

Cover Page

Order ID : Q2514

Project ID : South River WM Replacement

Client : CDM Smith

Lab Sample Number

Q2514-01
Q2514-02
Q2514-03
Q2514-04
Q2514-05
Q2514-06
Q2514-07
Q2514-08
Q2514-09
Q2514-10

Client Sample Number

TP-92
TP-93
TP-94
TP-96
TP-97
TP-103
TP-36
TP-78
TP-81
TP-90

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 7/15/2025

DATA REPORTING QUALIFIERS- ORGANIC

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

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2514

Completed

For thorough review, the report must have the following:

GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

COVER PAGE:

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

✓

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

✓

CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: PRADIP PRAJAPATI

Date: 07/15/2025

LAB CHRONICLE

OrderID:	Q2514	OrderDate:	7/3/2025 1:29:00 PM
Client:	CDM Smith	Project:	South River WM Replacement
Contact:	Marcie Ann Encinas	Location:	O21,O22,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2514-01	TP-92	SOIL			07/02/25			07/03/25
			Diesel Range Organics	8015D		07/08/25	07/08/25	
			Gasoline Range Organics	8015D			07/09/25	
			Herbicide	8151A		07/08/25	07/10/25	
			PCB	8082A		07/07/25	07/08/25	
			Pesticide-TCL	8081B		07/07/25	07/07/25	
Q2514-02	TP-93	SOIL			07/02/25			07/03/25
			Diesel Range Organics	8015D		07/08/25	07/08/25	
			Gasoline Range Organics	8015D			07/09/25	
			Herbicide	8151A		07/08/25	07/10/25	
			PCB	8082A		07/07/25	07/08/25	
			Pesticide-TCL	8081B		07/07/25	07/07/25	
Q2514-03	TP-94	SOIL			07/02/25			07/03/25
			Diesel Range Organics	8015D		07/08/25	07/08/25	
			Gasoline Range Organics	8015D			07/09/25	
			Herbicide	8151A		07/08/25	07/10/25	
			PCB	8082A		07/07/25	07/08/25	
			Pesticide-TCL	8081B		07/07/25	07/07/25	
Q2514-04	TP-96	SOIL			07/02/25			07/03/25
			Diesel Range Organics	8015D		07/08/25	07/08/25	
			Gasoline Range Organics	8015D			07/09/25	
			Herbicide	8151A		07/08/25	07/10/25	
			PCB	8082A		07/07/25	07/08/25	
			Pesticide-TCL	8081B		07/07/25	07/07/25	
Q2514-05	TP-97	SOIL			07/02/25			07/03/25
			Diesel Range Organics	8015D		07/08/25	07/08/25	
			Gasoline Range Organics	8015D			07/09/25	

LAB CHRONICLE

			Herbicide	8151A	07/08/25	07/10/25	
			PCB	8082A	07/07/25	07/08/25	
			Pesticide-TCL	8081B	07/07/25	07/07/25	
Q2514-06	TP-103	SOIL			07/02/25		07/03/25
			Diesel Range Organics	8015D	07/08/25	07/08/25	
			Gasoline Range Organics	8015D		07/09/25	
			Herbicide	8151A	07/08/25	07/10/25	
			PCB	8082A	07/07/25	07/08/25	
			Pesticide-TCL	8081B	07/07/25	07/07/25	
Q2514-07	TP-36	SOIL			07/03/25		07/03/25
			Diesel Range Organics	8015D	07/08/25	07/08/25	
			Gasoline Range Organics	8015D		07/09/25	
			Herbicide	8151A	07/08/25	07/10/25	
			PCB	8082A	07/07/25	07/08/25	
			Pesticide-TCL	8081B	07/07/25	07/07/25	
Q2514-08	TP-78	SOIL			07/03/25		07/03/25
			Diesel Range Organics	8015D	07/08/25	07/08/25	
			Gasoline Range Organics	8015D		07/09/25	
			Herbicide	8151A	07/08/25	07/10/25	
			PCB	8082A	07/07/25	07/08/25	
			Pesticide-TCL	8081B	07/07/25	07/07/25	
Q2514-09	TP-81	SOIL			07/03/25		07/03/25
			Diesel Range Organics	8015D	07/08/25	07/08/25	
			Gasoline Range Organics	8015D		07/09/25	
			Herbicide	8151A	07/08/25	07/10/25	
			PCB	8082A	07/07/25	07/08/25	
			Pesticide-TCL	8081B	07/07/25	07/07/25	
Q2514-10	TP-90	SOIL			07/03/25		07/03/25
			Diesel Range Organics	8015D	07/08/25	07/08/25	
			Gasoline Range Organics	8015D		07/09/25	
			Herbicide	8151A	07/08/25	07/10/25	
			PCB	8082A	07/07/25	07/08/25	
			Pesticide-TCL	8081B	07/07/25	07/07/25	
Q2514-10RE	TP-90RE	SOIL			07/03/25		07/03/25

LAB CHRONICLE

Herbicide

8151A

07/08/25

07/11/25



QC SUMMARY

SOIL GASOLINE RANGE ORGANICS SURROGATE RECOVERY

Lab Name: Alliance

Client: CDM Smith

Lab Code: ACE

SDG No.: Q2514

CLIENT ID	S1 AAA-TFT	S2	S3	S4	TOT OUT
VPF0709S1	114				0
BSF0709S1	85				0
BSF0709S2	87				0
TP-93	82				0
TP-92	83				0
TP-78	91				0
TP-36	89				0
TP-94	41 *				1
TP-96	83				0
TP-97	81				0
TP-103	81				0
TP-90	87				0
TP-81	79				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



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

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

Lab Name: Alliance

Client: CDM Smith

Lab Code: ACE

SDG No: Q2514

Client Sample ID : BSF0709S1

Datafile: FB032036.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS (%)
GRO	180	0	151	84	50-150



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

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

Lab Name: Alliance

Client: CDM Smith

Lab Code: ACE

SDG No: Q2514

Client Sample ID : BSF0709S2

Datafile: FB032043.D

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

LCS/LCSD % Recovery RPD : 1.3

METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

VBF0709S1

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2514

Lab File ID: FB032034.D

Lab Sample ID: VBF0709S1

Date Analyzed: 07/09/25

Time Analyzed: 9:18

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:

CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSF0709S1	BSF0709S1	FB032036.D	07/09/25
BSF0709S2	BSF0709S2	FB032043.D	07/09/25
TP-93	Q2514-02	FB032045.D	07/09/25
TP-92	Q2514-01	FB032046.D	07/09/25
TP-78	Q2514-08	FB032047.D	07/09/25
TP-36	Q2514-07	FB032048.D	07/09/25
TP-94	Q2514-03	FB032049.D	07/09/25
TP-96	Q2514-04	FB032050.D	07/09/25
TP-97	Q2514-05	FB032051.D	07/09/25
TP-103	Q2514-06	FB032052.D	07/09/25
TP-90	Q2514-10	FB032053.D	07/09/25
TP-81	Q2514-09	FB032054.D	07/09/25

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-92	SDG No.:	Q2514
Lab Sample ID:	Q2514-01	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	87.4
Sample Wt/Vol:	5.2	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
FB032046.D	1	07/09/25 16:42	FB070925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	11.0	J	9.00	50.0	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\FB070925\
Data File : FB032046.D
Signal(s) : FID2B.CH
Acq On : 9 Jul 2025 16:42
Operator : YP/AJ
Sample : Q2514-01
Misc : 5.20G/5.00 ML DI WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-92

Integration File: Calibration.e
Quant Time: Jul 10 01:38:03 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	8.800	256518	16.627 ng/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

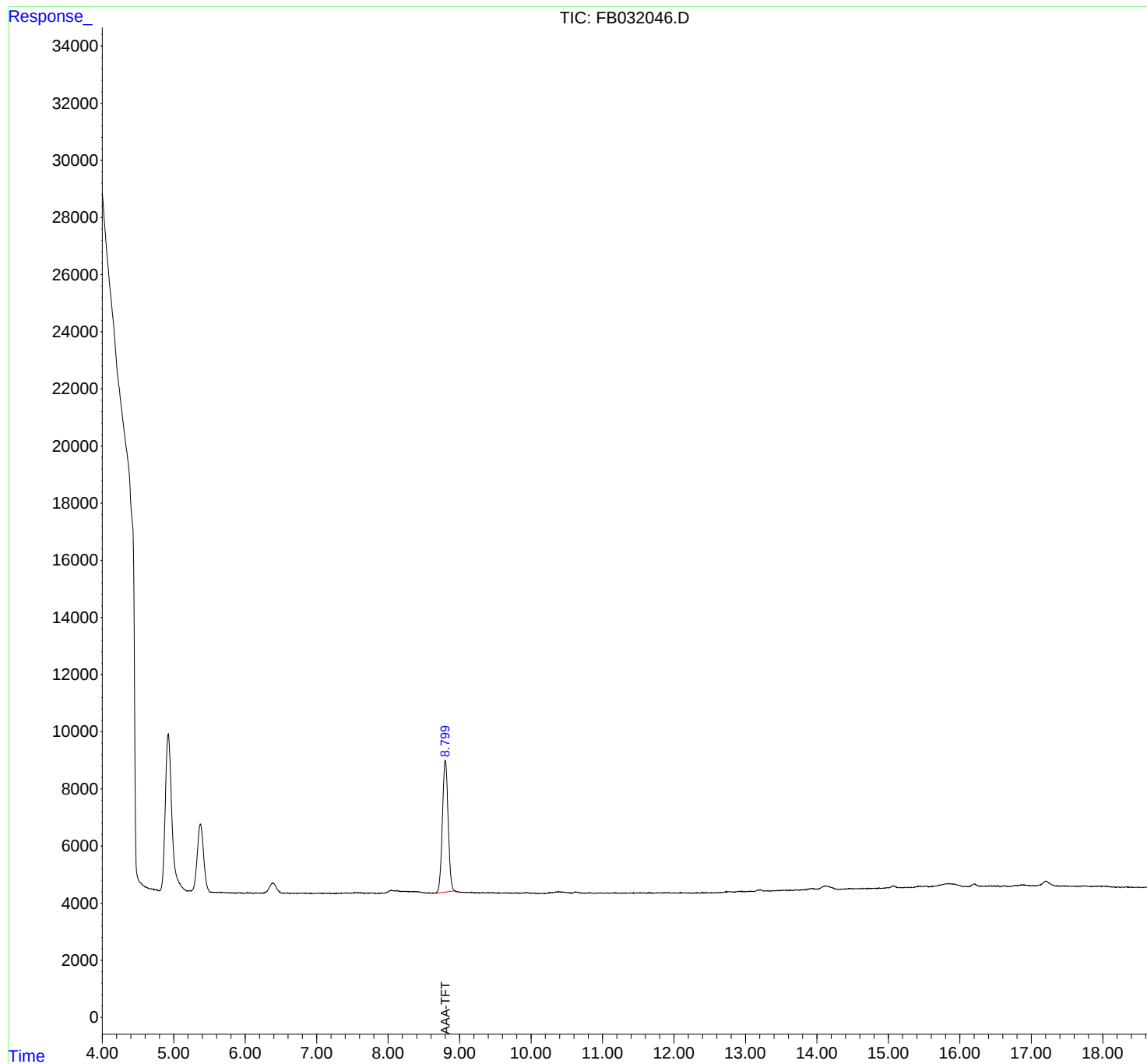
(m)=manual int.

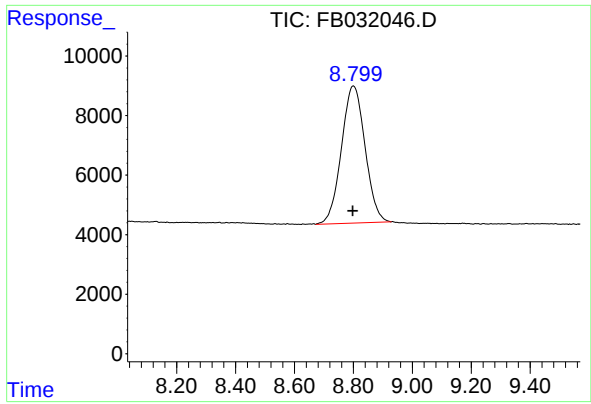
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB070925\
Data File : FB032046.D
Signal(s) : FID2B.CH
Acq On : 9 Jul 2025 16:42
Operator : YP/AJ
Sample : Q2514-01
Misc : 5.20G/5.00 ML DI WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-92

Integration File: Calibration.e
Quant Time: Jul 10 01:38:03 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.: 8.800 min
Delta R.T.: 0.003 min
Response: 256518
Conc: 16.63 ng/ml

Instrument :
FID_B
ClientSampleId :
TP-92

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB070925\
 Data File : FB032046.D
 Signal(s) : FID2B.CH
 Acq On : 9 Jul 2025 16:42
 Sample : Q2514-01
 Misc : 5.20G/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	4.682	4.637	4.707	BV	4	19	0.01%	0.003%
2	4.716	4.707	4.727	VV	24	131	0.05%	0.024%
3	4.739	4.727	4.748	PV	19	143	0.05%	0.026%
4	4.757	4.748	4.793	VV	26	385	0.14%	0.070%
5	5.198	5.187	5.214	VV	44	584	0.22%	0.107%
6	5.223	5.214	5.239	VV	45	573	0.21%	0.105%
7	5.516	5.509	5.545	VV	22	298	0.11%	0.054%
8	5.555	5.545	5.568	VV	19	197	0.07%	0.036%
9	5.578	5.568	5.601	VV	18	287	0.11%	0.053%
10	5.622	5.601	5.635	VV	28	356	0.13%	0.065%
11	5.642	5.635	5.653	VV	23	175	0.07%	0.032%
12	5.662	5.653	5.669	VV	23	142	0.05%	0.026%
13	5.677	5.669	5.697	VV	31	307	0.11%	0.056%
14	5.709	5.697	5.718	VV	19	177	0.07%	0.032%
15	5.733	5.718	5.751	VV	18	286	0.11%	0.052%
16	5.759	5.751	5.780	VV	25	247	0.09%	0.045%
17	5.795	5.780	5.809	VV	28	316	0.12%	0.058%
18	5.837	5.809	5.847	VV	22	318	0.12%	0.058%
19	5.857	5.847	5.876	VV	22	154	0.06%	0.028%
20	5.906	5.876	5.934	PV	32	768	0.29%	0.140%
21	5.948	5.934	5.990	VV	27	415	0.15%	0.076%
22	6.027	5.990	6.050	VV	38	618	0.23%	0.113%
23	6.065	6.050	6.118	VV	27	578	0.22%	0.106%
24	6.150	6.118	6.166	PV	27	355	0.13%	0.065%
25	6.176	6.166	6.210	VV	21	411	0.15%	0.075%
26	6.235	6.210	6.254	VV	30	468	0.17%	0.086%
27	6.389	6.254	6.530	VV	370	26546	9.91%	4.855%
28	6.540	6.530	6.583	VV	23	479	0.18%	0.088%
29	6.595	6.583	6.627	VV	30	407	0.15%	0.074%
30	6.640	6.627	6.658	VV	16	213	0.08%	0.039%
31	6.712	6.658	6.734	VV	20	547	0.20%	0.100%
32	6.742	6.734	6.750	VV	15	118	0.04%	0.022%
33	6.762	6.750	6.794	VV	26	488	0.18%	0.089%
34	6.801	6.794	6.842	VV	24	441	0.16%	0.081%
35	6.863	6.842	6.902	VV	26	545	0.20%	0.100%
36	6.918	6.902	6.934	VV	20	202	0.08%	0.037%

					rteres			
37	6.942	6.934	6.969	VV	23	248	0.09%	0.045%
38	6.981	6.969	7.006	VV	15	291	0.11%	0.053%
39	7.041	7.006	7.050	VV	23	487	0.18%	0.089%
40	7.061	7.050	7.071	VV	29	285	0.11%	0.052%
41	7.092	7.071	7.103	VV	27	314	0.12%	0.057%
42	7.115	7.103	7.123	VV	20	162	0.06%	0.030%
43	7.171	7.123	7.186	VV	33	652	0.24%	0.119%
44	7.204	7.186	7.222	VV	24	265	0.10%	0.049%
45	7.239	7.222	7.263	PV	21	223	0.08%	0.041%
46	7.283	7.263	7.303	VV	20	289	0.11%	0.053%
47	7.328	7.303	7.348	VV	31	528	0.20%	0.097%
48	7.357	7.348	7.365	VV	23	205	0.08%	0.038%
49	7.380	7.365	7.396	VV	28	429	0.16%	0.079%
50	7.406	7.396	7.425	VV	37	489	0.18%	0.089%
51	7.447	7.425	7.483	VV	32	875	0.33%	0.160%
52	7.502	7.483	7.509	VV	27	317	0.12%	0.058%
53	7.524	7.509	7.534	VV	42	495	0.18%	0.091%
54	7.546	7.534	7.571	VV	52	857	0.32%	0.157%
55	7.589	7.571	7.604	VV	41	726	0.27%	0.133%
56	7.626	7.604	7.642	VV	42	720	0.27%	0.132%
57	7.657	7.642	7.666	VV	37	347	0.13%	0.063%
58	7.673	7.666	7.688	VV	23	234	0.09%	0.043%
59	7.711	7.688	7.718	VV	33	420	0.16%	0.077%
60	7.753	7.718	7.835	VV	36	1610	0.60%	0.295%
61	7.870	7.835	7.881	VV	35	446	0.17%	0.082%
62	7.898	7.881	7.908	VV	33	320	0.12%	0.058%
63	7.914	7.908	7.938	VV	33	458	0.17%	0.084%
64	8.049	7.938	8.086	VV	126	6878	2.57%	1.258%
65	8.100	8.086	8.109	VV	107	1413	0.53%	0.258%
66	8.130	8.109	8.179	VV	121	4072	1.52%	0.745%
67	8.222	8.179	8.259	VV	90	3946	1.47%	0.722%
68	8.268	8.259	8.278	VV	85	898	0.33%	0.164%
69	8.324	8.278	8.332	VV	82	2449	0.91%	0.448%
70	8.346	8.332	8.361	VV	88	1316	0.49%	0.241%
71	8.370	8.361	8.381	VV	85	908	0.34%	0.166%
72	8.388	8.381	8.524	VV	78	4874	1.82%	0.891%
73	8.535	8.524	8.543	VV	43	389	0.15%	0.071%
74	8.578	8.543	8.588	VV	44	813	0.30%	0.149%
75	8.593	8.588	8.623	VV	30	509	0.19%	0.093%
76	8.665	8.623	8.673	VV	44	863	0.32%	0.158%
77	8.800	8.673	8.959	VV	4673	267960	100.00%	49.009%
78	8.970	8.959	8.984	VV	81	1064	0.40%	0.195%
79	8.994	8.984	9.026	VV	68	1525	0.57%	0.279%
80	9.039	9.026	9.074	VV	57	1532	0.57%	0.280%
81	9.082	9.074	9.093	VV	51	571	0.21%	0.104%
82	9.105	9.093	9.112	VV	47	500	0.19%	0.091%
83	9.172	9.112	9.207	VV	61	2664	0.99%	0.487%
84	9.217	9.207	9.232	VV	44	590	0.22%	0.108%
85	9.242	9.232	9.258	VV	47	574	0.21%	0.105%
86	9.268	9.258	9.312	VV	44	1187	0.44%	0.217%
87	9.328	9.312	9.342	VV	51	710	0.27%	0.130%
88	9.350	9.342	9.357	VV	33	293	0.11%	0.054%
89	9.366	9.357	9.373	VV	42	340	0.13%	0.062%

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90	9.388	9.373	9.401	VV	53	702	0.26%	0.128%
91	9.410	9.401	9.464	VV	48	1500	0.56%	0.274%
92	9.472	9.464	9.480	VV	42	370	0.14%	0.068%
93	9.488	9.480	9.505	VV	46	494	0.18%	0.090%
94	9.549	9.505	9.579	VV	38	1277	0.48%	0.234%
95	9.620	9.579	9.628	VV	34	835	0.31%	0.153%
96	9.636	9.628	9.659	VV	37	537	0.20%	0.098%
97	9.665	9.659	9.713	VV	42	977	0.36%	0.179%
98	9.729	9.713	9.756	VV	45	661	0.25%	0.121%
99	9.771	9.756	9.784	VV	37	499	0.19%	0.091%
100	9.791	9.784	9.801	VV	37	273	0.10%	0.050%
101	9.811	9.801	9.828	VV	33	397	0.15%	0.073%
102	9.832	9.828	9.841	VV	32	175	0.07%	0.032%
103	9.849	9.841	9.854	VV	26	169	0.06%	0.031%
104	9.875	9.854	9.883	VV	31	456	0.17%	0.083%
105	9.904	9.883	9.914	VV	47	603	0.22%	0.110%
106	9.942	9.914	9.982	VV	50	1446	0.54%	0.265%
107	10.001	9.982	10.018	VV	37	553	0.21%	0.101%
108	10.026	10.018	10.037	VV	29	286	0.11%	0.052%
109	10.054	10.037	10.065	VV	34	366	0.14%	0.067%
110	10.075	10.065	10.085	VV	24	150	0.06%	0.028%
111	10.137	10.085	10.171	PV	20	781	0.29%	0.143%
112	10.208	10.171	10.225	VV	23	515	0.19%	0.094%
113	10.254	10.225	10.262	VV	43	651	0.24%	0.119%
114	10.282	10.262	10.301	VV	44	915	0.34%	0.167%
115	10.324	10.301	10.337	VV	59	1052	0.39%	0.192%
116	10.356	10.337	10.368	VV	75	1164	0.43%	0.213%
117	10.388	10.368	10.397	VV	86	1233	0.46%	0.225%
118	10.420	10.397	10.444	VV	75	1738	0.65%	0.318%
119	10.452	10.444	10.488	VV	64	1357	0.51%	0.248%
120	10.498	10.488	10.536	VV	49	1035	0.39%	0.189%
121	10.544	10.536	10.552	VV	40	283	0.11%	0.052%
122	10.624	10.552	10.700	VV	73	3713	1.39%	0.679%
123	10.712	10.700	10.736	VV	31	516	0.19%	0.094%
124	10.745	10.736	10.768	VV	27	407	0.15%	0.075%
125	10.814	10.768	10.824	VV	38	904	0.34%	0.165%
126	10.837	10.824	10.884	VV	38	817	0.30%	0.149%
127	10.957	10.884	10.978	VV	29	1120	0.42%	0.205%
128	10.986	10.978	10.997	VV	30	300	0.11%	0.055%
129	11.004	10.997	11.027	VV	28	312	0.12%	0.057%
130	11.056	11.027	11.073	VV	29	494	0.18%	0.090%
131	11.082	11.073	11.106	VV	21	322	0.12%	0.059%
132	11.139	11.106	11.150	VV	26	523	0.20%	0.096%
133	11.187	11.150	11.237	VV	36	1036	0.39%	0.190%
134	11.246	11.237	11.269	VV	21	313	0.12%	0.057%
135	11.279	11.269	11.303	VV	25	383	0.14%	0.070%
136	11.328	11.303	11.337	VV	27	314	0.12%	0.057%
137	11.351	11.337	11.387	VV	21	421	0.16%	0.077%
138	11.406	11.387	11.441	VV	34	691	0.26%	0.126%
139	11.455	11.441	11.465	VV	20	202	0.08%	0.037%
140	11.475	11.465	11.504	VV	25	452	0.17%	0.083%
141	11.529	11.504	11.537	VV	34	477	0.18%	0.087%

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142	11.543	11.537	11.565	VV	30	318	0.12%	0.058%
143	11.584	11.565	11.600	VV	37	457	0.17%	0.084%
144	11.609	11.600	11.628	VV	21	212	0.08%	0.039%
145	11.638	11.628	11.643	VV	25	143	0.05%	0.026%
146	11.658	11.643	11.668	VV	32	366	0.14%	0.067%
147	11.678	11.668	11.686	VV	31	237	0.09%	0.043%
148	11.694	11.686	11.739	VV	23	501	0.19%	0.092%
149	11.757	11.739	11.768	VV	29	389	0.15%	0.071%
150	11.777	11.768	11.794	VV	32	359	0.13%	0.066%
151	11.811	11.794	11.826	VV	27	407	0.15%	0.074%
152	11.855	11.826	11.866	VV	30	496	0.19%	0.091%
153	11.878	11.866	11.907	VV	38	694	0.26%	0.127%
154	11.916	11.907	11.921	VV	24	184	0.07%	0.034%
155	11.930	11.921	11.954	VV	36	405	0.15%	0.074%
156	11.982	11.954	11.991	VV	20	329	0.12%	0.060%
157	11.999	11.991	12.035	VV	24	460	0.17%	0.084%
158	12.094	12.035	12.139	VV	32	1102	0.41%	0.202%
159	12.171	12.139	12.186	VV	27	510	0.19%	0.093%
160	12.223	12.186	12.254	VV	25	477	0.18%	0.087%
161	12.264	12.254	12.283	VV	17	186	0.07%	0.034%
162	12.297	12.283	12.314	VV	24	281	0.10%	0.051%
163	12.327	12.314	12.359	VV	40	482	0.18%	0.088%
164	12.397	12.359	12.415	PV	40	452	0.17%	0.083%
165	12.438	12.415	12.447	VV	21	240	0.09%	0.044%
166	12.461	12.447	12.499	VV	26	409	0.15%	0.075%
167	12.514	12.499	12.545	VV	15	287	0.11%	0.053%
168	12.583	12.545	12.595	VV	16	242	0.09%	0.044%
169	12.617	12.595	12.629	VV	21	197	0.07%	0.036%
170	12.647	12.629	12.664	VV	26	267	0.10%	0.049%
171	12.688	12.664	12.700	VV	17	277	0.10%	0.051%
172	12.735	12.700	12.753	VV	58	1029	0.38%	0.188%
173	12.784	12.753	12.820	VV	39	1234	0.46%	0.226%
174	12.827	12.820	12.848	VV	29	321	0.12%	0.059%
175	12.858	12.848	12.867	VV	30	253	0.09%	0.046%
176	12.904	12.867	12.920	VV	46	1023	0.38%	0.187%
177	12.935	12.920	12.947	VV	50	597	0.22%	0.109%
178	12.964	12.947	12.990	VV	39	656	0.24%	0.120%
179	13.004	12.990	13.019	VV	38	450	0.17%	0.082%
180	13.032	13.019	13.040	VV	33	351	0.13%	0.064%
181	13.064	13.040	13.081	VV	38	773	0.29%	0.141%
182	13.094	13.081	13.108	VV	38	484	0.18%	0.089%
183	13.177	13.108	13.193	VV	78	2339	0.87%	0.428%
184	13.206	13.193	13.252	VV	82	2082	0.78%	0.381%
185	13.257	13.252	13.269	VV	47	390	0.15%	0.071%
186	13.287	13.269	13.299	VV	44	657	0.25%	0.120%
187	13.311	13.299	13.324	VV	36	470	0.18%	0.086%
188	13.401	13.324	13.412	VV	44	1669	0.62%	0.305%
189	13.422	13.412	13.432	VV	39	383	0.14%	0.070%
190	13.442	13.432	13.463	VV	47	777	0.29%	0.142%
191	13.471	13.463	13.478	VV	44	334	0.12%	0.061%
192	13.494	13.478	13.502	VV	46	563	0.21%	0.103%
193	13.528	13.502	13.546	VV	58	1150	0.43%	0.210%
194	13.568	13.546	13.608	VV	57	1583	0.59%	0.289%

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195	13.635	13.608	13.669	VV	51	1443	0.54%	0.264%
196	13.704	13.669	13.716	VV	55	1161	0.43%	0.212%
197	13.729	13.716	13.758	VV	44	1046	0.39%	0.191%
198	13.808	13.758	13.816	VV	54	1559	0.58%	0.285%
199	13.824	13.816	13.847	VV	59	962	0.36%	0.176%
200	13.965	13.847	13.982	VV	84	5681	2.12%	1.039%
201	13.995	13.982	14.012	VV	63	1034	0.39%	0.189%
202	14.121	14.012	14.170	VV	173	11896	4.44%	2.176%
203	14.176	14.170	14.200	VV	151	2178	0.81%	0.398%
204	14.210	14.200	14.268	VV	113	3167	1.18%	0.579%
205	14.273	14.268	14.296	VV	55	714	0.27%	0.131%
206	14.331	14.296	14.341	VV	45	1033	0.39%	0.189%
207	14.354	14.341	14.365	VV	48	605	0.23%	0.111%
208	14.373	14.365	14.396	VV	47	781	0.29%	0.143%
209	14.415	14.396	14.433	VV	55	1065	0.40%	0.195%
210	14.458	14.433	14.474	VV	63	1333	0.50%	0.244%
211	14.482	14.474	14.492	VV	52	506	0.19%	0.093%
212	14.501	14.492	14.520	VV	49	750	0.28%	0.137%
213	14.544	14.520	14.560	VV	50	1087	0.41%	0.199%
214	14.581	14.560	14.613	VV	53	1351	0.50%	0.247%
215	14.646	14.613	14.666	VV	53	1397	0.52%	0.255%
216	14.684	14.666	14.693	VV	48	674	0.25%	0.123%
217	14.707	14.693	14.726	VV	60	843	0.31%	0.154%
218	14.747	14.726	14.756	VV	49	766	0.29%	0.140%
219	14.816	14.756	14.826	VV	54	1829	0.68%	0.335%
220	14.829	14.826	14.837	VV	47	259	0.10%	0.047%
221	14.873	14.837	14.884	VV	59	1183	0.44%	0.216%
222	14.889	14.884	14.896	VV	39	266	0.10%	0.049%
223	14.919	14.896	14.928	VV	45	756	0.28%	0.138%
224	14.942	14.928	14.954	VV	51	685	0.26%	0.125%
225	14.983	14.954	15.005	VV	59	1626	0.61%	0.297%
226	15.072	15.005	15.144	VV	116	6635	2.48%	1.214%
227	15.164	15.144	15.181	VV	55	1064	0.40%	0.195%
228	15.189	15.181	15.206	VV	51	700	0.26%	0.128%
229	15.243	15.206	15.258	VV	61	1625	0.61%	0.297%
230	15.270	15.258	15.283	VV	55	744	0.28%	0.136%
231	15.292	15.283	15.301	VV	45	444	0.17%	0.081%
232	15.317	15.301	15.334	VV	57	942	0.35%	0.172%
233	15.451	15.334	15.479	VV	87	5852	2.18%	1.070%
234	15.526	15.479	15.568	VV	88	4027	1.50%	0.737%
235	15.624	15.568	15.632	VV	75	2535	0.95%	0.464%
236	15.646	15.632	15.657	VV	84	1114	0.42%	0.204%
237	15.719	15.657	15.734	VV	115	4326	1.61%	0.791%
238	15.846	15.734	15.877	VV	154	11860	4.43%	2.169%
239	15.885	15.877	15.913	VV	146	2999	1.12%	0.548%
240	15.927	15.913	15.990	VV	141	5120	1.91%	0.936%
241	15.998	15.990	16.042	VV	85	2020	0.75%	0.369%
242	16.074	16.042	16.115	VV	52	1831	0.68%	0.335%
243	16.199	16.115	16.294	VV	123	7519	2.81%	1.375%
244	16.310	16.294	16.343	VV	52	1113	0.42%	0.204%
245	16.353	16.343	16.361	VV	41	361	0.13%	0.066%
246	16.405	16.361	16.416	VV	51	1290	0.48%	0.236%

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247	16.439	16.416	16.458	VV	44	891	0.33%	0.163%	
248	16.467	16.458	16.475	VV	40	325	0.12%	0.059%	
249	16.486	16.475	16.498	VV	53	519	0.19%	0.095%	
250	16.525	16.498	16.566	VV	56	1016	0.38%	0.186%	
251	16.610	16.566	16.619	VV	41	661	0.25%	0.121%	
252	16.627	16.619	16.664	VV	39	694	0.26%	0.127%	
253	16.673	16.664	16.685	VV	21	122	0.05%	0.022%	
254	16.709	16.685	16.716	PV	8	96	0.04%	0.018%	
255	16.781	16.716	16.791	PV	19	346	0.13%	0.063%	

Sum of corrected areas: 546755

FB062325.M Thu Jul 10 02:22:46 2025

Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-93	SDG No.:	Q2514
Lab Sample ID:	Q2514-02	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	87.7
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Final Vol:	5
GPC Factor :		Test:	Gasoline Range Organics
Prep Method :		Injection Volume :	

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB032045.D	1	07/09/25 16:15	FB070925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	15.0	J	9.00	51.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	16.5		50 - 150	82%	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\FB070925\
Data File : FB032045.D
Signal(s) : FID2B.CH
Acq On : 9 Jul 2025 16:15
Operator : YP/AJ
Sample : Q2514-02
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-93

Integration File: Calibration.e
Quant Time: Jul 10 01:37:57 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	8.801	254206	16.477 ng/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

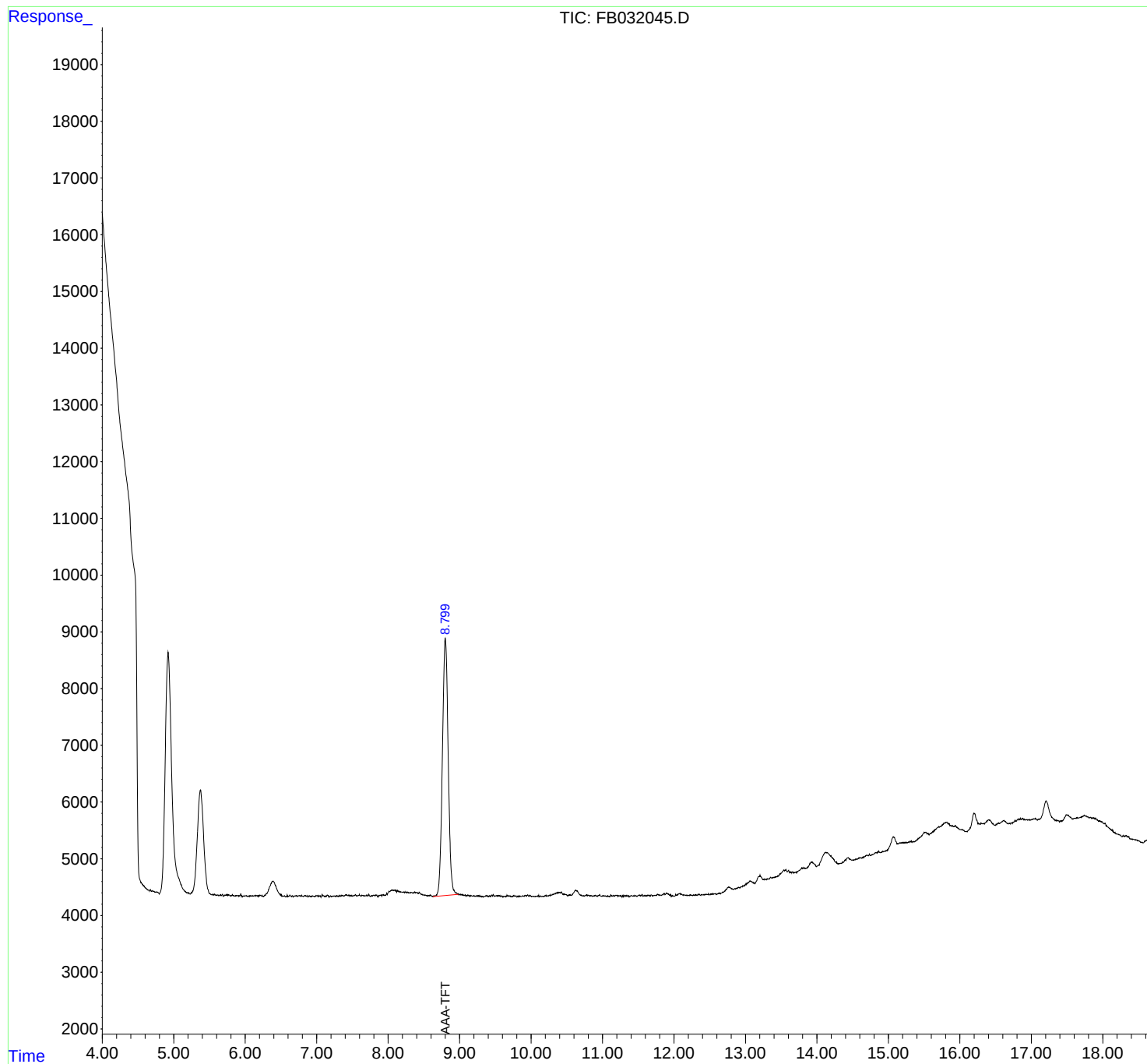
(m)=manual int.

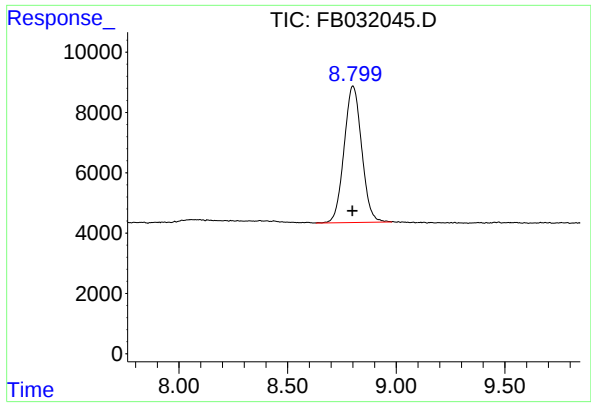
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB070925\
Data File : FB032045.D
Signal(s) : FID2B.CH
Acq On : 9 Jul 2025 16:15
Operator : YP/AJ
Sample : Q2514-02
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-93

Integration File: Calibration.e
Quant Time: Jul 10 01:37:57 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.: 8.801 min
Delta R.T.: 0.003 min
Response: 254206
Conc: 16.48 ng/ml

Instrument :
FID_B
ClientSampleId :
TP-93

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB070925\
 Data File : FB032045.D
 Signal(s) : FID2B.CH
 Acq On : 9 Jul 2025 16:15
 Sample : Q2514-02
 Misc : 5.00G/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	4.668	4.621	4.687	BV	15	134	0.05%	0.021%
2	4.698	4.687	4.715	PV	18	190	0.07%	0.030%
3	4.723	4.715	4.742	VV	18	191	0.07%	0.030%
4	4.751	4.742	4.762	VV	16	171	0.06%	0.027%
5	4.769	4.762	4.798	VV	23	331	0.13%	0.052%
6	5.195	5.184	5.233	VV	43	904	0.34%	0.142%
7	5.550	5.539	5.564	VV	29	254	0.10%	0.040%
8	5.573	5.564	5.604	VV	30	366	0.14%	0.057%
9	5.615	5.604	5.632	VV	16	170	0.06%	0.027%
10	5.656	5.632	5.665	PV	20	199	0.08%	0.031%
11	5.683	5.665	5.702	VV	32	298	0.11%	0.047%
12	5.713	5.702	5.720	VV	18	105	0.04%	0.016%
13	5.744	5.720	5.793	VV	28	761	0.29%	0.120%
14	5.823	5.793	5.856	VV	27	435	0.17%	0.068%
15	5.877	5.856	5.921	VV	17	448	0.17%	0.070%
16	5.938	5.921	5.966	VV	45	469	0.18%	0.074%
17	5.984	5.966	6.057	PV	17	519	0.20%	0.081%
18	6.072	6.057	6.117	VV	19	439	0.17%	0.069%
19	6.142	6.117	6.190	VV	27	719	0.27%	0.113%
20	6.208	6.190	6.260	VV	27	686	0.26%	0.108%
21	6.389	6.260	6.577	VV	277	20226	7.69%	3.177%
22	6.589	6.577	6.603	VV	33	191	0.07%	0.030%
23	6.627	6.603	6.650	VV	31	474	0.18%	0.074%
24	6.661	6.650	6.674	VV	23	203	0.08%	0.032%
25	6.716	6.674	6.736	VV	27	640	0.24%	0.101%
26	6.759	6.736	6.813	VV	26	883	0.34%	0.139%
27	6.834	6.813	6.882	VV	29	709	0.27%	0.111%
28	6.898	6.882	6.926	VV	19	353	0.13%	0.055%
29	6.943	6.926	6.967	VV	22	369	0.14%	0.058%
30	7.007	6.967	7.061	VV	26	1051	0.40%	0.165%
31	7.079	7.061	7.133	PV	44	941	0.36%	0.148%
32	7.152	7.133	7.179	VV	35	643	0.24%	0.101%
33	7.197	7.179	7.262	VV	24	788	0.30%	0.124%
34	7.279	7.262	7.304	VV	28	464	0.18%	0.073%
35	7.319	7.304	7.384	VV	30	1150	0.44%	0.181%
36	7.418	7.384	7.435	VV	42	1008	0.38%	0.158%

					rteres			
37	7.453	7.435	7.504	VV	38	1144	0.43%	0.180%
38	7.545	7.504	7.577	VV	47	1249	0.47%	0.196%
39	7.597	7.577	7.623	VV	42	811	0.31%	0.127%
40	7.640	7.623	7.680	VV	32	885	0.34%	0.139%
41	7.703	7.680	7.716	VV	42	639	0.24%	0.100%
42	7.731	7.716	7.758	VV	51	673	0.26%	0.106%
43	7.837	7.758	7.857	VV	38	1649	0.63%	0.259%
44	7.933	7.857	7.966	VV	43	2111	0.80%	0.332%
45	8.057	7.966	8.306	VV	127	19099	7.26%	3.000%
46	8.325	8.306	8.349	VV	83	2031	0.77%	0.319%
47	8.373	8.349	8.392	VV	96	2105	0.80%	0.331%
48	8.404	8.392	8.428	VV	85	1631	0.62%	0.256%
49	8.439	8.428	8.558	VV	80	3515	1.34%	0.552%
50	8.591	8.558	8.629	VV	33	1033	0.39%	0.162%
51	8.801	8.629	9.088	VV	4559	263126	100.00%	41.325%
52	9.113	9.088	9.143	VV	36	897	0.34%	0.141%
53	9.159	9.143	9.180	VV	26	501	0.19%	0.079%
54	9.195	9.180	9.224	VV	23	543	0.21%	0.085%
55	9.270	9.224	9.333	VV	34	1087	0.41%	0.171%
56	9.378	9.333	9.430	PV	28	941	0.36%	0.148%
57	9.472	9.430	9.505	VV	48	1141	0.43%	0.179%
58	9.518	9.505	9.542	VV	29	502	0.19%	0.079%
59	9.551	9.542	9.627	VV	28	799	0.30%	0.125%
60	9.686	9.627	9.723	VV	30	965	0.37%	0.152%
61	9.761	9.723	9.778	VV	30	530	0.20%	0.083%
62	9.786	9.778	9.806	VV	22	223	0.08%	0.035%
63	9.828	9.806	9.898	VV	25	794	0.30%	0.125%
64	9.919	9.898	9.940	VV	33	575	0.22%	0.090%
65	9.953	9.940	9.970	VV	41	502	0.19%	0.079%
66	9.985	9.970	10.015	VV	31	503	0.19%	0.079%
67	10.025	10.015	10.059	VV	14	308	0.12%	0.048%
68	10.106	10.059	10.149	VV	27	710	0.27%	0.112%
69	10.208	10.149	10.241	VV	33	992	0.38%	0.156%
70	10.426	10.241	10.524	VV	93	9120	3.47%	1.432%
71	10.538	10.524	10.560	VV	38	742	0.28%	0.117%
72	10.626	10.560	10.746	VV	125	6854	2.60%	1.077%
73	10.776	10.746	10.830	VV	38	1375	0.52%	0.216%
74	10.841	10.830	10.877	VV	28	553	0.21%	0.087%
75	10.901	10.877	10.925	VV	31	636	0.24%	0.100%
76	10.960	10.925	10.985	VV	43	849	0.32%	0.133%
77	11.003	10.985	11.061	VV	25	795	0.30%	0.125%
78	11.075	11.061	11.103	VV	24	307	0.12%	0.048%
79	11.118	11.103	11.140	VV	39	487	0.19%	0.077%
80	11.153	11.140	11.166	VV	30	330	0.13%	0.052%
81	11.194	11.166	11.276	VV	29	1495	0.57%	0.235%
82	11.317	11.276	11.384	PV	31	1152	0.44%	0.181%
83	11.404	11.384	11.423	VV	25	409	0.16%	0.064%
84	11.467	11.423	11.483	VV	26	556	0.21%	0.087%
85	11.516	11.483	11.529	VV	28	568	0.22%	0.089%
86	11.554	11.529	11.570	VV	37	581	0.22%	0.091%
87	11.592	11.570	11.615	VV	28	463	0.18%	0.073%
88	11.648	11.615	11.664	VV	29	572	0.22%	0.090%
89	11.683	11.664	11.710	VV	32	564	0.21%	0.089%

					rteres			
90	11.772	11.710	11.824	VV	33	1666	0.63%	0.262%
91	11.864	11.824	11.878	VV	54	1178	0.45%	0.185%
92	11.896	11.878	12.002	VV	62	1927	0.73%	0.303%
93	12.079	12.002	12.194	PV	45	2423	0.92%	0.381%
94	12.229	12.194	12.292	VV	22	479	0.18%	0.075%
95	12.300	12.292	12.328	VV	17	192	0.07%	0.030%
96	12.343	12.328	12.378	VV	19	377	0.14%	0.059%
97	12.391	12.378	12.425	PV	18	272	0.10%	0.043%
98	12.455	12.425	12.492	VV	16	440	0.17%	0.069%
99	12.575	12.492	12.599	PV	14	646	0.25%	0.101%
100	12.766	12.599	12.831	PV	74	3840	1.46%	0.603%
101	12.905	12.831	12.923	VV	31	1150	0.44%	0.181%
102	13.066	12.923	13.134	VV	92	6458	2.45%	1.014%
103	13.204	13.134	13.265	VV	150	7199	2.74%	1.131%
104	13.566	13.265	13.586	VV	146	14663	5.57%	2.303%
105	13.603	13.586	13.644	VV	119	3184	1.21%	0.500%
106	13.657	13.644	13.675	VV	66	1164	0.44%	0.183%
107	13.810	13.675	13.845	VV	102	7258	2.76%	1.140%
108	13.927	13.845	13.998	VV	165	10640	4.04%	1.671%
109	14.125	13.998	14.321	VV	278	28889	10.98%	4.537%
110	14.440	14.321	14.512	VV	87	5021	1.91%	0.789%
111	14.606	14.512	14.627	VV	35	1789	0.68%	0.281%
112	14.700	14.627	14.721	VV	50	2103	0.80%	0.330%
113	14.735	14.721	14.752	VV	59	760	0.29%	0.119%
114	14.866	14.752	14.891	VV	67	3880	1.47%	0.609%
115	15.071	14.891	15.141	VV	257	17492	6.65%	2.747%
116	15.522	15.141	15.576	VV	204	33583	12.76%	5.274%
117	15.817	15.576	15.880	VV	292	42565	16.18%	6.685%
118	15.892	15.880	15.913	VV	204	3862	1.47%	0.607%
119	15.938	15.913	16.026	VV	201	9934	3.78%	1.560%
120	16.035	16.026	16.071	VV	98	2173	0.83%	0.341%
121	16.200	16.071	16.282	VV	329	19419	7.38%	3.050%
122	16.302	16.282	16.344	VV	125	4345	1.65%	0.682%
123	16.404	16.344	16.494	VV	157	9840	3.74%	1.545%
124	16.542	16.494	16.558	VV	63	1684	0.64%	0.264%
125	16.616	16.558	16.678	VV	80	3623	1.38%	0.569%
126	16.773	16.678	16.792	PV	18	104	0.04%	0.016%
				Sum of corrected areas:		636725		

FB062325.M Thu Jul 10 02:22:11 2025

Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-94	SDG No.:	Q2514
Lab Sample ID:	Q2514-03	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	88.1
Sample Wt/Vol:	4.6	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
FB032049.D	1	07/09/25 18:05	FB070925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	10.0	U	10.0	56.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	8.11	*	50 - 150	41%	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\FB070925\
Data File : FB032049.D
Signal(s) : FID2B.CH
Acq On : 9 Jul 2025 18:05
Operator : YP/AJ
Sample : Q2514-03
Misc : 4.60G/5.00 ML DI WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-94

Integration File: Calibration.e
Quant Time: Jul 10 01:38:21 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	8.801	125148	8.112 ng/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

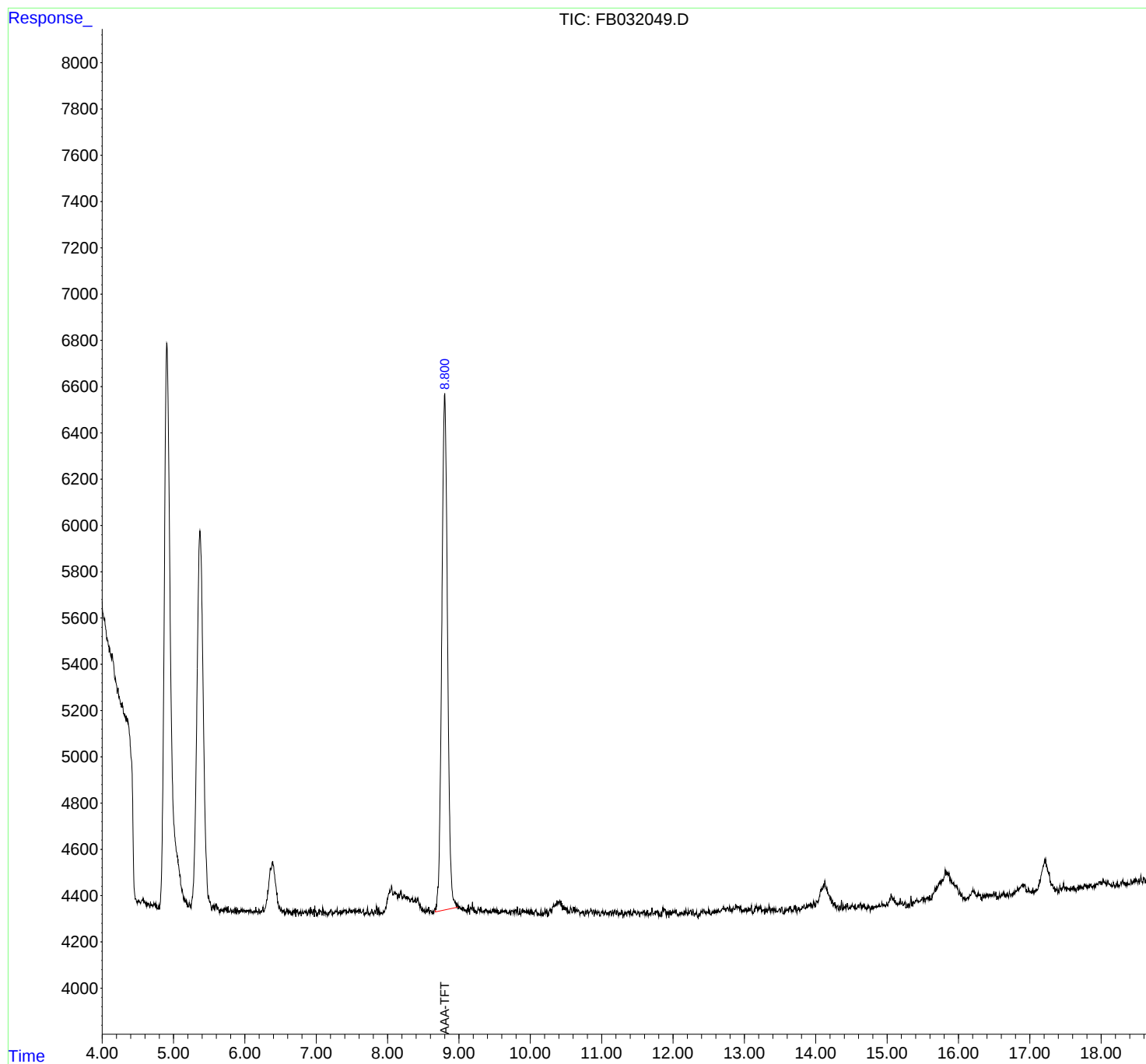
(m)=manual int.

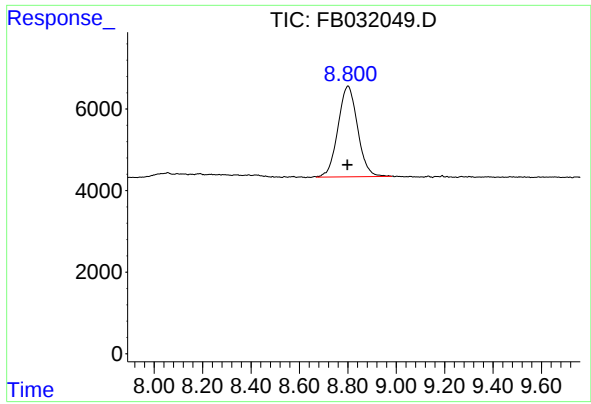
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB070925\
Data File : FB032049.D
Signal(s) : FID2B.CH
Acq On : 9 Jul 2025 18:05
Operator : YP/AJ
Sample : Q2514-03
Misc : 4.60G/5.00 ML DI WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-94

Integration File: Calibration.e
Quant Time: Jul 10 01:38:21 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.: 8.801 min
Delta R.T.: 0.003 min
Response: 125148
Conc: 8.11 ng/ml

Instrument :
FID_B
ClientSampleId :
TP-94

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB070925\
 Data File : FB032049.D
 Signal(s) : FID2B.CH
 Acq On : 9 Jul 2025 18:05
 Sample : Q2514-03
 Misc : 4.60G/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	4.626	4.604	4.669	BV	10	193	0.15%	0.058%
2	4.679	4.669	4.708	PV	22	302	0.23%	0.091%
3	4.727	4.708	4.785	VV	22	508	0.39%	0.153%
4	4.796	4.785	4.804	PV	15	115	0.09%	0.035%
5	5.179	5.172	5.214	VV	47	686	0.52%	0.206%
6	5.222	5.214	5.247	VV	33	472	0.36%	0.142%
7	5.550	5.534	5.584	VV	31	655	0.50%	0.197%
8	5.596	5.584	5.618	VV	37	540	0.41%	0.162%
9	5.626	5.618	5.684	VV	23	436	0.33%	0.131%
10	5.752	5.684	5.782	VV	27	820	0.62%	0.246%
11	5.802	5.782	5.826	VV	20	262	0.20%	0.079%
12	5.836	5.826	5.850	VV	18	141	0.11%	0.042%
13	5.861	5.850	5.870	VV	23	154	0.12%	0.046%
14	5.878	5.870	5.887	VV	27	118	0.09%	0.035%
15	5.898	5.887	5.918	PV	21	205	0.16%	0.061%
16	5.966	5.918	5.976	VV	20	428	0.32%	0.129%
17	5.985	5.976	6.018	VV	20	331	0.25%	0.099%
18	6.087	6.018	6.101	VV	19	659	0.50%	0.198%
19	6.113	6.101	6.121	VV	12	124	0.09%	0.037%
20	6.130	6.121	6.141	VV	16	142	0.11%	0.043%
21	6.154	6.141	6.185	VV	30	368	0.28%	0.110%
22	6.199	6.185	6.213	VV	23	190	0.14%	0.057%
23	6.253	6.213	6.270	VV	34	579	0.44%	0.174%
24	6.391	6.270	6.501	VV	232	15836	12.01%	4.758%
25	6.511	6.501	6.539	VV	31	458	0.35%	0.137%
26	6.549	6.539	6.563	VV	23	221	0.17%	0.066%
27	6.586	6.563	6.614	VV	29	483	0.37%	0.145%
28	6.622	6.614	6.655	VV	20	299	0.23%	0.090%
29	6.706	6.655	6.715	VV	30	556	0.42%	0.167%
30	6.739	6.715	6.753	PV	27	348	0.26%	0.104%
31	6.784	6.753	6.792	VV	18	291	0.22%	0.088%
32	6.806	6.792	6.815	VV	19	173	0.13%	0.052%
33	6.860	6.815	6.880	VV	23	561	0.43%	0.169%
34	6.896	6.880	6.914	VV	27	321	0.24%	0.096%
35	6.922	6.914	6.950	VV	34	413	0.31%	0.124%
36	6.963	6.950	6.975	VV	29	251	0.19%	0.075%

					rteres				
37	6.982	6.975	7.006	VV	39	343	0.26%	0.103%	
38	7.041	7.006	7.084	PV	25	718	0.54%	0.216%	
39	7.092	7.084	7.110	VV	36	348	0.26%	0.105%	
40	7.119	7.110	7.158	VV	19	355	0.27%	0.107%	
41	7.167	7.158	7.177	VV	15	118	0.09%	0.036%	
42	7.188	7.177	7.194	VV	21	161	0.12%	0.048%	
43	7.210	7.194	7.225	VV	27	343	0.26%	0.103%	
44	7.293	7.225	7.312	VV	31	808	0.61%	0.243%	
45	7.334	7.312	7.342	VV	25	278	0.21%	0.084%	
46	7.378	7.342	7.386	VV	26	456	0.35%	0.137%	
47	7.402	7.386	7.446	VV	29	751	0.57%	0.225%	
48	7.466	7.446	7.514	VV	31	885	0.67%	0.266%	
49	7.523	7.514	7.545	VV	28	430	0.33%	0.129%	
50	7.555	7.545	7.571	VV	33	341	0.26%	0.102%	
51	7.608	7.571	7.633	VV	27	816	0.62%	0.245%	
52	7.659	7.633	7.678	VV	28	476	0.36%	0.143%	
53	7.720	7.678	7.752	VV	40	705	0.53%	0.212%	
54	7.779	7.752	7.805	VV	31	547	0.41%	0.164%	
55	7.822	7.805	7.833	VV	27	289	0.22%	0.087%	
56	7.846	7.833	7.859	VV	43	411	0.31%	0.123%	
57	7.877	7.859	7.889	VV	38	405	0.31%	0.122%	
58	7.913	7.889	7.930	VV	18	344	0.26%	0.103%	
59	8.057	7.930	8.080	VV	131	6495	4.93%	1.951%	
60	8.095	8.080	8.117	VV	108	2222	1.69%	0.668%	
61	8.128	8.117	8.166	VV	100	2702	2.05%	0.812%	
62	8.190	8.166	8.215	VV	111	2757	2.09%	0.828%	
63	8.236	8.215	8.256	VV	92	2075	1.57%	0.623%	
64	8.270	8.256	8.321	VV	88	3039	2.31%	0.913%	
65	8.332	8.321	8.367	VV	77	1958	1.49%	0.588%	
66	8.391	8.367	8.403	VV	80	1495	1.13%	0.449%	
67	8.421	8.403	8.484	VV	74	2610	1.98%	0.784%	
68	8.490	8.484	8.498	VV	39	251	0.19%	0.075%	
69	8.506	8.498	8.529	VV	30	453	0.34%	0.136%	
70	8.539	8.529	8.564	VV	36	557	0.42%	0.167%	
71	8.578	8.564	8.588	VV	41	426	0.32%	0.128%	
72	8.608	8.588	8.627	VV	28	509	0.39%	0.153%	
73	8.636	8.627	8.646	VV	20	209	0.16%	0.063%	
74	8.801	8.646	8.995	VV	2260	131816	100.00%	39.601%	
75	9.006	8.995	9.049	VV	45	1241	0.94%	0.373%	
76	9.059	9.049	9.116	VV	41	1223	0.93%	0.367%	
77	9.133	9.116	9.152	VV	51	729	0.55%	0.219%	
78	9.190	9.152	9.252	VV	65	1957	1.48%	0.588%	
79	9.270	9.252	9.328	VV	41	1350	1.02%	0.406%	
80	9.378	9.328	9.458	VV	32	1915	1.45%	0.575%	
81	9.473	9.458	9.503	VV	34	727	0.55%	0.218%	
82	9.531	9.503	9.564	VV	34	885	0.67%	0.266%	
83	9.655	9.564	9.695	VV	32	1837	1.39%	0.552%	
84	9.708	9.695	9.728	VV	26	400	0.30%	0.120%	
85	9.745	9.728	9.783	VV	29	798	0.61%	0.240%	
86	9.796	9.783	9.839	VV	31	852	0.65%	0.256%	
87	9.895	9.839	10.006	VV	36	2297	1.74%	0.690%	
88	10.015	10.006	10.054	VV	34	562	0.43%	0.169%	
89	10.076	10.054	10.137	VV	28	938	0.71%	0.282%	

					rteres			
90	10.207	10.137	10.246	VV	35	1224	0.93%	0.368%
91	10.277	10.246	10.291	VV	35	663	0.50%	0.199%
92	10.412	10.291	10.552	VV	72	7189	5.45%	2.160%
93	10.568	10.552	10.588	VV	39	683	0.52%	0.205%
94	10.608	10.588	10.639	VV	33	989	0.75%	0.297%
95	10.655	10.639	10.697	VV	38	1004	0.76%	0.302%
96	10.738	10.697	10.764	VV	26	825	0.63%	0.248%
97	10.800	10.764	10.819	VV	31	725	0.55%	0.218%
98	10.850	10.819	10.870	VV	38	811	0.62%	0.244%
99	10.883	10.870	10.898	VV	33	388	0.29%	0.117%
100	10.921	10.898	10.936	VV	26	488	0.37%	0.147%
101	10.950	10.936	10.983	VV	29	523	0.40%	0.157%
102	11.019	10.983	11.034	VV	28	628	0.48%	0.189%
103	11.055	11.034	11.073	VV	30	484	0.37%	0.145%
104	11.088	11.073	11.111	VV	19	438	0.33%	0.132%
105	11.123	11.111	11.140	VV	26	393	0.30%	0.118%
106	11.184	11.140	11.203	VV	34	853	0.65%	0.256%
107	11.217	11.203	11.239	VV	25	464	0.35%	0.139%
108	11.286	11.239	11.302	VV	33	725	0.55%	0.218%
109	11.369	11.302	11.395	VV	30	1093	0.83%	0.328%
110	11.406	11.395	11.421	VV	36	327	0.25%	0.098%
111	11.451	11.421	11.493	VV	37	968	0.73%	0.291%
112	11.516	11.493	11.534	VV	27	489	0.37%	0.147%
113	11.563	11.534	11.576	VV	26	529	0.40%	0.159%
114	11.597	11.576	11.632	VV	32	764	0.58%	0.230%
115	11.643	11.632	11.665	VV	22	384	0.29%	0.115%
116	11.707	11.665	11.725	VV	35	799	0.61%	0.240%
117	11.779	11.725	11.819	VV	31	1198	0.91%	0.360%
118	11.859	11.819	11.911	VV	43	1488	1.13%	0.447%
119	11.927	11.911	11.944	VV	21	365	0.28%	0.110%
120	11.959	11.944	11.971	VV	30	331	0.25%	0.100%
121	12.044	11.971	12.080	VV	35	1488	1.13%	0.447%
122	12.100	12.080	12.166	VV	26	1051	0.80%	0.316%
123	12.182	12.166	12.208	VV	39	617	0.47%	0.185%
124	12.218	12.208	12.269	VV	32	941	0.71%	0.283%
125	12.282	12.269	12.299	VV	37	430	0.33%	0.129%
126	12.329	12.299	12.356	VV	31	520	0.39%	0.156%
127	12.434	12.356	12.457	PV	37	1438	1.09%	0.432%
128	12.499	12.457	12.534	VV	38	1075	0.82%	0.323%
129	12.638	12.534	12.658	VV	35	1753	1.33%	0.527%
130	12.706	12.658	12.737	VV	45	1567	1.19%	0.471%
131	12.765	12.737	12.779	VV	40	889	0.67%	0.267%
132	12.790	12.779	12.813	VV	42	666	0.51%	0.200%
133	12.880	12.813	12.935	VV	48	2663	2.02%	0.800%
134	12.947	12.935	13.001	VV	42	1096	0.83%	0.329%
135	13.019	13.001	13.046	VV	29	702	0.53%	0.211%
136	13.098	13.046	13.123	VV	41	1214	0.92%	0.365%
137	13.170	13.123	13.186	VV	43	1068	0.81%	0.321%
138	13.224	13.186	13.255	VV	40	1234	0.94%	0.371%
139	13.268	13.255	13.298	VV	24	499	0.38%	0.150%
140	13.347	13.298	13.373	VV	43	1029	0.78%	0.309%
141	13.387	13.373	13.468	VV	28	1124	0.85%	0.338%

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142	13.492	13.468	13.513	VV	27	534	0.41%	0.161%
143	13.524	13.513	13.545	VV	31	361	0.27%	0.108%
144	13.644	13.545	13.682	VV	33	1422	1.08%	0.427%
145	13.708	13.682	13.737	VV	35	763	0.58%	0.229%
146	13.836	13.737	13.859	VV	38	1676	1.27%	0.504%
147	13.931	13.859	13.953	VV	40	1844	1.40%	0.554%
148	13.972	13.953	13.994	VV	46	898	0.68%	0.270%
149	14.129	13.994	14.322	VV	138	12995	9.86%	3.904%
150	14.361	14.322	14.462	VV	50	1738	1.32%	0.522%
151	14.511	14.462	14.570	VV	31	1230	0.93%	0.369%
152	14.623	14.570	14.650	VV	31	1038	0.79%	0.312%
153	14.679	14.650	14.712	VV	25	653	0.50%	0.196%
154	14.741	14.712	14.766	VV	19	413	0.31%	0.124%
155	14.784	14.766	14.817	PV	18	324	0.25%	0.097%
156	14.890	14.817	14.912	VV	23	898	0.68%	0.270%
157	14.929	14.912	14.951	VV	31	491	0.37%	0.147%
158	14.958	14.951	14.978	VV	22	298	0.23%	0.089%
159	14.996	14.978	15.012	VV	28	397	0.30%	0.119%
160	15.058	15.012	15.163	VV	65	3082	2.34%	0.926%
161	15.187	15.163	15.235	VV	42	965	0.73%	0.290%
162	15.250	15.235	15.270	VV	25	296	0.22%	0.089%
163	15.334	15.270	15.357	PV	44	646	0.49%	0.194%
164	15.418	15.357	15.446	VV	34	1192	0.90%	0.358%
165	15.598	15.446	15.616	VV	39	2954	2.24%	0.887%
166	15.815	15.616	15.955	VV	144	18383	13.95%	5.523%
167	15.968	15.955	16.107	VV	77	3426	2.60%	1.029%
168	16.128	16.107	16.148	VV	17	330	0.25%	0.099%
169	16.202	16.148	16.259	VV	47	2142	1.62%	0.643%
170	16.282	16.259	16.327	VV	32	807	0.61%	0.242%
171	16.400	16.327	16.444	VV	24	1143	0.87%	0.343%
172	16.455	16.444	16.471	VV	21	272	0.21%	0.082%
173	16.498	16.471	16.660	VV	33	1484	1.13%	0.446%
174	16.682	16.660	16.702	VV	16	224	0.17%	0.067%
Sum of corrected areas:							332860	

FB062325.M Thu Jul 10 02:25:38 2025

Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-96	SDG No.:	Q2514
Lab Sample ID:	Q2514-04	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	85.8
Sample Wt/Vol:	4.6	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
FB032050.D	1	07/09/25 18:32	FB070925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	10.0	U	10.0	57.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	16.7		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\FB070925\
Data File : FB032050.D
Signal(s) : FID2B.CH
Acq On : 9 Jul 2025 18:32
Operator : YP/AJ
Sample : Q2514-04
Misc : 4.60G/5.00 ML DI WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-96

Integration File: Calibration.e
Quant Time: Jul 10 01:38:28 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	8.802	257419	16.685 ng/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

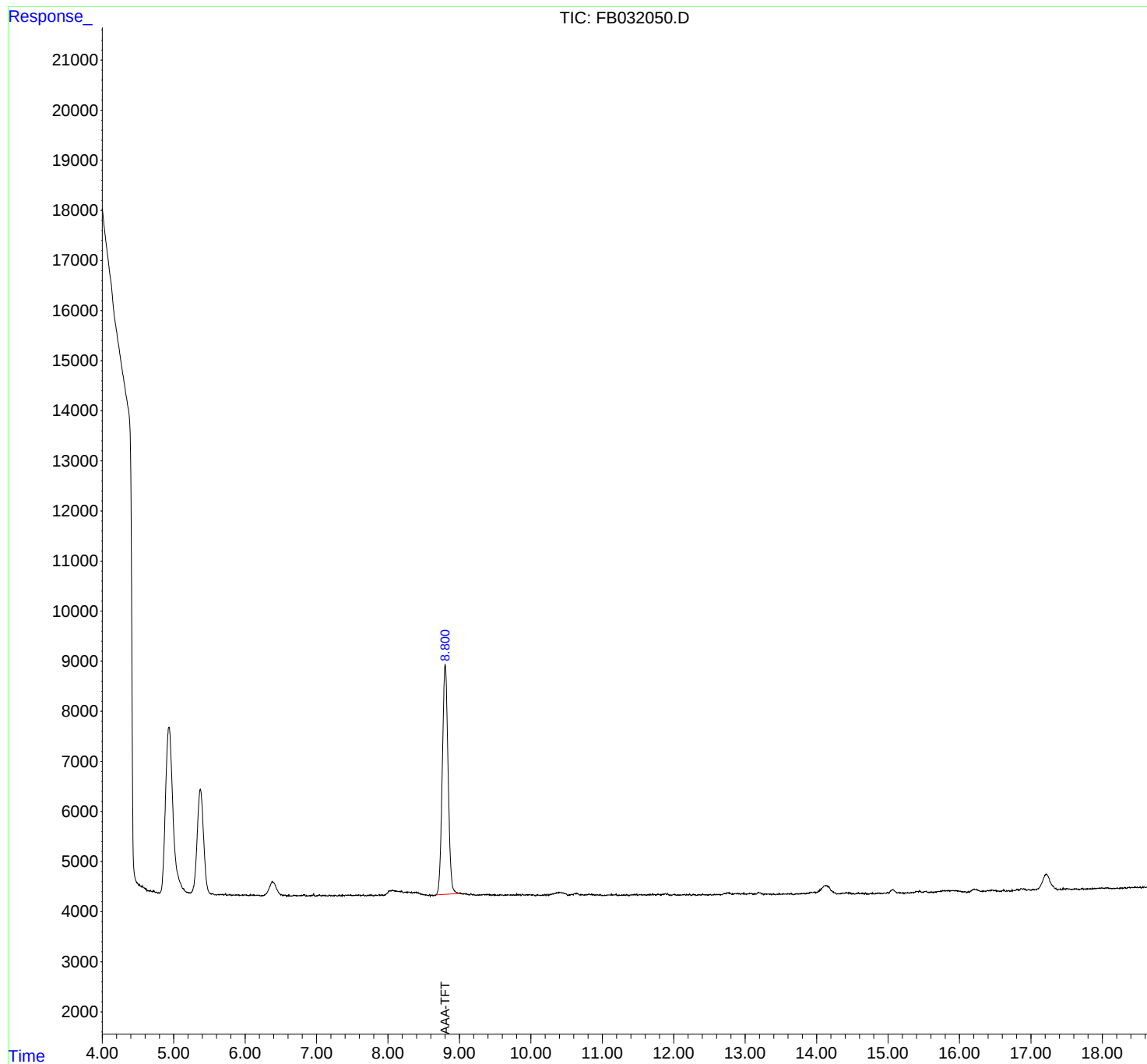
(m)=manual int.

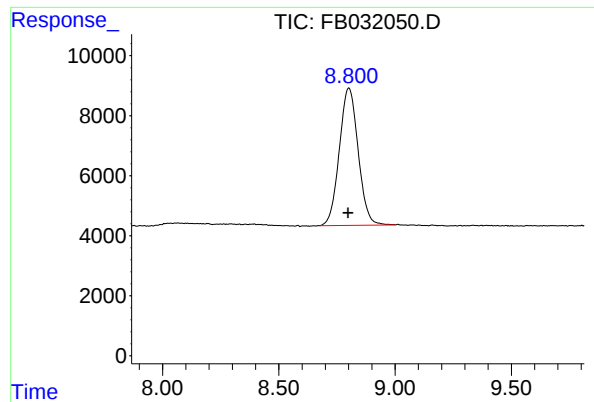
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB070925\
Data File : FB032050.D
Signal(s) : FID2B.CH
Acq On : 9 Jul 2025 18:32
Operator : YP/AJ
Sample : Q2514-04
Misc : 4.60G/5.00 ML DI WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-96

Integration File: Calibration.e
Quant Time: Jul 10 01:38:28 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.: 8.802 min
Delta R.T.: 0.004 min
Response: 257419
Conc: 16.69 ng/ml

Instrument :
FID_B
ClientSampleId :
TP-96

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB070925\
 Data File : FB032050.D
 Signal(s) : FID2B.CH
 Acq On : 9 Jul 2025 18:32
 Sample : Q2514-04
 Misc : 4.60G/5.00 ML DI WATER
 ALS Vial : 10 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	4.614	4.604	4.639	BV	22	74	0.03%	0.016%
2	4.646	4.639	4.668	PV	8	83	0.03%	0.018%
3	4.675	4.668	4.704	VV	22	212	0.08%	0.046%
4	4.715	4.704	4.724	VV	39	262	0.10%	0.057%
5	4.730	4.724	4.744	VV	30	205	0.08%	0.045%
6	4.757	4.744	4.781	VV	19	277	0.10%	0.061%
7	4.790	4.781	4.801	PV	14	104	0.04%	0.023%
8	5.534	5.528	5.542	VV	31	215	0.08%	0.047%
9	5.552	5.542	5.574	VV	32	368	0.14%	0.081%
10	5.584	5.574	5.598	VV	12	98	0.04%	0.021%
11	5.624	5.598	5.635	PV	20	263	0.10%	0.057%
12	5.649	5.635	5.670	VV	16	303	0.11%	0.066%
13	5.676	5.670	5.704	VV	19	293	0.11%	0.064%
14	5.729	5.704	5.747	VV	35	400	0.15%	0.087%
15	5.794	5.747	5.807	VV	22	422	0.16%	0.092%
16	5.815	5.807	5.822	PV	13	67	0.02%	0.015%
17	5.837	5.822	5.856	VV	15	220	0.08%	0.048%
18	5.870	5.856	5.900	VV	15	328	0.12%	0.072%
19	5.917	5.900	5.937	VV	16	232	0.09%	0.051%
20	5.993	5.937	6.004	VV	20	511	0.19%	0.112%
21	6.020	6.004	6.055	VV	20	324	0.12%	0.071%
22	6.071	6.055	6.081	VV	26	176	0.07%	0.038%
23	6.097	6.081	6.109	VV	19	258	0.10%	0.056%
24	6.119	6.109	6.149	VV	23	302	0.11%	0.066%
25	6.169	6.149	6.182	VV	19	249	0.09%	0.054%
26	6.190	6.182	6.196	VV	15	115	0.04%	0.025%
27	6.201	6.196	6.214	VV	18	79	0.03%	0.017%
28	6.237	6.214	6.247	PV	12	120	0.05%	0.026%
29	6.378	6.247	6.387	VV	293	9848	3.69%	2.153%
30	6.392	6.387	6.498	VV	281	10246	3.84%	2.240%
31	6.505	6.498	6.553	VV	36	693	0.26%	0.151%
32	6.560	6.553	6.578	VV	26	240	0.09%	0.053%
33	6.586	6.578	6.592	VV	18	81	0.03%	0.018%
34	6.614	6.592	6.634	VV	34	327	0.12%	0.071%
35	6.646	6.634	6.655	VV	9	69	0.03%	0.015%
36	6.678	6.655	6.715	VV	23	493	0.18%	0.108%

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37	6.725	6.715	6.752	VV	16	229	0.09%	0.050%
38	6.778	6.752	6.786	VV	18	271	0.10%	0.059%
39	6.831	6.786	6.852	VV	37	802	0.30%	0.175%
40	6.862	6.852	6.881	PV	16	123	0.05%	0.027%
41	6.906	6.881	6.914	VV	16	223	0.08%	0.049%
42	6.920	6.914	6.931	VV	18	120	0.04%	0.026%
43	6.938	6.931	6.944	VV	21	121	0.05%	0.026%
44	6.960	6.944	6.985	VV	38	486	0.18%	0.106%
45	7.012	6.985	7.019	PV	17	185	0.07%	0.040%
46	7.041	7.019	7.065	VV	34	544	0.20%	0.119%
47	7.090	7.065	7.097	VV	20	281	0.11%	0.061%
48	7.107	7.097	7.119	VV	23	199	0.07%	0.043%
49	7.128	7.119	7.151	VV	20	231	0.09%	0.050%
50	7.180	7.151	7.199	VV	26	418	0.16%	0.091%
51	7.209	7.199	7.226	VV	20	200	0.07%	0.044%
52	7.267	7.226	7.291	VV	23	496	0.19%	0.108%
53	7.314	7.291	7.348	VV	28	473	0.18%	0.103%
54	7.367	7.348	7.391	VV	25	433	0.16%	0.095%
55	7.408	7.391	7.420	VV	27	347	0.13%	0.076%
56	7.445	7.420	7.457	VV	28	503	0.19%	0.110%
57	7.478	7.457	7.511	VV	29	635	0.24%	0.139%
58	7.521	7.511	7.536	VV	20	246	0.09%	0.054%
59	7.549	7.536	7.557	VV	29	266	0.10%	0.058%
60	7.563	7.557	7.585	VV	26	326	0.12%	0.071%
61	7.590	7.585	7.618	VV	29	444	0.17%	0.097%
62	7.656	7.618	7.676	VV	37	662	0.25%	0.145%
63	7.688	7.676	7.700	VV	18	162	0.06%	0.035%
64	7.717	7.700	7.728	VV	23	244	0.09%	0.053%
65	7.750	7.728	7.759	VV	31	361	0.14%	0.079%
66	7.774	7.759	7.789	VV	35	347	0.13%	0.076%
67	7.823	7.789	7.855	VV	26	596	0.22%	0.130%
68	7.878	7.855	7.889	VV	35	456	0.17%	0.100%
69	7.905	7.889	7.915	VV	30	325	0.12%	0.071%
70	8.036	7.915	8.044	VV	113	4334	1.62%	0.947%
71	8.066	8.044	8.183	VV	122	8542	3.20%	1.867%
72	8.192	8.183	8.215	VV	104	1661	0.62%	0.363%
73	8.235	8.215	8.245	VV	80	1308	0.49%	0.286%
74	8.264	8.245	8.319	VV	87	3461	1.30%	0.756%
75	8.330	8.319	8.568	VV	84	7359	2.76%	1.609%
76	8.581	8.568	8.595	VV	35	288	0.11%	0.063%
77	8.611	8.595	8.632	VV	18	330	0.12%	0.072%
78	8.801	8.632	9.056	VV	4618	267058	100.00%	58.377%
79	9.074	9.056	9.144	VV	49	1972	0.74%	0.431%
80	9.161	9.144	9.194	VV	48	976	0.37%	0.213%
81	9.201	9.194	9.228	VV	36	463	0.17%	0.101%
82	9.337	9.228	9.381	VV	38	2173	0.81%	0.475%
83	9.393	9.381	9.436	VV	36	854	0.32%	0.187%
84	9.440	9.436	9.556	VV	32	1312	0.49%	0.287%
85	9.569	9.556	9.617	VV	30	749	0.28%	0.164%
86	9.641	9.617	9.699	VV	24	966	0.36%	0.211%
87	9.720	9.699	9.742	VV	26	512	0.19%	0.112%
88	9.756	9.742	9.776	VV	26	406	0.15%	0.089%
89	9.804	9.776	9.833	VV	35	718	0.27%	0.157%

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90	9.850	9.833	9.865	VV	35	395	0.15%	0.086%
91	9.883	9.865	9.923	VV	32	741	0.28%	0.162%
92	9.938	9.923	9.959	VV	29	478	0.18%	0.104%
93	9.976	9.959	10.025	VV	30	874	0.33%	0.191%
94	10.036	10.025	10.073	VV	21	405	0.15%	0.088%
95	10.089	10.073	10.148	VV	25	657	0.25%	0.144%
96	10.167	10.148	10.218	VV	26	699	0.26%	0.153%
97	10.229	10.218	10.244	VV	34	301	0.11%	0.066%
98	10.414	10.244	10.533	VV	70	7709	2.89%	1.685%
99	10.572	10.533	10.594	VV	30	851	0.32%	0.186%
100	10.638	10.594	10.688	VV	50	2105	0.79%	0.460%
101	10.705	10.688	10.745	VV	29	718	0.27%	0.157%
102	10.758	10.745	10.771	VV	23	277	0.10%	0.061%
103	10.817	10.771	10.841	VV	35	1086	0.41%	0.237%
104	10.850	10.841	10.914	VV	31	906	0.34%	0.198%
105	10.929	10.914	10.958	VV	26	474	0.18%	0.104%
106	10.973	10.958	11.022	VV	31	486	0.18%	0.106%
107	11.096	11.022	11.111	VV	19	666	0.25%	0.146%
108	11.130	11.111	11.217	VV	34	1185	0.44%	0.259%
109	11.243	11.217	11.259	PV	17	233	0.09%	0.051%
110	11.293	11.259	11.326	VV	17	495	0.19%	0.108%
111	11.340	11.326	11.368	VV	27	354	0.13%	0.077%
112	11.452	11.368	11.498	VV	30	1378	0.52%	0.301%
113	11.516	11.498	11.573	VV	24	809	0.30%	0.177%
114	11.587	11.573	11.619	VV	17	459	0.17%	0.100%
115	11.659	11.619	11.685	VV	28	731	0.27%	0.160%
116	11.704	11.685	11.720	VV	37	503	0.19%	0.110%
117	11.733	11.720	11.753	VV	24	383	0.14%	0.084%
118	11.780	11.753	11.815	VV	32	821	0.31%	0.180%
119	11.884	11.815	11.902	VV	44	1431	0.54%	0.313%
120	11.916	11.902	11.946	VV	43	599	0.22%	0.131%
121	11.961	11.946	11.975	VV	16	219	0.08%	0.048%
122	12.010	11.975	12.038	VV	31	708	0.27%	0.155%
123	12.058	12.038	12.076	VV	20	288	0.11%	0.063%
124	12.091	12.076	12.104	VV	20	215	0.08%	0.047%
125	12.145	12.104	12.167	VV	28	694	0.26%	0.152%
126	12.224	12.167	12.247	VV	25	806	0.30%	0.176%
127	12.275	12.247	12.322	PV	20	641	0.24%	0.140%
128	12.360	12.322	12.391	VV	16	546	0.20%	0.119%
129	12.407	12.391	12.447	VV	31	580	0.22%	0.127%
130	12.461	12.447	12.484	VV	19	283	0.11%	0.062%
131	12.512	12.484	12.534	VV	19	470	0.18%	0.103%
132	12.571	12.534	12.584	VV	25	456	0.17%	0.100%
133	12.603	12.584	12.660	VV	21	768	0.29%	0.168%
134	12.761	12.660	12.837	VV	51	3563	1.33%	0.779%
135	12.865	12.837	12.878	VV	37	760	0.28%	0.166%
136	12.898	12.878	12.935	VV	43	1143	0.43%	0.250%
137	12.981	12.935	13.018	VV	50	1363	0.51%	0.298%
138	13.091	13.018	13.110	VV	42	1671	0.63%	0.365%
139	13.185	13.110	13.263	VV	54	2955	1.11%	0.646%
140	13.285	13.263	13.304	VV	23	476	0.18%	0.104%
141	13.324	13.304	13.339	VV	24	439	0.16%	0.096%

					rteres			
142	13.357	13.339	13.373	VV	23	333	0.12%	0.073%
143	13.393	13.373	13.424	VV	27	483	0.18%	0.106%
144	13.476	13.424	13.516	VV	35	902	0.34%	0.197%
145	13.538	13.516	13.579	VV	27	698	0.26%	0.152%
146	13.599	13.579	13.628	VV	31	598	0.22%	0.131%
147	13.642	13.628	13.673	VV	30	514	0.19%	0.112%
148	13.727	13.673	13.775	VV	25	1090	0.41%	0.238%
149	13.869	13.775	13.883	VV	34	1777	0.67%	0.388%
150	13.924	13.883	13.948	VV	52	1641	0.61%	0.359%
151	14.121	13.948	14.283	VV	180	19377	7.26%	4.236%
152	14.370	14.283	14.396	VV	31	1455	0.54%	0.318%
153	14.421	14.396	14.438	VV	39	808	0.30%	0.177%
154	14.456	14.438	14.502	VV	43	1006	0.38%	0.220%
155	14.514	14.502	14.536	VV	15	336	0.13%	0.073%
156	14.585	14.536	14.606	VV	44	861	0.32%	0.188%
157	14.641	14.606	14.669	VV	31	760	0.28%	0.166%
158	14.685	14.669	14.735	PV	23	472	0.18%	0.103%
159	14.759	14.735	14.774	VV	24	346	0.13%	0.076%
160	14.785	14.774	14.804	VV	13	274	0.10%	0.060%
161	14.879	14.804	14.928	VV	28	1100	0.41%	0.241%
162	14.954	14.928	14.972	VV	22	431	0.16%	0.094%
163	14.992	14.972	15.009	VV	34	508	0.19%	0.111%
164	15.068	15.009	15.136	VV	83	3918	1.47%	0.857%
165	15.155	15.136	15.197	VV	30	669	0.25%	0.146%
166	15.211	15.197	15.252	VV	16	428	0.16%	0.094%
167	15.275	15.252	15.306	VV	21	442	0.17%	0.097%
168	15.325	15.306	15.358	VV	26	542	0.20%	0.119%
169	15.406	15.358	15.428	VV	41	1314	0.49%	0.287%
170	15.439	15.428	15.481	VV	50	1024	0.38%	0.224%
171	15.513	15.481	15.579	VV	36	1517	0.57%	0.332%
172	15.594	15.579	15.630	VV	26	568	0.21%	0.124%
173	15.708	15.630	15.723	VV	33	1338	0.50%	0.293%
174	15.851	15.723	15.874	VV	48	3588	1.34%	0.784%
175	15.908	15.874	15.934	VV	45	1446	0.54%	0.316%
176	15.949	15.934	16.056	VV	44	2031	0.76%	0.444%
177	16.079	16.056	16.099	VV	23	314	0.12%	0.069%
178	16.127	16.099	16.141	PV	19	201	0.08%	0.044%
179	16.202	16.141	16.298	VV	60	3726	1.40%	0.815%
180	16.352	16.298	16.372	VV	21	711	0.27%	0.155%
181	16.442	16.372	16.581	VV	38	2773	1.04%	0.606%
182	16.628	16.581	16.650	VV	29	760	0.28%	0.166%
183	16.692	16.650	16.708	VV	22	388	0.15%	0.085%
Sum of corrected areas:							457474	

FB062325.M Thu Jul 10 02:26:12 2025

Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-97	SDG No.:	Q2514
Lab Sample ID:	Q2514-05	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	85
Sample Wt/Vol:	6.5	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Final Vol:	5
GPC Factor :		Decanted:	
Prep Method :		Test:	Gasoline Range Organics
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB032051.D	1	07/09/25 19:00	FB070925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	13.0	J	7.00	41.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	16.2		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\FB070925\
Data File : FB032051.D
Signal(s) : FID2B.CH
Acq On : 9 Jul 2025 19:00
Operator : YP/AJ
Sample : Q2514-05
Misc : 6.50G/5.00 ML DI WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-97

Integration File: Calibration.e
Quant Time: Jul 10 01:38:35 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	8.800	249580	16.177 ng/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

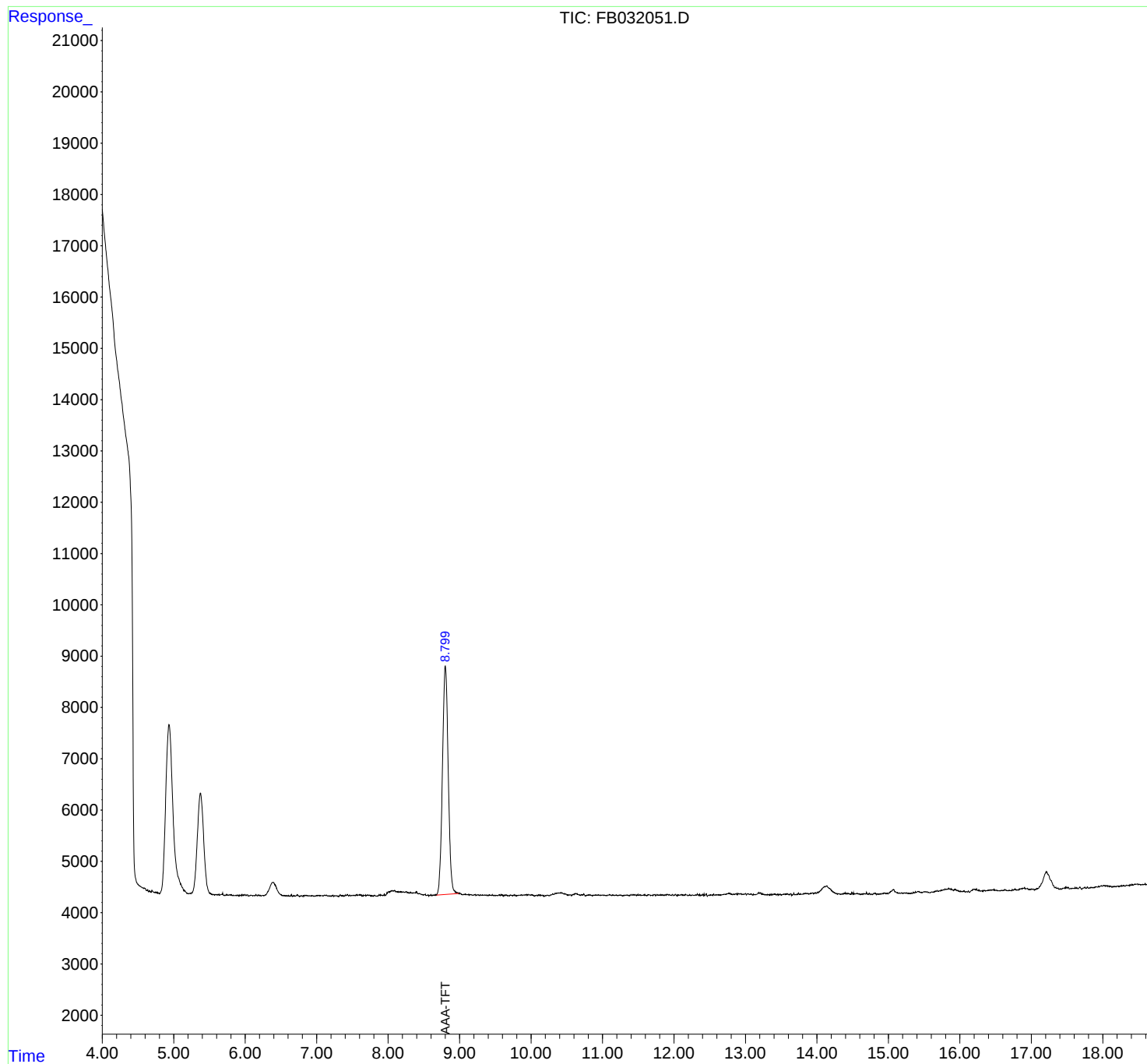
(m)=manual int.

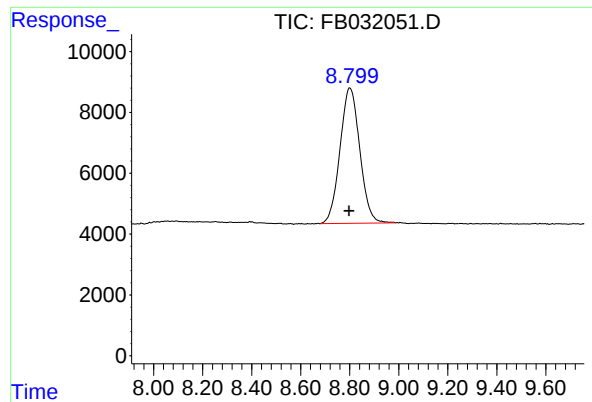
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB070925\
Data File : FB032051.D
Signal(s) : FID2B.CH
Acq On : 9 Jul 2025 19:00
Operator : YP/AJ
Sample : Q2514-05
Misc : 6.50G/5.00 ML DI WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-97

Integration File: Calibration.e
Quant Time: Jul 10 01:38:35 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.: 8.800 min
Delta R.T.: 0.003 min
Response: 249580
Conc: 16.18 ng/ml

Instrument :
FID_B
ClientSampleId :
TP-97

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB070925\
 Data File : FB032051.D
 Signal(s) : FID2B.CH
 Acq On : 9 Jul 2025 19:00
 Sample : Q2514-05
 Misc : 6.50G/5.00 ML DI WATER
 ALS Vial : 11 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	4.660	4.651	4.684	PV	23	208	0.08%	0.031%
2	4.696	4.684	4.731	PV	41	595	0.23%	0.089%
3	4.740	4.731	4.749	VV	21	140	0.05%	0.021%
4	4.760	4.749	4.782	VV	25	301	0.12%	0.045%
5	4.791	4.782	4.801	VV	20	127	0.05%	0.019%
6	5.561	5.552	5.572	VV	20	166	0.06%	0.025%
7	5.634	5.572	5.644	VV	22	537	0.21%	0.081%
8	5.685	5.644	5.701	VV	42	604	0.23%	0.091%
9	5.710	5.701	5.717	PV	9	53	0.02%	0.008%
10	5.742	5.717	5.768	VV	26	345	0.13%	0.052%
11	5.782	5.768	5.792	VV	19	208	0.08%	0.031%
12	5.798	5.792	5.850	VV	24	393	0.15%	0.059%
13	5.896	5.850	5.912	VV	21	304	0.12%	0.046%
14	5.917	5.912	5.948	VV	19	233	0.09%	0.035%
15	5.957	5.948	5.971	VV	29	213	0.08%	0.032%
16	5.976	5.971	5.983	VV	24	126	0.05%	0.019%
17	5.996	5.983	6.015	VV	32	360	0.14%	0.054%
18	6.030	6.015	6.047	VV	25	340	0.13%	0.051%
19	6.083	6.047	6.108	PV	19	418	0.16%	0.063%
20	6.118	6.108	6.129	VV	13	139	0.05%	0.021%
21	6.152	6.129	6.169	VV	32	397	0.15%	0.060%
22	6.185	6.169	6.226	VV	22	504	0.19%	0.076%
23	6.245	6.226	6.266	VV	17	297	0.11%	0.045%
24	6.389	6.266	6.518	VV	272	19795	7.62%	2.977%
25	6.527	6.518	6.602	VV	23	739	0.28%	0.111%
26	6.610	6.602	6.629	VV	16	158	0.06%	0.024%
27	6.650	6.629	6.660	VV	28	286	0.11%	0.043%
28	6.670	6.660	6.677	PV	10	68	0.03%	0.010%
29	6.686	6.677	6.701	VV	20	163	0.06%	0.025%
30	6.733	6.701	6.759	VV	36	598	0.23%	0.090%
31	6.787	6.759	6.804	VV	20	268	0.10%	0.040%
32	6.814	6.804	6.823	VV	21	158	0.06%	0.024%
33	6.836	6.823	6.845	VV	22	235	0.09%	0.035%
34	6.862	6.845	6.888	VV	26	481	0.18%	0.072%
35	6.897	6.888	6.910	VV	17	190	0.07%	0.029%
36	6.927	6.910	6.957	VV	19	408	0.16%	0.061%

					rteres			
37	6.962	6.957	6.968	VV	14	58	0.02%	0.009%
38	7.000	6.968	7.008	VV	24	334	0.13%	0.050%
39	7.017	7.008	7.025	VV	28	207	0.08%	0.031%
40	7.035	7.025	7.056	VV	26	384	0.15%	0.058%
41	7.063	7.056	7.093	VV	21	385	0.15%	0.058%
42	7.110	7.093	7.155	VV	29	823	0.32%	0.124%
43	7.166	7.155	7.181	VV	20	217	0.08%	0.033%
44	7.188	7.181	7.211	VV	19	203	0.08%	0.031%
45	7.229	7.211	7.240	VV	31	309	0.12%	0.046%
46	7.252	7.240	7.259	PV	20	157	0.06%	0.024%
47	7.266	7.259	7.312	VV	20	413	0.16%	0.062%
48	7.332	7.312	7.351	VV	40	512	0.20%	0.077%
49	7.364	7.351	7.392	VV	25	392	0.15%	0.059%
50	7.402	7.392	7.409	VV	34	237	0.09%	0.036%
51	7.431	7.409	7.448	VV	46	683	0.26%	0.103%
52	7.462	7.448	7.503	VV	32	720	0.28%	0.108%
53	7.561	7.503	7.570	VV	40	1080	0.42%	0.162%
54	7.608	7.570	7.618	VV	42	945	0.36%	0.142%
55	7.626	7.618	7.651	VV	42	432	0.17%	0.065%
56	7.683	7.651	7.691	VV	30	582	0.22%	0.088%
57	7.716	7.691	7.728	VV	37	609	0.23%	0.092%
58	7.740	7.728	7.760	VV	34	484	0.19%	0.073%
59	7.772	7.760	7.791	VV	27	326	0.13%	0.049%
60	7.813	7.791	7.832	VV	32	486	0.19%	0.073%
61	7.846	7.832	7.854	VV	17	185	0.07%	0.028%
62	7.875	7.854	7.925	VV	41	1156	0.44%	0.174%
63	7.951	7.925	7.963	VV	56	744	0.29%	0.112%
64	8.004	7.963	8.025	VV	100	2624	1.01%	0.395%
65	8.058	8.025	8.067	VV	122	2794	1.08%	0.420%
66	8.094	8.067	8.145	VV	126	4964	1.91%	0.747%
67	8.189	8.145	8.208	VV	101	3612	1.39%	0.543%
68	8.216	8.208	8.232	VV	97	1325	0.51%	0.199%
69	8.253	8.232	8.298	VV	103	3430	1.32%	0.516%
70	8.316	8.298	8.339	VV	87	1893	0.73%	0.285%
71	8.393	8.339	8.424	VV	106	4023	1.55%	0.605%
72	8.434	8.424	8.500	VV	67	2307	0.89%	0.347%
73	8.519	8.500	8.532	VV	50	731	0.28%	0.110%
74	8.558	8.532	8.572	VV	39	707	0.27%	0.106%
75	8.605	8.572	8.619	VV	38	810	0.31%	0.122%
76	8.629	8.619	8.657	VV	36	691	0.27%	0.104%
77	8.801	8.657	9.002	VV	4500	259896	100.00%	39.083%
78	9.081	9.041	9.135	VV	61	2590	1.00%	0.390%
79	9.152	9.135	9.194	VV	47	1378	0.53%	0.207%
80	9.216	9.194	9.235	VV	43	987	0.38%	0.148%
81	9.256	9.235	9.308	VV	41	1550	0.60%	0.233%
82	9.322	9.308	9.336	VV	42	597	0.23%	0.090%
83	9.349	9.336	9.408	VV	37	1431	0.55%	0.215%
84	9.417	9.408	9.450	VV	46	846	0.33%	0.127%
85	9.457	9.450	9.533	VV	43	1463	0.56%	0.220%
86	9.555	9.533	9.587	VV	41	1110	0.43%	0.167%
87	9.595	9.587	9.615	VV	36	526	0.20%	0.079%
88	9.628	9.615	9.692	VV	40	1375	0.53%	0.207%
89	9.715	9.692	9.743	VV	37	899	0.35%	0.135%

					rteres			
90	9.763	9.743	9.795	VV	43	962	0.37%	0.145%
91	9.863	9.795	9.891	VV	48	1892	0.73%	0.285%
92	9.941	9.891	10.049	VV	49	3689	1.42%	0.555%
93	10.103	10.049	10.190	VV	44	2478	0.95%	0.373%
94	10.235	10.190	10.257	VV	34	1104	0.42%	0.166%
95	10.304	10.257	10.324	VV	63	1820	0.70%	0.274%
96	10.419	10.324	10.530	VV	88	8202	3.16%	1.233%
97	10.549	10.530	10.567	VV	43	872	0.34%	0.131%
98	10.623	10.567	10.692	VV	73	3899	1.50%	0.586%
99	10.740	10.692	10.761	VV	59	1745	0.67%	0.262%
100	10.826	10.761	10.882	VV	42	2530	0.97%	0.381%
101	10.910	10.882	10.981	VV	47	2236	0.86%	0.336%
102	11.007	10.981	11.047	VV	42	1455	0.56%	0.219%
103	11.099	11.047	11.131	VV	49	1927	0.74%	0.290%
104	11.161	11.131	11.173	VV	41	933	0.36%	0.140%
105	11.191	11.173	11.222	VV	42	1039	0.40%	0.156%
106	11.254	11.222	11.284	VV	44	1290	0.50%	0.194%
107	11.343	11.284	11.373	VV	41	1813	0.70%	0.273%
108	11.400	11.373	11.415	VV	56	998	0.38%	0.150%
109	11.430	11.415	11.487	VV	53	1785	0.69%	0.268%
110	11.498	11.487	11.568	VV	53	1930	0.74%	0.290%
111	11.588	11.568	11.623	VV	55	1333	0.51%	0.200%
112	11.650	11.623	11.704	VV	52	1899	0.73%	0.286%
113	11.732	11.704	11.752	VV	54	1205	0.46%	0.181%
114	11.819	11.752	11.961	VV	55	5426	2.09%	0.816%
115	11.979	11.961	12.004	VV	56	1098	0.42%	0.165%
116	12.021	12.004	12.146	VV	57	3588	1.38%	0.540%
117	12.165	12.146	12.202	VV	55	1447	0.56%	0.218%
118	12.262	12.202	12.282	VV	46	1882	0.72%	0.283%
119	12.329	12.282	12.371	VV	59	2347	0.90%	0.353%
120	12.450	12.371	12.469	VV	68	2503	0.96%	0.376%
121	12.526	12.469	12.539	VV	44	1667	0.64%	0.251%
122	12.556	12.539	12.642	VV	61	2855	1.10%	0.429%
123	12.708	12.642	12.723	VV	59	2529	0.97%	0.380%
124	12.780	12.723	12.821	VV	78	3864	1.49%	0.581%
125	12.903	12.821	12.954	VV	75	5127	1.97%	0.771%
126	13.001	12.954	13.058	VV	73	3855	1.48%	0.580%
127	13.079	13.058	13.099	VV	65	1460	0.56%	0.220%
128	13.111	13.099	13.125	VV	60	804	0.31%	0.121%
129	13.133	13.125	13.142	VV	57	533	0.20%	0.080%
130	13.206	13.142	13.303	VV	92	6279	2.42%	0.944%
131	13.320	13.303	13.381	VV	56	2487	0.96%	0.374%
132	13.414	13.381	13.432	VV	68	1781	0.69%	0.268%
133	13.486	13.432	13.509	VV	66	2482	0.95%	0.373%
134	13.589	13.509	13.608	VV	69	3610	1.39%	0.543%
135	13.633	13.608	13.658	VV	71	1743	0.67%	0.262%
136	13.677	13.658	13.705	VV	81	1631	0.63%	0.245%
137	13.742	13.705	13.788	VV	84	3145	1.21%	0.473%
138	13.843	13.788	13.890	VV	79	4425	1.70%	0.665%
139	14.140	13.890	14.294	VV	226	30837	11.87%	4.637%
140	14.305	14.294	14.339	VV	70	1796	0.69%	0.270%
141	14.392	14.339	14.523	VV	89	8156	3.14%	1.226%

					rt	eres			
142	14.563	14.523	14.617	VV	80	3954	1.52%	0.595%	
143	14.635	14.617	14.644	VV	69	1093	0.42%	0.164%	
144	14.661	14.644	14.678	VV	74	1452	0.56%	0.218%	
145	14.694	14.678	14.723	VV	97	1917	0.74%	0.288%	
146	14.733	14.723	14.778	VV	79	2196	0.84%	0.330%	
147	14.817	14.778	14.835	VV	87	2562	0.99%	0.385%	
148	14.846	14.835	14.878	VV	70	1727	0.66%	0.260%	
149	14.948	14.878	14.995	VV	90	5416	2.08%	0.814%	
150	15.074	14.995	15.167	VV	158	11321	4.36%	1.702%	
151	15.255	15.167	15.313	VV	95	7434	2.86%	1.118%	
152	15.415	15.313	15.472	VV	120	9574	3.68%	1.440%	
153	15.518	15.472	15.584	VV	117	7231	2.78%	1.087%	
154	15.683	15.584	15.699	VV	138	7929	3.05%	1.192%	
155	15.846	15.699	15.909	VV	174	19369	7.45%	2.913%	
156	15.930	15.909	16.048	VV	164	11303	4.35%	1.700%	
157	16.059	16.048	16.077	VV	129	2180	0.84%	0.328%	
158	16.093	16.077	16.109	VV	120	2162	0.83%	0.325%	
159	16.120	16.109	16.137	VV	130	1934	0.74%	0.291%	
160	16.202	16.137	16.256	VV	166	10487	4.04%	1.577%	
161	16.270	16.256	16.293	VV	156	3067	1.18%	0.461%	
162	16.480	16.293	16.571	VV	155	23621	9.09%	3.552%	
163	16.584	16.571	16.595	VV	145	2037	0.78%	0.306%	
164	16.629	16.595	16.670	VV	161	6553	2.52%	0.985%	
165	16.768	16.670	16.805	VBA	160	11899	4.58%	1.789%	

Sum of corrected areas: 664983

FB062325.M Thu Jul 10 02:26:50 2025

Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-103	SDG No.:	Q2514
Lab Sample ID:	Q2514-06	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	86.5
Sample Wt/Vol:	5.3	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
FB032052.D	1	07/09/25 19:27	FB070925

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	16.2		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\FB070925\
 Data File : FB032052.D
 Signal(s) : FID2B.CH
 Acq On : 9 Jul 2025 19:27
 Operator : YP/AJ
 Sample : Q2514-06
 Misc : 5.30G/5.00 ML DI WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 FID_B
 ClientSampleId :
 TP-103

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/10/2025
 Supervised By :mohammad ahmed 07/11/2025

Integration File: Calibration.e
 Quant Time: Jul 10 01:38:42 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	8.800	249911	16.199 ng/mlm
Target Compounds			

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB070925\
Data File : FB032052.D
Signal(s) : FID2B.CH
Acq On : 9 Jul 2025 19:27
Operator : YP/AJ
Sample : Q2514-06
Misc : 5.30G/5.00 ML DI WATER
ALS Vial : 12 Sample Multiplier: 1

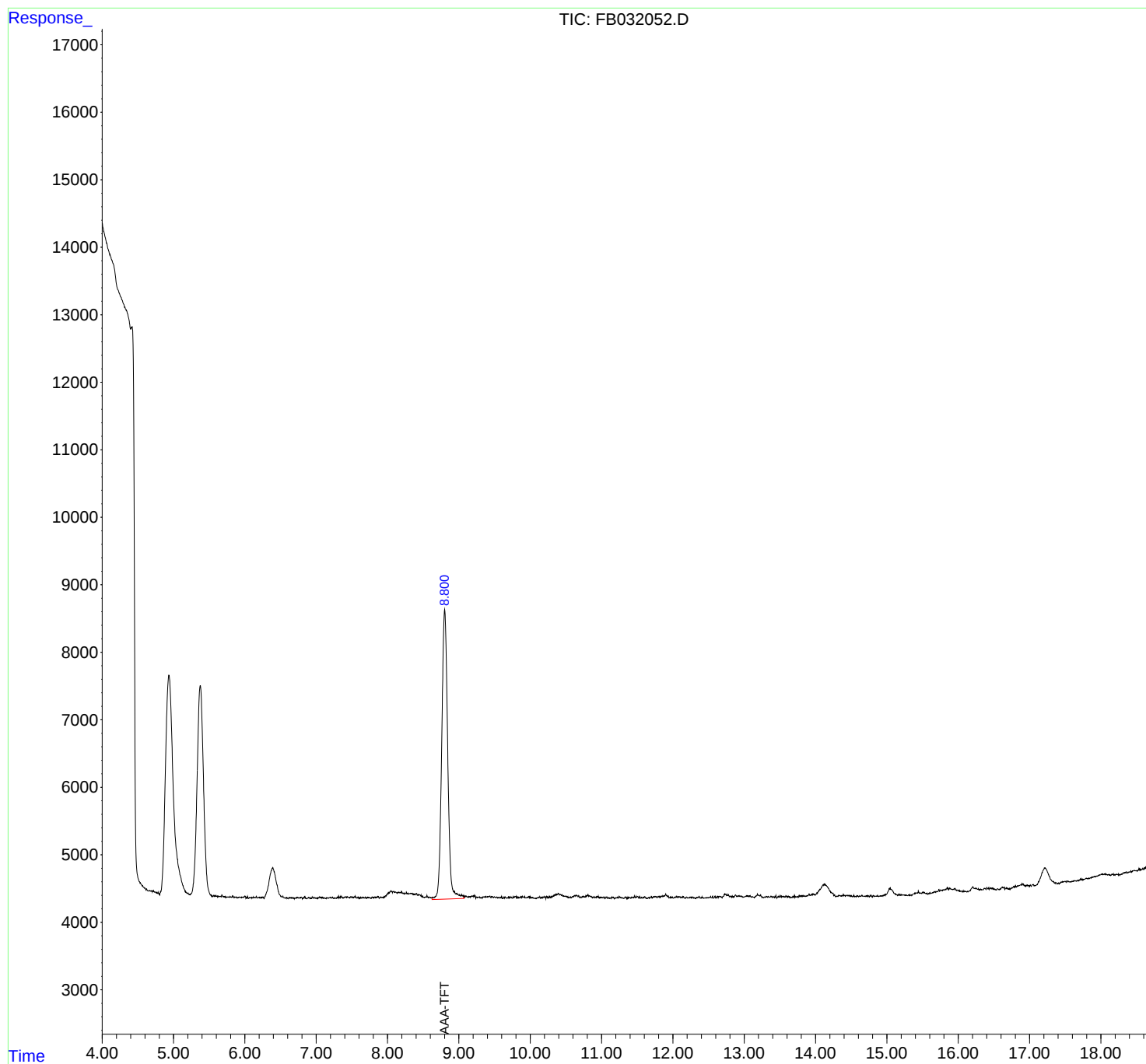
Instrument :
FID_B
ClientSampleId :
TP-103

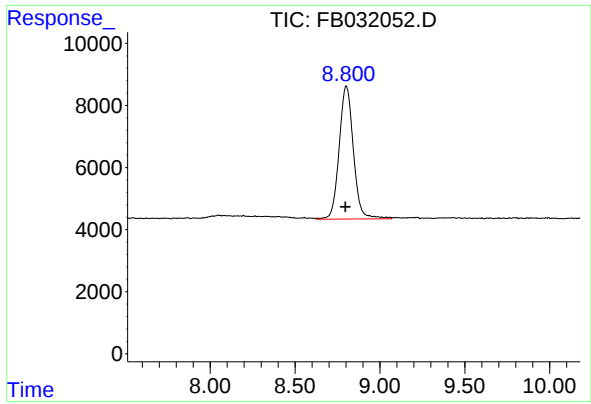
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/10/2025
Supervised By :mohammad ahmed 07/11/2025

Integration File: Calibration.e
Quant Time: Jul 10 01:38:42 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.: 8.800 min
Delta R.T.: 0.002 min
Response: 249911
Conc: 16.20 ng/ml

Instrument :
FID_B
ClientSampleId :
TP-103

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/10/2025
Supervised By :mohammad ahmed 07/11/2025

Instrument :

FID_B

ClientSampleId :

TP-103

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/10/2025

Supervised By :mohammad ahmed 07/11/2025

rteres

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB07092
Data File : FB032052.D
Signal(s) : FID2B.CH
Acq On : 9 Jul 2025 19:27
Sample : Q2514-06
Misc : 5.30G/5.00 ML DI WATER
ALS Vial : 12 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	4.657	4.686	PV	19	163	0.07%	0.035%
2	4.696	4.686	4.705	VV	25	193	0.08%	0.042%
3	4.717	4.705	4.776	VV	28	823	0.34%	0.178%
4	4.785	4.776	4.806	VV	36	317	0.13%	0.069%
5	5.562	5.550	5.580	VV	28	332	0.14%	0.072%
6	5.594	5.580	5.623	VV	25	418	0.17%	0.091%
7	5.629	5.623	5.644	VV	20	178	0.07%	0.039%
8	5.680	5.644	5.742	VV	40	882	0.36%	0.191%
9	5.755	5.742	5.764	PV	13	123	0.05%	0.027%
10	5.772	5.764	5.784	VV	13	123	0.05%	0.027%
11	5.793	5.784	5.812	VV	17	203	0.08%	0.044%
12	5.830	5.812	5.869	VV	31	463	0.19%	0.100%
13	5.879	5.869	5.897	VV	18	178	0.07%	0.039%
14	5.930	5.897	5.959	VV	16	422	0.17%	0.091%
15	5.968	5.959	5.977	VV	18	151	0.06%	0.033%
16	6.002	5.977	6.029	VV	36	556	0.23%	0.121%
17	6.038	6.029	6.054	PV	26	135	0.06%	0.029%
18	6.118	6.054	6.131	VV	23	491	0.20%	0.106%
19	6.142	6.131	6.151	VV	18	167	0.07%	0.036%
20	6.162	6.151	6.175	VV	33	253	0.10%	0.055%
21	6.200	6.175	6.219	VV	19	352	0.14%	0.076%
22	6.227	6.219	6.237	VV	18	130	0.05%	0.028%
23	6.247	6.237	6.270	VV	22	272	0.11%	0.059%
24	6.393	6.270	6.521	PV	464	31959	13.05%	6.927%
25	6.533	6.521	6.566	VV	34	556	0.23%	0.121%
26	6.577	6.566	6.611	VV	19	294	0.12%	0.064%
27	6.625	6.611	6.634	VV	20	198	0.08%	0.043%
28	6.642	6.634	6.650	VV	20	143	0.06%	0.031%
29	6.658	6.650	6.698	VV	21	342	0.14%	0.074%
30	6.737	6.698	6.759	VV	22	530	0.22%	0.115%
31	6.789	6.759	6.809	VV	25	501	0.20%	0.109%
32	6.840	6.809	6.867	PV	39	557	0.23%	0.121%
33	6.894	6.867	6.911	VV	21	329	0.13%	0.071%
34	6.916	6.911	6.936	VV	20	146	0.06%	0.032%
35	6.946	6.936	6.974	VV	31	385	0.16%	0.083%
36	6.984	6.974	7.018	VV	20	327	0.13%	0.071%

37	7.046	7.018	7.081	VV	28	671	0.27%	0.145%
38	7.088	7.081	7.140	VV	25	438		
39	7.148	7.140	7.158	VV	20	138		
40	7.166	7.158	7.179	VV	17	157		
41	7.198	7.179	7.219	VV	22	425		
42	7.229	7.219	7.245	VV	24	234		
43	7.254	7.245	7.260	VV	14	99	0.04%	0.022%
44	7.267	7.260	7.284	VV	15	153	0.06%	0.033%
45	7.315	7.284	7.337	VV	43	603	0.25%	0.131%
46	7.345	7.337	7.385	VV	37	668	0.27%	0.145%
47	7.405	7.385	7.429	VV	31	638	0.26%	0.138%
48	7.443	7.429	7.475	VV	31	626	0.26%	0.136%
49	7.489	7.475	7.504	VV	35	463	0.19%	0.100%
50	7.510	7.504	7.526	VV	31	298	0.12%	0.065%
51	7.551	7.526	7.567	VV	39	598	0.24%	0.130%
52	7.594	7.567	7.604	VV	24	386	0.16%	0.084%
53	7.629	7.604	7.639	VV	25	334	0.14%	0.072%
54	7.651	7.639	7.678	VV	24	390	0.16%	0.085%
55	7.687	7.678	7.702	VV	23	228	0.09%	0.049%
56	7.717	7.702	7.771	VV	21	655	0.27%	0.142%
57	7.785	7.771	7.807	VV	29	407	0.17%	0.088%
58	7.818	7.807	7.840	VV	28	410	0.17%	0.089%
59	7.870	7.840	7.885	VV	38	676	0.28%	0.147%
60	7.901	7.885	7.946	VV	29	814	0.33%	0.176%
61	7.958	7.946	7.966	VV	40	375	0.15%	0.081%
62	8.048	7.966	8.070	VV	122	5180	2.11%	1.123%
63	8.086	8.070	8.135	VV	112	3865	1.58%	0.838%
64	8.160	8.135	8.188	VV	101	2914	1.19%	0.632%
65	8.197	8.188	8.220	VV	114	1797	0.73%	0.389%
66	8.227	8.220	8.246	VV	87	1218	0.50%	0.264%
67	8.266	8.246	8.298	VV	100	2495	1.02%	0.541%
68	8.324	8.298	8.363	VV	82	2970	1.21%	0.644%
69	8.372	8.363	8.381	VV	75	702	0.29%	0.152%
70	8.408	8.381	8.434	VV	77	2074	0.85%	0.450%
71	8.446	8.434	8.520	VV	63	2144	0.88%	0.465%
72	8.554	8.520	8.571	VV	43	845	0.34%	0.183%
73	8.590	8.571	8.625	VV	26	636	0.26%	0.138%
74	8.634	8.625	8.645	VV	25	213	0.09%	0.046%
75	8.801	8.645	8.955	VV	4283	244934	100.00%	53.091%
76	8.969	8.955	8.980	VV	80	1081	0.44%	0.234%
77	8.987	8.980	9.004	VV	70	895	0.37%	0.194%
78	9.012	9.004	9.025	VV	60	619	0.25%	0.134%
79	9.038	9.025	9.047	VV	62	628	0.26%	0.136%
80	9.055	9.047	9.074	VV	54	680	0.28%	0.147%
81	9.082	9.074	9.088	VV	44	310	0.13%	0.067%
82	9.096	9.088	9.130	VV	42	825	0.34%	0.179%
83	9.138	9.130	9.146	VV	38	305	0.12%	0.066%
84	9.154	9.146	9.180	VV	35	651	0.27%	0.141%
85	9.188	9.180	9.196	VV	43	375	0.15%	0.081%
86	9.203	9.196	9.209	VV	45	305	0.12%	0.066%
87	9.218	9.209	9.239	VV	53	647	0.26%	0.140%
88	9.249	9.239	9.260	VV	28	275	0.11%	0.060%
89	9.285	9.260	9.311	VV	25	627	0.26%	0.136%

Instrument :

FID_B

ClientSampleId :

TP-103

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/10/2025

Supervised By :mohammad ahmed 07/11/2025

90	9.360	9.311	9.369	VV	30	804	0.33%	0.174%
91	9.377	9.369	9.416	VV	37	831		
92	9.436	9.416	9.453	VV	41	683		
93	9.464	9.453	9.486	VV	33	544		
94	9.500	9.486	9.517	VV	30	407		
95	9.532	9.517	9.550	VV	30	397		
96	9.563	9.550	9.573	VV	24	242	0.10%	0.052%
97	9.602	9.573	9.612	VV	32	424	0.17%	0.092%
98	9.632	9.612	9.641	VV	31	264	0.11%	0.057%
99	9.649	9.641	9.678	VV	31	368	0.15%	0.080%
100	9.703	9.678	9.711	VV	35	383	0.16%	0.083%
101	9.731	9.711	9.753	VV	30	433	0.18%	0.094%
102	9.791	9.753	9.817	VV	36	954	0.39%	0.207%
103	9.832	9.817	9.852	VV	28	393	0.16%	0.085%
104	9.869	9.852	9.885	VV	34	443	0.18%	0.096%
105	9.895	9.885	9.912	VV	38	412	0.17%	0.089%
106	9.918	9.912	9.932	VV	28	281	0.11%	0.061%
107	9.961	9.932	9.970	VV	24	382	0.16%	0.083%
108	9.996	9.970	10.028	VV	34	766	0.31%	0.166%
109	10.037	10.028	10.063	VV	23	250	0.10%	0.054%
110	10.070	10.063	10.084	VV	10	74	0.03%	0.016%
111	10.134	10.084	10.143	VV	31	550	0.22%	0.119%
112	10.154	10.143	10.171	VV	24	239	0.10%	0.052%
113	10.194	10.171	10.202	VV	30	407	0.17%	0.088%
114	10.215	10.202	10.223	VV	31	279	0.11%	0.061%
115	10.233	10.223	10.248	VV	39	356	0.15%	0.077%
116	10.395	10.248	10.412	VV	80	4318	1.76%	0.936%
117	10.424	10.412	10.463	VV	64	1632	0.67%	0.354%
118	10.471	10.463	10.546	VV	46	1546	0.63%	0.335%
119	10.565	10.546	10.579	VV	31	383	0.16%	0.083%
120	10.594	10.579	10.605	VV	34	413	0.17%	0.090%
121	10.629	10.605	10.639	VV	53	864	0.35%	0.187%
122	10.650	10.639	10.673	VV	56	910	0.37%	0.197%
123	10.682	10.673	10.694	VV	46	397	0.16%	0.086%
124	10.705	10.694	10.724	VV	28	438	0.18%	0.095%
125	10.811	10.724	10.872	VV	60	3083	1.26%	0.668%
126	10.897	10.872	10.909	VV	33	467	0.19%	0.101%
127	10.922	10.909	10.930	VV	22	257	0.11%	0.056%
128	10.940	10.930	10.950	VV	34	328	0.13%	0.071%
129	10.953	10.950	10.972	VV	30	249	0.10%	0.054%
130	10.986	10.972	11.015	VV	24	473	0.19%	0.103%
131	11.026	11.015	11.041	VV	23	244	0.10%	0.053%
132	11.050	11.041	11.060	VV	27	187	0.08%	0.040%
133	11.076	11.060	11.090	VV	30	297	0.12%	0.064%
134	11.105	11.090	11.118	VV	16	180	0.07%	0.039%
135	11.147	11.118	11.184	VV	27	531	0.22%	0.115%
136	11.223	11.184	11.232	VV	19	352	0.14%	0.076%
137	11.247	11.232	11.282	VV	25	571	0.23%	0.124%
138	11.289	11.282	11.315	VV	17	204	0.08%	0.044%
139	11.331	11.315	11.362	VV	26	371	0.15%	0.080%
140	11.370	11.362	11.379	PV	23	128	0.05%	0.028%
141	11.391	11.379	11.412	VV	20	280	0.11%	0.061%

Instrument :

FID_B

ClientSampleId :

TP-103

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/10/2025

Supervised By :mohammad ahmed 07/11/2025

					rters			
142	11.424	11.412	11.454	VV	27	447	0.18%	0.097%
143	11.463	11.454	11.474	VV	39	323		
144	11.485	11.474	11.494	VV	37	303		
145	11.508	11.494	11.522	VV	36	405		
146	11.535	11.522	11.546	VV	32	222		
147	11.561	11.546	11.576	VV	24	235		
148	11.584	11.576	11.592	VV	21	127	0.05%	0.028%
149	11.610	11.592	11.639	VV	29	421	0.17%	0.091%
150	11.664	11.639	11.683	PV	19	261	0.11%	0.057%
151	11.699	11.683	11.708	VV	36	338	0.14%	0.073%
152	11.733	11.708	11.739	VV	31	427	0.17%	0.093%
153	11.762	11.739	11.780	VV	34	650	0.27%	0.141%
154	11.816	11.780	11.824	VV	38	720	0.29%	0.156%
155	11.851	11.824	11.860	VV	41	664	0.27%	0.144%
156	11.900	11.860	11.923	VV	66	1621	0.66%	0.351%
157	11.931	11.923	11.960	VV	39	552	0.23%	0.120%
158	11.970	11.960	11.978	VV	29	185	0.08%	0.040%
159	11.994	11.978	12.008	VV	22	256	0.10%	0.056%
160	12.025	12.008	12.033	VV	20	199	0.08%	0.043%
161	12.056	12.033	12.078	VV	35	644	0.26%	0.140%
162	12.087	12.078	12.125	VV	30	637	0.26%	0.138%
163	12.136	12.125	12.177	VV	27	512	0.21%	0.111%
164	12.196	12.177	12.232	VV	23	434	0.18%	0.094%
165	12.252	12.232	12.268	VV	24	337	0.14%	0.073%
166	12.280	12.268	12.319	VV	24	365	0.15%	0.079%
167	12.336	12.319	12.352	PV	15	232	0.09%	0.050%
168	12.368	12.352	12.400	VV	32	439	0.18%	0.095%
169	12.408	12.400	12.434	VV	25	249	0.10%	0.054%
170	12.473	12.434	12.481	VV	15	249	0.10%	0.054%
171	12.493	12.481	12.500	VV	15	128	0.05%	0.028%
172	12.531	12.500	12.547	VV	28	436	0.18%	0.094%
173	12.557	12.547	12.568	VV	35	217	0.09%	0.047%
174	12.593	12.568	12.611	VV	29	418	0.17%	0.091%
175	12.625	12.611	12.637	VV	34	370	0.15%	0.080%
176	12.651	12.637	12.661	VV	33	375	0.15%	0.081%
177	12.670	12.661	12.690	VV	27	387	0.16%	0.084%
178	12.737	12.690	12.771	VV	66	2204	0.90%	0.478%
179	12.781	12.771	12.797	VV	51	613	0.25%	0.133%
180	12.807	12.797	12.848	VV	35	770	0.31%	0.167%
181	12.879	12.848	12.896	VV	52	996	0.41%	0.216%
182	12.905	12.896	12.915	VV	36	384	0.16%	0.083%
183	12.927	12.915	12.955	VV	38	798	0.33%	0.173%
184	12.963	12.955	12.987	VV	35	503	0.21%	0.109%
185	13.042	12.987	13.102	VV	36	1966	0.80%	0.426%
186	13.112	13.102	13.143	VV	27	461	0.19%	0.100%
187	13.186	13.143	13.221	VV	64	1730	0.71%	0.375%
188	13.232	13.221	13.250	VV	49	580	0.24%	0.126%
189	13.257	13.250	13.274	VV	20	183	0.07%	0.040%
190	13.289	13.274	13.299	VV	21	235	0.10%	0.051%
191	13.318	13.299	13.331	VV	27	415	0.17%	0.090%
192	13.340	13.331	13.360	VV	25	333	0.14%	0.072%
193	13.375	13.360	13.396	VV	30	462	0.19%	0.100%
194	13.409	13.396	13.424	VV	23	274	0.11%	0.059%

Instrument :

FID_B

ClientSampleId :

TP-103

Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 07/11/2025

195	13.433	13.424	13.439	VV	29	163	0.07%	0.035%
196	13.445	13.439	13.459	VV	36	224		
197	13.489	13.459	13.498	PV	33	411		
198	13.514	13.498	13.522	VV	39	333		
199	13.529	13.522	13.577	VV	31	702		
200	13.586	13.577	13.610	VV	33	452		
201	13.619	13.610	13.631	VV	29	257	0.10%	0.056%
202	13.638	13.631	13.652	VV	22	166	0.07%	0.036%
203	13.706	13.652	13.759	VV	38	997	0.41%	0.216%
204	13.772	13.759	13.858	VV	40	1533	0.63%	0.332%
205	13.912	13.858	13.931	VV	55	1503	0.61%	0.326%
206	14.124	13.931	14.290	VV	204	21162	8.64%	4.587%
207	14.327	14.290	14.371	VV	34	1077	0.44%	0.233%
208	14.390	14.371	14.422	VV	40	840	0.34%	0.182%
209	14.456	14.422	14.518	VV	31	1285	0.52%	0.279%
210	14.535	14.518	14.568	VV	19	423	0.17%	0.092%
211	14.586	14.568	14.629	VV	21	493	0.20%	0.107%
212	14.648	14.629	14.702	VV	29	680	0.28%	0.147%
213	14.738	14.702	14.755	VV	23	468	0.19%	0.101%
214	14.773	14.755	14.799	PV	25	322	0.13%	0.070%
215	14.812	14.799	14.861	VV	23	400	0.16%	0.087%
216	15.046	14.861	15.200	VV	126	7644	3.12%	1.657%
217	15.213	15.200	15.291	VV	16	556	0.23%	0.120%
218	15.443	15.291	15.490	PV	61	2496	1.02%	0.541%
219	15.511	15.490	15.577	VV	43	1228	0.50%	0.266%
220	15.730	15.577	15.775	VV	64	3670	1.50%	0.796%
221	15.851	15.775	15.941	VV	69	5915	2.41%	1.282%
222	15.954	15.941	16.139	VV	65	2846	1.16%	0.617%
223	16.206	16.139	16.298	VV	74	3698	1.51%	0.802%
224	16.316	16.298	16.346	VV	34	702	0.29%	0.152%
225	16.371	16.346	16.388	VV	42	797	0.33%	0.173%
226	16.404	16.388	16.437	VV	51	1036	0.42%	0.225%
227	16.453	16.437	16.478	VV	43	835	0.34%	0.181%
228	16.481	16.478	16.539	VV	37	698	0.28%	0.151%
229	16.553	16.539	16.572	VV	24	313	0.13%	0.068%
230	16.618	16.572	16.657	VV	43	1311	0.54%	0.284%
231	16.679	16.657	16.731	VV	30	670	0.27%	0.145%
Sum of corrected areas:							461345	

Instrument :

FID_B

ClientSampleId :

TP-103

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/10/2025

Supervised By :mohammad ahmed 07/11/2025

FB062325.M Thu Jul 10 02:27:30 2025

Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-36	SDG No.:	Q2514
Lab Sample ID:	Q2514-07	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	90.3
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
FB032048.D	1	07/09/25 17:37	FB070925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	11.0	U	11.0	62.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	17.7		50 - 150	89%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB070925\
Data File : FB032048.D
Signal(s) : FID2B.CH
Acq On : 9 Jul 2025 17:37
Operator : YP/AJ
Sample : Q2514-07
Misc : 4.00G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-36

Integration File: Calibration.e
Quant Time: Jul 10 01:38:15 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	8.803	273497	17.727 ng/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

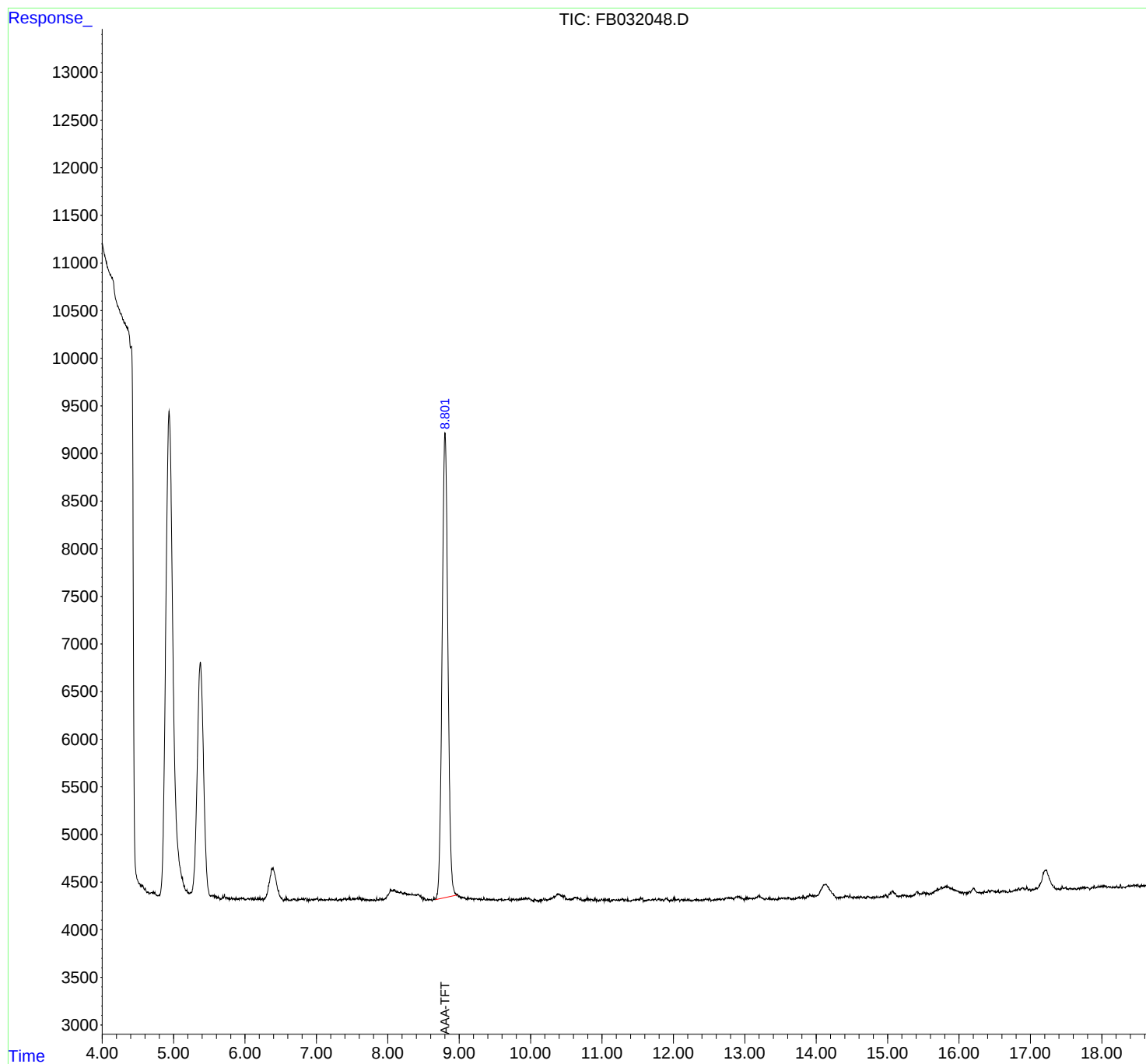
(m)=manual int.

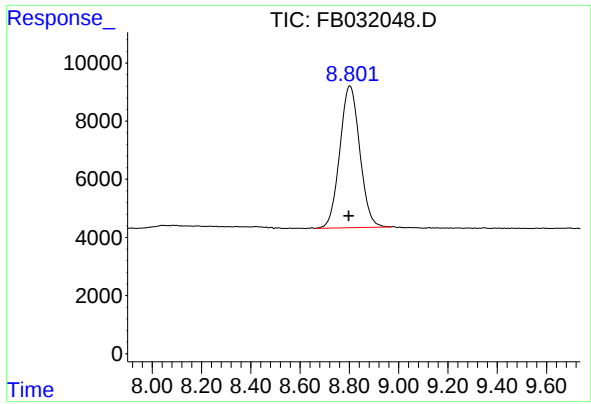
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB070925\
Data File : FB032048.D
Signal(s) : FID2B.CH
Acq On : 9 Jul 2025 17:37
Operator : YP/AJ
Sample : Q2514-07
Misc : 4.00G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-36

Integration File: Calibration.e
Quant Time: Jul 10 01:38:15 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.: 8.803 min
Delta R.T.: 0.005 min
Response: 273497
Conc: 17.73 ng/ml

Instrument :
FID_B
ClientSampleId :
TP-36

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB070925\
 Data File : FB032048.D
 Signal(s) : FID2B.CH
 Acq On : 9 Jul 2025 17:37
 Sample : Q2514-07
 Misc : 4.00G/5.00 ML DI WATER
 ALS Vial : 4 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	4.692	4.658	4.708	PV	21	440	0.16%	0.092%
2	4.718	4.708	4.728	VV	35	269	0.10%	0.056%
3	4.737	4.728	4.786	VV	31	312	0.11%	0.065%
4	5.237	5.226	5.247	VV	54	603	0.21%	0.126%
5	5.549	5.533	5.610	VV	38	1297	0.46%	0.272%
6	5.625	5.610	5.666	VV	29	383	0.14%	0.080%
7	5.691	5.666	5.700	PV	36	299	0.11%	0.063%
8	5.714	5.700	5.795	VV	53	988	0.35%	0.207%
9	5.812	5.795	5.824	VV	20	174	0.06%	0.037%
10	5.840	5.824	5.865	VV	11	185	0.07%	0.039%
11	5.874	5.865	5.898	VV	19	204	0.07%	0.043%
12	5.910	5.898	5.921	VV	12	116	0.04%	0.024%
13	5.930	5.921	5.940	PV	19	135	0.05%	0.028%
14	5.982	5.940	6.017	VV	26	527	0.19%	0.110%
15	6.042	6.017	6.068	VV	19	375	0.13%	0.079%
16	6.085	6.068	6.101	VV	27	306	0.11%	0.064%
17	6.112	6.101	6.130	VV	29	238	0.08%	0.050%
18	6.143	6.130	6.162	PV	29	249	0.09%	0.052%
19	6.177	6.162	6.195	VV	26	310	0.11%	0.065%
20	6.211	6.195	6.222	VV	30	257	0.09%	0.054%
21	6.246	6.222	6.256	VV	28	297	0.11%	0.062%
22	6.394	6.256	6.561	PV	346	24426	8.67%	5.117%
23	6.575	6.561	6.624	VV	37	606	0.22%	0.127%
24	6.633	6.624	6.644	VV	9	71	0.03%	0.015%
25	6.650	6.644	6.664	VV	12	99	0.04%	0.021%
26	6.672	6.664	6.722	VV	21	482	0.17%	0.101%
27	6.741	6.722	6.765	PV	22	326	0.12%	0.068%
28	6.776	6.765	6.785	VV	19	187	0.07%	0.039%
29	6.795	6.785	6.809	VV	28	276	0.10%	0.058%
30	6.820	6.809	6.831	VV	24	260	0.09%	0.054%
31	6.847	6.831	6.870	VV	28	435	0.15%	0.091%
32	6.881	6.870	6.888	PV	23	118	0.04%	0.025%
33	6.900	6.888	6.914	VV	18	174	0.06%	0.036%
34	6.934	6.914	6.963	VV	17	381	0.14%	0.080%
35	7.020	6.963	7.033	VV	35	832	0.30%	0.174%
36	7.047	7.033	7.098	VV	20	552	0.20%	0.116%

					rteres			
37	7.108	7.098	7.121	VV	16	168	0.06%	0.035%
38	7.182	7.121	7.205	VV	30	775	0.28%	0.162%
39	7.216	7.205	7.253	VV	23	415	0.15%	0.087%
40	7.263	7.253	7.271	VV	21	146	0.05%	0.031%
41	7.280	7.271	7.298	VV	32	242	0.09%	0.051%
42	7.340	7.298	7.355	VV	23	443	0.16%	0.093%
43	7.404	7.355	7.413	PV	34	705	0.25%	0.148%
44	7.419	7.413	7.425	VV	24	132	0.05%	0.028%
45	7.461	7.425	7.485	VV	45	838	0.30%	0.175%
46	7.516	7.485	7.534	VV	36	645	0.23%	0.135%
47	7.579	7.534	7.590	VV	40	883	0.31%	0.185%
48	7.602	7.590	7.635	VV	45	719	0.26%	0.151%
49	7.652	7.635	7.660	VV	30	318	0.11%	0.067%
50	7.666	7.660	7.685	VV	25	248	0.09%	0.052%
51	7.712	7.685	7.744	VV	21	448	0.16%	0.094%
52	7.779	7.744	7.798	VV	19	404	0.14%	0.085%
53	7.807	7.798	7.832	VV	16	215	0.08%	0.045%
54	7.892	7.832	7.904	VV	37	831	0.30%	0.174%
55	7.921	7.904	7.938	VV	28	402	0.14%	0.084%
56	8.047	7.938	8.056	VV	123	4536	1.61%	0.950%
57	8.063	8.056	8.074	VV	111	1129	0.40%	0.237%
58	8.084	8.074	8.167	VV	124	5787	2.05%	1.212%
59	8.186	8.167	8.222	VV	103	3002	1.07%	0.629%
60	8.229	8.222	8.253	VV	88	1599	0.57%	0.335%
61	8.261	8.253	8.271	VV	86	829	0.29%	0.174%
62	8.286	8.271	8.296	VV	83	1107	0.39%	0.232%
63	8.303	8.296	8.327	VV	73	1342	0.48%	0.281%
64	8.340	8.327	8.372	VV	81	1932	0.69%	0.405%
65	8.382	8.372	8.398	VV	72	1072	0.38%	0.225%
66	8.422	8.398	8.456	VV	75	2325	0.83%	0.487%
67	8.463	8.456	8.473	VV	63	497	0.18%	0.104%
68	8.484	8.473	8.495	VV	47	495	0.18%	0.104%
69	8.514	8.495	8.534	VV	36	589	0.21%	0.123%
70	8.542	8.534	8.549	VV	17	131	0.05%	0.027%
71	8.559	8.549	8.570	VV	28	249	0.09%	0.052%
72	8.579	8.570	8.620	VV	23	533	0.19%	0.112%
73	8.649	8.620	8.663	VV	45	589	0.21%	0.123%
74	8.803	8.663	8.972	VV	4921	281701	100.00%	59.008%
75	9.044	9.032	9.110	VV	46	1753	0.62%	0.367%
76	9.123	9.110	9.223	VV	50	2110	0.75%	0.442%
77	9.241	9.223	9.262	VV	33	663	0.24%	0.139%
78	9.283	9.262	9.329	VV	30	991	0.35%	0.208%
79	9.347	9.329	9.380	VV	37	752	0.27%	0.158%
80	9.389	9.380	9.539	VV	32	2049	0.73%	0.429%
81	9.586	9.539	9.614	VV	31	970	0.34%	0.203%
82	9.695	9.614	9.717	VV	27	1349	0.48%	0.283%
83	9.764	9.717	9.779	VV	33	826	0.29%	0.173%
84	9.795	9.779	9.809	VV	26	398	0.14%	0.083%
85	9.871	9.809	9.884	VV	42	1183	0.42%	0.248%
86	9.933	9.884	9.953	VV	43	1372	0.49%	0.287%
87	9.975	9.953	10.043	VV	43	1406	0.50%	0.295%
88	10.058	10.043	10.117	VV	24	670	0.24%	0.140%
89	10.184	10.117	10.199	VV	43	950	0.34%	0.199%

					rteres			
90	10.213	10.199	10.238	VV	30	507	0.18%	0.106%
91	10.380	10.238	10.460	VV	89	7310	2.60%	1.531%
92	10.472	10.460	10.520	VV	62	1554	0.55%	0.326%
93	10.541	10.520	10.566	VV	35	788	0.28%	0.165%
94	10.634	10.566	10.742	VV	52	3642	1.29%	0.763%
95	10.804	10.742	10.820	VV	35	1216	0.43%	0.255%
96	10.832	10.820	10.878	VV	31	878	0.31%	0.184%
97	10.903	10.878	10.958	VV	40	1011	0.36%	0.212%
98	10.995	10.958	11.032	VV	32	972	0.35%	0.204%
99	11.045	11.032	11.059	VV	41	408	0.14%	0.085%
100	11.072	11.059	11.115	VV	30	668	0.24%	0.140%
101	11.164	11.115	11.226	PV	28	1365	0.48%	0.286%
102	11.233	11.226	11.248	VV	26	274	0.10%	0.057%
103	11.285	11.248	11.319	VV	31	1057	0.38%	0.221%
104	11.334	11.319	11.398	VV	27	813	0.29%	0.170%
105	11.503	11.398	11.521	VV	28	1467	0.52%	0.307%
106	11.546	11.521	11.629	VV	45	1472	0.52%	0.308%
107	11.656	11.629	11.688	VV	25	671	0.24%	0.141%
108	11.706	11.688	11.726	VV	29	507	0.18%	0.106%
109	11.749	11.726	11.767	VV	33	571	0.20%	0.120%
110	11.800	11.767	11.866	VV	37	1234	0.44%	0.258%
111	11.899	11.866	11.948	VV	32	1110	0.39%	0.233%
112	11.973	11.948	11.991	VV	19	312	0.11%	0.065%
113	12.007	11.991	12.042	VV	50	776	0.28%	0.163%
114	12.074	12.042	12.091	VV	26	545	0.19%	0.114%
115	12.118	12.091	12.150	PV	26	553	0.20%	0.116%
116	12.219	12.150	12.261	VV	28	962	0.34%	0.202%
117	12.300	12.261	12.374	PV	19	922	0.33%	0.193%
118	12.456	12.374	12.475	VV	27	952	0.34%	0.199%
119	12.486	12.475	12.549	VV	26	672	0.24%	0.141%
120	12.624	12.549	12.666	VV	23	1034	0.37%	0.217%
121	12.690	12.666	12.709	VV	25	433	0.15%	0.091%
122	12.742	12.709	12.844	VV	33	2151	0.76%	0.450%
123	12.915	12.844	12.989	VV	42	2626	0.93%	0.550%
124	13.191	12.989	13.283	VV	52	4150	1.47%	0.869%
125	13.302	13.283	13.326	VV	18	319	0.11%	0.067%
126	13.355	13.326	13.392	VV	23	472	0.17%	0.099%
127	13.403	13.392	13.443	VV	16	240	0.09%	0.050%
128	13.481	13.443	13.504	VV	15	381	0.14%	0.080%
129	13.518	13.504	13.593	VV	23	827	0.29%	0.173%
130	13.610	13.593	13.651	VV	26	512	0.18%	0.107%
131	13.689	13.651	13.702	VV	14	222	0.08%	0.047%
132	13.760	13.702	13.776	VV	29	665	0.24%	0.139%
133	13.816	13.776	13.845	VV	43	866	0.31%	0.181%
134	13.912	13.845	13.999	VV	51	3010	1.07%	0.631%
135	14.137	13.999	14.312	VV	155	14972	5.31%	3.136%
136	14.473	14.312	14.551	VV	33	2328	0.83%	0.488%
137	14.624	14.551	14.650	VV	22	681	0.24%	0.143%
138	14.673	14.650	14.689	VV	14	184	0.07%	0.038%
139	14.723	14.689	14.756	PV	21	401	0.14%	0.084%
140	14.797	14.756	14.856	PV	18	341	0.12%	0.071%
141	14.979	14.856	15.001	VV	31	1057	0.38%	0.221%

					rteres			
142	15.066	15.001	15.189	PV	68	3462	1.23%	0.725%
143	15.209	15.189	15.265	VV	17	641	0.23%	0.134%
144	15.280	15.265	15.353	PV	10	334	0.12%	0.070%
145	15.412	15.353	15.480	VV	52	2197	0.78%	0.460%
146	15.510	15.480	15.558	VV	44	1407	0.50%	0.295%
147	15.565	15.558	15.612	VV	34	734	0.26%	0.154%
148	15.753	15.612	15.772	VV	93	5371	1.91%	1.125%
149	15.818	15.772	16.030	VV	99	9477	3.36%	1.985%
150	16.048	16.030	16.066	VV	24	406	0.14%	0.085%
151	16.084	16.066	16.131	VV	24	570	0.20%	0.119%
152	16.151	16.131	16.163	VV	30	422	0.15%	0.088%
153	16.208	16.163	16.398	VV	57	3240	1.15%	0.679%
154	16.415	16.398	16.435	VV	28	515	0.18%	0.108%
155	16.463	16.435	16.526	VV	30	1108	0.39%	0.232%
156	16.549	16.526	16.566	VV	29	316	0.11%	0.066%
157	16.614	16.566	16.660	VV	24	821	0.29%	0.172%
158	16.666	16.660	16.684	VV	14	99	0.04%	0.021%
159	16.709	16.684	16.737	PV	22	161	0.06%	0.034%
Sum of corrected areas:							477392	

FB062325.M Thu Jul 10 02:25:12 2025

Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-78	SDG No.:	Q2514
Lab Sample ID:	Q2514-08	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	86.3
Sample Wt/Vol:	5.2	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
FB032047.D	1	07/09/25 17:10	FB070925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	9.00	U	9.00	50.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	18.2		50 - 150	91%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB070925\
Data File : FB032047.D
Signal(s) : FID2B.CH
Acq On : 9 Jul 2025 17:10
Operator : YP/AJ
Sample : Q2514-08
Misc : 5.20G/5.00 ML DI WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-78

Integration File: Calibration.e
Quant Time: Jul 10 01:38:09 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	8.802	280219	18.163 ng/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

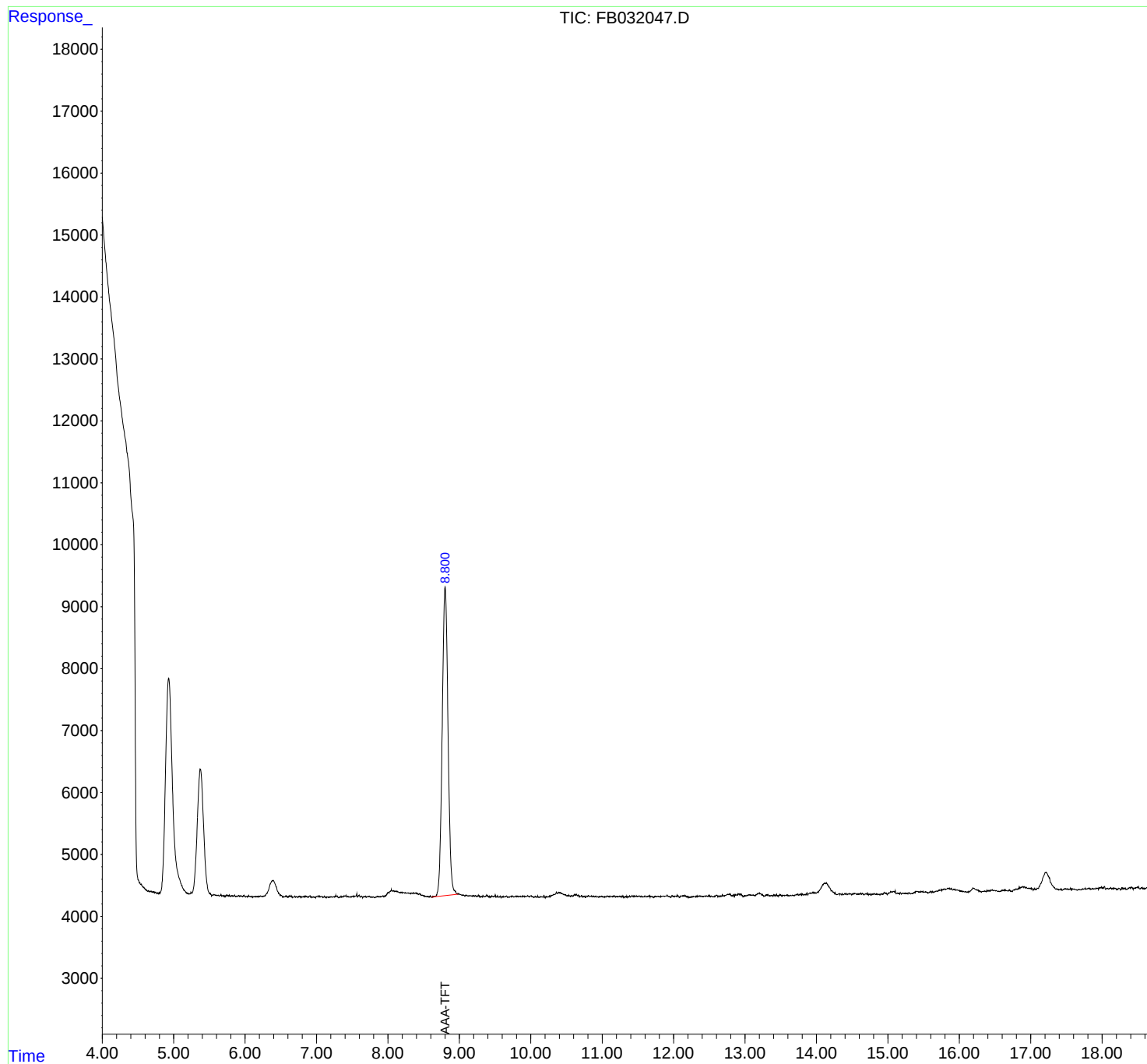
(m)=manual int.

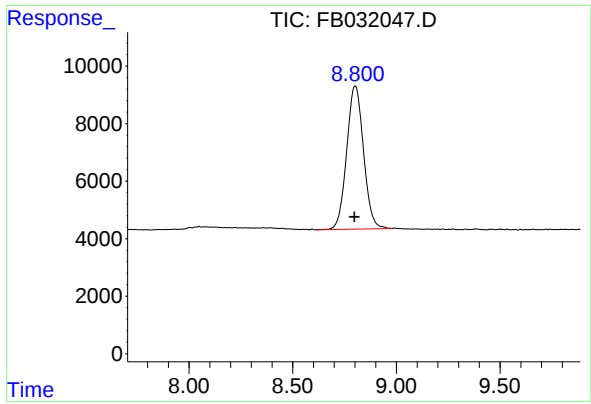
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB070925\
Data File : FB032047.D
Signal(s) : FID2B.CH
Acq On : 9 Jul 2025 17:10
Operator : YP/AJ
Sample : Q2514-08
Misc : 5.20G/5.00 ML DI WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-78

Integration File: Calibration.e
Quant Time: Jul 10 01:38:09 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





#5 AAA-TFT

R.T.: 8.802 min
Delta R.T.: 0.004 min
Response: 280219
Conc: 18.16 ng/ml

Instrument :
FID_B
ClientSampleId :
TP-78

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB070925\
 Data File : FB032047.D
 Signal(s) : FID2B.CH
 Acq On : 9 Jul 2025 17:10
 Sample : Q2514-08
 Misc : 5.20G/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	4.683	4.621	4.707	BV	14	79	0.03%	0.016%
2	4.716	4.707	4.734	PV	17	135	0.05%	0.028%
3	4.748	4.734	4.772	VV	19	212	0.07%	0.044%
4	4.781	4.772	4.791	PV	20	121	0.04%	0.025%
5	4.802	4.791	4.809	PV	25	136	0.05%	0.028%
6	5.244	5.220	5.258	VV	50	719	0.25%	0.148%
7	5.546	5.532	5.555	VV	21	222	0.08%	0.046%
8	5.566	5.555	5.610	VV	30	643	0.22%	0.133%
9	5.625	5.610	5.640	VV	20	247	0.08%	0.051%
10	5.664	5.640	5.678	VV	31	365	0.13%	0.075%
11	5.707	5.678	5.726	VV	23	342	0.12%	0.071%
12	5.742	5.726	5.752	PV	27	273	0.09%	0.056%
13	5.780	5.752	5.800	VV	31	482	0.17%	0.099%
14	5.818	5.800	5.844	VV	24	343	0.12%	0.071%
15	5.854	5.844	5.870	VV	28	220	0.08%	0.045%
16	5.881	5.870	5.889	VV	15	112	0.04%	0.023%
17	5.908	5.889	5.968	VV	24	606	0.21%	0.125%
18	5.987	5.968	6.009	PV	29	318	0.11%	0.066%
19	6.019	6.009	6.032	PV	12	92	0.03%	0.019%
20	6.053	6.032	6.072	VV	22	261	0.09%	0.054%
21	6.092	6.072	6.118	VV	11	141	0.05%	0.029%
22	6.148	6.118	6.205	VV	14	427	0.15%	0.088%
23	6.392	6.205	6.549	VV	274	20422	7.03%	4.213%
24	6.574	6.549	6.602	VV	26	409	0.14%	0.084%
25	6.631	6.602	6.686	VV	25	608	0.21%	0.125%
26	6.698	6.686	6.738	VV	19	310	0.11%	0.064%
27	6.764	6.738	6.788	PV	21	397	0.14%	0.082%
28	6.860	6.788	6.882	VV	23	749	0.26%	0.155%
29	6.908	6.882	6.987	VV	30	700	0.24%	0.144%
30	7.023	6.987	7.103	PV	30	1064	0.37%	0.219%
31	7.112	7.103	7.127	VV	21	155	0.05%	0.032%
32	7.150	7.127	7.187	VV	14	332	0.11%	0.068%
33	7.204	7.187	7.223	VV	15	251	0.09%	0.052%
34	7.272	7.223	7.309	VV	33	878	0.30%	0.181%
35	7.392	7.309	7.429	PV	28	1173	0.40%	0.242%
36	7.439	7.429	7.460	VV	24	319	0.11%	0.066%

					rteres				
37	7.563	7.460	7.577	VV	51	1599	0.55%	0.330%	
38	7.595	7.577	7.618	VV	41	661	0.23%	0.136%	
39	7.629	7.618	7.646	VV	28	292	0.10%	0.060%	
40	7.737	7.646	7.782	VV	26	1214	0.42%	0.251%	
41	7.796	7.782	7.817	VV	16	180	0.06%	0.037%	
42	7.852	7.817	7.883	VV	18	548	0.19%	0.113%	
43	8.049	7.883	8.185	VV	130	13141	4.52%	2.711%	
44	8.194	8.185	8.311	VV	89	5924	2.04%	1.222%	
45	8.359	8.311	8.381	VV	84	3049	1.05%	0.629%	
46	8.393	8.381	8.576	VV	82	5045	1.74%	1.041%	
47	8.595	8.576	8.617	VV	34	429	0.15%	0.089%	
48	8.801	8.617	9.076	VV	5014	290680	100.00%	59.972%	
49	9.096	9.076	9.135	VV	44	1234	0.42%	0.255%	
50	9.151	9.135	9.175	VV	37	743	0.26%	0.153%	
51	9.199	9.175	9.212	VV	39	650	0.22%	0.134%	
52	9.225	9.212	9.249	VV	40	603	0.21%	0.124%	
53	9.272	9.249	9.322	VV	41	950	0.33%	0.196%	
54	9.333	9.322	9.363	VV	38	541	0.19%	0.112%	
55	9.384	9.363	9.439	VV	39	1050	0.36%	0.217%	
56	9.460	9.439	9.479	VV	28	533	0.18%	0.110%	
57	9.502	9.479	9.548	VV	38	823	0.28%	0.170%	
58	9.574	9.548	9.588	VV	28	338	0.12%	0.070%	
59	9.661	9.588	9.698	PV	30	1046	0.36%	0.216%	
60	9.742	9.698	9.764	VV	28	777	0.27%	0.160%	
61	9.819	9.764	9.866	VV	31	1233	0.42%	0.254%	
62	9.885	9.866	9.896	VV	26	358	0.12%	0.074%	
63	9.954	9.896	9.984	VV	33	1245	0.43%	0.257%	
64	10.005	9.984	10.046	VV	34	738	0.25%	0.152%	
65	10.099	10.046	10.121	VV	30	576	0.20%	0.119%	
66	10.133	10.121	10.173	VV	17	395	0.14%	0.081%	
67	10.185	10.173	10.210	VV	31	384	0.13%	0.079%	
68	10.222	10.210	10.243	VV	16	295	0.10%	0.061%	
69	10.395	10.243	10.563	VV	85	9423	3.24%	1.944%	
70	10.575	10.563	10.588	VV	35	441	0.15%	0.091%	
71	10.637	10.588	10.693	VV	58	2324	0.80%	0.479%	
72	10.711	10.693	10.727	VV	37	454	0.16%	0.094%	
73	10.748	10.727	10.769	VV	28	401	0.14%	0.083%	
74	10.808	10.769	10.833	VV	33	858	0.30%	0.177%	
75	10.845	10.833	10.864	VV	26	374	0.13%	0.077%	
76	10.875	10.864	10.890	VV	23	319	0.11%	0.066%	
77	10.911	10.890	10.975	VV	26	786	0.27%	0.162%	
78	10.992	10.975	11.022	VV	20	504	0.17%	0.104%	
79	11.077	11.022	11.121	VV	27	1036	0.36%	0.214%	
80	11.169	11.121	11.184	VV	32	754	0.26%	0.156%	
81	11.249	11.184	11.268	VV	25	929	0.32%	0.192%	
82	11.283	11.268	11.309	VV	24	413	0.14%	0.085%	
83	11.333	11.309	11.376	VV	25	547	0.19%	0.113%	
84	11.419	11.376	11.445	VV	33	851	0.29%	0.176%	
85	11.480	11.445	11.500	VV	31	691	0.24%	0.143%	
86	11.519	11.500	11.578	VV	26	883	0.30%	0.182%	
87	11.601	11.578	11.618	VV	25	435	0.15%	0.090%	
88	11.667	11.618	11.719	VV	31	1070	0.37%	0.221%	
89	11.742	11.719	11.765	VV	27	445	0.15%	0.092%	

					rters				
90	11.781	11.765	11.812	VV	26	498	0.17%	0.103%	
91	11.910	11.812	11.963	VV	42	1926	0.66%	0.397%	
92	11.979	11.963	12.001	PV	27	471	0.16%	0.097%	
93	12.055	12.001	12.083	VV	32	1087	0.37%	0.224%	
94	12.160	12.083	12.228	PV	33	1748	0.60%	0.361%	
95	12.321	12.228	12.398	PV	27	1551	0.53%	0.320%	
96	12.490	12.398	12.570	VV	30	1620	0.56%	0.334%	
97	12.606	12.570	12.667	VV	31	1072	0.37%	0.221%	
98	12.787	12.667	12.818	VV	56	2857	0.98%	0.589%	
99	12.835	12.818	12.873	VV	36	827	0.28%	0.171%	
100	12.915	12.873	12.979	VV	51	2103	0.72%	0.434%	
101	13.057	12.979	13.143	VV	31	2168	0.75%	0.447%	
102	13.201	13.143	13.267	VV	65	2662	0.92%	0.549%	
103	13.321	13.267	13.372	VV	31	1032	0.36%	0.213%	
104	13.444	13.372	13.472	VV	34	910	0.31%	0.188%	
105	13.492	13.472	13.557	VV	28	781	0.27%	0.161%	
106	13.590	13.557	13.621	VV	12	463	0.16%	0.096%	
107	13.636	13.621	13.653	VV	13	163	0.06%	0.034%	
108	13.667	13.653	13.687	VV	15	218	0.08%	0.045%	
109	13.722	13.687	13.755	VV	31	792	0.27%	0.163%	
110	13.775	13.755	13.792	VV	34	499	0.17%	0.103%	
111	14.119	13.792	14.283	VV	204	23576	8.11%	4.864%	
112	14.332	14.283	14.382	VV	31	1199	0.41%	0.247%	
113	14.417	14.382	14.432	VV	35	675	0.23%	0.139%	
114	14.458	14.432	14.496	VV	31	793	0.27%	0.164%	
115	14.540	14.496	14.587	VV	28	1193	0.41%	0.246%	
116	14.643	14.587	14.668	VV	30	914	0.31%	0.189%	
117	14.695	14.668	14.791	VV	27	917	0.32%	0.189%	
118	14.807	14.791	14.838	VV	24	391	0.13%	0.081%	
119	14.845	14.838	14.886	VV	24	251	0.09%	0.052%	
120	14.952	14.886	14.993	PV	34	1061	0.36%	0.219%	
121	15.042	14.993	15.054	PV	52	1134	0.39%	0.234%	
122	15.085	15.054	15.120	VV	54	1611	0.55%	0.332%	
123	15.134	15.120	15.167	VV	22	502	0.17%	0.104%	
124	15.177	15.167	15.191	VV	24	264	0.09%	0.054%	
125	15.208	15.191	15.281	VV	20	775	0.27%	0.160%	
126	15.301	15.281	15.336	VV	25	458	0.16%	0.094%	
127	15.408	15.336	15.456	VV	46	2112	0.73%	0.436%	
128	15.478	15.456	15.523	VV	44	1296	0.45%	0.267%	
129	15.530	15.523	15.568	VV	35	645	0.22%	0.133%	
130	15.840	15.568	15.909	VV	83	10316	3.55%	2.128%	
131	15.927	15.909	16.075	VV	63	3976	1.37%	0.820%	
132	16.090	16.075	16.127	VV	23	438	0.15%	0.090%	
133	16.197	16.127	16.310	VV	69	4218	1.45%	0.870%	
134	16.355	16.310	16.375	VV	25	597	0.21%	0.123%	
135	16.466	16.375	16.564	VV	35	2499	0.86%	0.516%	
136	16.634	16.564	16.692	VV	32	1519	0.52%	0.313%	
137	16.702	16.692	16.745	VV	31	438	0.15%	0.090%	
				Sum of corrected areas:		484695			

Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-81	SDG No.:	Q2514
Lab Sample ID:	Q2514-09	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	86.3
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Final Vol:	5
GPC Factor :		Test:	Gasoline Range Organics
Prep Method :		Injection Volume :	

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB032054.D	1	07/09/25 20:21	FB070925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	10.0	U	10.0	52.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	15.8		50 - 150	79%	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\FB070925\
Data File : FB032054.D
Signal(s) : FID2B.CH
Acq On : 9 Jul 2025 20:21
Operator : YP/AJ
Sample : Q2514-09
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-81

Integration File: Calibration.e
Quant Time: Jul 10 01:38:55 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	8.800	244452	15.845 ng/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

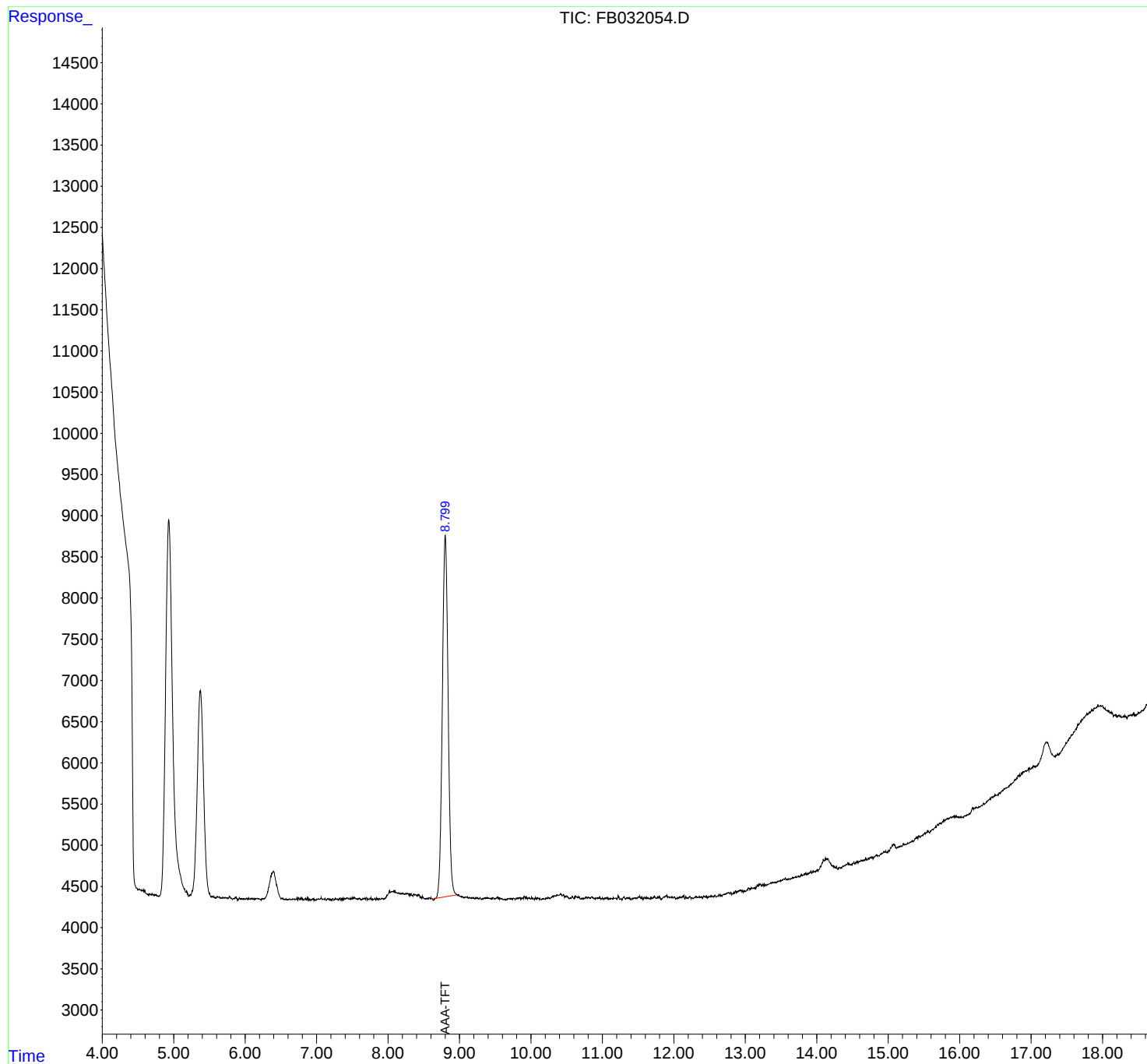
(m)=manual int.

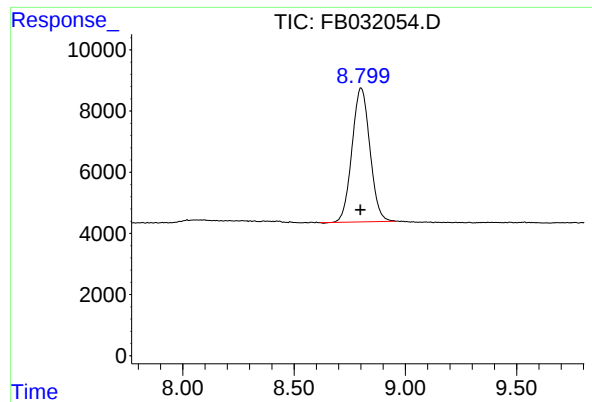
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB070925\
Data File : FB032054.D
Signal(s) : FID2B.CH
Acq On : 9 Jul 2025 20:21
Operator : YP/AJ
Sample : Q2514-09
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-81

Integration File: Calibration.e
Quant Time: Jul 10 01:38:55 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.: 8.800 min
Delta R.T.: 0.003 min
Response: 244452
Conc: 15.84 ng/ml

Instrument :
FID_B
ClientSampleId :
TP-81

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB070925\
 Data File : FB032054.D
 Signal(s) : FID2B.CH
 Acq On : 9 Jul 2025 20:21
 Sample : Q2514-09
 Misc : 5.00G/5.00 ML DI WATER
 ALS Vial : 14 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	4.687	BV	10	59	0.02%	0.013%
2	4.695	4.687	4.747	PV	11	156	0.06%	0.036%
3	4.756	4.747	4.799	VV	13	132	0.05%	0.030%
4	5.182	5.174	5.211	VV	84	1168	0.46%	0.266%
5	5.537	5.528	5.597	VV	31	819	0.32%	0.187%
6	5.612	5.597	5.628	VV	32	421	0.17%	0.096%
7	5.638	5.628	5.678	VV	28	524	0.21%	0.119%
8	5.688	5.678	5.703	VV	21	262	0.10%	0.060%
9	5.711	5.703	5.720	VV	22	172	0.07%	0.039%
10	5.729	5.720	5.737	VV	23	187	0.07%	0.043%
11	5.746	5.737	5.756	VV	22	190	0.08%	0.043%
12	5.782	5.756	5.822	VV	40	740	0.29%	0.169%
13	5.838	5.822	5.851	PV	16	171	0.07%	0.039%
14	5.873	5.851	5.905	VV	36	491	0.19%	0.112%
15	5.921	5.905	5.949	PV	27	324	0.13%	0.074%
16	5.957	5.949	5.979	VV	13	158	0.06%	0.036%
17	5.989	5.979	6.001	VV	12	126	0.05%	0.029%
18	6.025	6.001	6.035	PV	22	259	0.10%	0.059%
19	6.051	6.035	6.071	VV	15	235	0.09%	0.054%
20	6.090	6.071	6.101	VV	20	265	0.10%	0.060%
21	6.110	6.101	6.124	VV	22	165	0.07%	0.038%
22	6.170	6.124	6.224	VV	21	686	0.27%	0.156%
23	6.245	6.224	6.257	VV	18	238	0.09%	0.054%
24	6.398	6.257	6.503	VV	348	23843	9.42%	5.433%
25	6.527	6.503	6.560	VV	25	491	0.19%	0.112%
26	6.570	6.560	6.602	VV	16	192	0.08%	0.044%
27	6.616	6.602	6.642	VV	14	233	0.09%	0.053%
28	6.678	6.642	6.712	VV	16	462	0.18%	0.105%
29	6.726	6.712	6.736	VV	36	243	0.10%	0.055%
30	6.752	6.736	6.764	VV	30	281	0.11%	0.064%
31	6.778	6.764	6.786	VV	29	224	0.09%	0.051%
32	6.796	6.786	6.824	VV	30	286	0.11%	0.065%
33	6.848	6.824	6.858	VV	23	275	0.11%	0.063%
34	6.868	6.858	6.875	VV	27	169	0.07%	0.039%
35	6.881	6.875	6.926	VV	37	379	0.15%	0.086%
36	6.959	6.926	6.988	PV	24	344	0.14%	0.078%

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37	7.024	6.988	7.047	VV	17	447	0.18%	0.102%	
38	7.065	7.047	7.089	VV	35	466	0.18%	0.106%	
39	7.101	7.089	7.111	VV	16	190	0.08%	0.043%	
40	7.121	7.111	7.135	VV	21	164	0.06%	0.037%	
41	7.152	7.135	7.160	VV	22	185	0.07%	0.042%	
42	7.166	7.160	7.200	VV	22	306	0.12%	0.070%	
43	7.230	7.200	7.244	PV	23	286	0.11%	0.065%	
44	7.266	7.244	7.279	VV	26	286	0.11%	0.065%	
45	7.294	7.279	7.309	VV	18	220	0.09%	0.050%	
46	7.329	7.309	7.378	VV	28	602	0.24%	0.137%	
47	7.388	7.378	7.401	VV	24	255	0.10%	0.058%	
48	7.429	7.401	7.477	VV	32	971	0.38%	0.221%	
49	7.486	7.477	7.498	VV	27	246	0.10%	0.056%	
50	7.527	7.498	7.573	VV	42	1103	0.44%	0.251%	
51	7.599	7.573	7.636	VV	26	610	0.24%	0.139%	
52	7.671	7.636	7.682	VV	28	504	0.20%	0.115%	
53	7.697	7.682	7.710	VV	34	358	0.14%	0.082%	
54	7.720	7.710	7.735	VV	20	193	0.08%	0.044%	
55	7.748	7.735	7.771	VV	26	433	0.17%	0.099%	
56	7.820	7.771	7.832	VV	30	549	0.22%	0.125%	
57	7.842	7.832	7.850	VV	28	158	0.06%	0.036%	
58	7.860	7.850	7.869	VV	21	177	0.07%	0.040%	
59	7.880	7.869	7.891	VV	24	216	0.09%	0.049%	
60	7.910	7.891	7.936	VV	28	527	0.21%	0.120%	
61	8.020	7.936	8.029	VV	117	3043	1.20%	0.693%	
62	8.066	8.029	8.091	VV	108	3924	1.55%	0.894%	
63	8.098	8.091	8.133	VV	110	2422	0.96%	0.552%	
64	8.153	8.133	8.164	VV	93	1644	0.65%	0.375%	
65	8.174	8.164	8.203	VV	88	1850	0.73%	0.422%	
66	8.211	8.203	8.230	VV	91	1353	0.53%	0.308%	
67	8.243	8.230	8.252	VV	86	1022	0.40%	0.233%	
68	8.268	8.252	8.296	VV	87	2088	0.83%	0.476%	
69	8.304	8.296	8.312	VV	80	709	0.28%	0.162%	
70	8.323	8.312	8.339	VV	81	1094	0.43%	0.249%	
71	8.362	8.339	8.375	VV	79	1418	0.56%	0.323%	
72	8.382	8.375	8.412	VV	72	1432	0.57%	0.326%	
73	8.423	8.412	8.476	VV	75	1877	0.74%	0.428%	
74	8.482	8.476	8.538	VV	52	961	0.38%	0.219%	
75	8.553	8.538	8.564	VV	26	325	0.13%	0.074%	
76	8.576	8.564	8.595	VV	34	487	0.19%	0.111%	
77	8.601	8.595	8.633	VV	37	441	0.17%	0.100%	
78	8.801	8.633	8.958	PV	4427	252988	100.00%	57.649%	
79	8.964	8.958	9.024	VV	72	2308	0.91%	0.526%	
80	9.035	9.024	9.059	VV	47	851	0.34%	0.194%	
81	9.068	9.059	9.075	VV	39	332	0.13%	0.076%	
82	9.093	9.075	9.127	VV	43	1084	0.43%	0.247%	
83	9.137	9.127	9.166	VV	37	675	0.27%	0.154%	
84	9.172	9.166	9.183	VV	34	279	0.11%	0.064%	
85	9.193	9.183	9.217	VV	31	516	0.20%	0.118%	
86	9.227	9.217	9.235	VV	32	264	0.10%	0.060%	
87	9.257	9.235	9.272	VV	30	499	0.20%	0.114%	
88	9.288	9.272	9.314	VV	33	492	0.19%	0.112%	
89	9.372	9.314	9.380	VV	32	891	0.35%	0.203%	

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90	9.389	9.380	9.444	VV	32	898	0.35%	0.205%
91	9.451	9.444	9.459	VV	29	197	0.08%	0.045%
92	9.469	9.459	9.487	VV	34	425	0.17%	0.097%
93	9.536	9.487	9.545	VV	41	866	0.34%	0.197%
94	9.557	9.545	9.619	VV	28	774	0.31%	0.176%
95	9.633	9.619	9.648	VV	11	148	0.06%	0.034%
96	9.761	9.648	9.779	VV	25	1216	0.48%	0.277%
97	9.841	9.779	9.863	VV	29	1078	0.43%	0.246%
98	9.907	9.863	9.966	VV	43	1666	0.66%	0.380%
99	9.979	9.966	9.998	VV	31	430	0.17%	0.098%
100	10.009	9.998	10.044	VV	34	522	0.21%	0.119%
101	10.064	10.044	10.148	VV	34	1066	0.42%	0.243%
102	10.182	10.148	10.201	VV	17	425	0.17%	0.097%
103	10.241	10.201	10.271	VV	28	922	0.36%	0.210%
104	10.416	10.271	10.441	VV	78	5284	2.09%	1.204%
105	10.457	10.441	10.491	VV	66	1493	0.59%	0.340%
106	10.502	10.491	10.560	VV	49	1327	0.52%	0.302%
107	10.580	10.560	10.605	VV	44	799	0.32%	0.182%
108	10.627	10.605	10.659	VV	40	1091	0.43%	0.249%
109	10.674	10.659	10.705	VV	34	641	0.25%	0.146%
110	10.772	10.705	10.794	VV	37	1223	0.48%	0.279%
111	10.804	10.794	10.828	VV	37	563	0.22%	0.128%
112	10.850	10.828	10.914	VV	38	1313	0.52%	0.299%
113	10.963	10.914	10.986	VV	42	971	0.38%	0.221%
114	11.003	10.986	11.017	VV	25	318	0.13%	0.073%
115	11.071	11.017	11.107	VV	34	971	0.38%	0.221%
116	11.130	11.107	11.145	VV	17	344	0.14%	0.078%
117	11.165	11.145	11.203	VV	23	647	0.26%	0.147%
118	11.224	11.203	11.274	VV	36	887	0.35%	0.202%
119	11.304	11.274	11.325	VV	35	634	0.25%	0.145%
120	11.342	11.325	11.403	VV	29	834	0.33%	0.190%
121	11.524	11.403	11.573	PV	43	2259	0.89%	0.515%
122	11.586	11.573	11.660	VV	24	1002	0.40%	0.228%
123	11.680	11.660	11.700	VV	32	394	0.16%	0.090%
124	11.732	11.700	11.760	VV	41	849	0.34%	0.194%
125	11.797	11.760	11.821	VV	42	752	0.30%	0.171%
126	11.899	11.821	11.966	PV	45	2182	0.86%	0.497%
127	11.975	11.966	11.989	VV	35	338	0.13%	0.077%
128	12.005	11.989	12.043	VV	25	471	0.19%	0.107%
129	12.138	12.043	12.202	PV	32	1641	0.65%	0.374%
130	12.225	12.202	12.270	VV	30	537	0.21%	0.122%
131	12.312	12.270	12.341	PV	21	580	0.23%	0.132%
132	12.357	12.341	12.372	VV	27	282	0.11%	0.064%
133	12.388	12.372	12.402	VV	20	242	0.10%	0.055%
134	12.422	12.402	12.472	PV	21	597	0.24%	0.136%
135	12.524	12.472	12.542	PV	21	544	0.21%	0.124%
136	12.552	12.542	12.561	VV	17	154	0.06%	0.035%
137	12.575	12.561	12.595	VV	26	276	0.11%	0.063%
138	12.637	12.595	12.676	PV	22	540	0.21%	0.123%
139	12.769	12.676	12.787	PV	28	1181	0.47%	0.269%
140	12.797	12.787	12.812	VV	20	188	0.07%	0.043%
141	12.864	12.812	12.887	VV	32	487	0.19%	0.111%

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142	12.939	12.887	12.973	VV	28	958	0.38%	0.218%	
143	12.993	12.973	13.007	PV	5	115	0.05%	0.026%	
144	13.047	13.007	13.065	PV	35	648	0.26%	0.148%	
145	13.128	13.065	13.140	VV	20	753	0.30%	0.172%	
146	13.211	13.140	13.230	VV	44	1639	0.65%	0.373%	
147	13.562	13.230	13.627	VV	49	6273	2.48%	1.429%	
148	13.744	13.627	13.767	VV	31	2138	0.85%	0.487%	
149	13.845	13.767	13.858	VV	50	1901	0.75%	0.433%	
150	13.918	13.858	13.931	VV	57	1658	0.66%	0.378%	
151	14.128	13.931	14.301	VV	166	17584	6.95%	4.007%	
152	14.324	14.301	14.338	PV	16	266	0.10%	0.061%	
153	14.438	14.338	14.480	PV	46	1760	0.70%	0.401%	
154	14.521	14.480	14.538	VV	34	503	0.20%	0.115%	
155	14.687	14.538	14.707	VV	42	2020	0.80%	0.460%	
156	14.775	14.707	14.788	VV	33	1110	0.44%	0.253%	
157	14.835	14.788	14.877	PV	36	1064	0.42%	0.242%	
158	14.964	14.877	14.993	VV	33	1383	0.55%	0.315%	
159	15.078	14.993	15.122	PV	72	2990	1.18%	0.681%	
160	15.219	15.122	15.239	VV	23	618	0.24%	0.141%	
161	15.431	15.239	15.451	PV	21	778	0.31%	0.177%	
162	15.552	15.451	15.578	VV	41	1499	0.59%	0.341%	
163	15.780	15.578	15.793	VV	84	5539	2.19%	1.262%	
164	15.930	15.793	15.988	VV	58	6857	2.71%	1.563%	
165	16.013	15.988	16.030	VV	17	385	0.15%	0.088%	
166	16.229	16.030	16.256	PV	28	842	0.33%	0.192%	
			Sum of corrected areas:			438842			

FB062325.M Thu Jul 10 02:28:35 2025

Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-90	SDG No.:	Q2514
Lab Sample ID:	Q2514-10	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	91.6
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
FB032053.D	1	07/09/25 19:54	FB070925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	11.0	U	11.0	58.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	17.4		50 - 150	87%	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\FB070925\
Data File : FB032053.D
Signal(s) : FID2B.CH
Acq On : 9 Jul 2025 19:54
Operator : YP/AJ
Sample : Q2514-10
Misc : 4.20G/5.00 ML DI WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-90

Integration File: Calibration.e
Quant Time: Jul 10 01:38:49 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	8.802	267686	17.351 ng/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

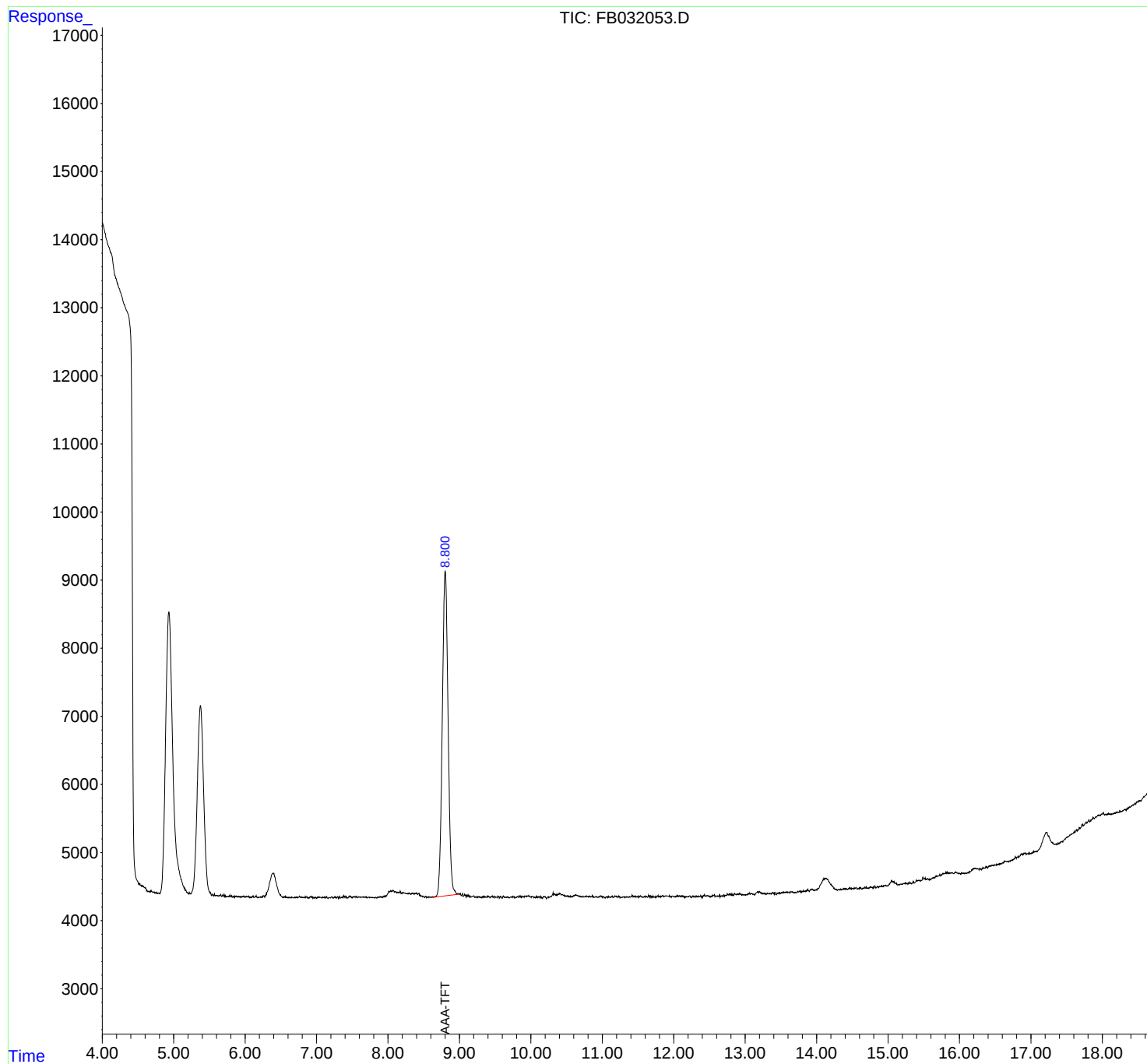
(m)=manual int.

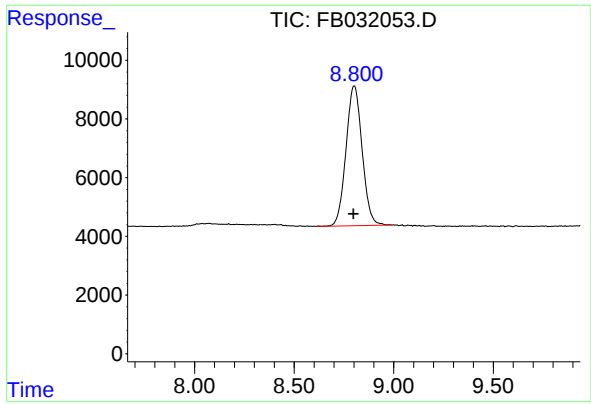
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB070925\
Data File : FB032053.D
Signal(s) : FID2B.CH
Acq On : 9 Jul 2025 19:54
Operator : YP/AJ
Sample : Q2514-10
Misc : 4.20G/5.00 ML DI WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-90

Integration File: Calibration.e
Quant Time: Jul 10 01:38:49 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.: 8.802 min
Delta R.T.: 0.004 min
Response: 267686
Conc: 17.35 ng/ml

Instrument :
FID_B
ClientSampleId :
TP-90

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB070925\
 Data File : FB032053.D
 Signal(s) : FID2B.CH
 Acq On : 9 Jul 2025 19:54
 Sample : Q2514-10
 Misc : 4.20G/5.00 ML DI WATER
 ALS Vial : 13 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	4.686	4.674	4.757	PV	26	371	0.13%	0.080%
2	4.761	4.757	4.800	PV	9	50	0.02%	0.011%
3	5.218	5.210	5.233	VV	37	360	0.13%	0.077%
4	5.542	5.534	5.562	VV	30	342	0.12%	0.073%
5	5.570	5.562	5.586	VV	35	256	0.09%	0.055%
6	5.597	5.586	5.626	VV	17	304	0.11%	0.065%
7	5.636	5.626	5.647	VV	19	165	0.06%	0.035%
8	5.659	5.647	5.673	VV	37	300	0.11%	0.064%
9	5.690	5.673	5.714	VV	32	384	0.14%	0.082%
10	5.720	5.714	5.729	VV	26	132	0.05%	0.028%
11	5.751	5.729	5.765	PV	13	188	0.07%	0.040%
12	5.787	5.765	5.797	VV	28	264	0.09%	0.057%
13	5.808	5.797	5.825	VV	22	191	0.07%	0.041%
14	5.836	5.825	5.846	VV	18	102	0.04%	0.022%
15	5.863	5.846	5.870	PV	21	146	0.05%	0.031%
16	5.877	5.870	5.898	VV	19	193	0.07%	0.041%
17	5.913	5.898	5.956	VV	17	348	0.13%	0.075%
18	5.987	5.956	6.011	VV	23	418	0.15%	0.090%
19	6.019	6.011	6.027	VV	18	117	0.04%	0.025%
20	6.037	6.027	6.043	VV	19	126	0.05%	0.027%
21	6.051	6.043	6.069	VV	22	168	0.06%	0.036%
22	6.083	6.069	6.095	VV	9	86	0.03%	0.018%
23	6.113	6.095	6.125	VV	27	268	0.10%	0.058%
24	6.154	6.125	6.186	VV	29	376	0.14%	0.081%
25	6.202	6.186	6.209	PV	9	80	0.03%	0.017%
26	6.238	6.209	6.245	VV	20	212	0.08%	0.046%
27	6.256	6.245	6.277	VV	33	449	0.16%	0.096%
28	6.394	6.277	6.549	VV	364	25688	9.23%	5.511%
29	6.561	6.549	6.570	VV	23	179	0.06%	0.038%
30	6.576	6.570	6.601	VV	16	165	0.06%	0.035%
31	6.655	6.601	6.675	VV	16	379	0.14%	0.081%
32	6.697	6.675	6.739	VV	17	416	0.15%	0.089%
33	6.764	6.739	6.819	VV	28	749	0.27%	0.161%
34	6.860	6.819	6.897	VV	20	556	0.20%	0.119%
35	6.915	6.897	6.981	VV	21	732	0.26%	0.157%
36	6.989	6.981	7.006	VV	18	141	0.05%	0.030%

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37	7.032	7.006	7.081	PV	18	666	0.24%	0.143%	
38	7.142	7.081	7.162	VV	22	681	0.24%	0.146%	
39	7.213	7.162	7.230	PV	28	565	0.20%	0.121%	
40	7.256	7.230	7.284	VV	18	453	0.16%	0.097%	
41	7.296	7.284	7.311	VV	29	251	0.09%	0.054%	
42	7.380	7.311	7.440	PV	40	1420	0.51%	0.305%	
43	7.465	7.440	7.503	VV	37	841	0.30%	0.180%	
44	7.558	7.503	7.635	VV	31	1621	0.58%	0.348%	
45	7.660	7.635	7.682	VV	26	569	0.20%	0.122%	
46	7.693	7.682	7.711	VV	25	304	0.11%	0.065%	
47	7.731	7.711	7.808	VV	20	813	0.29%	0.174%	
48	7.824	7.808	7.840	VV	20	227	0.08%	0.049%	
49	8.039	7.840	8.155	VV	118	11731	4.22%	2.517%	
50	8.171	8.155	8.197	VV	108	2131	0.77%	0.457%	
51	8.212	8.197	8.319	VV	90	5524	1.99%	1.185%	
52	8.351	8.319	8.365	VV	74	1941	0.70%	0.416%	
53	8.402	8.365	8.517	VV	84	4762	1.71%	1.022%	
54	8.530	8.517	8.553	VV	32	493	0.18%	0.106%	
55	8.568	8.553	8.612	VV	26	666	0.24%	0.143%	
56	8.624	8.612	8.638	VV	27	326	0.12%	0.070%	
57	8.802	8.638	9.060	VV	4802	278191	100.00%	59.687%	
58	9.074	9.060	9.163	VV	52	2303	0.83%	0.494%	
59	9.201	9.163	9.248	VV	37	1236	0.44%	0.265%	
60	9.279	9.248	9.318	VV	20	791	0.28%	0.170%	
61	9.335	9.318	9.386	VV	30	823	0.30%	0.177%	
62	9.404	9.386	9.430	VV	29	631	0.23%	0.135%	
63	9.460	9.430	9.474	VV	37	588	0.21%	0.126%	
64	9.487	9.474	9.530	VV	28	630	0.23%	0.135%	
65	9.545	9.530	9.561	VV	29	386	0.14%	0.083%	
66	9.578	9.561	9.598	VV	29	411	0.15%	0.088%	
67	9.616	9.598	9.632	VV	30	392	0.14%	0.084%	
68	9.642	9.632	9.655	VV	22	238	0.09%	0.051%	
69	9.685	9.655	9.701	VV	21	428	0.15%	0.092%	
70	9.764	9.701	9.780	VV	26	851	0.31%	0.183%	
71	9.839	9.780	9.873	VV	29	1129	0.41%	0.242%	
72	9.887	9.873	9.901	VV	31	395	0.14%	0.085%	
73	9.936	9.901	10.067	VV	37	2562	0.92%	0.550%	
74	10.081	10.067	10.132	VV	35	714	0.26%	0.153%	
75	10.141	10.132	10.165	VV	30	262	0.09%	0.056%	
76	10.190	10.165	10.221	VV	23	559	0.20%	0.120%	
77	10.311	10.221	10.357	PV	71	2906	1.04%	0.623%	
78	10.410	10.357	10.496	VV	72	4227	1.52%	0.907%	
79	10.512	10.496	10.552	VV	32	980	0.35%	0.210%	
80	10.556	10.552	10.571	VV	37	313	0.11%	0.067%	
81	10.636	10.571	10.718	VV	50	2909	1.05%	0.624%	
82	10.732	10.718	10.746	VV	30	356	0.13%	0.076%	
83	10.777	10.746	10.803	VV	29	875	0.31%	0.188%	
84	10.821	10.803	10.853	VV	28	727	0.26%	0.156%	
85	10.863	10.853	10.887	VV	30	459	0.17%	0.099%	
86	10.912	10.887	10.939	VV	26	521	0.19%	0.112%	
87	10.982	10.939	11.042	VV	29	1201	0.43%	0.258%	
88	11.090	11.042	11.115	PV	21	677	0.24%	0.145%	
89	11.134	11.115	11.162	VV	23	471	0.17%	0.101%	

					rteres			
90	11.181	11.162	11.219	VV	32	755	0.27%	0.162%
91	11.235	11.219	11.264	VV	25	429	0.15%	0.092%
92	11.301	11.264	11.337	VV	20	579	0.21%	0.124%
93	11.347	11.337	11.367	VV	17	245	0.09%	0.053%
94	11.420	11.367	11.504	VV	34	1558	0.56%	0.334%
95	11.540	11.504	11.582	VV	25	809	0.29%	0.174%
96	11.620	11.582	11.634	VV	20	481	0.17%	0.103%
97	11.650	11.634	11.744	VV	35	1128	0.41%	0.242%
98	11.778	11.744	11.802	VV	25	566	0.20%	0.121%
99	11.846	11.802	11.865	VV	32	857	0.31%	0.184%
100	11.889	11.865	11.969	VV	29	1347	0.48%	0.289%
101	11.984	11.969	12.014	VV	25	500	0.18%	0.107%
102	12.079	12.014	12.108	VV	28	1056	0.38%	0.227%
103	12.129	12.108	12.191	VV	23	766	0.28%	0.164%
104	12.225	12.191	12.246	VV	28	507	0.18%	0.109%
105	12.267	12.246	12.297	VV	22	405	0.15%	0.087%
106	12.312	12.297	12.329	VV	22	285	0.10%	0.061%
107	12.350	12.329	12.363	VV	12	279	0.10%	0.060%
108	12.430	12.363	12.512	VV	35	1745	0.63%	0.374%
109	12.568	12.512	12.595	PV	37	951	0.34%	0.204%
110	12.610	12.595	12.622	VV	20	207	0.07%	0.045%
111	12.641	12.622	12.662	VV	37	344	0.12%	0.074%
112	12.676	12.662	12.692	VV	17	204	0.07%	0.044%
113	12.787	12.692	12.833	VV	40	2070	0.74%	0.444%
114	12.854	12.833	12.879	VV	42	793	0.29%	0.170%
115	12.925	12.879	12.979	VV	44	1572	0.57%	0.337%
116	12.995	12.979	13.010	VV	21	290	0.10%	0.062%
117	13.062	13.010	13.125	VV	36	1620	0.58%	0.347%
118	13.177	13.125	13.263	VV	48	2837	1.02%	0.609%
119	13.273	13.263	13.296	VV	24	397	0.14%	0.085%
120	13.316	13.296	13.366	VV	24	757	0.27%	0.162%
121	13.387	13.366	13.433	VV	28	812	0.29%	0.174%
122	13.483	13.433	13.500	PV	27	618	0.22%	0.133%
123	13.587	13.500	13.605	VV	30	1435	0.52%	0.308%
124	13.644	13.605	13.692	VV	31	1092	0.39%	0.234%
125	13.709	13.692	13.725	VV	18	252	0.09%	0.054%
126	13.784	13.725	13.803	VV	36	1061	0.38%	0.228%
127	13.879	13.803	13.899	VV	48	1489	0.54%	0.319%
128	13.937	13.899	13.977	VV	49	1647	0.59%	0.353%
129	14.136	13.977	14.294	VV	195	18644	6.70%	4.000%
130	14.387	14.294	14.434	VV	29	1370	0.49%	0.294%
131	14.465	14.434	14.515	VV	34	951	0.34%	0.204%
132	14.552	14.515	14.593	VV	32	778	0.28%	0.167%
133	14.607	14.593	14.633	VV	22	332	0.12%	0.071%
134	14.679	14.633	14.732	PV	29	681	0.24%	0.146%
135	14.816	14.732	14.836	VV	36	863	0.31%	0.185%
136	14.852	14.836	14.867	PV	21	230	0.08%	0.049%
137	14.911	14.867	14.925	PV	28	474	0.17%	0.102%
138	14.963	14.925	14.994	VV	21	620	0.22%	0.133%
139	15.050	14.994	15.139	VV	83	3479	1.25%	0.746%
140	15.243	15.139	15.278	VV	25	831	0.30%	0.178%
141	15.356	15.278	15.370	VV	30	456	0.16%	0.098%

					rteres			
142	15.432	15.370	15.459	PV	30	1135	0.41%	0.243%
143	15.490	15.459	15.504	VV	55	872	0.31%	0.187%
144	15.518	15.504	15.540	VV	40	661	0.24%	0.142%
145	15.558	15.540	15.598	VV	29	615	0.22%	0.132%
146	15.812	15.598	15.865	VV	83	7132	2.56%	1.530%
147	15.901	15.865	15.924	VV	50	1586	0.57%	0.340%
148	15.946	15.924	16.019	VV	48	1726	0.62%	0.370%
149	16.046	16.019	16.071	PV	16	379	0.14%	0.081%
150	16.086	16.071	16.102	VV	10	111	0.04%	0.024%
151	16.222	16.102	16.242	PV	48	2168	0.78%	0.465%
152	16.254	16.242	16.275	VV	31	515	0.19%	0.111%
153	16.288	16.275	16.308	VV	31	341	0.12%	0.073%
154	16.374	16.308	16.394	PV	23	729	0.26%	0.156%
155	16.498	16.394	16.519	VV	17	1135	0.41%	0.244%
156	16.643	16.519	16.689	VV	25	1003	0.36%	0.215%
Sum of corrected areas:							466081	



CALIBRATION SUMMARY

GASOLINE RANGE ORGANICS INITIAL CALIBRATION SUMMARY

Lab Name: Alliance

Contract: CAMP02

ProjectID: South River WM Replacement

Lab Code: ACE

SDG No.: Q2514

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: Alliane Contract: CAMP02
ProjectID: South River WM Replacement
Lab Code: ACE SDG No.: Q2514
DataFile: FB032033.D Analyst Name: YP/AJ Analyst Date: 07-09-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	4590295	25502	29754	14.291

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB070925\
 Data File : FB032033.D
 Signal(s) : FID2B.CH
 Acq On : 9 Jul 2025 8:12
 Operator : YP/AJ
 Sample : 20 PPB GRO STD
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 FID_B
 ClientSampleId :
 20 PPB GRO STD

Integration File: Calibration.e
 Quant Time: Jul 10 01:36:27 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	268875	17.428 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.716	572049	22.486 ng/ml
2) t 2,2,4-Trimethylpentane	7.428	772128	28.631 ng/ml
3) t n-Heptane	7.760	215006	8.617 ng/ml
4) t Benzene	7.897	303760	8.934 ng/ml
6) t Toluene	10.628	907927	25.391 ng/ml
7) t Ethylbenzene	13.063	271432	8.596 ng/ml
8) t m-Xylene	13.196	562603	17.153 ng/ml
9) t O-Xylene	13.923	538382	17.346 ng/ml
10) t 1,2,4-Trimethylbenzene	16.198	447008	16.906 ng/ml

(f)=RT Delta > 1/2 Window

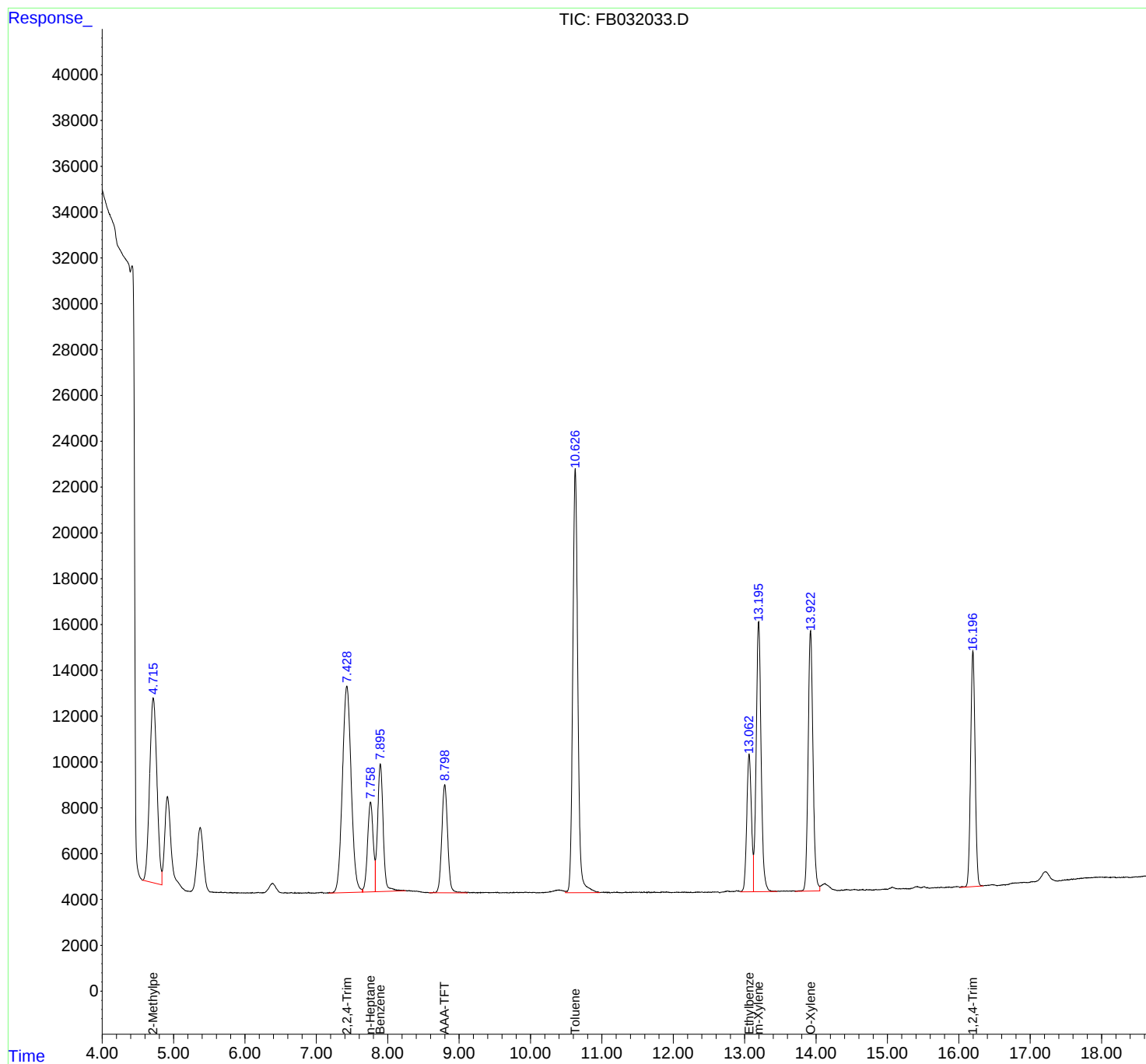
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB070925\
Data File : FB032033.D
Signal(s) : FID2B.CH
Acq On : 9 Jul 2025 8:12
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Jul 10 01:36:27 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\FB070925\
Data File : FB032033.D
Signal(s) : FID2B.CH
Acq On : 9 Jul 2025 8:12
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 26 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	4.716	4.559	4.838	BV	8067	572049	63.01%	11.773%
2	7.428	7.169	7.649	PV	9015	772128	85.04%	15.890%
3	7.760	7.649	7.826	VV	3921	215006	23.68%	4.425%
4	7.897	7.826	8.253	VB	5573	303760	33.46%	6.251%
5	8.799	8.579	9.116	BB	4722	268875	29.61%	5.533%
6	10.628	10.491	10.972	VV	18488	907927	100.00%	18.685%
7	13.063	12.944	13.124	VV	6011	271432	29.90%	5.586%
8	13.196	13.124	13.453	VV	11780	562603	61.97%	11.578%
9	13.923	13.704	14.052	PV	11347	538382	59.30%	11.080%
10	16.198	16.014	16.343	PV	10276	447008	49.23%	9.199%

Sum of corrected areas: 4859169

FB062325.M Thu Jul 10 02:48:15 2025

GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Alliane Contract: CAMP02
ProjectID: South River WM Replacement
Lab Code: ACE SDG No.: Q2514
DataFile: FB032044.D Analyst Name: YP/AJ Analyst Date: 07-09-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	4650509	25836	29754	13.168

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB070925\
 Data File : FB032044.D
 Signal(s) : FID2B.CH
 Acq On : 9 Jul 2025 15:30
 Operator : YP/AJ
 Sample : 20 PPB GRO STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_B
 ClientSampleId :
 20 PPB GRO STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/10/2025
 Supervised By :mohammad ahmed 07/11/2025

Integration File: Calibration.e
 Quant Time: Jul 10 03:24:03 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	8.801	312186	20.235 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.716	576886	22.676 ng/ml
2) t 2,2,4-Trimethylpentane	7.429	772820	28.657 ng/ml
3) t n-Heptane	7.761	220579	8.840 ng/ml
4) t Benzene	7.899	309327	9.098 ng/ml
6) t Toluene	10.630	920494	25.742 ng/ml
7) t Ethylbenzene	13.065	278524	8.820 ng/mlm
8) t m-Xylene	13.199	570548	17.395 ng/ml
9) t O-Xylene	13.925	542250	17.471 ng/mlm
10) t 1,2,4-Trimethylbenzene	16.202	459081	17.363 ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB070925\
Data File : FB032044.D
Signal(s) : FID2B.CH
Acq On : 9 Jul 2025 15:30
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

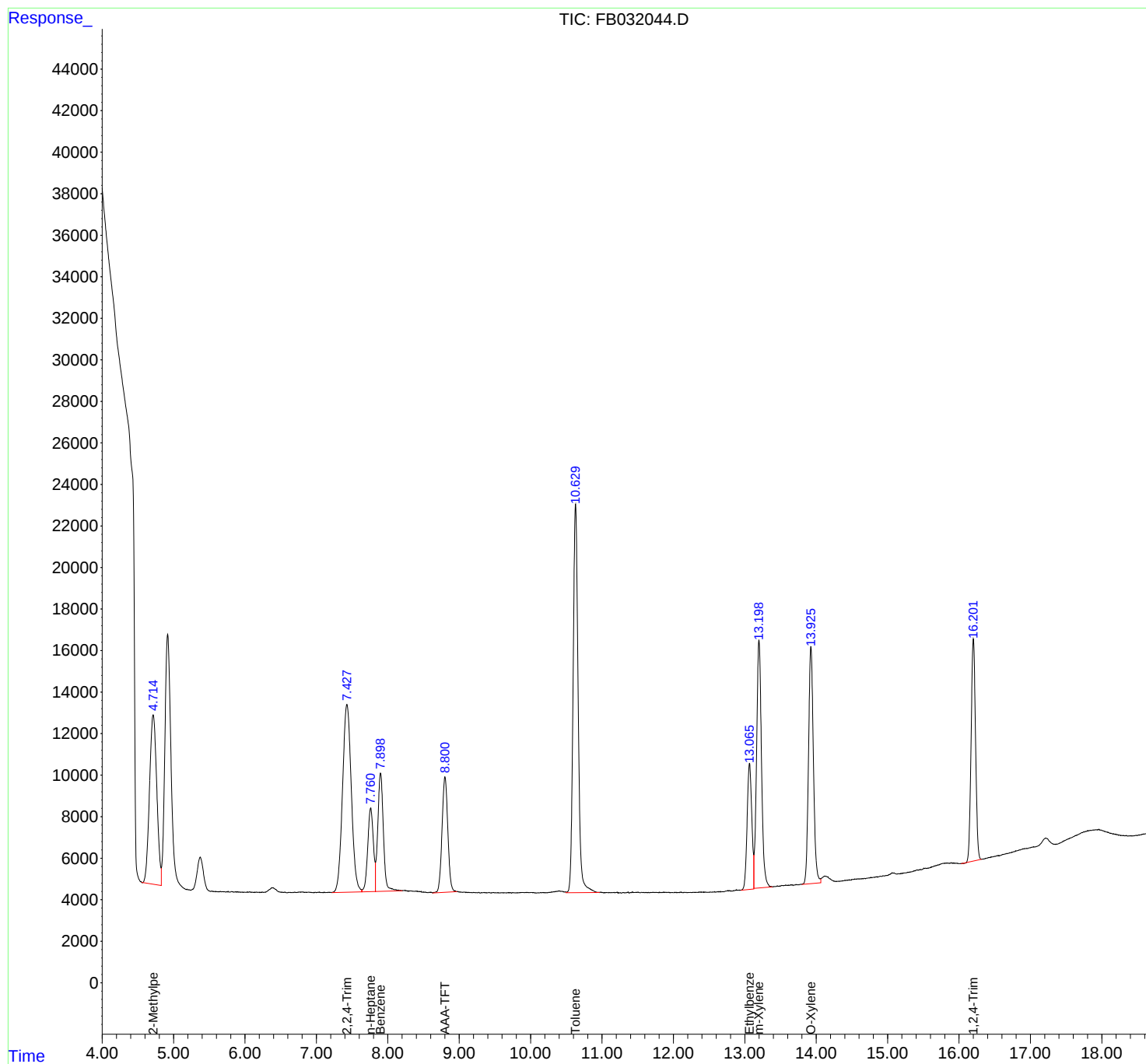
Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/10/2025
Supervised By :mohammad ahmed 07/11/2025

Integration File: Calibration.e
Quant Time: Jul 10 03:24:03 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

Instrument :

FID_B

LabSampleId :

20 PPB GRO STD

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/10/2025

Supervised By :mohammad ahmed 07/11/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB07092
Data File : FB032044.D
Signal(s) : FID2B.CH
Acq On : 9 Jul 2025 15:30
Sample : 20 PPB GRO STD
Misc :
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	4.716	4.554	4.828	BV	8159	576886	62.67%	11.656%
2	7.429	7.217	7.636	PV	9049	772820	83.96%	15.615%
3	7.761	7.636	7.828	VV	4032	220579	23.96%	4.457%
4	7.899	7.828	8.206	VV	5697	309327	33.60%	6.250%
5	8.801	8.628	8.971	PV	5561	312186	33.92%	6.308%
6	10.630	10.494	10.967	VV	18688	920494	100.00%	18.599%
7	13.066	12.459	13.127	BV	6042	263827	28.66%	5.331%
8	13.199	13.127	13.385	VV	11924	570548	61.98%	11.528%
9	13.926	13.385	14.062	PV	11418	543514	59.05%	10.982%
10	16.202	16.030	16.316	PV	10689	459081	49.87%	9.276%

Sum of corrected areas: 4949263

FB062325.M Thu Jul 10 03:25:17 2025

GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Alliane Contract: CAMP02
ProjectID: South River WM Replacement
Lab Code: ACE SDG No.: Q2514
DataFile: FB032058.D Analyst Name: YP/AJ Analyst Date: 07-09-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	4564441	25358	29754	14.774

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB070925\
 Data File : FB032058.D
 Signal(s) : FID2B.CH
 Acq On : 9 Jul 2025 22:10
 Operator : YP/AJ
 Sample : 20 PPB GRO STD
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 FID_B
 ClientSampleId :
 20 PPB GRO STD

Integration File: Calibration.e
 Quant Time: Jul 10 01:39:26 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	286855	18.593 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.713	571685	22.471 ng/ml
2) t 2,2,4-Trimethylpentane	7.430	758580	28.129 ng/ml
3) t n-Heptane	7.759	221884	8.893 ng/ml
4) t Benzene	7.898	304522	8.957 ng/ml
6) t Toluene	10.628	899231	25.148 ng/ml
7) t Ethylbenzene	13.064	268397	8.500 ng/ml
8) t m-Xylene	13.198	557039	16.983 ng/ml
9) t O-Xylene	13.925	533315	17.183 ng/ml
10) t 1,2,4-Trimethylbenzene	16.200	449788	17.011 ng/ml

(f)=RT Delta > 1/2 Window

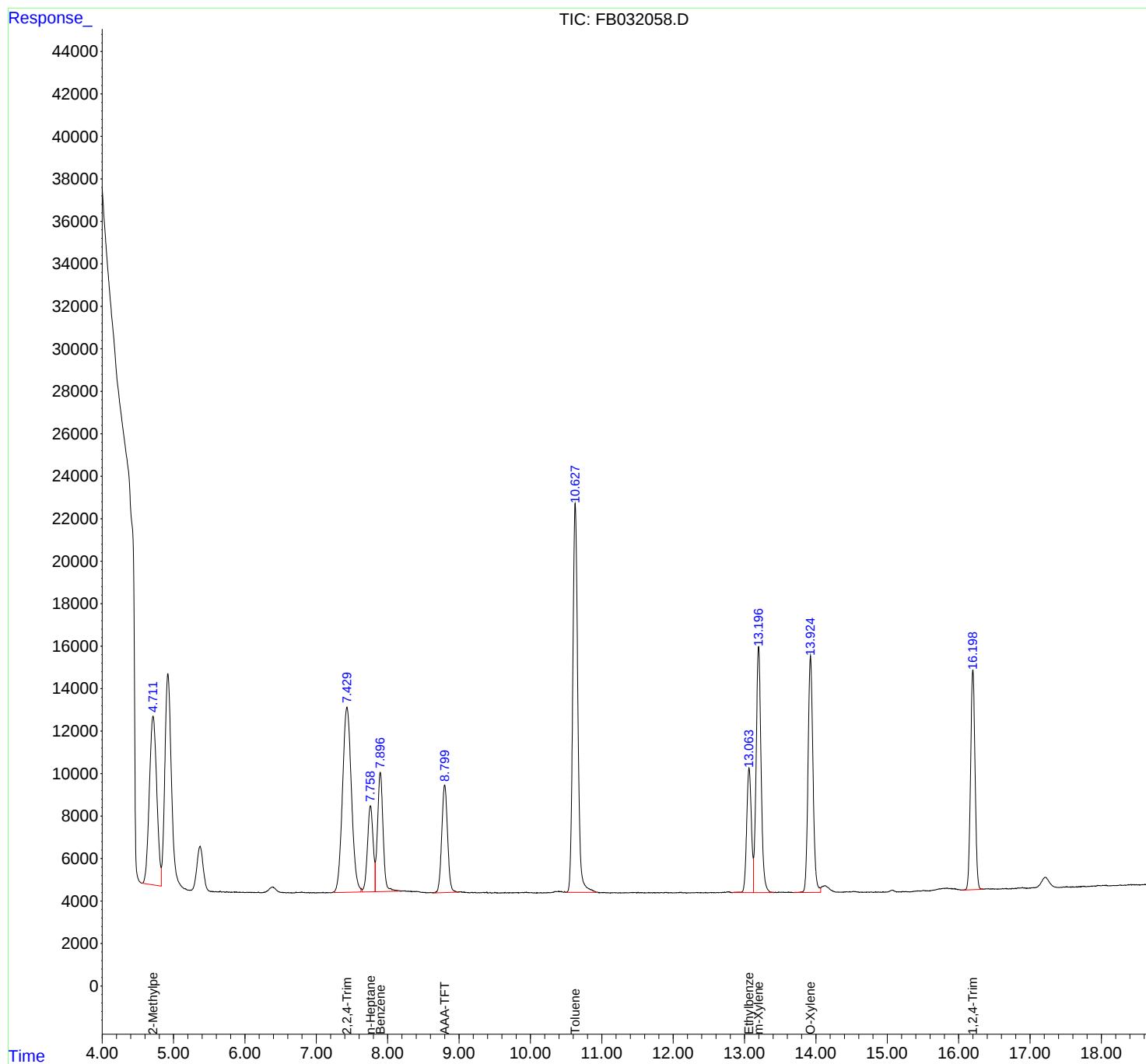
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB070925\
Data File : FB032058.D
Signal(s) : FID2B.CH
Acq On : 9 Jul 2025 22:10
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Jul 10 01:39:26 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\FB070925\
Data File : FB032058.D
Signal(s) : FID2B.CH
Acq On : 9 Jul 2025 22:10
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 21 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	4.713	4.554	4.828	BV	7948	571685	63.57%	11.784%
2	7.430	7.248	7.627	VV	8724	758580	84.36%	15.637%
3	7.759	7.643	7.826	VV	4058	221884	24.67%	4.574%
4	7.898	7.826	8.178	VV	5616	304522	33.86%	6.277%
5	8.799	8.631	8.996	PV	5069	286855	31.90%	5.913%
6	10.628	10.499	10.922	BV	18293	899231	100.00%	18.536%
7	13.064	12.826	13.126	BV	5868	268397	29.85%	5.532%
8	13.198	13.126	13.416	VV	11585	557039	61.95%	11.482%
9	13.925	13.686	14.067	BV	11136	533315	59.31%	10.993%
10	16.200	16.043	16.354	BV	10345	449788	50.02%	9.271%

Sum of corrected areas: 4851296

FB062325.M Thu Jul 10 02:18:05 2025

Analytical Sequence

Client: CDM Smith

SDG No.: Q2514

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	
CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE AND TIME ANALYZED	DATAFILE	RT	#
20 PPB GRO STD	20 PPB GRO STD	9 Jul 2025 8:12	FB032033.D	8.799	
VBF0709S1	VBF0709S1	9 Jul 2025 9:18	FB032034.D	8.798	
BSF0709S1	BSF0709S1	9 Jul 2025 10:13	FB032036.D	8.798	
BSF0709S2	BSF0709S2	9 Jul 2025 13:42	FB032043.D	8.799	
20 PPB GRO STD	20 PPB GRO STD	9 Jul 2025 15:30	FB032044.D	8.801	
TP-93	Q2514-02	9 Jul 2025 16:15	FB032045.D	8.801	
TP-92	Q2514-01	9 Jul 2025 16:42	FB032046.D	8.800	
TP-78	Q2514-08	9 Jul 2025 17:10	FB032047.D	8.802	
TP-36	Q2514-07	9 Jul 2025 17:37	FB032048.D	8.803	
TP-94	Q2514-03	9 Jul 2025 18:05	FB032049.D	8.801	
TP-96	Q2514-04	9 Jul 2025 18:32	FB032050.D	8.802	
TP-97	Q2514-05	9 Jul 2025 19:00	FB032051.D	8.800	
TP-103	Q2514-06	9 Jul 2025 19:27	FB032052.D	8.800	
TP-90	Q2514-10	9 Jul 2025 19:54	FB032053.D	8.802	
TP-81	Q2514-09	9 Jul 2025 20:21	FB032054.D	8.800	
20 PPB GRO STD	20 PPB GRO STD	9 Jul 2025 22:10	FB032058.D	8.799	



QC SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VBF0709S1	SDG No.:	Q2514
Lab Sample ID:	VBF0709S1	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
FB032034.D	1	07/09/25 9:18	FB070925

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	22.7		50 - 150	114%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB070925\
Data File : FB032034.D
Signal(s) : FID2B.CH
Acq On : 9 Jul 2025 9:18
Operator : YP/AJ
Sample : VBF0708S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0708S1

Integration File: Calibration.e
Quant Time: Jul 10 01:36:36 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	350833	22.740 ng/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

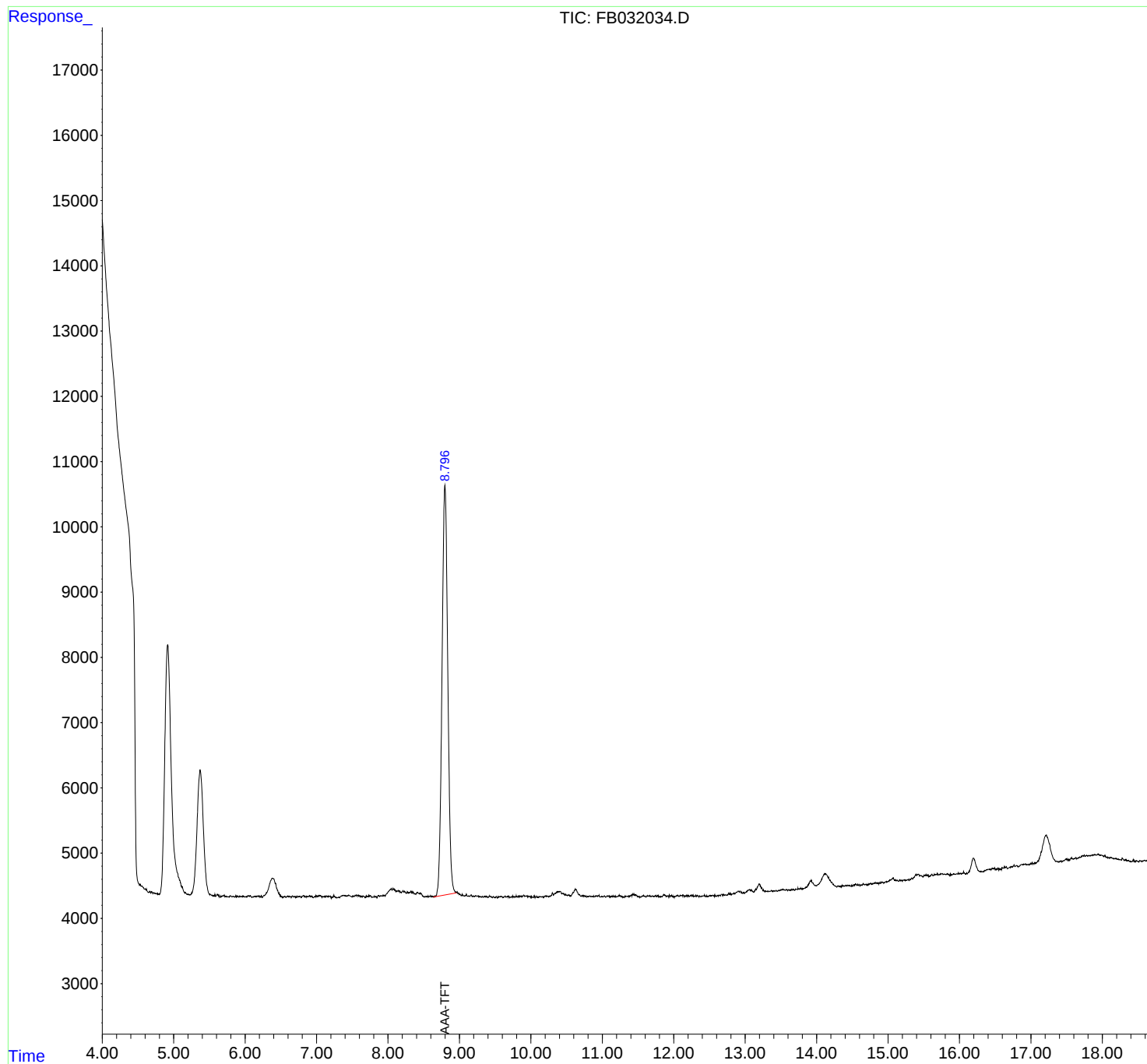
(m)=manual int.

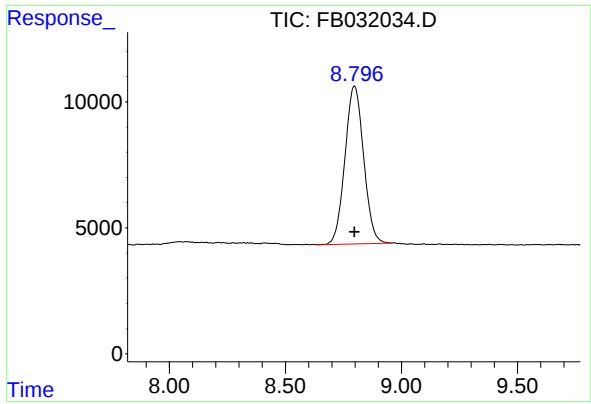
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB070925\
Data File : FB032034.D
Signal(s) : FID2B.CH
Acq On : 9 Jul 2025 9:18
Operator : YP/AJ
Sample : VBF0708S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0708S1

Integration File: Calibration.e
Quant Time: Jul 10 01:36:36 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: 350833
Conc: 22.74 ng/ml

Instrument :
FID_B
ClientSampleId :
VBF0708S1

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB070925\
Data File : FB032034.D
Signal(s) : FID2B.CH
Acq On : 9 Jul 2025 9:18
Sample : VBF0708S1
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	8.798	8.634	8.959	PV	6275	350833	100.00%	100.000%
Sum of corrected areas:							350833	

FB062325.M Thu Jul 10 02:15:12 2025

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	BSF0709S1	SDG No.:	Q2514
Lab Sample ID:	BSF0709S1	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
FB032036.D	1	07/09/25 10:13	FB070925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	151		8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	17.0		50 - 150	85%	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\FB070925\
 Data File : FB032036.D
 Signal(s) : FID2B.CH
 Acq On : 9 Jul 2025 10:13
 Operator : YP/AJ
 Sample : BSF0708S1
 Misc : 5.00G/5.00 ML DI WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 FID_B
 ClientSampleId :
 BSF0708S1

Integration File: Calibration.e
 Quant Time: Jul 10 01:36:50 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	262366	17.006 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.715	594982	23.387 ng/ml
2) t 2,2,4-Trimethylpentane	7.426	767788	28.470 ng/ml
3) t n-Heptane	7.758	219863	8.812 ng/ml
4) t Benzene	7.897	296152	8.711 ng/ml
6) t Toluene	10.627	876852	24.522 ng/ml
7) t Ethylbenzene	13.063	260158	8.239 ng/ml
8) t m-Xylene	13.196	542543	16.541 ng/ml
9) t O-Xylene	13.923	516445	16.639 ng/ml
10) t 1,2,4-Trimethylbenzene	16.198	423465	16.016 ng/ml

(f)=RT Delta > 1/2 Window

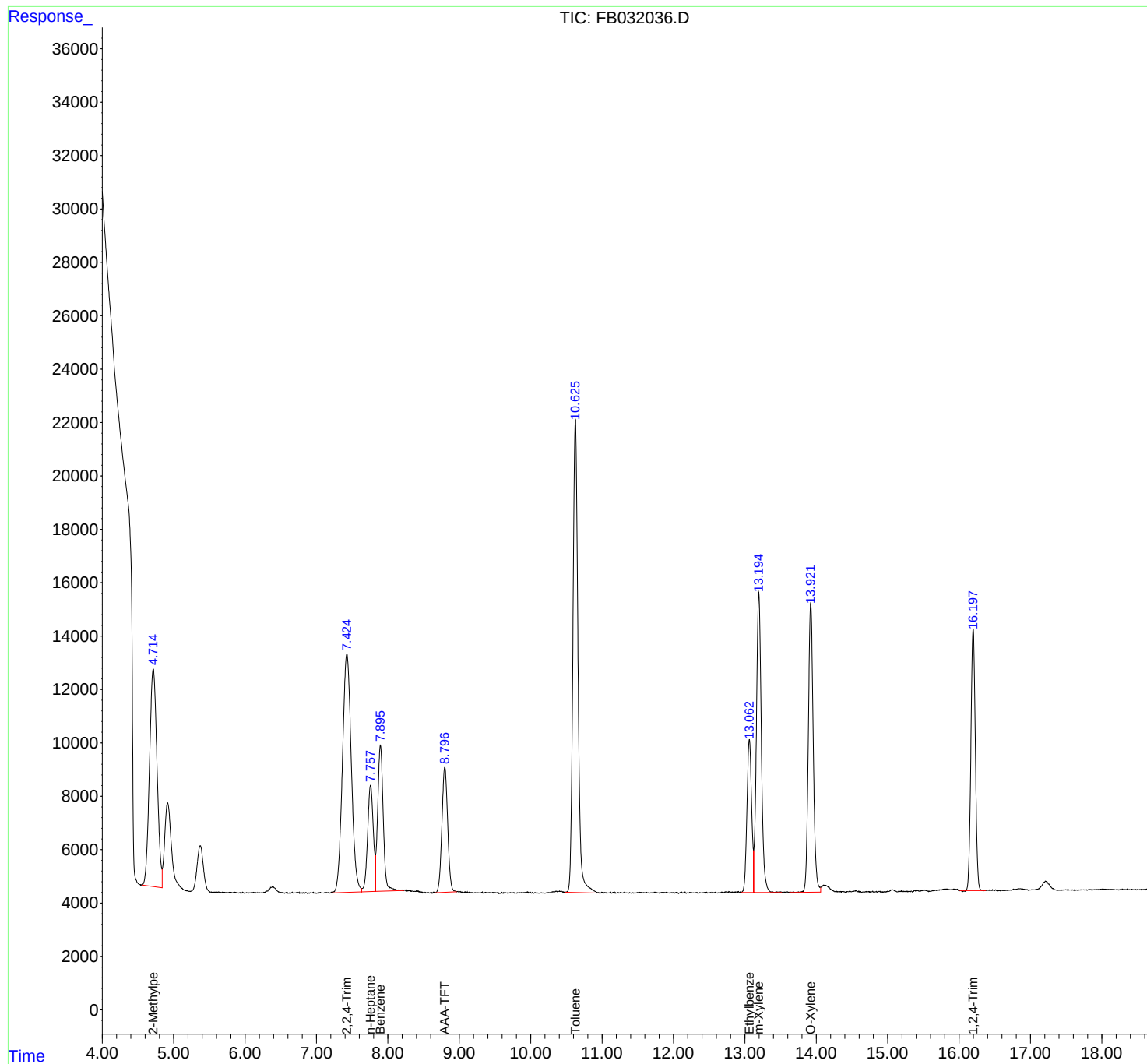
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB070925\
Data File : FB032036.D
Signal(s) : FID2B.CH
Acq On : 9 Jul 2025 10:13
Operator : YP/AJ
Sample : BSF0708S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0708S1

Integration File: Calibration.e
Quant Time: Jul 10 01:36:50 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\FB070925\
Data File : FB032036.D
Signal(s) : FID2B.CH
Acq On : 9 Jul 2025 10:13
Sample : BSF0708S1
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	4.559	4.840	BV	8151	594982	67.85%	12.498%
2	7.426	7.216	7.632	PV	8928	767788	87.56%	16.128%
3	7.758	7.632	7.826	VV	3978	219863	25.07%	4.618%
4	7.897	7.826	8.225	VV	5475	296152	33.77%	6.221%
5	8.798	8.662	8.965	PV	4681	262366	29.92%	5.511%
6	10.627	10.485	10.975	BV	17720	876852	100.00%	18.419%
7	13.063	12.957	13.124	BV	5730	260158	29.67%	5.465%
8	13.196	13.124	13.519	VV	11241	542543	61.87%	11.396%
9	13.923	13.625	14.062	BV	10818	516445	58.90%	10.848%
10	16.198	16.007	16.372	BV	9787	423465	48.29%	8.895%

Sum of corrected areas: 4760616

FB062325.M Thu Jul 10 02:16:04 2025

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	BSF0709S2	SDG No.:	Q2514
Lab Sample ID:	BSF0709S2	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
FB032043.D	1	07/09/25 13:42	FB070925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	149		8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	17.4		50 - 150	87%	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\FB070925\
 Data File : FB032043.D
 Signal(s) : FID2B.CH
 Acq On : 9 Jul 2025 13:42
 Operator : YP/AJ
 Sample : BSF0709S2
 Misc : 5.00G/5.00 ML DI WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_B
 ClientSampleId :
 BSF0709S2

Integration File: Calibration.e
 Quant Time: Jul 10 01:37:43 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	268158	17.381 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.712	579085	22.762 ng/ml
2) t 2,2,4-Trimethylpentane	7.428	753996	27.959 ng/ml
3) t n-Heptane	7.759	214602	8.601 ng/ml
4) t Benzene	7.897	294171	8.652 ng/ml
6) t Toluene	10.628	874772	24.464 ng/ml
7) t Ethylbenzene	13.064	255787	8.100 ng/ml
8) t m-Xylene	13.197	534333	16.291 ng/ml
9) t O-Xylene	13.925	514600	16.580 ng/ml
10) t 1,2,4-Trimethylbenzene	16.200	423181	16.005 ng/ml

(f)=RT Delta > 1/2 Window

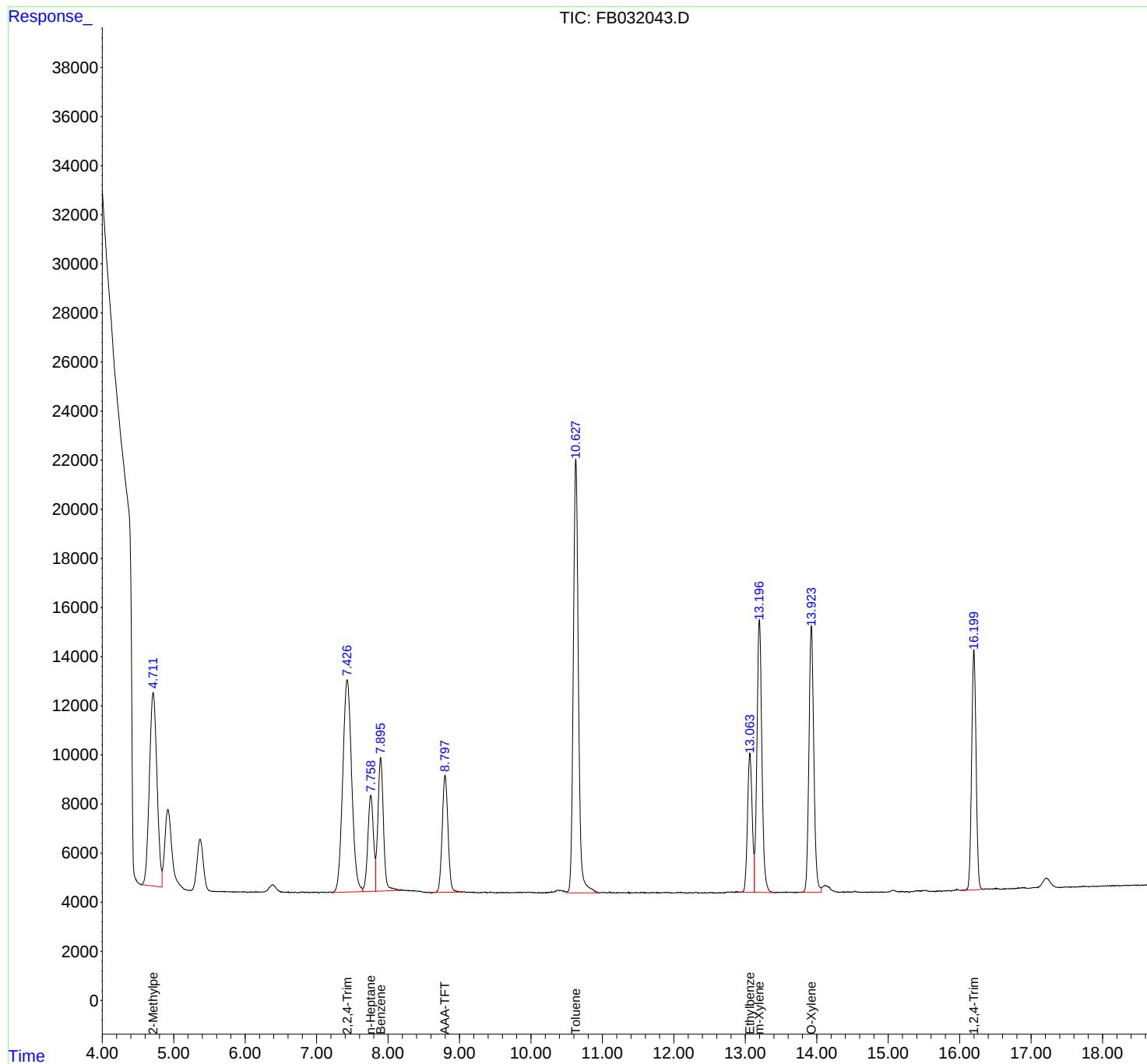
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB070925\
Data File : FB032043.D
Signal(s) : FID2B.CH
Acq On : 9 Jul 2025 13:42
Operator : YP/AJ
Sample : BSF0709S2
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0709S2

Integration File: Calibration.e
Quant Time: Jul 10 01:37:43 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\FB070925\
Data File : FB032043.D
Signal(s) : FID2B.CH
Acq On : 9 Jul 2025 13:42
Sample : BSF0709S2
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 11 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\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	4.712	4.546	4.838	BV	7881	579085	66.20%	12.288%
2	7.428	7.217	7.644	PV	8646	753996	86.19%	15.999%
3	7.759	7.644	7.825	VV	3914	214602	24.53%	4.554%
4	7.897	7.825	8.189	VV	5435	294171	33.63%	6.242%
5	8.799	8.579	9.046	BV	4765	268158	30.65%	5.690%
6	10.628	10.496	10.942	VV	17661	874772	100.00%	18.562%
7	13.064	12.923	13.126	BV	5663	255787	29.24%	5.428%
8	13.197	13.126	13.436	VV	11086	534333	61.08%	11.338%
9	13.925	13.750	14.065	BV	10835	514600	58.83%	10.919%
10	16.200	16.018	16.336	BV	9778	423181	48.38%	8.980%

Sum of corrected areas: 4712685

FB062325.M Thu Jul 10 02:16:35 2025

Manual Integration Report

Sample ID	ClientId ID	File ID	Sequence ID	Parameter	Supervised By	Supervised On	Reason
20 PPB GRO STD		FB032044.D	FB070925	Ethylbenzene	mohammad	7/11/2025 1:36:49 AM	Peak Integrated by Software incorrectly
20 PPB GRO STD		FB032044.D	FB070925	O-Xylene	mohammad	7/11/2025 1:36:49 AM	Peak Integrated by Software incorrectly
Q2514-06		FB032052.D	FB070925	AAA-TFT	mohammad	7/11/2025 1:36:49 AM	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 # FB070925

Review By	yogesh	Review On	7/9/2025 3:32:13 PM
Supervise By	mohammad	Supervise On	7/11/2025 1:36:50 AM
SubDirectory	FB070925	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	PP24705,PP24706,PP24707		
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	FB032033.D	9 Jul 2025 8:12	YP/AJ	Ok
2	VBF0709S1	FB032034.D	9 Jul 2025 9:18	YP/AJ	Ok
3	VBF0709S2	FB032035.D	9 Jul 2025 9:45	YP/AJ	Ok
4	BSF0709S1	FB032036.D	9 Jul 2025 10:13	YP/AJ	Ok
5	Q2487-09	FB032037.D	9 Jul 2025 10:58	YP/AJ	Ok
6	Q2487-10	FB032038.D	9 Jul 2025 11:26	YP/AJ	Ok
7	Q2487-11	FB032039.D	9 Jul 2025 11:53	YP/AJ	Ok
8	Q2487-12	FB032040.D	9 Jul 2025 12:20	YP/AJ	Ok
9	Q2487-13	FB032041.D	9 Jul 2025 12:48	YP/AJ	Not Ok
10	Q2487-14	FB032042.D	9 Jul 2025 13:15	YP/AJ	Not Ok
11	BSF0709S2	FB032043.D	9 Jul 2025 13:42	YP/AJ	Ok
12	20 PPB GRO STD	FB032044.D	9 Jul 2025 15:30	YP/AJ	Ok,M
13	Q2514-02	FB032045.D	9 Jul 2025 16:15	YP/AJ	Ok
14	Q2514-01	FB032046.D	9 Jul 2025 16:42	YP/AJ	Ok
15	Q2514-08	FB032047.D	9 Jul 2025 17:10	YP/AJ	Ok
16	Q2514-07	FB032048.D	9 Jul 2025 17:37	YP/AJ	Ok
17	Q2514-03	FB032049.D	9 Jul 2025 18:05	YP/AJ	Ok
18	Q2514-04	FB032050.D	9 Jul 2025 18:32	YP/AJ	Ok
19	Q2514-05	FB032051.D	9 Jul 2025 19:00	YP/AJ	Ok
20	Q2514-06	FB032052.D	9 Jul 2025 19:27	YP/AJ	Ok,M
21	Q2514-10	FB032053.D	9 Jul 2025 19:54	YP/AJ	Ok

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QC Batch ID # FB070925

Review By	yogesh	Review On	7/9/2025 3:32:13 PM
Supervise By	mohammad	Supervise On	7/11/2025 1:36:50 AM
SubDirectory	FB070925	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	PP24705,PP24706,PP24707		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24111,PP24662		

22	Q2514-09	FB032054.D	9 Jul 2025 20:21	YP/AJ	Ok
23	Q2487-13	FB032055.D	9 Jul 2025 20:49	YP/AJ	Ok
24	Q2487-14	FB032056.D	9 Jul 2025 21:16	YP/AJ	Ok
25	BSF0709S3	FB032057.D	9 Jul 2025 21:43	YP/AJ	Ok
26	20 PPB GRO STD	FB032058.D	9 Jul 2025 22:10	YP/AJ	Ok

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 # FB070925

Review By	yogesh	Review On	7/9/2025 3:32:13 PM
Supervise By	mohammad	Supervise On	7/11/2025 1:36:50 AM
SubDirectory	FB070925	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	PP24705,PP24706,PP24707 PP24111,PP24662

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	20 PPB GRO STD		FB032033.D	9 Jul 2025 8:12		YP/AJ	Ok
2	VBF0709S1		FB032034.D	9 Jul 2025 9:18		YP/AJ	Ok
3	VBF0709S2		FB032035.D	9 Jul 2025 9:45		YP/AJ	Ok
4	BSF0709S1		FB032036.D	9 Jul 2025 10:13		YP/AJ	Ok
5	Q2487-09		FB032037.D	9 Jul 2025 10:58	Vial -C	YP/AJ	Ok
6	Q2487-10		FB032038.D	9 Jul 2025 11:26	Vial -C	YP/AJ	Ok
7	Q2487-11		FB032039.D	9 Jul 2025 11:53	Vial -C	YP/AJ	Ok
8	Q2487-12		FB032040.D	9 Jul 2025 12:20	Vial-B	YP/AJ	Ok
9	Q2487-13		FB032041.D	9 Jul 2025 12:48	Vial-B, not perged	YP/AJ	Not Ok
10	Q2487-14		FB032042.D	9 Jul 2025 13:15	Vial-B, Not Purged	YP/AJ	Not Ok
11	BSF0709S2		FB032043.D	9 Jul 2025 13:42		YP/AJ	Ok
12	20 PPB GRO STD		FB032044.D	9 Jul 2025 15:30		YP/AJ	Ok,M
13	Q2514-02		FB032045.D	9 Jul 2025 16:15	Vial-B	YP/AJ	Ok
14	Q2514-01		FB032046.D	9 Jul 2025 16:42	Vial-B	YP/AJ	Ok
15	Q2514-08		FB032047.D	9 Jul 2025 17:10	Vial-A	YP/AJ	Ok
16	Q2514-07		FB032048.D	9 Jul 2025 17:37	Vial-A	YP/AJ	Ok
17	Q2514-03		FB032049.D	9 Jul 2025 18:05	Vial-B	YP/AJ	Ok
18	Q2514-04		FB032050.D	9 Jul 2025 18:32	Vial-B	YP/AJ	Ok

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QC Batch ID # FB070925

Review By	yogesh	Review On	7/9/2025 3:32:13 PM
Supervise By	mohammad	Supervise On	7/11/2025 1:36:50 AM
SubDirectory	FB070925	HP Acquire Method	HP Processing Method
			FB062325
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24110,PP24656,PP24658,PP24659,PP24660,PP24661		
CCC	PP24705,PP24706,PP24707		
Internal Standard/PEM			
ICV/I.BLK	PP24111,PP24662		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	Q2514-05		FB032051.D	9 Jul 2025 19:00	Vial-B	YP/AJ	Ok
20	Q2514-06		FB032052.D	9 Jul 2025 19:27	Vial-A	YP/AJ	Ok,M
21	Q2514-10		FB032053.D	9 Jul 2025 19:54	Vial-A	YP/AJ	Ok
22	Q2514-09		FB032054.D	9 Jul 2025 20:21	Vial-A	YP/AJ	Ok
23	Q2487-13		FB032055.D	9 Jul 2025 20:49	Vial -C	YP/AJ	Ok
24	Q2487-14		FB032056.D	9 Jul 2025 21:16	Vial -C	YP/AJ	Ok
25	BSF0709S3		FB032057.D	9 Jul 2025 21:43		YP/AJ	Ok
26	20 PPB GRO STD		FB032058.D	9 Jul 2025 22:10		YP/AJ	Ok

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/7/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:30
In Date: 07/03/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:37
Out Date: 07/04/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136368

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
Q2487-01	G4 (1.5)	1	1.15	10.21	11.36	10.14	88.1	
Q2487-02	G4 (10)	2	1.19	10.38	11.57	8.76	72.9	
Q2487-03	G3 (9)	3	1.15	10.66	11.81	7.38	58.4	
Q2487-04	G3 (3)	4	1.15	10.80	11.95	10.8	89.4	
Q2487-05	G2 (2.5)	5	1.17	10.00	11.17	10.48	93.1	
Q2487-06	G2 (9)	6	1.16	10.26	11.42	8.00	66.7	
Q2487-07	G1 (4.5)	7	1.19	10.11	11.3	7.8	65.4	
Q2487-08	G1 (10)	8	1.16	9.96	11.12	6.65	55.1	
Q2487-09	G4 (0-6)	9	1.18	10.26	11.44	10.12	87.1	
Q2487-10	G4 (6-12)	10	1.16	10.14	11.3	8.52	72.6	
Q2487-11	G3 (0-6)	11	1.18	10.42	11.6	10.68	91.2	
Q2487-12	G3 (6-12)	12	1.18	10.41	11.59	8.49	70.2	
Q2487-13	G2 (0-6)	13	1.17	9.95	11.12	10.11	89.8	
Q2487-14	G2 (6-12)	14	1.16	10.68	11.84	8.39	67.7	
Q2487-15	G1 (0-6)	15	1.17	10.55	11.72	9.68	80.7	
Q2487-16	G1 (6-12)	16	1.13	10.24	11.37	10.68	93.3	
Q2501-05	SVOC-GPC-BLANK	17	1.00	1.00	2.00	2.00	100.0	
Q2501-06	PEST-GPC-BLANK	18	1.00	1.00	2.00	2.00	100.0	
Q2501-07	PEST-GPC-BLANK-SPIKE	19	1.00	1.00	2.00	2.00	100.0	
Q2501-08	PCB-GPC-BLANK	20	1.00	1.00	2.00	2.00	100.0	
Q2501-09	PCB-GPC-BLANK-SPIKE	21	1.00	1.00	2.00	2.00	100.0	
Q2501-10	SVOC-GPC-BLANK	22	1.00	1.00	2.00	2.00	100.0	
Q2501-11	PEST-GPC-BLANK	23	1.00	1.00	2.00	2.00	100.0	
Q2501-12	PEST-GPC-BLANK-SPIKE	24	1.00	1.00	2.00	2.00	100.0	
Q2501-13	PCB-GPC2-BLANK	25	1.00	1.00	2.00	2.00	100.0	
Q2501-14	PCB-GPC2-BLANK-SPIKE	26	1.00	1.00	2.00	2.00	100.0	
Q2503-03	GCAP2	27	1.18	10.65	11.83	8.76	71.2	
Q2503-04	GCAP3	28	1.18	10.64	11.82	8.16	65.6	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/7/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:30
In Date: 07/03/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:37
Out Date: 07/04/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136368

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
Q2503-05	GCAP2A	29	1.18	10.30	11.48	9.11	77.0	
Q2504-01	WASTE	30	1.14	10.73	11.87	10.16	84.1	
Q2504-02	VOC	31	1.18	10.81	11.99	10.45	85.8	
Q2504-03	1	32	1.14	10.84	11.98	10.36	85.1	
Q2504-04	2	33	1.19	10.41	11.6	9.91	83.8	
Q2504-05	3	34	1.13	10.75	11.88	10.22	84.6	
Q2504-06	4	35	1.14	10.52	11.66	10.03	84.5	
Q2504-07	5	36	1.12	10.87	11.99	10.16	83.2	
Q2505-01	#62825	37	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2505-02	#62525	38	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2505-03	#2008	39	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2507-01	SU-04-7.3-2025	40	1.17	10.26	11.43	10.1	87.0	
Q2507-02	SU-04-7.3-2025-EPH	41	1.18	10.30	11.48	9.99	85.5	
Q2507-03	SU-04-7.3-2025-VOC	42	1.13	10.45	11.58	9.95	84.4	
Q2508-01	AUD-25-0105	43	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2508-02	AUD-25-0106	44	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2508-03	AUD-25-0107	45	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2509-02	AUD-25-0112	46	1.00	1.00	2.00	2.00	100.0	oilly-debris
Q2510-01	#63025-A	47	1.15	11.63	12.78	10.79	82.9	
Q2510-02	#63025-A-VOC	48	1.18	10.19	11.37	9.86	85.2	
Q2513-01	HR-2-070325	49	1.18	9.89	11.07	10.51	94.3	
Q2513-02	HR-2-070325-E2	50	1.18	10.25	11.43	10.68	92.7	
Q2513-03	HR-3-070325	51	1.18	10.27	11.45	10.88	94.4	
Q2513-04	HR-3-070325-E2	52	1.14	10.67	11.81	11.23	94.6	
Q2514-01	TP-92	53	1.14	10.78	11.92	10.56	87.4	
Q2514-02	TP-93	54	1.19	10.71	11.9	10.58	87.7	
Q2514-03	TP-94	55	1.13	10.86	11.99	10.7	88.1	
Q2514-04	TP-96	56	1.14	11.10	12.24	10.66	85.8	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/7/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:30
In Date: 07/03/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:37
Out Date: 07/04/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136368

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
Q2514-05	TP-97	57	1.16	10.02	11.18	9.68	85.0	
Q2514-06	TP-103	58	1.18	10.22	11.4	10.02	86.5	
Q2514-07	TP-36	59	1.15	10.78	11.93	10.88	90.3	
Q2514-08	TP-78	60	1.13	9.99	11.12	9.75	86.3	
Q2514-09	TP-81	61	1.16	10.50	11.66	10.22	86.3	
Q2514-10	TP-90	62	1.18	10.43	11.61	10.73	91.6	
Q2515-01	wc-1	63	1.15	10.31	11.46	10.17	87.5	

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

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-070325

WorkList ID : 190533

Department : Wet-Chemistry

Date : 07-03-2025 08:34:29

136368

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2487-01	G4(1.5)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-02	G4(10)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-03	G3(9)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-04	G3(3)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-05	G2(2.5)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-06	G2(9)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-07	G1(4.5)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-08	G1(10)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-09	G4(0-6)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-10	G4(6-12)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-11	G3(0-6)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-12	G3(6-12)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-13	G2(0-6)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-14	G2(6-12)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-15	G1(0-6)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-16	G1(6-12)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2501-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO
Q2501-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO
Q2501-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO
Q2501-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO
Q2501-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO

Date/Time 07/03/25 15:15

Raw Sample Received by: JDC

Raw Sample Relinquished by: JDC

Date/Time 07/03/25

Raw Sample Received by: JDC

Raw Sample Relinquished by: JDC

WORKLIST(Hardcopy Internal Chain)

136368

WorkList Name : %1-070325

WorkList ID : 190533

Department : Wet-Chemistry

Date : 07-03-2025 08:34:29

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2501-10	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO
Q2501-11	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO
Q2501-12	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO
Q2501-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO
Q2501-14	PCB-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO
Q2503-03	GCAP2	Solid	Percent Solids	Cool 4 deg C	GENV01	O11	06/27/2025	Chemtech -SO
Q2503-04	GCAP3	Solid	Percent Solids	Cool 4 deg C	GENV01	O11	07/02/2025	Chemtech -SO
Q2503-05	GCAP2A	Solid	Percent Solids	Cool 4 deg C	GENV01	O11	07/02/2025	Chemtech -SO
Q2504-01	WASTE	Solid	Percent Solids	Cool 4 deg C	SCIA01	O12	07/02/2025	Chemtech -SO
Q2504-02	VOC	Solid	Percent Solids	Cool 4 deg C	SCIA01	O12	07/02/2025	Chemtech -SO
Q2504-03	1	Solid	Percent Solids	Cool 4 deg C	SCIA01	O12	07/02/2025	Chemtech -SO
Q2504-04	2	Solid	Percent Solids	Cool 4 deg C	SCIA01	O12	07/02/2025	Chemtech -SO
Q2504-05	3	Solid	Percent Solids	Cool 4 deg C	SCIA01	O12	07/02/2025	Chemtech -SO
Q2504-06	4	Solid	Percent Solids	Cool 4 deg C	SCIA01	O12	07/02/2025	Chemtech -SO
Q2504-07	5	Solid	Percent Solids	Cool 4 deg C	SCIA01	O12	07/02/2025	Chemtech -SO
Q2505-01	#62825	Solid	Percent Solids	Cool 4 deg C	PSEG03	O13	07/03/2025	Chemtech -SO
Q2505-02	#62525	Solid	Percent Solids	Cool 4 deg C	PSEG03	O13	07/03/2025	Chemtech -SO
Q2505-03	#2008	Solid	Percent Solids	Cool 4 deg C	PSEG03	O13	07/03/2025	Chemtech -SO
Q2507-01	SU-04-7.3-2025	Solid	Percent Solids	Cool 4 deg C	PSEG03	O12	07/04/2025	Chemtech -SO
Q2507-02	SU-04-7.3-2025-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	O12	07/04/2025	Chemtech -SO
Q2507-03	SU-04-7.3-2025-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	O12	07/04/2025	Chemtech -SO

Date/Time 07/03/25 15:15
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

Date/Time 07/03/25 17:15
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

136368

WorkList Name : %1-070325

WorkList ID : 190533

Department : Wet-Chemistry

Date : 07-03-2025 08:34:29

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2508-01	AUD-25-0105	Solid	Percent Solids	Cool 4 deg C	PSEG03	O11	07/03/2025	Chemtech -SO
Q2508-02	AUD-25-0106	Solid	Percent Solids	Cool 4 deg C	PSEG03	O11	07/03/2025	Chemtech -SO
Q2508-03	AUD-25-0107	Solid	Percent Solids	Cool 4 deg C	PSEG03	O11	07/03/2025	Chemtech -SO
Q2509-02	AUD-25-0112	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/03/2025	Chemtech -SO
Q2510-01	#63025-A	Solid	Percent Solids	Cool 4 deg C	PSEG05	O22	07/03/2025	Chemtech -SO
Q2510-02	#63025-A-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG05	O22	07/03/2025	Chemtech -SO
Q2513-01	HR-2-070325	Solid	Percent Solids	Cool 4 deg C	PSEG05	O21	07/03/2025	Chemtech -SO
Q2513-02	HR-2-070325-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	O21	07/03/2025	Chemtech -SO
Q2513-03	HR-3-070325	Solid	Percent Solids	Cool 4 deg C	PSEG05	O21	07/03/2025	Chemtech -SO
Q2513-04	HR-3-070325-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	O21	07/03/2025	Chemtech -SO
Q2514-01	TP-92	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/02/2025	Chemtech -SO
Q2514-02	TP-93	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/02/2025	Chemtech -SO
Q2514-03	TP-94	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/02/2025	Chemtech -SO
Q2514-04	TP-96	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/02/2025	Chemtech -SO
Q2514-05	TP-97	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/02/2025	Chemtech -SO
Q2514-06	TP-103	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/02/2025	Chemtech -SO
Q2514-07	TP-36	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/02/2025	Chemtech -SO
Q2514-08	TP-78	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/03/2025	Chemtech -SO
Q2514-09	TP-81	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/03/2025	Chemtech -SO
Q2514-10	TP-90	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/03/2025	Chemtech -SO
Q2515-01	wc-1	Solid	Percent Solids	Cool 4 deg C	ENVO01	O23	07/03/2025	Chemtech -SO

Date/Time 07/03/25 1515
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

Date/Time

07/03/25

Raw Sample Received by:

[Signature]

Raw Sample Relinquished by:

[Signature]



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:

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

CLIENT PROJECT INFORMATION

PROJECT NAME: **SOUTH RIVER WM REPLACEMENT**
PROJECT NO.: **302781** LOCATION: **SOUTH RIVER NJ**
PROJECT MANAGER: **FELIPE CONTRERAS**
e-mail: **ENCINASMA@CDMSMITH.COM**
PHONE: **7325904679** FAX:

CLIENT BILLING INFORMATION

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

ANALYSIS

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

1. TEL VOL
2. TEL SVOL
3. PCBs
4. TAL METALS
5. PESTICIDES
6. HERBICIDES
7. DRUGS
8. GRS
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-92	5		X	7/2/25	0800	5	X	X	X	X	X	X	X	X		E
2.	TP-93	5		X	7/2/25	0830	6	X	X	X	X	X	X	X	X		E
3.	TP-94	5		X	7/2/25	1035	6	X	X	X	X	X	X	X	X		E
4.	TP-96	5		X	7/2/25	1125	6	X	X	X	X	X	X	X	X		E
5.	TP-97	5		X	7/2/25	1215	6	X	X	X	X	X	X	X	X		E
6.	TP-103	5		X	7/2/25	1345	6	X	X	X	X	X	X	X	X		E
7.	TP-3C	5		X	7/3/25	0820	6	X	X	X	X	X	X	X	X		E
8.	TP-78	5		X	7/3/25	0855	6	X	X	X	X	X	X	X	X		E
9.	TP-81	5		X	7/3/25	1000	6	X	X	X	X	X	X	X	X		E
10.	TP-90	5		X	7/3/25	1250	6	X	X	X	X	X	X	X	X		E

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

RELINQUISHED BY SAMPLER: 1. <i>[Signature]</i>	DATE/TIME: 7/3/25 1315	RECEIVED BY: 1. <i>[Signature]</i>	1315 7-3-25	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.9 °C
RELINQUISHED BY SAMPLER: 2. <i>[Signature]</i>	DATE/TIME:	RECEIVED BY: 2. <i>[Signature]</i>		Comments:
RELINQUISHED BY SAMPLER: 3. <i>[Signature]</i>	DATE/TIME: 1412 7-3-25	RECEIVED BY: 3. <i>[Signature]</i>		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 : Q2514	CAMP02	Order Date : 7/3/2025 1:29:00 PM	Project Mgr :
Client Name : CDM Smith		Project Name : South River WM Replacem	Report Type : Level 2
Client Contact : Marcie Ann Encinas		Receive DateTime : 7/3/2025 3:00:00 PM	EDD Type : EXCEL NOCLEANUP
Invoice Name : CDM Smith		Purchase Order : 1472 AP	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
Q2514-01	TP-92	Solid	07/02/2025	08:00	VOC-TCLVOA-10		8260D		10 Bus. Days
Q2514-02	TP-93	Solid	07/02/2025	08:30	VOC-TCLVOA-10		8260D		10 Bus. Days
Q2514-03	TP-94	Solid	07/02/2025	10:35	VOC-TCLVOA-10		8260D		10 Bus. Days
Q2514-04	TP-96	Solid	07/02/2025	11:25	VOC-TCLVOA-10		8260D		10 Bus. Days
Q2514-05	TP-97	Solid	07/02/2025	12:15	VOC-TCLVOA-10		8260D		10 Bus. Days
Q2514-06	TP-103	Solid	07/02/2025	13:45	VOC-TCLVOA-10		8260D		10 Bus. Days
Q2514-07	TP-36	Solid	07/03/2025	08:20	VOC-TCLVOA-10		8260D		10 Bus. Days
Q2514-08	TP-78	Solid	07/03/2025	08:55	VOC-TCLVOA-10		8260D		10 Bus. Days

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2514	CAMP02	Order Date : 7/3/2025 1:29:00 PM	Project Mgr :
Client Name : CDM Smith		Project Name : South River WM Replacem	Report Type : Level 2
Client Contact : Marcie Ann Encinas		Receive DateTime : 7/3/2025 2:00:00 PM	EDD Type : EXCEL NOCLEANUP
Invoice Name : CDM Smith		Purchase Order : 1412 d1	Hard Copy Date :
Invoice Contact : Marcie Ann Encinas			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2514-09	TP-81	Solid	07/03/2025	10:00					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2514-10	TP-90	Solid	07/03/2025	12:50					
					VOC-TCLVOA-10		8260D	10 Bus. Days	

Relinquished By : [Signature]

Date / Time : 7/3/25 1430

Received By : [Signature]

Date / Time : 07/03/25 14:30

Storage Area : VOA Refridgerator Room