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Cover Page

Order ID : Q2436

Project ID : South River WM Replacement

Client : CDM Smith

Lab Sample Number	Client Sample Number
Q2436-01	TP-70
Q2436-02	TP-69
Q2436-03	TP-85
Q2436-04	TP-86
Q2436-05	TP-84
Q2436-06	TP-83
Q2436-07	TP-87
Q2436-08	TP-100
Q2436-09	TP-99
Q2436-10	TP-82

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: 7/4/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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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 is 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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q2436**

	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:** **07/04/2025**

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LAB CHRONICLE

OrderID:	Q2436	**OrderDate:**	6/26/2025 3:41:00 PM
Client:	CDM Smith	**Project:**	South River WM Replacement
Contact:	Marcie Ann Encinas	**Location:**	D51,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2436-01	**TP-70**	**SOIL**			**06/25/25**			**06/26/25**
			Diesel Range Organics	8015D		06/30/25	06/30/25	
			Gasoline Range Organics	8015D			06/27/25	
			PCB	8082A		06/27/25	06/27/25	
			Pesticide-TCL	8081B		06/27/25	06/28/25	
Q2436-02	**TP-69**	**SOIL**			**06/25/25**			**06/26/25**
			Diesel Range Organics	8015D		06/30/25	06/30/25	
			Gasoline Range Organics	8015D			06/27/25	
			PCB	8082A		06/27/25	06/27/25	
			Pesticide-TCL	8081B		06/27/25	06/28/25	
Q2436-03	**TP-85**	**SOIL**			**06/25/25**			**06/26/25**
			Diesel Range Organics	8015D		06/30/25	06/30/25	
			Gasoline Range Organics	8015D			06/27/25	
			PCB	8082A		06/27/25	06/27/25	
			Pesticide-TCL	8081B		06/27/25	06/28/25	
Q2436-04	**TP-86**	**SOIL**			**06/25/25**			**06/26/25**
			Diesel Range Organics	8015D		06/30/25	06/30/25	
			Gasoline Range Organics	8015D			06/30/25	
			PCB	8082A		06/27/25	06/27/25	
			Pesticide-TCL	8081B		06/27/25	06/28/25	
Q2436-05	**TP-84**	**SOIL**			**06/25/25**			**06/26/25**
			Diesel Range Organics	8015D		06/30/25	06/30/25	
			Gasoline Range Organics	8015D			06/27/25	
			PCB	8082A		06/27/25	06/27/25	
			Pesticide-TCL	8081B		06/27/25	06/28/25	
Q2436-06	**TP-83**	**SOIL**			**06/25/25**			**06/26/25**
			Diesel Range Organics	8015D		06/30/25	06/30/25	

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LAB CHRONICLE

			Gasoline Range Organics	8015D		06/27/25	
			PCB	8082A	06/27/25	06/27/25	
			Pesticide-TCL	8081B	06/27/25	06/28/25	
Q2436-07	**TP-87**	**SOIL**			**06/26/25**		**06/26/25**
			Diesel Range Organics	8015D	06/30/25	06/30/25	
			Gasoline Range Organics	8015D		06/30/25	
			PCB	8082A	06/27/25	06/27/25	
			Pesticide-TCL	8081B	06/27/25	06/28/25	
Q2436-08	**TP-100**	**SOIL**			**06/26/25**		**06/26/25**
			Diesel Range Organics	8015D	06/30/25	06/30/25	
			Gasoline Range Organics	8015D		06/27/25	
			PCB	8082A	06/27/25	06/27/25	
			Pesticide-TCL	8081B	06/27/25	06/28/25	
Q2436-09	**TP-99**	**SOIL**			**06/26/25**		**06/26/25**
			Diesel Range Organics	8015D	06/30/25	06/30/25	
			Gasoline Range Organics	8015D		06/27/25	
			PCB	8082A	06/27/25	06/27/25	
			Pesticide-TCL	8081B	06/27/25	06/28/25	
Q2436-10	**TP-82**	**SOIL**			**06/26/25**		**06/26/25**
			Diesel Range Organics	8015D	06/30/25	07/01/25	
			Gasoline Range Organics	8015D		06/30/25	
			PCB	8082A	06/27/25	06/27/25	
			Pesticide-TCL	8081B	06/27/25	06/28/25	

QC SUMMARY

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SOIL GASOLINE RANGE ORGANICS SURROGATE RECOVERY

Lab Name: Chemtech Client: CDM Smith

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG No.: Q2436

EPA SAMPLE NO.	S1 AAA-TFT	S2	S3	S4	TOT OUT
VBF0627S1	76				0
BSF0627S1	84				0
TP-70	71				0
TP-85	78				0
TP-84	68				0
TP-83	70				0
TP-100	76				0
TP-99	78				0
TP-69	78				0
BSF0627S3	88				0
VBF0630S1	80				0
VBF0630S2	85				0
BSF0630S1	86				0
TP-87	74				0
TP-82	85				0
TP-86	123				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

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

Lab Name: Chemtech **Client:** CDM Smith

Lab Code: CHEM **Cas No:** Q2436 **SAS No :** Q2436 **SDG No:** Q2436

Matrix Spike - EPA Sample No : BSF0627S1 **Datafile:** FB031948.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS
GRO	180	0	154	86	50-150

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

Lab Name: Chemtech **Client:** CDM Smith

Lab Code: CHEM **Cas No:** Q2436 **SAS No :** Q2436 **SDG No:** Q2436

Matrix Spike - EPA Sample No : BSF0627S3 **Datafile:** FB031962.D

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

LCS/LCSD % Recovery RPD : 1.3

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

Lab Name: Chemtech **Client:** CDM Smith

Lab Code: CHEM **Cas No:** Q2436 **SAS No :** Q2436 **SDG No:** Q2436

Matrix Spike - EPA Sample No : BSF0630S1 **Datafile:** FB031967.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS
GRO	180	0	168	93	50-150

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METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBF0627S1

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

Lab File ID: FB031946.D Lab Sample ID: VBF0627S1

Date Analyzed: 06/27/25 Time Analyzed: 10:24

GC Column: RTX-502.2 ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: FB

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSF0627S1	BSF0627S1	FB031948.D	06/27/25
TP-70	Q2436-01	FB031949.D	06/27/25
TP-85	Q2436-03	FB031951.D	06/27/25
TP-84	Q2436-05	FB031953.D	06/27/25
TP-83	Q2436-06	FB031956.D	06/27/25
TP-100	Q2436-08	FB031958.D	06/27/25
TP-99	Q2436-09	FB031959.D	06/27/25
TP-69	Q2436-02	FB031961.D	06/27/25
BSF0627S3	BSF0627S3	FB031962.D	06/27/25

COMMENTS:

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METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBF0630S1

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

Lab File ID: FB031965.D Lab Sample ID: VBF0630S1

Date Analyzed: 06/30/25 Time Analyzed: 10:12

GC Column: RTX-502.2 ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: FB

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSF0630S1	BSF0630S1	FB031967.D	06/30/25
TP-87	Q2436-07	FB031969.D	06/30/25
TP-82	Q2436-10	FB031970.D	06/30/25

COMMENTS:

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METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBF0630S2

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

Lab File ID: FB031966.D Lab Sample ID: VBF0630S2

Date Analyzed: 06/30/25 Time Analyzed: 10:40

GC Column: RTX-502.2 ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: FB

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
TP-86	Q2436-04	FB031971.D	06/30/25

COMMENTS:

SAMPLE DATA

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Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-70	SDG No.:	Q2436
Lab Sample ID:	Q2436-01	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	82.1 Decanted:
Sample Wt/Vol:	4.7 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031949.D	1	06/27/25 12:20	FB062725

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	14.2		50 - 150	71%	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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB062725\
Data File : FB031949.D
Signal(s) : FID2B.CH
Acq On : 27 Jun 2025 12:20
Operator : YP/AJ
Sample : Q2436-01
Misc : 4.70G/5.00 ML DI WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-70

Integration File: Calibration.e
Quant Time: Jun 28 05:14:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
Quant Title :
QLast Update : Mon Jun 23 13:56:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
5) s AAA-TFT	8.795	218227	14.145 ng/ml
Target Compounds			

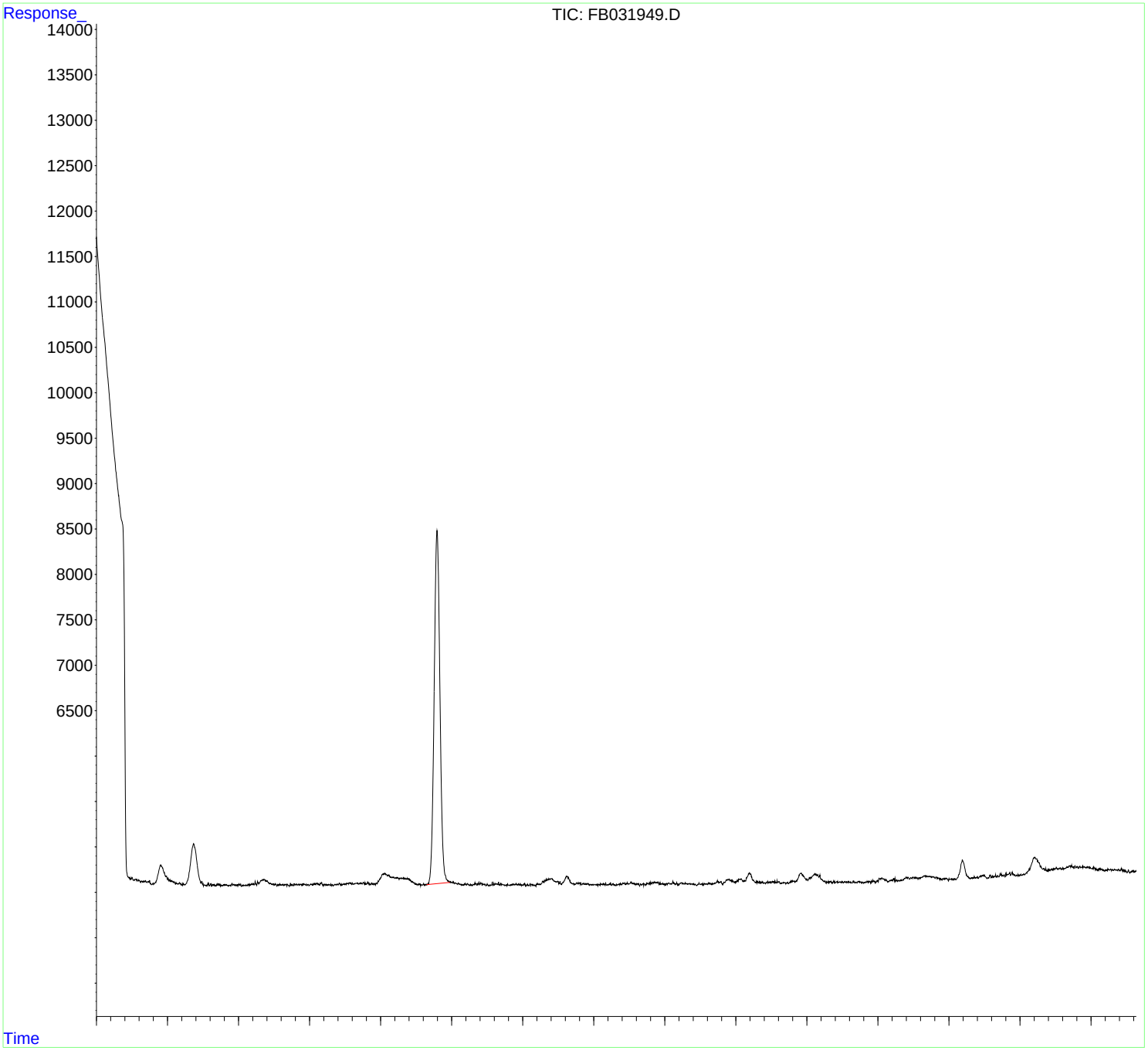
(f)=RT Delta > 1/2 Window (m)=manual int.

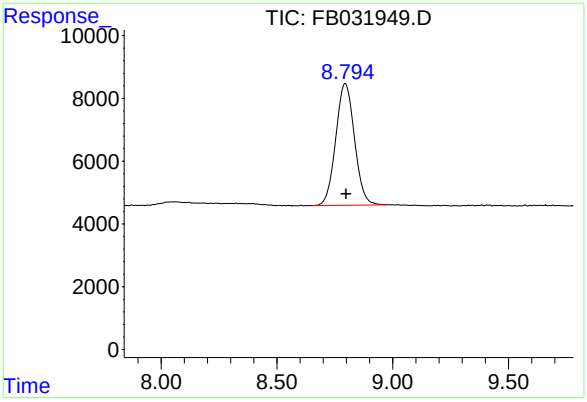
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB062725\
Data File : FB031949.D
Signal(s) : FID2B.CH
Acq On : 27 Jun 2025 12:20
Operator : YP/AJ
Sample : Q2436-01
Misc : 4.70G/5.00 ML DI WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-70

Integration File: Calibration.e
Quant Time: Jun 28 05:14:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
Quant Title :
QLast Update : Mon Jun 23 13:56:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#5 AAA-TFT

R.T.:	8.795 min
Delta R.T.:	-0.003 min
Response:	218227
Conc:	14.15 ng/ml

Instrument :
FID_B
ClientSampleId :
TP-70

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB062725\
Data File : FB031949.D
Signal(s) : FID2B.CH
Acq On : 27 Jun 2025 12:20
Sample : Q2436-01
Misc : 4.70G/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	% max.	% of total
1	4.636	4.604	4.648	BV	10	-13	-0.01%	-0.003%
2	4.661	4.648	4.685	PV	14	219	0.10%	0.054%
3	4.691	4.685	4.715	VV	27	317	0.14%	0.079%
4	4.748	4.715	4.778	VV	40	703	0.31%	0.175%
5	5.122	5.113	5.147	VV	29	410	0.18%	0.102%
6	5.170	5.147	5.181	VV	31	443	0.20%	0.110%
7	5.186	5.181	5.210	VV	20	213	0.09%	0.053%
8	5.219	5.210	5.228	PV	28	149	0.07%	0.037%
9	5.235	5.228	5.248	VV	16	151	0.07%	0.038%
10	5.484	5.471	5.509	VV	49	707	0.32%	0.176%
11	5.521	5.509	5.559	VV	14	258	0.12%	0.064%
12	5.571	5.559	5.591	VV	31	343	0.15%	0.085%
13	5.610	5.591	5.623	VV	30	264	0.12%	0.066%
14	5.634	5.623	5.647	PV	17	173	0.08%	0.043%
15	5.655	5.647	5.667	VV	21	150	0.07%	0.037%
16	5.673	5.667	5.682	VV	12	78	0.03%	0.019%
17	5.710	5.682	5.749	VV	30	646	0.29%	0.161%
18	5.796	5.749	5.820	VV	21	527	0.24%	0.131%
19	5.829	5.820	5.854	VV	20	247	0.11%	0.061%
20	5.873	5.854	5.884	VV	15	170	0.08%	0.042%
21	5.910	5.884	5.921	VV	35	423	0.19%	0.105%
22	5.933	5.921	5.956	VV	24	344	0.15%	0.086%
23	5.966	5.956	5.976	VV	21	169	0.08%	0.042%

24	5.985	5.976	5.992	VV	21	128	0.06%	0.032%
25	6.008	5.992	6.022	VV	29	327	0.15%	0.081%
26	6.030	6.022	6.041	VV	25	152	0.07%	0.038%
27	6.054	6.041	6.062	PV	13	73	0.03%	0.018%
28	6.107	6.062	6.124	VV	17	397	0.18%	0.099%
29	6.142	6.124	6.153	VV	23	288	0.13%	0.072%
30	6.184	6.153	6.223	VV	30	891	0.40%	0.222%
31	6.236	6.223	6.257	VV	56	605	0.27%	0.151%
32	6.269	6.257	6.287	VV	54	650	0.29%	0.162%
33	6.361	6.287	6.441	VV	79	5213	2.33%	1.297%
34	6.450	6.441	6.474	VV	32	552	0.25%	0.137%
35	6.479	6.474	6.542	VV	26	762	0.34%	0.190%
36	6.582	6.542	6.599	VV	22	465	0.21%	0.116%
37	6.623	6.599	6.641	VV	22	358	0.16%	0.089%
38	6.669	6.641	6.680	VV	21	358	0.16%	0.089%
39	6.689	6.680	6.719	VV	22	257	0.11%	0.064%
40	6.732	6.719	6.744	VV	32	236	0.11%	0.059%
41	6.756	6.744	6.772	VV	19	218	0.10%	0.054%
42	6.784	6.772	6.797	VV	29	274	0.12%	0.068%
43	6.816	6.797	6.826	VV	22	301	0.13%	0.075%
44	6.859	6.826	6.866	VV	20	407	0.18%	0.101%
45	6.880	6.866	6.889	VV	23	241	0.11%	0.060%
46	6.914	6.889	6.943	VV	27	587	0.26%	0.146%
47	6.954	6.943	6.964	VV	18	161	0.07%	0.040%
48	6.981	6.964	6.995	VV	20	242	0.11%	0.060%
49	7.023	6.995	7.048	VV	22	480	0.21%	0.120%
50	7.078	7.048	7.088	VV	28	505	0.23%	0.126%
51	7.100	7.088	7.135	VV	30	660	0.29%	0.164%
52	7.172	7.135	7.207	VV	39	837	0.37%	0.208%
53	7.216	7.207	7.251	VV	17	357	0.16%	0.089%
54	7.264	7.251	7.293	VV	17	318	0.14%	0.079%
55	7.302	7.293	7.310	VV	20	105	0.05%	0.026%
56	7.320	7.310	7.332	VV	13	115	0.05%	0.029%
57	7.394	7.332	7.405	PV	21	567	0.25%	0.141%
58	7.419	7.405	7.444	VV	30	410	0.18%	0.102%
59	7.452	7.444	7.459	VV	16	71	0.03%	0.018%
60	7.527	7.459	7.535	VV	27	757	0.34%	0.188%
61	7.561	7.535	7.574	VV	31	553	0.25%	0.138%
62	7.580	7.574	7.596	VV	27	269	0.12%	0.067%

63	7.603	7.596	7.615	VV	30	209	0.09%	0.052%
64	7.655	7.615	7.690	VV	22	793	0.35%	0.197%
65	7.716	7.690	7.744	VV	26	564	0.25%	0.140%
66	7.760	7.744	7.797	VV	28	544	0.24%	0.135%
67	7.818	7.797	7.860	VV	32	482	0.22%	0.120%
68	7.874	7.860	7.932	PB	21	331	0.15%	0.082%
69	8.062	7.938	8.094	BV	96	5494	2.45%	1.367%
70	8.102	8.094	8.172	VV	74	2597	1.16%	0.646%
71	8.179	8.172	8.206	VV	45	759	0.34%	0.189%
72	8.219	8.206	8.228	VV	33	412	0.18%	0.103%
73	8.238	8.228	8.261	VV	31	501	0.22%	0.125%
74	8.291	8.261	8.317	VV	21	593	0.26%	0.147%
75	8.326	8.317	8.384	VB	25	311	0.14%	0.077%
76	8.447	8.403	8.521	BV	1	-175	-0.08%	-0.044%
77	8.530	8.521	8.539	PV	11	60	0.03%	0.015%
78	8.558	8.539	8.590	PV	14	144	0.06%	0.036%
79	8.603	8.590	8.615	VV	18	108	0.05%	0.027%
80	8.624	8.615	8.630	PV	7	39	0.02%	0.010%
81	8.795	8.630	9.040	VV	3903	223883	100.00%	55.715%
82	9.051	9.040	9.084	VV	31	630	0.28%	0.157%
83	9.094	9.084	9.168	VV	28	708	0.32%	0.176%
84	9.194	9.168	9.210	VV	22	347	0.15%	0.086%
85	9.221	9.210	9.252	VV	24	329	0.15%	0.082%
86	9.266	9.252	9.286	VV	19	169	0.08%	0.042%
87	9.306	9.286	9.319	VV	16	191	0.09%	0.048%
88	9.328	9.319	9.377	VV	30	640	0.29%	0.159%
89	9.385	9.377	9.397	VV	37	283	0.13%	0.070%
90	9.407	9.397	9.431	VV	33	469	0.21%	0.117%
91	9.470	9.431	9.490	VV	21	477	0.21%	0.119%
92	9.501	9.490	9.517	VV	19	170	0.08%	0.042%
93	9.526	9.517	9.540	VV	10	76	0.03%	0.019%
94	9.550	9.540	9.558	VV	13	78	0.03%	0.019%
95	9.573	9.558	9.584	VV	40	271	0.12%	0.067%
96	9.595	9.584	9.606	VV	25	187	0.08%	0.046%
97	9.614	9.606	9.625	VV	30	256	0.11%	0.064%
98	9.637	9.625	9.646	VV	25	264	0.12%	0.066%
99	9.661	9.646	9.671	VV	42	314	0.14%	0.078%
100	9.693	9.671	9.704	VV	32	367	0.16%	0.091%
101	9.711	9.704	9.731	VV	20	267	0.12%	0.066%

102	9.739	9.731	9.762	VV	15	198	0.09%	0.049%
103	9.790	9.762	9.809	VV	23	339	0.15%	0.084%
104	9.863	9.809	9.881	VV	24	642	0.29%	0.160%
105	9.910	9.881	9.934	VV	28	597	0.27%	0.148%
106	9.942	9.934	9.982	VV	27	503	0.22%	0.125%
107	9.992	9.982	10.001	VV	17	151	0.07%	0.037%
108	10.024	10.001	10.047	VV	29	455	0.20%	0.113%
109	10.066	10.047	10.092	PV	25	306	0.14%	0.076%
110	10.106	10.092	10.115	VV	31	239	0.11%	0.059%
111	10.132	10.115	10.160	VV	23	388	0.17%	0.096%
112	10.168	10.160	10.187	VV	11	138	0.06%	0.034%
113	10.281	10.187	10.301	VV	54	1929	0.86%	0.480%
114	10.332	10.301	10.363	VV	75	2324	1.04%	0.578%
115	10.371	10.363	10.382	VV	78	868	0.39%	0.216%
116	10.413	10.382	10.470	VV	85	3576	1.60%	0.890%
117	10.478	10.470	10.487	VV	51	514	0.23%	0.128%
118	10.496	10.487	10.518	VV	55	803	0.36%	0.200%
119	10.526	10.518	10.543	VV	53	522	0.23%	0.130%
120	10.619	10.543	10.723	VV	109	6202	2.77%	1.543%
121	10.731	10.723	10.740	VV	26	217	0.10%	0.054%
122	10.767	10.740	10.784	VV	40	770	0.34%	0.192%
123	10.792	10.784	10.812	VV	37	507	0.23%	0.126%
124	10.820	10.812	10.831	VV	36	289	0.13%	0.072%
125	10.848	10.831	10.886	VV	30	743	0.33%	0.185%
126	10.917	10.886	10.939	VV	29	684	0.31%	0.170%
127	10.951	10.939	10.959	VV	21	196	0.09%	0.049%
128	10.964	10.959	10.972	VV	17	113	0.05%	0.028%
129	10.977	10.972	10.986	VV	16	118	0.05%	0.029%
130	10.993	10.986	11.001	VV	20	135	0.06%	0.034%
131	11.019	11.001	11.092	VV	20	788	0.35%	0.196%
132	11.097	11.092	11.128	VV	24	425	0.19%	0.106%
133	11.134	11.128	11.162	VV	28	390	0.17%	0.097%
134	11.169	11.162	11.184	VV	34	262	0.12%	0.065%
135	11.199	11.184	11.205	VV	17	175	0.08%	0.043%
136	11.238	11.205	11.254	VV	33	555	0.25%	0.138%
137	11.268	11.254	11.315	VV	25	479	0.21%	0.119%
138	11.323	11.315	11.332	VV	22	136	0.06%	0.034%
139	11.354	11.332	11.367	VV	20	338	0.15%	0.084%
140	11.376	11.367	11.396	VV	28	334	0.15%	0.083%

141	11.425	11.396	11.449	VV	32	813	0.36%	0.202%
142	11.474	11.449	11.501	VV	34	781	0.35%	0.194%
143	11.524	11.501	11.600	VV	43	1604	0.72%	0.399%
144	11.611	11.600	11.648	VV	26	507	0.23%	0.126%
145	11.660	11.648	11.678	PV	24	243	0.11%	0.061%
146	11.708	11.678	11.723	VV	26	509	0.23%	0.127%
147	11.752	11.723	11.760	VV	30	438	0.20%	0.109%
148	11.785	11.760	11.794	VV	39	527	0.24%	0.131%
149	11.802	11.794	11.818	VV	38	380	0.17%	0.095%
150	11.852	11.818	11.877	VV	43	1237	0.55%	0.308%
151	11.907	11.877	11.921	VV	39	865	0.39%	0.215%
152	11.934	11.921	11.945	VV	34	319	0.14%	0.079%
153	11.957	11.945	12.009	VV	23	725	0.32%	0.181%
154	12.027	12.009	12.036	VV	28	301	0.13%	0.075%
155	12.059	12.036	12.095	VV	31	867	0.39%	0.216%
156	12.114	12.095	12.161	VV	48	1010	0.45%	0.251%
157	12.168	12.161	12.195	VV	34	400	0.18%	0.100%
158	12.235	12.195	12.272	VV	33	1073	0.48%	0.267%
159	12.287	12.272	12.322	VV	31	674	0.30%	0.168%
160	12.330	12.322	12.338	VV	23	183	0.08%	0.046%
161	12.348	12.338	12.366	VV	23	312	0.14%	0.078%
162	12.376	12.366	12.417	VV	20	501	0.22%	0.125%
163	12.427	12.417	12.448	VV	16	173	0.08%	0.043%
164	12.482	12.448	12.504	PV	23	417	0.19%	0.104%
165	12.533	12.504	12.578	VV	23	662	0.30%	0.165%
166	12.590	12.578	12.602	VV	18	225	0.10%	0.056%
167	12.618	12.602	12.669	VV	27	711	0.32%	0.177%
168	12.742	12.669	12.773	VV	50	1697	0.76%	0.422%
169	12.791	12.773	12.813	VV	42	714	0.32%	0.178%
170	12.905	12.813	12.940	VV	66	3477	1.55%	0.865%
171	12.942	12.940	12.987	VV	48	1125	0.50%	0.280%
172	13.077	12.987	13.107	VV	69	3564	1.59%	0.887%
173	13.192	13.107	13.277	VV	135	7432	3.32%	1.850%
174	13.293	13.277	13.360	VV	35	1284	0.57%	0.319%
175	13.378	13.360	13.419	VV	31	710	0.32%	0.177%
176	13.552	13.419	13.575	VV	39	2205	0.98%	0.549%
177	13.583	13.575	13.642	VV	37	843	0.38%	0.210%
178	13.690	13.642	13.705	VV	18	565	0.25%	0.141%
179	13.726	13.705	13.743	VV	18	302	0.14%	0.075%
180	13.920	13.743	14.014	VV	118	9108	4.07%	2.267%

181	14.110	14.014	14.276	VV	109	10370	4.63%	2.581%
182	14.335	14.276	14.351	VV	21	676	0.30%	0.168%
183	14.377	14.351	14.403	VV	24	425	0.19%	0.106%
184	14.421	14.403	14.454	VV	18	422	0.19%	0.105%
185	14.466	14.454	14.518	VV	18	494	0.22%	0.123%
186	14.536	14.518	14.635	VV	17	831	0.37%	0.207%
187	14.654	14.635	14.678	VV	26	298	0.13%	0.074%
188	14.727	14.678	14.799	VV	21	690	0.31%	0.172%
189	14.885	14.799	14.900	PV	16	584	0.26%	0.145%
190	14.933	14.900	14.966	VV	28	586	0.26%	0.146%
191	15.058	14.966	15.153	PV	51	3085	1.38%	0.768%
192	15.223	15.153	15.278	VV	41	1532	0.68%	0.381%
193	15.397	15.278	15.417	VV	50	2053	0.92%	0.511%
194	15.427	15.417	15.448	VV	46	706	0.32%	0.176%
195	15.498	15.448	15.570	VV	45	2768	1.24%	0.689%
196	15.663	15.570	15.709	VV	61	3799	1.70%	0.946%
197	15.722	15.709	15.782	VV	54	1948	0.87%	0.485%
198	15.786	15.782	15.806	VV	45	529	0.24%	0.132%
199	15.821	15.806	15.904	VV	41	1366	0.61%	0.340%
200	15.959	15.904	16.013	VV	22	806	0.36%	0.201%
201	16.035	16.013	16.099	VV	9	424	0.19%	0.105%
202	16.191	16.099	16.301	PV	214	10177	4.55%	2.533%
203	16.361	16.301	16.375	VV	17	544	0.24%	0.135%
204	16.400	16.375	16.414	VV	22	329	0.15%	0.082%
205	16.490	16.414	16.536	VV	43	1846	0.82%	0.459%
206	16.581	16.536	16.597	PV	30	520	0.23%	0.129%
207	16.611	16.597	16.706	VV	28	982	0.44%	0.244%
208	16.724	16.706	16.767	VV	38	851	0.38%	0.212%
209	16.778	16.767	16.792	VV	26	284	0.13%	0.071%
210	16.855	16.792	16.870	VV	46	1356	0.61%	0.337%
211	16.892	16.870	16.962	VV	44	1034	0.46%	0.257%
212	16.975	16.962	16.990	VV	7	150	0.07%	0.037%
213	17.016	16.990	17.028	PV	14	158	0.07%	0.039%

Sum of corrected areas: 401838

FB062325.M Sat Jun 28 05:54:55 2025

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-69	SDG No.:	Q2436
Lab Sample ID:	Q2436-02	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	82 Decanted:
Sample Wt/Vol:	4.03 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031961.D	1	06/27/25 18:25	FB062725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	12.0	U	12.0	68.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	15.7		50 - 150	78%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB062725\
Data File : FB031961.D
Signal(s) : FID2B.CH
Acq On : 27 Jun 2025 18:25
Operator : YP/AJ
Sample : Q2436-02
Misc : 4.03G/5.00 ML DI WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-69

Integration File: Calibration.e
Quant Time: Jun 28 05:16:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
Quant Title :
QLast Update : Mon Jun 23 13:56:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
5) s AAA-TFT	8.796	241503	15.654 ng/ml
Target Compounds			

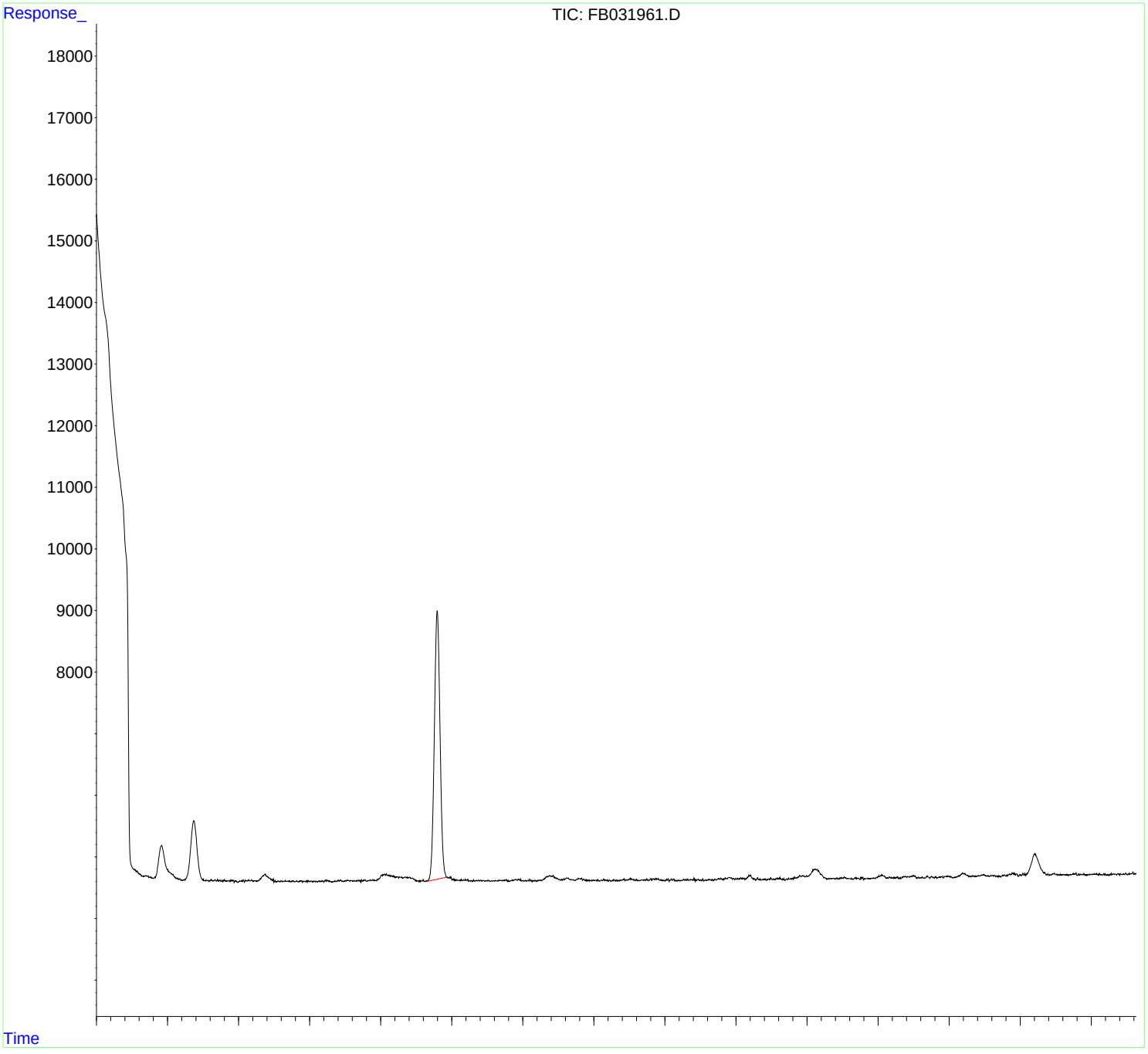
(f)=RT Delta > 1/2 Window (m)=manual int.

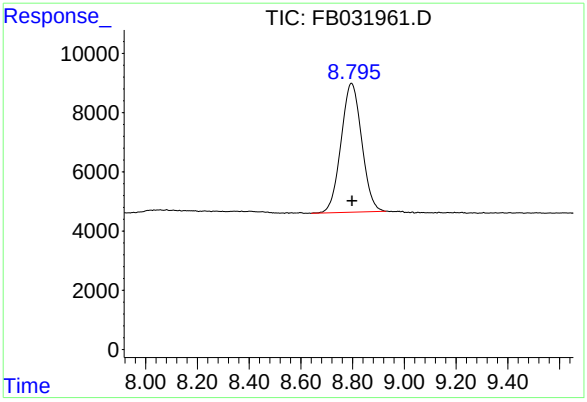
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB062725\
Data File : FB031961.D
Signal(s) : FID2B.CH
Acq On : 27 Jun 2025 18:25
Operator : YP/AJ
Sample : Q2436-02
Misc : 4.03G/5.00 ML DI WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-69

Integration File: Calibration.e
Quant Time: Jun 28 05:16:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
Quant Title :
QLast Update : Mon Jun 23 13:56:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#5 AAA-TFT

R.T.:	8.796 min
Delta R.T.:	-0.001 min
Response:	241503
Conc:	15.65 ng/ml

Instrument :
FID_B
ClientSampleId :
TP-69

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB062725\
Data File : FB031961.D
Signal(s) : FID2B.CH
Acq On : 27 Jun 2025 18:25
Sample : Q2436-02
Misc : 4.03G/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	% max.	% of total
1	4.699	4.637	4.709	BV	20	273	0.11%	0.059%
2	4.724	4.709	4.747	VV	19	271	0.11%	0.059%
3	4.756	4.747	4.804	VV	15	183	0.07%	0.040%
4	5.172	5.164	5.192	VV	25	283	0.11%	0.061%
5	5.200	5.192	5.212	PV	14	71	0.03%	0.015%
6	5.222	5.212	5.228	VV	13	70	0.03%	0.015%
7	5.543	5.534	5.557	VV	24	222	0.09%	0.048%
8	5.570	5.557	5.594	VV	17	265	0.11%	0.058%
9	5.614	5.594	5.623	VV	36	379	0.15%	0.082%
10	5.628	5.623	5.637	VV	25	140	0.06%	0.030%
11	5.671	5.637	5.690	VV	34	625	0.25%	0.135%
12	5.706	5.690	5.726	VV	35	454	0.18%	0.098%
13	5.739	5.726	5.762	VV	29	414	0.17%	0.090%
14	5.772	5.762	5.781	VV	27	195	0.08%	0.042%
15	5.798	5.781	5.815	VV	34	442	0.18%	0.096%
16	5.824	5.815	5.834	VV	24	216	0.09%	0.047%
17	5.857	5.834	5.868	VV	30	431	0.17%	0.094%
18	5.876	5.868	5.882	VV	24	181	0.07%	0.039%
19	5.902	5.882	5.917	VV	36	562	0.22%	0.122%
20	5.928	5.917	5.941	VV	40	376	0.15%	0.082%
21	5.954	5.941	5.991	PV	32	465	0.19%	0.101%
22	6.068	5.991	6.084	PV	43	1195	0.48%	0.259%
23	6.120	6.084	6.129	VV	33	685	0.27%	0.149%

24	6.149	6.129	6.162	VV	39	583	0.23%	0.127%
25	6.182	6.162	6.209	VV	43	840	0.34%	0.182%
26	6.230	6.209	6.263	VV	29	790	0.32%	0.171%
27	6.375	6.263	6.394	VV	134	6343	2.54%	1.375%
28	6.402	6.394	6.474	VV	101	3345	1.34%	0.725%
29	6.483	6.474	6.535	VV	54	874	0.35%	0.189%
30	6.547	6.535	6.555	VV	23	182	0.07%	0.040%
31	6.564	6.555	6.588	VV	22	303	0.12%	0.066%
32	6.605	6.588	6.617	VV	28	344	0.14%	0.075%
33	6.658	6.617	6.686	VV	29	733	0.29%	0.159%
34	6.697	6.686	6.706	VV	23	230	0.09%	0.050%
35	6.717	6.706	6.747	VV	24	349	0.14%	0.076%
36	6.769	6.747	6.800	VV	26	538	0.21%	0.117%
37	6.817	6.800	6.846	VV	27	400	0.16%	0.087%
38	6.883	6.846	6.902	VV	26	615	0.25%	0.133%
39	6.912	6.902	6.918	VV	20	138	0.06%	0.030%
40	6.924	6.918	6.942	VV	20	200	0.08%	0.043%
41	6.956	6.942	6.966	VV	30	256	0.10%	0.056%
42	6.976	6.966	7.010	VV	32	493	0.20%	0.107%
43	7.026	7.010	7.048	VV	23	328	0.13%	0.071%
44	7.059	7.048	7.087	VV	19	300	0.12%	0.065%
45	7.129	7.087	7.164	VV	22	660	0.26%	0.143%
46	7.222	7.164	7.235	VV	33	831	0.33%	0.180%
47	7.247	7.235	7.294	VV	33	747	0.30%	0.162%
48	7.308	7.294	7.317	VV	14	121	0.05%	0.026%
49	7.352	7.317	7.360	VV	23	268	0.11%	0.058%
50	7.365	7.360	7.372	VV	17	91	0.04%	0.020%
51	7.406	7.372	7.415	VV	30	525	0.21%	0.114%
52	7.436	7.415	7.451	VV	32	566	0.23%	0.123%
53	7.460	7.451	7.478	VV	24	258	0.10%	0.056%
54	7.504	7.478	7.514	VV	29	448	0.18%	0.097%
55	7.529	7.514	7.568	VV	32	864	0.35%	0.187%
56	7.580	7.568	7.610	VV	31	588	0.24%	0.128%
57	7.628	7.610	7.652	VV	30	492	0.20%	0.107%
58	7.666	7.652	7.685	VV	29	466	0.19%	0.101%
59	7.692	7.685	7.696	VV	29	161	0.06%	0.035%
60	7.702	7.696	7.708	VV	31	186	0.07%	0.040%
61	7.712	7.708	7.721	VV	31	161	0.06%	0.035%
62	7.731	7.721	7.749	VV	35	360	0.14%	0.078%

63	7.762	7.749	7.771	VV	41	351	0.14%	0.076%
64	7.783	7.771	7.813	VV	37	612	0.24%	0.133%
65	7.836	7.813	7.845	VV	28	460	0.18%	0.100%
66	7.859	7.845	7.877	VV	39	575	0.23%	0.125%
67	7.890	7.877	7.908	VV	41	547	0.22%	0.119%
68	7.912	7.908	7.927	VV	32	313	0.13%	0.068%
69	7.936	7.927	7.941	VV	27	212	0.08%	0.046%
70	8.057	7.941	8.071	VV	130	6646	2.66%	1.441%
71	8.082	8.071	8.094	VV	134	1652	0.66%	0.358%
72	8.108	8.094	8.140	VV	118	2907	1.16%	0.630%
73	8.152	8.140	8.206	VV	99	3634	1.45%	0.788%
74	8.229	8.206	8.255	VV	91	2393	0.96%	0.519%
75	8.275	8.255	8.318	VV	83	2836	1.13%	0.615%
76	8.344	8.318	8.364	VV	81	2067	0.83%	0.448%
77	8.372	8.364	8.385	VV	83	905	0.36%	0.196%
78	8.403	8.385	8.436	VV	80	2110	0.84%	0.458%
79	8.452	8.436	8.466	VV	64	995	0.40%	0.216%
80	8.472	8.466	8.520	VV	52	947	0.38%	0.205%
81	8.547	8.520	8.581	VV	28	682	0.27%	0.148%
82	8.598	8.581	8.627	VV	35	499	0.20%	0.108%
83	8.796	8.627	8.958	VV	4401	250111	100.00%	54.233%
84	8.977	8.958	9.023	VV	73	2216	0.89%	0.480%
85	9.032	9.023	9.041	VV	53	386	0.15%	0.084%
86	9.054	9.041	9.113	VV	40	1212	0.48%	0.263%
87	9.135	9.113	9.153	VV	43	666	0.27%	0.144%
88	9.169	9.153	9.187	VV	35	554	0.22%	0.120%
89	9.196	9.187	9.213	VV	38	440	0.18%	0.095%
90	9.223	9.213	9.244	VV	41	466	0.19%	0.101%
91	9.272	9.244	9.286	VV	24	432	0.17%	0.094%
92	9.308	9.286	9.326	VV	35	402	0.16%	0.087%
93	9.336	9.326	9.347	VV	21	202	0.08%	0.044%
94	9.380	9.347	9.396	VV	28	571	0.23%	0.124%
95	9.409	9.396	9.422	VV	27	316	0.13%	0.069%
96	9.447	9.422	9.464	VV	24	468	0.19%	0.101%
97	9.479	9.464	9.491	VV	21	246	0.10%	0.053%
98	9.511	9.491	9.519	VV	27	303	0.12%	0.066%
99	9.525	9.519	9.546	VV	23	238	0.10%	0.052%
100	9.565	9.546	9.579	VV	19	253	0.10%	0.055%
101	9.590	9.579	9.600	VV	18	177	0.07%	0.038%

102	9.614	9.600	9.656	VV	22	520	0.21%	0.113%
103	9.667	9.656	9.677	VV	26	263	0.11%	0.057%
104	9.692	9.677	9.723	VV	27	573	0.23%	0.124%
105	9.770	9.723	9.804	VV	32	992	0.40%	0.215%
106	9.849	9.804	9.864	VV	27	613	0.25%	0.133%
107	9.900	9.864	9.916	VV	41	933	0.37%	0.202%
108	9.943	9.916	9.967	VV	45	990	0.40%	0.215%
109	9.972	9.967	9.985	VV	39	252	0.10%	0.055%
110	10.000	9.985	10.015	VV	19	265	0.11%	0.058%
111	10.040	10.015	10.052	VV	21	311	0.12%	0.067%
112	10.069	10.052	10.082	VV	22	295	0.12%	0.064%
113	10.091	10.082	10.102	VV	36	276	0.11%	0.060%
114	10.113	10.102	10.147	VV	35	491	0.20%	0.106%
115	10.154	10.147	10.165	VV	19	148	0.06%	0.032%
116	10.176	10.165	10.199	VV	16	261	0.10%	0.057%
117	10.213	10.199	10.231	VV	22	330	0.13%	0.072%
118	10.246	10.231	10.267	VV	30	457	0.18%	0.099%
119	10.377	10.267	10.415	VV	101	6128	2.45%	1.329%
120	10.430	10.415	10.509	VV	100	3600	1.44%	0.781%
121	10.519	10.509	10.546	VV	38	702	0.28%	0.152%
122	10.552	10.546	10.560	VV	42	258	0.10%	0.056%
123	10.582	10.560	10.591	VV	48	650	0.26%	0.141%
124	10.622	10.591	10.683	VV	60	2506	1.00%	0.543%
125	10.691	10.683	10.727	VV	33	714	0.29%	0.155%
126	10.799	10.727	10.811	VV	50	1805	0.72%	0.391%
127	10.831	10.811	10.843	VV	53	822	0.33%	0.178%
128	10.856	10.843	10.875	VV	40	585	0.23%	0.127%
129	10.897	10.875	10.911	VV	32	446	0.18%	0.097%
130	10.918	10.911	10.925	VV	24	163	0.07%	0.035%
131	10.933	10.925	10.961	VV	22	344	0.14%	0.075%
132	10.991	10.961	11.000	VV	28	454	0.18%	0.098%
133	11.019	11.000	11.047	VV	21	514	0.21%	0.111%
134	11.060	11.047	11.075	VV	30	315	0.13%	0.068%
135	11.112	11.075	11.124	VV	23	464	0.19%	0.101%
136	11.139	11.124	11.153	VV	36	445	0.18%	0.096%
137	11.160	11.153	11.206	VV	30	584	0.23%	0.127%
138	11.223	11.206	11.244	VV	25	332	0.13%	0.072%
139	11.257	11.244	11.263	VV	15	142	0.06%	0.031%
140	11.271	11.263	11.276	VV	25	136	0.05%	0.030%

141	11.286	11.276	11.323	VV	32	510	0.20%	0.111%
142	11.331	11.323	11.340	VV	21	120	0.05%	0.026%
143	11.354	11.340	11.365	VV	23	191	0.08%	0.041%
144	11.384	11.365	11.400	VV	23	415	0.17%	0.090%
145	11.429	11.400	11.440	VV	45	702	0.28%	0.152%
146	11.516	11.440	11.524	VV	55	1450	0.58%	0.314%
147	11.532	11.524	11.582	VV	45	1005	0.40%	0.218%
148	11.599	11.582	11.649	VV	38	730	0.29%	0.158%
149	11.679	11.649	11.693	VV	26	535	0.21%	0.116%
150	11.715	11.693	11.732	VV	31	507	0.20%	0.110%
151	11.742	11.732	11.752	VV	44	377	0.15%	0.082%
152	11.760	11.752	11.774	VV	33	313	0.13%	0.068%
153	11.797	11.774	11.815	VV	44	666	0.27%	0.144%
154	11.844	11.815	11.859	VV	42	924	0.37%	0.200%
155	11.877	11.859	11.899	VV	50	946	0.38%	0.205%
156	11.908	11.899	11.925	VV	49	529	0.21%	0.115%
157	11.933	11.925	11.964	VV	28	499	0.20%	0.108%
158	11.975	11.964	12.000	VV	19	318	0.13%	0.069%
159	12.024	12.000	12.040	VV	36	510	0.20%	0.111%
160	12.049	12.040	12.062	VV	40	284	0.11%	0.062%
161	12.092	12.062	12.105	PV	42	603	0.24%	0.131%
162	12.122	12.105	12.159	VV	41	624	0.25%	0.135%
163	12.167	12.159	12.185	VV	18	176	0.07%	0.038%
164	12.195	12.185	12.236	VV	21	398	0.16%	0.086%
165	12.269	12.236	12.281	VV	33	576	0.23%	0.125%
166	12.296	12.281	12.306	VV	36	359	0.14%	0.078%
167	12.319	12.306	12.328	VV	32	315	0.13%	0.068%
168	12.371	12.328	12.397	VV	29	928	0.37%	0.201%
169	12.412	12.397	12.428	VV	53	473	0.19%	0.103%
170	12.437	12.428	12.447	PV	36	231	0.09%	0.050%
171	12.469	12.447	12.484	VV	29	484	0.19%	0.105%
172	12.492	12.484	12.499	VV	22	147	0.06%	0.032%
173	12.506	12.499	12.518	VV	20	179	0.07%	0.039%
174	12.534	12.518	12.546	VV	32	338	0.14%	0.073%
175	12.570	12.546	12.592	VV	25	379	0.15%	0.082%
176	12.627	12.592	12.658	VV	29	837	0.33%	0.182%
177	12.670	12.658	12.698	VV	27	428	0.17%	0.093%
178	12.708	12.698	12.721	VV	30	351	0.14%	0.076%
179	12.750	12.721	12.779	VV	42	1049	0.42%	0.228%
180	12.790	12.779	12.823	VV	47	838	0.33%	0.182%

181	12.851	12.823	12.882	VV	53	1266	0.51%	0.275%
182	12.907	12.882	12.952	VV	58	2037	0.81%	0.442%
183	12.963	12.952	12.982	VV	43	615	0.25%	0.133%
184	13.019	12.982	13.028	VV	41	854	0.34%	0.185%
185	13.067	13.028	13.085	VV	52	1224	0.49%	0.265%
186	13.093	13.085	13.104	VV	46	434	0.17%	0.094%
187	13.115	13.104	13.137	VV	45	655	0.26%	0.142%
188	13.182	13.137	13.195	VV	88	1976	0.79%	0.428%
189	13.205	13.195	13.284	VV	93	2345	0.94%	0.509%
190	13.306	13.284	13.326	VV	45	650	0.26%	0.141%
191	13.339	13.326	13.357	VV	28	309	0.12%	0.067%
192	13.384	13.357	13.393	VV	21	336	0.13%	0.073%
193	13.402	13.393	13.435	VV	30	430	0.17%	0.093%
194	13.461	13.435	13.472	VV	26	431	0.17%	0.094%
195	13.493	13.472	13.513	VV	42	628	0.25%	0.136%
196	13.525	13.513	13.546	VV	30	371	0.15%	0.081%
197	13.581	13.546	13.600	VV	38	901	0.36%	0.195%
198	13.622	13.600	13.658	VV	44	921	0.37%	0.200%
199	13.663	13.658	13.696	VV	24	320	0.13%	0.069%
200	13.714	13.696	13.731	VV	26	333	0.13%	0.072%
201	13.741	13.731	13.761	VV	38	442	0.18%	0.096%
202	13.779	13.761	13.788	VV	31	404	0.16%	0.088%
203	13.799	13.788	13.808	VV	36	330	0.13%	0.071%
204	13.815	13.808	13.840	VV	44	698	0.28%	0.151%
205	13.851	13.840	13.861	VV	42	490	0.20%	0.106%
206	13.872	13.861	13.880	VV	58	543	0.22%	0.118%
207	13.897	13.880	13.918	VV	82	1497	0.60%	0.325%
208	13.941	13.918	13.980	VV	77	2487	0.99%	0.539%
209	13.993	13.980	14.013	VV	76	1273	0.51%	0.276%
210	14.125	14.013	14.134	VV	181	9411	3.76%	2.041%
211	14.147	14.134	14.236	VV	176	6885	2.75%	1.493%
212	14.246	14.236	14.293	VV	46	981	0.39%	0.213%
213	14.304	14.293	14.314	VV	28	251	0.10%	0.054%
214	14.326	14.314	14.354	VV	30	554	0.22%	0.120%
215	14.369	14.354	14.399	VV	29	604	0.24%	0.131%
216	14.411	14.399	14.418	VV	31	246	0.10%	0.053%
217	14.425	14.418	14.437	VV	31	255	0.10%	0.055%
218	14.445	14.437	14.459	VV	26	275	0.11%	0.060%
219	14.484	14.459	14.496	VV	42	654	0.26%	0.142%

220	14.525	14.496	14.563	VV	45	1236	0.49%	0.268%
221	14.586	14.563	14.616	VV	25	637	0.25%	0.138%
222	14.626	14.616	14.651	VV	30	319	0.13%	0.069%
223	14.676	14.651	14.685	VV	36	446	0.18%	0.097%
224	14.692	14.685	14.745	VV	31	742	0.30%	0.161%
225	14.757	14.745	14.798	VV	44	760	0.30%	0.165%
226	14.822	14.798	14.830	PV	20	228	0.09%	0.049%
227	14.847	14.830	14.856	VV	22	276	0.11%	0.060%
228	14.866	14.856	14.877	VV	23	206	0.08%	0.045%
229	14.884	14.877	14.893	VV	17	146	0.06%	0.032%
230	14.913	14.893	14.922	VV	24	294	0.12%	0.064%
231	15.055	14.922	15.116	VV	74	4799	1.92%	1.041%
232	15.126	15.116	15.140	VV	26	289	0.12%	0.063%
233	15.160	15.140	15.183	VV	36	667	0.27%	0.145%
234	15.190	15.183	15.204	VV	31	283	0.11%	0.061%
235	15.238	15.204	15.247	VV	28	524	0.21%	0.114%
236	15.262	15.247	15.300	VV	30	595	0.24%	0.129%
237	15.309	15.300	15.325	VV	23	207	0.08%	0.045%
238	15.360	15.325	15.372	VV	42	805	0.32%	0.175%
239	15.386	15.372	15.409	VV	44	776	0.31%	0.168%
240	15.418	15.409	15.440	VV	41	656	0.26%	0.142%
241	15.451	15.440	15.462	VV	41	421	0.17%	0.091%
242	15.482	15.462	15.489	VV	49	672	0.27%	0.146%
243	15.504	15.489	15.558	VV	51	1355	0.54%	0.294%
244	15.571	15.558	15.586	VV	24	237	0.09%	0.051%
245	15.599	15.586	15.613	VV	14	201	0.08%	0.043%
246	15.624	15.613	15.649	VV	26	290	0.12%	0.063%
247	15.655	15.649	15.662	VV	11	68	0.03%	0.015%
248	15.696	15.662	15.731	VV	45	885	0.35%	0.192%
249	15.752	15.731	15.796	VV	33	691	0.28%	0.150%
250	15.804	15.796	15.837	VV	28	368	0.15%	0.080%
251	15.863	15.837	15.871	VV	27	323	0.13%	0.070%
252	15.903	15.871	15.916	VV	32	512	0.20%	0.111%
253	15.952	15.916	15.976	VV	30	843	0.34%	0.183%
254	15.986	15.976	16.016	VV	36	627	0.25%	0.136%
255	16.027	16.016	16.050	VV	24	290	0.12%	0.063%
256	16.058	16.050	16.066	PV	8	40	0.02%	0.009%
257	16.084	16.066	16.093	VV	15	172	0.07%	0.037%
258	16.136	16.093	16.149	VV	39	800	0.32%	0.174%

259	16.189	16.149	16.278	VV	80	4002	1.60%	0.868%
260	16.293	16.278	16.307	VV	27	420	0.17%	0.091%
261	16.334	16.307	16.357	VV	32	692	0.28%	0.150%
262	16.367	16.357	16.387	VV	29	360	0.14%	0.078%
263	16.401	16.387	16.408	VV	29	312	0.12%	0.068%
264	16.416	16.408	16.426	VV	32	294	0.12%	0.064%
265	16.431	16.426	16.435	VV	27	149	0.06%	0.032%
266	16.480	16.435	16.542	VV	45	2063	0.82%	0.447%
267	16.553	16.542	16.578	VV	22	416	0.17%	0.090%
268	16.613	16.578	16.727	VV	33	1668	0.67%	0.362%
269	16.778	16.727	16.802	PV	36	920	0.37%	0.200%
270	16.891	16.802	16.934	VV	57	2816	1.13%	0.611%
271	16.946	16.934	16.981	VV	40	701	0.28%	0.152%
272	16.998	16.981	17.020	PV	14	302	0.12%	0.066%
273	17.040	17.020	17.054	VV	36	360	0.14%	0.078%

Sum of corrected areas: 461179

FB062325.M Sat Jun 28 05:58:30 2025

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-85	SDG No.:	Q2436
Lab Sample ID:	Q2436-03	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	85.1 Decanted:
Sample Wt/Vol:	4.32 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031951.D	1	06/27/25 13:14	FB062725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	11.0	U	11.0	61.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	15.7		50 - 150	78%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB062725\
Data File : FB031951.D
Signal(s) : FID2B.CH
Acq On : 27 Jun 2025 13:14
Operator : YP/AJ
Sample : Q2436-03
Misc : 4.32G/5.00 ML DI WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-85

Integration File: Calibration.e
Quant Time: Jun 28 05:15:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
Quant Title :
QLast Update : Mon Jun 23 13:56:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
5) s AAA-TFT	8.796	241713	15.667 ng/ml
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

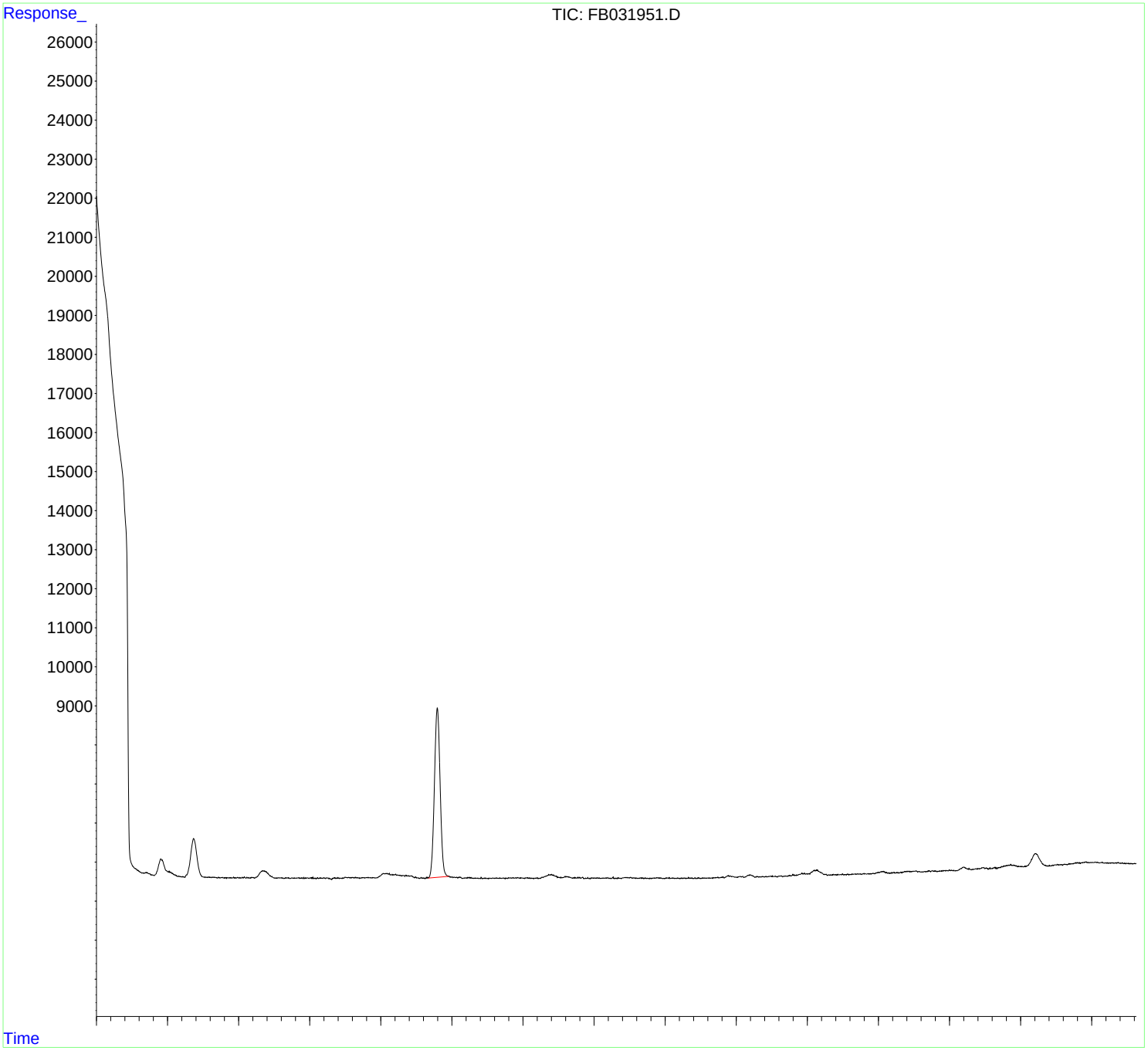
Quantitation Report (QT Reviewed)

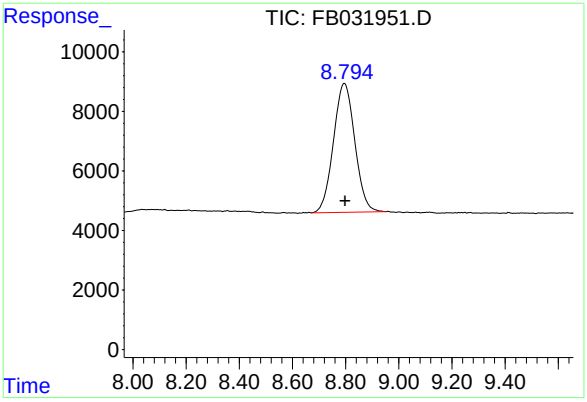
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB062725\
Data File : FB031951.D
Signal(s) : FID2B.CH
Acq On : 27 Jun 2025 13:14
Operator : YP/AJ
Sample : Q2436-03
Misc : 4.32G/5.00 ML DI WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-85

Integration File: Calibration.e
Quant Time: Jun 28 05:15:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
Quant Title :
QLast Update : Mon Jun 23 13:56:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#5 AAA-TFT

R.T.:	8.796 min
Delta R.T.:	-0.002 min
Response:	241713
Conc:	15.67 ng/ml

Instrument :
FID_B
ClientSampleId :
TP-85

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB062725\
Data File : FB031951.D
Signal(s) : FID2B.CH
Acq On : 27 Jun 2025 13:14
Sample : Q2436-03
Misc : 4.32G/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	% max.	% of total
1	4.647	4.604	4.681	BV	-11	-283	-0.11%	-0.058%
2	4.698	4.681	4.809	PV	25	937	0.37%	0.192%
3	5.025	5.021	5.034	VV	130	876	0.35%	0.180%
4	5.043	5.034	5.146	VV	118	4079	1.62%	0.837%
5	5.154	5.146	5.208	VV	23	444	0.18%	0.091%
6	5.213	5.208	5.247	VV	16	181	0.07%	0.037%
7	5.514	5.506	5.561	VV	21	469	0.19%	0.096%
8	5.571	5.561	5.617	VV	20	488	0.19%	0.100%
9	5.625	5.617	5.633	VV	18	140	0.06%	0.029%
10	5.645	5.633	5.655	VV	20	216	0.09%	0.044%
11	5.665	5.655	5.709	VV	23	333	0.13%	0.068%
12	5.722	5.709	5.748	PV	21	230	0.09%	0.047%
13	5.761	5.748	5.770	VV	14	158	0.06%	0.032%
14	5.776	5.770	5.812	VV	18	236	0.09%	0.048%
15	5.821	5.812	5.829	VV	16	112	0.04%	0.023%
16	5.839	5.829	5.907	PV	15	492	0.20%	0.101%
17	5.931	5.907	5.951	VV	28	332	0.13%	0.068%
18	5.963	5.951	5.971	VV	16	140	0.06%	0.029%
19	5.984	5.971	6.009	VV	26	367	0.15%	0.075%
20	6.051	6.009	6.070	VV	26	565	0.22%	0.116%
21	6.082	6.070	6.107	VV	42	478	0.19%	0.098%
22	6.117	6.107	6.140	VV	33	385	0.15%	0.079%
23	6.146	6.140	6.160	VV	23	181	0.07%	0.037%

24	6.193	6.160	6.222	VV	31	805	0.32%	0.165%
25	6.343	6.222	6.352	VV	206	8549	3.40%	1.755%
26	6.360	6.352	6.502	VV	204	10142	4.04%	2.082%
27	6.510	6.502	6.523	VV	27	267	0.11%	0.055%
28	6.532	6.523	6.544	VV	24	262	0.10%	0.054%
29	6.557	6.544	6.575	VV	32	476	0.19%	0.098%
30	6.582	6.575	6.594	VV	28	296	0.12%	0.061%
31	6.602	6.594	6.636	VV	34	622	0.25%	0.128%
32	6.667	6.636	6.687	VV	34	723	0.29%	0.148%
33	6.698	6.687	6.723	VV	35	568	0.23%	0.117%
34	6.754	6.723	6.766	VV	32	604	0.24%	0.124%
35	6.784	6.766	6.804	VV	28	559	0.22%	0.115%
36	6.838	6.804	6.867	VV	38	1099	0.44%	0.226%
37	6.895	6.867	6.905	VV	38	657	0.26%	0.135%
38	6.918	6.905	6.926	VV	43	395	0.16%	0.081%
39	6.970	6.926	6.991	VV	38	1211	0.48%	0.249%
40	7.045	6.991	7.054	VV	54	1306	0.52%	0.268%
41	7.065	7.054	7.073	VV	34	312	0.12%	0.064%
42	7.082	7.073	7.092	VV	36	320	0.13%	0.066%
43	7.110	7.092	7.122	VV	49	577	0.23%	0.118%
44	7.144	7.122	7.184	VV	43	1222	0.49%	0.251%
45	7.193	7.184	7.204	VV	48	472	0.19%	0.097%
46	7.207	7.204	7.222	VV	41	407	0.16%	0.083%
47	7.235	7.222	7.246	VV	43	550	0.22%	0.113%
48	7.258	7.246	7.312	VV	41	1020	0.41%	0.209%
49	7.322	7.312	7.326	PV	36	198	0.08%	0.041%
50	7.353	7.326	7.380	VV	48	1258	0.50%	0.258%
51	7.398	7.380	7.421	VV	48	962	0.38%	0.197%
52	7.431	7.421	7.465	VV	39	915	0.36%	0.188%
53	7.474	7.465	7.480	VV	42	340	0.14%	0.070%
54	7.497	7.480	7.536	VV	64	1772	0.71%	0.364%
55	7.551	7.536	7.575	VV	59	1169	0.47%	0.240%
56	7.584	7.575	7.629	VV	53	1586	0.63%	0.326%
57	7.641	7.629	7.653	VV	60	687	0.27%	0.141%
58	7.663	7.653	7.697	VV	55	1172	0.47%	0.241%
59	7.759	7.697	7.770	VV	52	1878	0.75%	0.385%
60	7.826	7.770	7.836	VV	56	1890	0.75%	0.388%
61	7.851	7.836	7.873	VV	50	1007	0.40%	0.207%
62	7.882	7.873	7.924	VV	52	1402	0.56%	0.288%

63	8.035	7.924	8.053	VV	157	7115	2.83%	1.460%
64	8.072	8.053	8.086	VV	155	3001	1.20%	0.616%
65	8.092	8.086	8.111	VV	155	2147	0.85%	0.441%
66	8.120	8.111	8.135	VV	149	1956	0.78%	0.401%
67	8.145	8.135	8.158	VV	129	1653	0.66%	0.339%
68	8.168	8.158	8.183	VV	125	1783	0.71%	0.366%
69	8.193	8.183	8.197	VV	123	1029	0.41%	0.211%
70	8.211	8.197	8.223	VV	136	1889	0.75%	0.388%
71	8.236	8.223	8.267	VV	116	2891	1.15%	0.593%
72	8.272	8.267	8.296	VV	109	1743	0.69%	0.358%
73	8.306	8.296	8.314	VV	103	1057	0.42%	0.217%
74	8.323	8.314	8.339	VV	102	1438	0.57%	0.295%
75	8.356	8.339	8.372	VV	112	1970	0.78%	0.404%
76	8.384	8.372	8.407	VV	96	1884	0.75%	0.387%
77	8.438	8.407	8.476	VV	92	3112	1.24%	0.639%
78	8.489	8.476	8.545	VV	68	1773	0.71%	0.364%
79	8.569	8.545	8.621	VV	48	1545	0.62%	0.317%
80	8.663	8.621	8.672	VV	54	1152	0.46%	0.236%
81	8.796	8.672	8.954	VV	4388	251124	100.00%	51.545%
82	8.960	8.954	8.991	VV	87	1493	0.59%	0.307%
83	9.002	8.991	9.018	VV	65	900	0.36%	0.185%
84	9.032	9.018	9.053	VV	60	1054	0.42%	0.216%
85	9.064	9.053	9.084	VV	57	853	0.34%	0.175%
86	9.116	9.084	9.154	VV	58	1759	0.70%	0.361%
87	9.182	9.154	9.204	VV	38	947	0.38%	0.194%
88	9.249	9.204	9.257	VV	50	1213	0.48%	0.249%
89	9.271	9.257	9.282	VV	47	541	0.22%	0.111%
90	9.291	9.282	9.340	VV	31	899	0.36%	0.185%
91	9.354	9.340	9.381	VV	29	630	0.25%	0.129%
92	9.413	9.381	9.440	VV	43	884	0.35%	0.182%
93	9.467	9.440	9.492	VV	29	738	0.29%	0.151%
94	9.505	9.492	9.516	VV	21	269	0.11%	0.055%
95	9.528	9.516	9.553	VV	29	507	0.20%	0.104%
96	9.577	9.553	9.597	VV	31	664	0.26%	0.136%
97	9.606	9.597	9.614	VV	29	259	0.10%	0.053%
98	9.635	9.614	9.664	VV	35	777	0.31%	0.160%
99	9.672	9.664	9.684	VV	35	323	0.13%	0.066%
100	9.691	9.684	9.702	VV	28	254	0.10%	0.052%
101	9.716	9.702	9.750	VV	30	689	0.27%	0.141%

102	9.759	9.750	9.768	VV	34	237	0.09%	0.049%
103	9.775	9.768	9.784	VV	25	196	0.08%	0.040%
104	9.795	9.784	9.839	VV	38	1004	0.40%	0.206%
105	9.862	9.839	9.883	VV	41	790	0.31%	0.162%
106	9.900	9.883	9.911	VV	38	521	0.21%	0.107%
107	9.927	9.911	9.951	VV	41	785	0.31%	0.161%
108	9.970	9.951	10.026	VV	35	1188	0.47%	0.244%
109	10.033	10.026	10.039	VV	34	227	0.09%	0.047%
110	10.057	10.039	10.083	VV	37	783	0.31%	0.161%
111	10.097	10.083	10.115	VV	33	445	0.18%	0.091%
112	10.124	10.115	10.154	VV	28	467	0.19%	0.096%
113	10.173	10.154	10.181	VV	27	359	0.14%	0.074%
114	10.201	10.181	10.220	VV	37	566	0.23%	0.116%
115	10.229	10.220	10.238	VV	25	212	0.08%	0.043%
116	10.271	10.238	10.283	VV	52	917	0.37%	0.188%
117	10.363	10.283	10.379	VV	116	4626	1.84%	0.949%
118	10.401	10.379	10.425	VV	121	2920	1.16%	0.599%
119	10.431	10.425	10.463	VV	108	1971	0.78%	0.405%
120	10.470	10.463	10.526	VV	78	1847	0.74%	0.379%
121	10.535	10.526	10.549	VV	47	499	0.20%	0.102%
122	10.591	10.549	10.602	VV	66	1468	0.58%	0.301%
123	10.616	10.602	10.701	VV	64	2690	1.07%	0.552%
124	10.736	10.701	10.746	VV	38	796	0.32%	0.163%
125	10.776	10.746	10.786	VV	49	723	0.29%	0.148%
126	10.794	10.786	10.815	VV	39	512	0.20%	0.105%
127	10.842	10.815	10.864	VV	47	791	0.31%	0.162%
128	10.880	10.864	10.889	VV	24	224	0.09%	0.046%
129	10.914	10.889	10.928	VV	30	418	0.17%	0.086%
130	10.935	10.928	10.946	VV	20	116	0.05%	0.024%
131	10.970	10.946	10.997	VV	30	631	0.25%	0.129%
132	11.010	10.997	11.030	VV	28	414	0.16%	0.085%
133	11.059	11.030	11.069	VV	29	530	0.21%	0.109%
134	11.078	11.069	11.103	VV	28	355	0.14%	0.073%
135	11.116	11.103	11.153	VV	23	566	0.23%	0.116%
136	11.163	11.153	11.181	VV	25	352	0.14%	0.072%
137	11.195	11.181	11.214	VV	34	419	0.17%	0.086%
138	11.221	11.214	11.238	VV	20	219	0.09%	0.045%
139	11.268	11.238	11.283	VV	43	595	0.24%	0.122%
140	11.294	11.283	11.320	VV	17	284	0.11%	0.058%

141	11.326	11.320	11.332	VV	23	104	0.04%	0.021%
142	11.342	11.332	11.352	VV	25	241	0.10%	0.049%
143	11.357	11.352	11.365	VV	19	134	0.05%	0.028%
144	11.375	11.365	11.387	VV	16	167	0.07%	0.034%
145	11.439	11.387	11.464	VV	38	1318	0.52%	0.270%
146	11.473	11.464	11.482	VV	36	314	0.12%	0.064%
147	11.490	11.482	11.496	VV	31	237	0.09%	0.049%
148	11.513	11.496	11.537	VV	41	741	0.30%	0.152%
149	11.550	11.537	11.560	VV	32	305	0.12%	0.063%
150	11.568	11.560	11.585	VV	24	280	0.11%	0.058%
151	11.603	11.585	11.620	VV	20	331	0.13%	0.068%
152	11.681	11.620	11.703	VV	28	851	0.34%	0.175%
153	11.714	11.703	11.736	VV	23	286	0.11%	0.059%
154	11.741	11.736	11.777	VV	14	267	0.11%	0.055%
155	11.788	11.777	11.797	VV	21	150	0.06%	0.031%
156	11.801	11.797	11.808	VV	14	57	0.02%	0.012%
157	11.884	11.808	11.971	VV	28	1674	0.67%	0.344%
158	12.027	11.971	12.043	VV	23	543	0.22%	0.112%
159	12.054	12.043	12.070	VV	31	296	0.12%	0.061%
160	12.090	12.070	12.099	VV	17	202	0.08%	0.041%
161	12.110	12.099	12.158	VV	24	437	0.17%	0.090%
162	12.178	12.158	12.189	VV	22	238	0.09%	0.049%
163	12.196	12.189	12.205	VV	16	94	0.04%	0.019%
164	12.237	12.205	12.250	VV	22	314	0.13%	0.064%
165	12.270	12.250	12.310	VV	21	438	0.17%	0.090%
166	12.329	12.310	12.345	VV	27	324	0.13%	0.066%
167	12.353	12.345	12.401	VV	22	416	0.17%	0.085%
168	12.418	12.401	12.449	VV	26	354	0.14%	0.073%
169	12.472	12.449	12.510	PV	23	386	0.15%	0.079%
170	12.523	12.510	12.533	VV	19	151	0.06%	0.031%
171	12.541	12.533	12.586	VV	18	317	0.13%	0.065%
172	12.620	12.586	12.642	VV	13	300	0.12%	0.062%
173	12.650	12.642	12.668	VV	11	128	0.05%	0.026%
174	12.678	12.668	12.700	VV	20	245	0.10%	0.050%
175	12.715	12.700	12.731	VV	22	299	0.12%	0.061%
176	12.742	12.731	12.764	VV	25	363	0.14%	0.075%
177	12.817	12.764	12.830	VV	33	778	0.31%	0.160%
178	12.892	12.830	12.902	VV	65	1584	0.63%	0.325%
179	12.915	12.902	12.937	VV	53	953	0.38%	0.196%
180	12.945	12.937	12.985	VV	41	869	0.35%	0.178%

181	12.991	12.985	13.004	VV	21	213	0.08%	0.044%
182	13.057	13.004	13.079	VV	38	1093	0.44%	0.224%
183	13.093	13.079	13.108	VV	36	439	0.17%	0.090%
184	13.202	13.108	13.263	VV	71	3807	1.52%	0.781%
185	13.291	13.263	13.319	VV	26	471	0.19%	0.097%
186	13.334	13.319	13.352	VV	17	237	0.09%	0.049%
187	13.366	13.352	13.374	VV	23	206	0.08%	0.042%
188	13.382	13.374	13.398	VV	21	200	0.08%	0.041%
189	13.418	13.398	13.435	VV	22	291	0.12%	0.060%
190	13.489	13.435	13.519	VV	24	921	0.37%	0.189%
191	13.552	13.519	13.580	VV	23	502	0.20%	0.103%
192	13.602	13.580	13.610	PV	25	290	0.12%	0.059%
193	13.624	13.610	13.651	VV	27	485	0.19%	0.100%
194	13.691	13.651	13.699	VV	22	394	0.16%	0.081%
195	13.711	13.699	13.722	VV	16	190	0.08%	0.039%
196	13.751	13.722	13.779	VV	32	756	0.30%	0.155%
197	13.797	13.779	13.808	VV	61	634	0.25%	0.130%
198	13.814	13.808	13.840	VV	43	589	0.23%	0.121%
199	13.853	13.840	13.864	VV	41	453	0.18%	0.093%
200	13.930	13.864	13.948	VV	79	2800	1.12%	0.575%
201	13.959	13.948	13.973	VV	83	970	0.39%	0.199%
202	14.003	13.973	14.014	VV	61	1396	0.56%	0.287%
203	14.026	14.014	14.036	VV	61	746	0.30%	0.153%
204	14.093	14.036	14.102	VV	141	4111	1.64%	0.844%
205	14.113	14.102	14.122	VV	143	1680	0.67%	0.345%
206	14.133	14.122	14.234	VV	154	6372	2.54%	1.308%
207	14.268	14.234	14.285	VV	33	719	0.29%	0.148%
208	14.299	14.285	14.315	VV	17	194	0.08%	0.040%
209	14.323	14.315	14.334	VV	20	124	0.05%	0.026%
210	14.346	14.334	14.355	VV	17	143	0.06%	0.029%
211	14.365	14.355	14.375	VV	27	198	0.08%	0.041%
212	14.388	14.375	14.412	VV	20	279	0.11%	0.057%
213	14.433	14.412	14.451	VV	21	278	0.11%	0.057%
214	14.465	14.451	14.473	VV	16	155	0.06%	0.032%
215	14.498	14.473	14.512	VV	29	350	0.14%	0.072%
216	14.535	14.512	14.554	PV	12	163	0.06%	0.033%
217	14.565	14.554	14.596	VV	24	275	0.11%	0.056%
218	14.632	14.596	14.651	VV	19	353	0.14%	0.072%
219	14.670	14.651	14.699	VV	17	395	0.16%	0.081%

220	14.715	14.699	14.727	VV	19	238	0.09%	0.049%
221	14.742	14.727	14.769	VV	20	247	0.10%	0.051%
222	14.799	14.769	14.808	PV	27	323	0.13%	0.066%
223	14.816	14.808	14.838	VV	14	192	0.08%	0.039%
224	14.855	14.838	14.868	VV	18	171	0.07%	0.035%
225	14.884	14.868	14.897	VV	13	132	0.05%	0.027%
226	14.926	14.897	14.953	VV	22	391	0.16%	0.080%
227	15.071	14.953	15.081	VV	59	2997	1.19%	0.615%
228	15.086	15.081	15.098	VV	50	398	0.16%	0.082%
229	15.117	15.098	15.132	VV	33	432	0.17%	0.089%
230	15.142	15.132	15.164	VV	21	199	0.08%	0.041%
231	15.191	15.164	15.202	VV	24	275	0.11%	0.056%
232	15.217	15.202	15.241	VV	26	347	0.14%	0.071%
233	15.263	15.241	15.296	VV	20	345	0.14%	0.071%
234	15.312	15.296	15.327	PV	22	233	0.09%	0.048%
235	15.373	15.327	15.394	VV	40	981	0.39%	0.201%
236	15.404	15.394	15.412	VV	41	374	0.15%	0.077%
237	15.420	15.412	15.430	VV	39	357	0.14%	0.073%
238	15.439	15.430	15.451	VV	41	359	0.14%	0.074%
239	15.459	15.451	15.468	VV	31	277	0.11%	0.057%
240	15.482	15.468	15.490	VV	36	380	0.15%	0.078%
241	15.533	15.490	15.553	VV	40	1193	0.48%	0.245%
242	15.577	15.553	15.609	VV	22	458	0.18%	0.094%
243	15.617	15.609	15.629	VV	11	87	0.03%	0.018%
244	15.655	15.629	15.665	VV	18	232	0.09%	0.048%
245	15.713	15.665	15.736	VV	30	703	0.28%	0.144%
246	15.759	15.736	15.775	VV	32	448	0.18%	0.092%
247	15.785	15.775	15.802	VV	25	256	0.10%	0.052%
248	15.809	15.802	15.829	VV	19	141	0.06%	0.029%
249	15.840	15.829	15.848	VV	8	55	0.02%	0.011%
250	15.897	15.848	15.903	VV	16	330	0.13%	0.068%
251	15.913	15.903	15.921	VV	20	155	0.06%	0.032%
252	15.931	15.921	15.942	VV	21	210	0.08%	0.043%
253	15.948	15.942	15.982	VV	21	356	0.14%	0.073%
254	15.996	15.982	16.021	VV	29	421	0.17%	0.086%
255	16.031	16.021	16.052	VV	25	261	0.10%	0.054%
256	16.061	16.052	16.084	VV	20	140	0.06%	0.029%
257	16.095	16.084	16.104	PV	8	60	0.02%	0.012%
258	16.205	16.104	16.265	PV	87	4718	1.88%	0.969%

259	16.275	16.265	16.311	VV	50	696	0.28%	0.143%
260	16.372	16.311	16.388	VV	35	1024	0.41%	0.210%
261	16.397	16.388	16.425	VV	35	609	0.24%	0.125%
262	16.465	16.425	16.475	VV	52	1178	0.47%	0.242%
263	16.483	16.475	16.498	VV	55	610	0.24%	0.125%
264	16.520	16.498	16.547	VV	41	790	0.31%	0.162%
265	16.575	16.547	16.588	PV	37	482	0.19%	0.099%
266	16.601	16.588	16.608	VV	25	208	0.08%	0.043%
267	16.640	16.608	16.668	VV	37	894	0.36%	0.184%
268	16.709	16.668	16.720	PV	35	762	0.30%	0.156%
269	16.734	16.720	16.750	VV	52	788	0.31%	0.162%
270	16.774	16.750	16.782	VV	64	1010	0.40%	0.207%
271	16.805	16.782	16.847	VV	70	2521	1.00%	0.518%
272	16.861	16.847	16.871	VV	88	1056	0.42%	0.217%
273	16.875	16.871	16.887	VV	71	591	0.24%	0.121%
274	16.904	16.887	16.965	VV	62	2114	0.84%	0.434%
275	16.973	16.965	17.037	VV	27	651	0.26%	0.134%
276	17.068	17.037	17.077	PV	16	189	0.08%	0.039%

Sum of corrected areas: 487195

FB062325.M Sat Jun 28 05:55:22 2025

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-86	SDG No.:	Q2436
Lab Sample ID:	Q2436-04	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	88.7 Decanted:
Sample Wt/Vol:	4.08 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031971.D	50	06/30/25 12:59	FB063025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	589	J	571	3110	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	24.7		50 - 150	123%	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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB063025\
Data File : FB031971.D
Signal(s) : FID2B.CH
Acq On : 30 Jun 2025 12:59
Operator : YP/AJ
Sample : Q2436-04 50X
Misc : 4.08G/5.00 ML MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-86

Integration File: Calibration.e
Quant Time: Jul 01 01:07:22 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	381071	24.700 ng/ml
Target Compounds			

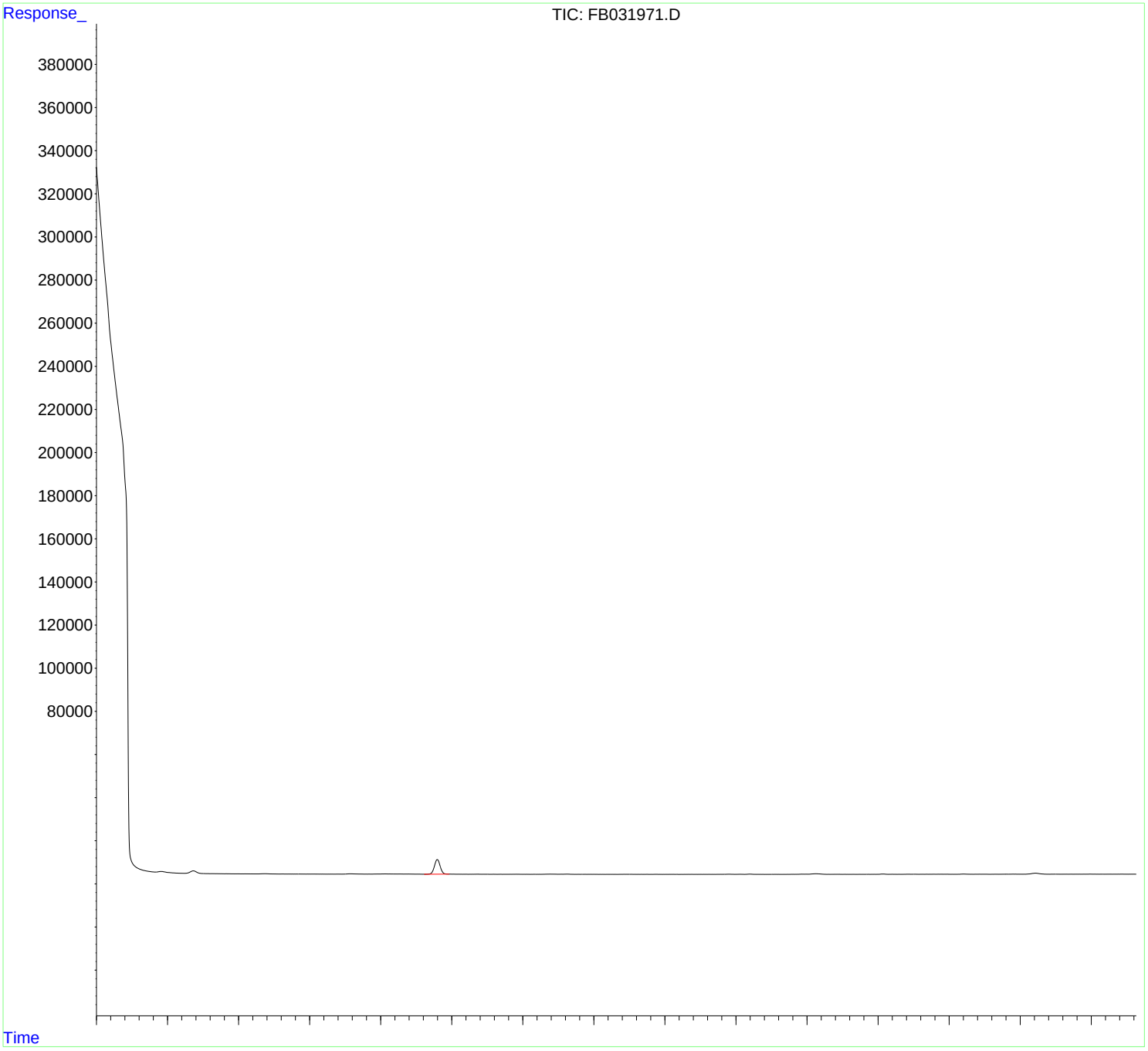
(f)=RT Delta > 1/2 Window (m)=manual int.

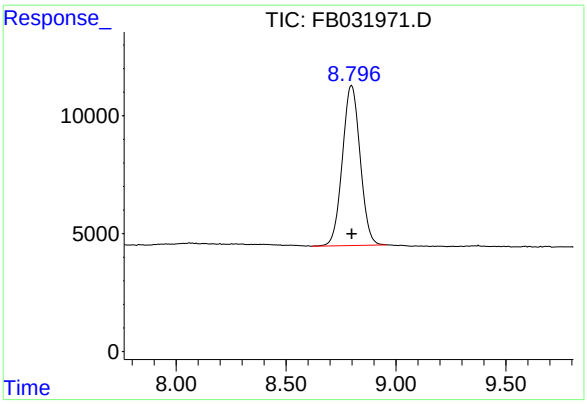
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB063025\
Data File : FB031971.D
Signal(s) : FID2B.CH
Acq On : 30 Jun 2025 12:59
Operator : YP/AJ
Sample : Q2436-04 50X
Misc : 4.08G/5.00 ML MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-86

Integration File: Calibration.e
Quant Time: Jul 01 01:07:22 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:	381071
Conc:	24.70 ng/ml

Instrument :
FID_B
ClientSampleId :
TP-86

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB063025\
Data File : FB031971.D
Signal(s) : FID2B.CH
Acq On : 30 Jun 2025 12:59
Sample : Q2436-04
Misc : 4.08G/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	% max.	% of total
1	5.239	5.230	5.244	PV	17	88	0.02%	0.014%
2	5.553	5.540	5.562	PV	14	114	0.03%	0.018%
3	5.575	5.562	5.599	VV	27	266	0.07%	0.042%
4	5.631	5.599	5.648	PV	27	478	0.12%	0.075%
5	5.655	5.648	5.680	VV	27	302	0.08%	0.048%
6	5.705	5.680	5.751	VV	23	650	0.17%	0.102%
7	5.759	5.751	5.782	VV	16	188	0.05%	0.030%
8	5.790	5.782	5.809	VV	12	87	0.02%	0.014%
9	5.830	5.809	5.845	PV	33	312	0.08%	0.049%
10	5.862	5.845	5.873	VV	25	289	0.07%	0.045%
11	5.882	5.873	5.901	VV	22	217	0.06%	0.034%
12	5.929	5.901	5.942	PV	20	251	0.06%	0.040%
13	5.951	5.942	5.963	PV	26	139	0.04%	0.022%
14	5.973	5.963	5.982	VV	18	150	0.04%	0.024%
15	5.992	5.982	6.006	VV	32	288	0.07%	0.045%
16	6.015	6.006	6.036	VV	21	255	0.07%	0.040%
17	6.093	6.036	6.149	VV	30	1074	0.27%	0.169%
18	6.155	6.149	6.182	VV	25	378	0.10%	0.060%
19	6.208	6.182	6.267	VV	29	795	0.20%	0.125%
20	6.370	6.267	6.508	VV	126	9754	2.49%	1.537%
21	6.519	6.508	6.546	VV	32	347	0.09%	0.055%
22	6.554	6.546	6.579	PV	15	96	0.02%	0.015%
23	6.619	6.579	6.672	PV	31	719	0.18%	0.113%

24	6.680	6.672	6.687	VV	10	52	0.01%	0.008%
25	6.717	6.687	6.744	VV	18	371	0.09%	0.058%
26	6.753	6.744	6.777	VV	16	166	0.04%	0.026%
27	6.792	6.777	6.806	VV	21	205	0.05%	0.032%
28	6.821	6.806	6.831	VV	27	224	0.06%	0.035%
29	6.839	6.831	6.846	VV	26	151	0.04%	0.024%
30	6.856	6.846	6.865	VV	37	264	0.07%	0.042%
31	6.873	6.865	6.928	VV	27	699	0.18%	0.110%
32	6.933	6.928	6.959	VV	19	212	0.05%	0.033%
33	6.972	6.959	7.019	PV	34	582	0.15%	0.092%
34	7.048	7.019	7.056	VV	25	387	0.10%	0.061%
35	7.075	7.056	7.087	VV	38	467	0.12%	0.074%
36	7.091	7.087	7.169	VV	30	838	0.21%	0.132%
37	7.185	7.169	7.201	VV	25	218	0.06%	0.034%
38	7.212	7.201	7.223	VV	10	111	0.03%	0.018%
39	7.231	7.223	7.239	VV	14	92	0.02%	0.014%
40	7.248	7.239	7.260	VV	13	107	0.03%	0.017%
41	7.272	7.260	7.289	VV	29	207	0.05%	0.033%
42	7.301	7.289	7.312	PV	29	206	0.05%	0.032%
43	7.323	7.312	7.346	VV	17	233	0.06%	0.037%
44	7.357	7.346	7.365	VV	16	138	0.04%	0.022%
45	7.383	7.365	7.429	VV	29	748	0.19%	0.118%
46	7.434	7.429	7.452	VV	24	209	0.05%	0.033%
47	7.572	7.452	7.777	VV	169	16697	4.27%	2.631%
48	7.803	7.777	7.821	VV	41	884	0.23%	0.139%
49	7.831	7.821	7.872	VV	56	1213	0.31%	0.191%
50	7.955	7.872	7.991	VV	90	4662	1.19%	0.735%
51	8.060	7.991	8.084	VV	138	5996	1.53%	0.945%
52	8.091	8.084	8.109	VV	126	1541	0.39%	0.243%
53	8.127	8.109	8.185	VV	115	4456	1.14%	0.702%
54	8.200	8.185	8.210	VV	106	1315	0.34%	0.207%
55	8.218	8.210	8.239	VV	89	1387	0.35%	0.218%
56	8.254	8.239	8.262	VV	103	1231	0.31%	0.194%
57	8.273	8.262	8.286	VV	102	1314	0.34%	0.207%
58	8.296	8.286	8.301	VV	91	762	0.19%	0.120%
59	8.305	8.301	8.335	VV	93	1557	0.40%	0.245%
60	8.343	8.335	8.350	VV	83	693	0.18%	0.109%
61	8.364	8.350	8.392	VV	82	1937	0.50%	0.305%
62	8.399	8.392	8.512	VV	82	4332	1.11%	0.683%

63	8.523	8.512	8.592	VV	53	1736	0.44%	0.274%
64	8.601	8.592	8.616	VV	28	238	0.06%	0.037%
65	8.633	8.616	8.644	VV	24	282	0.07%	0.044%
66	8.798	8.644	9.011	VV	6837	391336	100.00%	61.663%
67	9.024	9.011	9.074	VV	63	1617	0.41%	0.255%
68	9.090	9.074	9.104	VV	38	547	0.14%	0.086%
69	9.115	9.104	9.128	VV	37	407	0.10%	0.064%
70	9.138	9.128	9.157	VV	34	449	0.11%	0.071%
71	9.169	9.157	9.177	VV	27	272	0.07%	0.043%
72	9.189	9.177	9.244	VV	30	875	0.22%	0.138%
73	9.260	9.244	9.280	VV	31	453	0.12%	0.071%
74	9.295	9.280	9.306	VV	32	384	0.10%	0.060%
75	9.322	9.306	9.336	VV	39	547	0.14%	0.086%
76	9.375	9.336	9.431	VV	75	2156	0.55%	0.340%
77	9.449	9.431	9.460	VV	33	447	0.11%	0.070%
78	9.469	9.460	9.478	VV	33	252	0.06%	0.040%
79	9.491	9.478	9.500	VV	37	342	0.09%	0.054%
80	9.513	9.500	9.528	VV	34	344	0.09%	0.054%
81	9.544	9.528	9.554	VV	12	167	0.04%	0.026%
82	9.590	9.554	9.599	VV	42	569	0.15%	0.090%
83	9.608	9.599	9.623	VV	36	285	0.07%	0.045%
84	9.635	9.623	9.646	VV	17	123	0.03%	0.019%
85	9.658	9.646	9.667	PV	36	191	0.05%	0.030%
86	9.681	9.667	9.712	VV	37	693	0.18%	0.109%
87	9.757	9.712	9.777	VV	20	547	0.14%	0.086%
88	9.783	9.777	9.795	VV	20	187	0.05%	0.029%
89	9.820	9.795	9.840	VV	32	632	0.16%	0.100%
90	9.849	9.840	9.856	VV	33	266	0.07%	0.042%
91	9.873	9.856	9.884	VV	39	569	0.15%	0.090%
92	9.913	9.884	9.925	VV	47	1026	0.26%	0.162%
93	9.937	9.925	10.018	VV	45	1562	0.40%	0.246%
94	10.026	10.018	10.045	VV	25	329	0.08%	0.052%
95	10.059	10.045	10.071	VV	45	440	0.11%	0.069%
96	10.085	10.071	10.104	VV	25	329	0.08%	0.052%
97	10.160	10.104	10.169	PV	39	753	0.19%	0.119%
98	10.182	10.169	10.194	VV	42	397	0.10%	0.063%
99	10.206	10.194	10.221	VV	37	348	0.09%	0.055%
100	10.231	10.221	10.260	VV	35	620	0.16%	0.098%
101	10.380	10.260	10.389	VV	102	4979	1.27%	0.784%

102	10.397	10.389	10.447	VV	100	3002	0.77%	0.473%
103	10.455	10.447	10.468	VV	78	911	0.23%	0.143%
104	10.476	10.468	10.496	VV	82	1014	0.26%	0.160%
105	10.547	10.496	10.574	VV	70	2691	0.69%	0.424%
106	10.616	10.574	10.624	VV	106	2596	0.66%	0.409%
107	10.631	10.624	10.679	VV	103	2508	0.64%	0.395%
108	10.691	10.679	10.699	VV	47	415	0.11%	0.065%
109	10.710	10.699	10.729	VV	37	453	0.12%	0.071%
110	10.741	10.729	10.750	VV	26	240	0.06%	0.038%
111	10.783	10.750	10.807	VV	39	817	0.21%	0.129%
112	10.816	10.807	10.825	VV	26	214	0.05%	0.034%
113	10.835	10.825	10.844	VV	35	318	0.08%	0.050%
114	10.854	10.844	10.860	VV	30	232	0.06%	0.037%
115	10.873	10.860	10.893	VV	31	521	0.13%	0.082%
116	10.901	10.893	10.914	VV	24	274	0.07%	0.043%
117	10.920	10.914	10.925	VV	29	170	0.04%	0.027%
118	10.933	10.925	10.944	VV	34	310	0.08%	0.049%
119	10.948	10.944	10.954	VV	30	138	0.04%	0.022%
120	10.962	10.954	10.973	VV	33	315	0.08%	0.050%
121	10.993	10.973	11.011	VV	33	581	0.15%	0.091%
122	11.019	11.011	11.028	VV	42	273	0.07%	0.043%
123	11.047	11.028	11.080	VV	29	424	0.11%	0.067%
124	11.092	11.080	11.105	VV	34	227	0.06%	0.036%
125	11.122	11.105	11.132	VV	24	202	0.05%	0.032%
126	11.142	11.132	11.164	VV	19	207	0.05%	0.033%
127	11.195	11.164	11.217	VV	25	498	0.13%	0.079%
128	11.233	11.217	11.245	VV	23	284	0.07%	0.045%
129	11.255	11.245	11.287	VV	20	386	0.10%	0.061%
130	11.293	11.287	11.342	VV	21	428	0.11%	0.067%
131	11.367	11.342	11.378	VV	35	496	0.13%	0.078%
132	11.458	11.378	11.487	VV	48	2285	0.58%	0.360%
133	11.508	11.487	11.520	VV	43	761	0.19%	0.120%
134	11.534	11.520	11.565	VV	41	811	0.21%	0.128%
135	11.575	11.565	11.598	VV	31	406	0.10%	0.064%
136	11.614	11.598	11.652	VV	33	653	0.17%	0.103%
137	11.677	11.652	11.692	VV	27	493	0.13%	0.078%
138	11.713	11.692	11.721	PV	29	321	0.08%	0.051%
139	11.753	11.721	11.764	VV	47	730	0.19%	0.115%
140	11.768	11.764	11.794	VV	24	289	0.07%	0.045%

141	11.806	11.794	11.835	VV	25	428	0.11%	0.067%
142	11.864	11.835	11.876	VV	52	734	0.19%	0.116%
143	11.886	11.876	11.891	VV	45	331	0.08%	0.052%
144	11.896	11.891	11.912	VV	48	405	0.10%	0.064%
145	11.922	11.912	11.936	VV	28	293	0.07%	0.046%
146	11.945	11.936	11.970	VV	23	296	0.08%	0.047%
147	11.980	11.970	11.994	VV	29	239	0.06%	0.038%
148	12.002	11.994	12.009	VV	21	162	0.04%	0.026%
149	12.018	12.009	12.046	VV	25	435	0.11%	0.069%
150	12.065	12.046	12.083	VV	33	488	0.12%	0.077%
151	12.093	12.083	12.110	VV	28	335	0.09%	0.053%
152	12.119	12.110	12.161	VV	39	585	0.15%	0.092%
153	12.177	12.161	12.191	VV	37	354	0.09%	0.056%
154	12.239	12.191	12.257	PV	19	285	0.07%	0.045%
155	12.281	12.257	12.297	PV	22	368	0.09%	0.058%
156	12.304	12.297	12.314	VV	27	179	0.05%	0.028%
157	12.326	12.314	12.360	VV	27	589	0.15%	0.093%
158	12.371	12.360	12.381	VV	35	348	0.09%	0.055%
159	12.388	12.381	12.398	VV	31	247	0.06%	0.039%
160	12.411	12.398	12.431	VV	25	361	0.09%	0.057%
161	12.442	12.431	12.463	VV	26	320	0.08%	0.050%
162	12.499	12.463	12.510	VV	39	635	0.16%	0.100%
163	12.517	12.510	12.525	VV	25	190	0.05%	0.030%
164	12.546	12.525	12.575	VV	38	692	0.18%	0.109%
165	12.583	12.575	12.602	VV	26	324	0.08%	0.051%
166	12.613	12.602	12.623	VV	27	273	0.07%	0.043%
167	12.632	12.623	12.649	VV	34	346	0.09%	0.055%
168	12.673	12.649	12.683	VV	24	381	0.10%	0.060%
169	12.696	12.683	12.718	VV	25	380	0.10%	0.060%
170	12.784	12.718	12.793	VV	42	1381	0.35%	0.218%
171	12.815	12.793	12.848	VV	38	1126	0.29%	0.177%
172	12.894	12.848	12.982	VV	86	4595	1.17%	0.724%
173	12.995	12.982	13.004	VV	38	363	0.09%	0.057%
174	13.018	13.004	13.027	VV	45	510	0.13%	0.080%
175	13.044	13.027	13.060	VV	61	977	0.25%	0.154%
176	13.068	13.060	13.088	VV	58	841	0.21%	0.133%
177	13.102	13.088	13.123	VV	52	724	0.19%	0.114%
178	13.188	13.123	13.288	VV	121	6246	1.60%	0.984%
179	13.313	13.288	13.325	VV	38	543	0.14%	0.086%
180	13.340	13.325	13.358	VV	29	422	0.11%	0.066%

181	13.385	13.358	13.402	VV	28	458	0.12%	0.072%
182	13.414	13.402	13.438	PV	20	243	0.06%	0.038%
183	13.457	13.438	13.475	VV	18	264	0.07%	0.042%
184	13.485	13.475	13.496	VV	25	200	0.05%	0.032%
185	13.509	13.496	13.530	VV	26	419	0.11%	0.066%
186	13.550	13.530	13.593	VV	31	830	0.21%	0.131%
187	13.602	13.593	13.612	VV	28	231	0.06%	0.036%
188	13.622	13.612	13.631	VV	24	205	0.05%	0.032%
189	13.673	13.631	13.706	VV	22	723	0.18%	0.114%
190	13.731	13.706	13.740	VV	26	386	0.10%	0.061%
191	13.804	13.740	13.824	VV	48	1648	0.42%	0.260%
192	13.839	13.824	13.848	VV	41	502	0.13%	0.079%
193	13.874	13.848	13.881	VV	49	804	0.21%	0.127%
194	13.925	13.881	13.936	VV	113	2611	0.67%	0.411%
195	13.952	13.936	13.967	VV	95	1587	0.41%	0.250%
196	13.976	13.967	14.001	VV	91	1750	0.45%	0.276%
197	14.009	14.001	14.019	VV	90	932	0.24%	0.147%
198	14.125	14.019	14.249	VV	287	24383	6.23%	3.842%
199	14.257	14.249	14.272	VV	46	489	0.12%	0.077%
200	14.300	14.272	14.320	VV	34	663	0.17%	0.105%
201	14.356	14.320	14.368	VV	29	624	0.16%	0.098%
202	14.392	14.368	14.410	VV	42	742	0.19%	0.117%
203	14.440	14.410	14.448	VV	34	701	0.18%	0.110%
204	14.456	14.448	14.499	VV	43	595	0.15%	0.094%
205	14.529	14.499	14.585	VV	26	796	0.20%	0.125%
206	14.603	14.585	14.619	VV	16	205	0.05%	0.032%
207	14.652	14.619	14.688	VV	30	581	0.15%	0.092%
208	14.694	14.688	14.704	VV	13	79	0.02%	0.012%
209	14.714	14.704	14.724	VV	20	142	0.04%	0.022%
210	14.745	14.724	14.758	VV	26	354	0.09%	0.056%
211	14.769	14.758	14.813	VV	18	382	0.10%	0.060%
212	14.866	14.813	14.894	VV	25	697	0.18%	0.110%
213	14.906	14.894	14.933	VV	29	421	0.11%	0.066%
214	14.947	14.933	14.972	VV	22	407	0.10%	0.064%
215	14.997	14.972	15.007	VV	34	469	0.12%	0.074%
216	15.077	15.007	15.145	VV	141	6281	1.60%	0.990%
217	15.158	15.145	15.172	VV	26	333	0.08%	0.052%
218	15.211	15.172	15.221	VV	45	890	0.23%	0.140%
219	15.230	15.221	15.243	VV	37	273	0.07%	0.043%

220	15.255	15.243	15.266	VV	40	263	0.07%	0.041%
221	15.284	15.266	15.301	PV	26	337	0.09%	0.053%
222	15.312	15.301	15.324	VV	29	232	0.06%	0.036%
223	15.333	15.324	15.355	VV	18	240	0.06%	0.038%
224	15.371	15.355	15.379	VV	35	336	0.09%	0.053%
225	15.428	15.379	15.437	VV	63	1609	0.41%	0.253%
226	15.448	15.437	15.489	VV	61	1308	0.33%	0.206%
227	15.529	15.489	15.573	VV	51	1832	0.47%	0.289%
228	15.602	15.573	15.615	VV	34	657	0.17%	0.104%
229	15.622	15.615	15.640	VV	35	436	0.11%	0.069%
230	15.647	15.640	15.662	VV	29	312	0.08%	0.049%
231	15.686	15.662	15.713	VV	46	1034	0.26%	0.163%
232	15.792	15.713	15.831	VV	50	2483	0.63%	0.391%
233	15.849	15.831	15.860	VV	54	726	0.19%	0.114%
234	15.875	15.860	15.926	VV	51	1578	0.40%	0.249%
235	15.947	15.926	15.957	VV	44	665	0.17%	0.105%
236	15.976	15.957	16.035	VV	55	1228	0.31%	0.194%
237	16.046	16.035	16.074	VV	24	324	0.08%	0.051%
238	16.083	16.074	16.089	VV	18	100	0.03%	0.016%
239	16.097	16.089	16.106	VV	19	123	0.03%	0.019%
240	16.131	16.106	16.139	VV	28	336	0.09%	0.053%
241	16.205	16.139	16.302	VV	107	5887	1.50%	0.928%
242	16.313	16.302	16.341	VV	25	392	0.10%	0.062%
243	16.380	16.341	16.391	VV	32	680	0.17%	0.107%
244	16.405	16.391	16.414	VV	28	332	0.08%	0.052%
245	16.428	16.414	16.462	VV	51	864	0.22%	0.136%
246	16.470	16.462	16.490	VV	30	404	0.10%	0.064%
247	16.507	16.490	16.556	VV	35	948	0.24%	0.149%
248	16.565	16.556	16.580	VV	11	72	0.02%	0.011%
249	16.590	16.580	16.596	PV	12	57	0.01%	0.009%
250	16.642	16.596	16.663	VV	25	686	0.18%	0.108%
251	16.672	16.663	16.703	VV	22	338	0.09%	0.053%
252	16.714	16.703	16.728	VV	26	198	0.05%	0.031%
253	16.765	16.728	16.774	VV	28	505	0.13%	0.080%
254	16.798	16.774	16.806	VV	41	578	0.15%	0.091%
255	16.816	16.806	16.828	VV	44	404	0.10%	0.064%
256	16.865	16.828	16.873	VV	32	642	0.16%	0.101%
257	16.901	16.873	16.929	VV	51	1300	0.33%	0.205%
258	16.937	16.929	16.965	VV	52	656	0.17%	0.103%

259	16.977	16.965	16.991	VV	27	250	0.06%	0.039%
260	17.000	16.991	17.015	VV	22	204	0.05%	0.032%
261	17.024	17.015	17.037	PV	13	121	0.03%	0.019%
262	17.055	17.037	17.078	VV	13	252	0.06%	0.040%
		Sum of corrected areas:				634640		

FB062325.M Tue Jul 01 01:44:47 2025

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-84	SDG No.:	Q2436
Lab Sample ID:	Q2436-05	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	92.3 Decanted:
Sample Wt/Vol:	4.18 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031953.D	1	06/27/25 14:09	FB062725

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	13.7		50 - 150	68%	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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB062725\
Data File : FB031953.D
Signal(s) : FID2B.CH
Acq On : 27 Jun 2025 14:09
Operator : YP/AJ
Sample : Q2436-05
Misc : 4.18G/5.00 ML DI WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-84

Integration File: Calibration.e
Quant Time: Jun 28 05:15:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
Quant Title :
QLast Update : Mon Jun 23 13:56:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
5) s AAA-TFT	8.796	210577	13.649 ng/ml
Target Compounds			

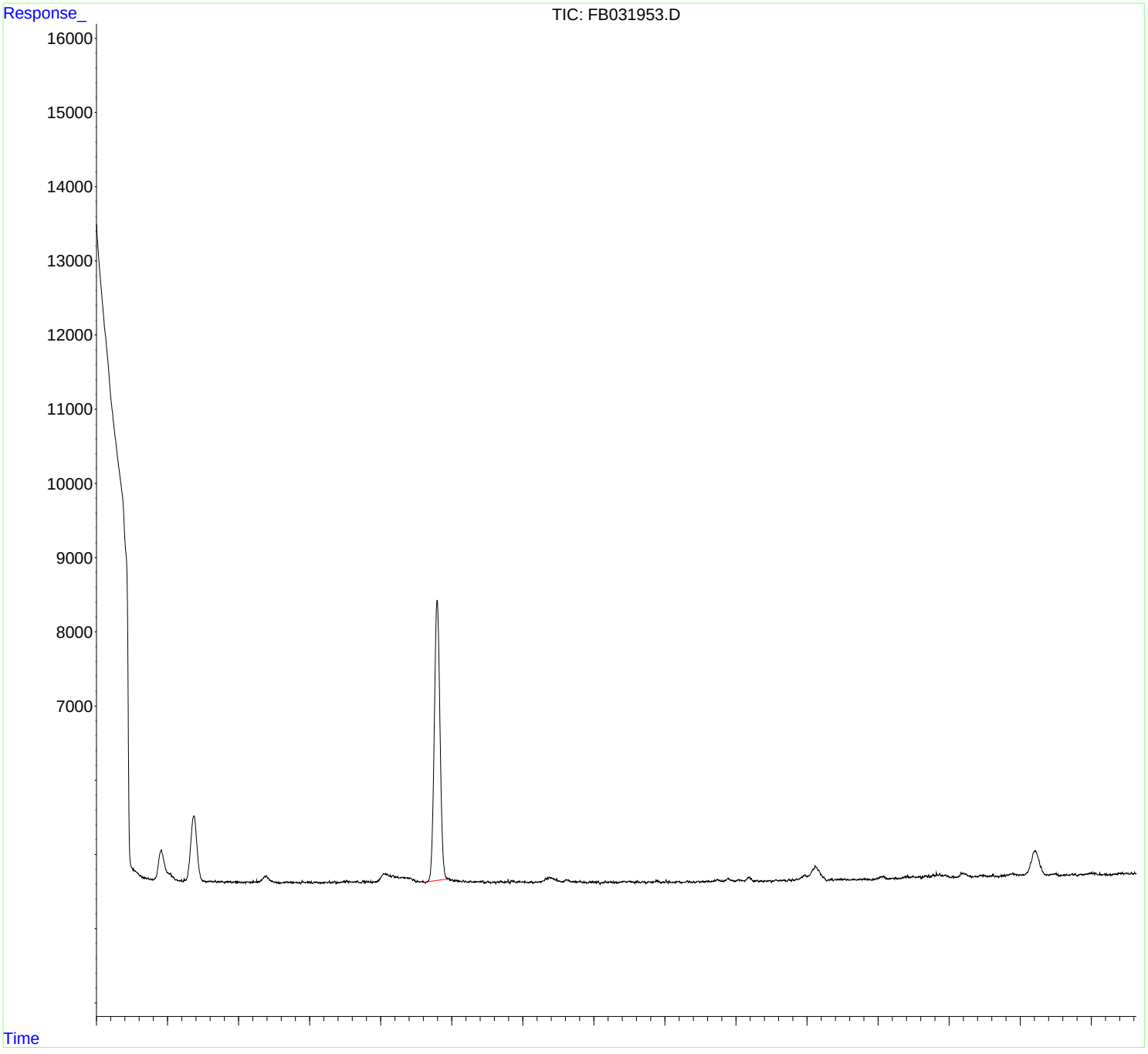
(f)=RT Delta > 1/2 Window (m)=manual int.

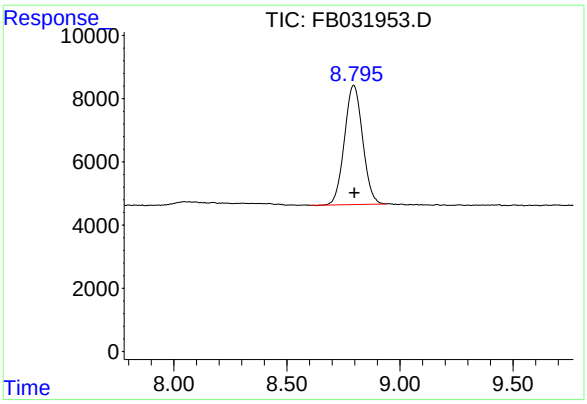
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB062725\
Data File : FB031953.D
Signal(s) : FID2B.CH
Acq On : 27 Jun 2025 14:09
Operator : YP/AJ
Sample : Q2436-05
Misc : 4.18G/5.00 ML DI WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-84

Integration File: Calibration.e
Quant Time: Jun 28 05:15:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
Quant Title :
QLast Update : Mon Jun 23 13:56:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#5 AAA-TFT

R.T.:	8.796 min
Delta R.T.:	-0.002 min
Response:	210577
Conc:	13.65 ng/ml

Instrument :
FID_B
ClientSampleId :
TP-84

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB062725\
Data File : FB031953.D
Signal(s) : FID2B.CH
Acq On : 27 Jun 2025 14:09
Sample : Q2436-05
Misc : 4.18G/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	% max.	% of total
1	4.652	4.604	4.682	BV	7	-2	-0.00%	-0.000%
2	4.695	4.682	4.712	PV	12	99	0.05%	0.023%
3	4.729	4.712	4.798	PV	15	288	0.13%	0.067%
4	5.044	5.032	5.114	VV	107	2967	1.35%	0.687%
5	5.123	5.114	5.148	VV	24	344	0.16%	0.080%
6	5.165	5.148	5.216	VV	12	341	0.16%	0.079%
7	5.554	5.545	5.564	PV	13	100	0.05%	0.023%
8	5.597	5.564	5.649	VV	21	726	0.33%	0.168%
9	5.672	5.649	5.715	VV	24	484	0.22%	0.112%
10	5.724	5.715	5.748	VV	22	274	0.12%	0.063%
11	5.766	5.748	5.804	VV	26	467	0.21%	0.108%
12	5.829	5.804	5.854	VV	21	438	0.20%	0.101%
13	5.891	5.854	5.906	VV	25	507	0.23%	0.117%
14	5.920	5.906	5.928	PV	21	134	0.06%	0.031%
15	5.954	5.928	5.962	VV	23	328	0.15%	0.076%
16	5.969	5.962	5.991	VV	24	240	0.11%	0.056%
17	6.004	5.991	6.028	VV	26	299	0.14%	0.069%
18	6.041	6.028	6.053	VV	20	190	0.09%	0.044%
19	6.094	6.053	6.101	VV	19	365	0.17%	0.085%
20	6.125	6.101	6.136	VV	23	370	0.17%	0.086%
21	6.152	6.136	6.165	VV	20	278	0.13%	0.064%
22	6.175	6.165	6.194	VV	22	268	0.12%	0.062%
23	6.204	6.194	6.263	VV	26	718	0.33%	0.166%

24	6.274	6.263	6.283	VV	25	261	0.12%	0.060%
25	6.394	6.283	6.466	VV	107	6597	3.01%	1.527%
26	6.473	6.466	6.501	VV	34	531	0.24%	0.123%
27	6.514	6.501	6.543	VV	24	423	0.19%	0.098%
28	6.557	6.543	6.577	VV	19	194	0.09%	0.045%
29	6.595	6.577	6.603	VV	12	126	0.06%	0.029%
30	6.613	6.603	6.622	VV	13	118	0.05%	0.027%
31	6.682	6.622	6.697	VV	32	808	0.37%	0.187%
32	6.731	6.697	6.752	VV	27	578	0.26%	0.134%
33	6.761	6.752	6.791	VV	21	326	0.15%	0.075%
34	6.803	6.791	6.828	VV	23	375	0.17%	0.087%
35	6.836	6.828	6.850	VV	16	161	0.07%	0.037%
36	6.864	6.850	6.874	VV	18	168	0.08%	0.039%
37	6.896	6.874	6.950	PV	38	893	0.41%	0.207%
38	6.975	6.950	7.013	VV	29	755	0.34%	0.175%
39	7.024	7.013	7.048	VV	28	261	0.12%	0.060%
40	7.066	7.048	7.083	VV	25	383	0.17%	0.089%
41	7.097	7.083	7.165	VV	31	781	0.36%	0.181%
42	7.183	7.165	7.192	VV	20	243	0.11%	0.056%
43	7.223	7.192	7.259	VV	23	705	0.32%	0.163%
44	7.278	7.259	7.303	VV	36	518	0.24%	0.120%
45	7.331	7.303	7.342	VV	25	444	0.20%	0.103%
46	7.354	7.342	7.373	VV	38	476	0.22%	0.110%
47	7.383	7.373	7.401	VV	28	250	0.11%	0.058%
48	7.407	7.401	7.425	VV	19	229	0.10%	0.053%
49	7.483	7.425	7.505	VV	44	1156	0.53%	0.267%
50	7.522	7.505	7.549	VV	48	805	0.37%	0.186%
51	7.562	7.549	7.589	VV	38	675	0.31%	0.156%
52	7.601	7.589	7.610	VV	27	300	0.14%	0.070%
53	7.675	7.610	7.705	VV	36	1429	0.65%	0.331%
54	7.714	7.705	7.725	VV	22	202	0.09%	0.047%
55	7.760	7.725	7.789	VV	43	1041	0.47%	0.241%
56	7.799	7.789	7.817	VV	36	438	0.20%	0.101%
57	7.826	7.817	7.874	VV	31	799	0.36%	0.185%
58	7.898	7.874	7.907	VV	28	412	0.19%	0.095%
59	7.917	7.907	7.942	VV	27	545	0.25%	0.126%
60	8.047	7.942	8.064	VV	141	6170	2.81%	1.428%
61	8.070	8.064	8.131	VV	141	4859	2.21%	1.125%
62	8.138	8.131	8.155	VV	116	1486	0.68%	0.344%

63	8.173	8.155	8.195	VV	115	2442	1.11%	0.565%
64	8.203	8.195	8.259	VV	97	3448	1.57%	0.798%
65	8.285	8.259	8.292	VV	88	1625	0.74%	0.376%
66	8.306	8.292	8.334	VV	92	2169	0.99%	0.502%
67	8.346	8.334	8.410	VV	88	3607	1.64%	0.835%
68	8.421	8.410	8.456	VV	82	1843	0.84%	0.427%
69	8.463	8.456	8.498	VV	65	1184	0.54%	0.274%
70	8.515	8.498	8.559	VV	40	1113	0.51%	0.258%
71	8.599	8.559	8.633	VV	36	1167	0.53%	0.270%
72	8.796	8.633	8.947	VV	3824	219469	100.00%	50.796%
73	8.954	8.947	8.996	VV	75	1790	0.82%	0.414%
74	9.008	8.996	9.031	VV	61	1064	0.48%	0.246%
75	9.048	9.031	9.061	VV	52	794	0.36%	0.184%
76	9.074	9.061	9.085	VV	50	642	0.29%	0.149%
77	9.095	9.085	9.146	VV	48	1320	0.60%	0.305%
78	9.164	9.146	9.183	VV	50	801	0.37%	0.185%
79	9.195	9.183	9.222	VV	41	685	0.31%	0.159%
80	9.235	9.222	9.243	VV	27	307	0.14%	0.071%
81	9.265	9.243	9.291	VV	41	911	0.41%	0.211%
82	9.306	9.291	9.317	VV	29	403	0.18%	0.093%
83	9.338	9.317	9.347	VV	35	487	0.22%	0.113%
84	9.368	9.347	9.378	VV	34	573	0.26%	0.133%
85	9.387	9.378	9.396	VV	31	316	0.14%	0.073%
86	9.441	9.396	9.461	VV	44	1197	0.55%	0.277%
87	9.468	9.461	9.477	VV	26	193	0.09%	0.045%
88	9.505	9.477	9.525	VV	38	761	0.35%	0.176%
89	9.540	9.525	9.551	VV	31	350	0.16%	0.081%
90	9.576	9.551	9.589	VV	29	452	0.21%	0.105%
91	9.598	9.589	9.622	VV	28	432	0.20%	0.100%
92	9.650	9.622	9.670	VV	36	729	0.33%	0.169%
93	9.687	9.670	9.745	VV	38	1251	0.57%	0.290%
94	9.796	9.745	9.809	VV	61	1134	0.52%	0.262%
95	9.847	9.809	9.861	VV	51	959	0.44%	0.222%
96	9.872	9.861	9.903	VV	43	760	0.35%	0.176%
97	9.915	9.903	9.924	VV	30	325	0.15%	0.075%
98	9.954	9.924	9.988	VV	38	1122	0.51%	0.260%
99	10.002	9.988	10.026	VV	35	613	0.28%	0.142%
100	10.032	10.026	10.054	VV	38	413	0.19%	0.096%
101	10.063	10.054	10.082	VV	25	355	0.16%	0.082%

102	10.107	10.082	10.118	VV	36	521	0.24%	0.121%
103	10.125	10.118	10.152	VV	38	464	0.21%	0.107%
104	10.179	10.152	10.193	VV	31	572	0.26%	0.132%
105	10.205	10.193	10.214	VV	32	318	0.15%	0.074%
106	10.245	10.214	10.266	VV	33	894	0.41%	0.207%
107	10.318	10.266	10.328	VV	80	1843	0.84%	0.427%
108	10.350	10.328	10.359	VV	93	1389	0.63%	0.322%
109	10.374	10.359	10.470	VV	95	5035	2.29%	1.165%
110	10.480	10.470	10.508	VV	71	1137	0.52%	0.263%
111	10.517	10.508	10.539	VV	45	702	0.32%	0.162%
112	10.554	10.539	10.569	VV	35	547	0.25%	0.127%
113	10.607	10.569	10.638	VV	63	2012	0.92%	0.466%
114	10.647	10.638	10.691	VV	54	1224	0.56%	0.283%
115	10.719	10.691	10.738	VV	41	914	0.42%	0.212%
116	10.744	10.738	10.760	VV	43	430	0.20%	0.100%
117	10.778	10.760	10.794	VV	34	609	0.28%	0.141%
118	10.807	10.794	10.844	VV	47	870	0.40%	0.201%
119	10.853	10.844	10.859	VV	31	222	0.10%	0.051%
120	10.864	10.859	10.875	VV	31	228	0.10%	0.053%
121	10.881	10.875	10.909	VV	29	423	0.19%	0.098%
122	10.917	10.909	10.924	VV	17	139	0.06%	0.032%
123	10.940	10.924	10.969	VV	41	684	0.31%	0.158%
124	10.987	10.969	11.012	VV	39	714	0.33%	0.165%
125	11.023	11.012	11.039	VV	36	409	0.19%	0.095%
126	11.064	11.039	11.086	VV	42	639	0.29%	0.148%
127	11.112	11.086	11.142	PV	23	525	0.24%	0.121%
128	11.167	11.142	11.195	VV	39	811	0.37%	0.188%
129	11.234	11.195	11.248	VV	31	784	0.36%	0.182%
130	11.253	11.248	11.265	VV	30	223	0.10%	0.052%
131	11.277	11.265	11.288	VV	41	309	0.14%	0.071%
132	11.313	11.288	11.324	VV	26	386	0.18%	0.089%
133	11.414	11.324	11.454	VV	36	1959	0.89%	0.453%
134	11.494	11.454	11.540	VV	36	1416	0.65%	0.328%
135	11.547	11.540	11.585	VV	30	581	0.26%	0.134%
136	11.613	11.585	11.655	VV	44	965	0.44%	0.223%
137	11.688	11.655	11.735	VV	34	883	0.40%	0.204%
138	11.774	11.735	11.836	PV	29	1120	0.51%	0.259%
139	11.848	11.836	11.858	VV	25	286	0.13%	0.066%
140	11.890	11.858	11.938	VV	42	1379	0.63%	0.319%

141	11.952	11.938	11.960	VV	16	143	0.06%	0.033%
142	11.976	11.960	12.002	VV	25	405	0.18%	0.094%
143	12.017	12.002	12.033	VV	50	533	0.24%	0.123%
144	12.040	12.033	12.049	VV	23	137	0.06%	0.032%
145	12.061	12.049	12.098	VV	34	478	0.22%	0.111%
146	12.130	12.098	12.144	VV	17	359	0.16%	0.083%
147	12.185	12.144	12.193	VV	25	565	0.26%	0.131%
148	12.205	12.193	12.218	VV	26	279	0.13%	0.065%
149	12.227	12.218	12.237	VV	16	117	0.05%	0.027%
150	12.255	12.237	12.276	VV	15	216	0.10%	0.050%
151	12.318	12.276	12.331	VV	31	578	0.26%	0.134%
152	12.351	12.331	12.363	VV	28	340	0.15%	0.079%
153	12.371	12.363	12.388	VV	16	141	0.06%	0.033%
154	12.480	12.388	12.493	VV	25	858	0.39%	0.199%
155	12.507	12.493	12.520	VV	23	206	0.09%	0.048%
156	12.532	12.520	12.559	VV	26	373	0.17%	0.086%
157	12.593	12.559	12.606	VV	31	519	0.24%	0.120%
158	12.618	12.606	12.650	VV	33	480	0.22%	0.111%
159	12.742	12.650	12.760	VV	45	1887	0.86%	0.437%
160	12.771	12.760	12.793	VV	35	525	0.24%	0.122%
161	12.806	12.793	12.818	VV	33	320	0.15%	0.074%
162	12.891	12.818	12.923	VV	62	2348	1.07%	0.543%
163	12.932	12.923	12.943	VV	36	399	0.18%	0.092%
164	12.953	12.943	12.992	VV	33	671	0.31%	0.155%
165	13.038	12.992	13.049	VV	41	964	0.44%	0.223%
166	13.058	13.049	13.068	VV	35	367	0.17%	0.085%
167	13.074	13.068	13.086	VV	33	302	0.14%	0.070%
168	13.098	13.086	13.121	VV	27	459	0.21%	0.106%
169	13.180	13.121	13.206	VV	69	2440	1.11%	0.565%
170	13.213	13.206	13.259	VV	57	937	0.43%	0.217%
171	13.267	13.259	13.274	VV	22	155	0.07%	0.036%
172	13.301	13.274	13.332	VV	28	572	0.26%	0.132%
173	13.342	13.332	13.370	VV	22	354	0.16%	0.082%
174	13.378	13.370	13.391	VV	15	108	0.05%	0.025%
175	13.403	13.391	13.432	PV	18	347	0.16%	0.080%
176	13.455	13.432	13.463	VV	22	295	0.13%	0.068%
177	13.481	13.463	13.498	VV	24	351	0.16%	0.081%
178	13.509	13.498	13.513	VV	15	80	0.04%	0.019%
179	13.520	13.513	13.533	VV	16	162	0.07%	0.038%
180	13.563	13.533	13.605	VV	30	852	0.39%	0.197%

181	13.617	13.605	13.636	VV	24	344	0.16%	0.080%
182	13.670	13.636	13.679	VV	25	504	0.23%	0.117%
183	13.691	13.679	13.701	VV	26	232	0.11%	0.054%
184	13.712	13.701	13.724	VV	13	142	0.06%	0.033%
185	13.749	13.724	13.760	VV	39	509	0.23%	0.118%
186	13.770	13.760	13.781	VV	22	234	0.11%	0.054%
187	13.797	13.781	13.828	VV	36	622	0.28%	0.144%
188	13.848	13.828	13.872	VV	39	756	0.34%	0.175%
189	13.886	13.872	13.895	VV	41	485	0.22%	0.112%
190	13.975	13.895	14.011	VV	88	4552	2.07%	1.053%
191	14.123	14.011	14.276	VV	202	17618	8.03%	4.078%
192	14.302	14.276	14.314	VV	23	275	0.13%	0.064%
193	14.326	14.314	14.335	VV	27	222	0.10%	0.051%
194	14.355	14.335	14.371	VV	33	419	0.19%	0.097%
195	14.393	14.371	14.414	PV	25	435	0.20%	0.101%
196	14.444	14.414	14.465	VV	25	586	0.27%	0.136%
197	14.476	14.465	14.487	VV	34	326	0.15%	0.075%
198	14.533	14.487	14.557	VV	30	802	0.37%	0.186%
199	14.575	14.557	14.591	VV	22	291	0.13%	0.067%
200	14.607	14.591	14.615	VV	13	150	0.07%	0.035%
201	14.652	14.615	14.660	VV	23	373	0.17%	0.086%
202	14.668	14.660	14.680	VV	22	194	0.09%	0.045%
203	14.685	14.680	14.699	VV	15	122	0.06%	0.028%
204	14.719	14.699	14.731	VV	17	247	0.11%	0.057%
205	14.751	14.731	14.787	VV	24	526	0.24%	0.122%
206	14.804	14.787	14.814	VV	28	282	0.13%	0.065%
207	14.826	14.814	14.846	VV	26	322	0.15%	0.074%
208	14.854	14.846	14.872	VV	24	235	0.11%	0.054%
209	14.879	14.872	14.921	VV	19	223	0.10%	0.052%
210	14.931	14.921	14.942	PV	24	164	0.07%	0.038%
211	14.988	14.942	14.997	VV	34	629	0.29%	0.146%
212	15.051	14.997	15.059	VV	51	1375	0.63%	0.318%
213	15.080	15.059	15.179	VV	61	1922	0.88%	0.445%
214	15.200	15.179	15.219	VV	26	494	0.23%	0.114%
215	15.227	15.219	15.234	VV	24	183	0.08%	0.042%
216	15.250	15.234	15.269	VV	35	473	0.22%	0.110%
217	15.282	15.269	15.291	VV	24	208	0.09%	0.048%
218	15.384	15.291	15.394	VV	51	1617	0.74%	0.374%
219	15.404	15.394	15.462	VV	47	1416	0.65%	0.328%

220	15.487	15.462	15.528	VV	44	1362	0.62%	0.315%
221	15.537	15.528	15.545	VV	35	306	0.14%	0.071%
222	15.554	15.545	15.563	VV	31	307	0.14%	0.071%
223	15.581	15.563	15.590	VV	42	550	0.25%	0.127%
224	15.597	15.590	15.614	VV	41	369	0.17%	0.085%
225	15.626	15.614	15.639	VV	38	458	0.21%	0.106%
226	15.678	15.639	15.702	VV	50	1422	0.65%	0.329%
227	15.713	15.702	15.727	VV	59	620	0.28%	0.144%
228	15.738	15.727	15.746	VV	41	339	0.15%	0.078%
229	15.776	15.746	15.798	VV	60	1427	0.65%	0.330%
230	15.822	15.798	15.849	VV	75	1496	0.68%	0.346%
231	15.869	15.849	15.893	VV	70	1426	0.65%	0.330%
232	15.900	15.893	15.920	VV	54	685	0.31%	0.159%
233	15.941	15.920	15.948	VV	51	734	0.33%	0.170%
234	15.956	15.948	15.972	VV	52	623	0.28%	0.144%
235	15.984	15.972	16.031	VV	43	948	0.43%	0.219%
236	16.048	16.031	16.068	VV	32	483	0.22%	0.112%
237	16.077	16.068	16.105	VV	23	392	0.18%	0.091%
238	16.119	16.105	16.130	VV	24	281	0.13%	0.065%
239	16.142	16.130	16.149	VV	38	357	0.16%	0.083%
240	16.168	16.149	16.177	VV	82	963	0.44%	0.223%
241	16.193	16.177	16.210	VV	74	1256	0.57%	0.291%
242	16.218	16.210	16.269	VV	67	1809	0.82%	0.419%
243	16.278	16.269	16.294	VV	35	427	0.19%	0.099%
244	16.300	16.294	16.318	VV	40	358	0.16%	0.083%
245	16.328	16.318	16.338	VV	25	194	0.09%	0.045%
246	16.366	16.338	16.405	VV	26	807	0.37%	0.187%
247	16.444	16.405	16.453	VV	41	852	0.39%	0.197%
248	16.464	16.453	16.471	VV	39	375	0.17%	0.087%
249	16.479	16.471	16.536	VV	48	1115	0.51%	0.258%
250	16.547	16.536	16.561	VV	27	303	0.14%	0.070%
251	16.584	16.561	16.593	VV	33	431	0.20%	0.100%
252	16.623	16.593	16.643	VV	46	846	0.39%	0.196%
253	16.656	16.643	16.698	VV	24	497	0.23%	0.115%
254	16.735	16.698	16.770	PV	35	808	0.37%	0.187%
255	16.781	16.770	16.792	VV	34	276	0.13%	0.064%
256	16.818	16.792	16.833	VV	32	537	0.24%	0.124%
257	16.897	16.833	16.916	VV	46	1513	0.69%	0.350%
258	16.925	16.916	16.949	VV	32	434	0.20%	0.100%

259	16.957	16.949	16.980	VV	20	270	0.12%	0.063%
260	16.996	16.980	17.005	VV	17	126	0.06%	0.029%
261	17.043	17.005	17.061	VV	13	233	0.11%	0.054%

Sum of corrected areas: 432064

FB062325.M Sat Jun 28 05:56:42 2025

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-83	SDG No.:	Q2436
Lab Sample ID:	Q2436-06	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	90.6 Decanted:
Sample Wt/Vol:	5 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031956.D	1	06/27/25 16:06	FB062725

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	14.0		50 - 150	70%	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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB062725\
Data File : FB031956.D
Signal(s) : FID2B.CH
Acq On : 27 Jun 2025 16:06
Operator : YP/AJ
Sample : Q2436-06
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-83

Integration File: Calibration.e
Quant Time: Jun 28 05:15:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
Quant Title :
QLast Update : Mon Jun 23 13:56:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
5) s AAA-TFT	8.796	216145	14.010 ng/ml
Target Compounds			

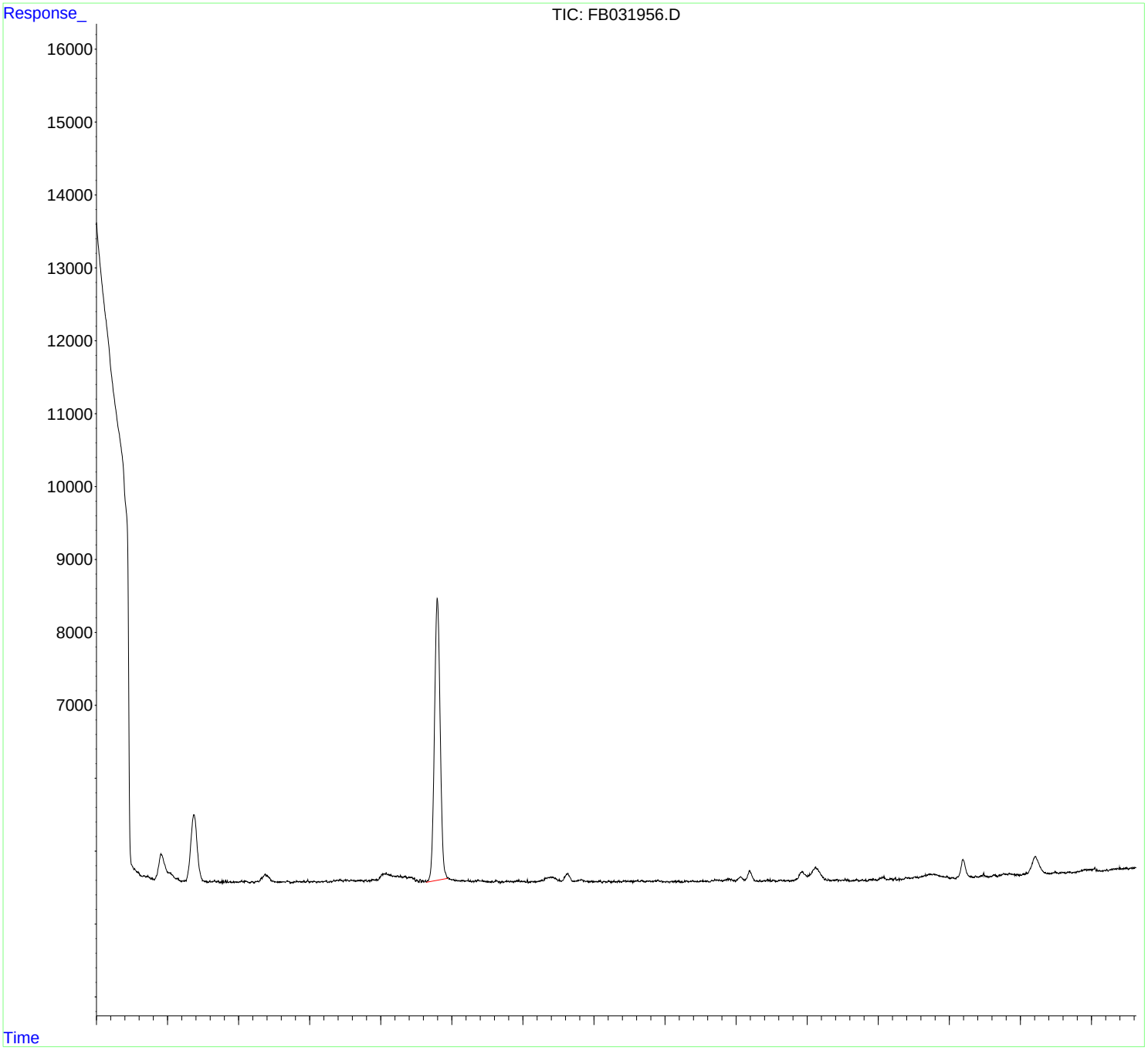
(f)=RT Delta > 1/2 Window (m)=manual int.

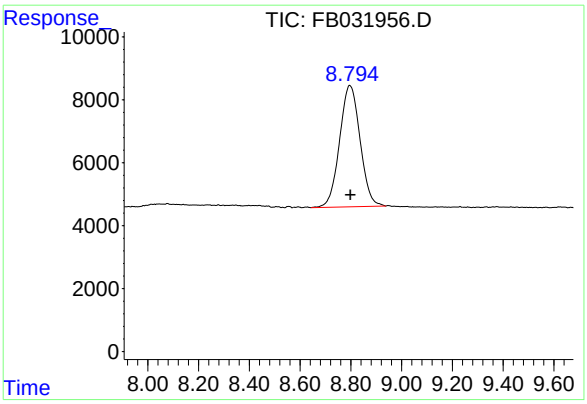
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB062725\
Data File : FB031956.D
Signal(s) : FID2B.CH
Acq On : 27 Jun 2025 16:06
Operator : YP/AJ
Sample : Q2436-06
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-83

Integration File: Calibration.e
Quant Time: Jun 28 05:15:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
Quant Title :
QLast Update : Mon Jun 23 13:56:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#5 AAA-TFT

R.T.:	8.796 min
Delta R.T.:	-0.002 min
Response:	216145
Conc:	14.01 ng/ml

Instrument :
FID_B
ClientSampleId :
TP-83

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB062725\
Data File : FB031956.D
Signal(s) : FID2B.CH
Acq On : 27 Jun 2025 16:06
Sample : Q2436-06
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	% max.	% of total
1	4.666	4.621	4.701	BV	12	244	0.11%	0.053%
2	4.726	4.701	4.747	VV	31	506	0.23%	0.110%
3	4.754	4.747	4.772	VV	19	132	0.06%	0.029%
4	4.783	4.772	4.794	PV	27	178	0.08%	0.038%
5	4.804	4.794	4.818	PV	13	90	0.04%	0.019%
6	5.139	5.128	5.230	VV	41	806	0.36%	0.174%
7	5.510	5.504	5.523	VV	25	218	0.10%	0.047%
8	5.531	5.523	5.540	VV	20	158	0.07%	0.034%
9	5.547	5.540	5.564	VV	20	160	0.07%	0.035%
10	5.572	5.564	5.580	PV	8	56	0.02%	0.012%
11	5.597	5.580	5.612	VV	27	255	0.11%	0.055%
12	5.622	5.612	5.630	VV	16	143	0.06%	0.031%
13	5.664	5.630	5.695	VV	34	721	0.32%	0.156%
14	5.710	5.695	5.737	VV	28	407	0.18%	0.088%
15	5.745	5.737	5.753	VV	15	82	0.04%	0.018%
16	5.763	5.753	5.779	PV	28	258	0.12%	0.056%
17	5.788	5.779	5.797	VV	24	153	0.07%	0.033%
18	5.814	5.797	5.855	VV	30	518	0.23%	0.112%
19	5.883	5.855	5.907	VV	22	348	0.16%	0.075%
20	5.928	5.907	5.939	VV	21	214	0.10%	0.046%
21	5.949	5.939	5.997	VV	17	445	0.20%	0.096%
22	6.044	5.997	6.071	VV	32	812	0.36%	0.176%
23	6.076	6.071	6.083	VV	29	142	0.06%	0.031%

24	6.103	6.083	6.165	VV	28	841	0.38%	0.182%
25	6.196	6.165	6.223	VV	24	466	0.21%	0.101%
26	6.238	6.223	6.257	VV	25	387	0.17%	0.084%
27	6.270	6.257	6.286	VV	32	442	0.20%	0.096%
28	6.324	6.286	6.332	VV	78	1365	0.61%	0.295%
29	6.374	6.332	6.472	VV	128	7158	3.20%	1.549%
30	6.485	6.472	6.510	VV	37	624	0.28%	0.135%
31	6.516	6.510	6.536	VV	25	318	0.14%	0.069%
32	6.543	6.536	6.556	VV	21	210	0.09%	0.046%
33	6.567	6.556	6.610	VV	24	621	0.28%	0.134%
34	6.620	6.610	6.632	VV	24	275	0.12%	0.060%
35	6.642	6.632	6.658	VV	24	312	0.14%	0.067%
36	6.684	6.658	6.729	VV	36	1065	0.48%	0.230%
37	6.787	6.729	6.795	PV	26	595	0.27%	0.129%
38	6.815	6.795	6.823	VV	33	395	0.18%	0.085%
39	6.832	6.823	6.856	VV	26	475	0.21%	0.103%
40	6.866	6.856	6.884	VV	28	396	0.18%	0.086%
41	6.917	6.884	6.939	VV	40	831	0.37%	0.180%
42	6.974	6.939	6.998	VV	47	939	0.42%	0.203%
43	7.032	6.998	7.043	VV	28	602	0.27%	0.130%
44	7.056	7.043	7.065	VV	34	379	0.17%	0.082%
45	7.070	7.065	7.098	VV	31	453	0.20%	0.098%
46	7.133	7.098	7.148	VV	27	598	0.27%	0.129%
47	7.177	7.148	7.187	VV	30	543	0.24%	0.118%
48	7.196	7.187	7.203	VV	28	245	0.11%	0.053%
49	7.239	7.203	7.253	VV	40	833	0.37%	0.180%
50	7.292	7.253	7.316	VV	32	815	0.36%	0.176%
51	7.342	7.316	7.355	VV	47	789	0.35%	0.171%
52	7.371	7.355	7.385	VV	43	672	0.30%	0.146%
53	7.390	7.385	7.408	VV	45	592	0.27%	0.128%
54	7.433	7.408	7.443	VV	52	936	0.42%	0.203%
55	7.456	7.443	7.475	VV	43	675	0.30%	0.146%
56	7.503	7.475	7.515	VV	53	994	0.44%	0.215%
57	7.526	7.515	7.558	VV	50	1075	0.48%	0.233%
58	7.566	7.558	7.571	VV	39	283	0.13%	0.061%
59	7.583	7.571	7.616	VV	50	1103	0.49%	0.239%
60	7.624	7.616	7.661	VV	46	963	0.43%	0.208%
61	7.721	7.661	7.731	VV	47	1637	0.73%	0.354%
62	7.738	7.731	7.769	VV	42	755	0.34%	0.163%

63	7.783	7.769	7.813	VV	47	975	0.44%	0.211%
64	7.878	7.813	7.911	VV	55	2409	1.08%	0.521%
65	7.926	7.911	7.933	VV	52	618	0.28%	0.134%
66	7.941	7.933	7.961	VV	54	812	0.36%	0.176%
67	8.046	7.961	8.068	VV	134	6619	2.96%	1.432%
68	8.078	8.068	8.132	VV	148	4757	2.13%	1.029%
69	8.141	8.132	8.171	VV	122	2470	1.11%	0.535%
70	8.181	8.171	8.221	VV	101	2928	1.31%	0.634%
71	8.235	8.221	8.269	VV	106	2768	1.24%	0.599%
72	8.279	8.269	8.289	VV	111	1125	0.50%	0.244%
73	8.298	8.289	8.322	VV	95	1751	0.78%	0.379%
74	8.348	8.322	8.375	VV	100	2723	1.22%	0.589%
75	8.399	8.375	8.462	VV	88	4099	1.83%	0.887%
76	8.475	8.462	8.490	VV	67	907	0.41%	0.196%
77	8.507	8.490	8.542	VV	50	1019	0.46%	0.220%
78	8.556	8.542	8.571	VV	56	666	0.30%	0.144%
79	8.593	8.571	8.609	VV	42	625	0.28%	0.135%
80	8.629	8.609	8.643	VV	34	542	0.24%	0.117%
81	8.796	8.643	8.939	VV	3903	223513	100.00%	48.365%
82	8.948	8.939	9.008	VV	81	2485	1.11%	0.538%
83	9.022	9.008	9.056	VV	53	1257	0.56%	0.272%
84	9.070	9.056	9.089	VV	43	732	0.33%	0.158%
85	9.099	9.089	9.120	VV	40	618	0.28%	0.134%
86	9.135	9.120	9.194	VV	42	1517	0.68%	0.328%
87	9.210	9.194	9.224	VV	35	612	0.27%	0.132%
88	9.231	9.224	9.277	VV	50	963	0.43%	0.208%
89	9.301	9.277	9.318	VV	31	615	0.28%	0.133%
90	9.335	9.318	9.345	VV	43	506	0.23%	0.109%
91	9.376	9.345	9.390	VV	47	975	0.44%	0.211%
92	9.403	9.390	9.422	VV	33	607	0.27%	0.131%
93	9.432	9.422	9.446	VV	41	457	0.20%	0.099%
94	9.455	9.446	9.466	VV	35	327	0.15%	0.071%
95	9.476	9.466	9.489	VV	28	321	0.14%	0.069%
96	9.510	9.489	9.539	VV	25	623	0.28%	0.135%
97	9.548	9.539	9.555	VV	21	162	0.07%	0.035%
98	9.570	9.555	9.586	VV	30	400	0.18%	0.087%
99	9.620	9.586	9.634	VV	39	759	0.34%	0.164%
100	9.641	9.634	9.657	VV	32	350	0.16%	0.076%
101	9.668	9.657	9.681	VV	27	250	0.11%	0.054%

102	9.710	9.681	9.737	PV	29	562	0.25%	0.122%
103	9.772	9.737	9.791	VV	37	793	0.35%	0.171%
104	9.802	9.791	9.813	VV	31	315	0.14%	0.068%
105	9.828	9.813	9.839	VV	32	350	0.16%	0.076%
106	9.849	9.839	9.867	VV	26	355	0.16%	0.077%
107	9.879	9.867	9.888	VV	26	280	0.13%	0.060%
108	9.920	9.888	9.930	VV	43	708	0.32%	0.153%
109	9.946	9.930	9.965	VV	46	606	0.27%	0.131%
110	9.971	9.965	9.978	VV	28	202	0.09%	0.044%
111	9.986	9.978	10.008	VV	33	430	0.19%	0.093%
112	10.017	10.008	10.041	VV	30	418	0.19%	0.091%
113	10.064	10.041	10.077	VV	46	394	0.18%	0.085%
114	10.087	10.077	10.103	VV	20	201	0.09%	0.043%
115	10.132	10.103	10.146	VV	26	507	0.23%	0.110%
116	10.159	10.146	10.193	VV	26	557	0.25%	0.120%
117	10.204	10.193	10.213	VV	26	239	0.11%	0.052%
118	10.233	10.213	10.246	VV	29	499	0.22%	0.108%
119	10.271	10.246	10.287	VV	44	888	0.40%	0.192%
120	10.330	10.287	10.340	VV	70	1840	0.82%	0.398%
121	10.355	10.340	10.374	VV	78	1439	0.64%	0.311%
122	10.391	10.374	10.453	VV	84	3618	1.62%	0.783%
123	10.460	10.453	10.494	VV	69	1293	0.58%	0.280%
124	10.511	10.494	10.519	VV	47	544	0.24%	0.118%
125	10.527	10.519	10.540	VV	36	363	0.16%	0.078%
126	10.632	10.540	10.712	VV	130	7294	3.26%	1.578%
127	10.722	10.712	10.728	VV	29	209	0.09%	0.045%
128	10.803	10.728	10.813	VV	41	1612	0.72%	0.349%
129	10.823	10.813	10.855	VV	49	980	0.44%	0.212%
130	10.864	10.855	10.897	VV	33	627	0.28%	0.136%
131	10.908	10.897	10.925	VV	27	330	0.15%	0.071%
132	10.932	10.925	10.941	VV	28	190	0.09%	0.041%
133	10.949	10.941	10.961	VV	20	194	0.09%	0.042%
134	10.974	10.961	10.985	VV	29	279	0.12%	0.060%
135	11.036	10.985	11.048	VV	21	610	0.27%	0.132%
136	11.091	11.048	11.122	VV	34	827	0.37%	0.179%
137	11.144	11.122	11.186	VV	22	588	0.26%	0.127%
138	11.209	11.186	11.256	VV	30	723	0.32%	0.156%
139	11.270	11.256	11.314	VV	24	561	0.25%	0.121%
140	11.341	11.314	11.363	VV	27	495	0.22%	0.107%

141	11.374	11.363	11.389	VV	19	194	0.09%	0.042%
142	11.414	11.389	11.470	VV	32	1067	0.48%	0.231%
143	11.479	11.470	11.498	VV	30	341	0.15%	0.074%
144	11.506	11.498	11.548	VV	29	640	0.29%	0.138%
145	11.555	11.548	11.564	VV	27	157	0.07%	0.034%
146	11.585	11.564	11.595	VV	29	404	0.18%	0.087%
147	11.617	11.595	11.644	VV	39	707	0.32%	0.153%
148	11.663	11.644	11.726	VV	32	1015	0.45%	0.220%
149	11.736	11.726	11.743	VV	26	184	0.08%	0.040%
150	11.751	11.743	11.780	VV	23	485	0.22%	0.105%
151	11.790	11.780	11.802	VV	27	265	0.12%	0.057%
152	11.823	11.802	11.833	VV	27	307	0.14%	0.066%
153	11.848	11.833	11.859	VV	26	329	0.15%	0.071%
154	11.871	11.859	11.879	VV	30	287	0.13%	0.062%
155	11.904	11.879	11.934	VV	41	862	0.39%	0.187%
156	11.947	11.934	12.011	VV	27	662	0.30%	0.143%
157	12.035	12.011	12.068	VV	18	402	0.18%	0.087%
158	12.093	12.068	12.111	VV	20	379	0.17%	0.082%
159	12.118	12.111	12.126	VV	20	139	0.06%	0.030%
160	12.144	12.126	12.163	VV	24	333	0.15%	0.072%
161	12.187	12.163	12.225	VV	28	479	0.21%	0.104%
162	12.236	12.225	12.263	PV	21	193	0.09%	0.042%
163	12.278	12.263	12.287	VV	29	197	0.09%	0.043%
164	12.304	12.287	12.337	VV	28	530	0.24%	0.115%
165	12.360	12.337	12.373	VV	22	309	0.14%	0.067%
166	12.393	12.373	12.426	VV	29	562	0.25%	0.122%
167	12.432	12.426	12.445	VV	14	145	0.06%	0.031%
168	12.455	12.445	12.484	VV	22	265	0.12%	0.057%
169	12.535	12.484	12.564	VV	27	836	0.37%	0.181%
170	12.569	12.564	12.589	VV	22	262	0.12%	0.057%
171	12.600	12.589	12.612	VV	25	236	0.11%	0.051%
172	12.620	12.612	12.633	VV	10	100	0.04%	0.022%
173	12.656	12.633	12.673	VV	32	471	0.21%	0.102%
174	12.702	12.673	12.722	VV	37	843	0.38%	0.182%
175	12.731	12.722	12.751	VV	37	537	0.24%	0.116%
176	12.764	12.751	12.789	VV	38	627	0.28%	0.136%
177	12.798	12.789	12.808	VV	32	248	0.11%	0.054%
178	12.837	12.808	12.848	VV	37	584	0.26%	0.126%
179	12.858	12.848	12.871	VV	41	484	0.22%	0.105%
180	12.881	12.871	12.891	VV	52	468	0.21%	0.101%

181	12.899	12.891	12.926	VV	51	851	0.38%	0.184%
182	12.937	12.926	12.993	VV	45	1076	0.48%	0.233%
183	13.009	12.993	13.018	VV	38	406	0.18%	0.088%
184	13.066	13.018	13.117	VV	75	3154	1.41%	0.682%
185	13.127	13.117	13.132	VV	36	277	0.12%	0.060%
186	13.195	13.132	13.272	VV	154	6907	3.09%	1.495%
187	13.295	13.272	13.321	VV	23	417	0.19%	0.090%
188	13.333	13.321	13.354	VV	26	319	0.14%	0.069%
189	13.374	13.354	13.380	VV	16	203	0.09%	0.044%
190	13.395	13.380	13.414	VV	24	359	0.16%	0.078%
191	13.443	13.414	13.453	VV	43	572	0.26%	0.124%
192	13.463	13.453	13.513	VV	29	694	0.31%	0.150%
193	13.536	13.513	13.556	VV	26	504	0.23%	0.109%
194	13.627	13.556	13.656	PV	31	1043	0.47%	0.226%
195	13.680	13.656	13.699	VV	22	440	0.20%	0.095%
196	13.720	13.699	13.730	VV	21	318	0.14%	0.069%
197	13.740	13.730	13.756	VV	22	265	0.12%	0.057%
198	13.775	13.756	13.784	VV	24	247	0.11%	0.054%
199	13.795	13.784	13.811	VV	25	303	0.14%	0.065%
200	13.818	13.811	13.822	VV	28	151	0.07%	0.033%
201	13.932	13.822	14.003	VV	141	9227	4.13%	1.997%
202	14.012	14.003	14.025	VV	92	1090	0.49%	0.236%
203	14.035	14.025	14.042	VV	102	921	0.41%	0.199%
204	14.121	14.042	14.221	VV	204	14978	6.70%	3.241%
205	14.228	14.221	14.253	VV	62	834	0.37%	0.181%
206	14.262	14.253	14.282	VV	39	443	0.20%	0.096%
207	14.296	14.282	14.342	VV	33	668	0.30%	0.144%
208	14.357	14.342	14.377	VV	23	340	0.15%	0.074%
209	14.385	14.377	14.399	VV	24	214	0.10%	0.046%
210	14.407	14.399	14.437	VV	29	531	0.24%	0.115%
211	14.458	14.437	14.475	VV	21	348	0.16%	0.075%
212	14.493	14.475	14.516	VV	21	426	0.19%	0.092%
213	14.534	14.516	14.544	VV	40	380	0.17%	0.082%
214	14.571	14.544	14.582	VV	29	389	0.17%	0.084%
215	14.590	14.582	14.618	VV	20	170	0.08%	0.037%
216	14.631	14.618	14.640	VV	10	97	0.04%	0.021%
217	14.651	14.640	14.660	VV	20	133	0.06%	0.029%
218	14.672	14.660	14.688	VV	18	228	0.10%	0.049%
219	14.696	14.688	14.734	VV	26	417	0.19%	0.090%

220	14.748	14.734	14.756	VV	16	121	0.05%	0.026%
221	14.777	14.756	14.791	VV	28	356	0.16%	0.077%
222	14.800	14.791	14.806	VV	11	86	0.04%	0.019%
223	14.823	14.806	14.846	VV	26	253	0.11%	0.055%
224	14.872	14.846	14.882	PV	26	309	0.14%	0.067%
225	14.893	14.882	14.912	VV	28	371	0.17%	0.080%
226	14.933	14.912	14.951	VV	33	477	0.21%	0.103%
227	14.961	14.951	14.989	VV	25	322	0.14%	0.070%
228	15.081	14.989	15.117	VV	59	2500	1.12%	0.541%
229	15.126	15.117	15.152	VV	19	316	0.14%	0.068%
230	15.169	15.152	15.219	VV	31	742	0.33%	0.161%
231	15.241	15.219	15.264	VV	29	468	0.21%	0.101%
232	15.291	15.264	15.335	VV	25	515	0.23%	0.111%
233	15.346	15.335	15.357	VV	18	193	0.09%	0.042%
234	15.395	15.357	15.414	VV	38	921	0.41%	0.199%
235	15.424	15.414	15.453	VV	36	665	0.30%	0.144%
236	15.517	15.453	15.539	VV	43	1673	0.75%	0.362%
237	15.552	15.539	15.566	VV	40	508	0.23%	0.110%
238	15.594	15.566	15.603	VV	42	774	0.35%	0.167%
239	15.615	15.603	15.624	VV	52	530	0.24%	0.115%
240	15.664	15.624	15.673	VV	70	1510	0.68%	0.327%
241	15.687	15.673	15.695	VV	69	744	0.33%	0.161%
242	15.735	15.695	15.761	VV	75	2702	1.21%	0.585%
243	15.776	15.761	15.793	VV	73	1315	0.59%	0.285%
244	15.801	15.793	15.871	VV	71	2551	1.14%	0.552%
245	15.884	15.871	15.910	VV	42	851	0.38%	0.184%
246	15.915	15.910	15.954	VV	37	743	0.33%	0.161%
247	15.965	15.954	16.006	VV	40	720	0.32%	0.156%
248	16.016	16.006	16.025	VV	16	109	0.05%	0.023%
249	16.039	16.025	16.055	VV	17	220	0.10%	0.048%
250	16.062	16.055	16.077	VV	14	118	0.05%	0.026%
251	16.086	16.077	16.092	PV	5	27	0.01%	0.006%
252	16.117	16.092	16.125	VV	28	333	0.15%	0.072%
253	16.191	16.125	16.285	VV	260	11987	5.36%	2.594%
254	16.293	16.285	16.305	VV	32	267	0.12%	0.058%
255	16.312	16.305	16.334	VV	27	269	0.12%	0.058%
256	16.369	16.334	16.385	VV	29	496	0.22%	0.107%
257	16.451	16.385	16.460	VV	30	806	0.36%	0.174%
258	16.484	16.460	16.547	VV	62	1417	0.63%	0.307%

259	16.557	16.547	16.567	PV	11	79	0.04%	0.017%
260	16.576	16.567	16.585	VV	16	133	0.06%	0.029%
261	16.593	16.585	16.599	VV	15	100	0.04%	0.022%
262	16.633	16.599	16.681	VV	36	1053	0.47%	0.228%
263	16.701	16.681	16.715	VV	28	351	0.16%	0.076%
264	16.722	16.715	16.731	VV	27	187	0.08%	0.041%
265	16.762	16.731	16.792	VV	45	1206	0.54%	0.261%
266	16.798	16.792	16.809	VV	38	324	0.14%	0.070%
267	16.817	16.809	16.825	VV	35	293	0.13%	0.063%
268	16.846	16.825	16.884	VV	43	1145	0.51%	0.248%
269	16.894	16.884	16.908	VV	31	362	0.16%	0.078%
270	16.918	16.908	16.944	VV	34	400	0.18%	0.087%
271	16.960	16.944	16.971	VV	23	292	0.13%	0.063%
272	16.979	16.971	16.988	VV	20	112	0.05%	0.024%
273	16.996	16.988	17.020	PV	13	113	0.05%	0.024%
274	17.083	17.020	17.091	PV	20	296	0.13%	0.064%
275	17.098	17.091	17.106	VV	11	49	0.02%	0.011%

Sum of corrected areas: 462138

FB062325.M Sat Jun 28 05:57:05 2025

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-87	SDG No.:	Q2436
Lab Sample ID:	Q2436-07	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	89.9 Decanted:
Sample Wt/Vol:	5.2 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031969.D	1	06/30/25 12:04	FB063025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	9.00	U	9.00	48.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	14.8		50 - 150	74%	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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB063025\
Data File : FB031969.D
Signal(s) : FID2B.CH
Acq On : 30 Jun 2025 12:04
Operator : YP/AJ
Sample : Q2436-07
Misc : 5.20G/5.00 ML DI WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-87

Integration File: Calibration.e
Quant Time: Jul 01 01:07:09 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	8.800	229135	14.852 ng/ml
Target Compounds			

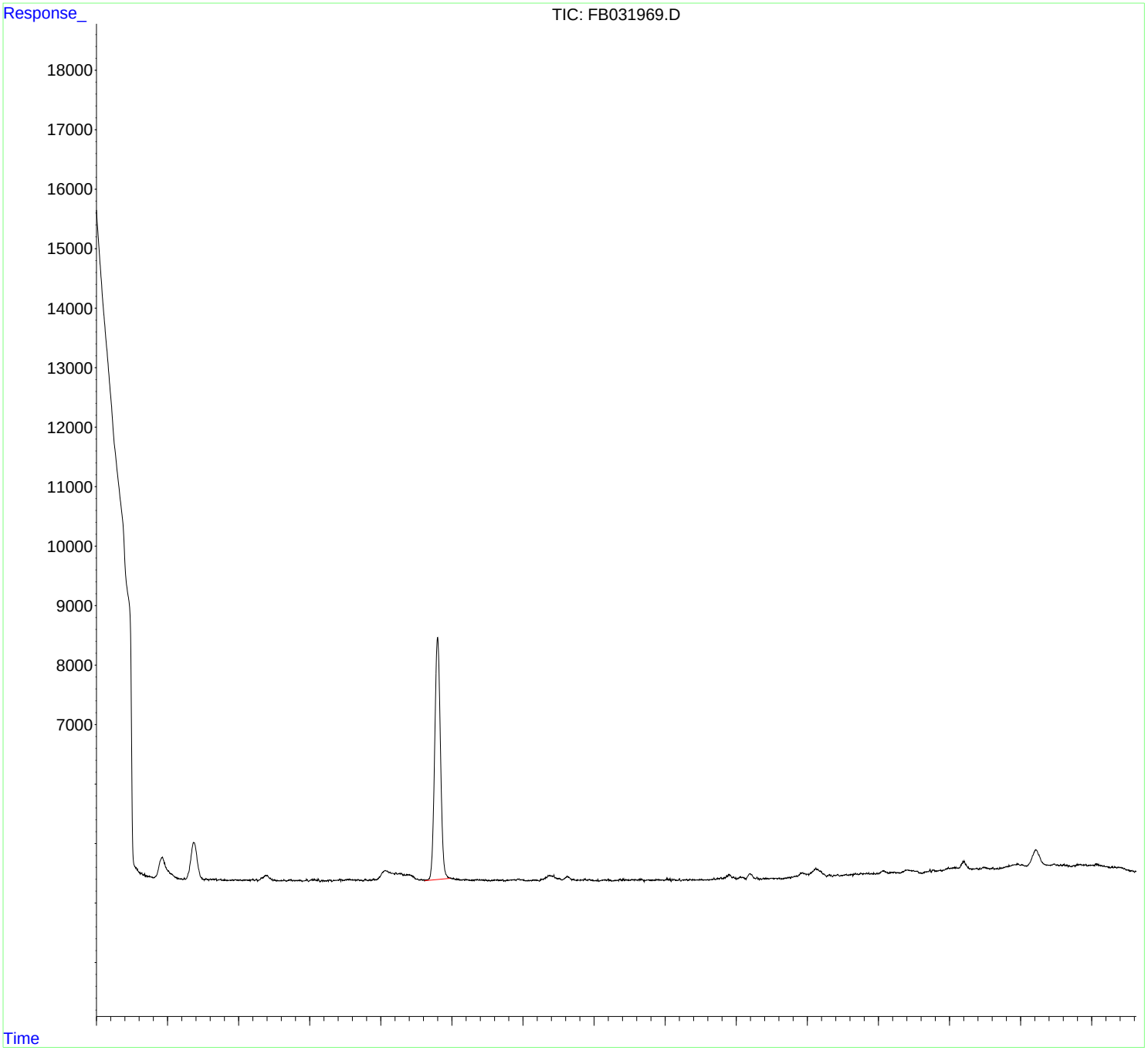
(f)=RT Delta > 1/2 Window (m)=manual int.

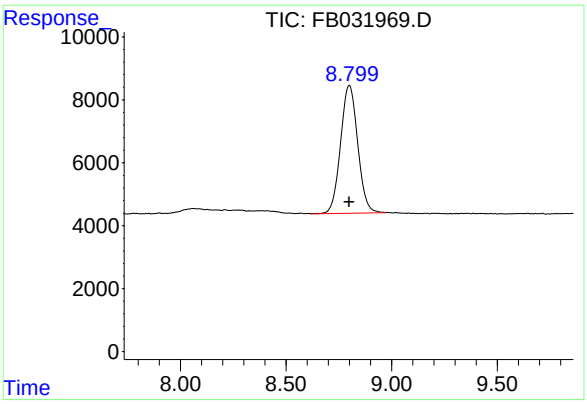
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB063025\
Data File : FB031969.D
Signal(s) : FID2B.CH
Acq On : 30 Jun 2025 12:04
Operator : YP/AJ
Sample : Q2436-07
Misc : 5.20G/5.00 ML DI WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-87

Integration File: Calibration.e
Quant Time: Jul 01 01:07:09 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.:	8.800 min
Delta R.T.:	0.002 min
Response:	229135
Conc:	14.85 ng/ml

Instrument :
FID_B
ClientSampleId :
TP-87

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB063025\
Data File : FB031969.D
Signal(s) : FID2B.CH
Acq On : 30 Jun 2025 12:04
Sample : Q2436-07
Misc : 5.20G/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	% max.	% of total
1	4.639	4.604	4.659	BV	27	166	0.07%	0.034%
2	4.677	4.659	4.688	VV	36	294	0.12%	0.060%
3	4.697	4.688	4.711	PV	22	195	0.08%	0.040%
4	4.718	4.711	4.797	VV	23	634	0.27%	0.129%
5	5.122	5.114	5.148	VV	36	529	0.22%	0.108%
6	5.155	5.148	5.169	VV	23	182	0.08%	0.037%
7	5.193	5.169	5.216	VV	17	287	0.12%	0.059%
8	5.239	5.216	5.251	PV	32	268	0.11%	0.055%
9	5.508	5.500	5.515	VV	20	140	0.06%	0.029%
10	5.521	5.515	5.528	VV	15	93	0.04%	0.019%
11	5.543	5.528	5.562	VV	35	428	0.18%	0.087%
12	5.572	5.562	5.581	VV	18	162	0.07%	0.033%
13	5.590	5.581	5.596	VV	22	150	0.06%	0.031%
14	5.605	5.596	5.620	VV	26	268	0.11%	0.055%
15	5.637	5.620	5.646	VV	28	329	0.14%	0.067%
16	5.684	5.646	5.696	VV	36	652	0.28%	0.133%
17	5.750	5.696	5.761	PV	28	635	0.27%	0.129%
18	5.805	5.761	5.865	VV	19	598	0.25%	0.122%
19	5.917	5.865	5.937	VV	20	534	0.23%	0.109%
20	5.952	5.937	5.985	VV	22	465	0.20%	0.095%
21	5.995	5.985	6.010	VV	17	185	0.08%	0.038%
22	6.025	6.010	6.062	VV	22	377	0.16%	0.077%
23	6.109	6.062	6.147	VV	23	762	0.32%	0.155%

24	6.158	6.147	6.188	VV	19	394	0.17%	0.080%
25	6.199	6.188	6.223	VV	33	463	0.20%	0.094%
26	6.252	6.223	6.275	VV	35	523	0.22%	0.107%
27	6.329	6.275	6.339	VV	61	1328	0.56%	0.271%
28	6.387	6.339	6.396	VV	100	2808	1.18%	0.572%
29	6.404	6.396	6.486	VV	99	2825	1.19%	0.576%
30	6.499	6.486	6.513	VV	28	296	0.13%	0.060%
31	6.517	6.513	6.527	VV	17	107	0.04%	0.022%
32	6.551	6.527	6.564	VV	17	228	0.10%	0.047%
33	6.600	6.564	6.627	VV	21	406	0.17%	0.083%
34	6.637	6.627	6.669	VV	26	396	0.17%	0.081%
35	6.703	6.669	6.710	VV	28	307	0.13%	0.062%
36	6.726	6.710	6.767	VV	30	723	0.30%	0.147%
37	6.779	6.767	6.792	VV	22	234	0.10%	0.048%
38	6.806	6.792	6.828	VV	19	298	0.13%	0.061%
39	6.844	6.828	6.853	VV	19	251	0.11%	0.051%
40	6.862	6.853	6.893	VV	31	417	0.18%	0.085%
41	6.956	6.893	6.984	VV	35	816	0.34%	0.166%
42	7.024	6.984	7.031	PV	29	447	0.19%	0.091%
43	7.037	7.031	7.095	VB	28	572	0.24%	0.117%
44	7.126	7.101	7.145	BV	33	301	0.13%	0.061%
45	7.169	7.145	7.178	PV	29	339	0.14%	0.069%
46	7.190	7.178	7.212	VV	31	434	0.18%	0.088%
47	7.222	7.212	7.232	VV	23	224	0.09%	0.046%
48	7.256	7.232	7.264	VV	33	393	0.17%	0.080%
49	7.276	7.264	7.285	VV	37	339	0.14%	0.069%
50	7.292	7.285	7.313	VV	33	416	0.18%	0.085%
51	7.339	7.313	7.352	VV	30	473	0.20%	0.096%
52	7.369	7.352	7.382	VV	31	460	0.19%	0.094%
53	7.397	7.382	7.409	VV	31	479	0.20%	0.098%
54	7.423	7.409	7.438	VV	51	653	0.28%	0.133%
55	7.447	7.438	7.485	VV	46	867	0.37%	0.177%
56	7.502	7.485	7.513	VV	39	543	0.23%	0.111%
57	7.533	7.513	7.545	VV	44	720	0.30%	0.147%
58	7.558	7.545	7.587	VV	49	1015	0.43%	0.207%
59	7.596	7.587	7.603	VV	39	321	0.14%	0.066%
60	7.610	7.603	7.628	VV	40	493	0.21%	0.100%
61	7.638	7.628	7.649	VV	38	387	0.16%	0.079%
62	7.657	7.649	7.665	VV	35	299	0.13%	0.061%

63	7.681	7.665	7.702	VV	37	710	0.30%	0.145%
64	7.712	7.702	7.721	VV	33	314	0.13%	0.064%
65	7.732	7.721	7.752	VV	28	435	0.18%	0.089%
66	7.781	7.752	7.816	VV	47	1149	0.48%	0.234%
67	7.822	7.816	7.829	VV	23	190	0.08%	0.039%
68	7.839	7.829	7.861	VV	40	579	0.24%	0.118%
69	7.903	7.861	7.912	VV	54	1070	0.45%	0.218%
70	8.063	7.912	8.082	VV	191	11094	4.68%	2.261%
71	8.090	8.082	8.116	VV	185	3478	1.47%	0.709%
72	8.129	8.116	8.156	VV	165	3626	1.53%	0.739%
73	8.168	8.156	8.196	VV	146	3392	1.43%	0.691%
74	8.210	8.196	8.233	VV	153	3138	1.32%	0.639%
75	8.272	8.233	8.314	VV	142	6428	2.71%	1.310%
76	8.328	8.314	8.338	VV	124	1654	0.70%	0.337%
77	8.345	8.338	8.351	VV	116	876	0.37%	0.178%
78	8.365	8.351	8.540	VV	123	9581	4.04%	1.953%
79	8.572	8.540	8.630	VV	42	1689	0.71%	0.344%
80	8.800	8.630	8.973	VV	4108	237064	100.00%	48.316%
81	8.982	8.973	9.007	VV	66	1184	0.50%	0.241%
82	9.021	9.007	9.182	VV	65	3964	1.67%	0.808%
83	9.213	9.182	9.291	VV	39	1836	0.77%	0.374%
84	9.303	9.291	9.316	VV	27	393	0.17%	0.080%
85	9.359	9.316	9.375	VV	41	1089	0.46%	0.222%
86	9.388	9.375	9.503	VV	40	1970	0.83%	0.402%
87	9.522	9.503	9.547	VV	30	506	0.21%	0.103%
88	9.615	9.547	9.627	VV	28	1121	0.47%	0.228%
89	9.644	9.627	9.703	VV	36	1128	0.48%	0.230%
90	9.714	9.703	9.775	VV	36	855	0.36%	0.174%
91	9.782	9.775	9.842	VV	31	1009	0.43%	0.206%
92	9.946	9.842	10.062	VV	44	3725	1.57%	0.759%
93	10.075	10.062	10.121	VV	23	572	0.24%	0.117%
94	10.156	10.121	10.231	VV	32	1489	0.63%	0.304%
95	10.375	10.231	10.421	VV	106	7417	3.13%	1.512%
96	10.434	10.421	10.546	VV	97	4334	1.83%	0.883%
97	10.625	10.546	10.711	VV	90	5179	2.18%	1.056%
98	10.715	10.711	10.759	VV	45	762	0.32%	0.155%
99	10.777	10.759	10.805	VV	25	605	0.26%	0.123%
100	10.813	10.805	10.850	VV	30	694	0.29%	0.141%
101	10.877	10.850	10.897	VV	46	820	0.35%	0.167%

102	10.934	10.897	11.014	VV	34	1623	0.68%	0.331%
103	11.029	11.014	11.068	VV	19	494	0.21%	0.101%
104	11.161	11.068	11.178	VV	30	1285	0.54%	0.262%
105	11.202	11.178	11.251	VV	41	944	0.40%	0.192%
106	11.363	11.251	11.385	VV	28	1573	0.66%	0.321%
107	11.417	11.385	11.437	VV	47	769	0.32%	0.157%
108	11.464	11.437	11.503	VV	31	898	0.38%	0.183%
109	11.534	11.503	11.571	VV	37	1090	0.46%	0.222%
110	11.584	11.571	11.621	VV	34	749	0.32%	0.153%
111	11.647	11.621	11.658	VV	40	639	0.27%	0.130%
112	11.670	11.658	11.708	VV	32	733	0.31%	0.149%
113	11.747	11.708	11.813	VV	25	1267	0.53%	0.258%
114	11.822	11.813	11.843	VV	28	387	0.16%	0.079%
115	11.903	11.843	11.986	VV	35	2018	0.85%	0.411%
116	12.021	11.986	12.048	VV	49	1041	0.44%	0.212%
117	12.069	12.048	12.085	VV	29	561	0.24%	0.114%
118	12.099	12.085	12.177	PV	38	1222	0.52%	0.249%
119	12.202	12.177	12.225	VV	46	569	0.24%	0.116%
120	12.304	12.225	12.319	VV	28	1107	0.47%	0.226%
121	12.352	12.319	12.380	VV	24	712	0.30%	0.145%
122	12.391	12.380	12.428	VV	29	537	0.23%	0.109%
123	12.485	12.428	12.573	VV	25	1419	0.60%	0.289%
124	12.600	12.573	12.622	VV	21	457	0.19%	0.093%
125	12.687	12.622	12.711	VV	42	1126	0.48%	0.230%
126	12.784	12.711	12.820	VV	47	2181	0.92%	0.444%
127	12.905	12.820	12.943	VV	97	4899	2.07%	0.999%
128	12.961	12.943	13.015	VV	60	1628	0.69%	0.332%
129	13.061	13.015	13.140	VV	60	2912	1.23%	0.594%
130	13.195	13.140	13.273	VV	107	5143	2.17%	1.048%
131	13.292	13.273	13.327	VV	41	763	0.32%	0.156%
132	13.340	13.327	13.355	PV	19	238	0.10%	0.048%
133	13.383	13.355	13.402	VV	27	472	0.20%	0.096%
134	13.414	13.402	13.427	VV	22	281	0.12%	0.057%
135	13.440	13.427	13.461	VV	25	347	0.15%	0.071%
136	13.502	13.461	13.530	VV	24	750	0.32%	0.153%
137	13.563	13.530	13.577	VV	18	421	0.18%	0.086%
138	13.599	13.577	13.661	VV	20	496	0.21%	0.101%
139	13.750	13.661	13.764	PV	30	1004	0.42%	0.205%
140	13.932	13.764	13.985	VV	91	7354	3.10%	1.499%

141	13.998	13.985	14.022	VV	67	1449	0.61%	0.295%
142	14.120	14.022	14.271	VV	162	14304	6.03%	2.915%
143	14.308	14.271	14.354	VV	41	1424	0.60%	0.290%
144	14.427	14.354	14.457	VV	43	1628	0.69%	0.332%
145	14.479	14.457	14.499	VV	25	504	0.21%	0.103%
146	14.546	14.499	14.588	VV	33	1442	0.61%	0.294%
147	14.628	14.588	14.643	VV	31	955	0.40%	0.195%
148	14.680	14.643	14.694	VV	49	1048	0.44%	0.214%
149	14.705	14.694	14.726	VV	42	631	0.27%	0.129%
150	14.752	14.726	14.785	VV	53	1343	0.57%	0.274%
151	14.836	14.785	14.849	VV	48	1399	0.59%	0.285%
152	14.862	14.849	14.919	VV	47	1330	0.56%	0.271%
153	14.934	14.919	14.963	VV	36	743	0.31%	0.151%
154	15.081	14.963	15.142	VV	76	4929	2.08%	1.005%
155	15.187	15.142	15.203	VV	45	1332	0.56%	0.271%
156	15.225	15.203	15.250	VV	45	1046	0.44%	0.213%
157	15.264	15.250	15.308	VV	31	1027	0.43%	0.209%
158	15.408	15.308	15.470	VV	70	5265	2.22%	1.073%
159	15.493	15.470	15.517	VV	58	1428	0.60%	0.291%
160	15.550	15.517	15.623	VV	44	1497	0.63%	0.305%
161	15.726	15.623	15.747	PV	68	2041	0.86%	0.416%
162	15.781	15.747	15.811	VV	48	1489	0.63%	0.303%
163	15.857	15.811	15.899	VV	37	1640	0.69%	0.334%
164	15.985	15.899	16.002	VV	76	3112	1.31%	0.634%
165	16.073	16.002	16.129	VV	77	4838	2.04%	0.986%
166	16.208	16.129	16.319	VV	172	10026	4.23%	2.043%
167	16.331	16.319	16.344	VV	32	438	0.18%	0.089%
168	16.385	16.344	16.408	VV	42	1154	0.49%	0.235%
169	16.428	16.408	16.444	VV	39	521	0.22%	0.106%
170	16.478	16.444	16.567	VV	51	2428	1.02%	0.495%
171	16.611	16.567	16.628	VV	37	720	0.30%	0.147%
172	16.678	16.628	16.692	VV	22	402	0.17%	0.082%
173	16.812	16.692	16.828	PV	35	1520	0.64%	0.310%
174	16.967	16.828	17.000	VV	55	4104	1.73%	0.836%
175	17.018	17.000	17.082	VV	33	938	0.40%	0.191%

Sum of corrected areas: 490656

FB062325.M Tue Jul 01 01:43:40 2025

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-100	SDG No.:	Q2436
Lab Sample ID:	Q2436-08	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	85.6 Decanted:
Sample Wt/Vol:	6 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031958.D	1	06/27/25 17:01	FB062725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	8.00	U	8.00	44.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	15.1		50 - 150	76%	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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB062725\
Data File : FB031958.D
Signal(s) : FID2B.CH
Acq On : 27 Jun 2025 17:01
Operator : YP/AJ
Sample : Q2436-08
Misc : 6.00G/5.00 ML DI WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-100

Integration File: Calibration.e
Quant Time: Jun 28 05:16:15 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	8.794	233428	15.130 ng/ml
	Target Compounds			

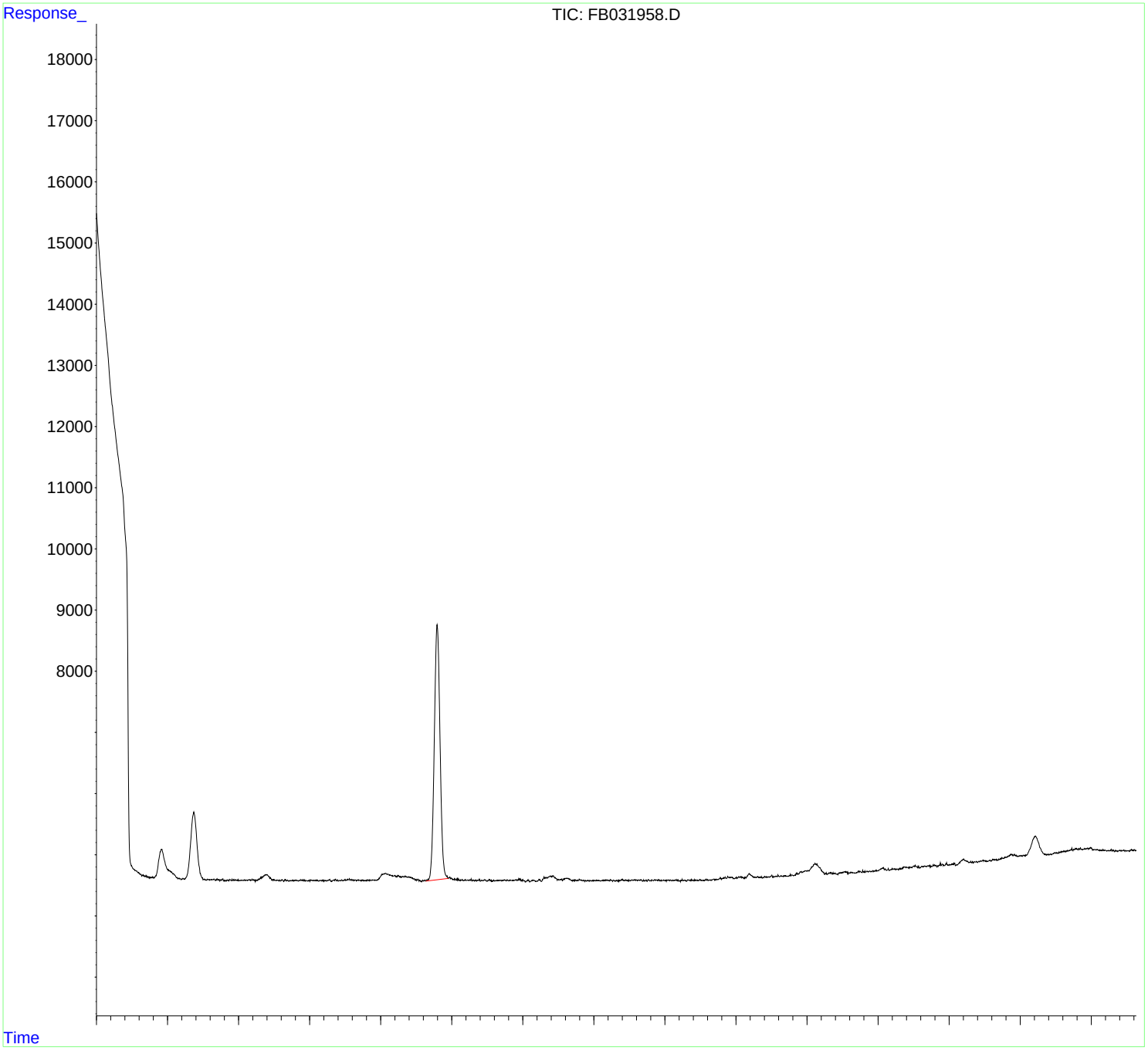
(f)=RT Delta > 1/2 Window (m)=manual int.

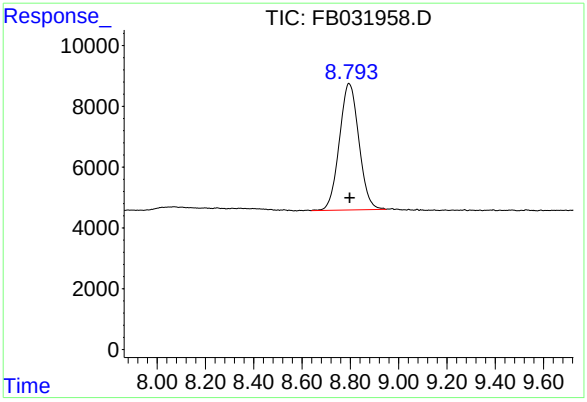
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB062725\
Data File : FB031958.D
Signal(s) : FID2B.CH
Acq On : 27 Jun 2025 17:01
Operator : YP/AJ
Sample : Q2436-08
Misc : 6.00G/5.00 ML DI WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-100

Integration File: Calibration.e
Quant Time: Jun 28 05:16:15 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.:	8.794 min
Delta R.T.:	-0.003 min
Response:	233428
Conc:	15.13 ng/ml

Instrument :
FID_B
ClientSampleId :
TP-100

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB062725\
Data File : FB031958.D
Signal(s) : FID2B.CH
Acq On : 27 Jun 2025 17:01
Sample : Q2436-08
Misc : 6.00G/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	% max.	% of total
1	4.660	4.604	4.689	BV	11	32	0.01%	0.007%
2	4.698	4.689	4.719	PV	23	139	0.06%	0.032%
3	4.727	4.719	4.804	PV	13	259	0.11%	0.059%
4	5.185	5.177	5.208	VV	8	49	0.02%	0.011%
5	5.219	5.208	5.235	VV	17	130	0.05%	0.030%
6	5.514	5.504	5.553	VV	18	277	0.12%	0.064%
7	5.565	5.553	5.580	VV	18	210	0.09%	0.048%
8	5.588	5.580	5.645	VV	17	516	0.22%	0.119%
9	5.655	5.645	5.673	VV	28	313	0.13%	0.072%
10	5.699	5.673	5.711	VV	33	394	0.16%	0.090%
11	5.720	5.711	5.739	VV	22	262	0.11%	0.060%
12	5.778	5.739	5.794	VV	33	609	0.25%	0.140%
13	5.804	5.794	5.813	PV	14	87	0.04%	0.020%
14	5.820	5.813	5.829	PV	10	65	0.03%	0.015%
15	5.855	5.829	5.865	VV	18	272	0.11%	0.063%
16	5.878	5.865	5.899	VV	27	354	0.15%	0.081%
17	5.911	5.899	5.923	VV	27	196	0.08%	0.045%
18	5.934	5.923	5.946	VV	29	211	0.09%	0.048%
19	5.956	5.946	5.966	VV	25	229	0.10%	0.053%
20	5.979	5.966	5.986	VV	18	174	0.07%	0.040%
21	5.994	5.986	6.004	VV	28	176	0.07%	0.041%
22	6.018	6.004	6.032	VV	14	181	0.08%	0.042%
23	6.061	6.032	6.070	VV	16	314	0.13%	0.072%

24	6.081	6.070	6.091	VV	25	213	0.09%	0.049%
25	6.107	6.091	6.129	VV	21	358	0.15%	0.082%
26	6.159	6.129	6.181	VV	27	624	0.26%	0.143%
27	6.193	6.181	6.207	VV	32	356	0.15%	0.082%
28	6.215	6.207	6.239	VV	27	373	0.16%	0.086%
29	6.248	6.239	6.257	PV	19	178	0.07%	0.041%
30	6.263	6.257	6.268	VV	21	115	0.05%	0.027%
31	6.403	6.268	6.489	VV	109	8489	3.54%	1.952%
32	6.501	6.489	6.531	VV	33	523	0.22%	0.120%
33	6.539	6.531	6.544	VV	20	121	0.05%	0.028%
34	6.550	6.544	6.571	VV	21	266	0.11%	0.061%
35	6.580	6.571	6.592	VV	23	192	0.08%	0.044%
36	6.611	6.592	6.635	VV	29	428	0.18%	0.098%
37	6.653	6.635	6.681	VV	27	426	0.18%	0.098%
38	6.692	6.681	6.708	VV	21	187	0.08%	0.043%
39	6.762	6.708	6.773	VV	20	417	0.17%	0.096%
40	6.796	6.773	6.843	VV	23	603	0.25%	0.139%
41	6.876	6.843	6.899	VV	22	543	0.23%	0.125%
42	6.908	6.899	6.923	VV	29	232	0.10%	0.053%
43	6.929	6.923	6.938	VV	26	137	0.06%	0.031%
44	6.948	6.938	6.967	VV	18	208	0.09%	0.048%
45	6.987	6.967	6.998	VV	17	191	0.08%	0.044%
46	7.025	6.998	7.047	VV	20	468	0.20%	0.108%
47	7.063	7.047	7.080	VV	22	298	0.12%	0.069%
48	7.089	7.080	7.101	VV	19	174	0.07%	0.040%
49	7.110	7.101	7.124	VV	26	202	0.08%	0.047%
50	7.145	7.124	7.173	VV	19	353	0.15%	0.081%
51	7.185	7.173	7.235	VV	25	462	0.19%	0.106%
52	7.284	7.235	7.309	VV	34	688	0.29%	0.158%
53	7.337	7.309	7.351	VV	25	365	0.15%	0.084%
54	7.361	7.351	7.379	VV	36	440	0.18%	0.101%
55	7.394	7.379	7.404	VV	28	270	0.11%	0.062%
56	7.430	7.404	7.439	VV	18	276	0.12%	0.063%
57	7.495	7.439	7.513	VV	29	834	0.35%	0.192%
58	7.559	7.513	7.638	VV	43	1920	0.80%	0.441%
59	7.647	7.638	7.666	VV	26	332	0.14%	0.076%
60	7.681	7.666	7.769	VV	27	1174	0.49%	0.270%
61	7.819	7.769	7.864	VV	27	1026	0.43%	0.236%
62	7.881	7.864	7.914	VV	29	685	0.29%	0.158%

63	8.071	7.914	8.177	VV	136	13905	5.81%	3.197%
64	8.199	8.177	8.231	VV	98	2878	1.20%	0.662%
65	8.249	8.231	8.289	VV	103	2960	1.24%	0.681%
66	8.313	8.289	8.331	VV	87	1987	0.83%	0.457%
67	8.344	8.331	8.384	VV	85	2550	1.06%	0.586%
68	8.398	8.384	8.510	VV	77	3995	1.67%	0.918%
69	8.527	8.510	8.577	VV	41	822	0.34%	0.189%
70	8.624	8.577	8.637	PV	25	550	0.23%	0.127%
71	8.795	8.637	8.952	VV	4193	239469	100.00%	55.056%
72	8.972	8.952	9.063	VV	76	3248	1.36%	0.747%
73	9.076	9.063	9.121	VV	58	1084	0.45%	0.249%
74	9.148	9.121	9.170	VV	35	724	0.30%	0.166%
75	9.193	9.170	9.209	VV	35	570	0.24%	0.131%
76	9.225	9.209	9.252	VV	30	632	0.26%	0.145%
77	9.273	9.252	9.330	VV	47	1139	0.48%	0.262%
78	9.337	9.330	9.349	VV	27	230	0.10%	0.053%
79	9.391	9.349	9.408	VV	41	852	0.36%	0.196%
80	9.470	9.408	9.494	VV	32	1119	0.47%	0.257%
81	9.531	9.494	9.574	VV	38	975	0.41%	0.224%
82	9.589	9.574	9.628	VV	31	556	0.23%	0.128%
83	9.692	9.628	9.704	VV	27	978	0.41%	0.225%
84	9.748	9.704	9.766	VV	32	910	0.38%	0.209%
85	9.786	9.766	9.803	VV	32	527	0.22%	0.121%
86	9.826	9.803	9.882	VV	30	1094	0.46%	0.252%
87	9.966	9.882	9.981	VV	45	1860	0.78%	0.428%
88	10.000	9.981	10.045	VV	39	717	0.30%	0.165%
89	10.076	10.045	10.101	VV	30	596	0.25%	0.137%
90	10.154	10.101	10.210	PV	27	1025	0.43%	0.236%
91	10.229	10.210	10.263	VV	44	766	0.32%	0.176%
92	10.386	10.263	10.413	VV	93	5886	2.46%	1.353%
93	10.429	10.413	10.514	VV	98	3646	1.52%	0.838%
94	10.547	10.514	10.566	VV	42	1064	0.44%	0.245%
95	10.622	10.566	10.697	VV	57	3387	1.41%	0.779%
96	10.729	10.697	10.780	VV	32	1113	0.46%	0.256%
97	10.798	10.780	10.838	VV	37	918	0.38%	0.211%
98	10.860	10.838	10.903	VV	20	639	0.27%	0.147%
99	10.917	10.903	10.939	VV	17	327	0.14%	0.075%
100	10.949	10.939	10.977	VV	20	360	0.15%	0.083%
101	10.996	10.977	11.095	VV	22	1233	0.51%	0.283%

102	11.148	11.095	11.223	VV	28	1493	0.62%	0.343%
103	11.236	11.223	11.265	VV	33	501	0.21%	0.115%
104	11.279	11.265	11.296	VV	24	297	0.12%	0.068%
105	11.324	11.296	11.357	VV	21	521	0.22%	0.120%
106	11.403	11.357	11.434	VV	40	1052	0.44%	0.242%
107	11.452	11.434	11.517	VV	27	907	0.38%	0.208%
108	11.536	11.517	11.550	VV	27	421	0.18%	0.097%
109	11.576	11.550	11.618	VV	35	936	0.39%	0.215%
110	11.633	11.618	11.651	VV	24	447	0.19%	0.103%
111	11.666	11.651	11.718	VV	28	671	0.28%	0.154%
112	11.735	11.718	11.754	VV	25	346	0.14%	0.080%
113	11.770	11.754	11.790	VV	27	428	0.18%	0.098%
114	11.817	11.790	11.837	VV	29	488	0.20%	0.112%
115	11.856	11.837	11.902	VV	31	829	0.35%	0.190%
116	11.915	11.902	11.958	VV	29	610	0.25%	0.140%
117	11.985	11.958	12.030	VV	24	711	0.30%	0.163%
118	12.078	12.030	12.097	VV	26	755	0.32%	0.174%
119	12.111	12.097	12.123	VV	19	238	0.10%	0.055%
120	12.159	12.123	12.173	VV	25	539	0.23%	0.124%
121	12.185	12.173	12.222	VV	29	345	0.14%	0.079%
122	12.243	12.222	12.308	PV	31	745	0.31%	0.171%
123	12.325	12.308	12.358	PV	25	520	0.22%	0.120%
124	12.373	12.358	12.408	VV	34	487	0.20%	0.112%
125	12.415	12.408	12.478	VV	22	448	0.19%	0.103%
126	12.493	12.478	12.558	VV	27	485	0.20%	0.111%
127	12.689	12.558	12.703	VV	24	1027	0.43%	0.236%
128	12.782	12.703	12.797	PV	44	1119	0.47%	0.257%
129	12.848	12.797	12.867	VV	46	1265	0.53%	0.291%
130	12.886	12.867	12.918	VV	50	1216	0.51%	0.280%
131	12.934	12.918	12.981	VV	41	1153	0.48%	0.265%
132	13.008	12.981	13.020	VV	33	582	0.24%	0.134%
133	13.043	13.020	13.117	VV	47	1797	0.75%	0.413%
134	13.133	13.117	13.146	VV	35	398	0.17%	0.092%
135	13.185	13.146	13.253	VV	85	3406	1.42%	0.783%
136	13.306	13.253	13.344	VV	30	1168	0.49%	0.268%
137	13.355	13.344	13.374	VV	20	283	0.12%	0.065%
138	13.406	13.374	13.452	VV	30	748	0.31%	0.172%
139	13.504	13.452	13.525	VV	50	930	0.39%	0.214%
140	13.594	13.525	13.614	VV	33	1042	0.44%	0.240%

141	13.635	13.614	13.664	VV	24	560	0.23%	0.129%
142	13.695	13.664	13.736	VV	27	811	0.34%	0.187%
143	13.768	13.736	13.812	VV	42	1080	0.45%	0.248%
144	13.856	13.812	13.870	VV	56	1233	0.52%	0.284%
145	14.115	13.870	14.249	VV	195	23965	10.01%	5.510%
146	14.270	14.249	14.293	VV	40	627	0.26%	0.144%
147	14.337	14.293	14.380	VV	44	1524	0.64%	0.350%
148	14.395	14.380	14.435	VV	24	545	0.23%	0.125%
149	14.525	14.435	14.582	PV	42	2388	1.00%	0.549%
150	14.594	14.582	14.605	PV	17	189	0.08%	0.044%
151	14.624	14.605	14.683	VV	23	599	0.25%	0.138%
152	14.748	14.683	14.772	VV	27	853	0.36%	0.196%
153	14.785	14.772	14.824	VV	38	467	0.19%	0.107%
154	14.846	14.824	14.862	VV	25	308	0.13%	0.071%
155	14.883	14.862	14.916	VV	19	382	0.16%	0.088%
156	14.971	14.916	14.989	VV	22	650	0.27%	0.149%
157	15.073	14.989	15.122	VV	56	2484	1.04%	0.571%
158	15.145	15.122	15.161	VV	36	372	0.16%	0.086%
159	15.201	15.161	15.247	VV	31	907	0.38%	0.209%
160	15.271	15.247	15.286	VV	17	326	0.14%	0.075%
161	15.313	15.286	15.334	VV	30	425	0.18%	0.098%
162	15.370	15.334	15.442	VV	41	2027	0.85%	0.466%
163	15.453	15.442	15.478	VV	32	580	0.24%	0.133%
164	15.524	15.478	15.584	VV	56	1996	0.83%	0.459%
165	15.616	15.584	15.635	VV	30	579	0.24%	0.133%
166	15.657	15.635	15.687	VV	29	757	0.32%	0.174%
167	15.725	15.687	15.759	VV	39	991	0.41%	0.228%
168	15.798	15.759	15.831	VV	37	979	0.41%	0.225%
169	15.879	15.831	15.937	PV	55	1491	0.62%	0.343%
170	15.964	15.937	15.996	VV	45	844	0.35%	0.194%
171	16.075	15.996	16.115	VV	32	1122	0.47%	0.258%
172	16.202	16.115	16.293	PV	86	4937	2.06%	1.135%
173	16.306	16.293	16.319	VV	32	326	0.14%	0.075%
174	16.330	16.319	16.343	VV	33	237	0.10%	0.054%
175	16.362	16.343	16.401	VV	24	539	0.23%	0.124%
176	16.476	16.401	16.545	VV	32	1395	0.58%	0.321%
177	16.574	16.545	16.591	PV	16	246	0.10%	0.057%
178	16.619	16.591	16.684	VV	23	660	0.28%	0.152%
179	16.746	16.684	16.759	PV	31	571	0.24%	0.131%
180	16.869	16.759	16.901	VV	65	3057	1.28%	0.703%

181	16.919	16.901	16.963	VV	56	1154	0.48%	0.265%
182	17.046	16.963	17.068	VV	8	536	0.22%	0.123%

Sum of corrected areas: 434958

FB062325.M Sat Jun 28 05:57:26 2025

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-99	SDG No.:	Q2436
Lab Sample ID:	Q2436-09	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	92.2 Decanted:
Sample Wt/Vol:	4.5 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031959.D	1	06/27/25 17:29	FB062725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	11.0	J	10.0	54.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	15.7		50 - 150	78%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB062725\
Data File : FB031959.D
Signal(s) : FID2B.CH
Acq On : 27 Jun 2025 17:29
Operator : YP/AJ
Sample : Q2436-09
Misc : 4.50G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-99

Integration File: Calibration.e
Quant Time: Jun 28 05:16:26 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	8.796	242153	15.696 ng/ml
Target Compounds			

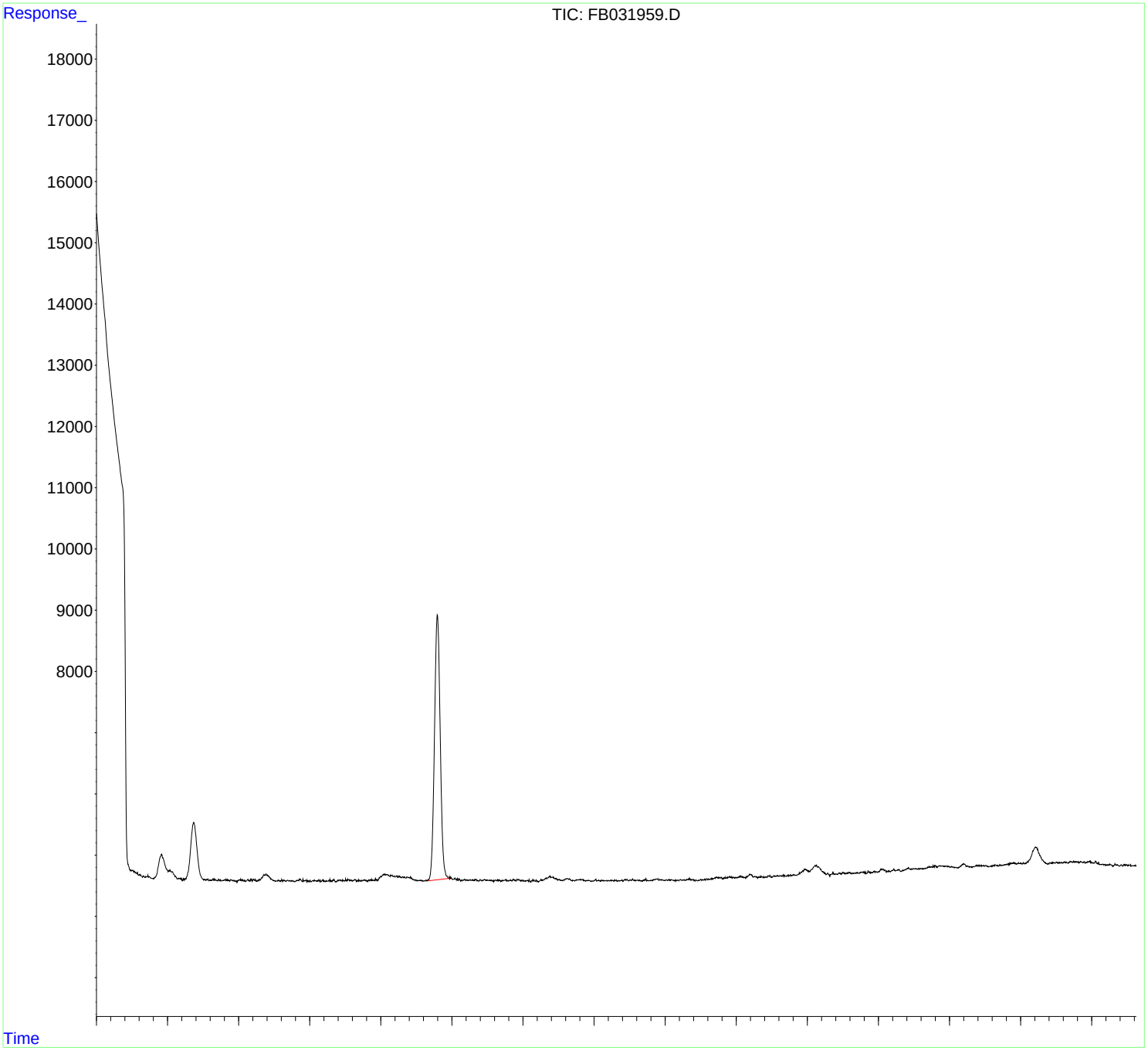
(f)=RT Delta > 1/2 Window (m)=manual int.

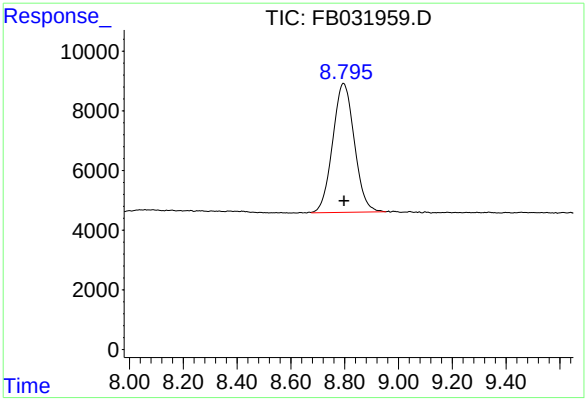
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB062725\
Data File : FB031959.D
Signal(s) : FID2B.CH
Acq On : 27 Jun 2025 17:29
Operator : YP/AJ
Sample : Q2436-09
Misc : 4.50G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-99

Integration File: Calibration.e
Quant Time: Jun 28 05:16:26 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





#5 AAA-TFT

R.T.:	8.796 min
Delta R.T.:	-0.002 min
Response:	242153
Conc:	15.70 ng/ml

Instrument :
FID_B
ClientSampleId :
TP-99

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB062725\
Data File : FB031959.D
Signal(s) : FID2B.CH
Acq On : 27 Jun 2025 17:29
Sample : Q2436-09
Misc : 4.50G/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	% max.	% of total
1	4.658	4.621	4.687	BV	8	49	0.02%	0.010%
2	4.725	4.687	4.807	PV	43	884	0.35%	0.176%
3	5.070	5.060	5.140	VV	136	3840	1.53%	0.764%
4	5.182	5.140	5.213	VV	44	1181	0.47%	0.235%
5	5.231	5.213	5.239	PV	37	348	0.14%	0.069%
6	5.528	5.509	5.537	VV	36	484	0.19%	0.096%
7	5.569	5.537	5.583	VV	47	792	0.31%	0.158%
8	5.595	5.583	5.603	VV	28	270	0.11%	0.054%
9	5.612	5.603	5.620	VV	25	217	0.09%	0.043%
10	5.641	5.620	5.667	VV	47	847	0.34%	0.169%
11	5.672	5.667	5.697	VV	37	493	0.20%	0.098%
12	5.720	5.697	5.762	VV	39	973	0.39%	0.194%
13	5.805	5.762	5.818	VV	42	941	0.37%	0.187%
14	5.820	5.818	5.827	VV	40	185	0.07%	0.037%
15	5.837	5.827	5.846	VV	45	372	0.15%	0.074%
16	5.852	5.846	5.878	VV	37	538	0.21%	0.107%
17	5.898	5.878	5.926	VV	41	981	0.39%	0.195%
18	5.934	5.926	5.951	VV	36	398	0.16%	0.079%
19	5.962	5.951	5.979	VV	26	321	0.13%	0.064%
20	6.013	5.979	6.026	PV	47	940	0.37%	0.187%
21	6.032	6.026	6.049	VV	52	513	0.20%	0.102%
22	6.056	6.049	6.078	VV	51	630	0.25%	0.125%
23	6.131	6.078	6.164	VV	51	1593	0.63%	0.317%

24	6.174	6.164	6.194	VV	61	701	0.28%	0.139%
25	6.211	6.194	6.223	VV	55	688	0.27%	0.137%
26	6.232	6.223	6.255	VV	48	636	0.25%	0.127%
27	6.276	6.255	6.284	VV	43	504	0.20%	0.100%
28	6.294	6.284	6.305	VV	54	511	0.20%	0.102%
29	6.358	6.305	6.371	VV	126	3530	1.40%	0.703%
30	6.386	6.371	6.402	VV	140	2316	0.92%	0.461%
31	6.406	6.402	6.519	VV	124	4344	1.73%	0.865%
32	6.563	6.519	6.587	VV	39	1042	0.41%	0.207%
33	6.604	6.587	6.616	VV	46	485	0.19%	0.097%
34	6.626	6.616	6.672	VV	39	901	0.36%	0.179%
35	6.689	6.672	6.742	VV	36	1108	0.44%	0.221%
36	6.758	6.742	6.768	VV	33	387	0.15%	0.077%
37	6.777	6.768	6.793	VV	23	270	0.11%	0.054%
38	6.836	6.793	6.847	VV	37	862	0.34%	0.171%
39	6.869	6.847	6.896	VV	54	1081	0.43%	0.215%
40	6.905	6.896	6.928	VV	45	536	0.21%	0.107%
41	6.945	6.928	6.970	VV	39	631	0.25%	0.126%
42	6.981	6.970	6.992	VV	25	235	0.09%	0.047%
43	7.003	6.992	7.022	VV	31	353	0.14%	0.070%
44	7.046	7.022	7.065	VV	30	608	0.24%	0.121%
45	7.072	7.065	7.092	VV	33	417	0.17%	0.083%
46	7.101	7.092	7.113	VV	25	280	0.11%	0.056%
47	7.128	7.113	7.162	VV	36	745	0.30%	0.148%
48	7.181	7.162	7.222	VV	40	838	0.33%	0.167%
49	7.232	7.222	7.238	VV	27	177	0.07%	0.035%
50	7.243	7.238	7.262	VV	22	283	0.11%	0.056%
51	7.344	7.262	7.373	VV	42	1660	0.66%	0.330%
52	7.424	7.373	7.460	VV	40	1442	0.57%	0.287%
53	7.470	7.460	7.485	VV	28	420	0.17%	0.084%
54	7.506	7.485	7.605	VV	51	2318	0.92%	0.461%
55	7.639	7.605	7.724	VV	49	2156	0.86%	0.429%
56	7.764	7.724	7.819	VV	40	1604	0.64%	0.319%
57	7.871	7.819	7.913	VV	48	1769	0.70%	0.352%
58	7.928	7.913	7.953	VV	54	881	0.35%	0.175%
59	8.059	7.953	8.080	VV	135	7291	2.90%	1.451%
60	8.087	8.080	8.130	VV	129	3405	1.35%	0.678%
61	8.158	8.130	8.201	VV	115	4322	1.72%	0.860%
62	8.227	8.201	8.242	VV	107	2291	0.91%	0.456%

63	8.261	8.242	8.295	VV	96	2688	1.07%	0.535%
64	8.306	8.295	8.321	VV	88	1274	0.51%	0.254%
65	8.333	8.321	8.356	VV	85	1593	0.63%	0.317%
66	8.371	8.356	8.521	VV	84	5554	2.21%	1.106%
67	8.565	8.521	8.623	VV	34	1475	0.59%	0.294%
68	8.637	8.623	8.659	VV	32	571	0.23%	0.114%
69	8.796	8.659	9.012	VV	4367	251675	100.00%	50.094%
70	9.043	9.012	9.091	VV	69	2220	0.88%	0.442%
71	9.102	9.091	9.140	VV	52	1017	0.40%	0.202%
72	9.183	9.140	9.200	VV	44	1162	0.46%	0.231%
73	9.212	9.200	9.239	VV	39	728	0.29%	0.145%
74	9.254	9.239	9.275	VV	38	669	0.27%	0.133%
75	9.293	9.275	9.309	VV	42	655	0.26%	0.130%
76	9.337	9.309	9.386	VV	45	1317	0.52%	0.262%
77	9.400	9.386	9.427	VV	36	689	0.27%	0.137%
78	9.457	9.427	9.484	VV	45	1091	0.43%	0.217%
79	9.497	9.484	9.520	VV	31	619	0.25%	0.123%
80	9.552	9.520	9.594	VV	36	1082	0.43%	0.215%
81	9.612	9.594	9.650	VV	35	878	0.35%	0.175%
82	9.670	9.650	9.689	VV	35	586	0.23%	0.117%
83	9.756	9.689	9.809	VV	38	1708	0.68%	0.340%
84	9.825	9.809	9.845	VV	37	557	0.22%	0.111%
85	9.867	9.845	9.903	VV	41	1051	0.42%	0.209%
86	9.943	9.903	9.967	VV	39	1175	0.47%	0.234%
87	9.986	9.967	10.034	VV	30	816	0.32%	0.162%
88	10.089	10.034	10.115	VV	30	817	0.32%	0.163%
89	10.134	10.115	10.173	PV	38	715	0.28%	0.142%
90	10.185	10.173	10.221	VV	31	379	0.15%	0.075%
91	10.253	10.221	10.275	VV	44	742	0.29%	0.148%
92	10.372	10.275	10.560	VV	91	8807	3.50%	1.753%
93	10.624	10.560	10.730	VV	53	3399	1.35%	0.676%
94	10.796	10.730	10.903	VV	39	2753	1.09%	0.548%
95	10.933	10.903	10.961	VV	21	566	0.22%	0.113%
96	11.024	10.961	11.095	VV	34	1288	0.51%	0.256%
97	11.111	11.095	11.189	VV	23	881	0.35%	0.175%
98	11.201	11.189	11.223	VV	14	283	0.11%	0.056%
99	11.235	11.223	11.284	VV	22	589	0.23%	0.117%
100	11.296	11.284	11.327	VV	19	385	0.15%	0.077%
101	11.354	11.327	11.370	VV	18	318	0.13%	0.063%

102	11.389	11.370	11.408	VV	18	344	0.14%	0.069%
103	11.432	11.408	11.451	VV	37	609	0.24%	0.121%
104	11.464	11.451	11.484	VV	37	482	0.19%	0.096%
105	11.508	11.484	11.523	VV	29	454	0.18%	0.090%
106	11.542	11.523	11.580	VV	42	770	0.31%	0.153%
107	11.610	11.580	11.676	VV	22	855	0.34%	0.170%
108	11.730	11.676	11.773	VV	42	1058	0.42%	0.211%
109	11.884	11.773	11.997	VV	39	3119	1.24%	0.621%
110	12.021	11.997	12.036	VV	27	461	0.18%	0.092%
111	12.051	12.036	12.072	VV	30	440	0.17%	0.087%
112	12.086	12.072	12.193	VV	29	1218	0.48%	0.242%
113	12.215	12.193	12.244	VV	31	597	0.24%	0.119%
114	12.267	12.244	12.280	VV	26	414	0.16%	0.082%
115	12.342	12.280	12.422	VV	49	2022	0.80%	0.402%
116	12.436	12.422	12.454	PV	20	222	0.09%	0.044%
117	12.724	12.454	12.779	VV	51	5391	2.14%	1.073%
118	12.790	12.779	12.817	VV	49	813	0.32%	0.162%
119	12.899	12.817	12.980	VV	56	3740	1.49%	0.744%
120	12.998	12.980	13.012	VV	38	628	0.25%	0.125%
121	13.061	13.012	13.135	VV	62	2945	1.17%	0.586%
122	13.192	13.135	13.241	VV	79	3661	1.45%	0.729%
123	13.256	13.241	13.303	VV	44	1319	0.52%	0.263%
124	13.340	13.303	13.417	VV	43	1916	0.76%	0.381%
125	13.450	13.417	13.463	VV	49	921	0.37%	0.183%
126	13.475	13.463	13.494	VV	54	649	0.26%	0.129%
127	13.532	13.494	13.602	VV	42	2266	0.90%	0.451%
128	13.617	13.602	13.703	VV	41	2208	0.88%	0.440%
129	13.806	13.703	13.849	VV	56	3480	1.38%	0.693%
130	13.973	13.849	14.028	VV	136	9817	3.90%	1.954%
131	14.128	14.028	14.268	VV	197	17789	7.07%	3.541%
132	14.287	14.268	14.317	VV	51	1103	0.44%	0.220%
133	14.362	14.317	14.382	PV	52	1404	0.56%	0.279%
134	14.406	14.382	14.429	VV	33	901	0.36%	0.179%
135	14.449	14.429	14.482	VV	44	1248	0.50%	0.248%
136	14.503	14.482	14.544	VV	53	1496	0.59%	0.298%
137	14.566	14.544	14.638	VV	43	1981	0.79%	0.394%
138	14.658	14.638	14.671	VV	36	566	0.22%	0.113%
139	14.699	14.671	14.713	VV	37	750	0.30%	0.149%
140	14.790	14.713	14.835	VV	44	2200	0.87%	0.438%

141	14.856	14.835	14.900	VV	55	1088	0.43%	0.217%
142	14.942	14.900	14.991	VV	43	1600	0.64%	0.318%
143	15.065	14.991	15.139	VV	68	3922	1.56%	0.781%
144	15.150	15.139	15.167	VV	33	453	0.18%	0.090%
145	15.218	15.167	15.242	VV	62	1636	0.65%	0.326%
146	15.281	15.242	15.317	VV	46	1473	0.59%	0.293%
147	15.424	15.317	15.473	VV	68	3540	1.41%	0.705%
148	15.493	15.473	15.506	VV	49	826	0.33%	0.164%
149	15.522	15.506	15.573	VV	46	1542	0.61%	0.307%
150	15.744	15.573	15.778	VV	61	5578	2.22%	1.110%
151	15.798	15.778	15.835	VV	72	2041	0.81%	0.406%
152	15.868	15.835	16.018	VV	69	5900	2.34%	1.174%
153	16.031	16.018	16.077	VV	42	1105	0.44%	0.220%
154	16.092	16.077	16.107	VV	24	386	0.15%	0.077%
155	16.199	16.107	16.242	VV	80	3562	1.42%	0.709%
156	16.254	16.242	16.310	VV	33	970	0.39%	0.193%
157	16.384	16.310	16.433	VV	45	1845	0.73%	0.367%
158	16.446	16.433	16.497	VV	34	945	0.38%	0.188%
159	16.512	16.497	16.554	VV	24	532	0.21%	0.106%
160	16.645	16.554	16.689	PV	19	948	0.38%	0.189%
161	16.723	16.689	16.737	VV	21	275	0.11%	0.055%
162	16.923	16.737	16.956	PV	31	2600	1.03%	0.518%
163	16.998	16.956	17.032	VV	21	606	0.24%	0.121%
164	17.041	17.032	17.062	VV	25	184	0.07%	0.037%

Sum of corrected areas: 502403

FB062325.M Sat Jun 28 05:57:43 2025

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-82	SDG No.:	Q2436
Lab Sample ID:	Q2436-10	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	92 Decanted:
Sample Wt/Vol:	5 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031970.D	1	06/30/25 12:31	FB063025

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	17.1		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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB063025\
Data File : FB031970.D
Signal(s) : FID2B.CH
Acq On : 30 Jun 2025 12:31
Operator : YP/AJ
Sample : Q2436-10
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-82

Integration File: Calibration.e
Quant Time: Jul 01 01:07:15 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	8.800	263289	17.066 ng/ml
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

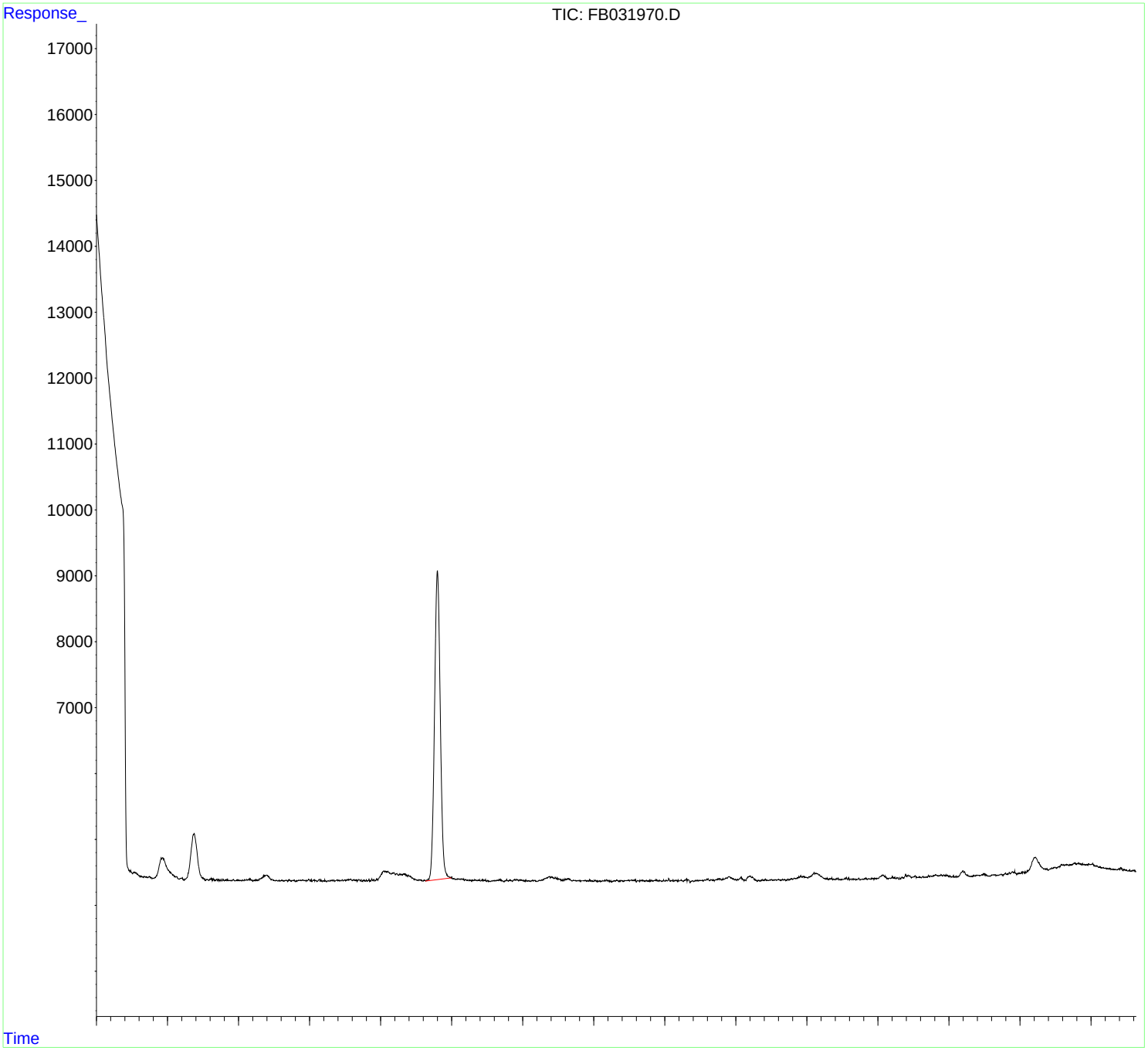
Quantitation Report (QT Reviewed)

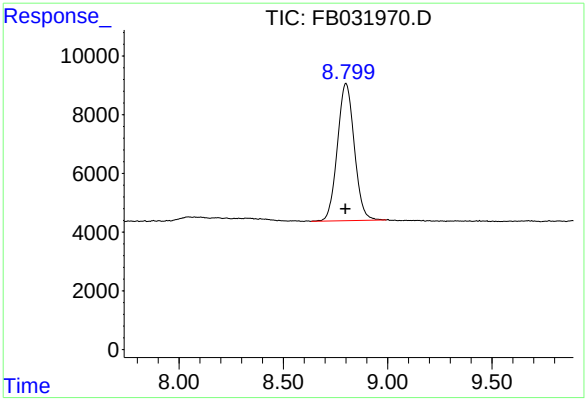
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB063025\
Data File : FB031970.D
Signal(s) : FID2B.CH
Acq On : 30 Jun 2025 12:31
Operator : YP/AJ
Sample : Q2436-10
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-82

Integration File: Calibration.e
Quant Time: Jul 01 01:07:15 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.:	8.800 min
Delta R.T.:	0.002 min
Response:	263289
Conc:	17.07 ng/ml

Instrument :
FID_B
ClientSampleId :
TP-82

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB063025\
Data File : FB031970.D
Signal(s) : FID2B.CH
Acq On : 30 Jun 2025 12:31
Sample : Q2436-10
Misc : 5.00G/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	% max.	% of total
1	4.673	4.661	4.726	PV	17	379	0.14%	0.077%
2	4.748	4.726	4.786	VV	28	541	0.20%	0.110%
3	4.795	4.786	4.813	PV	10	112	0.04%	0.023%
4	5.126	5.113	5.166	VV	52	1080	0.40%	0.220%
5	5.204	5.166	5.239	VV	36	914	0.34%	0.186%
6	5.502	5.495	5.536	VV	45	648	0.24%	0.132%
7	5.556	5.536	5.581	VV	24	414	0.15%	0.084%
8	5.618	5.581	5.634	VV	34	675	0.25%	0.137%
9	5.649	5.634	5.676	VV	31	433	0.16%	0.088%
10	5.694	5.676	5.709	VV	22	284	0.10%	0.058%
11	5.718	5.709	5.741	VV	26	279	0.10%	0.057%
12	5.755	5.741	5.767	VV	24	169	0.06%	0.034%
13	5.779	5.767	5.801	PV	26	258	0.09%	0.052%
14	5.839	5.801	5.856	VV	22	484	0.18%	0.099%
15	5.877	5.856	5.886	VV	12	158	0.06%	0.032%
16	5.895	5.886	5.904	VV	14	97	0.04%	0.020%
17	5.932	5.904	5.954	VV	24	381	0.14%	0.077%
18	5.982	5.954	6.005	VV	18	333	0.12%	0.068%
19	6.011	6.005	6.021	VV	15	116	0.04%	0.024%
20	6.059	6.021	6.076	VV	19	356	0.13%	0.072%
21	6.088	6.076	6.100	VV	24	233	0.09%	0.047%
22	6.119	6.100	6.131	VV	27	349	0.13%	0.071%
23	6.166	6.131	6.204	VV	42	923	0.34%	0.188%

24	6.224	6.204	6.231	PV	19	212	0.08%	0.043%
25	6.248	6.231	6.272	VV	27	441	0.16%	0.090%
26	6.297	6.272	6.304	VV	40	498	0.18%	0.101%
27	6.360	6.304	6.370	VV	96	2421	0.89%	0.493%
28	6.397	6.370	6.460	VV	96	3807	1.40%	0.774%
29	6.470	6.460	6.513	VV	36	675	0.25%	0.137%
30	6.537	6.513	6.560	VV	18	336	0.12%	0.068%
31	6.574	6.560	6.584	VV	18	161	0.06%	0.033%
32	6.607	6.584	6.644	VV	22	413	0.15%	0.084%
33	6.676	6.644	6.691	VV	19	377	0.14%	0.077%
34	6.714	6.691	6.752	VV	30	535	0.20%	0.109%
35	6.785	6.752	6.802	VV	26	412	0.15%	0.084%
36	6.812	6.802	6.817	PV	13	71	0.03%	0.014%
37	6.823	6.817	6.829	VV	17	82	0.03%	0.017%
38	6.871	6.829	6.881	VV	21	537	0.20%	0.109%
39	6.910	6.881	6.925	VV	28	529	0.19%	0.108%
40	6.934	6.925	6.956	VV	20	281	0.10%	0.057%
41	6.960	6.956	6.969	VV	19	116	0.04%	0.024%
42	6.987	6.969	7.014	VV	33	584	0.22%	0.119%
43	7.020	7.014	7.036	VV	31	243	0.09%	0.049%
44	7.066	7.036	7.107	VV	26	686	0.25%	0.140%
45	7.140	7.107	7.151	VV	35	476	0.18%	0.097%
46	7.162	7.151	7.178	VV	29	208	0.08%	0.042%
47	7.194	7.178	7.208	VV	15	179	0.07%	0.036%
48	7.215	7.208	7.239	VV	27	208	0.08%	0.042%
49	7.265	7.239	7.277	VV	13	204	0.08%	0.042%
50	7.320	7.277	7.332	VV	28	513	0.19%	0.104%
51	7.342	7.332	7.357	VV	26	222	0.08%	0.045%
52	7.390	7.357	7.399	VV	28	453	0.17%	0.092%
53	7.408	7.399	7.418	VV	25	205	0.08%	0.042%
54	7.434	7.418	7.443	VV	19	250	0.09%	0.051%
55	7.462	7.443	7.473	VV	32	360	0.13%	0.073%
56	7.495	7.473	7.520	VV	26	563	0.21%	0.115%
57	7.533	7.520	7.543	VV	35	380	0.14%	0.077%
58	7.581	7.543	7.608	VV	39	1139	0.42%	0.232%
59	7.623	7.608	7.656	VV	32	688	0.25%	0.140%
60	7.663	7.656	7.681	VV	30	296	0.11%	0.060%
61	7.695	7.681	7.718	VV	36	553	0.20%	0.113%
62	7.726	7.718	7.740	VV	27	190	0.07%	0.039%

63	7.757	7.740	7.787	VV	26	443	0.16%	0.090%
64	7.801	7.787	7.810	VV	31	239	0.09%	0.049%
65	7.837	7.810	7.848	VV	39	406	0.15%	0.083%
66	7.878	7.848	7.892	VV	42	572	0.21%	0.116%
67	7.905	7.892	7.924	VV	36	450	0.17%	0.091%
68	8.046	7.924	8.065	VV	166	7493	2.76%	1.524%
69	8.075	8.065	8.092	VV	163	2473	0.91%	0.503%
70	8.105	8.092	8.149	VV	160	4851	1.79%	0.987%
71	8.188	8.149	8.208	VV	140	4552	1.68%	0.926%
72	8.229	8.208	8.250	VV	127	2884	1.06%	0.587%
73	8.287	8.250	8.311	VV	122	4026	1.48%	0.819%
74	8.319	8.311	8.332	VV	122	1447	0.53%	0.294%
75	8.337	8.332	8.380	VV	120	3061	1.13%	0.623%
76	8.390	8.380	8.523	VV	107	5138	1.89%	1.045%
77	8.546	8.523	8.601	VV	33	1171	0.43%	0.238%
78	8.612	8.601	8.633	VV	29	433	0.16%	0.088%
79	8.800	8.633	8.993	VV	4718	271683	100.00%	55.263%
80	9.002	8.993	9.021	VV	81	997	0.37%	0.203%
81	9.035	9.021	9.050	VV	56	831	0.31%	0.169%
82	9.057	9.050	9.066	VV	45	394	0.15%	0.080%
83	9.089	9.066	9.098	VV	49	878	0.32%	0.179%
84	9.109	9.098	9.116	VV	46	472	0.17%	0.096%
85	9.125	9.116	9.132	VV	48	412	0.15%	0.084%
86	9.151	9.132	9.163	VV	49	833	0.31%	0.169%
87	9.171	9.163	9.181	VV	50	398	0.15%	0.081%
88	9.202	9.181	9.226	VV	40	809	0.30%	0.165%
89	9.235	9.226	9.247	VV	31	352	0.13%	0.072%
90	9.256	9.247	9.280	VV	33	482	0.18%	0.098%
91	9.325	9.280	9.345	VV	37	1023	0.38%	0.208%
92	9.349	9.345	9.365	VV	28	295	0.11%	0.060%
93	9.395	9.365	9.409	VV	35	658	0.24%	0.134%
94	9.441	9.409	9.468	VV	44	910	0.34%	0.185%
95	9.476	9.468	9.495	VV	38	336	0.12%	0.068%
96	9.505	9.495	9.514	VV	26	215	0.08%	0.044%
97	9.520	9.514	9.549	VV	21	287	0.11%	0.058%
98	9.588	9.549	9.600	VV	26	590	0.22%	0.120%
99	9.612	9.600	9.622	VV	24	289	0.11%	0.059%
100	9.676	9.622	9.685	VV	43	1098	0.40%	0.223%
101	9.691	9.685	9.734	VV	41	642	0.24%	0.131%

102	9.775	9.734	9.800	VV	43	844	0.31%	0.172%
103	9.818	9.800	9.857	VV	33	839	0.31%	0.171%
104	9.886	9.857	9.898	VV	48	766	0.28%	0.156%
105	9.912	9.898	9.923	VV	43	544	0.20%	0.111%
106	9.932	9.923	9.944	VV	40	394	0.15%	0.080%
107	9.962	9.944	10.037	VV	39	1520	0.56%	0.309%
108	10.044	10.037	10.073	VV	36	460	0.17%	0.094%
109	10.087	10.073	10.110	VV	26	425	0.16%	0.087%
110	10.141	10.110	10.152	VV	35	576	0.21%	0.117%
111	10.166	10.152	10.201	VV	30	628	0.23%	0.128%
112	10.271	10.201	10.279	VV	40	1195	0.44%	0.243%
113	10.376	10.279	10.399	VV	87	4574	1.68%	0.930%
114	10.411	10.399	10.446	VV	88	2076	0.76%	0.422%
115	10.459	10.446	10.497	VV	76	1822	0.67%	0.371%
116	10.506	10.497	10.560	VV	57	1584	0.58%	0.322%
117	10.648	10.560	10.701	VV	57	3475	1.28%	0.707%
118	10.714	10.701	10.774	VV	32	1160	0.43%	0.236%
119	10.784	10.774	10.793	VV	31	286	0.11%	0.058%
120	10.885	10.793	10.897	VV	33	1559	0.57%	0.317%
121	10.905	10.897	10.912	VV	27	202	0.07%	0.041%
122	10.943	10.912	10.956	VV	41	702	0.26%	0.143%
123	10.962	10.956	10.978	VV	29	310	0.11%	0.063%
124	10.985	10.978	10.997	VV	26	231	0.09%	0.047%
125	11.008	10.997	11.064	VV	34	889	0.33%	0.181%
126	11.127	11.064	11.141	VV	31	945	0.35%	0.192%
127	11.182	11.141	11.257	VV	42	1706	0.63%	0.347%
128	11.324	11.257	11.359	VV	29	1431	0.53%	0.291%
129	11.388	11.359	11.423	VV	31	956	0.35%	0.194%
130	11.496	11.423	11.512	VV	35	1556	0.57%	0.316%
131	11.531	11.512	11.562	VV	43	1000	0.37%	0.203%
132	11.586	11.562	11.601	VV	43	718	0.26%	0.146%
133	11.616	11.601	11.665	VV	31	959	0.35%	0.195%
134	11.681	11.665	11.727	VV	34	1015	0.37%	0.206%
135	11.741	11.727	11.838	VV	36	1767	0.65%	0.359%
136	11.878	11.838	11.905	VV	45	1266	0.47%	0.257%
137	11.915	11.905	11.973	VV	36	1112	0.41%	0.226%
138	11.986	11.973	12.001	VV	42	482	0.18%	0.098%
139	12.023	12.001	12.040	VV	36	709	0.26%	0.144%
140	12.058	12.040	12.080	VV	60	914	0.34%	0.186%

141	12.153	12.080	12.205	VV	37	2217	0.82%	0.451%
142	12.229	12.205	12.260	VV	43	1025	0.38%	0.209%
143	12.305	12.260	12.358	VV	60	2130	0.78%	0.433%
144	12.392	12.358	12.407	PV	30	614	0.23%	0.125%
145	12.436	12.407	12.475	VV	38	1153	0.42%	0.235%
146	12.498	12.475	12.512	VV	36	680	0.25%	0.138%
147	12.525	12.512	12.544	VV	35	581	0.21%	0.118%
148	12.610	12.544	12.631	VV	55	2005	0.74%	0.408%
149	12.654	12.631	12.700	VV	42	1385	0.51%	0.282%
150	12.784	12.700	12.801	VV	54	2590	0.95%	0.527%
151	12.906	12.801	13.018	VV	83	6874	2.53%	1.398%
152	13.074	13.018	13.143	VV	68	3084	1.14%	0.627%
153	13.200	13.143	13.304	VV	84	5081	1.87%	1.034%
154	13.321	13.304	13.339	VV	20	290	0.11%	0.059%
155	13.372	13.339	13.402	VV	24	667	0.25%	0.136%
156	13.416	13.402	13.459	VV	32	707	0.26%	0.144%
157	13.500	13.459	13.543	VV	30	1033	0.38%	0.210%
158	13.556	13.543	13.571	VV	26	348	0.13%	0.071%
159	13.601	13.571	13.636	VV	31	854	0.31%	0.174%
160	13.659	13.636	13.672	VV	31	453	0.17%	0.092%
161	13.688	13.672	13.706	VV	29	405	0.15%	0.082%
162	13.736	13.706	13.749	VV	35	512	0.19%	0.104%
163	13.784	13.749	13.808	VV	35	1037	0.38%	0.211%
164	13.917	13.808	14.017	VV	78	6561	2.41%	1.335%
165	14.103	14.017	14.265	VV	127	11220	4.13%	2.282%
166	14.282	14.265	14.308	VV	30	625	0.23%	0.127%
167	14.346	14.308	14.401	VV	31	1169	0.43%	0.238%
168	14.439	14.401	14.476	VV	35	793	0.29%	0.161%
169	14.557	14.476	14.582	VV	45	1186	0.44%	0.241%
170	14.589	14.582	14.607	VV	34	294	0.11%	0.060%
171	14.625	14.607	14.640	VV	17	282	0.10%	0.057%
172	14.653	14.640	14.707	VV	25	467	0.17%	0.095%
173	14.732	14.707	14.752	VV	29	360	0.13%	0.073%
174	14.827	14.752	14.852	PV	26	740	0.27%	0.150%
175	14.870	14.852	14.901	VV	20	409	0.15%	0.083%
176	14.924	14.901	15.003	VV	26	1115	0.41%	0.227%
177	15.067	15.003	15.148	VV	71	3570	1.31%	0.726%
178	15.206	15.148	15.220	VV	50	972	0.36%	0.198%
179	15.238	15.220	15.255	VV	30	435	0.16%	0.088%
180	15.271	15.255	15.299	VV	23	396	0.15%	0.080%

181	15.341	15.299	15.367	PV	36	689	0.25%	0.140%
182	15.392	15.367	15.410	VV	72	1200	0.44%	0.244%
183	15.426	15.410	15.472	VV	55	1564	0.58%	0.318%
184	15.528	15.472	15.564	VV	47	1578	0.58%	0.321%
185	15.585	15.564	15.615	VV	31	608	0.22%	0.124%
186	15.634	15.615	15.668	VV	31	676	0.25%	0.138%
187	15.681	15.668	15.696	VV	19	315	0.12%	0.064%
188	15.715	15.696	15.768	VV	45	1319	0.49%	0.268%
189	15.814	15.768	15.866	VV	44	2280	0.84%	0.464%
190	15.893	15.866	15.912	VV	41	1076	0.40%	0.219%
191	15.928	15.912	15.957	VV	47	925	0.34%	0.188%
192	15.976	15.957	16.046	VV	42	1298	0.48%	0.264%
193	16.063	16.046	16.115	VV	30	490	0.18%	0.100%
194	16.197	16.115	16.325	VV	96	4826	1.78%	0.982%
195	16.354	16.325	16.369	VV	25	380	0.14%	0.077%
196	16.388	16.369	16.436	VV	25	798	0.29%	0.162%
197	16.494	16.436	16.581	VV	45	1856	0.68%	0.378%
198	16.624	16.581	16.681	PV	21	818	0.30%	0.166%
199	16.736	16.681	16.767	VV	21	578	0.21%	0.118%
200	16.796	16.767	16.814	PV	26	511	0.19%	0.104%
201	16.850	16.814	16.864	VV	42	667	0.25%	0.136%
202	16.893	16.864	16.954	VV	44	1681	0.62%	0.342%
203	16.990	16.954	17.003	PV	15	287	0.11%	0.058%
204	17.050	17.003	17.084	VV	26	646	0.24%	0.131%

Sum of corrected areas: 491617

FB062325.M Tue Jul 01 01:44:12 2025

CALIBRATION SUMMARY

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

GASOLINE RANGE ORGANICS INITIAL CALIBRATION SUMMARY

Lab Name: Chemtech Contract: CAMP02

ProjectID: South River WM Replacement

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG No.: Q2436

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**

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Fax : 908 789 8922

GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Chemtech Contract: CAMP02

ProjectID: South River WM Replacement

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG No.: Q2436

DataFile: FB031945.D Analyst Name: YP/AJ Analyst Date: 06-27-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	4972296	27624	29754	7.159

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB062725\
Data File : FB031945.D
Signal(s) : FID2B.CH
Acq On : 27 Jun 2025 9:38
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/30/2025
Supervised By :mohammad ahmed 06/30/2025

Integration File: Calibration.e
Quant Time: Jun 28 05:14:03 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	8.792	283793	18.395 ng/ml
	Target Compounds			
1) t	2-Methylpentane	4.708	673699	26.481 ng/ml
2) t	2,2,4-Trimethylpentane	7.419	816067	30.261 ng/ml
3) t	n-Heptane	7.752	243521	9.760 ng/ml
4) t	Benzene	7.890	324104	9.533 ng/ml
6) t	Toluene	10.621	969856	27.123 ng/ml
7) t	Ethylbenzene	13.057	288306	9.130 ng/ml
8) t	m-Xylene	13.190	601020	18.324 ng/ml
9) t	O-Xylene	13.917	571878	18.425 ng/ml
10) t	1,2,4-Trimethylbenzene	16.190	483845	18.299 ng/mlm

(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB062725\
Data File : FB031945.D
Signal(s) : FID2B.CH
Acq On : 27 Jun 2025 9:38
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

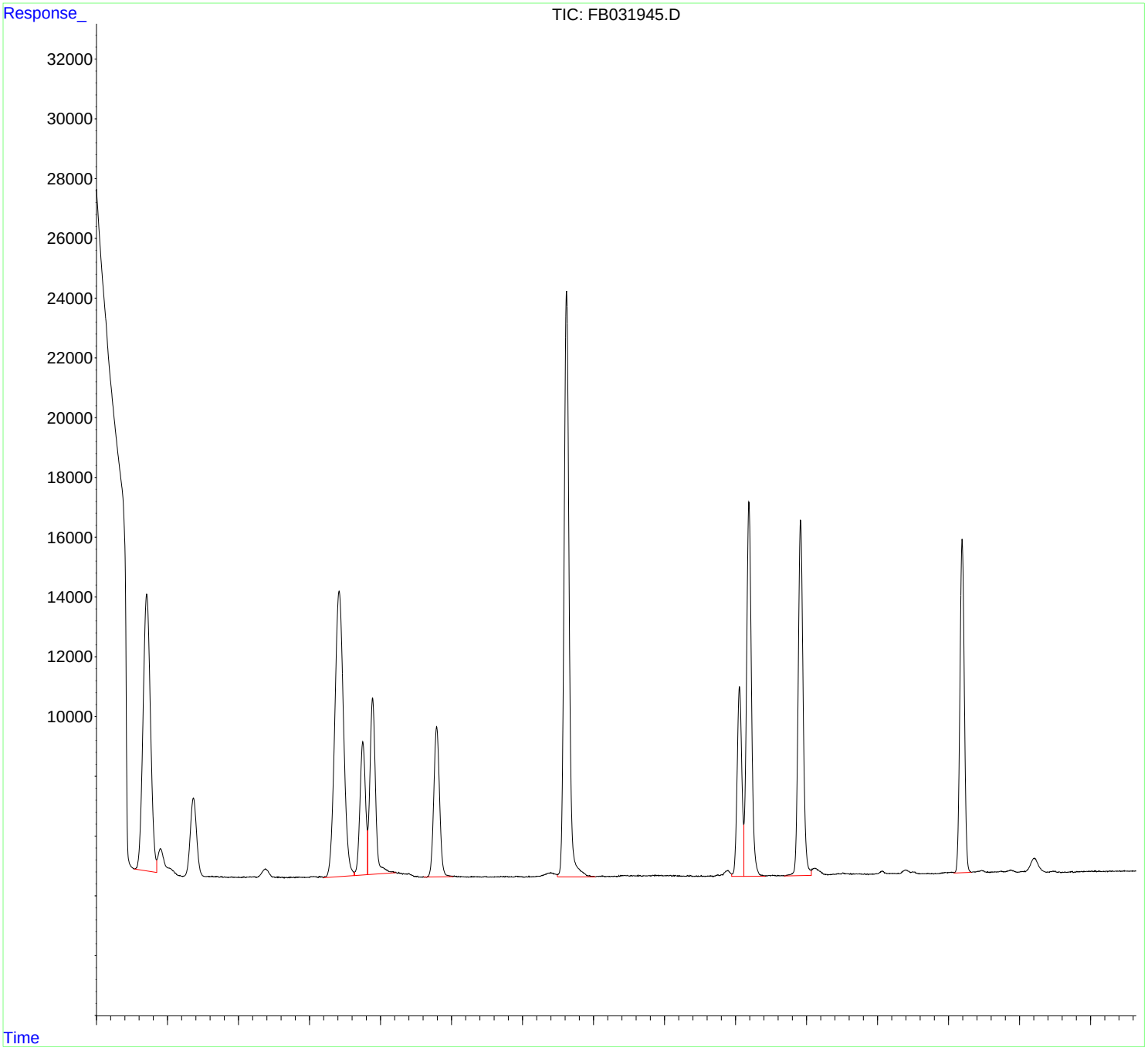
Integration File: Calibration.e
Quant Time: Jun 28 05:14:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
Quant Title :
QLast Update : Mon Jun 23 13:56:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/30/2025
Supervised By :mohammad ahmed 06/30/2025



Instrument :
FID_B
LabSampleId :
20 PPB GRO STD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/30/2025
Supervised By :mohammad ahmed 06/30/2025

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB062725\
Data File : FB031945.D
Signal(s) : FID2B.CH
Acq On : 27 Jun 2025 9:38
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: Calibration.e

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

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	% max.	% of total
1	4.708	4.532	4.849	BV	9257	673699	69.46%	12.815%
2	7.419	7.194	7.632	PV	9553	816067	84.14%	15.523%
3	7.752	7.632	7.820	VV	4456	243521	25.11%	4.632%
4	7.890	7.820	8.206	VV	5905	324104	33.42%	6.165%
5	8.792	8.609	9.021	BV	5022	283793	29.26%	5.398%
6	10.621	10.491	11.028	VV	19590	969856	100.00%	18.448%
7	13.057	12.946	13.117	VV	6347	288306	29.73%	5.484%
8	13.190	13.117	13.419	VV	12522	601020	61.97%	11.432%
9	13.917	13.686	14.067	BV	11891	571878	58.97%	10.878%
10	16.192	15.746	16.326	BV	11144	484948	50.00%	9.224%

Sum of corrected areas: 5257191

FB062325.M Sat Jun 28 05:34:45 2025

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

GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Chemtech Contract: CAMP02

ProjectID: South River WM Replacement

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG No.: Q2436

DataFile: FB031955.D Analyst Name: YP/AJ Analyst Date: 06-27-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	4580542	25447	29754	14.475

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB062725\
Data File : FB031955.D
Signal(s) : FID2B.CH
Acq On : 27 Jun 2025 15:21
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Jun 28 05:15:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
Quant Title :
QLast Update : Mon Jun 23 13:56:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
5) s	AAA-TFT	8.796	278422	18.047 ng/ml
	Target Compounds			
1) t	2-Methylpentane	4.710	608330	23.912 ng/ml
2) t	2,2,4-Trimethylpentane	7.422	739458	27.420 ng/ml
3) t	n-Heptane	7.755	214742	8.606 ng/ml
4) t	Benzene	7.893	289652	8.519 ng/ml
6) t	Toluene	10.625	912293	25.513 ng/ml
7) t	Ethylbenzene	13.061	268888	8.515 ng/ml
8) t	m-Xylene	13.194	562298	17.143 ng/ml
9) t	O-Xylene	13.922	533783	17.198 ng/ml
10) t	1,2,4-Trimethylbenzene	16.197	451098	17.061 ng/ml

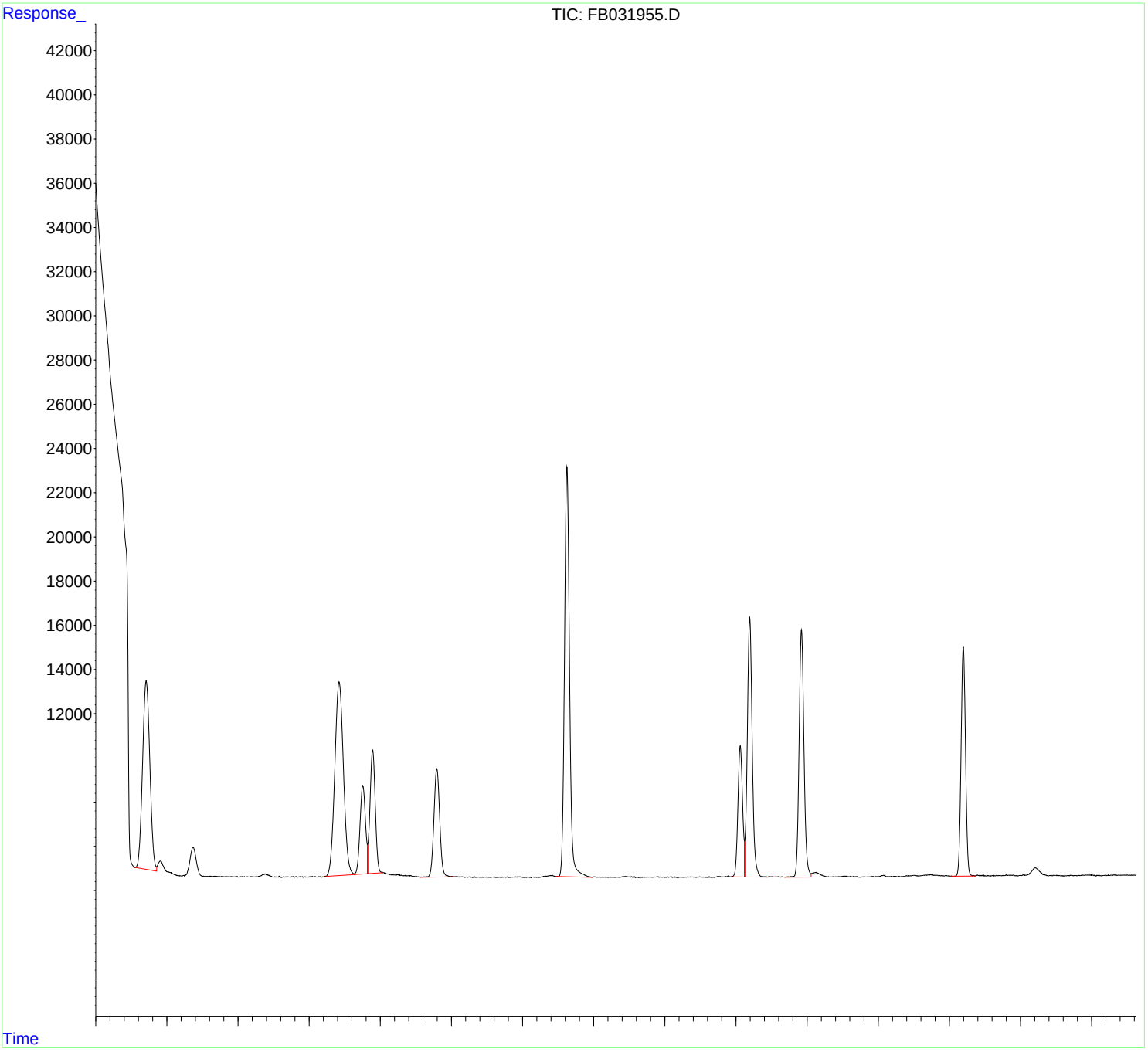
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB062725\
Data File : FB031955.D
Signal(s) : FID2B.CH
Acq On : 27 Jun 2025 15:21
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Jun 28 05:15:41 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



Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB062725\
Data File : FB031955.D
Signal(s) : FID2B.CH
Acq On : 27 Jun 2025 15:21
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: Calibration.e

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

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	% max.	% of total
1	4.710	4.537	4.857	BV	8533	608330	66.68%	12.520%
2	7.422	7.234	7.640	PV	8762	739458	81.05%	15.218%
3	7.755	7.640	7.822	VV	4004	214742	23.54%	4.419%
4	7.893	7.822	8.030	VV	5590	289652	31.75%	5.961%
5	8.796	8.563	9.038	PV	4891	278422	30.52%	5.730%
6	10.625	10.466	10.986	BV	18532	912293	100.00%	18.775%
7	13.061	12.926	13.122	BV	5928	268888	29.47%	5.534%
8	13.194	13.122	13.447	VV	11728	562298	61.64%	11.572%
9	13.922	13.689	14.056	BV	11191	533783	58.51%	10.986%
10	16.197	16.018	16.364	BV	10355	451098	49.45%	9.284%

Sum of corrected areas: 4858965

FB062325.M Sat Jun 28 05:36:41 2025

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GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Chemtech Contract: CAMP02

ProjectID: South River WM Replacement

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG No.: Q2436

DataFile: FB031963.D Analyst Name: YP/AJ Analyst Date: 06-27-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	4575171	25418	29754	14.573

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB062725\
Data File : FB031963.D
Signal(s) : FID2B.CH
Acq On : 27 Jun 2025 19:20
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Jun 28 05:17:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
Quant Title :
QLast Update : Mon Jun 23 13:56:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
5) s	AAA-TFT	8.796	268400	17.397 ng/ml
	Target Compounds			
1) t	2-Methylpentane	4.711	620667	24.397 ng/ml
2) t	2,2,4-Trimethylpentane	7.424	760962	28.217 ng/ml
3) t	n-Heptane	7.756	225691	9.045 ng/ml
4) t	Benzene	7.894	294864	8.673 ng/ml
6) t	Toluene	10.625	894393	25.013 ng/ml
7) t	Ethylbenzene	13.061	263072	8.331 ng/ml
8) t	m-Xylene	13.194	551157	16.804 ng/ml
9) t	O-Xylene	13.921	523666	16.872 ng/ml
10) t	1,2,4-Trimethylbenzene	16.196	440699	16.667 ng/ml

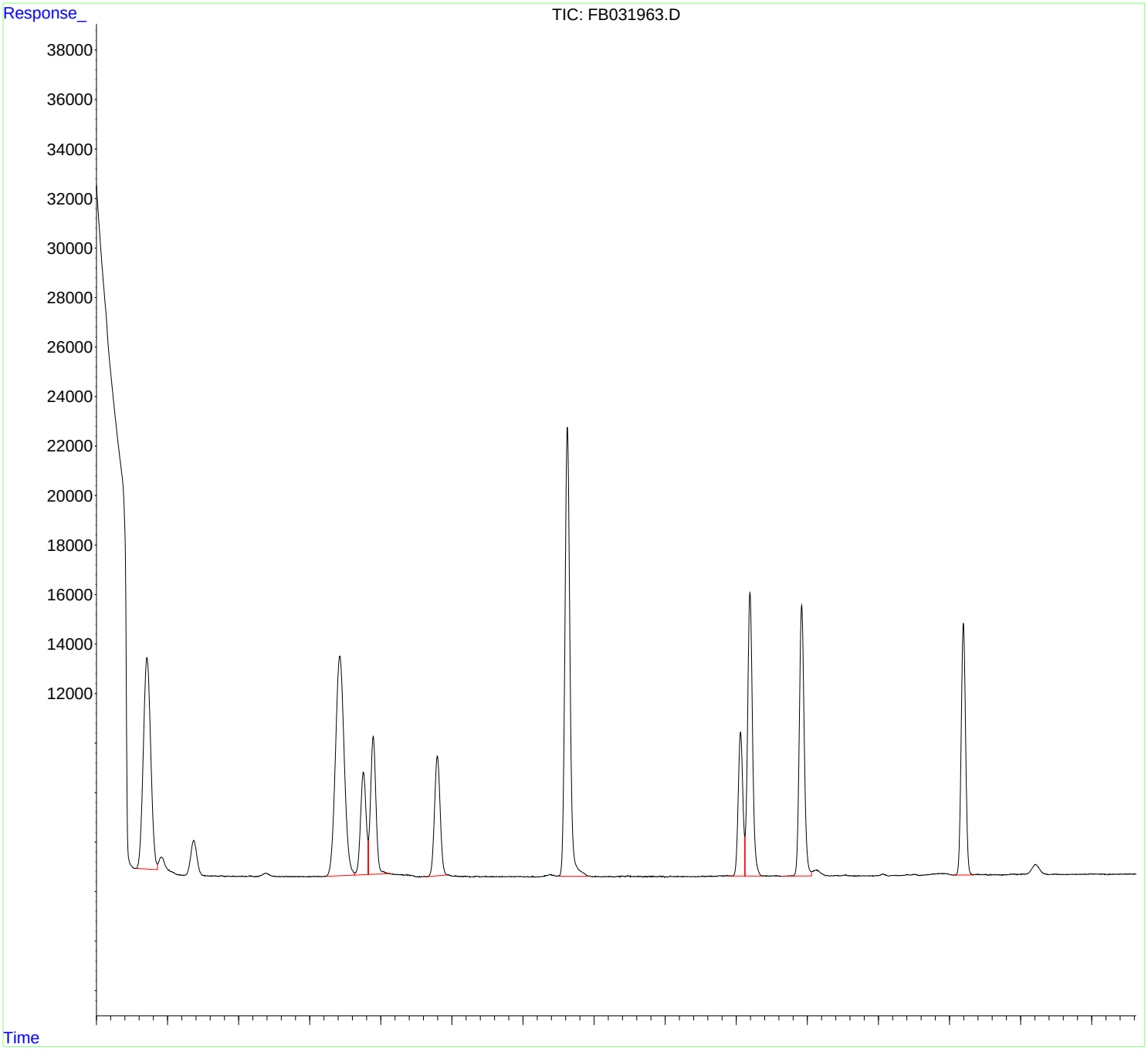
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB062725\
Data File : FB031963.D
Signal(s) : FID2B.CH
Acq On : 27 Jun 2025 19:20
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Jun 28 05:17:04 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



Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB062725\
Data File : FB031963.D
Signal(s) : FID2B.CH
Acq On : 27 Jun 2025 19:20
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 12 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	% max.	% of total
1	4.711	4.551	4.859	BV	8549	620667	69.40%	12.814%
2	7.424	7.237	7.632	VV	8877	760962	85.08%	15.711%
3	7.756	7.632	7.823	VV	4145	225691	25.23%	4.660%
4	7.894	7.823	8.114	VV	5566	294864	32.97%	6.088%
5	8.796	8.634	8.937	BV	4839	268400	30.01%	5.541%
6	10.625	10.489	10.925	PV	18128	894393	100.00%	18.466%
7	13.061	12.893	13.122	BV	5805	263072	29.41%	5.431%
8	13.194	13.122	13.380	VV	11443	551157	61.62%	11.379%
9	13.921	13.639	14.059	BV	10918	523666	58.55%	10.812%
10	16.196	16.049	16.327	BV	10168	440699	49.27%	9.099%

Sum of corrected areas: 4843571

FB062325.M Sat Jun 28 05:37:40 2025

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GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Chemtech Contract: CAMP02

ProjectID: South River WM Replacement

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG No.: Q2436

DataFile: FB031964.D Analyst Name: YP/AJ Analyst Date: 06-30-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	4611565	25620	29754	13.894

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB063025\
Data File : FB031964.D
Signal(s) : FID2B.CH
Acq On : 30 Jun 2025 9:27
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Jul 01 01:06:27 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	8.789	310657	20.136	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.699	627902	24.681	ng/ml
2) t	2,2,4-Trimethylpentane	7.413	731735	27.134	ng/ml
3) t	n-Heptane	7.747	210402	8.433	ng/ml
4) t	Benzene	7.885	268908	7.909	ng/ml
6) t	Toluene	10.619	925316	25.877	ng/ml
7) t	Ethylbenzene	13.057	274429	8.691	ng/ml
8) t	m-Xylene	13.190	568165	17.322	ng/ml
9) t	O-Xylene	13.918	542191	17.469	ng/ml
10) t	1,2,4-Trimethylbenzene	16.193	462517	17.493	ng/ml

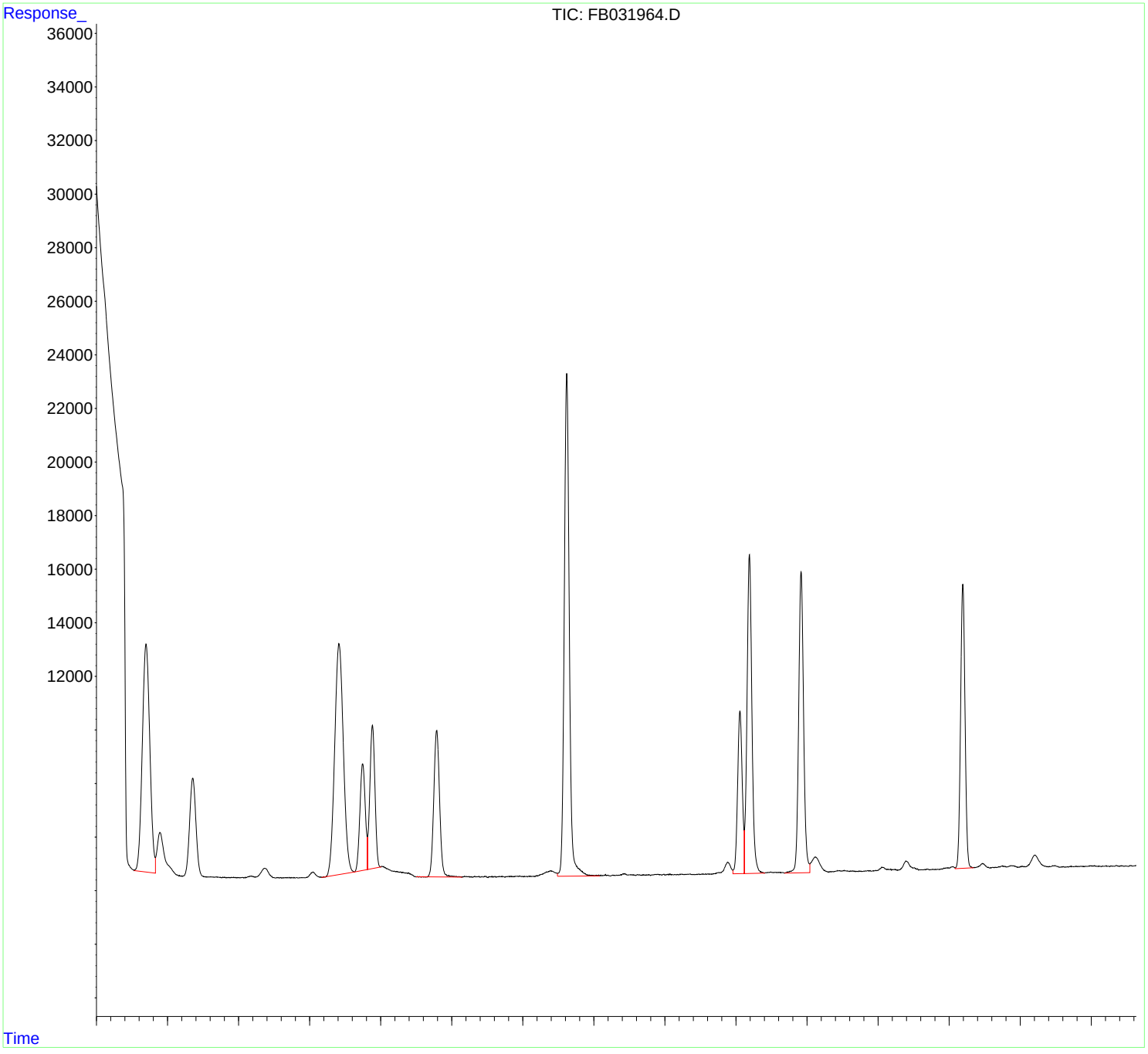
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB063025\
Data File : FB031964.D
Signal(s) : FID2B.CH
Acq On : 30 Jun 2025 9:27
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Jul 01 01:06:27 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



Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB063025\
Data File : FB031964.D
Signal(s) : FID2B.CH
Acq On : 30 Jun 2025 9:27
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: Calibration.e

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

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	% max.	% of total
1	4.699	4.532	4.831	BV	8512	627902	67.86%	12.756%
2	7.413	7.168	7.632	PV	8624	731735	79.08%	14.866%
3	7.747	7.632	7.814	PV	3978	210402	22.74%	4.275%
4	7.885	7.814	8.007	VV	5347	268908	29.06%	5.463%
5	8.789	8.503	9.146	BV	5471	310657	33.57%	6.311%
6	10.619	10.488	11.084	VV	18775	925316	100.00%	18.799%
7	13.057	12.957	13.118	VV	6069	274429	29.66%	5.575%
8	13.190	13.118	13.399	VV	11895	568165	61.40%	11.543%
9	13.918	13.686	14.039	BV	11225	542191	58.60%	11.015%
10	16.193	16.085	16.341	VV	10602	462517	49.98%	9.397%

Sum of corrected areas: 4922222

FB062325.M Tue Jul 01 01:38:24 2025

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GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Chemtech Contract: CAMP02

ProjectID: South River WM Replacement

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG No.: Q2436

DataFile: FB031973.D Analyst Name: YP/AJ Analyst Date: 06-30-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	5074480	28192	29754	5.25

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB063025\
Data File : FB031973.D
Signal(s) : FID2B.CH
Acq On : 30 Jun 2025 13:54
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Jul 01 01:07:35 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	8.802	292652	18.969 ng/ml
	Target Compounds			
1) t	2-Methylpentane	4.716	659151	25.910 ng/ml
2) t	2,2,4-Trimethylpentane	7.432	818548	30.353 ng/ml
3) t	n-Heptane	7.761	246657	9.886 ng/ml
4) t	Benzene	7.899	333653	9.814 ng/ml
6) t	Toluene	10.631	1003464	28.063 ng/ml
7) t	Ethylbenzene	13.066	299688	9.491 ng/ml
8) t	m-Xylene	13.199	623537	19.010 ng/ml
9) t	O-Xylene	13.927	591798	19.067 ng/ml
10) t	1,2,4-Trimethylbenzene	16.202	497984	18.834 ng/ml

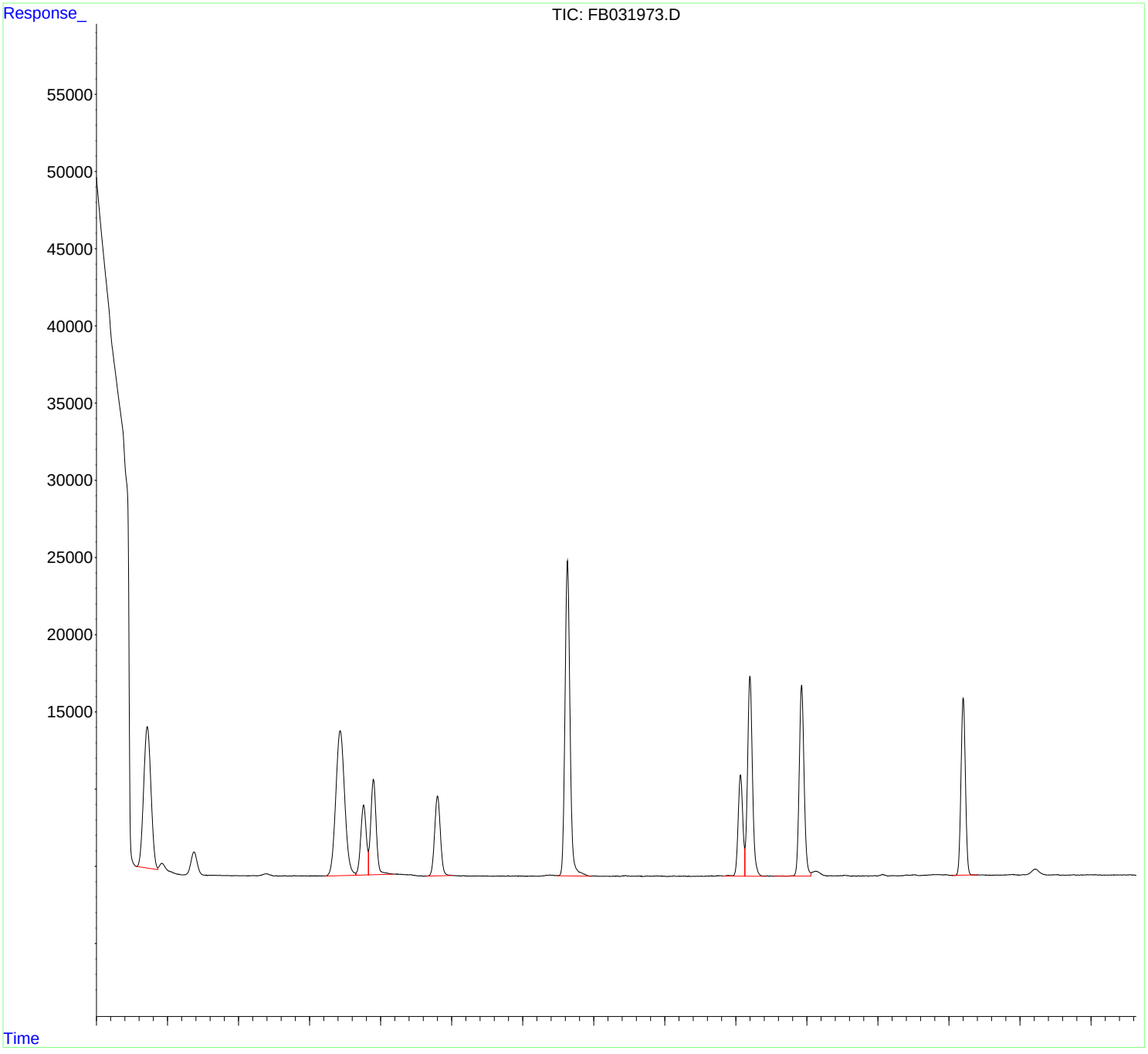
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB063025\
Data File : FB031973.D
Signal(s) : FID2B.CH
Acq On : 30 Jun 2025 13:54
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Jul 01 01:07:35 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



Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB063025\
Data File : FB031973.D
Signal(s) : FID2B.CH
Acq On : 30 Jun 2025 13:54
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: Calibration.e

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

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	% max.	% of total
1	4.716	4.559	4.863	BV	9163	659151	65.69%	12.281%
2	7.432	7.220	7.652	PV	9389	818548	81.57%	15.251%
3	7.761	7.652	7.829	VV	4533	246657	24.58%	4.596%
4	7.899	7.829	8.172	VV	6176	333653	33.25%	6.217%
5	8.802	8.643	9.007	PV	5175	292652	29.16%	5.453%
6	10.631	10.485	10.958	BV	20371	1003464	100.00%	18.696%
7	13.066	12.818	13.127	BV	6559	299688	29.87%	5.584%
8	13.199	13.127	13.424	VV	12948	623537	62.14%	11.618%
9	13.927	13.538	14.058	BV	12359	591798	58.98%	11.026%
10	16.202	16.043	16.401	BBA	11458	497984	49.63%	9.278%

Sum of corrected areas: 5367133

FB062325.M Tue Jul 01 01:40:53 2025

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GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Chemtech Contract: CAMP02

ProjectID: South River WM Replacement

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG No.: Q2436

DataFile: FB031984.D Analyst Name: YP/AJ Analyst Date: 06-30-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	5073667	28187	29754	5.267

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB063025\
Data File : FB031984.D
Signal(s) : FID2B.CH
Acq On : 30 Jun 2025 19:18
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Jul 01 01:08:50 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	8.805	303080	19.645 ng/ml
	Target Compounds			
1) t	2-Methylpentane	4.721	678615	26.675 ng/ml
2) t	2,2,4-Trimethylpentane	7.436	830995	30.814 ng/ml
3) t	n-Heptane	7.764	249066	9.982 ng/ml
4) t	Benzene	7.903	326596	9.606 ng/ml
6) t	Toluene	10.634	1001112	27.997 ng/ml
7) t	Ethylbenzene	13.069	295292	9.351 ng/ml
8) t	m-Xylene	13.203	616562	18.798 ng/ml
9) t	O-Xylene	13.930	585945	18.879 ng/ml
10) t	1,2,4-Trimethylbenzene	16.205	489484	18.513 ng/ml

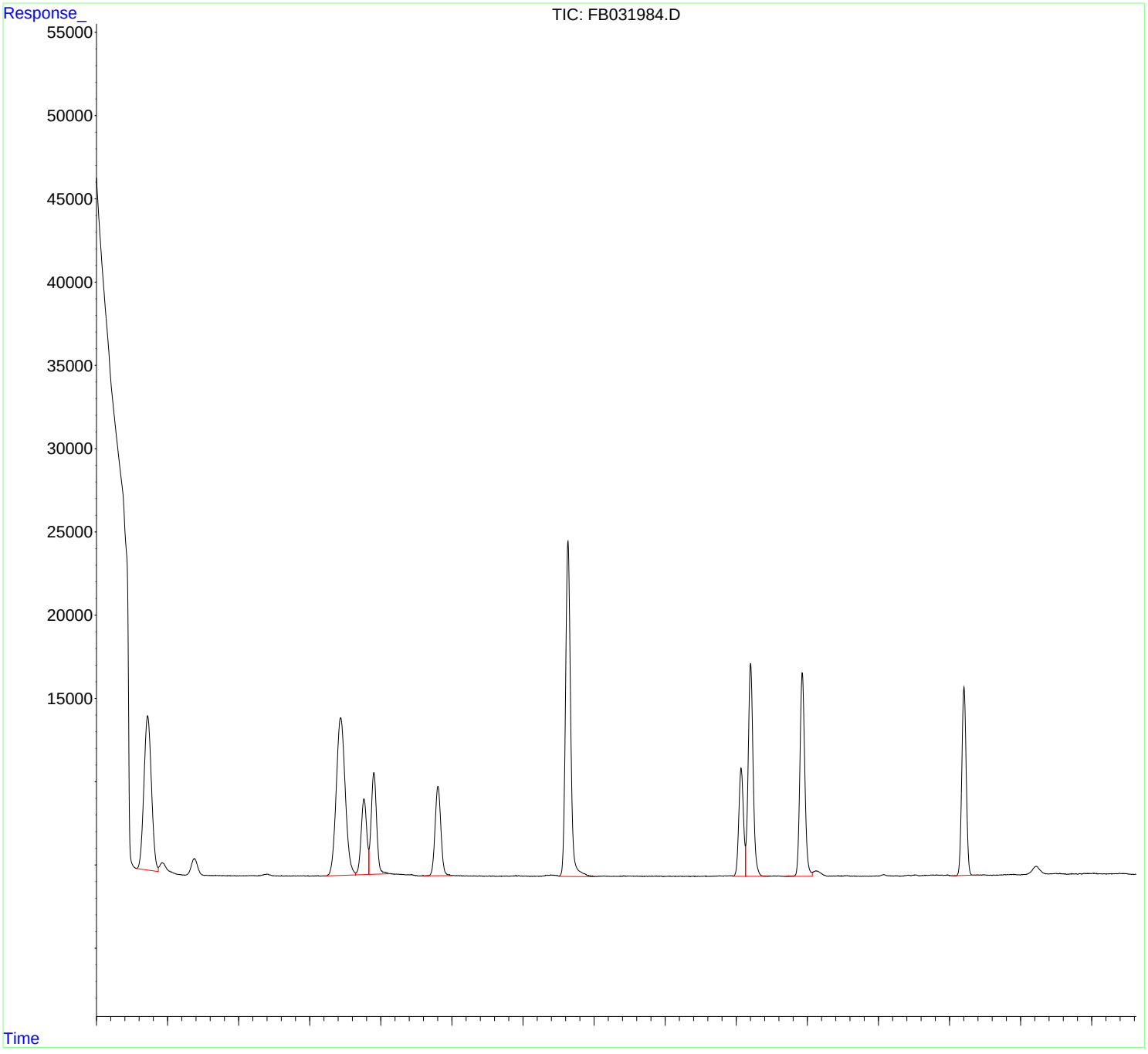
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB063025\
Data File : FB031984.D
Signal(s) : FID2B.CH
Acq On : 30 Jun 2025 19:18
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Jul 01 01:08:50 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



Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB063025\
Data File : FB031984.D
Signal(s) : FID2B.CH
Acq On : 30 Jun 2025 19:18
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 19 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	% max.	% of total
1	4.721	4.559	4.870	BV	9268	678615	67.79%	12.621%
2	7.436	7.223	7.645	BV	9470	830995	83.01%	15.455%
3	7.764	7.645	7.832	VV	4548	249066	24.88%	4.632%
4	7.903	7.832	8.122	VV	6109	326596	32.62%	6.074%
5	8.805	8.590	9.003	BV	5372	303080	30.27%	5.637%
6	10.634	10.502	11.008	VV	20122	1001112	100.00%	18.619%
7	13.069	12.954	13.131	VV	6498	295292	29.50%	5.492%
8	13.203	13.131	13.447	VV	12782	616562	61.59%	11.467%
9	13.930	13.678	14.070	BV	12223	585945	58.53%	10.898%
10	16.205	16.035	16.401	BBA	11295	489484	48.89%	9.104%

Sum of corrected areas: 5376748

FB062325.M Tue Jul 01 01:41:46 2025

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Analytical Sequence

Client: CDM Smith **SDG No.:** Q2436

Project: South River WM Replacement **Instrument ID:** FID_B

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

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SUROGATE RT FROM INITIAL CALIBRATION **8.798**

EPA SAMPLE NO.	LAB SAMPLE ID	DATE AND TIME ANALYZED	DATAFILE	RT	#
20 PPB GRO STD	20 PPB GRO STD	27 Jun 2025 9:38	FB031945.D	8.792	
VBF0627S1	VBF0627S1	27 Jun 2025 10:24	FB031946.D	8.795	
BSF0627S1	BSF0627S1	27 Jun 2025 11:19	FB031948.D	8.795	
TP-70	Q2436-01	27 Jun 2025 12:20	FB031949.D	8.624	*
TP-85	Q2436-03	27 Jun 2025 13:14	FB031951.D	8.663	*
TP-84	Q2436-05	27 Jun 2025 14:09	FB031953.D	8.796	
20 PPB GRO STD	20 PPB GRO STD	27 Jun 2025 15:21	FB031955.D	8.796	
TP-83	Q2436-06	27 Jun 2025 16:06	FB031956.D	8.629	*
TP-100	Q2436-08	27 Jun 2025 17:01	FB031958.D	8.624	*
TP-99	Q2436-09	27 Jun 2025 17:29	FB031959.D	8.637	*
TP-69	Q2436-02	27 Jun 2025 18:25	FB031961.D	8.796	
BSF0627S3	BSF0627S3	27 Jun 2025 18:53	FB031962.D	8.796	
20 PPB GRO STD	20 PPB GRO STD	27 Jun 2025 19:20	FB031963.D	8.796	
20 PPB GRO STD	20 PPB GRO STD	30 Jun 2025 9:27	FB031964.D	8.789	
VBF0630S1	VBF0630S1	30 Jun 2025 10:12	FB031965.D	8.796	
VBF0630S2	VBF0630S2	30 Jun 2025 10:40	FB031966.D	8.798	
BSF0630S1	BSF0630S1	30 Jun 2025 11:08	FB031967.D	8.798	
TP-87	Q2436-07	30 Jun 2025 12:04	FB031969.D	8.572	*
TP-82	Q2436-10	30 Jun 2025 12:31	FB031970.D	8.546	*
TP-86	Q2436-04	30 Jun 2025 12:59	FB031971.D	8.523	*
20 PPB GRO STD	20 PPB GRO STD	30 Jun 2025 13:54	FB031973.D	8.802	

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

QC Limits	Lower Limit	Upper Limits
(± 0.10 minutes)	8.698	8.898

QC SAMPLE DATA

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VBF0627S1	SDG No.:	Q2436
Lab Sample ID:	VBF0627S1	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	100 Decanted:
Sample Wt/Vol:	5 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031946.D	1	06/27/25 10:24	FB062725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	8.00	U	8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	15.2		50 - 150	76%	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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB062725\
Data File : FB031946.D
Signal(s) : FID2B.CH
Acq On : 27 Jun 2025 10:24
Operator : YP/AJ
Sample : VBF0627S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0627S1

Integration File: Calibration.e
Quant Time: Jun 28 05:14:15 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	8.795	235068	15.237 ng/ml
	Target Compounds			

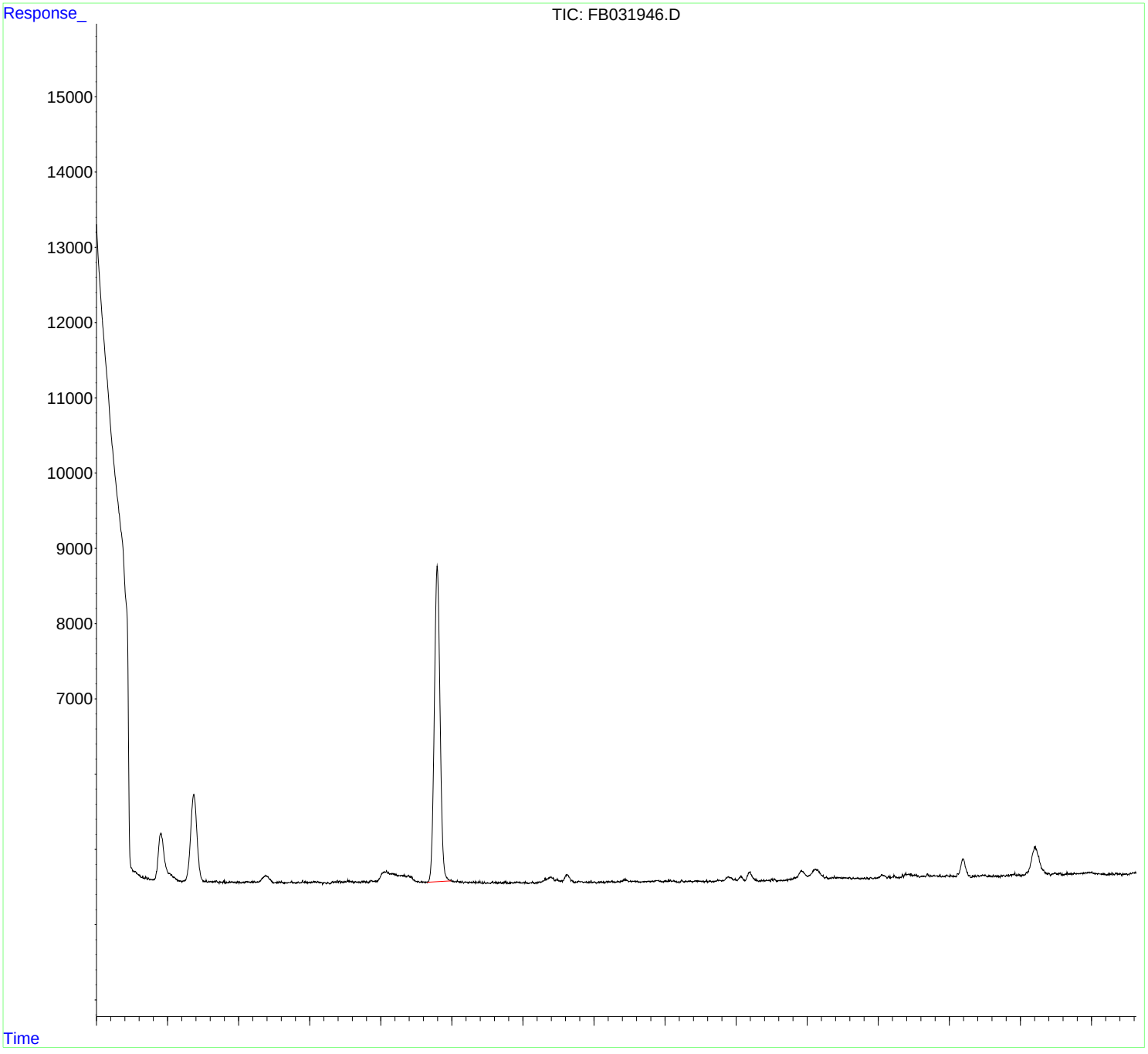
(f)=RT Delta > 1/2 Window (m)=manual int.

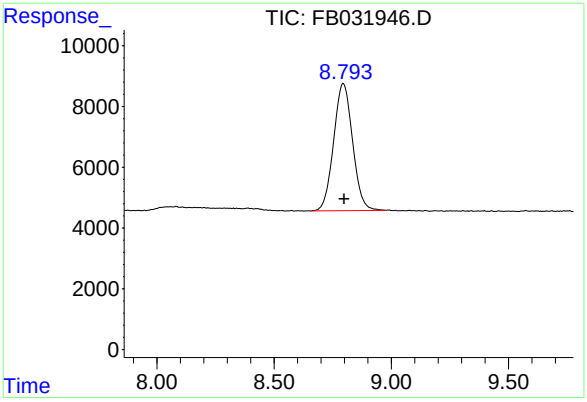
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB062725\
Data File : FB031946.D
Signal(s) : FID2B.CH
Acq On : 27 Jun 2025 10:24
Operator : YP/AJ
Sample : VBF0627S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0627S1

Integration File: Calibration.e
Quant Time: Jun 28 05:14:15 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.:	8.795 min
Delta R.T.:	-0.003 min
Response:	235068
Conc:	15.24 ng/ml

Instrument :
FID_B
ClientSampleId :
VBF0627S1

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB062725\
Data File : FB031946.D
Signal(s) : FID2B.CH
Acq On : 27 Jun 2025 10:24
Sample : VBF0627S1
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	% max.	% of total
1	8.795	8.659	8.979	BV	4189	235068	100.00%	100.000%

Sum of corrected areas: 235068

FB062325.M Sat Jun 28 05:35:03 2025

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VBF0630S1	SDG No.:	Q2436
Lab Sample ID:	VBF0630S1	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	100 Decanted:
Sample Wt/Vol:	5 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031965.D	1	06/30/25 10:12	FB063025

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	16.0		50 - 150	80%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
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J = Estimated Value
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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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB063025\
Data File : FB031965.D
Signal(s) : FID2B.CH
Acq On : 30 Jun 2025 10:12
Operator : YP/AJ
Sample : VBF0630S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0630S1

Integration File: Calibration.e
Quant Time: Jul 01 01:06:42 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	8.796	247413	16.037 ng/ml
Target Compounds			

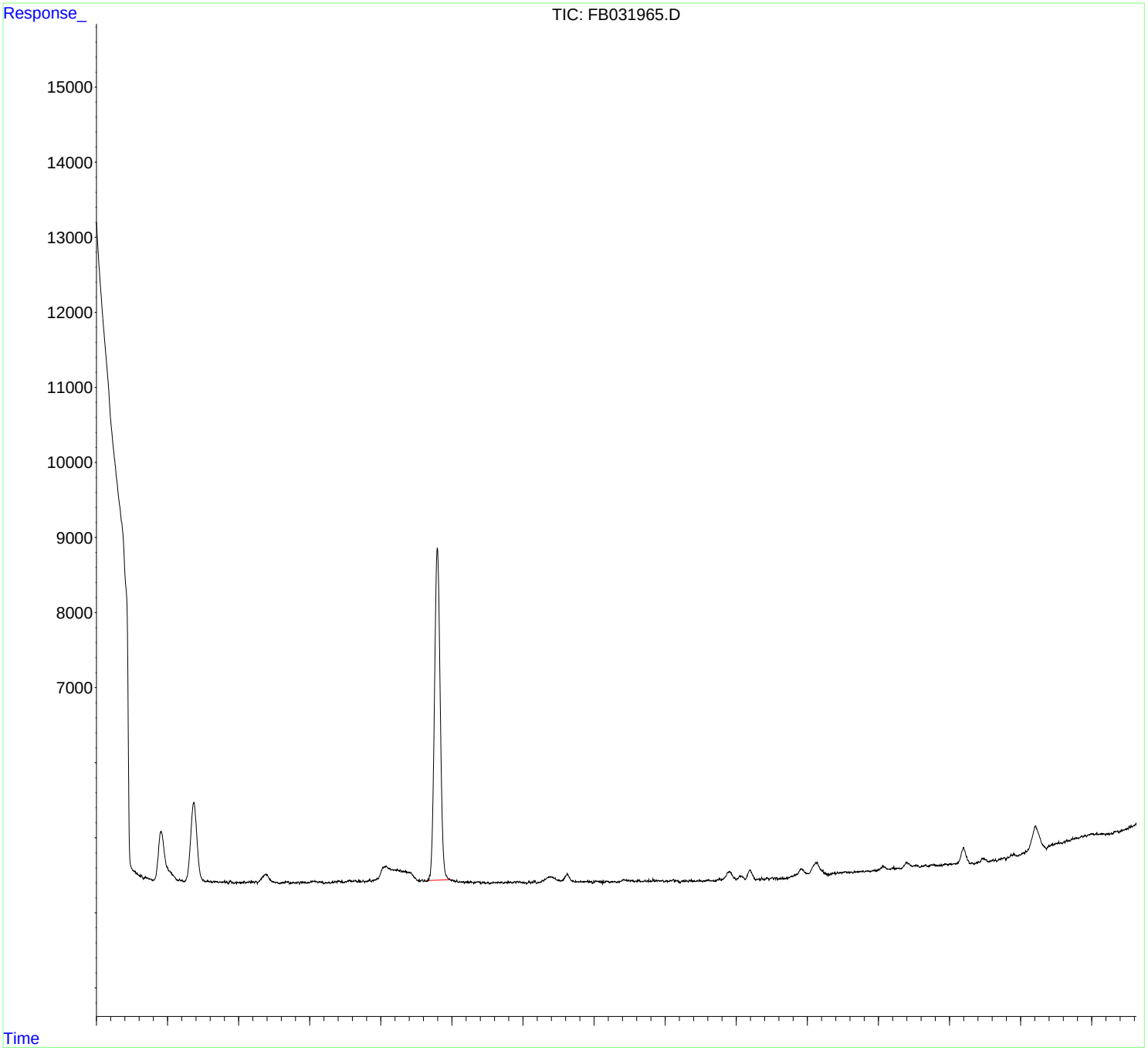
(f)=RT Delta > 1/2 Window (m)=manual int.

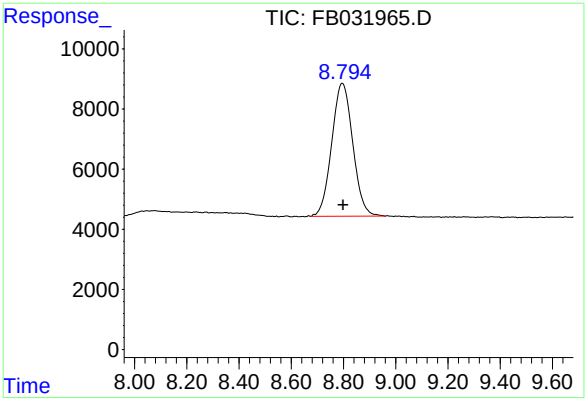
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB063025\
Data File : FB031965.D
Signal(s) : FID2B.CH
Acq On : 30 Jun 2025 10:12
Operator : YP/AJ
Sample : VBF0630S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0630S1

Integration File: Calibration.e
Quant Time: Jul 01 01:06:42 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.:	8.796 min
Delta R.T.:	-0.002 min
Response:	247413
Conc:	16.04 ng/ml

Instrument :
FID_B
ClientSampleId :
VBF0630S1

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB063025\
Data File : FB031965.D
Signal(s) : FID2B.CH
Acq On : 30 Jun 2025 10:12
Sample : VBF0630S1
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	% max.	% of total
1	8.796	8.676	8.963	VV	4422	247413	100.00%	100.000%

Sum of corrected areas: 247413

FB062325.M Tue Jul 01 01:38:51 2025

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VBF0630S2	SDG No.:	Q2436
Lab Sample ID:	VBF0630S2	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	100 Decanted:
Sample Wt/Vol:	5 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031966.D	50	06/30/25 10:40	FB063025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	413	U	413	2250	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	17.1		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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB063025\
Data File : FB031966.D
Signal(s) : FID2B.CH
Acq On : 30 Jun 2025 10:40
Operator : YP/AJ
Sample : VBF0630S2 50X
Misc : 5.00G/5.00 ML MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0630S2

Integration File: Calibration.e
Quant Time: Jul 01 01:06:48 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	263210	17.061 ng/ml
Target Compounds			

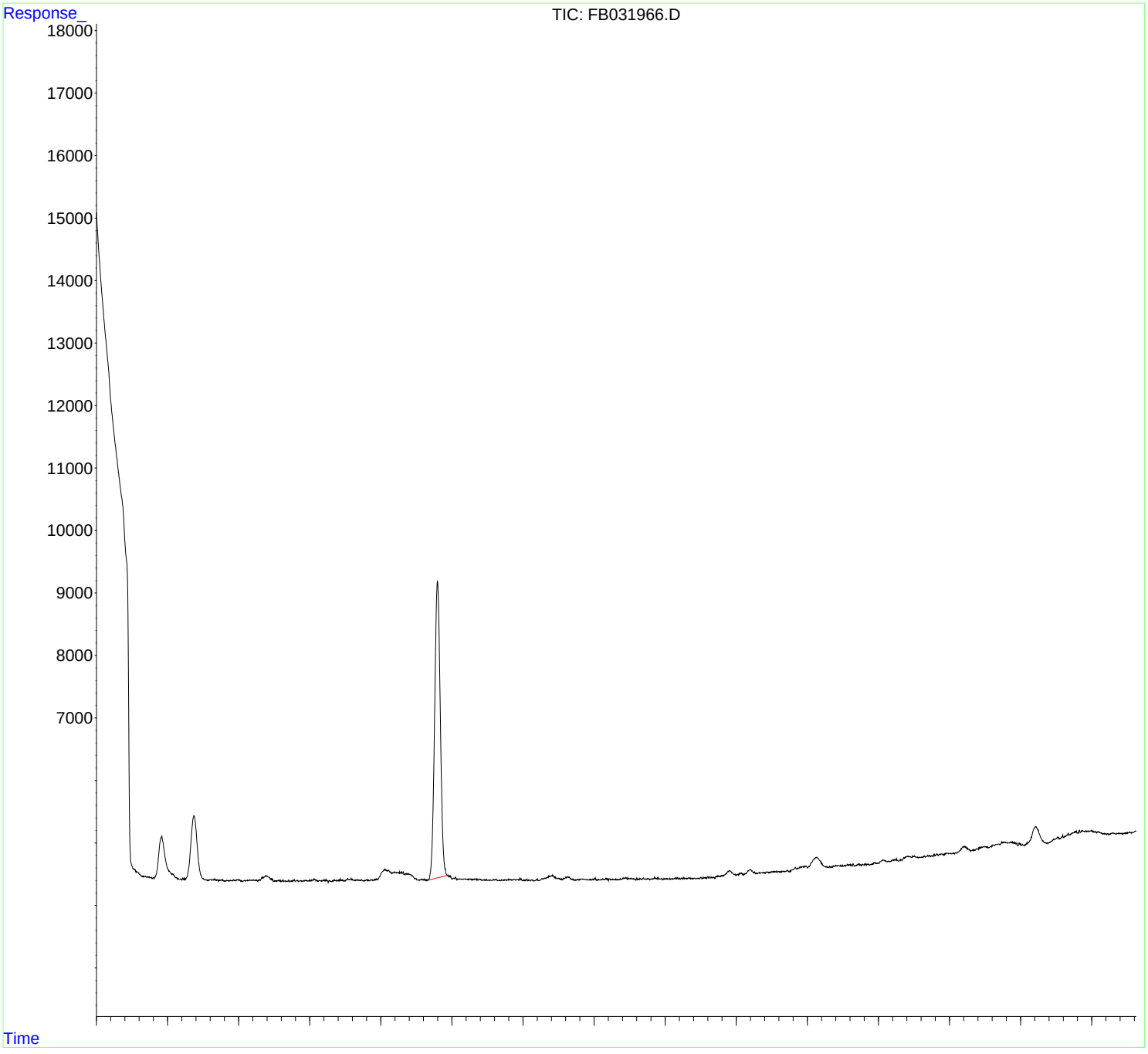
(f)=RT Delta > 1/2 Window (m)=manual int.

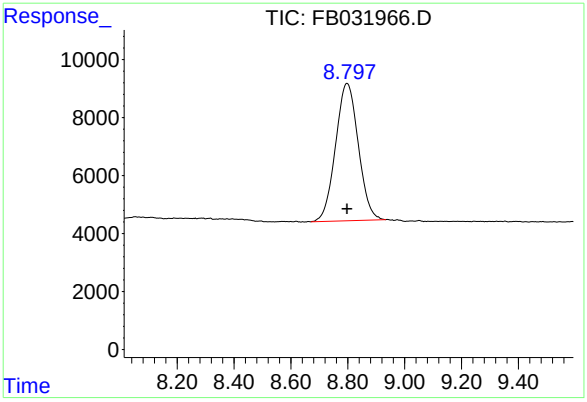
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB063025\
Data File : FB031966.D
Signal(s) : FID2B.CH
Acq On : 30 Jun 2025 10:40
Operator : YP/AJ
Sample : VBF0630S2 50X
Misc : 5.00G/5.00 ML MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0630S2

Integration File: Calibration.e
Quant Time: Jul 01 01:06:48 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:	263210
Conc:	17.06 ng/ml

Instrument :
FID_B
ClientSampleId :
VBF0630S2

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB063025\
Data File : FB031966.D
Signal(s) : FID2B.CH
Acq On : 30 Jun 2025 10:40
Sample : VBF0630S2 50X
Misc : 5.00G/5.00 ML MEOH
ALS Vial : 3 Sample Multiplier: 1

Integration File: Calibration.e

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

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	% max.	% of total
1	8.798	8.670	8.934	PV	4740	263210	100.00%	100.000%

Sum of corrected areas: 263210

FB062325.M Tue Jul 01 01:39:11 2025

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	BSF0627S1	SDG No.:	Q2436
Lab Sample ID:	BSF0627S1	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	100 Decanted:
Sample Wt/Vol:	5 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031948.D	1	06/27/25 11:19	FB062725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	154		8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	16.8		50 - 150	84%	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
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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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB062725\
Data File : FB031948.D
Signal(s) : FID2B.CH
Acq On : 27 Jun 2025 11:19
Operator : YP/AJ
Sample : BSF0627S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0627S1

Integration File: Calibration.e
Quant Time: Jun 28 05:14:35 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	8.795	258901	16.781 ng/ml
	Target Compounds			
1) t	2-Methylpentane	4.708	610924	24.014 ng/ml
2) t	2,2,4-Trimethylpentane	7.420	759296	28.156 ng/ml
3) t	n-Heptane	7.754	223235	8.947 ng/ml
4) t	Benzene	7.892	302492	8.897 ng/ml
6) t	Toluene	10.623	903191	25.259 ng/ml
7) t	Ethylbenzene	13.060	264115	8.364 ng/ml
8) t	m-Xylene	13.193	551132	16.803 ng/ml
9) t	O-Xylene	13.920	522882	16.847 ng/ml
10) t	1,2,4-Trimethylbenzene	16.195	438278	16.576 ng/ml

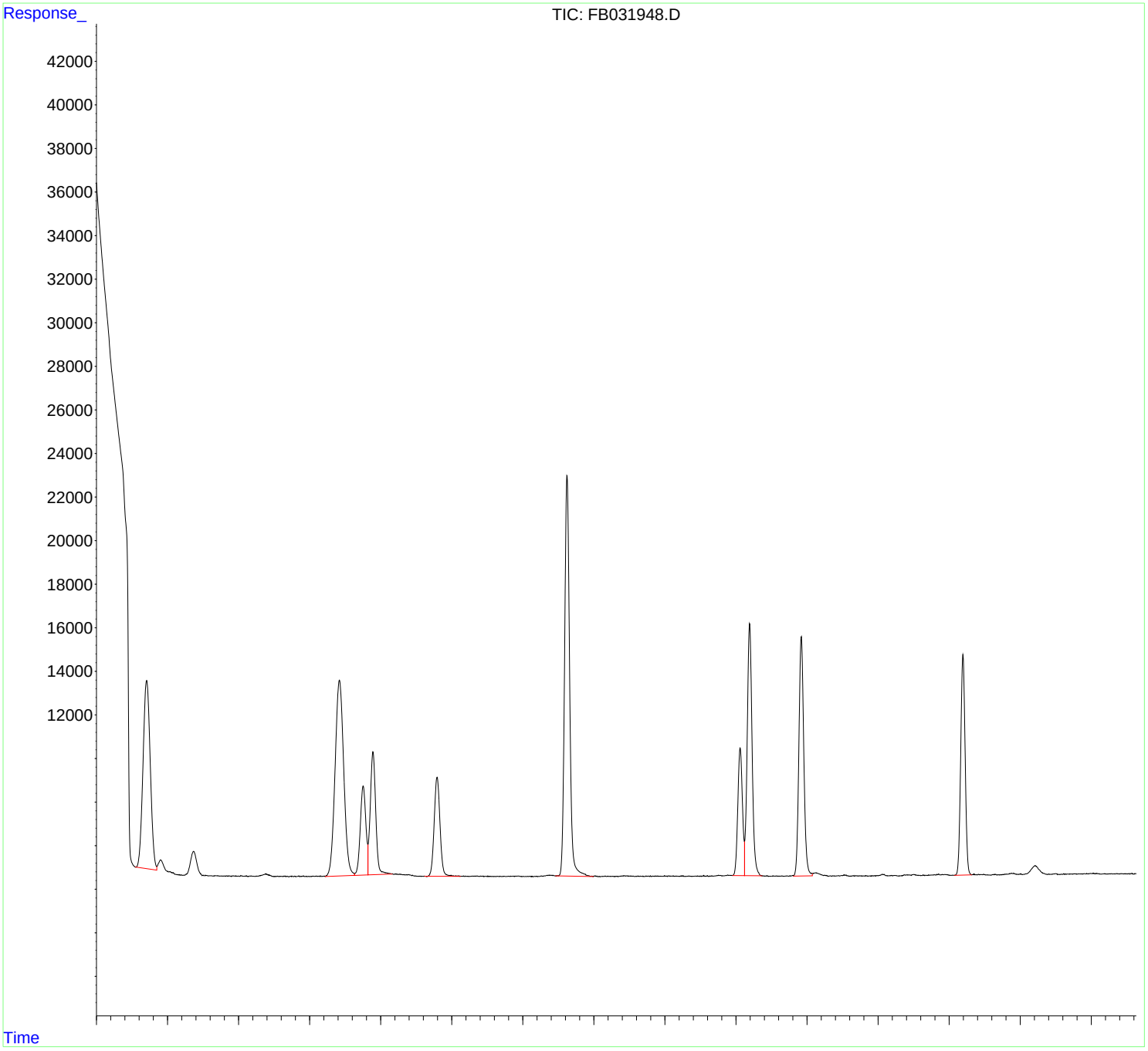
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB062725\
Data File : FB031948.D
Signal(s) : FID2B.CH
Acq On : 27 Jun 2025 11:19
Operator : YP/AJ
Sample : BSF0627S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0627S1

Integration File: Calibration.e
Quant Time: Jun 28 05:14:35 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



Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB062725\
Data File : FB031948.D
Signal(s) : FID2B.CH
Acq On : 27 Jun 2025 11:19
Sample : BSF0627S1
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	% max.	% of total
1	4.708	4.548	4.849	BV	8639	610924	67.64%	12.637%
2	7.420	7.219	7.633	PV	8988	759296	84.07%	15.706%
3	7.754	7.633	7.821	VV	4088	223235	24.72%	4.618%
4	7.892	7.821	8.156	VV	5642	302492	33.49%	6.257%
5	8.795	8.618	9.116	BV	4548	258901	28.67%	5.355%
6	10.623	10.457	10.997	BV	18372	903191	100.00%	18.682%
7	13.060	12.951	13.121	BV	5861	264115	29.24%	5.463%
8	13.193	13.121	13.361	VV	11563	551132	61.02%	11.400%
9	13.920	13.807	14.076	VV	10979	522882	57.89%	10.816%
10	16.195	16.074	16.318	BV	10114	438278	48.53%	9.066%

Sum of corrected areas: 4834445

FB062325.M Sat Jun 28 05:35:45 2025

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	BSF0630S1	SDG No.:	Q2436
Lab Sample ID:	BSF0630S1	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	100 Decanted:
Sample Wt/Vol:	5 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031967.D	1	06/30/25 11:08	FB063025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	168		8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	17.2		50 - 150	86%	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
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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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB063025\
Data File : FB031967.D
Signal(s) : FID2B.CH
Acq On : 30 Jun 2025 11:08
Operator : YP/AJ
Sample : BSF0630S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0630S1

Integration File: Calibration.e
Quant Time: Jul 01 01:06:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
Quant Title :
QLast Update : Mon Jun 23 13:56:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
5) s	AAA-TFT	8.798	265449	17.206 ng/ml
	Target Compounds			
1) t	2-Methylpentane	4.714	685141	26.931 ng/ml
2) t	2,2,4-Trimethylpentane	7.427	825220	30.600 ng/ml
3) t	n-Heptane	7.758	253200	10.148 ng/ml
4) t	Benzene	7.896	319040	9.384 ng/ml
6) t	Toluene	10.627	974228	27.245 ng/ml
7) t	Ethylbenzene	13.063	287865	9.116 ng/ml
8) t	m-Xylene	13.197	601942	18.352 ng/ml
9) t	O-Xylene	13.924	571481	18.413 ng/ml
10) t	1,2,4-Trimethylbenzene	16.199	478553	18.099 ng/ml

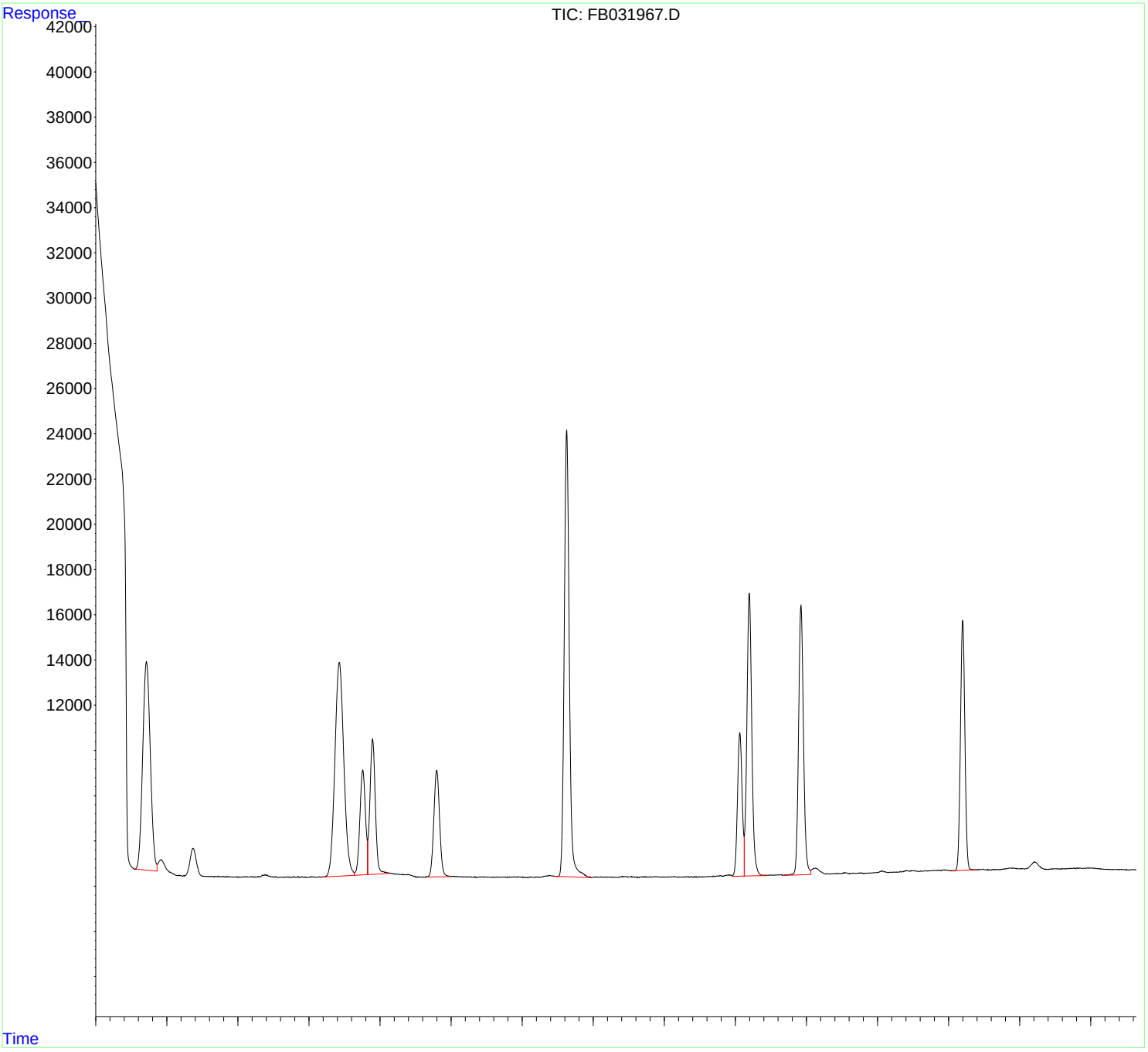
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB063025\
Data File : FB031967.D
Signal(s) : FID2B.CH
Acq On : 30 Jun 2025 11:08
Operator : YP/AJ
Sample : BSF0630S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0630S1

Integration File: Calibration.e
Quant Time: Jul 01 01:06:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
Quant Title :
QLast Update : Mon Jun 23 13:56:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB063025\
Data File : FB031967.D
Signal(s) : FID2B.CH
Acq On : 30 Jun 2025 11:08
Sample : BSF0630S1
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	% max.	% of total
1	4.714	4.543	4.863	BV	9218	685141	70.33%	13.020%
2	7.427	7.204	7.637	BV	9453	825220	84.70%	15.682%
3	7.758	7.637	7.826	VV	4633	253200	25.99%	4.812%
4	7.896	7.826	8.139	VV	5990	319040	32.75%	6.063%
5	8.798	8.662	9.002	PV	4705	265449	27.25%	5.045%
6	10.627	10.446	10.981	BV	19714	974228	100.00%	18.514%
7	13.063	12.956	13.124	VV	6337	287865	29.55%	5.471%
8	13.197	13.124	13.419	VB	12497	601942	61.79%	11.439%
9	13.924	13.669	14.062	PV	11900	571481	58.66%	10.860%
10	16.199	16.038	16.401	BBA	11022	478553	49.12%	9.094%

Sum of corrected areas: 5262119

FB062325.M Tue Jul 01 01:39:35 2025

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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	BSF0627S3	SDG No.:	Q2436
Lab Sample ID:	BSF0627S3	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	100 Decanted:
Sample Wt/Vol:	5 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031962.D	1	06/27/25 18:53	FB062725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	156		8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	17.6		50 - 150	88%	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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB062725\
Data File : FB031962.D
Signal(s) : FID2B.CH
Acq On : 27 Jun 2025 18:53
Operator : YP/AJ
Sample : BSF0627S3
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0627S3

Integration File: Calibration.e
Quant Time: Jun 28 05:16:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
Quant Title :
QLast Update : Mon Jun 23 13:56:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
5) s	AAA-TFT	8.796	271332	17.587 ng/ml
	Target Compounds			
1) t	2-Methylpentane	4.711	630925	24.800 ng/ml
2) t	2,2,4-Trimethylpentane	7.423	771080	28.593 ng/ml
3) t	n-Heptane	7.756	230820	9.251 ng/ml
4) t	Benzene	7.894	306690	9.020 ng/ml
6) t	Toluene	10.625	918958	25.700 ng/ml
7) t	Ethylbenzene	13.061	266043	8.425 ng/ml
8) t	m-Xylene	13.194	557937	17.010 ng/ml
9) t	O-Xylene	13.921	530388	17.089 ng/ml
10) t	1,2,4-Trimethylbenzene	16.197	441432	16.695 ng/ml

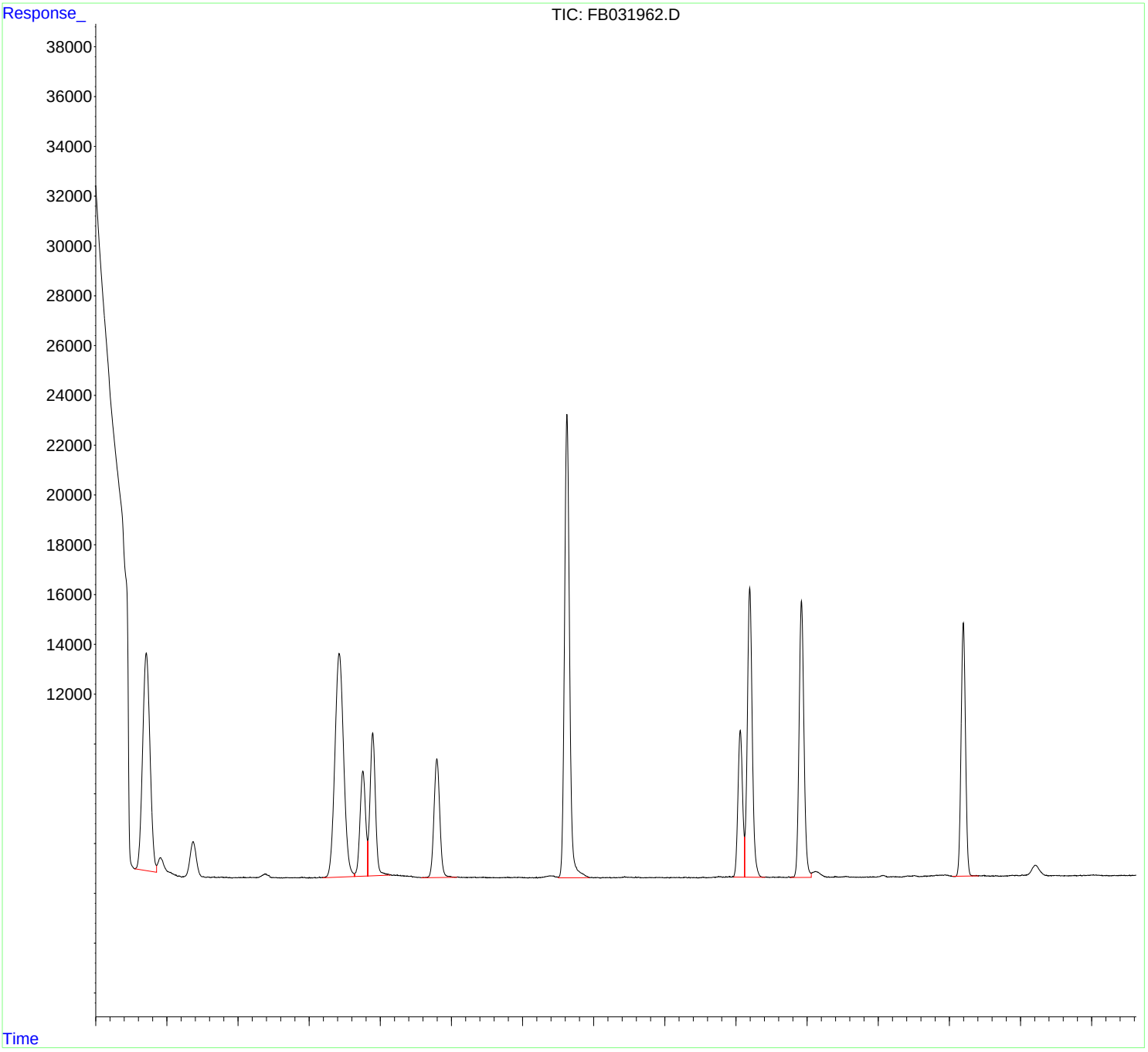
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB062725\
Data File : FB031962.D
Signal(s) : FID2B.CH
Acq On : 27 Jun 2025 18:53
Operator : YP/AJ
Sample : BSF0627S3
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0627S3

Integration File: Calibration.e
Quant Time: Jun 28 05:16:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
Quant Title :
QLast Update : Mon Jun 23 13:56:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB062725\
Data File : FB031962.D
Signal(s) : FID2B.CH
Acq On : 27 Jun 2025 18:53
Sample : BSF0627S3
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	% max.	% of total
1	4.711	4.548	4.855	BV	8740	630925	68.66%	12.809%
2	7.423	7.190	7.638	PV	8981	771080	83.91%	15.655%
3	7.756	7.638	7.824	VV	4225	230820	25.12%	4.686%
4	7.894	7.824	8.139	VV	5735	306690	33.37%	6.226%
5	8.796	8.579	9.068	BV	4765	271332	29.53%	5.509%
6	10.625	10.499	10.939	VV	18598	918958	100.00%	18.657%
7	13.061	12.964	13.122	PV	5888	266043	28.95%	5.401%
8	13.194	13.122	13.402	VV	11612	557937	60.71%	11.327%
9	13.921	13.767	14.059	VV	11096	530388	57.72%	10.768%
10	16.197	16.043	16.401	BBA	10162	441432	48.04%	8.962%

Sum of corrected areas: 4925606

FB062325.M Sat Jun 28 05:37:13 2025

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Manual Integration Report

Sample ID	ClientId ID	File ID	Sequence ID	Parameter	Supervised By	Supervised On	Reason
20 PPB GRO STD		FB031945.D	FB062725	1,2,4-Trimethylbenzene	mohammad	6/30/2025 9:33:14 AM	Peak Integrated by Software incorrectly

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Manual Integration Report

Sample ID	ClientId ID	File ID	Sequence ID	Parameter	Supervised By	Supervised On	Reason
Q2458-06		FB031979.D	FB063025	AAA-TFT	mohammad	7/1/2025 8:55:46 AM	Peak Integrated by Software incorrectly

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Fax : 908 789 8922

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QCBatch 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	PP24111,PP24662
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

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

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

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QCBatch ID # FB062725

Review By	yogesh	Review On	6/27/2025 2:47:30 PM		
Supervise By	mohammad	Supervise On	6/30/2025 9:33:15 AM		
SubDirectory	FB062725	HP Acquire Method		HP Processing Method	FB062325

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24656,PP24658,PP24659,PP24660,PP24661
CCC	PP24670,PP24671,PP24672
Internal Standard/PEM	
ICV/I.BLK	PP24111,PP24662
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	20 PPB GRO STD	FB031945.D	27 Jun 2025 9:38	YP/AJ	Ok,M
2	VBF0627S1	FB031946.D	27 Jun 2025 10:24	YP/AJ	Ok
3	VBF0627S2	FB031947.D	27 Jun 2025 10:51	YP/AJ	Ok
4	BSF0627S1	FB031948.D	27 Jun 2025 11:19	YP/AJ	Ok
5	Q2436-01	FB031949.D	27 Jun 2025 12:20	YP/AJ	Ok
6	Q2436-02	FB031950.D	27 Jun 2025 12:47	YP/AJ	Not Ok
7	Q2436-03	FB031951.D	27 Jun 2025 13:14	YP/AJ	Ok
8	Q2436-04	FB031952.D	27 Jun 2025 13:42	YP/AJ	ReRun
9	Q2436-05	FB031953.D	27 Jun 2025 14:09	YP/AJ	Ok
10	BSF0627S2	FB031954.D	27 Jun 2025 14:36	YP/AJ	Ok
11	20 PPB GRO STD	FB031955.D	27 Jun 2025 15:21	YP/AJ	Ok
12	Q2436-06	FB031956.D	27 Jun 2025 16:06	YP/AJ	Ok
13	Q2436-07	FB031957.D	27 Jun 2025 16:34	YP/AJ	Not Ok
14	Q2436-08	FB031958.D	27 Jun 2025 17:01	YP/AJ	Ok
15	Q2436-09	FB031959.D	27 Jun 2025 17:29	YP/AJ	Ok
16	Q2436-10	FB031960.D	27 Jun 2025 17:57	YP/AJ	Not Ok
17	Q2436-02	FB031961.D	27 Jun 2025 18:25	YP/AJ	Ok
18	BSF0627S3	FB031962.D	27 Jun 2025 18:53	YP/AJ	Ok
19	20 PPB GRO STD	FB031963.D	27 Jun 2025 19:20	YP/AJ	Ok

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QCBatch ID # FB063025

Review By	yogesh	Review On	6/30/2025 1:41:36 PM		
Supervise By	mohammad	Supervise On	7/1/2025 8:55:46 AM		
SubDirectory	FB063025	HP Acquire Method		HP Processing Method	FB062325

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24656,PP24658,PP24659,PP24660,PP24661
CCC	PP24674,PP24675,PP24676
Internal Standard/PEM	
ICV/I.BLK	PP24111,PP24662
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	20 PPB GRO STD	FB031964.D	30 Jun 2025 9:27	YP/AJ	Ok
2	VBF0630S1	FB031965.D	30 Jun 2025 10:12	YP/AJ	Ok
3	VBF0630S2	FB031966.D	30 Jun 2025 10:40	YP/AJ	Ok
4	BSF0630S1	FB031967.D	30 Jun 2025 11:08	YP/AJ	Ok
5	Q2436-04	FB031968.D	30 Jun 2025 11:36	YP/AJ	Not Ok
6	Q2436-07	FB031969.D	30 Jun 2025 12:04	YP/AJ	Ok
7	Q2436-10	FB031970.D	30 Jun 2025 12:31	YP/AJ	Ok
8	Q2436-04	FB031971.D	30 Jun 2025 12:59	YP/AJ	Ok
9	BSF0630S2	FB031972.D	30 Jun 2025 13:26	YP/AJ	Ok
10	20 PPB GRO STD	FB031973.D	30 Jun 2025 13:54	YP/AJ	Ok
11	Q2458-01	FB031974.D	30 Jun 2025 14:40	YP/AJ	Ok
12	Q2458-02	FB031975.D	30 Jun 2025 15:08	YP/AJ	Ok
13	Q2458-03	FB031976.D	30 Jun 2025 15:36	YP/AJ	Ok
14	Q2458-04	FB031977.D	30 Jun 2025 16:04	YP/AJ	Ok
15	Q2458-05	FB031978.D	30 Jun 2025 16:31	YP/AJ	Ok
16	Q2458-06	FB031979.D	30 Jun 2025 16:59	YP/AJ	Ok,M
17	Q2458-07	FB031980.D	30 Jun 2025 17:28	YP/AJ	Not Ok
18	Q2458-08	FB031981.D	30 Jun 2025 17:55	YP/AJ	Ok
19	Q2458-09	FB031982.D	30 Jun 2025 18:23	YP/AJ	Ok
20	BSF0630S3	FB031983.D	30 Jun 2025 18:50	YP/AJ	Ok
21	20 PPB GRO STD	FB031984.D	30 Jun 2025 19:18	YP/AJ	Ok

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QCBatch 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	PP24111,PP24662
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

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

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Fax : 908 789 8922

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QCBatch ID # FB062725

Review By	yogesh	Review On	6/27/2025 2:47:30 PM		
Supervise By	mohammad	Supervise On	6/30/2025 9:33:15 AM		
SubDirectory	FB062725	HP Acquire Method		HP Processing Method	FB062325

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24656,PP24658,PP24659,PP24660,PP24661
CCC	PP24670,PP24671,PP24672
Internal Standard/PEM	
ICV/I.BLK	PP24111,PP24662
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	20 PPB GRO STD		FB031945.D	27 Jun 2025 9:38		YP/AJ	Ok,M
2	VBF0627S1		FB031946.D	27 Jun 2025 10:24		YP/AJ	Ok
3	VBF0627S2		FB031947.D	27 Jun 2025 10:51		YP/AJ	Ok
4	BSF0627S1		FB031948.D	27 Jun 2025 11:19		YP/AJ	Ok
5	Q2436-01		FB031949.D	27 Jun 2025 12:20	vial-A	YP/AJ	Ok
6	Q2436-02		FB031950.D	27 Jun 2025 12:47	vial-A , not purged	YP/AJ	Not Ok
7	Q2436-03		FB031951.D	27 Jun 2025 13:14	vial-A	YP/AJ	Ok
8	Q2436-04		FB031952.D	27 Jun 2025 13:42	vial-A , surr fail	YP/AJ	ReRun
9	Q2436-05		FB031953.D	27 Jun 2025 14:09	vial-A	YP/AJ	Ok
10	BSF0627S2		FB031954.D	27 Jun 2025 14:36		YP/AJ	Ok
11	20 PPB GRO STD		FB031955.D	27 Jun 2025 15:21		YP/AJ	Ok
12	Q2436-06		FB031956.D	27 Jun 2025 16:06	vial-A	YP/AJ	Ok
13	Q2436-07		FB031957.D	27 Jun 2025 16:34	vial-A , not purged	YP/AJ	Not Ok
14	Q2436-08		FB031958.D	27 Jun 2025 17:01	vial-A	YP/AJ	Ok
15	Q2436-09		FB031959.D	27 Jun 2025 17:29	vial-A	YP/AJ	Ok
16	Q2436-10		FB031960.D	27 Jun 2025 17:57	vial-A , not purged	YP/AJ	Not Ok
17	Q2436-02		FB031961.D	27 Jun 2025 18:25	vial-B	YP/AJ	Ok
18	BSF0627S3		FB031962.D	27 Jun 2025 18:53		YP/AJ	Ok

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Fax : 908 789 8922

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QCBatch ID # FB062725

Review By	yogesh	Review On	6/27/2025 2:47:30 PM		
Supervise By	mohammad	Supervise On	6/30/2025 9:33:15 AM		
SubDirectory	FB062725	HP Acquire Method		HP Processing Method	FB062325

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24656,PP24658,PP24659,PP24660,PP24661
CCC	PP24670,PP24671,PP24672
Internal Standard/PEM	
ICV/I.BLK	PP24111,PP24662
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	20 PPB GRO STD		FB031963.D	27 Jun 2025 19:20		YP/AJ	Ok

M : Manual Integration

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

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QCBatch ID # FB063025

Review By	yogesh	Review On	6/30/2025 1:41:36 PM		
Supervise By	mohammad	Supervise On	7/1/2025 8:55:46 AM		
SubDirectory	FB063025	HP Acquire Method		HP Processing Method	FB062325

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24656,PP24658,PP24659,PP24660,PP24661
CCC	PP24674,PP24675,PP24676
Internal Standard/PEM	
ICV/I.BLK	PP24111,PP24662
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	20 PPB GRO STD		FB031964.D	30 Jun 2025 9:27		YP/AJ	Ok
2	VBF0630S1		FB031965.D	30 Jun 2025 10:12		YP/AJ	Ok
3	VBF0630S2		FB031966.D	30 Jun 2025 10:40		YP/AJ	Ok
4	BSF0630S1		FB031967.D	30 Jun 2025 11:08		YP/AJ	Ok
5	Q2436-04		FB031968.D	30 Jun 2025 11:36	Vial-B, Not purged	YP/AJ	Not Ok
6	Q2436-07		FB031969.D	30 Jun 2025 12:04	Vial-B	YP/AJ	Ok
7	Q2436-10		FB031970.D	30 Jun 2025 12:31	Vial-B	YP/AJ	Ok
8	Q2436-04		FB031971.D	30 Jun 2025 12:59	Vial-C	YP/AJ	Ok
9	BSF0630S2		FB031972.D	30 Jun 2025 13:26		YP/AJ	Ok
10	20 PPB GRO STD		FB031973.D	30 Jun 2025 13:54		YP/AJ	Ok
11	Q2458-01		FB031974.D	30 Jun 2025 14:40	Vial-A	YP/AJ	Ok
12	Q2458-02		FB031975.D	30 Jun 2025 15:08	Vial-A	YP/AJ	Ok
13	Q2458-03		FB031976.D	30 Jun 2025 15:36	Vial-A	YP/AJ	Ok
14	Q2458-04		FB031977.D	30 Jun 2025 16:04	Vial-A	YP/AJ	Ok
15	Q2458-05		FB031978.D	30 Jun 2025 16:31	Vial-A	YP/AJ	Ok
16	Q2458-06		FB031979.D	30 Jun 2025 16:59	Vial-A	YP/AJ	Ok,M
17	Q2458-07		FB031980.D	30 Jun 2025 17:28	Vial-A, Not Purged	YP/AJ	Not Ok
18	Q2458-08		FB031981.D	30 Jun 2025 17:55	Vial-A	YP/AJ	Ok

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

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QCBatch ID # FB063025

Review By	yogesh	Review On	6/30/2025 1:41:36 PM		
Supervise By	mohammad	Supervise On	7/1/2025 8:55:46 AM		
SubDirectory	FB063025	HP Acquire Method		HP Processing Method	FB062325

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24656,PP24658,PP24659,PP24660,PP24661
CCC	PP24674,PP24675,PP24676
Internal Standard/PEM	
ICV/I.BLK	PP24111,PP24662
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2458-09		FB031982.D	30 Jun 2025 18:23	Vial-A	YP/AJ	Ok
20	BSF0630S3		FB031983.D	30 Jun 2025 18:50		YP/AJ	Ok
21	20 PPB GRO STD		FB031984.D	30 Jun 2025 19:18		YP/AJ	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 6/30/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 06/27/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:26
Out Date: 06/28/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB136311

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
Q2436-01	TP-70	1	1.15	10.83	11.98	10.04	82.1	
Q2436-02	TP-69	2	1.16	10.29	11.45	9.6	82.0	
Q2436-03	TP-85	3	1.16	10.55	11.71	10.14	85.1	
Q2436-04	TP-86	4	1.18	9.94	11.12	10.00	88.7	
Q2436-05	TP-84	5	1.14	10.40	11.54	10.74	92.3	
Q2436-06	TP-83	6	1.18	10.14	11.32	10.37	90.6	
Q2436-07	TP-87	7	1.18	10.37	11.55	10.5	89.9	
Q2436-08	TP-100	8	1.17	10.27	11.44	9.96	85.6	
Q2436-09	TP-99	9	1.17	10.47	11.64	10.82	92.2	
Q2436-10	TP-82	10	1.12	10.65	11.77	10.92	92.0	
Q2437-05	SVOC-GPC-BLANK	11	1.00	1.00	2.00	2.00	100.0	
Q2437-06	PEST-GPC-BLANK	12	1.00	1.00	2.00	2.00	100.0	
Q2437-07	PEST-GPC-BLANK-SPIKE	13	1.00	1.00	2.00	2.00	100.0	
Q2437-08	PCB-GPC-BLANK	14	1.00	1.00	2.00	2.00	100.0	
Q2437-09	PCB-GPC-BLANK-SPIKE	15	1.00	1.00	2.00	2.00	100.0	
Q2437-10	SVOC-GPC2-BLANK	16	1.00	1.00	2.00	2.00	100.0	
Q2437-11	PEST-GPC2-BLANK	17	1.00	1.00	2.00	2.00	100.0	
Q2437-12	PEST-GPC2-BLANK-SPIKE	18	1.00	1.00	2.00	2.00	100.0	
Q2437-13	PCB-GPC2-BLANK	19	1.00	1.00	2.00	2.00	100.0	
Q2437-14	PCB-GCP2-BLANK-SPIKE	20	1.00	1.00	2.00	2.00	100.0	
Q2440-01	72-11986-1	21	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2440-02	72-11986-2	22	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2440-03	72-11931-1	23	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2440-04	72-11931-2	24	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2440-05	VNJ-227-1	25	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2440-06	VNJ-227-2	26	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2440-07	RT2917-1	27	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2440-08	RT2917-2	28	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 6/30/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 06/27/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:26
Out Date: 06/28/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB136311

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
Q2442-01	500-3B	29	1.00	1.00	2.00	2.00	100.0	OILY STONE SAMPLE,100% SOLIDS
Q2442-02	500-3B-E2	30	1.00	1.00	2.00	2.00	100.0	OILY STONE SAMPLE,100% SOLIDS
Q2445-01	CONCRETE-PAD-6-27-25	37	1.00	1.00	2.00	2.00	100.0	CONCRETE-PAD-
Q2446-01	MR-BUR-LNG-19	38	1.00	1.00	2.00	2.00	100.0	oil sample
Q2446-03	MR-BUR-LNG-13	39	1.00	1.00	2.00	2.00	100.0	debris
Q2447-01	COMP-1	40	1.14	10.15	11.29	9.9	86.3	
Q2447-02	COMP-1	41	1.18	9.78	10.96	9.00	80.0	
Q2447-04	COMP-2	42	1.15	10.67	11.82	8.28	66.8	
Q2447-05	COMP-2	43	1.12	11.15	12.27	8.69	67.9	
Q2447-06	LAW-25-0100	44	1.11	10.66	11.77	10.75	90.4	
Q2447-07	LAW-25-0100	45	1.12	9.28	10.4	9.51	90.4	
Q2448-01	JEI041K-1-1	46	1.00	1.00	2.00	2.00	100.0	PILC
Q2448-02	JEI041K-1-2	47	1.00	1.00	2.00	2.00	100.0	PILC
Q2449-01	RBR200032	48	1.00	1.00	2.00	2.00	100.0	STONE SAMPLE, 100% SOLIDS
Q2449-02	RBR200032-E2	49	1.00	1.00	2.00	2.00	100.0	STONE SAMPLE, 100% SOLIDS
Q2450-01	PL-2-062725	50	1.18	10.26	11.44	10.65	92.3	
Q2450-02	PL-2-062725-E2	51	1.19	10.36	11.55	10.65	91.3	
Q2452-01	TP-5	31	1.13	10.61	11.74	10.83	91.4	
Q2452-02	TP-5-EPH	32	1.13	10.70	11.83	10.44	87.0	
Q2452-03	TP-5-VOC	33	1.18	10.59	11.77	10.84	91.2	
Q2452-05	EP-2	34	1.11	10.66	11.77	10.38	87.0	
Q2452-06	EP-2-EPH	35	1.18	10.01	11.19	10.36	91.7	
Q2452-07	EP-2-VOC	36	1.14	10.43	11.57	10.05	85.4	
Q2457-01	OK-02-062725	52	1.12	10.47	11.59	10.87	93.1	
Q2457-02	OK-02-062725-E2	53	1.19	10.28	11.47	10.75	93.0	

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

WORKLIST(Hardcopy Internal Chain)

VB 13631

WorkList Name : %1-062725 **WorkList ID :** 190440 **Department :** Wet-Chemistry **Date :** 06-27-2025 10:02:44

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2436-01	TP-70	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/25/2025	Chemtech -SO
Q2436-02	TP-69	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/25/2025	Chemtech -SO
Q2436-03	TP-85	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/25/2025	Chemtech -SO
Q2436-04	TP-86	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/25/2025	Chemtech -SO
Q2436-05	TP-84	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/25/2025	Chemtech -SO
Q2436-06	TP-83	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/25/2025	Chemtech -SO
Q2436-07	TP-87	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/25/2025	Chemtech -SO
Q2436-08	TP-100	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/26/2025	Chemtech -SO
Q2436-09	TP-99	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/26/2025	Chemtech -SO
Q2436-10	TP-82	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/26/2025	Chemtech -SO
Q2437-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/26/2025	Chemtech -SO
Q2437-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/20/2025	Chemtech -SO
Q2437-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/20/2025	Chemtech -SO
Q2437-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/20/2025	Chemtech -SO
Q2437-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/20/2025	Chemtech -SO
Q2437-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/20/2025	Chemtech -SO
Q2437-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/20/2025	Chemtech -SO
Q2437-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/20/2025	Chemtech -SO
Q2437-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/20/2025	Chemtech -SO
Q2437-14	PCB-GCP2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/20/2025	Chemtech -SO
Q2440-01	72-11986-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO

Date/Time 06/27/25 16:10

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

Date/Time 06/27/25 17:30

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

WORKLIST(Hardcopy Internal Chain)

VB13631

WorkList Name : %1-062725 **WorkList ID :** 190440 **Department :** Wet-Chemistry **Date :** 06-27-2025 10:02:44

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2440-02	72-11986-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2440-03	72-11931-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2440-04	72-11931-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2440-05	VNJ-227-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2440-06	VNJ-227-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2440-07	RT2917-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2440-08	RT2917-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2442-01	500-3B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2442-02	500-3B-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2445-01	CONCRETE-PAD-6-27-25	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2446-01	MR-BU-LNG-19	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2446-03	MR-BU-LNG-13	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2447-01	COMP-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2447-02	COMP-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2447-04	COMP-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2447-05	COMP-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2447-06	LAW-25-0100	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2447-07	LAW-25-0100	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2448-01	JEI041K-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2448-02	JEI041K-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2449-01	RBR200032	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO

Date/Time 061725 16:10

Raw Sample Received by: [signature] (WC)

Raw Sample Relinquished by: [signature]

Date/Time 061725 17:30

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature] (WC)

WORKLIST(Hardcopy Internal Chain)

VB13631

WorkList Name : %1-062725 **WorkList ID :** 190440 **Department :** Wet-Chemistry **Date :** 06-27-2025 10:02:44

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2449-02	RBR200032-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2450-01	PL-02-062725	Solid	Percent Solids	Cool 4 deg C	PSEG05	D11	06/27/2025	Chemtech -SO
Q2450-02	PL-02-062725-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D11	06/27/2025	Chemtech -SO
Q2452-01	TP-5	Solid	Percent Solids	Cool 4 deg C	PSEG03	A22	06/27/2025	Chemtech -SO
Q2452-02	TP-5-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	A22	06/27/2025	Chemtech -SO
Q2452-03	TP-5-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	A22	06/27/2025	Chemtech -SO
Q2452-05	EP-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	A22	06/27/2025	Chemtech -SO
Q2452-06	EP-2-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	A22	06/27/2025	Chemtech -SO
Q2452-07	EP-2-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	A22	06/27/2025	Chemtech -SO
Q2457-01	OK-02-062725	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	06/27/2025	Chemtech -SO
Q2457-02	OK-02-062725-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	06/27/2025	Chemtech -SO

Date/Time 06/27/25 16:10

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

Date/Time 06/27/25 17:30

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO. Q2436
QUOTE NO.
COC Number 2046480

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: MARCIE ENCINAS
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

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 + Raw Data) ☐ NYS ASP A ☐ NYS ASP B
☐ Other _____
☐ EDD FORMAT _____

ANALYSIS

1: TCL VOC
2
3. TCL SVOC
4
5: TAL METALS
6 PESTICIDES
7 HERBICIDES
8 DRO/GRO
9 PCBs

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	TP-70	S		X	6/25/25	0800	6	X	X	X	X	X	X	X			E
2.	TP-69	S		X	6/25/25	0840	6	X	X	X	X	X	X	X			E
3.	TP-85	S		X	6/25/25	0938	6	X	X	X	X	X	X	X			E
4.	TP-86	S		X	6/25/25	1020	6	X	X	X	X	X	X	X			E
5.	TP-84	S		X	6/25/25	1100	6	X	X	X	X	X	X	X			E
6.	TP-83	S		X	6/25/25	1135	6	X	X	X	X	X	X	X			E
7.	TP-87	S		X	6/26/25	0800	6	X	X	X	X	X	X	X			E
8.	TP-100	S		X	6/26/25	0845	6	X	X	X	X	X	X	X			E
9.	TP-99	S		X	6/26/25	0930	6	X	X	X	X	X	X	X			E
10.	TP-82	S		X	6/26/25	1020	6	X	X	X	X	X	X	X			E

PRESERVATIVES: ← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	6/26/25 1500	1 1500 6-26-25
2.	DATE/TIME:	2.
3.	DATE/TIME: 1630 6-26-25	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.4 °C
Comments:

Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

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

QA Control Code: A2070148

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2336 PSEG03
Client Name : PSEG
Client Contact : Andrew Goddard
Invoice Name : PSEG
Invoice Contact : Andrew Goddard

Order Date : 6/16/2025 12:39:35 PM
Project Name : Row Watchung Bridge Repl
Receive DateTime : 6/16/2025 12:10:00 PM
Purchase Order :

Project Mgr :
Report Type : ~~Results Only~~ Level-2 ✓
EDD Type : EXCEL NJCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2336-01	WBR-1	Solid	06/16/2025	08:30					
					VOC-TCLVOA-10	Bayshore	8260D		3 Bus. Days
Q2336-03	WBR-2	Solid	06/16/2025	09:03					
					VOC-TCLVOA-10	Bayshore	8260D		3 Bus. Days

Relinquished By : JM
Date / Time : 06/16/25 1250

Received By : [signature]
Date / Time : 06/16/25 12:50 Rgtt 6 FZ2

Storage Area : VOA Refridgerator Room