
11	Q2413-05	FB031941.D	26 Jun 2025 16:09	YP/AJ	Ok
12	Q2413-06	FB031942.D	26 Jun 2025 16:36	YP/AJ	Ok
13	BSF0626S3	FB031943.D	26 Jun 2025 17:04	YP/AJ	Ok
14	20 PPB GRO STD	FB031944.D	26 Jun 2025 17:32	YP/AJ	Ok,NS

M : Manual Integration

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QC Batch ID # FB062325

Review By	yogesh	Review On	6/23/2025 3:07:11 PM
Supervise By	mohammad	Supervise On	6/25/2025 2:41:46 AM
SubDirectory	FB062325	HP Acquire Method	HP Processing Method
			FB062325
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24110,PP24656,PP24658,PP24659,PP24660,PP24661		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24111,PP24662		

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	5 GRO STD		FB031909.D	23 Jun 2025 12:17		YP/AJ	Ok
2	10 GRO STD		FB031910.D	23 Jun 2025 12:44		YP/AJ	Ok
3	20 GRO STD		FB031911.D	23 Jun 2025 13:12		YP/AJ	Ok
4	50 GRO STD		FB031912.D	23 Jun 2025 13:40		YP/AJ	Ok
5	100 GRO STD		FB031913.D	23 Jun 2025 14:07		YP/AJ	Ok
6	FB062325GROICV		FB031914.D	23 Jun 2025 14:48		YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QC Batch ID # FB062625

Review By	yogesh	Review On	6/26/2025 3:32:20 PM
Supervise By		Supervise On	
SubDirectory	FB062625	HP Acquire Method	HP Processing Method FB062325
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24110,PP24656,PP24658,PP24659,PP24660,PP24661		
CCC Internal Standard/PEM	PP24667,PP24668,PP24669		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24111,PP24662		

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	20 PPB GRO STD		FB031931.D	26 Jun 2025 10:31		YP/AJ	Ok
2	VBF0626S1		FB031932.D	26 Jun 2025 11:15		YP/AJ	Ok
3	VBF0626S2		FB031933.D	26 Jun 2025 11:43		YP/AJ	Ok
4	BSF0626S1		FB031934.D	26 Jun 2025 12:10		YP/AJ	Ok
5	Q2413-01		FB031935.D	26 Jun 2025 12:51	Vial-B	YP/AJ	Ok
6	Q2413-02		FB031936.D	26 Jun 2025 13:36	Vial-B	YP/AJ	Ok,NS
7	Q2413-03		FB031937.D	26 Jun 2025 14:04	Vial-B	YP/AJ	Ok,NS
8	Q2413-04		FB031938.D	26 Jun 2025 14:31	Vial-B	YP/AJ	Ok
9	BSF0626S2		FB031939.D	26 Jun 2025 14:59		YP/AJ	Ok
10	20 PPB GRO STD		FB031940.D	26 Jun 2025 15:26		YP/AJ	Ok
11	Q2413-05		FB031941.D	26 Jun 2025 16:09	Vial-C	YP/AJ	Ok
12	Q2413-06		FB031942.D	26 Jun 2025 16:36	Vial-C	YP/AJ	Ok
13	BSF0626S3		FB031943.D	26 Jun 2025 17:04		YP/AJ	Ok
14	20 PPB GRO STD		FB031944.D	26 Jun 2025 17:32		YP/AJ	Ok,NS

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 6/26/2025

OVENTEMP IN Celsius(°C): 108
Time IN: 17:10
In Date: 06/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:14
Out Date: 06/26/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB136262

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
Q2413-01	TP-35	1	1.18	10.41	11.59	10.42	88.8	
Q2413-02	TP-34	2	1.13	10.60	11.73	10.88	92.0	
Q2413-03	TP-77	3	1.15	10.65	11.8	10.88	91.4	
Q2413-04	TP-74	4	1.15	10.83	11.98	10.84	89.5	
Q2413-05	TP-73	5	1.13	10.86	11.99	9.5	77.1	
Q2413-06	TP-72	6	1.16	10.74	11.9	10.5	87.0	
Q2414-01	WC-1	7	1.19	10.50	11.69	10.58	89.4	
Q2414-02	WC-1-EPH	8	1.17	10.08	11.25	10.22	89.8	
Q2414-03	WC-1-VOC	9	1.15	10.83	11.98	10.97	90.7	
Q2414-04	WC-1	10	1.19	10.50	11.69	10.58	89.4	
Q2415-01	WC-1	11	1.19	10.63	11.82	10.72	89.7	
Q2415-02	WC-1-EPH	12	1.15	10.00	11.15	10.12	89.7	
Q2415-03	WC-1-VOC	13	1.19	10.27	11.46	10.4	89.7	
Q2416-01	MH-G/H	14	1.15	10.86	12.01	10.89	89.7	
Q2416-02	MH-G/H-EPH	15	1.14	10.41	11.55	10.52	90.1	
Q2416-03	MH-G/H-VOC	16	1.12	10.57	11.69	10.8	91.6	
Q2416-04	MH-G/H	17	1.15	10.86	12.01	10.89	89.7	
Q2419-01	EO-03-06252025	26	1.17	10.53	11.7	10.97	93.1	
Q2419-02	EO-03-06252025-E2	27	1.13	10.23	11.36	10.36	90.2	
Q2420-01	72-11933	18	1.18	10.49	11.67	11.03	93.9	
Q2421-01	62325	19	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2421-02	624-A	20	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2421-03	624-B	21	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2421-04	624-C	22	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2421-05	624-D	23	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2421-06	62325-A	24	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2422-01	60263	25	1.00	1.00	2.00	2.00	100.0	oil sample
Q2423-01	RT915	28	1.19	10.63	11.82	10.88	91.2	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 6/26/2025

OVENTEMP IN Celsius(°C): 108
Time IN: 17:10
In Date: 06/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:14
Out Date: 06/26/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB136262

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
Q2423-02	RT915	29	1.14	10.45	11.59	10.84	92.8	
Q2425-01	COMP-1	30	1.19	10.38	11.57	9.17	76.9	
Q2425-02	COMP-2	31	1.15	10.37	11.52	9.41	79.7	
Q2425-03	COMP-3	32	1.12	10.71	11.83	9.97	82.6	

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

WORKLIST(Hardcopy Internal Chain)

136262

WorkList Name : %1-062525

WorkList ID : 190366

Department : Wet-Chemistry

Date : 06-25-2025 08:11:19

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2413-01	TP-35	Solid	Percent Solids	Cool 4 deg C	CAMP02	D41	06/24/2025	Chemtech -SO
Q2413-02	TP-34	Solid	Percent Solids	Cool 4 deg C	CAMP02	D41	06/24/2025	Chemtech -SO
Q2413-03	TP-77	Solid	Percent Solids	Cool 4 deg C	CAMP02	D41	06/24/2025	Chemtech -SO
Q2413-04	TP-74	Solid	Percent Solids	Cool 4 deg C	CAMP02	D41	06/24/2025	Chemtech -SO
Q2413-05	TP-73	Solid	Percent Solids	Cool 4 deg C	CAMP02	D41	06/24/2025	Chemtech -SO
Q2413-06	TP-72	Solid	Percent Solids	Cool 4 deg C	CAMP02	D41	06/24/2025	Chemtech -SO
Q2414-01	WC-1	Solid	Percent Solids	Cool 4 deg C	CAMP02	D41	06/24/2025	Chemtech -SO
Q2414-02	WC-1-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG01		06/25/2025	Chemtech -SO
Q2414-03	WC-1-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG01	A33	06/25/2025	Chemtech -SO
Q2414-04	WC-1	Solid	Percent Solids	Cool 4 deg C	PSEG01	A33	06/25/2025	Chemtech -SO
Q2415-01	WC-1	Solid	Percent Solids	Cool 4 deg C	PSEG01		06/25/2025	Chemtech -SO
Q2415-02	WC-1-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	06/24/2025	Chemtech -SO
Q2415-03	WC-1-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	06/24/2025	Chemtech -SO
Q2416-01	MH-G/H	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	06/24/2025	Chemtech -SO
Q2416-02	MH-G/H-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03		06/25/2025	Chemtech -SO
Q2416-03	MH-G/H-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	A42	06/25/2025	Chemtech -SO
Q2416-04	MH-G/H	Solid	Percent Solids	Cool 4 deg C	PSEG03	A42	06/25/2025	Chemtech -SO
Q2419-01	EO-03-06252025	Solid	Percent Solids	Cool 4 deg C	PSEG03		06/25/2025	Chemtech -SO
Q2419-02	EO-03-06252025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D51	06/25/2025	Chemtech -SO
Q2420-01	72-11933	Solid	Percent Solids	Cool 4 deg C	PSEG05	D51	06/25/2025	Chemtech -SO
Q2421-01	62325	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/25/2025	Chemtech -SO
Q2421-01	62325	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/25/2025	Chemtech -SO

Date/Time 06/25/25 15:10 Date/Time 06/25/25
 Raw Sample Received by: spwc Raw Sample Received by: CP SM
 Raw Sample Relinquished by: CP SM Raw Sample Relinquished by: spwc

WORKLIST(Hardcopy Internal Chain)

136262

WorkList Name : %1-062525

WorkList ID : 190366

Department : Wet-Chemistry

Date : 06-25-2025 08:11:19

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2421-02	624-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/25/2025	Chemtech -SO
Q2421-03	624-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/25/2025	Chemtech -SO
Q2421-04	624-C	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/25/2025	Chemtech -SO
Q2421-05	624-D	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/25/2025	Chemtech -SO
Q2421-06	62325-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/25/2025	Chemtech -SO
Q2422-01	60263	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/25/2025	Chemtech -SO
Q2423-01	RT915	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/25/2025	Chemtech -SO
Q2423-02	RT915	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/25/2025	Chemtech -SO
Q2425-01	COMP-1	Solid	Percent Solids	Cool 4 deg C	POWE02	D51	06/25/2025	Chemtech -SO
Q2425-02	COMP-2	Solid	Percent Solids	Cool 4 deg C	POWE02	D51	06/24/2025	Chemtech -SO
Q2425-03	COMP-3	Solid	Percent Solids	Cool 4 deg C	POWE02	D51	06/24/2025	Chemtech -SO

Date/Time 06/25/25 15:10

Raw Sample Received by: sf wocj

Raw Sample Relinquished by: cp sm

Date/Time 06/25/25

Raw Sample Received by: cp sm

Raw Sample Relinquished by: sf wocj



SHIPPING DOCUMENTS

CLIENT INFORMATION

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

CLIENT PROJECT INFORMATION

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

CLIENT BILLING INFORMATION

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

ANALYSIS

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

1. TCL VOL 2. TCL VOL 3. TAL METALS 4. PCB 5. PESTICIDES 6. HERBICIDES 7. DRUGS 8. 9.

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	TP-35	S		X	6/23/25	0820	6	X	X	X	X	X	X	X			E
2.	TP-34	S		X	6/23/25	0905	6	X	X	X	X	X	X	X			E
3.	TP-77	S		X	6/23/25	1015	6	X	X	X	X	X	X	X			F
4.	TP-74	S		X	6/23/25	1115	6	X	X	X	X	X	X	X			E
5.	TP-73	S		X	6/23/25	1250	6	X	X	X	X	X	X	X			E
6.	TP-72	S		X	6/24/25	0805	6	X	X	X	X	X	X	X			E
7.																	E
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER: 1. <i>[Signature]</i>	DATE/TIME: 6/24/25 1500	RECEIVED BY: <i>[Signature]</i> 6-24-25 1500	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 31 °C
RELINQUISHED BY SAMPLER: 2. <i>[Signature]</i>	DATE/TIME:	RECEIVED BY:	Comments:
RELINQUISHED BY SAMPLER: 3. <i>[Signature]</i>	DATE/TIME: 6-24-25	RECEIVED BY:	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 : Q2413 CAMP02

Order Date : 6/24/2025 3:05:00 PM

Project Mgr :

Client Name : CDM Smith

Project Name : South River WM Replacem

Report Type : Level 1

Client Contact : Marcie Ann Encinas

Receive DateTime : 6/24/2025 12:00:00 AM

EDD Type : EXCEL NOCLEANUP

Invoice Name : CDM Smith

Purchase Order :

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
Q2413-01	TP-35	Solid	06/24/2025	08:20					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2413-02	TP-34	Solid	06/24/2025	09:05					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2413-03	TP-77	Solid	06/24/2025	10:15					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2413-04	TP-74	Solid	06/24/2025	11:15					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2413-05	TP-73	Solid	06/24/2025	12:50					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2413-06	TP-72	Solid	06/24/2025	08:05					
					VOC-TCLVOA-10		8260D	10 Bus. Days	

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2413 CAMP02

Order Date : 6/24/2025 3:05:00 PM

Project Mgr :

Client Name : CDM Smith

Project Name : South River WM Replacem

Report Type : Level 1

Client Contact : Marcie Ann Encinas

Receive DateTime : 6/24/2025 12:00:00 AM

EDD Type : EXCEL NOCLEANUP

Invoice Name : CDM Smith

Purchase Order :

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
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Relinquished By :

Date / Time : 6/25/25 0935

Received By :

Date / Time : 6/25/25 9:35

Storage Area : VOA Refridgerator Room