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Cover Page

Order ID : Q2458

Project ID : South River WM Replacement

Client : CDM Smith

Lab Sample Number	Client Sample Number
Q2458-01	TP-76
Q2458-02	TP-55
Q2458-03	TP-68
Q2458-04	TP-67
Q2458-05	TP-66
Q2458-06	TP-60
Q2458-07	TP-62
Q2458-08	TP-63
Q2458-09	TP-59
Q2458-10	FB-06272025

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: 7/7/2025

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 #: **Q2458**

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

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LAB CHRONICLE

OrderID:	Q2458	**OrderDate:**	6/27/2025 4:22:00 PM
Client:	CDM Smith	**Project:**	South River WM Replacement
Contact:	Marcie Ann Encinas	**Location:**	D51,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2458-01	**TP-76**	**SOIL**			**06/26/25**			**06/27/25**
			Diesel Range Organics	8015D		07/02/25	07/02/25	
			Gasoline Range Organics	8015D			06/30/25	
			PCB	8082A		07/01/25	07/01/25	
Q2458-02	**TP-55**	**SOIL**			**06/26/25**			**06/27/25**
			Diesel Range Organics	8015D		07/02/25	07/02/25	
			Diesel Range Organics	8015D		07/02/25	07/03/25	
			Gasoline Range Organics	8015D			06/30/25	
			PCB	8082A		07/01/25	07/01/25	
Q2458-03	**TP-68**	**SOIL**			**06/27/25**			**06/27/25**
			Diesel Range Organics	8015D		07/02/25	07/02/25	
			Gasoline Range Organics	8015D			06/30/25	
			PCB	8082A		07/01/25	07/01/25	
Q2458-04	**TP-67**	**SOIL**			**06/27/25**			**06/27/25**
			Diesel Range Organics	8015D		07/02/25	07/02/25	
			Gasoline Range Organics	8015D			06/30/25	
			PCB	8082A		07/01/25	07/01/25	
Q2458-05	**TP-66**	**SOIL**			**06/27/25**			**06/27/25**
			Diesel Range Organics	8015D		07/02/25	07/02/25	
			Diesel Range Organics	8015D		07/02/25	07/03/25	
			Gasoline Range Organics	8015D			06/30/25	
			PCB	8082A		07/01/25	07/01/25	
Q2458-06	**TP-60**	**SOIL**			**06/27/25**			**06/27/25**
			Diesel Range Organics	8015D		07/02/25	07/02/25	
			Diesel Range Organics	8015D		07/02/25	07/03/25	
			Gasoline Range Organics	8015D			06/30/25	
			PCB	8082A		07/01/25	07/01/25	

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LAB CHRONICLE

Q2458-07	**TP-62**	**SOIL**			**06/27/25**		**06/27/25**
			Gasoline Range Organics	8015D		07/01/25	
			PCB	8082A	07/01/25	07/01/25	
Q2458-08	**TP-63**	**SOIL**			**06/27/25**		**06/27/25**
			Gasoline Range Organics	8015D		06/30/25	
			PCB	8082A	07/01/25	07/01/25	
Q2458-09	**TP-59**	**SOIL**			**06/27/25**		**06/27/25**
			Gasoline Range Organics	8015D		06/30/25	
			PCB	8082A	07/01/25	07/02/25	
Q2458-10	**FB-06272025**	**Water**			**06/27/25**		**06/27/25**
			Diesel Range Organics	8015D	07/02/25	07/02/25	
			Gasoline Range Organics	8015D		07/01/25	
			PCB	8082A	07/02/25	07/02/25	

QC SUMMARY

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SOIL GASOLINE RANGE ORGANICS SURROGATE RECOVERY

Lab Name: Chemtech Client: CDM Smith

Lab Code: CHEM Case No.: Q2458 SAS No.: Q2458 SDG No.: Q2458

EPA SAMPLE NO.	S1 AAA-TFT	S2	S3	S4	TOT OUT
VBF0630S1	80				0
BSF0630S1	86				0
BSF0630S2	99				0
TP-76	82				0
TP-55	78				0
TP-68	77				0
TP-67	81				0
TP-66	75				0
TP-60	94				0
TP-63	91				0
TP-59	82				0
VBF0701S1	89				0
BSF0701S1	92				0
TP-62	95				0
VBF0701W1	99				0
BSF0701W1	104				0
FB-06272025	58				0
BSF0701W2	102				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:** Q2458 **SAS No :** Q2458 **SDG No:** Q2458

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

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

Lab Code: CHEM **Cas No:** Q2458 **SAS No :** Q2458 **SDG No:** Q2458

Matrix Spike - EPA Sample No : BSF0630S2 **Datafile:** FB031972.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS
GRO	180	0	170	94	50-150

LCS/LCSD % Recovery RPD : 1.2

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

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

Lab Code: CHEM **Cas No:** Q2458 **SAS No :** Q2458 **SDG No:** Q2458

Matrix Spike - EPA Sample No : BSF0701S1 **Datafile:** FB031988.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS
GRO	180	0	166	92	50-150

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WATER GASOLINE RANGE ORGANICS LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLIC

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

Lab Code: CHEM **Cas No:** Q2458 **SAS No :** Q2458 **SDG No:** Q2458

Matrix Spike - EPA Sample No : BSF0701W1 **Datafile:** FB031993.D

COMPOUND	SPIKE ADDED ug/L	CONCENTRATION ug/L	LCS/LCSD CONCENTRATION ug/L	% REC	QC LIMITS
GRO	180	0	165	92	50-150

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WATER GASOLINE RANGE ORGANICS LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLIC

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

Lab Code: CHEM **Cas No:** Q2458 **SAS No :** Q2458 **SDG No:** Q2458

Matrix Spike - EPA Sample No : BSF0701W2 **Datafile:** FB031995.D

COMPOUND	SPIKE ADDED ug/L	CONCENTRATION ug/L	LCS/LCSD CONCENTRATION ug/L	% REC	QC LIMITS
GRO	180	0	170	94	50-150

LCS/LCSD % Recovery RPD : 2.9

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METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBF0630S1

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2458 SAS No.: Q2458 SDG NO.: Q2458

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
BSF0630S2	BSF0630S2	FB031972.D	06/30/25
TP-76	Q2458-01	FB031974.D	06/30/25
TP-55	Q2458-02	FB031975.D	06/30/25
TP-68	Q2458-03	FB031976.D	06/30/25
TP-67	Q2458-04	FB031977.D	06/30/25
TP-66	Q2458-05	FB031978.D	06/30/25
TP-60	Q2458-06	FB031979.D	06/30/25
TP-63	Q2458-08	FB031981.D	06/30/25
TP-59	Q2458-09	FB031982.D	06/30/25

COMMENTS:

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METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBF0701S1

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2458 SAS No.: Q2458 SDG NO.: Q2458

Lab File ID: FB031986.D Lab Sample ID: VBF0701S1

Date Analyzed: 07/01/25 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
BSF0701S1	BSF0701S1	FB031988.D	07/01/25
TP-62	Q2458-07	FB031989.D	07/01/25

COMMENTS:

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METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBF0701W1

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2458 SAS No.: Q2458 SDG NO.: Q2458

Lab File ID: FB031992.D Lab Sample ID: VBF0701W1

Date Analyzed: 07/01/25 Time Analyzed: 14:14

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

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
BSF0701W1	BSF0701W1	FB031993.D	07/01/25
FB-06272025	Q2458-10	FB031994.D	07/01/25
BSF0701W2	BSF0701W2	FB031995.D	07/01/25

COMMENTS:

SAMPLE DATA

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Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-76	SDG No.:	Q2458
Lab Sample ID:	Q2458-01	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	90.6 Decanted:
Sample Wt/Vol:	4.12 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
FB031974.D	1	06/30/25 14:40	FB063025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	12.0	J	11.0	60.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	16.3		50 - 150	82%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB063025\
Data File : FB031974.D
Signal(s) : FID2B.CH
Acq On : 30 Jun 2025 14:40
Operator : YP/AJ
Sample : Q2458-01
Misc : 4.12G/5.00 ML DI WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-76

Integration File: Calibration.e
Quant Time: Jul 01 01:07:42 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	8.802	252071	16.339 ng/ml
Target Compounds			

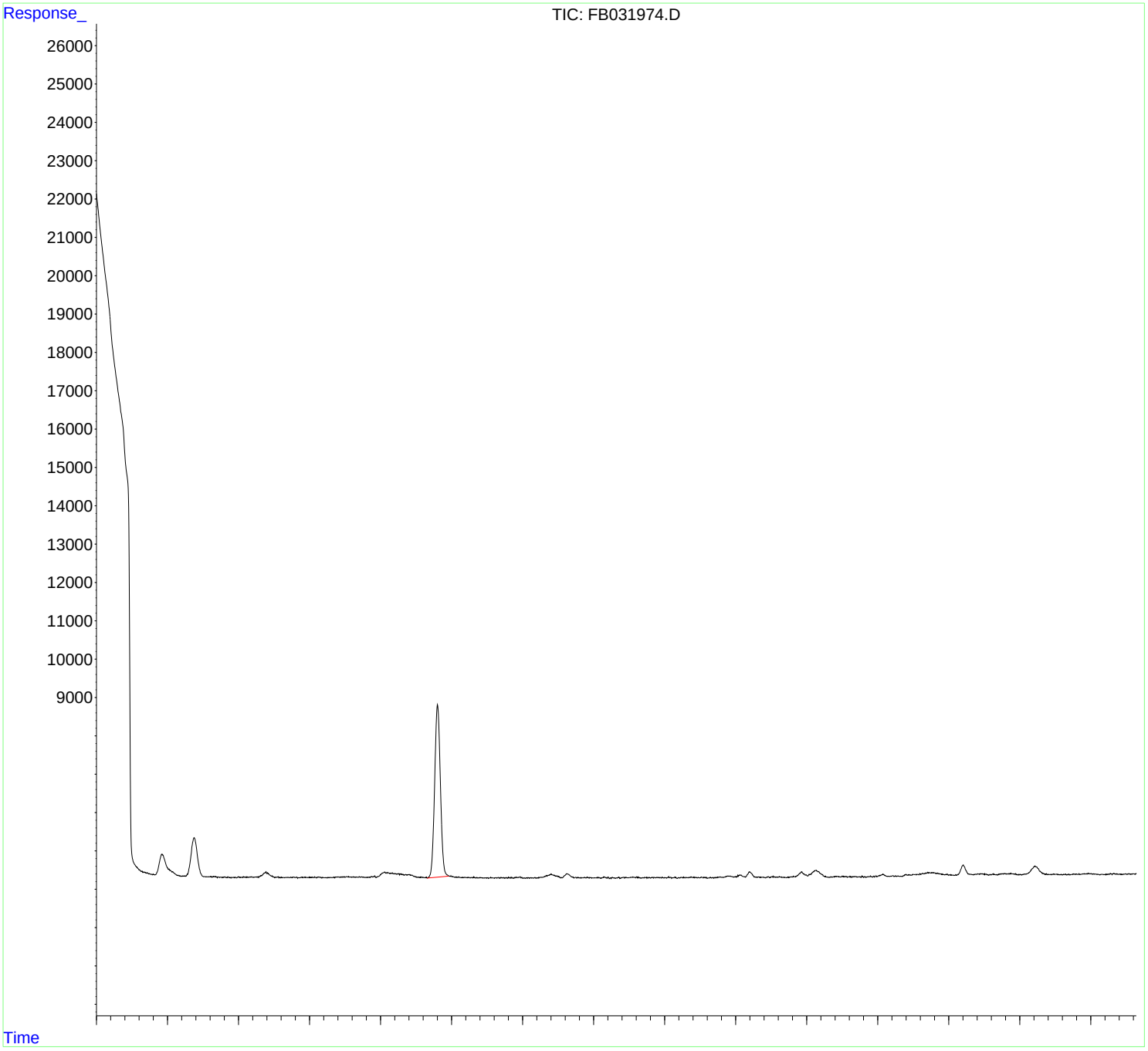
(f)=RT Delta > 1/2 Window (m)=manual int.

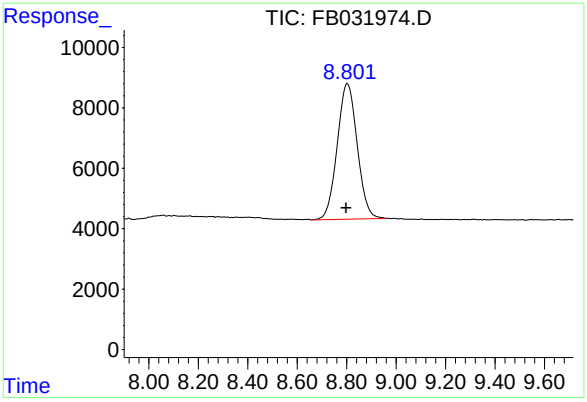
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB063025\
Data File : FB031974.D
Signal(s) : FID2B.CH
Acq On : 30 Jun 2025 14:40
Operator : YP/AJ
Sample : Q2458-01
Misc : 4.12G/5.00 ML DI WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-76

Integration File: Calibration.e
Quant Time: Jul 01 01:07:42 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.:	8.802 min
Delta R.T.:	0.004 min
Response:	252071
Conc:	16.34 ng/ml

Instrument :
FID_B
ClientSampleId :
TP-76

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB063025\
Data File : FB031974.D
Signal(s) : FID2B.CH
Acq On : 30 Jun 2025 14:40
Sample : Q2458-01
Misc : 4.12G/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	4.801	4.754	4.824	BV	14	52	0.02%	0.010%
2	5.209	5.191	5.255	PV	14	371	0.14%	0.071%
3	5.525	5.511	5.537	VV	19	205	0.08%	0.039%
4	5.553	5.537	5.567	VV	13	214	0.08%	0.041%
5	5.610	5.567	5.628	VV	28	559	0.21%	0.107%
6	5.653	5.628	5.678	VV	30	622	0.24%	0.119%
7	5.683	5.678	5.702	VV	26	245	0.09%	0.047%
8	5.713	5.702	5.735	PV	21	251	0.10%	0.048%
9	5.754	5.735	5.770	VV	17	257	0.10%	0.049%
10	5.808	5.770	5.841	VV	24	581	0.22%	0.111%
11	5.854	5.841	5.868	VV	30	304	0.12%	0.058%
12	5.882	5.868	5.894	VV	20	168	0.06%	0.032%
13	5.907	5.894	5.920	PV	21	203	0.08%	0.039%
14	5.942	5.920	5.976	VV	16	513	0.19%	0.098%
15	5.997	5.976	6.005	VV	36	377	0.14%	0.072%
16	6.010	6.005	6.030	VV	28	341	0.13%	0.065%
17	6.038	6.030	6.046	VV	20	171	0.06%	0.033%
18	6.055	6.046	6.062	VV	22	195	0.07%	0.037%
19	6.070	6.062	6.144	VV	38	1155	0.44%	0.220%
20	6.164	6.144	6.174	VV	29	447	0.17%	0.085%
21	6.188	6.174	6.200	VV	36	454	0.17%	0.087%
22	6.242	6.200	6.254	VV	30	796	0.30%	0.152%
23	6.264	6.254	6.289	VV	33	619	0.24%	0.118%

24	6.323	6.289	6.329	VV	70	1267	0.48%	0.242%
25	6.388	6.329	6.399	VV	166	5083	1.93%	0.969%
26	6.407	6.399	6.509	VV	143	4785	1.82%	0.913%
27	6.536	6.509	6.543	VV	27	430	0.16%	0.082%
28	6.560	6.543	6.571	VV	39	431	0.16%	0.082%
29	6.609	6.571	6.624	VV	28	467	0.18%	0.089%
30	6.636	6.624	6.651	VV	18	241	0.09%	0.046%
31	6.669	6.651	6.683	VV	21	307	0.12%	0.059%
32	6.691	6.683	6.720	VV	23	387	0.15%	0.074%
33	6.737	6.720	6.748	VV	27	306	0.12%	0.058%
34	6.779	6.748	6.793	VV	30	577	0.22%	0.110%
35	6.822	6.793	6.844	VV	28	498	0.19%	0.095%
36	6.852	6.844	6.861	VV	15	111	0.04%	0.021%
37	6.884	6.861	6.919	VV	29	658	0.25%	0.126%
38	6.927	6.919	6.947	VV	25	342	0.13%	0.065%
39	6.963	6.947	6.973	VV	24	292	0.11%	0.056%
40	7.045	6.973	7.060	VV	28	1007	0.38%	0.192%
41	7.074	7.060	7.101	VV	26	476	0.18%	0.091%
42	7.124	7.101	7.176	VV	33	1004	0.38%	0.191%
43	7.187	7.176	7.220	VV	25	402	0.15%	0.077%
44	7.403	7.220	7.458	VV	36	3192	1.21%	0.609%
45	7.470	7.458	7.504	VV	42	869	0.33%	0.166%
46	7.523	7.504	7.591	VV	44	1809	0.69%	0.345%
47	7.619	7.591	7.651	VV	38	1113	0.42%	0.212%
48	7.665	7.651	7.688	VV	35	633	0.24%	0.121%
49	7.703	7.688	7.717	VV	44	590	0.22%	0.112%
50	7.734	7.717	7.783	VV	39	1185	0.45%	0.226%
51	7.871	7.783	7.908	VV	48	2339	0.89%	0.446%
52	7.920	7.908	7.941	VV	67	815	0.31%	0.155%
53	8.058	7.941	8.147	VV	167	13963	5.31%	2.663%
54	8.165	8.147	8.231	VV	142	6193	2.35%	1.181%
55	8.249	8.231	8.339	VV	118	6898	2.62%	1.315%
56	8.356	8.339	8.377	VV	102	2099	0.80%	0.400%
57	8.402	8.377	8.556	VV	99	6524	2.48%	1.244%
58	8.575	8.556	8.626	VV	37	1086	0.41%	0.207%
59	8.637	8.626	8.660	VV	28	440	0.17%	0.084%
60	8.803	8.660	9.174	VV	4520	263084	100.00%	50.168%
61	9.193	9.174	9.222	VV	29	715	0.27%	0.136%
62	9.244	9.222	9.299	VV	29	1056	0.40%	0.201%

63	9.314	9.299	9.386	VV	37	1069	0.41%	0.204%
64	9.401	9.386	9.454	VV	20	725	0.28%	0.138%
65	9.479	9.454	9.525	VV	18	585	0.22%	0.111%
66	9.549	9.525	9.605	PV	28	755	0.29%	0.144%
67	9.625	9.605	9.640	VV	23	326	0.12%	0.062%
68	9.658	9.640	9.673	VV	29	391	0.15%	0.075%
69	9.702	9.673	9.764	VV	24	936	0.36%	0.178%
70	9.774	9.764	9.837	VV	24	800	0.30%	0.153%
71	9.849	9.837	9.870	VV	30	334	0.13%	0.064%
72	9.966	9.870	10.006	VV	50	2156	0.82%	0.411%
73	10.025	10.006	10.041	VV	15	268	0.10%	0.051%
74	10.084	10.041	10.101	VV	26	610	0.23%	0.116%
75	10.115	10.101	10.156	VV	22	551	0.21%	0.105%
76	10.174	10.156	10.196	VV	28	439	0.17%	0.084%
77	10.404	10.196	10.558	VV	122	12740	4.84%	2.429%
78	10.625	10.558	10.725	VV	127	7493	2.85%	1.429%
79	10.748	10.725	10.763	VV	35	654	0.25%	0.125%
80	10.776	10.763	10.811	VV	30	717	0.27%	0.137%
81	10.874	10.811	10.891	VV	39	1214	0.46%	0.232%
82	10.911	10.891	10.941	VV	39	831	0.32%	0.159%
83	10.957	10.941	11.006	VV	28	856	0.33%	0.163%
84	11.058	11.006	11.111	VV	36	1435	0.55%	0.274%
85	11.155	11.111	11.192	VV	43	1431	0.54%	0.273%
86	11.204	11.192	11.223	VV	42	474	0.18%	0.090%
87	11.266	11.223	11.308	PV	38	1025	0.39%	0.196%
88	11.354	11.308	11.379	VV	34	957	0.36%	0.183%
89	11.420	11.379	11.445	VV	34	1037	0.39%	0.198%
90	11.458	11.445	11.489	VV	36	714	0.27%	0.136%
91	11.555	11.489	11.596	VV	42	2044	0.78%	0.390%
92	11.606	11.596	11.682	VV	39	1313	0.50%	0.250%
93	11.745	11.682	11.764	VV	38	1172	0.45%	0.224%
94	11.783	11.764	11.801	VV	31	494	0.19%	0.094%
95	11.853	11.801	11.955	VV	33	2265	0.86%	0.432%
96	11.967	11.955	11.994	VV	40	531	0.20%	0.101%
97	12.002	11.994	12.030	VV	26	425	0.16%	0.081%
98	12.058	12.030	12.073	VV	50	693	0.26%	0.132%
99	12.086	12.073	12.103	VV	35	428	0.16%	0.082%
100	12.144	12.103	12.177	VV	39	944	0.36%	0.180%
101	12.199	12.177	12.213	PV	21	298	0.11%	0.057%

102	12.236	12.213	12.292	VV	29	1002	0.38%	0.191%
103	12.301	12.292	12.333	VV	26	545	0.21%	0.104%
104	12.373	12.333	12.422	VV	38	1421	0.54%	0.271%
105	12.432	12.422	12.462	VV	30	497	0.19%	0.095%
106	12.475	12.462	12.495	VV	27	361	0.14%	0.069%
107	12.523	12.495	12.559	VV	34	846	0.32%	0.161%
108	12.588	12.559	12.604	VV	28	449	0.17%	0.086%
109	12.642	12.604	12.665	VV	14	428	0.16%	0.082%
110	12.751	12.665	12.764	VV	34	1143	0.43%	0.218%
111	12.782	12.764	12.832	VV	35	1101	0.42%	0.210%
112	12.891	12.832	12.912	VV	58	2092	0.80%	0.399%
113	12.923	12.912	12.989	VV	58	1903	0.72%	0.363%
114	13.076	12.989	13.136	VV	85	4684	1.78%	0.893%
115	13.198	13.136	13.310	VV	166	8179	3.11%	1.560%
116	13.324	13.310	13.350	VV	31	560	0.21%	0.107%
117	13.388	13.350	13.424	VV	27	769	0.29%	0.147%
118	13.461	13.424	13.479	VV	37	742	0.28%	0.142%
119	13.512	13.479	13.602	VV	36	1749	0.66%	0.333%
120	13.617	13.602	13.661	VV	35	843	0.32%	0.161%
121	13.676	13.661	13.715	VV	17	420	0.16%	0.080%
122	13.739	13.715	13.755	VV	22	349	0.13%	0.066%
123	13.818	13.755	13.837	VV	45	1323	0.50%	0.252%
124	13.928	13.837	14.017	VV	153	9486	3.61%	1.809%
125	14.132	14.017	14.322	VV	192	17767	6.75%	3.388%
126	14.344	14.322	14.359	VV	25	346	0.13%	0.066%
127	14.411	14.359	14.477	VV	33	1775	0.67%	0.339%
128	14.502	14.477	14.532	VV	40	817	0.31%	0.156%
129	14.544	14.532	14.605	VV	35	958	0.36%	0.183%
130	14.612	14.605	14.635	VV	37	372	0.14%	0.071%
131	14.680	14.635	14.719	VV	27	1065	0.40%	0.203%
132	14.784	14.719	14.804	VV	36	909	0.35%	0.173%
133	14.818	14.804	14.834	PV	26	245	0.09%	0.047%
134	14.865	14.834	14.877	VV	26	381	0.14%	0.073%
135	14.896	14.877	14.933	VV	37	659	0.25%	0.126%
136	15.076	14.933	15.169	VV	81	5127	1.95%	0.978%
137	15.214	15.169	15.234	VV	34	975	0.37%	0.186%
138	15.257	15.234	15.271	VV	22	487	0.18%	0.093%
139	15.286	15.271	15.345	VV	29	821	0.31%	0.157%
140	15.398	15.345	15.418	VV	65	1788	0.68%	0.341%

141	15.444	15.418	15.473	VV	51	1557	0.59%	0.297%
142	15.559	15.473	15.581	VV	61	3557	1.35%	0.678%
143	15.596	15.581	15.612	VV	76	1182	0.45%	0.225%
144	15.632	15.612	15.651	VV	88	1775	0.67%	0.338%
145	15.706	15.651	15.783	VV	110	7331	2.79%	1.398%
146	15.794	15.783	15.838	VV	98	2860	1.09%	0.545%
147	15.846	15.838	15.944	VV	84	3739	1.42%	0.713%
148	15.980	15.944	16.080	VV	61	2771	1.05%	0.528%
149	16.204	16.080	16.347	VV	290	16413	6.24%	3.130%
150	16.409	16.347	16.433	VV	51	2029	0.77%	0.387%
151	16.454	16.433	16.564	VV	51	2962	1.13%	0.565%
152	16.630	16.564	16.683	VV	43	1701	0.65%	0.324%
153	16.756	16.683	16.771	VV	40	1686	0.64%	0.322%
154	16.787	16.771	16.840	VV	51	1609	0.61%	0.307%
155	16.875	16.840	16.981	VV	51	2590	0.98%	0.494%
156	16.989	16.981	17.028	VV	20	355	0.13%	0.068%

Sum of corrected areas: 524405

FB062325.M Tue Jul 01 01:45:32 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:	06/27/25
Client Sample ID:	TP-55	SDG No.:	Q2458
Lab Sample ID:	Q2458-02	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	91.4 Decanted:
Sample Wt/Vol:	4.69 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
FB031975.D	1	06/30/25 15:08	FB063025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	10.0	U	10.0	52.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	15.6		50 - 150	78%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB063025\
Data File : FB031975.D
Signal(s) : FID2B.CH
Acq On : 30 Jun 2025 15:08
Operator : YP/AJ
Sample : Q2458-02
Misc : 4.69G/5.00 ML DI WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-55

Integration File: Calibration.e
Quant Time: Jul 01 01:07:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
Quant Title :
QLast Update : Mon Jun 23 13:56:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
5) s AAA-TFT	8.804	240566	15.593 ng/ml
Target Compounds			

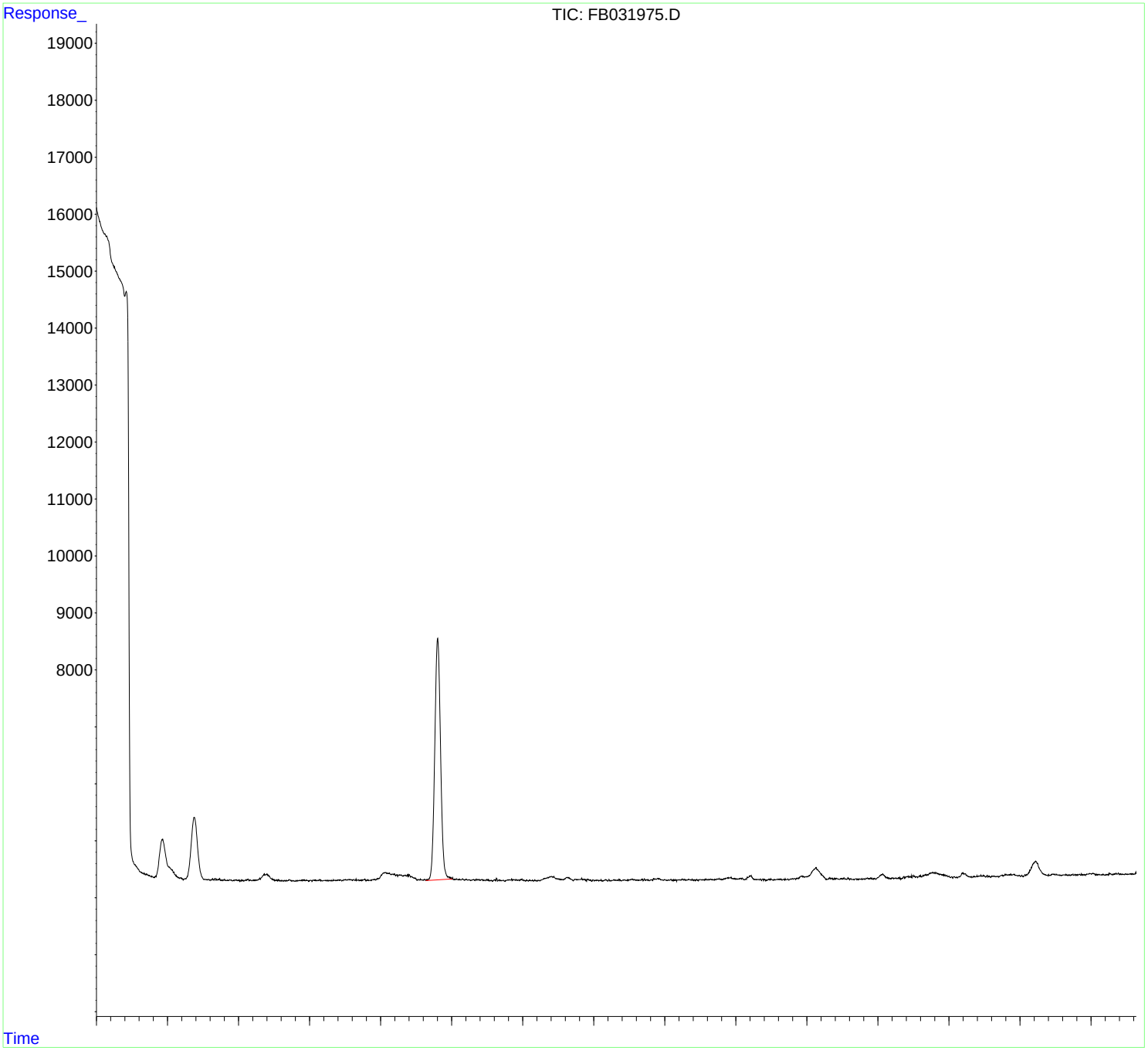
(f)=RT Delta > 1/2 Window (m)=manual int.

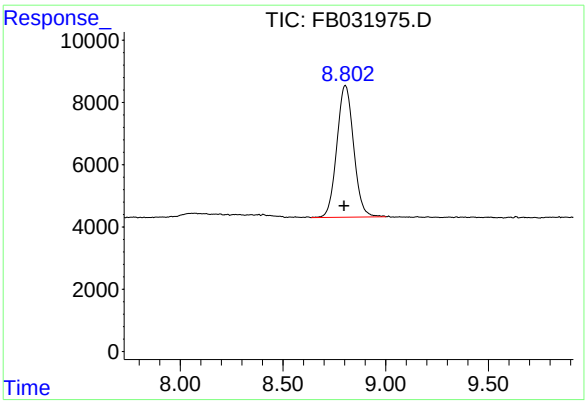
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB063025\
Data File : FB031975.D
Signal(s) : FID2B.CH
Acq On : 30 Jun 2025 15:08
Operator : YP/AJ
Sample : Q2458-02
Misc : 4.69G/5.00 ML DI WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-55

Integration File: Calibration.e
Quant Time: Jul 01 01:07:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
Quant Title :
QLast Update : Mon Jun 23 13:56:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#5 AAA-TFT

R.T.:	8.804 min
Delta R.T.:	0.006 min
Response:	240566
Conc:	15.59 ng/ml

Instrument :
FID_B
ClientSampleId :
TP-55

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB063025\
Data File : FB031975.D
Signal(s) : FID2B.CH
Acq On : 30 Jun 2025 15:08
Sample : Q2458-02
Misc : 4.69G/5.00 ML DI WATER
ALS Vial : 2 Sample Multiplier: 1

Integration File: SAMPLE.e

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

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	% max.	% of total
1	4.671	4.621	4.689	BV	12	137	0.06%	0.029%
2	4.706	4.689	4.807	PV	23	554	0.22%	0.119%
3	5.582	5.573	5.600	VV	18	188	0.08%	0.040%
4	5.638	5.600	5.653	VV	32	455	0.18%	0.097%
5	5.669	5.653	5.704	VV	34	556	0.23%	0.119%
6	5.736	5.704	5.754	VV	39	578	0.23%	0.124%
7	5.775	5.754	5.837	VV	18	524	0.21%	0.112%
8	5.879	5.837	5.916	VV	22	593	0.24%	0.127%
9	5.973	5.916	6.023	VV	22	962	0.39%	0.206%
10	6.042	6.023	6.075	PV	27	410	0.17%	0.088%
11	6.111	6.075	6.189	VV	33	1405	0.57%	0.301%
12	6.363	6.189	6.550	VV	135	11831	4.79%	2.535%
13	6.563	6.550	6.597	VV	34	457	0.18%	0.098%
14	6.716	6.597	6.755	VV	25	1256	0.51%	0.269%
15	6.760	6.755	6.792	VV	14	184	0.07%	0.039%
16	6.903	6.792	6.990	VV	27	1726	0.70%	0.370%
17	7.018	6.990	7.035	VV	19	338	0.14%	0.073%
18	7.063	7.035	7.106	VV	21	694	0.28%	0.149%
19	7.142	7.106	7.182	VV	34	766	0.31%	0.164%
20	7.226	7.182	7.292	VV	19	891	0.36%	0.191%
21	7.407	7.292	7.455	VV	24	1630	0.66%	0.349%
22	7.571	7.455	7.607	VV	34	2270	0.92%	0.486%
23	7.623	7.607	7.704	VV	33	1272	0.51%	0.273%

24	7.776	7.704	7.842	VV	34	1696	0.69%	0.364%
25	7.913	7.842	7.930	VV	35	1358	0.55%	0.291%
26	8.071	7.930	8.146	VV	155	13916	5.63%	2.982%
27	8.171	8.146	8.188	VV	126	3059	1.24%	0.656%
28	8.194	8.188	8.212	VV	133	1771	0.72%	0.380%
29	8.229	8.212	8.315	VV	122	6538	2.65%	1.401%
30	8.346	8.315	8.361	VV	108	2749	1.11%	0.589%
31	8.405	8.361	8.522	VV	121	7140	2.89%	1.530%
32	8.561	8.522	8.603	VV	39	1326	0.54%	0.284%
33	8.620	8.603	8.666	VV	36	1017	0.41%	0.218%
34	8.804	8.666	9.045	VV	4260	247180	100.00%	52.972%
35	9.067	9.045	9.134	VV	40	1692	0.68%	0.363%
36	9.154	9.134	9.190	VV	47	1026	0.42%	0.220%
37	9.206	9.190	9.279	VV	41	1366	0.55%	0.293%
38	9.310	9.279	9.334	VV	31	813	0.33%	0.174%
39	9.345	9.334	9.407	VV	39	1139	0.46%	0.244%
40	9.424	9.407	9.472	VV	31	919	0.37%	0.197%
41	9.512	9.472	9.546	VV	28	886	0.36%	0.190%
42	9.604	9.546	9.619	VV	26	687	0.28%	0.147%
43	9.635	9.619	9.652	VV	44	471	0.19%	0.101%
44	9.670	9.652	9.752	VV	24	869	0.35%	0.186%
45	9.845	9.752	9.952	PV	45	2707	1.10%	0.580%
46	9.986	9.952	10.005	VV	32	820	0.33%	0.176%
47	10.056	10.005	10.079	VV	26	632	0.26%	0.136%
48	10.098	10.079	10.125	VV	22	370	0.15%	0.079%
49	10.137	10.125	10.159	VV	19	274	0.11%	0.059%
50	10.174	10.159	10.209	VV	23	356	0.14%	0.076%
51	10.227	10.209	10.241	VV	17	270	0.11%	0.058%
52	10.408	10.241	10.576	VV	87	9992	4.04%	2.141%
53	10.622	10.576	10.714	VV	68	3836	1.55%	0.822%
54	10.829	10.714	10.898	VV	45	3323	1.34%	0.712%
55	10.916	10.898	10.973	VV	32	984	0.40%	0.211%
56	10.992	10.973	11.009	PV	24	319	0.13%	0.068%
57	11.054	11.009	11.085	VV	21	665	0.27%	0.142%
58	11.104	11.085	11.132	VV	27	343	0.14%	0.074%
59	11.165	11.132	11.198	VV	25	617	0.25%	0.132%
60	11.216	11.198	11.248	VV	33	370	0.15%	0.079%
61	11.283	11.248	11.317	VV	27	717	0.29%	0.154%
62	11.334	11.317	11.349	VV	19	323	0.13%	0.069%

63	11.359	11.349	11.390	VV	27	454	0.18%	0.097%
64	11.430	11.390	11.461	VV	25	700	0.28%	0.150%
65	11.539	11.461	11.596	VV	38	1952	0.79%	0.418%
66	11.682	11.596	11.699	VV	33	1180	0.48%	0.253%
67	11.715	11.699	11.788	VV	42	1058	0.43%	0.227%
68	11.812	11.788	11.827	VV	23	440	0.18%	0.094%
69	11.901	11.827	11.979	VV	48	2837	1.15%	0.608%
70	11.996	11.979	12.040	VV	25	559	0.23%	0.120%
71	12.053	12.040	12.068	VV	18	253	0.10%	0.054%
72	12.087	12.068	12.167	VV	26	914	0.37%	0.196%
73	12.256	12.167	12.312	VV	26	1608	0.65%	0.345%
74	12.340	12.312	12.434	VV	29	1324	0.54%	0.284%
75	12.451	12.434	12.474	VV	24	340	0.14%	0.073%
76	12.500	12.474	12.524	VV	22	561	0.23%	0.120%
77	12.570	12.524	12.586	VV	27	757	0.31%	0.162%
78	12.644	12.586	12.724	VV	31	1792	0.72%	0.384%
79	12.764	12.724	12.819	VV	38	1541	0.62%	0.330%
80	12.885	12.819	13.032	VV	55	5052	2.04%	1.083%
81	13.066	13.032	13.125	VV	45	1844	0.75%	0.395%
82	13.212	13.125	13.332	VV	89	5099	2.06%	1.093%
83	13.346	13.332	13.362	VV	28	339	0.14%	0.073%
84	13.381	13.362	13.425	VV	30	660	0.27%	0.141%
85	13.465	13.425	13.558	PV	24	1153	0.47%	0.247%
86	13.609	13.558	13.654	VV	26	1040	0.42%	0.223%
87	13.671	13.654	13.713	VV	22	554	0.22%	0.119%
88	13.731	13.713	13.748	VV	23	335	0.14%	0.072%
89	13.826	13.748	13.841	VV	34	1338	0.54%	0.287%
90	13.930	13.841	13.970	VV	72	3935	1.59%	0.843%
91	14.129	13.970	14.289	VV	217	20741	8.39%	4.445%
92	14.324	14.289	14.401	VV	37	1413	0.57%	0.303%
93	14.419	14.401	14.461	VV	27	659	0.27%	0.141%
94	14.482	14.461	14.504	VV	25	459	0.19%	0.098%
95	14.523	14.504	14.567	VV	36	679	0.27%	0.145%
96	14.580	14.567	14.666	VV	38	844	0.34%	0.181%
97	14.693	14.666	14.820	PV	18	950	0.38%	0.204%
98	14.852	14.820	14.890	VV	28	765	0.31%	0.164%
99	14.900	14.890	14.925	VV	26	372	0.15%	0.080%
100	14.954	14.925	14.971	VV	22	371	0.15%	0.079%
101	15.068	14.971	15.183	VV	97	5728	2.32%	1.228%

102	15.211	15.183	15.329	VV	25	1523	0.62%	0.326%
103	15.366	15.329	15.446	PV	49	2252	0.91%	0.483%
104	15.454	15.446	15.479	VV	40	725	0.29%	0.155%
105	15.602	15.479	15.615	VV	62	3361	1.36%	0.720%
106	15.774	15.615	15.988	VV	111	16055	6.50%	3.441%
107	16.001	15.988	16.025	VV	39	529	0.21%	0.113%
108	16.039	16.025	16.054	VV	25	295	0.12%	0.063%
109	16.073	16.054	16.122	VV	24	587	0.24%	0.126%
110	16.196	16.122	16.328	VV	82	4995	2.02%	1.071%
111	16.449	16.328	16.517	VV	40	2601	1.05%	0.557%
112	16.538	16.517	16.586	VV	35	674	0.27%	0.144%
113	16.626	16.586	16.710	PV	16	971	0.39%	0.208%
114	16.912	16.710	17.045	VV	43	5236	2.12%	1.122%

Sum of corrected areas: 466621

FB062325.M Tue Jul 01 01:45:57 2025

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-68	SDG No.:	Q2458
Lab Sample ID:	Q2458-03	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	92.3 Decanted:
Sample Wt/Vol:	3.61 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
FB031976.D	1	06/30/25 15:36	FB063025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	13.0	J	12.0	68.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	15.5		50 - 150	77%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB063025\
Data File : FB031976.D
Signal(s) : FID2B.CH
Acq On : 30 Jun 2025 15:36
Operator : YP/AJ
Sample : Q2458-03
Misc : 3.61G/5.00 ML DI WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-68

Integration File: Calibration.e
Quant Time: Jul 01 01:07:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
Quant Title :
QLast Update : Mon Jun 23 13:56:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
5) s AAA-TFT	8.803	239031	15.493 ng/ml
Target Compounds			

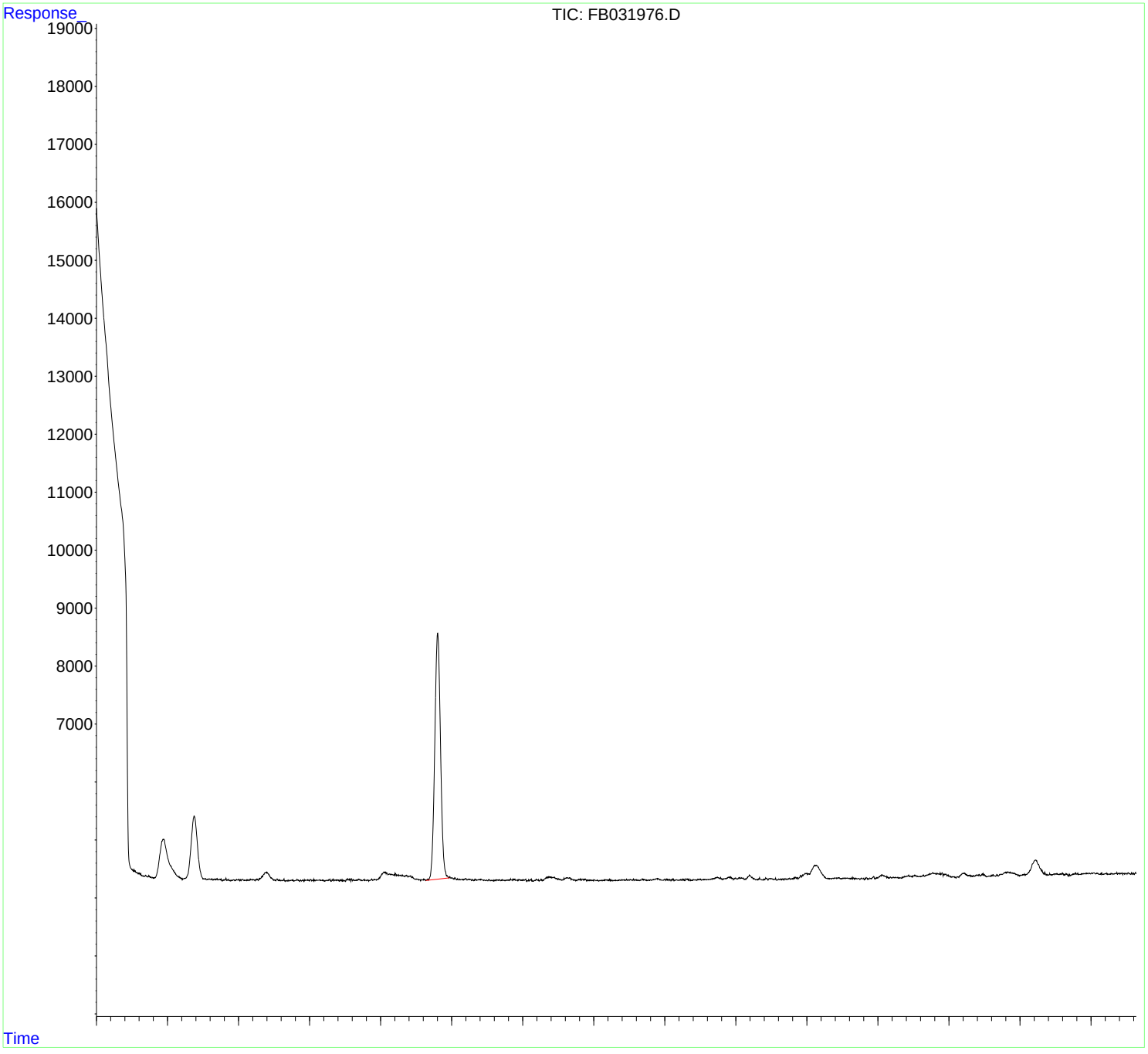
(f)=RT Delta > 1/2 Window (m)=manual int.

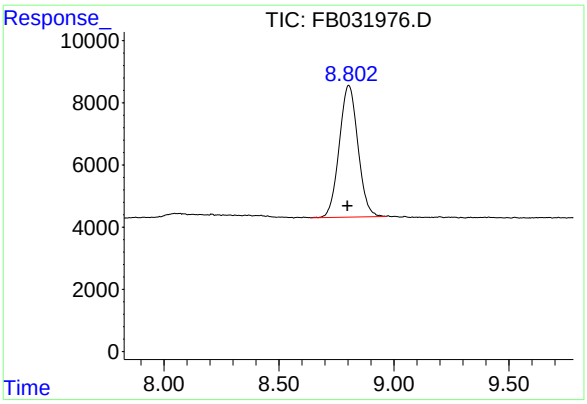
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB063025\
Data File : FB031976.D
Signal(s) : FID2B.CH
Acq On : 30 Jun 2025 15:36
Operator : YP/AJ
Sample : Q2458-03
Misc : 3.61G/5.00 ML DI WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-68

Integration File: Calibration.e
Quant Time: Jul 01 01:07:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
Quant Title :
QLast Update : Mon Jun 23 13:56:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#5 AAA-TFT

R.T.:	8.803 min
Delta R.T.:	0.006 min
Response:	239031
Conc:	15.49 ng/ml

Instrument :
FID_B
ClientSampleId :
TP-68

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB063025\
Data File : FB031976.D
Signal(s) : FID2B.CH
Acq On : 30 Jun 2025 15:36
Sample : Q2458-03
Misc : 3.61G/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	4.665	4.656	4.676	PV	13	73	0.03%	0.015%
2	4.693	4.676	4.727	VV	30	349	0.14%	0.072%
3	4.739	4.727	4.763	VV	32	278	0.11%	0.057%
4	4.768	4.763	4.806	VV	8	87	0.04%	0.018%
5	5.239	5.216	5.247	PV	21	248	0.10%	0.051%
6	5.537	5.523	5.550	VV	30	335	0.14%	0.069%
7	5.568	5.550	5.577	VV	22	253	0.10%	0.052%
8	5.588	5.577	5.620	VV	28	492	0.20%	0.101%
9	5.629	5.620	5.641	VV	22	216	0.09%	0.044%
10	5.700	5.641	5.728	VV	33	1053	0.43%	0.216%
11	5.737	5.728	5.765	VV	28	453	0.18%	0.093%
12	5.773	5.765	5.782	PV	13	77	0.03%	0.016%
13	5.824	5.782	5.843	VV	40	636	0.26%	0.130%
14	5.849	5.843	5.854	VV	18	98	0.04%	0.020%
15	5.860	5.854	5.895	VV	19	214	0.09%	0.044%
16	5.907	5.895	5.916	VV	14	107	0.04%	0.022%
17	5.932	5.916	5.960	VV	21	353	0.14%	0.072%
18	5.974	5.960	5.991	VV	25	319	0.13%	0.065%
19	6.003	5.991	6.021	VV	32	317	0.13%	0.065%
20	6.029	6.021	6.038	VV	23	139	0.06%	0.029%
21	6.060	6.038	6.079	VV	31	506	0.21%	0.104%
22	6.087	6.079	6.107	VV	20	215	0.09%	0.044%
23	6.131	6.107	6.152	VV	26	390	0.16%	0.080%

24	6.164	6.152	6.174	VV	31	286	0.12%	0.059%
25	6.193	6.174	6.202	VV	28	421	0.17%	0.086%
26	6.209	6.202	6.234	VV	29	430	0.17%	0.088%
27	6.261	6.234	6.278	VV	34	637	0.26%	0.131%
28	6.294	6.278	6.301	VV	48	431	0.17%	0.088%
29	6.372	6.301	6.379	VV	146	4316	1.75%	0.885%
30	6.402	6.379	6.525	VV	158	7038	2.85%	1.443%
31	6.544	6.525	6.561	VV	43	606	0.25%	0.124%
32	6.568	6.561	6.597	VV	25	364	0.15%	0.075%
33	6.611	6.597	6.622	VV	22	236	0.10%	0.048%
34	6.640	6.622	6.658	VV	44	409	0.17%	0.084%
35	6.671	6.658	6.680	VV	16	154	0.06%	0.032%
36	6.689	6.680	6.719	VV	22	339	0.14%	0.070%
37	6.759	6.719	6.781	VV	27	733	0.30%	0.150%
38	6.812	6.781	6.818	VV	25	411	0.17%	0.084%
39	6.827	6.818	6.863	VV	31	609	0.25%	0.125%
40	6.874	6.863	6.888	VV	28	264	0.11%	0.054%
41	6.906	6.888	6.922	VV	34	410	0.17%	0.084%
42	6.979	6.922	6.996	PV	36	1046	0.42%	0.214%
43	7.020	6.996	7.033	VV	37	593	0.24%	0.122%
44	7.046	7.033	7.080	VV	26	631	0.26%	0.129%
45	7.094	7.080	7.111	VV	29	443	0.18%	0.091%
46	7.140	7.111	7.153	VV	33	637	0.26%	0.131%
47	7.162	7.153	7.175	VV	28	282	0.11%	0.058%
48	7.184	7.175	7.218	VV	30	507	0.21%	0.104%
49	7.230	7.218	7.237	VV	23	194	0.08%	0.040%
50	7.249	7.237	7.258	VV	27	283	0.11%	0.058%
51	7.274	7.258	7.305	VV	36	702	0.28%	0.144%
52	7.320	7.305	7.332	VV	38	340	0.14%	0.070%
53	7.338	7.332	7.346	VV	38	234	0.09%	0.048%
54	7.354	7.346	7.362	VV	28	228	0.09%	0.047%
55	7.372	7.362	7.382	VV	34	310	0.13%	0.064%
56	7.391	7.382	7.423	VV	32	587	0.24%	0.120%
57	7.432	7.423	7.465	VV	31	525	0.21%	0.108%
58	7.473	7.465	7.481	VV	27	159	0.06%	0.033%
59	7.490	7.481	7.507	VV	21	222	0.09%	0.046%
60	7.535	7.507	7.559	VV	51	1040	0.42%	0.213%
61	7.570	7.559	7.581	VV	46	446	0.18%	0.091%
62	7.593	7.581	7.603	VV	52	448	0.18%	0.092%

63	7.619	7.603	7.662	VV	33	805	0.33%	0.165%
64	7.688	7.662	7.743	VV	44	1376	0.56%	0.282%
65	7.760	7.743	7.769	VV	34	387	0.16%	0.079%
66	7.776	7.769	7.802	VV	34	459	0.19%	0.094%
67	7.810	7.802	7.841	VV	29	487	0.20%	0.100%
68	7.878	7.841	7.897	VV	40	888	0.36%	0.182%
69	7.914	7.897	7.940	VV	39	839	0.34%	0.172%
70	8.047	7.940	8.061	VV	165	6660	2.70%	1.366%
71	8.070	8.061	8.104	VV	160	3790	1.54%	0.777%
72	8.125	8.104	8.148	VV	132	3312	1.34%	0.679%
73	8.158	8.148	8.197	VV	126	3464	1.40%	0.710%
74	8.207	8.197	8.221	VV	142	1803	0.73%	0.370%
75	8.237	8.221	8.250	VV	115	1895	0.77%	0.389%
76	8.258	8.250	8.275	VV	116	1576	0.64%	0.323%
77	8.288	8.275	8.300	VV	112	1577	0.64%	0.323%
78	8.309	8.300	8.341	VV	110	2348	0.95%	0.482%
79	8.353	8.341	8.361	VV	104	1179	0.48%	0.242%
80	8.370	8.361	8.385	VV	108	1370	0.55%	0.281%
81	8.423	8.385	8.443	VV	100	3018	1.22%	0.619%
82	8.452	8.443	8.491	VV	82	1590	0.64%	0.326%
83	8.501	8.491	8.565	VV	44	1554	0.63%	0.319%
84	8.582	8.565	8.601	VV	35	600	0.24%	0.123%
85	8.608	8.601	8.640	VV	40	688	0.28%	0.141%
86	8.803	8.640	8.965	VV	4283	246867	100.00%	50.626%
87	8.976	8.965	8.992	VV	86	1099	0.45%	0.225%
88	9.005	8.992	9.035	VV	66	1377	0.56%	0.282%
89	9.048	9.035	9.072	VV	63	1038	0.42%	0.213%
90	9.081	9.072	9.088	VV	44	356	0.14%	0.073%
91	9.112	9.088	9.127	VV	40	792	0.32%	0.162%
92	9.138	9.127	9.172	VV	35	881	0.36%	0.181%
93	9.200	9.172	9.218	VV	53	1070	0.43%	0.219%
94	9.239	9.218	9.247	VV	40	573	0.23%	0.117%
95	9.253	9.247	9.258	VV	39	240	0.10%	0.049%
96	9.264	9.258	9.282	VV	38	439	0.18%	0.090%
97	9.292	9.282	9.309	VV	33	348	0.14%	0.071%
98	9.335	9.309	9.344	VV	37	506	0.21%	0.104%
99	9.350	9.344	9.356	VV	27	177	0.07%	0.036%
100	9.396	9.356	9.404	VV	37	800	0.32%	0.164%
101	9.413	9.404	9.449	VV	42	744	0.30%	0.153%

102	9.463	9.449	9.480	VV	23	361	0.15%	0.074%
103	9.492	9.480	9.511	VV	23	317	0.13%	0.065%
104	9.526	9.511	9.556	VV	35	515	0.21%	0.106%
105	9.566	9.556	9.595	VV	23	328	0.13%	0.067%
106	9.645	9.595	9.667	VV	26	891	0.36%	0.183%
107	9.674	9.667	9.692	VV	25	319	0.13%	0.065%
108	9.716	9.692	9.751	VV	33	667	0.27%	0.137%
109	9.831	9.751	9.876	VV	41	1672	0.68%	0.343%
110	9.885	9.876	9.931	VV	35	787	0.32%	0.161%
111	9.950	9.931	10.000	VV	35	936	0.38%	0.192%
112	10.040	10.000	10.059	VV	33	748	0.30%	0.153%
113	10.117	10.059	10.147	PV	28	754	0.31%	0.155%
114	10.193	10.147	10.238	PV	32	862	0.35%	0.177%
115	10.261	10.238	10.279	VV	38	478	0.19%	0.098%
116	10.380	10.279	10.414	VV	79	4413	1.79%	0.905%
117	10.427	10.414	10.553	VV	68	3715	1.50%	0.762%
118	10.629	10.553	10.769	VV	60	4722	1.91%	0.968%
119	10.815	10.769	10.830	VV	40	995	0.40%	0.204%
120	10.847	10.830	10.860	VV	29	465	0.19%	0.095%
121	10.885	10.860	10.936	VV	38	934	0.38%	0.192%
122	10.956	10.936	10.999	VV	23	508	0.21%	0.104%
123	11.014	10.999	11.033	VV	24	284	0.12%	0.058%
124	11.048	11.033	11.075	VV	15	221	0.09%	0.045%
125	11.148	11.075	11.273	PV	24	1604	0.65%	0.329%
126	11.365	11.273	11.400	VV	21	883	0.36%	0.181%
127	11.415	11.400	11.447	VV	21	454	0.18%	0.093%
128	11.463	11.447	11.490	VV	31	449	0.18%	0.092%
129	11.499	11.490	11.539	VV	26	552	0.22%	0.113%
130	11.561	11.539	11.668	VV	32	1139	0.46%	0.234%
131	11.684	11.668	11.784	VV	38	1186	0.48%	0.243%
132	11.902	11.784	11.967	VV	41	2510	1.02%	0.515%
133	11.997	11.967	12.022	VV	24	529	0.21%	0.108%
134	12.032	12.022	12.111	VV	34	936	0.38%	0.192%
135	12.119	12.111	12.134	VV	38	253	0.10%	0.052%
136	12.145	12.134	12.155	PV	17	128	0.05%	0.026%
137	12.169	12.155	12.194	VV	18	288	0.12%	0.059%
138	12.270	12.194	12.283	VV	28	731	0.30%	0.150%
139	12.342	12.283	12.370	VV	31	859	0.35%	0.176%
140	12.468	12.370	12.480	PV	25	832	0.34%	0.171%

141	12.499	12.480	12.522	VV	26	448	0.18%	0.092%
142	12.570	12.522	12.585	VV	22	623	0.25%	0.128%
143	12.742	12.585	12.815	VV	61	4510	1.83%	0.925%
144	12.903	12.815	12.976	VV	61	3664	1.48%	0.751%
145	12.992	12.976	13.021	VV	39	816	0.33%	0.167%
146	13.049	13.021	13.063	VV	40	903	0.37%	0.185%
147	13.082	13.063	13.137	VV	45	1394	0.56%	0.286%
148	13.195	13.137	13.305	VV	87	4142	1.68%	0.849%
149	13.334	13.305	13.388	VV	42	711	0.29%	0.146%
150	13.424	13.388	13.454	VV	35	816	0.33%	0.167%
151	13.497	13.454	13.541	VV	33	1091	0.44%	0.224%
152	13.558	13.541	13.578	VV	18	299	0.12%	0.061%
153	13.604	13.578	13.725	VV	18	1167	0.47%	0.239%
154	13.753	13.725	13.767	VV	30	511	0.21%	0.105%
155	13.839	13.767	13.879	VV	45	1987	0.80%	0.407%
156	13.995	13.879	14.036	VV	111	7836	3.17%	1.607%
157	14.110	14.036	14.318	VV	249	23069	9.34%	4.731%
158	14.384	14.318	14.422	VV	33	1493	0.60%	0.306%
159	14.446	14.422	14.481	VV	36	963	0.39%	0.198%
160	14.531	14.481	14.618	VV	32	1938	0.79%	0.398%
161	14.653	14.618	14.708	VV	33	1016	0.41%	0.208%
162	14.731	14.708	14.748	VV	19	371	0.15%	0.076%
163	14.769	14.748	14.810	VV	28	532	0.22%	0.109%
164	14.840	14.810	14.874	PV	35	576	0.23%	0.118%
165	14.890	14.874	14.908	VV	21	329	0.13%	0.067%
166	14.941	14.908	14.962	VV	52	944	0.38%	0.194%
167	15.058	14.962	15.159	VV	75	5047	2.04%	1.035%
168	15.178	15.159	15.197	VV	39	589	0.24%	0.121%
169	15.216	15.197	15.240	VV	34	698	0.28%	0.143%
170	15.254	15.240	15.268	VV	33	426	0.17%	0.087%
171	15.279	15.268	15.334	VV	34	773	0.31%	0.158%
172	15.433	15.334	15.484	VV	61	3572	1.45%	0.733%
173	15.514	15.484	15.594	VV	62	2980	1.21%	0.611%
174	15.641	15.594	15.662	VV	61	1833	0.74%	0.376%
175	15.771	15.662	15.889	VV	101	10284	4.17%	2.109%
176	15.904	15.889	15.938	VV	97	2108	0.85%	0.432%
177	15.953	15.938	16.039	VV	70	2786	1.13%	0.571%
178	16.063	16.039	16.102	VV	28	754	0.31%	0.155%
179	16.118	16.102	16.141	PV	24	423	0.17%	0.087%
180	16.200	16.141	16.325	VV	82	5445	2.21%	1.117%

181	16.343	16.325	16.355	VV	35	455	0.18%	0.093%
182	16.391	16.355	16.408	VV	41	1073	0.43%	0.220%
183	16.427	16.408	16.441	VV	53	765	0.31%	0.157%
184	16.470	16.441	16.546	VV	52	1967	0.80%	0.403%
185	16.599	16.546	16.658	VV	35	1255	0.51%	0.257%
186	16.678	16.658	16.697	VV	34	507	0.21%	0.104%
187	16.731	16.697	16.747	VV	42	993	0.40%	0.204%
188	16.832	16.747	16.856	VV	80	4060	1.64%	0.833%
189	16.867	16.856	16.998	VV	70	3328	1.35%	0.683%

Sum of corrected areas: 487627

FB062325.M Tue Jul 01 01:46:37 2025

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-67	SDG No.:	Q2458
Lab Sample ID:	Q2458-04	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	89.7 Decanted:
Sample Wt/Vol:	4 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
FB031977.D	1	06/30/25 16:04	FB063025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	13.0	J	12.0	63.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	16.3		50 - 150	81%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB063025\
Data File : FB031977.D
Signal(s) : FID2B.CH
Acq On : 30 Jun 2025 16:04
Operator : YP/AJ
Sample : Q2458-04
Misc : 4.00G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-67

Integration File: Calibration.e
Quant Time: Jul 01 01:08:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
Quant Title :
QLast Update : Mon Jun 23 13:56:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
5) s AAA-TFT	8.803	251329	16.291 ng/ml
Target Compounds			

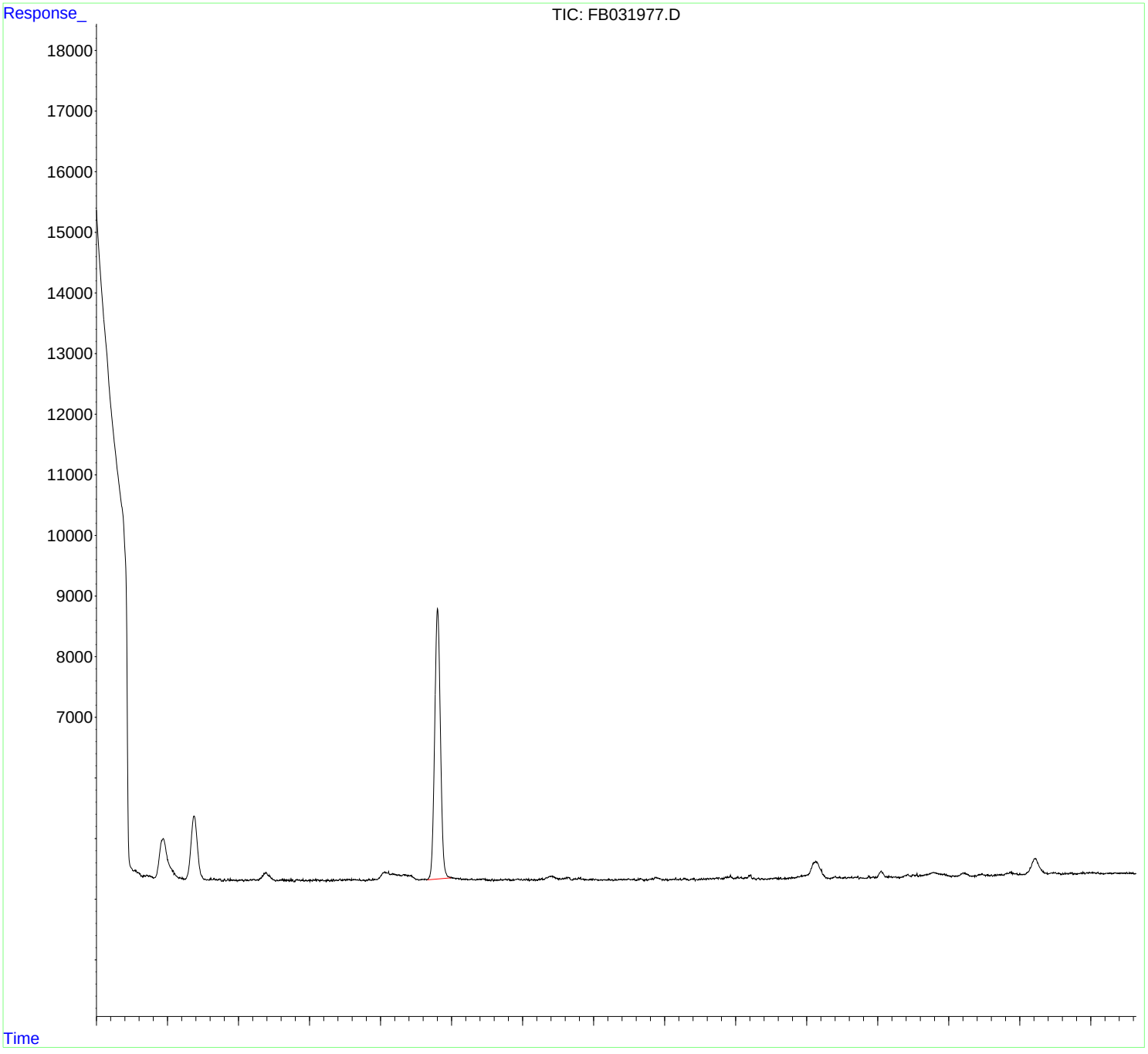
(f)=RT Delta > 1/2 Window (m)=manual int.

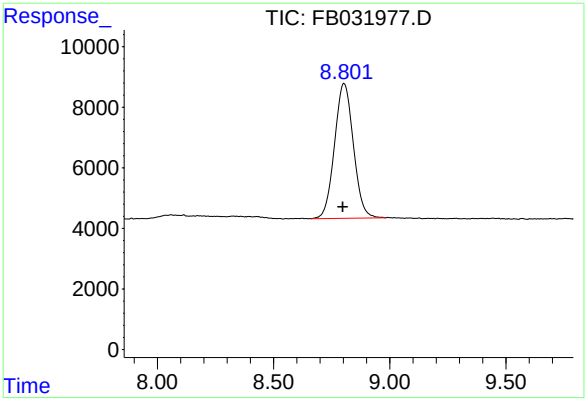
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB063025\
Data File : FB031977.D
Signal(s) : FID2B.CH
Acq On : 30 Jun 2025 16:04
Operator : YP/AJ
Sample : Q2458-04
Misc : 4.00G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-67

Integration File: Calibration.e
Quant Time: Jul 01 01:08:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
Quant Title :
QLast Update : Mon Jun 23 13:56:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#5 AAA-TFT

R.T.:	8.803 min
Delta R.T.:	0.005 min
Response:	251329
Conc:	16.29 ng/ml

Instrument :
FID_B
ClientSampleId :
TP-67

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB063025\
Data File : FB031977.D
Signal(s) : FID2B.CH
Acq On : 30 Jun 2025 16:04
Sample : Q2458-04
Misc : 4.00G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

Integration File: SAMPLE.e

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

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	% max.	% of total
1	4.715	4.690	4.735	PV	28	489	0.19%	0.094%
2	4.748	4.735	4.774	VV	24	363	0.14%	0.070%
3	4.782	4.774	4.813	VV	20	147	0.06%	0.028%
4	5.080	5.072	5.164	VV	139	3784	1.46%	0.726%
5	5.175	5.164	5.202	VV	35	486	0.19%	0.093%
6	5.208	5.202	5.214	VV	29	132	0.05%	0.025%
7	5.219	5.214	5.247	VV	22	177	0.07%	0.034%
8	5.572	5.550	5.586	VV	17	263	0.10%	0.050%
9	5.595	5.586	5.601	VV	22	116	0.04%	0.022%
10	5.612	5.601	5.626	VV	46	389	0.15%	0.075%
11	5.655	5.626	5.673	VV	43	715	0.27%	0.137%
12	5.687	5.673	5.702	VV	27	348	0.13%	0.067%
13	5.740	5.702	5.770	VV	39	879	0.34%	0.169%
14	5.782	5.770	5.790	PV	12	82	0.03%	0.016%
15	5.804	5.790	5.825	PV	41	401	0.15%	0.077%
16	5.855	5.825	5.873	VV	41	569	0.22%	0.109%
17	5.885	5.873	5.894	VV	42	262	0.10%	0.050%
18	5.905	5.894	5.921	VV	26	303	0.12%	0.058%
19	5.933	5.921	5.955	VV	27	373	0.14%	0.072%
20	5.967	5.955	5.995	VV	28	354	0.14%	0.068%
21	6.047	5.995	6.077	VV	30	954	0.37%	0.183%
22	6.097	6.077	6.109	VV	35	402	0.15%	0.077%
23	6.121	6.109	6.147	VV	29	431	0.17%	0.083%

24	6.171	6.147	6.180	VV	35	494	0.19%	0.095%
25	6.215	6.180	6.242	VV	41	1125	0.43%	0.216%
26	6.268	6.242	6.277	VV	34	562	0.22%	0.108%
27	6.378	6.277	6.385	VV	146	5331	2.05%	1.023%
28	6.392	6.385	6.430	VV	153	3304	1.27%	0.634%
29	6.434	6.430	6.524	VV	106	2937	1.13%	0.564%
30	6.541	6.524	6.551	VV	32	337	0.13%	0.065%
31	6.575	6.551	6.583	VV	28	424	0.16%	0.081%
32	6.601	6.583	6.607	VV	32	407	0.16%	0.078%
33	6.616	6.607	6.639	VV	50	631	0.24%	0.121%
34	6.649	6.639	6.676	VV	40	582	0.22%	0.112%
35	6.684	6.676	6.702	VV	39	442	0.17%	0.085%
36	6.711	6.702	6.720	VV	35	246	0.09%	0.047%
37	6.734	6.720	6.755	VV	39	503	0.19%	0.097%
38	6.764	6.755	6.783	VV	42	348	0.13%	0.067%
39	6.792	6.783	6.797	PV	19	96	0.04%	0.018%
40	6.809	6.797	6.819	VV	38	388	0.15%	0.074%
41	6.831	6.819	6.876	VV	38	1053	0.41%	0.202%
42	6.910	6.876	6.935	VV	45	854	0.33%	0.164%
43	6.949	6.935	6.974	VV	30	492	0.19%	0.094%
44	6.997	6.974	7.041	VV	35	983	0.38%	0.189%
45	7.059	7.041	7.076	VV	33	587	0.23%	0.113%
46	7.087	7.076	7.101	VV	42	418	0.16%	0.080%
47	7.113	7.101	7.145	VV	41	751	0.29%	0.144%
48	7.155	7.145	7.167	VV	30	333	0.13%	0.064%
49	7.182	7.167	7.212	VV	35	633	0.24%	0.122%
50	7.221	7.212	7.239	VV	24	306	0.12%	0.059%
51	7.255	7.239	7.286	VV	31	605	0.23%	0.116%
52	7.315	7.286	7.325	VV	33	461	0.18%	0.088%
53	7.335	7.325	7.353	VV	41	481	0.18%	0.092%
54	7.382	7.353	7.403	VV	31	746	0.29%	0.143%
55	7.430	7.403	7.449	VV	47	892	0.34%	0.171%
56	7.463	7.449	7.474	VV	34	408	0.16%	0.078%
57	7.485	7.474	7.505	VV	38	607	0.23%	0.117%
58	7.517	7.505	7.527	VV	41	455	0.17%	0.087%
59	7.536	7.527	7.543	VV	41	315	0.12%	0.061%
60	7.553	7.543	7.586	VV	41	881	0.34%	0.169%
61	7.619	7.586	7.628	VV	42	825	0.32%	0.158%
62	7.636	7.628	7.644	VV	39	356	0.14%	0.068%

63	7.650	7.644	7.665	VV	39	423	0.16%	0.081%
64	7.674	7.665	7.694	VV	35	512	0.20%	0.098%
65	7.704	7.694	7.735	VV	45	672	0.26%	0.129%
66	7.763	7.735	7.789	VV	33	751	0.29%	0.144%
67	7.800	7.789	7.811	VV	30	300	0.12%	0.058%
68	7.838	7.811	7.880	VV	44	1200	0.46%	0.230%
69	7.890	7.880	7.899	VV	52	433	0.17%	0.083%
70	7.914	7.899	7.922	VV	40	470	0.18%	0.090%
71	7.936	7.922	7.953	VV	40	689	0.26%	0.132%
72	8.036	7.953	8.043	VV	149	4760	1.83%	0.914%
73	8.060	8.043	8.103	VV	164	5314	2.04%	1.020%
74	8.114	8.103	8.137	VV	165	2782	1.07%	0.534%
75	8.156	8.137	8.163	VV	129	1940	0.75%	0.372%
76	8.173	8.163	8.181	VV	136	1389	0.53%	0.267%
77	8.186	8.181	8.194	VV	130	972	0.37%	0.187%
78	8.202	8.194	8.211	VV	128	1209	0.46%	0.232%
79	8.219	8.211	8.298	VV	120	5604	2.16%	1.076%
80	8.327	8.298	8.383	VV	119	5456	2.10%	1.047%
81	8.393	8.383	8.410	VV	108	1648	0.63%	0.316%
82	8.428	8.410	8.517	VV	106	4439	1.71%	0.852%
83	8.526	8.517	8.541	VV	39	480	0.18%	0.092%
84	8.555	8.541	8.566	VV	35	438	0.17%	0.084%
85	8.576	8.566	8.584	VV	38	355	0.14%	0.068%
86	8.625	8.584	8.635	VV	46	1142	0.44%	0.219%
87	8.643	8.635	8.662	VV	36	531	0.20%	0.102%
88	8.803	8.662	8.985	VV	4497	259986	100.00%	49.909%
89	8.992	8.985	9.013	VV	75	1091	0.42%	0.209%
90	9.021	9.013	9.031	VV	67	639	0.25%	0.123%
91	9.038	9.031	9.064	VV	57	1054	0.41%	0.202%
92	9.090	9.064	9.110	VV	56	1328	0.51%	0.255%
93	9.127	9.110	9.142	VV	56	818	0.31%	0.157%
94	9.189	9.142	9.197	VV	43	1214	0.47%	0.233%
95	9.207	9.197	9.248	VV	45	1042	0.40%	0.200%
96	9.287	9.248	9.306	VV	45	1185	0.46%	0.227%
97	9.320	9.306	9.346	VV	32	643	0.25%	0.123%
98	9.359	9.346	9.380	VV	41	666	0.26%	0.128%
99	9.393	9.380	9.427	VV	41	959	0.37%	0.184%
100	9.446	9.427	9.457	VV	48	728	0.28%	0.140%
101	9.469	9.457	9.479	VV	40	446	0.17%	0.086%

102	9.492	9.479	9.501	VV	31	346	0.13%	0.066%
103	9.514	9.501	9.528	VV	27	327	0.13%	0.063%
104	9.536	9.528	9.555	VV	28	311	0.12%	0.060%
105	9.572	9.555	9.594	VV	36	515	0.20%	0.099%
106	9.603	9.594	9.616	VV	26	257	0.10%	0.049%
107	9.625	9.616	9.632	VV	27	211	0.08%	0.040%
108	9.639	9.632	9.682	VV	27	656	0.25%	0.126%
109	9.691	9.682	9.720	VV	36	576	0.22%	0.111%
110	9.760	9.720	9.786	VV	40	1119	0.43%	0.215%
111	9.806	9.786	9.818	VV	41	591	0.23%	0.113%
112	9.830	9.818	9.850	VV	28	371	0.14%	0.071%
113	9.937	9.850	9.968	VV	41	2046	0.79%	0.393%
114	9.983	9.968	10.006	VV	38	599	0.23%	0.115%
115	10.022	10.006	10.039	VV	32	485	0.19%	0.093%
116	10.051	10.039	10.080	VV	41	655	0.25%	0.126%
117	10.088	10.080	10.106	VV	38	304	0.12%	0.058%
118	10.124	10.106	10.154	VV	38	687	0.26%	0.132%
119	10.166	10.154	10.179	VV	33	370	0.14%	0.071%
120	10.198	10.179	10.207	VV	27	326	0.13%	0.062%
121	10.235	10.207	10.253	VV	41	742	0.29%	0.143%
122	10.266	10.253	10.303	VV	45	1012	0.39%	0.194%
123	10.334	10.303	10.346	VV	62	1207	0.46%	0.232%
124	10.380	10.346	10.400	VV	80	2310	0.89%	0.443%
125	10.417	10.400	10.511	VV	89	4107	1.58%	0.788%
126	10.523	10.511	10.541	VV	50	701	0.27%	0.135%
127	10.563	10.541	10.578	VV	47	829	0.32%	0.159%
128	10.590	10.578	10.601	VV	49	605	0.23%	0.116%
129	10.616	10.601	10.626	VV	66	791	0.30%	0.152%
130	10.636	10.626	10.695	VV	66	1841	0.71%	0.353%
131	10.749	10.695	10.765	VV	46	1331	0.51%	0.256%
132	10.788	10.765	10.807	VV	58	1059	0.41%	0.203%
133	10.816	10.807	10.847	VV	63	917	0.35%	0.176%
134	10.853	10.847	10.878	VV	41	538	0.21%	0.103%
135	10.887	10.878	10.908	VV	31	428	0.16%	0.082%
136	10.918	10.908	10.933	VV	26	330	0.13%	0.063%
137	10.953	10.933	10.961	VV	31	423	0.16%	0.081%
138	10.970	10.961	10.981	VV	34	285	0.11%	0.055%
139	10.992	10.981	11.013	VV	41	536	0.21%	0.103%
140	11.029	11.013	11.065	VV	34	729	0.28%	0.140%

141	11.070	11.065	11.085	VV	19	197	0.08%	0.038%
142	11.100	11.085	11.128	VV	24	479	0.18%	0.092%
143	11.215	11.128	11.243	VV	31	1416	0.54%	0.272%
144	11.254	11.243	11.263	VV	25	243	0.09%	0.047%
145	11.268	11.263	11.277	VV	23	142	0.05%	0.027%
146	11.304	11.277	11.333	VV	35	578	0.22%	0.111%
147	11.353	11.333	11.404	VV	32	1007	0.39%	0.193%
148	11.419	11.404	11.434	VV	33	454	0.17%	0.087%
149	11.442	11.434	11.470	VV	26	516	0.20%	0.099%
150	11.493	11.470	11.551	VV	40	1284	0.49%	0.247%
151	11.575	11.551	11.590	VV	34	583	0.22%	0.112%
152	11.610	11.590	11.617	VV	22	216	0.08%	0.042%
153	11.629	11.617	11.640	VV	39	321	0.12%	0.062%
154	11.664	11.640	11.719	VV	40	1194	0.46%	0.229%
155	11.743	11.719	11.753	PV	32	366	0.14%	0.070%
156	11.797	11.753	11.807	VV	34	754	0.29%	0.145%
157	11.816	11.807	11.842	VV	35	660	0.25%	0.127%
158	11.864	11.842	11.874	VV	62	841	0.32%	0.161%
159	11.882	11.874	11.894	VV	55	639	0.25%	0.123%
160	11.902	11.894	11.969	VV	50	1601	0.62%	0.307%
161	11.978	11.969	11.999	VV	23	321	0.12%	0.062%
162	12.017	11.999	12.027	VV	33	336	0.13%	0.064%
163	12.037	12.027	12.046	VV	27	189	0.07%	0.036%
164	12.071	12.046	12.093	VV	27	493	0.19%	0.095%
165	12.123	12.093	12.144	VV	29	742	0.29%	0.143%
166	12.157	12.144	12.173	VV	53	539	0.21%	0.104%
167	12.183	12.173	12.200	VV	25	319	0.12%	0.061%
168	12.215	12.200	12.238	VV	34	560	0.22%	0.107%
169	12.277	12.238	12.307	VV	42	1177	0.45%	0.226%
170	12.316	12.307	12.340	VV	31	376	0.14%	0.072%
171	12.384	12.340	12.392	VV	30	624	0.24%	0.120%
172	12.400	12.392	12.408	VV	37	267	0.10%	0.051%
173	12.417	12.408	12.432	VV	39	361	0.14%	0.069%
174	12.446	12.432	12.469	PV	23	386	0.15%	0.074%
175	12.497	12.469	12.507	VV	35	462	0.18%	0.089%
176	12.520	12.507	12.535	VV	41	423	0.16%	0.081%
177	12.551	12.535	12.560	VV	37	383	0.15%	0.074%
178	12.581	12.560	12.589	VV	30	457	0.18%	0.088%
179	12.609	12.589	12.624	VV	38	606	0.23%	0.116%
180	12.640	12.624	12.664	VV	40	752	0.29%	0.144%

181	12.678	12.664	12.703	VV	41	747	0.29%	0.143%
182	12.737	12.703	12.754	VV	45	1175	0.45%	0.225%
183	12.766	12.754	12.793	VV	51	895	0.34%	0.172%
184	12.809	12.793	12.842	VV	40	860	0.33%	0.165%
185	12.867	12.842	12.876	VV	56	959	0.37%	0.184%
186	12.892	12.876	12.902	VV	61	793	0.31%	0.152%
187	12.929	12.902	12.974	VV	84	2142	0.82%	0.411%
188	12.993	12.974	13.001	VV	42	506	0.19%	0.097%
189	13.024	13.001	13.049	VV	55	1195	0.46%	0.229%
190	13.069	13.049	13.117	VV	48	1507	0.58%	0.289%
191	13.138	13.117	13.162	VV	43	1013	0.39%	0.194%
192	13.188	13.162	13.198	VV	81	1292	0.50%	0.248%
193	13.211	13.198	13.242	VV	86	1501	0.58%	0.288%
194	13.257	13.242	13.289	VV	39	675	0.26%	0.130%
195	13.323	13.289	13.346	VV	37	712	0.27%	0.137%
196	13.368	13.346	13.404	VV	27	558	0.21%	0.107%
197	13.413	13.404	13.444	VV	19	339	0.13%	0.065%
198	13.467	13.444	13.475	VV	22	298	0.11%	0.057%
199	13.510	13.475	13.520	VV	28	596	0.23%	0.114%
200	13.571	13.520	13.589	VV	38	1077	0.41%	0.207%
201	13.600	13.589	13.617	VV	35	326	0.13%	0.063%
202	13.630	13.617	13.654	VV	34	476	0.18%	0.091%
203	13.696	13.654	13.710	VV	40	708	0.27%	0.136%
204	13.754	13.710	13.781	VV	35	1029	0.40%	0.197%
205	13.794	13.781	13.803	VV	42	434	0.17%	0.083%
206	13.818	13.803	13.829	VV	37	468	0.18%	0.090%
207	13.840	13.829	13.861	VV	37	650	0.25%	0.125%
208	13.879	13.861	13.889	VV	55	766	0.29%	0.147%
209	13.929	13.889	13.939	VV	66	1592	0.61%	0.306%
210	13.948	13.939	13.955	VV	65	558	0.21%	0.107%
211	13.973	13.955	13.989	VV	68	1348	0.52%	0.259%
212	14.110	13.989	14.117	VV	288	12336	4.74%	2.368%
213	14.129	14.117	14.332	VV	297	16302	6.27%	3.129%
214	14.354	14.332	14.363	VV	24	340	0.13%	0.065%
215	14.374	14.363	14.382	VV	35	295	0.11%	0.057%
216	14.404	14.382	14.429	VV	50	1009	0.39%	0.194%
217	14.445	14.429	14.454	VV	32	394	0.15%	0.076%
218	14.468	14.454	14.477	VV	40	381	0.15%	0.073%
219	14.490	14.477	14.504	VV	24	327	0.13%	0.063%

220	14.511	14.504	14.521	VV	26	211	0.08%	0.040%
221	14.545	14.521	14.558	VV	36	556	0.21%	0.107%
222	14.595	14.558	14.616	VV	29	748	0.29%	0.144%
223	14.634	14.616	14.659	VV	38	597	0.23%	0.115%
224	14.672	14.659	14.681	VV	33	340	0.13%	0.065%
225	14.693	14.681	14.707	VV	35	442	0.17%	0.085%
226	14.723	14.707	14.738	VV	47	534	0.21%	0.103%
227	14.755	14.738	14.784	PV	24	434	0.17%	0.083%
228	14.794	14.784	14.828	VV	17	307	0.12%	0.059%
229	14.879	14.828	14.902	VV	45	910	0.35%	0.175%
230	14.911	14.902	14.918	VV	20	178	0.07%	0.034%
231	14.940	14.918	14.967	VV	35	673	0.26%	0.129%
232	14.975	14.967	14.986	VV	28	204	0.08%	0.039%
233	15.051	14.986	15.110	VV	124	5333	2.05%	1.024%
234	15.120	15.110	15.167	VV	39	875	0.34%	0.168%
235	15.176	15.167	15.184	VV	30	260	0.10%	0.050%
236	15.192	15.184	15.209	VV	29	306	0.12%	0.059%
237	15.229	15.209	15.240	VV	25	363	0.14%	0.070%
238	15.257	15.240	15.274	VV	30	391	0.15%	0.075%
239	15.293	15.274	15.311	VV	18	268	0.10%	0.052%
240	15.384	15.311	15.393	PV	42	1132	0.44%	0.217%
241	15.426	15.393	15.476	VV	61	2063	0.79%	0.396%
242	15.501	15.476	15.528	VV	55	1324	0.51%	0.254%
243	15.554	15.528	15.573	VV	67	1078	0.41%	0.207%
244	15.596	15.573	15.605	VV	51	665	0.26%	0.128%
245	15.697	15.605	15.707	VV	59	2584	0.99%	0.496%
246	15.788	15.707	15.884	VV	85	7174	2.76%	1.377%
247	15.892	15.884	15.910	VV	56	763	0.29%	0.146%
248	15.944	15.910	15.957	VV	56	1320	0.51%	0.253%
249	15.967	15.957	16.038	VV	54	1234	0.47%	0.237%
250	16.069	16.038	16.093	VV	23	518	0.20%	0.099%
251	16.102	16.093	16.129	VV	24	321	0.12%	0.062%
252	16.138	16.129	16.145	VV	23	201	0.08%	0.039%
253	16.208	16.145	16.216	VV	68	2011	0.77%	0.386%
254	16.225	16.216	16.297	VV	65	2046	0.79%	0.393%
255	16.308	16.297	16.321	VV	17	173	0.07%	0.033%
256	16.330	16.321	16.340	VV	11	104	0.04%	0.020%
257	16.351	16.340	16.363	VV	18	161	0.06%	0.031%
258	16.372	16.363	16.386	VV	24	192	0.07%	0.037%

259	16.443	16.386	16.452	VV	35	995	0.38%	0.191%
260	16.473	16.452	16.517	VV	47	1183	0.46%	0.227%
261	16.542	16.517	16.551	VV	33	449	0.17%	0.086%
262	16.557	16.551	16.583	VV	28	283	0.11%	0.054%
263	16.603	16.583	16.618	VV	28	326	0.13%	0.063%
264	16.658	16.618	16.667	PV	26	432	0.17%	0.083%
265	16.683	16.667	16.694	VV	32	291	0.11%	0.056%
266	16.708	16.694	16.732	VV	25	411	0.16%	0.079%
267	16.749	16.732	16.760	VV	23	302	0.12%	0.058%
268	16.801	16.760	16.814	VV	33	685	0.26%	0.131%
269	16.822	16.814	16.838	VV	42	481	0.18%	0.092%
270	16.864	16.838	16.878	VV	58	1061	0.41%	0.204%
271	16.885	16.878	16.897	VV	63	523	0.20%	0.100%
272	16.905	16.897	16.920	VV	45	441	0.17%	0.085%
273	16.926	16.920	16.951	VV	30	431	0.17%	0.083%
274	16.959	16.951	16.984	VV	30	286	0.11%	0.055%
275	17.001	16.984	17.040	PV	25	237	0.09%	0.046%
276	17.060	17.040	17.072	PV	10	71	0.03%	0.014%

Sum of corrected areas: 520923

FB062325.M Tue Jul 01 01:47:09 2025

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-66	SDG No.:	Q2458
Lab Sample ID:	Q2458-05	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	88.3 Decanted:
Sample Wt/Vol:	5.18 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
FB031978.D	1	06/30/25 16:31	FB063025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	13.0	J	9.00	49.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	14.9		50 - 150	75%	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 : FB031978.D
Signal(s) : FID2B.CH
Acq On : 30 Jun 2025 16:31
Operator : YP/AJ
Sample : Q2458-05
Misc : 5.18G/5.00 ML DI WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-66

Integration File: Calibration.e
Quant Time: Jul 01 01:08:08 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	8.804	230190	14.920 ng/ml
Target Compounds			

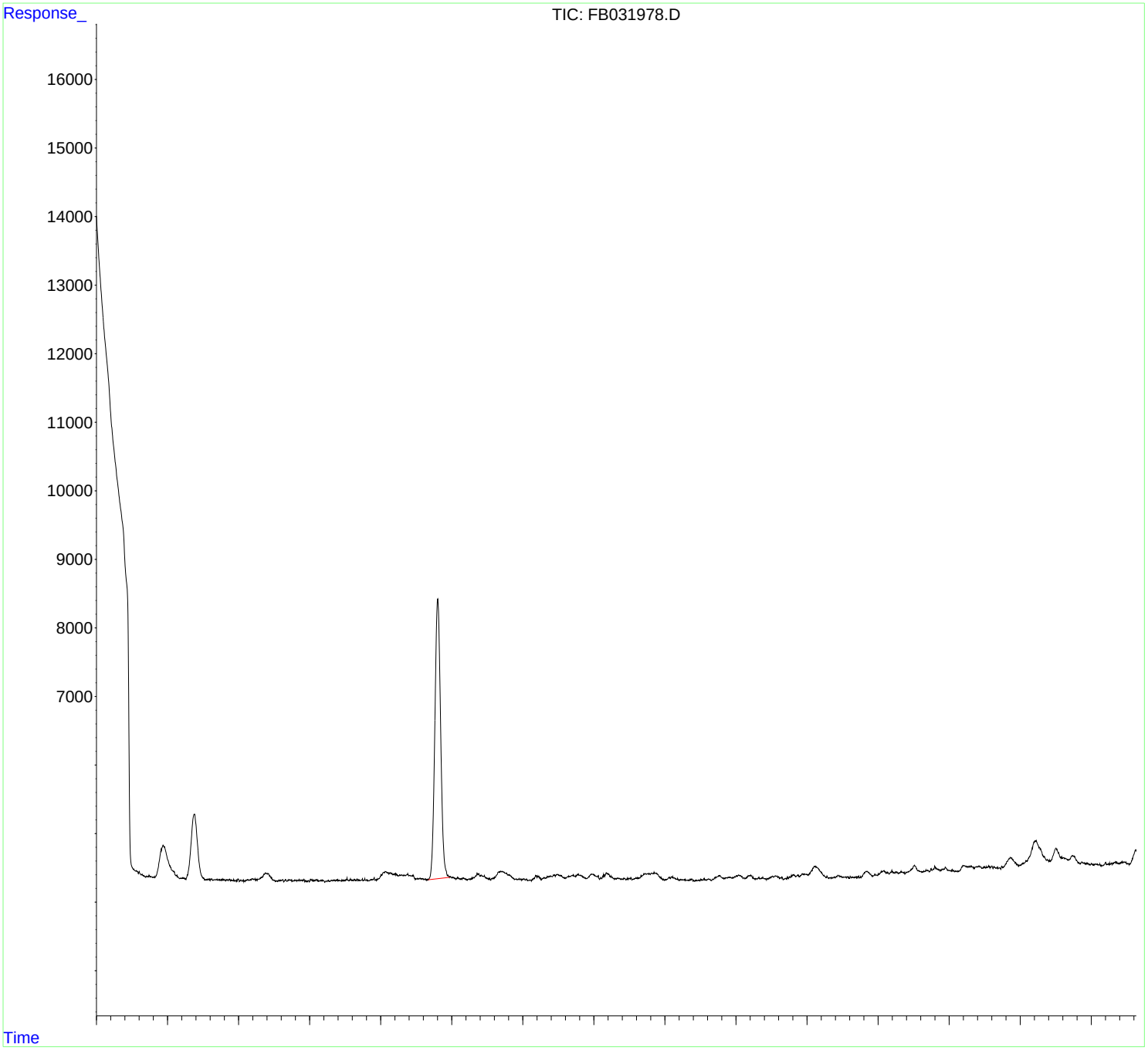
(f)=RT Delta > 1/2 Window (m)=manual int.

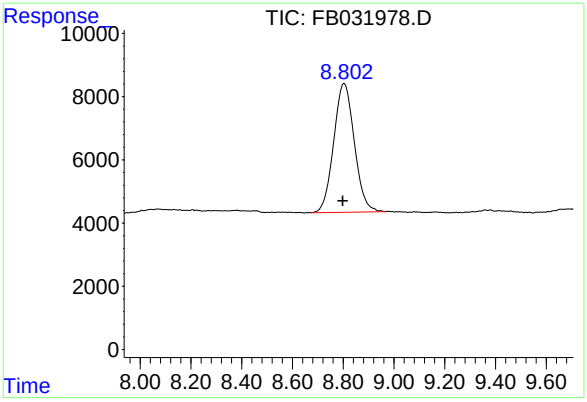
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB063025\
Data File : FB031978.D
Signal(s) : FID2B.CH
Acq On : 30 Jun 2025 16:31
Operator : YP/AJ
Sample : Q2458-05
Misc : 5.18G/5.00 ML DI WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-66

Integration File: Calibration.e
Quant Time: Jul 01 01:08:08 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.:	8.804 min
Delta R.T.:	0.006 min
Response:	230190
Conc:	14.92 ng/ml

Instrument :
FID_B
ClientSampleId :
TP-66

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB063025\
Data File : FB031978.D
Signal(s) : FID2B.CH
Acq On : 30 Jun 2025 16:31
Sample : Q2458-05
Misc : 5.18G/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	4.708	4.693	4.719	PV	18	174	0.07%	0.030%
2	4.726	4.719	4.732	VV	12	71	0.03%	0.012%
3	4.742	4.732	4.761	VV	26	248	0.10%	0.043%
4	4.769	4.761	4.809	VV	16	168	0.07%	0.029%
5	5.203	5.173	5.210	VV	11	167	0.07%	0.029%
6	5.230	5.210	5.239	VV	17	187	0.08%	0.032%
7	5.553	5.544	5.567	VV	12	113	0.05%	0.019%
8	5.578	5.567	5.589	VV	21	156	0.06%	0.027%
9	5.598	5.589	5.640	PV	15	339	0.14%	0.058%
10	5.680	5.640	5.688	PV	15	271	0.11%	0.047%
11	5.698	5.688	5.710	VV	21	153	0.06%	0.026%
12	5.728	5.710	5.737	VV	20	207	0.08%	0.035%
13	5.778	5.737	5.787	VV	28	399	0.16%	0.069%
14	5.796	5.787	5.818	VV	26	244	0.10%	0.042%
15	5.829	5.818	5.838	PV	15	147	0.06%	0.025%
16	5.846	5.838	5.856	VV	21	167	0.07%	0.029%
17	5.872	5.856	5.885	VV	28	318	0.13%	0.055%
18	5.901	5.885	5.918	VV	18	222	0.09%	0.038%
19	5.931	5.918	5.944	VV	25	183	0.08%	0.031%
20	5.956	5.944	5.965	VV	14	127	0.05%	0.022%
21	5.972	5.965	5.979	VV	20	94	0.04%	0.016%
22	5.994	5.979	6.020	PV	37	516	0.21%	0.089%
23	6.035	6.020	6.052	VV	21	260	0.11%	0.045%

24	6.135	6.052	6.163	VV	29	1141	0.47%	0.196%
25	6.193	6.163	6.265	VV	42	1998	0.82%	0.343%
26	6.380	6.265	6.552	VV	129	10930	4.49%	1.877%
27	6.621	6.552	6.641	VV	35	1112	0.46%	0.191%
28	6.662	6.641	6.682	VV	29	508	0.21%	0.087%
29	6.717	6.682	6.764	VV	36	1148	0.47%	0.197%
30	6.793	6.764	6.845	VV	29	1072	0.44%	0.184%
31	6.853	6.845	6.959	VV	43	1722	0.71%	0.296%
32	6.984	6.959	6.998	VV	24	368	0.15%	0.063%
33	7.020	6.998	7.056	VV	44	958	0.39%	0.164%
34	7.095	7.056	7.131	VV	43	1244	0.51%	0.214%
35	7.190	7.131	7.216	VV	28	1135	0.47%	0.195%
36	7.268	7.216	7.287	PV	30	771	0.32%	0.132%
37	7.338	7.287	7.369	VV	37	1287	0.53%	0.221%
38	7.394	7.369	7.449	VV	46	1317	0.54%	0.226%
39	7.527	7.449	7.553	VV	61	1933	0.79%	0.332%
40	7.575	7.553	7.610	VV	48	1060	0.44%	0.182%
41	7.633	7.610	7.657	VV	41	894	0.37%	0.153%
42	7.668	7.657	7.709	VV	48	1034	0.43%	0.178%
43	7.742	7.709	7.756	VV	45	872	0.36%	0.150%
44	7.778	7.756	7.794	VV	48	717	0.29%	0.123%
45	7.805	7.794	7.838	VV	32	714	0.29%	0.123%
46	7.908	7.838	7.941	VV	58	2270	0.93%	0.390%
47	8.070	7.941	8.194	VV	154	16941	6.96%	2.909%
48	8.207	8.194	8.249	VV	131	3608	1.48%	0.620%
49	8.270	8.249	8.323	VV	108	4424	1.82%	0.760%
50	8.335	8.323	8.347	VV	103	1429	0.59%	0.245%
51	8.381	8.347	8.434	VV	119	5179	2.13%	0.889%
52	8.455	8.434	8.512	VV	99	3238	1.33%	0.556%
53	8.558	8.512	8.610	VV	58	2873	1.18%	0.493%
54	8.628	8.610	8.649	VV	46	898	0.37%	0.154%
55	8.804	8.649	9.057	VV	4131	243269	100.00%	41.777%
56	9.082	9.057	9.121	VV	67	2024	0.83%	0.348%
57	9.163	9.121	9.217	VV	59	2625	1.08%	0.451%
58	9.380	9.217	9.400	VV	123	7511	3.09%	1.290%
59	9.415	9.400	9.516	VV	101	5107	2.10%	0.877%
60	9.533	9.516	9.553	VV	52	857	0.35%	0.147%
61	9.690	9.553	9.885	VV	152	19818	8.15%	3.403%
62	9.908	9.885	9.934	VV	42	1085	0.45%	0.186%

63	9.949	9.934	9.963	VV	41	634	0.26%	0.109%
64	9.973	9.963	10.003	VV	43	801	0.33%	0.137%
65	10.018	10.003	10.035	VV	46	684	0.28%	0.117%
66	10.049	10.035	10.076	VV	40	707	0.29%	0.121%
67	10.104	10.076	10.120	VV	27	587	0.24%	0.101%
68	10.185	10.120	10.266	VV	91	5033	2.07%	0.864%
69	10.310	10.266	10.324	VV	61	1745	0.72%	0.300%
70	10.390	10.324	10.416	VV	86	3962	1.63%	0.680%
71	10.446	10.416	10.460	VV	99	2340	0.96%	0.402%
72	10.490	10.460	10.597	VV	108	6784	2.79%	1.165%
73	10.710	10.597	10.741	VV	99	6566	2.70%	1.128%
74	10.778	10.741	10.897	VV	105	7385	3.04%	1.268%
75	10.973	10.897	11.081	VV	110	8780	3.61%	1.508%
76	11.177	11.081	11.320	VV	130	10284	4.23%	1.766%
77	11.332	11.320	11.415	VV	48	2240	0.92%	0.385%
78	11.427	11.415	11.454	VV	48	904	0.37%	0.155%
79	11.523	11.454	11.541	VV	58	1992	0.82%	0.342%
80	11.723	11.541	11.741	VV	116	7773	3.20%	1.335%
81	11.758	11.741	11.796	VV	115	3634	1.49%	0.624%
82	11.813	11.796	11.835	VV	122	2686	1.10%	0.461%
83	11.850	11.835	11.990	VV	133	7355	3.02%	1.263%
84	12.061	11.990	12.077	VV	55	1846	0.76%	0.317%
85	12.094	12.077	12.172	VV	68	2743	1.13%	0.471%
86	12.178	12.172	12.199	VV	40	428	0.18%	0.074%
87	12.225	12.199	12.311	VV	30	1351	0.56%	0.232%
88	12.325	12.311	12.342	VV	15	262	0.11%	0.045%
89	12.380	12.342	12.415	VV	33	816	0.34%	0.140%
90	12.440	12.415	12.459	PV	13	252	0.10%	0.043%
91	12.553	12.459	12.587	VV	34	1261	0.52%	0.217%
92	12.616	12.587	12.655	VV	31	845	0.35%	0.145%
93	12.773	12.655	12.845	VV	78	5289	2.17%	0.908%
94	12.864	12.845	12.878	VV	45	793	0.33%	0.136%
95	12.912	12.878	12.942	VV	52	1745	0.72%	0.300%
96	13.038	12.942	13.128	VV	82	6066	2.49%	1.042%
97	13.207	13.128	13.272	VV	77	4010	1.65%	0.689%
98	13.284	13.272	13.299	VV	24	314	0.13%	0.054%
99	13.320	13.299	13.355	VV	34	857	0.35%	0.147%
100	13.379	13.355	13.433	VV	37	1060	0.44%	0.182%
101	13.516	13.433	13.531	VV	58	1973	0.81%	0.339%

102	13.555	13.531	13.625	VV	60	2531	1.04%	0.435%
103	13.647	13.625	13.667	VV	38	617	0.25%	0.106%
104	13.814	13.667	13.845	PV	70	3814	1.57%	0.655%
105	13.873	13.845	13.894	VV	63	1556	0.64%	0.267%
106	13.939	13.894	14.016	VV	83	4963	2.04%	0.852%
107	14.115	14.016	14.276	VV	185	17376	7.14%	2.984%
108	14.283	14.276	14.308	VV	39	426	0.18%	0.073%
109	14.382	14.308	14.397	VV	25	820	0.34%	0.141%
110	14.438	14.397	14.502	VV	51	1986	0.82%	0.341%
111	14.516	14.502	14.555	VV	25	641	0.26%	0.110%
112	14.569	14.555	14.599	VV	26	422	0.17%	0.073%
113	14.611	14.599	14.704	PV	26	882	0.36%	0.151%
114	14.724	14.704	14.744	PV	28	301	0.12%	0.052%
115	14.838	14.744	14.926	VV	92	5656	2.33%	0.971%
116	14.958	14.926	14.992	VV	44	1099	0.45%	0.189%
117	15.080	14.992	15.114	VV	86	4406	1.81%	0.757%
118	15.136	15.114	15.155	VV	57	1211	0.50%	0.208%
119	15.196	15.155	15.227	VV	83	2333	0.96%	0.401%
120	15.250	15.227	15.289	VV	55	1736	0.71%	0.298%
121	15.325	15.289	15.383	VV	61	2323	0.95%	0.399%
122	15.512	15.383	15.637	VV	134	9963	4.10%	1.711%
123	15.677	15.637	15.725	VV	59	2225	0.91%	0.382%
124	15.801	15.725	15.893	VV	98	5825	2.39%	1.000%
125	15.949	15.893	16.026	VV	80	3689	1.52%	0.634%
126	16.045	16.026	16.124	VV	28	963	0.40%	0.165%
127	16.200	16.124	16.291	VV	88	5698	2.34%	0.979%
128	16.310	16.291	16.358	VV	77	2369	0.97%	0.407%
129	16.426	16.358	16.465	VV	68	3469	1.43%	0.596%
130	16.556	16.465	16.583	VV	60	2920	1.20%	0.501%
131	16.602	16.583	16.656	VV	58	1584	0.65%	0.272%
132	16.679	16.656	16.692	VV	34	486	0.20%	0.084%
133	16.708	16.692	16.728	VV	21	349	0.14%	0.060%
134	16.863	16.728	17.006	PV	146	10851	4.46%	1.863%

Sum of corrected areas: 582297

FB062325.M Tue Jul 01 01:47:50 2025

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-60	SDG No.:	Q2458
Lab Sample ID:	Q2458-06	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	92.5 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
FB031979.D	1	06/30/25 16:59	FB063025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	11.0	J	9.00	49.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	18.7		50 - 150	94%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB063025\
Data File : FB031979.D
Signal(s) : FID2B.CH
Acq On : 30 Jun 2025 16:59
Operator : YP/AJ
Sample : Q2458-06
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-60

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/01/2025
Supervised By :mohammad ahmed 07/01/2025

Integration File: Calibration.e
Quant Time: Jul 01 01:08:14 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	288538	18.702 ng/mlm
Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB063025\
Data File : FB031979.D
Signal(s) : FID2B.CH
Acq On : 30 Jun 2025 16:59
Operator : YP/AJ
Sample : Q2458-06
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 10 Sample Multiplier: 1

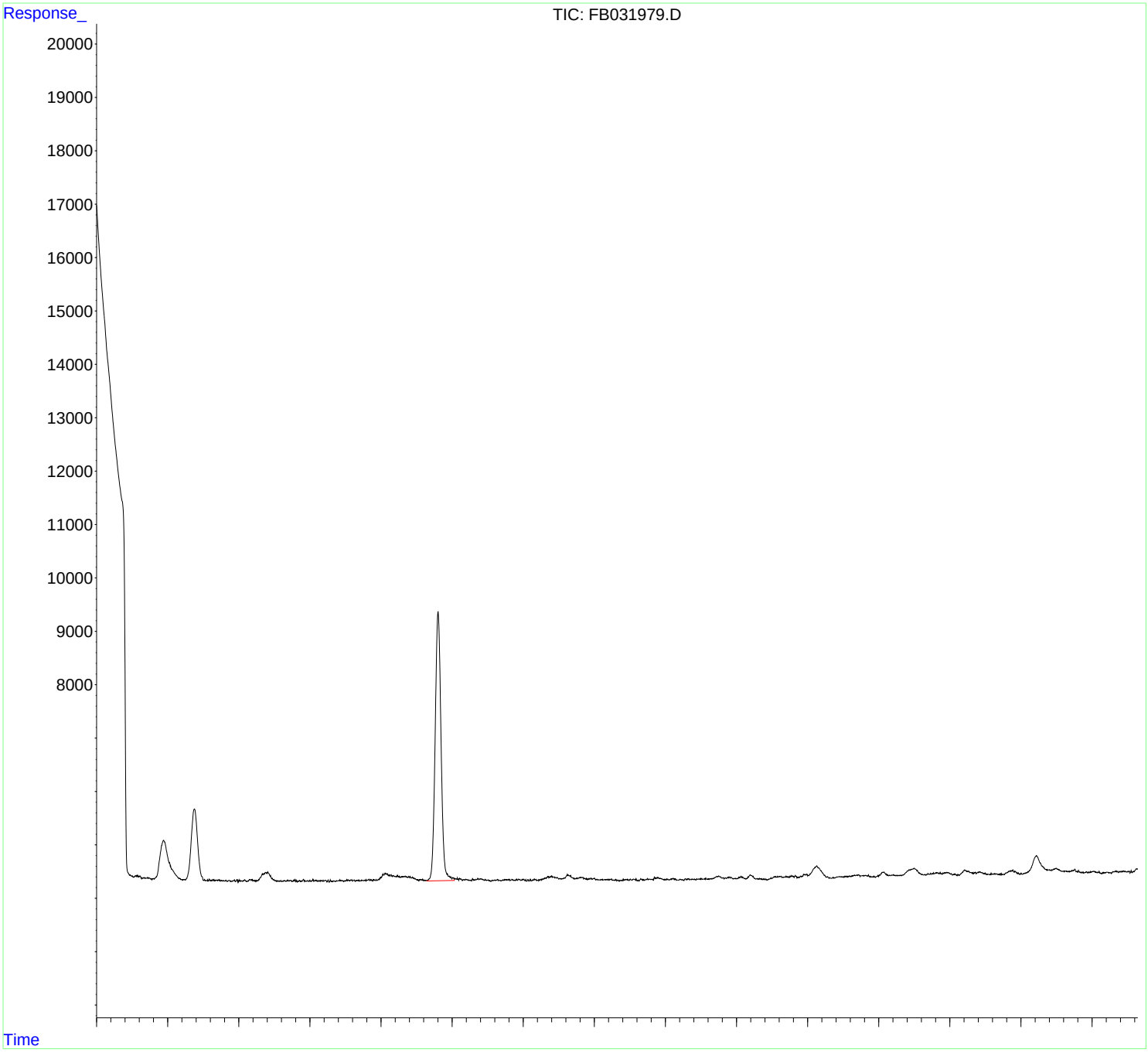
Integration File: Calibration.e
Quant Time: Jul 01 01:08:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
Quant Title :
QLast Update : Mon Jun 23 13:56:54 2025
Response via : Initial Calibration
Integrator: ChemStation

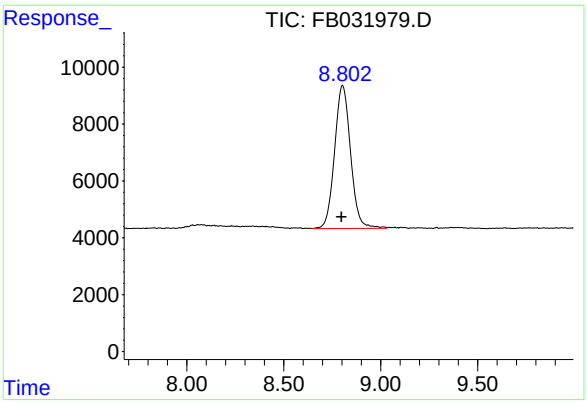
Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um

Instrument :
FID_B
ClientSampleId :
TP-60

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/01/2025
Supervised By :mohammad ahmed 07/01/2025





#5 AAA-TFT

R.T.:	8.802 min
Delta R.T.:	0.004 min
Response:	288538
Conc:	18.70 ng/ml

Instrument :
FID_B
ClientSampleId :
TP-60

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/01/2025
Supervised By :mohammad ahmed 07/01/2025

Instrument :
FID_B
ClientSampleId :
TP-60

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/01/2025
Supervised By :mohammad ahmed 07/01/2025

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB063025\
Data File : FB031979.D
Signal(s) : FID2B.CH
Acq On : 30 Jun 2025 16:59
Sample : Q2458-06
Misc : 5.00G/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	4.719	4.700	4.728	PV	24	145	0.05%	0.025%
2	4.737	4.728	4.767	VV	19	257	0.09%	0.044%
3	4.801	4.767	4.812	PV	16	229	0.08%	0.039%
4	5.169	5.161	5.216	VV	36	607	0.21%	0.104%
5	5.236	5.216	5.245	VV	17	213	0.07%	0.036%
6	5.518	5.511	5.553	VV	24	290	0.10%	0.050%
7	5.562	5.553	5.574	VV	24	115	0.04%	0.020%
8	5.586	5.574	5.603	VV	34	293	0.10%	0.050%
9	5.641	5.603	5.676	VV	32	756	0.26%	0.129%
10	5.686	5.676	5.703	VV	23	313	0.11%	0.054%
11	5.732	5.703	5.743	VV	31	503	0.17%	0.086%
12	5.758	5.743	5.779	VV	21	310	0.11%	0.053%
13	5.787	5.779	5.805	VV	20	205	0.07%	0.035%
14	5.820	5.805	5.842	VV	27	342	0.12%	0.059%
15	5.864	5.842	5.901	VV	26	537	0.18%	0.092%
16	5.911	5.901	5.916	VV	19	109	0.04%	0.019%
17	5.937	5.916	5.953	VV	36	494	0.17%	0.085%
18	5.976	5.953	5.985	VV	49	457	0.16%	0.078%
19	5.991	5.985	5.999	VV	32	156	0.05%	0.027%
20	6.012	5.999	6.031	PV	37	353	0.12%	0.060%
21	6.044	6.031	6.055	VV	24	264	0.09%	0.045%
22	6.083	6.055	6.119	VV	41	876	0.30%	0.150%
23	6.127	6.119	6.134	VV	19	144	0.05%	0.025%

Instrument :
FID_B
ClientSampleId :
TP-60

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/01/2025
Supervised By :mohammad ahmed 07/01/2025

24	6.155	6.134	6.175	VV	49	915	0.31%	0.156%
25	6.187	6.175	6.208	VV	50	728	0.25%	0.125%
26	6.220	6.208	6.242	VV	31	471	0.16%	0.081%
27	6.252	6.242	6.268	VV	31	367	0.13%	0.063%
28	6.379	6.268	6.394	VV	183	8863	3.04%	1.516%
29	6.409	6.394	6.464	VV	185	5830	2.00%	0.998%
30	6.471	6.464	6.546	VV	74	1731	0.59%	0.296%
31	6.557	6.546	6.569	VV	25	244	0.08%	0.042%
32	6.591	6.569	6.600	VV	26	315	0.11%	0.054%
33	6.644	6.600	6.671	VV	30	813	0.28%	0.139%
34	6.689	6.671	6.756	VV	34	1215	0.42%	0.208%
35	6.774	6.756	6.783	VV	42	394	0.14%	0.067%
36	6.794	6.783	6.805	VV	44	373	0.13%	0.064%
37	6.814	6.805	6.824	VV	29	167	0.06%	0.029%
38	6.834	6.824	6.845	PV	21	154	0.05%	0.026%
39	6.856	6.845	6.889	VV	29	509	0.17%	0.087%
40	6.910	6.889	6.947	VV	54	947	0.32%	0.162%
41	6.965	6.947	6.979	VV	29	373	0.13%	0.064%
42	7.001	6.979	7.010	VV	31	373	0.13%	0.064%
43	7.015	7.010	7.020	VV	20	112	0.04%	0.019%
44	7.046	7.020	7.063	VV	55	736	0.25%	0.126%
45	7.076	7.063	7.085	VV	39	355	0.12%	0.061%
46	7.093	7.085	7.106	VV	30	322	0.11%	0.055%
47	7.114	7.106	7.134	VV	31	364	0.12%	0.062%
48	7.143	7.134	7.151	VV	32	232	0.08%	0.040%
49	7.167	7.151	7.179	VV	32	420	0.14%	0.072%
50	7.221	7.179	7.241	VV	36	914	0.31%	0.156%
51	7.259	7.241	7.272	VV	38	338	0.12%	0.058%
52	7.289	7.272	7.309	PV	40	398	0.14%	0.068%
53	7.317	7.309	7.326	VV	21	147	0.05%	0.025%
54	7.338	7.326	7.358	VV	24	335	0.11%	0.057%
55	7.421	7.358	7.448	VV	39	1362	0.47%	0.233%
56	7.457	7.448	7.479	VV	31	406	0.14%	0.069%
57	7.522	7.479	7.529	VV	45	787	0.27%	0.135%
58	7.540	7.529	7.550	VV	38	412	0.14%	0.070%
59	7.558	7.550	7.565	VV	31	259	0.09%	0.044%
60	7.576	7.565	7.601	VV	41	707	0.24%	0.121%
61	7.623	7.601	7.638	VV	42	610	0.21%	0.104%
62	7.662	7.638	7.676	VV	31	587	0.20%	0.101%

Instrument :
FID_B
ClientSampleId :
TP-60

Manual IntegrationsAPPROVED

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63	7.684	7.676	7.702	VV	37	431	0.15%	0.074%
64	7.708	7.702	7.715	VV	25	178	0.06%	0.030%
65	7.729	7.715	7.761	VV	35	771	0.26%	0.132%
66	7.776	7.761	7.816	VV	36	1030	0.35%	0.176%
67	7.832	7.816	7.847	VV	49	735	0.25%	0.126%
68	7.865	7.847	7.886	VV	45	760	0.26%	0.130%
69	7.907	7.886	7.922	VV	43	770	0.26%	0.132%
70	7.932	7.922	7.943	VV	47	434	0.15%	0.074%
71	7.964	7.943	7.971	VV	50	677	0.23%	0.116%
72	8.030	7.971	8.040	VV	150	3875	1.33%	0.663%
73	8.058	8.040	8.067	VV	165	2386	0.82%	0.408%
74	8.076	8.067	8.104	VV	158	3179	1.09%	0.544%
75	8.111	8.104	8.128	VV	130	1753	0.60%	0.300%
76	8.141	8.128	8.150	VV	134	1683	0.58%	0.288%
77	8.155	8.150	8.164	VV	119	943	0.32%	0.161%
78	8.175	8.164	8.206	VV	120	2689	0.92%	0.460%
79	8.231	8.206	8.256	VV	121	3038	1.04%	0.520%
80	8.261	8.256	8.277	VV	109	1205	0.41%	0.206%
81	8.290	8.277	8.297	VV	103	1120	0.38%	0.192%
82	8.304	8.297	8.331	VV	99	1970	0.68%	0.337%
83	8.342	8.331	8.353	VV	108	1333	0.46%	0.228%
84	8.361	8.353	8.374	VV	100	1141	0.39%	0.195%
85	8.391	8.374	8.401	VV	100	1395	0.48%	0.239%
86	8.412	8.401	8.433	VV	96	1603	0.55%	0.274%
87	8.443	8.433	8.512	VV	91	2855	0.98%	0.488%
88	8.523	8.512	8.532	VV	42	408	0.14%	0.070%
89	8.553	8.532	8.573	VV	44	887	0.30%	0.152%
90	8.588	8.573	8.600	VV	45	571	0.20%	0.098%
91	8.612	8.600	8.626	VV	32	379	0.13%	0.065%
92	8.634	8.626	8.648	VV	28	328	0.11%	0.056%
93	8.803	8.648	8.999	VV	5057	291704	100.00%	49.913%
94	9.012	8.999	9.033	VV	78	1356	0.46%	0.232%
95	9.044	9.033	9.095	VV	60	1837	0.63%	0.314%
96	9.105	9.095	9.114	VV	63	589	0.20%	0.101%
97	9.123	9.114	9.146	VV	53	800	0.27%	0.137%
98	9.170	9.146	9.180	VV	40	702	0.24%	0.120%
99	9.194	9.180	9.241	VV	47	1248	0.43%	0.214%
100	9.262	9.241	9.274	VV	29	484	0.17%	0.083%
101	9.289	9.274	9.300	VV	60	594	0.20%	0.102%

Instrument :
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TP-60

Manual IntegrationsAPPROVED

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102	9.314	9.300	9.322	VV	36	401	0.14%	0.069%
103	9.335	9.322	9.343	VV	42	461	0.16%	0.079%
104	9.363	9.343	9.376	VV	57	890	0.31%	0.152%
105	9.383	9.376	9.390	VV	47	392	0.13%	0.067%
106	9.399	9.390	9.408	VV	56	533	0.18%	0.091%
107	9.416	9.408	9.452	VV	51	1031	0.35%	0.176%
108	9.466	9.452	9.488	VV	38	607	0.21%	0.104%
109	9.509	9.488	9.553	VV	33	732	0.25%	0.125%
110	9.600	9.553	9.609	VV	31	690	0.24%	0.118%
111	9.641	9.609	9.693	VV	43	1225	0.42%	0.210%
112	9.720	9.693	9.731	VV	36	568	0.19%	0.097%
113	9.741	9.731	9.784	VV	39	995	0.34%	0.170%
114	9.808	9.784	9.818	VV	44	631	0.22%	0.108%
115	9.843	9.818	9.870	VV	42	889	0.30%	0.152%
116	9.908	9.870	9.920	VV	43	826	0.28%	0.141%
117	9.934	9.920	9.942	VV	42	442	0.15%	0.076%
118	9.952	9.942	9.967	VV	41	465	0.16%	0.080%
119	10.011	9.967	10.027	VV	41	1052	0.36%	0.180%
120	10.038	10.027	10.053	VV	34	243	0.08%	0.042%
121	10.068	10.053	10.082	VV	37	354	0.12%	0.061%
122	10.101	10.082	10.119	VV	41	404	0.14%	0.069%
123	10.159	10.119	10.195	VV	40	1216	0.42%	0.208%
124	10.232	10.195	10.239	VV	34	617	0.21%	0.106%
125	10.249	10.239	10.257	VV	39	353	0.12%	0.060%
126	10.348	10.257	10.370	VV	97	4142	1.42%	0.709%
127	10.380	10.370	10.391	VV	90	994	0.34%	0.170%
128	10.400	10.391	10.423	VV	106	1725	0.59%	0.295%
129	10.435	10.423	10.467	VV	84	1944	0.67%	0.333%
130	10.480	10.467	10.560	VV	71	2995	1.03%	0.512%
131	10.621	10.560	10.659	VV	128	5196	1.78%	0.889%
132	10.666	10.659	10.714	VV	108	2467	0.85%	0.422%
133	10.722	10.714	10.736	VV	50	616	0.21%	0.105%
134	10.749	10.736	10.763	VV	61	833	0.29%	0.142%
135	10.772	10.763	10.780	VV	63	569	0.19%	0.097%
136	10.798	10.780	10.806	VV	70	1031	0.35%	0.176%
137	10.815	10.806	10.853	VV	75	1897	0.65%	0.325%
138	10.862	10.853	10.883	VV	56	867	0.30%	0.148%
139	10.892	10.883	10.905	VV	53	537	0.18%	0.092%
140	10.928	10.905	10.939	VV	51	816	0.28%	0.140%

Instrument :
FID_B
ClientSampleId :
TP-60

Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 07/01/2025

141	10.954	10.939	10.967	VV	60	802	0.27%	0.137%
142	11.001	10.967	11.022	VV	58	1424	0.49%	0.244%
143	11.035	11.022	11.084	VV	37	1010	0.35%	0.173%
144	11.094	11.084	11.129	VV	35	726	0.25%	0.124%
145	11.145	11.129	11.155	VV	31	429	0.15%	0.073%
146	11.170	11.155	11.189	VV	31	575	0.20%	0.098%
147	11.195	11.189	11.209	VV	37	328	0.11%	0.056%
148	11.241	11.209	11.254	VV	40	786	0.27%	0.135%
149	11.264	11.254	11.287	VV	22	340	0.12%	0.058%
150	11.305	11.287	11.365	VV	30	598	0.21%	0.102%
151	11.376	11.365	11.387	VV	19	161	0.06%	0.028%
152	11.408	11.387	11.493	VV	39	1400	0.48%	0.239%
153	11.511	11.493	11.524	VV	33	452	0.15%	0.077%
154	11.552	11.524	11.581	VV	37	951	0.33%	0.163%
155	11.590	11.581	11.604	VV	39	292	0.10%	0.050%
156	11.656	11.604	11.682	PV	39	938	0.32%	0.160%
157	11.687	11.682	11.708	VV	23	289	0.10%	0.049%
158	11.749	11.708	11.759	VV	48	832	0.29%	0.142%
159	11.778	11.759	11.794	VV	34	638	0.22%	0.109%
160	11.808	11.794	11.835	VV	31	629	0.22%	0.108%
161	11.847	11.835	11.855	VV	69	592	0.20%	0.101%
162	11.860	11.855	11.867	VV	57	348	0.12%	0.060%
163	11.895	11.867	11.927	VV	67	1888	0.65%	0.323%
164	11.934	11.927	11.989	VV	47	1155	0.40%	0.198%
165	11.996	11.989	12.010	VV	29	258	0.09%	0.044%
166	12.019	12.010	12.059	VV	31	657	0.23%	0.112%
167	12.081	12.059	12.103	VV	36	779	0.27%	0.133%
168	12.113	12.103	12.126	VV	46	496	0.17%	0.085%
169	12.139	12.126	12.180	VV	34	636	0.22%	0.109%
170	12.210	12.180	12.230	VV	26	511	0.18%	0.087%
171	12.239	12.230	12.255	VV	21	204	0.07%	0.035%
172	12.282	12.255	12.295	VV	36	515	0.18%	0.088%
173	12.317	12.295	12.328	VV	33	509	0.17%	0.087%
174	12.332	12.328	12.344	VV	33	232	0.08%	0.040%
175	12.361	12.344	12.370	VV	26	305	0.10%	0.052%
176	12.379	12.370	12.404	VV	26	443	0.15%	0.076%
177	12.442	12.404	12.459	VV	33	668	0.23%	0.114%
178	12.468	12.459	12.489	VV	28	456	0.16%	0.078%
179	12.513	12.489	12.526	VV	38	553	0.19%	0.095%
180	12.551	12.526	12.561	VV	31	518	0.18%	0.089%

Instrument :
FID_B
ClientSampleId :
TP-60

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/01/2025
Supervised By :mohammad ahmed 07/01/2025

181	12.571	12.561	12.586	VV	44	440	0.15%	0.075%
182	12.608	12.586	12.616	VV	28	411	0.14%	0.070%
183	12.631	12.616	12.640	VV	32	383	0.13%	0.066%
184	12.751	12.640	12.800	VV	81	5055	1.73%	0.865%
185	12.815	12.800	12.826	VV	46	622	0.21%	0.107%
186	12.847	12.826	12.862	VV	43	790	0.27%	0.135%
187	12.886	12.862	12.913	VV	62	1531	0.52%	0.262%
188	12.924	12.913	12.951	VV	52	935	0.32%	0.160%
189	12.983	12.951	13.017	VV	33	1110	0.38%	0.190%
190	13.066	13.017	13.112	VV	72	2698	0.92%	0.462%
191	13.121	13.112	13.132	VV	30	292	0.10%	0.050%
192	13.194	13.132	13.274	VV	96	4585	1.57%	0.785%
193	13.296	13.274	13.306	VV	26	371	0.13%	0.064%
194	13.313	13.306	13.365	VV	23	596	0.20%	0.102%
195	13.374	13.365	13.409	VV	18	261	0.09%	0.045%
196	13.416	13.409	13.444	VV	14	78	0.03%	0.013%
197	13.486	13.444	13.504	PV	39	663	0.23%	0.113%
198	13.535	13.504	13.569	VV	61	1854	0.64%	0.317%
199	13.576	13.569	13.585	VV	62	503	0.17%	0.086%
200	13.601	13.585	13.610	VV	61	824	0.28%	0.141%
201	13.629	13.610	13.643	VV	64	1041	0.36%	0.178%
202	13.653	13.643	13.663	VV	45	482	0.17%	0.083%
203	13.672	13.663	13.680	VV	48	447	0.15%	0.076%
204	13.696	13.680	13.705	VV	58	746	0.26%	0.128%
205	13.714	13.705	13.725	VV	55	559	0.19%	0.096%
206	13.734	13.725	13.745	VV	53	519	0.18%	0.089%
207	13.771	13.745	13.811	VV	68	2087	0.72%	0.357%
208	13.827	13.811	13.867	VV	71	1583	0.54%	0.271%
209	13.879	13.867	13.885	VV	39	389	0.13%	0.067%
210	13.900	13.885	13.917	VV	58	900	0.31%	0.154%
211	13.944	13.917	13.978	VV	90	2615	0.90%	0.448%
212	13.991	13.978	14.020	VV	94	1890	0.65%	0.323%
213	14.129	14.020	14.267	VV	244	21209	7.27%	3.629%
214	14.277	14.267	14.303	VV	34	516	0.18%	0.088%
215	14.311	14.303	14.335	VV	19	169	0.06%	0.029%
216	14.362	14.335	14.371	VV	24	243	0.08%	0.042%
217	14.445	14.371	14.458	VV	35	1178	0.40%	0.202%
218	14.472	14.458	14.486	VV	31	476	0.16%	0.082%
219	14.497	14.486	14.508	VV	32	327	0.11%	0.056%

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Manual IntegrationsAPPROVED

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220	14.547	14.508	14.563	VV	35	958	0.33%	0.164%	
221	14.590	14.563	14.603	VV	41	773	0.27%	0.132%	
222	14.613	14.603	14.619	VV	39	312	0.11%	0.053%	
223	14.660	14.619	14.674	VV	57	1480	0.51%	0.253%	
224	14.720	14.674	14.755	VV	61	2333	0.80%	0.399%	
225	14.773	14.755	14.788	VV	45	784	0.27%	0.134%	
226	14.794	14.788	14.806	VV	44	430	0.15%	0.074%	
227	14.818	14.806	14.841	VV	48	850	0.29%	0.145%	
228	14.857	14.841	14.921	VV	50	1158	0.40%	0.198%	
229	14.930	14.921	14.958	VV	26	328	0.11%	0.056%	
230	15.011	14.958	15.019	VV	51	1016	0.35%	0.174%	
231	15.074	15.019	15.119	VV	102	4483	1.54%	0.767%	
232	15.127	15.119	15.142	VV	49	525	0.18%	0.090%	
233	15.148	15.142	15.170	VV	38	592	0.20%	0.101%	
234	15.181	15.170	15.200	VV	41	686	0.24%	0.117%	
235	15.207	15.200	15.217	VV	50	432	0.15%	0.074%	
236	15.223	15.217	15.267	VV	38	975	0.33%	0.167%	
237	15.278	15.267	15.286	VV	34	343	0.12%	0.059%	
238	15.297	15.286	15.319	VV	35	604	0.21%	0.103%	
239	15.430	15.319	15.442	VV	136	5849	2.01%	1.001%	
240	15.501	15.442	15.604	VV	159	11149	3.82%	1.908%	
241	15.613	15.604	15.636	VV	43	723	0.25%	0.124%	
242	15.648	15.636	15.665	VV	41	570	0.20%	0.098%	
243	15.693	15.665	15.714	VV	53	1178	0.40%	0.202%	
244	15.728	15.714	15.739	VV	58	695	0.24%	0.119%	
245	15.751	15.739	15.764	VV	59	787	0.27%	0.135%	
246	15.773	15.764	15.784	VV	65	641	0.22%	0.110%	
247	15.812	15.784	15.843	VV	72	2202	0.75%	0.377%	
248	15.851	15.843	15.858	VV	59	512	0.18%	0.088%	
249	15.865	15.858	15.873	VV	69	519	0.18%	0.089%	
250	15.881	15.873	15.893	VV	58	568	0.19%	0.097%	
251	15.933	15.893	15.947	VV	66	1827	0.63%	0.313%	
252	15.957	15.947	16.012	VV	72	2300	0.79%	0.393%	
253	16.023	16.012	16.038	VV	46	545	0.19%	0.093%	
254	16.073	16.038	16.105	VV	39	983	0.34%	0.168%	
255	16.114	16.105	16.133	VV	32	312	0.11%	0.053%	
256	16.206	16.133	16.213	VV	107	2865	0.98%	0.490%	
257	16.220	16.213	16.255	VV	104	2235	0.77%	0.382%	
258	16.264	16.255	16.313	VV	87	2321	0.80%	0.397%	

Instrument :
FID_B
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Manual IntegrationsAPPROVED

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259	16.321	16.313	16.346	VV	60	919	0.32%	0.157%
260	16.358	16.346	16.377	VV	64	930	0.32%	0.159%
261	16.398	16.377	16.405	VV	62	879	0.30%	0.150%
262	16.424	16.405	16.444	VV	69	1440	0.49%	0.246%
263	16.453	16.444	16.467	VV	54	666	0.23%	0.114%
264	16.474	16.467	16.528	VV	43	1099	0.38%	0.188%
265	16.542	16.528	16.575	VV	20	458	0.16%	0.078%
266	16.581	16.575	16.617	VV	34	532	0.18%	0.091%
267	16.638	16.617	16.647	VV	28	419	0.14%	0.072%
268	16.659	16.647	16.686	VV	27	405	0.14%	0.069%
269	16.700	16.686	16.709	VV	26	191	0.07%	0.033%
270	16.721	16.709	16.742	PV	23	240	0.08%	0.041%
271	16.748	16.742	16.759	VV	15	111	0.04%	0.019%
272	16.846	16.759	16.875	VV	76	3326	1.14%	0.569%
273	16.887	16.875	16.908	VV	90	1364	0.47%	0.233%
274	16.917	16.908	16.957	VV	64	1234	0.42%	0.211%
275	16.964	16.957	16.991	VV	33	311	0.11%	0.053%
276	17.004	16.991	17.021	PV	21	141	0.05%	0.024%
277	17.074	17.021	17.083	PV	11	169	0.06%	0.029%

Sum of corrected areas: 584426

FB062325.M Tue Jul 01 01:48:16 2025

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-62	SDG No.:	Q2458
Lab Sample ID:	Q2458-07	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	91.1 Decanted:
Sample Wt/Vol:	3.77 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
FB031989.D	1	07/01/25 12:38	FB070125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	12.0	U	12.0	66.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	18.9		50 - 150	95%	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\FB070125\
Data File : FB031989.D
Signal(s) : FID2B.CH
Acq On : 1 Jul 2025 12:38
Operator : YP/AJ
Sample : Q2458-07
Misc : 3.77G/5.00 ML DI WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-62

Integration File: Calibration.e
Quant Time: Jul 02 00:01:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
Quant Title :
QLast Update : Mon Jun 23 13:56:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
5) s AAA-TFT	8.804	292209	18.940 ng/ml
Target Compounds			

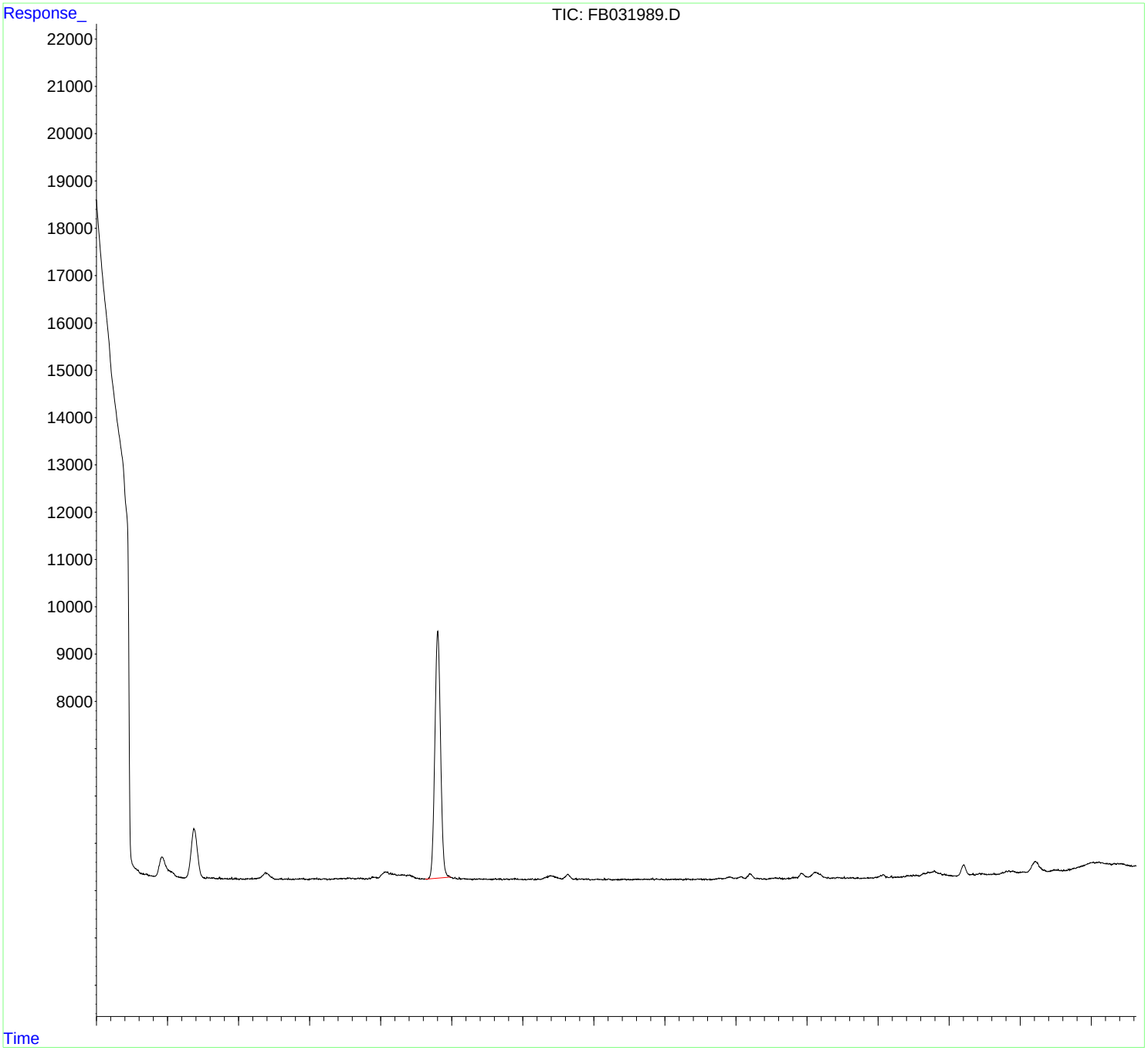
(f)=RT Delta > 1/2 Window (m)=manual int.

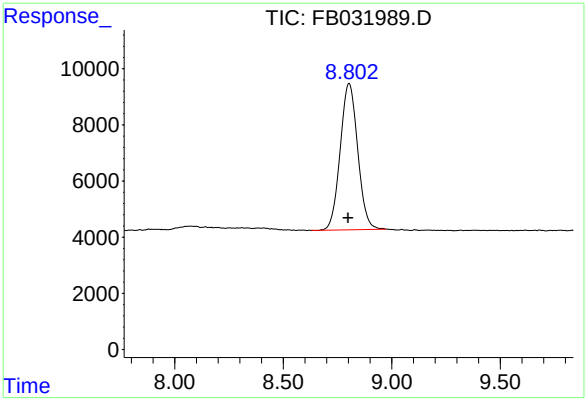
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB070125\
Data File : FB031989.D
Signal(s) : FID2B.CH
Acq On : 1 Jul 2025 12:38
Operator : YP/AJ
Sample : Q2458-07
Misc : 3.77G/5.00 ML DI WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-62

Integration File: Calibration.e
Quant Time: Jul 02 00:01:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
Quant Title :
QLast Update : Mon Jun 23 13:56:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#5 AAA-TFT

R.T.:	8.804 min
Delta R.T.:	0.006 min
Response:	292209
Conc:	18.94 ng/ml

Instrument :
FID_B
ClientSampleId :
TP-62

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB070125\
Data File : FB031989.D
Signal(s) : FID2B.CH
Acq On : 1 Jul 2025 12:38
Sample : Q2458-07
Misc : 3.77G/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	4.699	4.654	4.741	BV	24	469	0.16%	0.088%
2	4.748	4.741	4.790	PV	15	174	0.06%	0.033%
3	4.798	4.790	4.807	PV	9	32	0.01%	0.006%
4	4.816	4.807	4.823	PV	12	49	0.02%	0.009%
5	5.057	5.052	5.177	VV	125	4003	1.32%	0.750%
6	5.196	5.177	5.247	VV	20	224	0.07%	0.042%
7	5.556	5.539	5.577	VV	37	401	0.13%	0.075%
8	5.587	5.577	5.606	VV	25	324	0.11%	0.061%
9	5.652	5.606	5.667	VV	32	705	0.23%	0.132%
10	5.675	5.667	5.685	VV	15	107	0.04%	0.020%
11	5.699	5.685	5.707	VV	15	113	0.04%	0.021%
12	5.731	5.707	5.754	VV	43	484	0.16%	0.091%
13	5.764	5.754	5.774	VV	22	174	0.06%	0.033%
14	5.780	5.774	5.785	VV	12	53	0.02%	0.010%
15	5.804	5.785	5.814	VV	18	210	0.07%	0.039%
16	5.823	5.814	5.832	VV	20	147	0.05%	0.028%
17	5.842	5.832	5.852	VV	25	147	0.05%	0.028%
18	5.863	5.852	5.873	VV	14	109	0.04%	0.020%
19	5.880	5.873	5.890	VV	27	166	0.05%	0.031%
20	5.906	5.890	5.917	VV	41	301	0.10%	0.056%
21	5.928	5.917	5.936	PV	18	113	0.04%	0.021%
22	5.949	5.936	5.958	VV	32	225	0.07%	0.042%
23	5.967	5.958	6.011	VV	36	399	0.13%	0.075%

24	6.025	6.011	6.048	PV	24	348	0.12%	0.065%
25	6.058	6.048	6.074	VV	18	175	0.06%	0.033%
26	6.130	6.074	6.157	VV	24	767	0.25%	0.144%
27	6.165	6.157	6.178	VV	25	233	0.08%	0.044%
28	6.190	6.178	6.217	VV	40	519	0.17%	0.097%
29	6.226	6.217	6.259	VV	28	577	0.19%	0.108%
30	6.271	6.259	6.279	VV	37	350	0.12%	0.066%
31	6.378	6.279	6.388	VV	152	5523	1.83%	1.035%
32	6.397	6.388	6.466	VV	142	4654	1.54%	0.872%
33	6.473	6.466	6.509	VV	57	894	0.30%	0.168%
34	6.519	6.509	6.536	VV	18	207	0.07%	0.039%
35	6.544	6.536	6.565	VV	16	212	0.07%	0.040%
36	6.580	6.565	6.590	VV	24	264	0.09%	0.049%
37	6.599	6.590	6.625	VV	28	356	0.12%	0.067%
38	6.650	6.625	6.658	VV	19	245	0.08%	0.046%
39	6.675	6.658	6.689	VV	22	301	0.10%	0.056%
40	6.701	6.689	6.713	VV	35	266	0.09%	0.050%
41	6.723	6.713	6.744	VV	13	207	0.07%	0.039%
42	6.762	6.744	6.785	VV	19	256	0.08%	0.048%
43	6.804	6.785	6.824	VV	23	364	0.12%	0.068%
44	6.835	6.824	6.847	VV	23	244	0.08%	0.046%
45	6.857	6.847	6.871	VV	29	310	0.10%	0.058%
46	6.891	6.871	6.901	VV	28	413	0.14%	0.077%
47	6.916	6.901	6.928	VV	39	421	0.14%	0.079%
48	6.936	6.928	6.948	VV	21	172	0.06%	0.032%
49	6.961	6.948	6.978	VV	15	204	0.07%	0.038%
50	7.006	6.978	7.014	VV	21	340	0.11%	0.064%
51	7.029	7.014	7.039	VV	28	346	0.11%	0.065%
52	7.055	7.039	7.065	VV	33	428	0.14%	0.080%
53	7.079	7.065	7.092	VV	33	423	0.14%	0.079%
54	7.102	7.092	7.122	VV	39	436	0.14%	0.082%
55	7.140	7.122	7.160	VV	26	429	0.14%	0.080%
56	7.202	7.160	7.215	VV	31	707	0.23%	0.133%
57	7.222	7.215	7.248	VV	28	399	0.13%	0.075%
58	7.277	7.248	7.288	PV	29	342	0.11%	0.064%
59	7.307	7.288	7.316	VV	24	307	0.10%	0.058%
60	7.364	7.316	7.379	VV	35	971	0.32%	0.182%
61	7.384	7.379	7.395	VV	37	264	0.09%	0.050%
62	7.487	7.395	7.520	VV	38	2217	0.73%	0.415%

63	7.539	7.520	7.596	VV	50	1719	0.57%	0.322%
64	7.609	7.596	7.661	VV	42	1182	0.39%	0.222%
65	7.687	7.661	7.702	VV	44	856	0.28%	0.160%
66	7.716	7.702	7.777	VV	48	1416	0.47%	0.265%
67	7.802	7.777	7.824	VV	32	720	0.24%	0.135%
68	7.881	7.824	7.972	VV	70	4346	1.44%	0.814%
69	8.074	7.972	8.123	VV	175	11939	3.95%	2.237%
70	8.142	8.123	8.180	VV	154	4548	1.50%	0.852%
71	8.200	8.180	8.236	VV	129	3802	1.26%	0.712%
72	8.251	8.236	8.295	VV	109	3739	1.24%	0.701%
73	8.310	8.295	8.367	VV	120	4493	1.49%	0.842%
74	8.384	8.367	8.398	VV	107	1909	0.63%	0.358%
75	8.411	8.398	8.515	VV	113	4945	1.64%	0.927%
76	8.523	8.515	8.561	VV	40	921	0.30%	0.173%
77	8.590	8.561	8.657	VV	34	1417	0.47%	0.265%
78	8.804	8.657	9.028	VV	5261	302389	100.00%	56.654%
79	9.046	9.028	9.088	VV	61	1351	0.45%	0.253%
80	9.108	9.088	9.129	VV	46	748	0.25%	0.140%
81	9.164	9.129	9.215	VV	32	1408	0.47%	0.264%
82	9.229	9.215	9.245	VV	30	400	0.13%	0.075%
83	9.259	9.245	9.294	VV	27	536	0.18%	0.100%
84	9.319	9.294	9.333	VV	31	482	0.16%	0.090%
85	9.347	9.333	9.363	VV	24	375	0.12%	0.070%
86	9.385	9.363	9.411	VV	30	702	0.23%	0.132%
87	9.427	9.411	9.442	VV	24	388	0.13%	0.073%
88	9.485	9.442	9.501	VV	28	740	0.24%	0.139%
89	9.616	9.501	9.635	VV	30	1514	0.50%	0.284%
90	9.682	9.635	9.712	VV	34	978	0.32%	0.183%
91	9.777	9.712	9.810	VV	30	1159	0.38%	0.217%
92	9.896	9.810	9.956	VV	35	1978	0.65%	0.371%
93	9.971	9.956	10.009	VV	19	487	0.16%	0.091%
94	10.026	10.009	10.049	VV	17	332	0.11%	0.062%
95	10.137	10.049	10.184	VV	33	1430	0.47%	0.268%
96	10.215	10.184	10.241	VV	30	661	0.22%	0.124%
97	10.394	10.241	10.549	VV	99	10566	3.49%	1.980%
98	10.637	10.549	10.709	VV	124	6627	2.19%	1.242%
99	10.746	10.709	10.775	VV	29	917	0.30%	0.172%
100	10.794	10.775	10.822	VV	32	679	0.22%	0.127%
101	10.834	10.822	10.870	VV	30	679	0.22%	0.127%

102	10.888	10.870	10.953	VV	23	964	0.32%	0.181%
103	10.975	10.953	11.016	VV	19	459	0.15%	0.086%
104	11.034	11.016	11.131	VV	23	1144	0.38%	0.214%
105	11.149	11.131	11.183	VV	28	553	0.18%	0.104%
106	11.208	11.183	11.262	VV	31	801	0.26%	0.150%
107	11.331	11.262	11.367	VV	20	752	0.25%	0.141%
108	11.431	11.367	11.459	VV	29	945	0.31%	0.177%
109	11.482	11.459	11.518	VV	19	529	0.18%	0.099%
110	11.524	11.518	11.541	VV	16	178	0.06%	0.033%
111	11.598	11.541	11.652	VV	25	1224	0.40%	0.229%
112	11.716	11.652	11.788	VV	22	1544	0.51%	0.289%
113	11.831	11.788	11.852	VV	35	868	0.29%	0.163%
114	11.886	11.852	11.928	VV	37	977	0.32%	0.183%
115	11.951	11.928	12.001	VV	33	787	0.26%	0.147%
116	12.017	12.001	12.035	VV	28	338	0.11%	0.063%
117	12.047	12.035	12.072	VV	18	343	0.11%	0.064%
118	12.101	12.072	12.132	VV	24	737	0.24%	0.138%
119	12.145	12.132	12.199	VV	31	825	0.27%	0.155%
120	12.213	12.199	12.255	VV	31	650	0.22%	0.122%
121	12.294	12.255	12.380	PV	36	1429	0.47%	0.268%
122	12.398	12.380	12.414	VV	23	362	0.12%	0.068%
123	12.468	12.414	12.486	VV	23	815	0.27%	0.153%
124	12.508	12.486	12.536	VV	25	544	0.18%	0.102%
125	12.549	12.536	12.600	VV	27	578	0.19%	0.108%
126	12.642	12.600	12.665	VV	19	462	0.15%	0.087%
127	12.785	12.665	12.820	VV	35	2201	0.73%	0.412%
128	12.919	12.820	12.973	VV	64	3993	1.32%	0.748%
129	12.990	12.973	13.006	VV	41	650	0.22%	0.122%
130	13.069	13.006	13.129	VV	67	3344	1.11%	0.626%
131	13.196	13.129	13.282	VV	118	6437	2.13%	1.206%
132	13.296	13.282	13.330	VV	32	646	0.21%	0.121%
133	13.352	13.330	13.385	VV	24	499	0.16%	0.093%
134	13.397	13.385	13.430	VV	22	288	0.10%	0.054%
135	13.554	13.430	13.602	PV	29	2160	0.71%	0.405%
136	13.614	13.602	13.672	VV	42	819	0.27%	0.153%
137	13.684	13.672	13.705	VV	24	230	0.08%	0.043%
138	13.796	13.705	13.809	VV	31	1287	0.43%	0.241%
139	13.822	13.809	13.838	VV	41	550	0.18%	0.103%
140	13.848	13.838	13.866	VV	34	572	0.19%	0.107%

141	13.921	13.866	14.018	VV	121	6891	2.28%	1.291%
142	14.106	14.018	14.289	VV	141	13108	4.33%	2.456%
143	14.299	14.289	14.336	VV	32	501	0.17%	0.094%
144	14.380	14.336	14.395	VV	26	566	0.19%	0.106%
145	14.432	14.395	14.503	VV	33	1231	0.41%	0.231%
146	14.526	14.503	14.583	VV	33	647	0.21%	0.121%
147	14.611	14.583	14.626	VV	17	351	0.12%	0.066%
148	14.644	14.626	14.678	VV	20	395	0.13%	0.074%
149	14.717	14.678	14.767	PV	19	307	0.10%	0.057%
150	14.892	14.767	14.940	PV	12	462	0.15%	0.087%
151	14.963	14.940	14.980	VV	16	284	0.09%	0.053%
152	15.073	14.980	15.157	VV	67	3555	1.18%	0.666%
153	15.185	15.157	15.255	VV	34	622	0.21%	0.117%
154	15.279	15.255	15.301	VV	14	240	0.08%	0.045%
155	15.359	15.301	15.374	VV	25	543	0.18%	0.102%
156	15.460	15.374	15.479	VV	37	1873	0.62%	0.351%
157	15.496	15.479	15.519	VV	42	819	0.27%	0.153%
158	15.537	15.519	15.575	VV	41	1098	0.36%	0.206%
159	15.638	15.575	15.664	VV	78	2754	0.91%	0.516%
160	15.711	15.664	15.730	VV	98	3342	1.11%	0.626%
161	15.794	15.730	15.918	VV	127	9135	3.02%	1.711%
162	15.934	15.918	16.063	VV	52	1963	0.65%	0.368%
163	16.081	16.063	16.100	VV	10	149	0.05%	0.028%
164	16.207	16.100	16.320	PV	233	11283	3.73%	2.114%
165	16.338	16.320	16.371	VV	32	482	0.16%	0.090%
166	16.428	16.371	16.450	VV	39	1132	0.37%	0.212%
167	16.465	16.450	16.543	VV	37	910	0.30%	0.171%
168	16.556	16.543	16.599	PV	11	189	0.06%	0.035%
169	16.632	16.599	16.688	PV	16	237	0.08%	0.044%
170	16.843	16.688	16.863	PV	59	3083	1.02%	0.578%
171	16.900	16.863	16.976	VV	43	1906	0.63%	0.357%
172	17.039	16.976	17.083	PV	18	502	0.17%	0.094%

Sum of corrected areas: 533744

FB062325.M Wed Jul 02 00:21:30 2025

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-63	SDG No.:	Q2458
Lab Sample ID:	Q2458-08	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	86.4 Decanted:
Sample Wt/Vol:	4.3 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
FB031981.D	1	06/30/25 17:55	FB063025

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	18.2		50 - 150	91%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB063025\
Data File : FB031981.D
Signal(s) : FID2B.CH
Acq On : 30 Jun 2025 17:55
Operator : YP/AJ
Sample : Q2458-08
Misc : 4.30G/5.00 ML DI WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-63

Integration File: Calibration.e
Quant Time: Jul 01 01:08:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
Quant Title :
QLast Update : Mon Jun 23 13:56:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
5) s AAA-TFT	8.804	281224	18.228 ng/ml
Target Compounds			

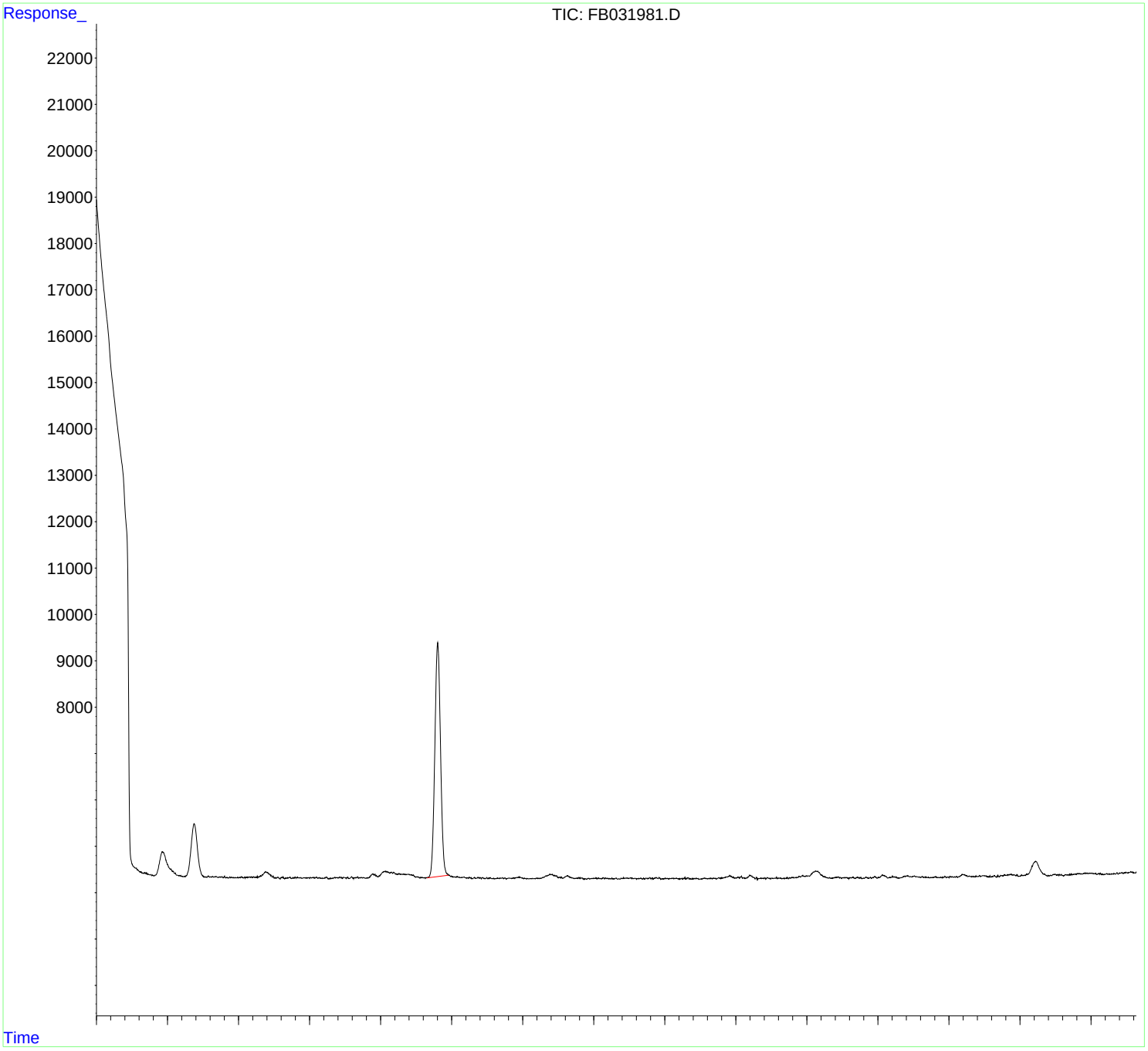
(f)=RT Delta > 1/2 Window (m)=manual int.

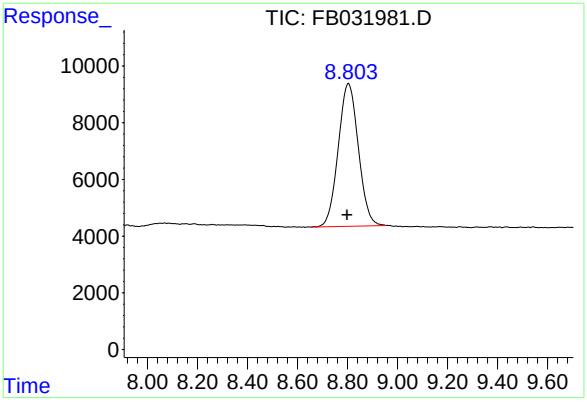
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB063025\
Data File : FB031981.D
Signal(s) : FID2B.CH
Acq On : 30 Jun 2025 17:55
Operator : YP/AJ
Sample : Q2458-08
Misc : 4.30G/5.00 ML DI WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-63

Integration File: Calibration.e
Quant Time: Jul 01 01:08:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
Quant Title :
QLast Update : Mon Jun 23 13:56:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#5 AAA-TFT

R.T.:	8.804 min
Delta R.T.:	0.006 min
Response:	281224
Conc:	18.23 ng/ml

Instrument :
FID_B
ClientSampleId :
TP-63

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB063025\
Data File : FB031981.D
Signal(s) : FID2B.CH
Acq On : 30 Jun 2025 17:55
Sample : Q2458-08
Misc : 4.30G/5.00 ML DI WATER
ALS Vial : 12 Sample Multiplier: 1

Integration File: SAMPLE.e

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

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.682	4.637	4.690	BV	19	103	0.04%	0.021%
2	4.698	4.690	4.759	VV	25	361	0.12%	0.075%
3	4.770	4.759	4.783	VV	20	150	0.05%	0.031%
4	4.791	4.783	4.812	PV	17	115	0.04%	0.024%
5	5.110	5.103	5.161	VV	76	1404	0.48%	0.290%
6	5.168	5.161	5.178	VV	30	236	0.08%	0.049%
7	5.187	5.178	5.225	VV	26	322	0.11%	0.066%
8	5.239	5.225	5.246	VV	14	83	0.03%	0.017%
9	5.577	5.525	5.598	VV	35	625	0.22%	0.129%
10	5.609	5.598	5.620	VV	19	187	0.06%	0.039%
11	5.636	5.620	5.662	VV	30	451	0.16%	0.093%
12	5.685	5.662	5.711	VV	27	555	0.19%	0.115%
13	5.740	5.711	5.758	VV	25	431	0.15%	0.089%
14	5.767	5.758	5.784	VV	28	282	0.10%	0.058%
15	5.804	5.784	5.819	VV	42	347	0.12%	0.072%
16	5.836	5.819	5.862	VV	20	184	0.06%	0.038%
17	5.879	5.862	5.893	PV	26	225	0.08%	0.046%
18	5.900	5.893	5.940	VV	21	390	0.13%	0.081%
19	5.988	5.940	5.996	VV	21	372	0.13%	0.077%
20	6.004	5.996	6.015	VV	20	166	0.06%	0.034%
21	6.020	6.015	6.028	VV	23	119	0.04%	0.025%
22	6.040	6.028	6.072	VV	36	565	0.20%	0.117%
23	6.088	6.072	6.096	VV	32	279	0.10%	0.058%

24	6.122	6.096	6.140	VV	31	591	0.20%	0.122%
25	6.150	6.140	6.170	VV	39	545	0.19%	0.112%
26	6.179	6.170	6.204	VV	38	572	0.20%	0.118%
27	6.216	6.204	6.229	VV	42	441	0.15%	0.091%
28	6.245	6.229	6.254	VV	33	407	0.14%	0.084%
29	6.264	6.254	6.292	VV	52	764	0.26%	0.158%
30	6.308	6.292	6.324	VV	63	1008	0.35%	0.208%
31	6.378	6.324	6.479	VV	150	9679	3.34%	1.998%
32	6.489	6.479	6.504	VV	61	563	0.19%	0.116%
33	6.555	6.504	6.585	VV	40	1108	0.38%	0.229%
34	6.608	6.585	6.615	PV	38	433	0.15%	0.089%
35	6.625	6.615	6.653	VV	45	489	0.17%	0.101%
36	6.662	6.653	6.675	VV	25	204	0.07%	0.042%
37	6.686	6.675	6.695	VV	32	263	0.09%	0.054%
38	6.724	6.695	6.745	VV	42	776	0.27%	0.160%
39	6.767	6.745	6.776	VV	27	319	0.11%	0.066%
40	6.798	6.776	6.819	VV	43	694	0.24%	0.143%
41	6.827	6.819	6.842	VV	41	402	0.14%	0.083%
42	6.854	6.842	6.864	VV	27	319	0.11%	0.066%
43	6.877	6.864	6.899	VV	31	427	0.15%	0.088%
44	6.924	6.899	6.967	VV	25	851	0.29%	0.176%
45	6.987	6.967	7.001	VV	28	448	0.15%	0.092%
46	7.012	7.001	7.028	VV	33	406	0.14%	0.084%
47	7.055	7.028	7.080	VV	31	722	0.25%	0.149%
48	7.099	7.080	7.117	VV	39	571	0.20%	0.118%
49	7.134	7.117	7.178	VV	29	578	0.20%	0.119%
50	7.191	7.178	7.201	VV	16	172	0.06%	0.035%
51	7.237	7.201	7.270	VV	38	791	0.27%	0.163%
52	7.303	7.270	7.312	PV	15	154	0.05%	0.032%
53	7.335	7.312	7.343	VV	21	228	0.08%	0.047%
54	7.357	7.343	7.365	VV	34	297	0.10%	0.061%
55	7.390	7.365	7.402	VV	27	471	0.16%	0.097%
56	7.424	7.402	7.467	VV	39	904	0.31%	0.187%
57	7.479	7.467	7.515	VV	31	629	0.22%	0.130%
58	7.534	7.515	7.562	VV	33	397	0.14%	0.082%
59	7.593	7.562	7.622	VV	38	729	0.25%	0.151%
60	7.634	7.622	7.643	PV	22	206	0.07%	0.042%
61	7.652	7.643	7.660	VV	26	199	0.07%	0.041%
62	7.678	7.660	7.689	VV	40	419	0.14%	0.086%

63	7.717	7.689	7.724	VV	23	283	0.10%	0.058%
64	7.735	7.724	7.747	VV	24	222	0.08%	0.046%
65	7.758	7.747	7.791	VV	16	266	0.09%	0.055%
66	7.802	7.791	7.817	PV	8	52	0.02%	0.011%
67	7.825	7.817	7.831	VV	10	36	0.01%	0.008%
68	7.894	7.831	7.910	VV	81	2279	0.79%	0.470%
69	7.920	7.910	7.969	VV	68	1254	0.43%	0.259%
70	8.050	7.969	8.060	VV	112	3686	1.27%	0.761%
71	8.069	8.060	8.078	VV	120	1179	0.41%	0.243%
72	8.086	8.078	8.133	VV	108	2916	1.01%	0.602%
73	8.154	8.133	8.171	VV	83	1625	0.56%	0.335%
74	8.187	8.171	8.239	VV	76	1907	0.66%	0.394%
75	8.261	8.239	8.277	VV	41	637	0.22%	0.131%
76	8.286	8.277	8.365	VB	24	630	0.22%	0.130%
77	8.390	8.370	8.425	BV	16	339	0.12%	0.070%
78	8.433	8.425	8.462	VV	25	432	0.15%	0.089%
79	8.465	8.462	8.497	VV	32	230	0.08%	0.048%
80	8.507	8.497	8.554	PV	14	353	0.12%	0.073%
81	8.564	8.554	8.601	PV	18	282	0.10%	0.058%
82	8.609	8.601	8.618	VV	13	95	0.03%	0.020%
83	8.625	8.618	8.633	VV	17	81	0.03%	0.017%
84	8.669	8.633	8.677	PV	27	423	0.15%	0.087%
85	8.804	8.677	8.988	VV	5083	289749	100.00%	59.811%
86	8.996	8.988	9.021	VV	57	893	0.31%	0.184%
87	9.034	9.021	9.059	VV	41	791	0.27%	0.163%
88	9.079	9.059	9.094	VV	44	760	0.26%	0.157%
89	9.103	9.094	9.134	VV	39	653	0.23%	0.135%
90	9.144	9.134	9.154	VV	31	314	0.11%	0.065%
91	9.177	9.154	9.238	VV	38	1229	0.42%	0.254%
92	9.248	9.238	9.296	VV	35	633	0.22%	0.131%
93	9.320	9.296	9.331	PV	28	364	0.13%	0.075%
94	9.336	9.331	9.347	VV	20	143	0.05%	0.030%
95	9.375	9.347	9.386	VV	34	518	0.18%	0.107%
96	9.394	9.386	9.419	VV	28	389	0.13%	0.080%
97	9.434	9.419	9.479	PV	30	518	0.18%	0.107%
98	9.494	9.479	9.512	VV	29	306	0.11%	0.063%
99	9.524	9.512	9.533	VV	26	195	0.07%	0.040%
100	9.544	9.533	9.566	VV	31	344	0.12%	0.071%
101	9.575	9.566	9.584	VV	12	85	0.03%	0.018%

102	9.591	9.584	9.607	VV	15	79	0.03%	0.016%
103	9.648	9.607	9.671	VV	22	420	0.14%	0.087%
104	9.716	9.671	9.739	VV	28	652	0.23%	0.135%
105	9.752	9.739	9.770	VV	27	278	0.10%	0.057%
106	9.804	9.770	9.861	VV	20	783	0.27%	0.162%
107	9.884	9.861	9.912	VV	24	693	0.24%	0.143%
108	9.921	9.912	9.934	VV	36	434	0.15%	0.090%
109	9.946	9.934	9.956	VV	41	472	0.16%	0.097%
110	9.966	9.956	10.014	VV	38	907	0.31%	0.187%
111	10.028	10.014	10.052	VV	22	282	0.10%	0.058%
112	10.064	10.052	10.082	VV	14	164	0.06%	0.034%
113	10.142	10.082	10.157	VV	16	418	0.14%	0.086%
114	10.190	10.157	10.201	VV	20	352	0.12%	0.073%
115	10.206	10.201	10.217	VV	22	167	0.06%	0.034%
116	10.226	10.217	10.233	VV	22	151	0.05%	0.031%
117	10.249	10.233	10.257	VV	23	251	0.09%	0.052%
118	10.291	10.257	10.301	VV	41	805	0.28%	0.166%
119	10.336	10.301	10.342	VV	75	1496	0.52%	0.309%
120	10.382	10.342	10.397	VV	106	2896	1.00%	0.598%
121	10.421	10.397	10.441	VV	102	2434	0.84%	0.502%
122	10.448	10.441	10.513	VV	83	2585	0.89%	0.534%
123	10.523	10.513	10.538	VV	49	587	0.20%	0.121%
124	10.545	10.538	10.563	VV	49	486	0.17%	0.100%
125	10.635	10.563	10.647	VV	81	2626	0.91%	0.542%
126	10.654	10.647	10.711	VV	60	1459	0.50%	0.301%
127	10.719	10.711	10.738	VV	23	315	0.11%	0.065%
128	10.751	10.738	10.758	VV	25	238	0.08%	0.049%
129	10.792	10.758	10.803	VV	40	653	0.23%	0.135%
130	10.811	10.803	10.820	VV	41	289	0.10%	0.060%
131	10.834	10.820	10.872	VV	34	574	0.20%	0.119%
132	10.881	10.872	10.902	VV	12	143	0.05%	0.029%
133	10.925	10.902	10.943	PV	24	332	0.11%	0.069%
134	10.984	10.943	10.995	VV	21	470	0.16%	0.097%
135	11.032	10.995	11.056	VV	32	719	0.25%	0.148%
136	11.067	11.056	11.083	VV	33	363	0.13%	0.075%
137	11.092	11.083	11.113	VV	21	268	0.09%	0.055%
138	11.139	11.113	11.154	VV	35	513	0.18%	0.106%
139	11.165	11.154	11.183	VV	29	367	0.13%	0.076%
140	11.192	11.183	11.212	VV	26	295	0.10%	0.061%

141	11.220	11.212	11.227	VV	21	122	0.04%	0.025%
142	11.233	11.227	11.249	VV	16	160	0.06%	0.033%
143	11.259	11.249	11.281	VV	27	254	0.09%	0.052%
144	11.317	11.281	11.337	VV	28	484	0.17%	0.100%
145	11.357	11.337	11.371	PV	13	129	0.04%	0.027%
146	11.385	11.371	11.400	PV	23	204	0.07%	0.042%
147	11.421	11.400	11.434	VV	33	384	0.13%	0.079%
148	11.443	11.434	11.452	VV	23	204	0.07%	0.042%
149	11.473	11.452	11.490	VV	25	428	0.15%	0.088%
150	11.521	11.490	11.534	VV	28	482	0.17%	0.100%
151	11.542	11.534	11.565	VV	25	224	0.08%	0.046%
152	11.579	11.565	11.643	VB	14	219	0.08%	0.045%
153	11.662	11.646	11.692	BV	15	202	0.07%	0.042%
154	11.703	11.692	11.720	PV	29	205	0.07%	0.042%
155	11.738	11.720	11.774	PV	27	570	0.20%	0.118%
156	11.791	11.774	11.820	VV	40	654	0.23%	0.135%
157	11.829	11.820	11.839	VV	35	221	0.08%	0.046%
158	11.879	11.839	11.908	VV	39	1009	0.35%	0.208%
159	11.922	11.908	11.945	VV	42	512	0.18%	0.106%
160	12.005	11.945	12.048	VV	26	921	0.32%	0.190%
161	12.055	12.048	12.063	VV	14	116	0.04%	0.024%
162	12.075	12.063	12.083	VV	22	188	0.06%	0.039%
163	12.107	12.083	12.130	VV	25	591	0.20%	0.122%
164	12.167	12.130	12.200	VV	28	778	0.27%	0.161%
165	12.208	12.200	12.216	VV	22	105	0.04%	0.022%
166	12.232	12.216	12.248	PV	22	275	0.10%	0.057%
167	12.283	12.248	12.294	VV	48	571	0.20%	0.118%
168	12.330	12.294	12.370	VV	34	915	0.32%	0.189%
169	12.392	12.370	12.401	VV	25	221	0.08%	0.046%
170	12.416	12.401	12.426	VV	25	260	0.09%	0.054%
171	12.443	12.426	12.451	VV	27	297	0.10%	0.061%
172	12.458	12.451	12.484	VV	21	305	0.11%	0.063%
173	12.500	12.484	12.519	PV	13	177	0.06%	0.037%
174	12.527	12.519	12.532	VV	16	95	0.03%	0.020%
175	12.544	12.532	12.552	VV	30	264	0.09%	0.054%
176	12.563	12.552	12.604	VV	34	675	0.23%	0.139%
177	12.623	12.604	12.637	VV	24	394	0.14%	0.081%
178	12.647	12.637	12.671	VV	33	452	0.16%	0.093%
179	12.689	12.671	12.731	VV	31	814	0.28%	0.168%
180	12.758	12.731	12.773	VV	38	662	0.23%	0.137%

181	12.799	12.773	12.813	VV	39	727	0.25%	0.150%
182	12.916	12.813	12.994	VV	90	5590	1.93%	1.154%
183	13.039	12.994	13.053	VV	51	1421	0.49%	0.293%
184	13.081	13.053	13.095	VV	72	1245	0.43%	0.257%
185	13.105	13.095	13.115	VV	41	423	0.15%	0.087%
186	13.125	13.115	13.144	VV	38	497	0.17%	0.103%
187	13.196	13.144	13.204	VV	98	2130	0.74%	0.440%
188	13.211	13.204	13.241	VV	90	1550	0.53%	0.320%
189	13.246	13.241	13.273	VV	54	748	0.26%	0.154%
190	13.291	13.273	13.310	VV	53	527	0.18%	0.109%
191	13.330	13.310	13.337	PV	24	305	0.11%	0.063%
192	13.357	13.337	13.366	VV	35	440	0.15%	0.091%
193	13.388	13.366	13.398	VV	34	467	0.16%	0.096%
194	13.411	13.398	13.419	VV	40	351	0.12%	0.073%
195	13.426	13.419	13.432	VV	26	168	0.06%	0.035%
196	13.446	13.432	13.496	VV	42	993	0.34%	0.205%
197	13.506	13.496	13.525	VV	31	417	0.14%	0.086%
198	13.538	13.525	13.546	VV	25	299	0.10%	0.062%
199	13.557	13.546	13.565	VV	28	302	0.10%	0.062%
200	13.575	13.565	13.597	VV	48	481	0.17%	0.099%
201	13.604	13.597	13.622	VV	31	395	0.14%	0.082%
202	13.631	13.622	13.693	VV	32	916	0.32%	0.189%
203	13.721	13.693	13.742	VV	41	756	0.26%	0.156%
204	13.760	13.742	13.772	VV	35	515	0.18%	0.106%
205	13.789	13.772	13.798	VV	43	523	0.18%	0.108%
206	13.805	13.798	13.819	VV	43	445	0.15%	0.092%
207	13.891	13.819	13.913	VV	64	2482	0.86%	0.512%
208	13.944	13.913	13.981	VV	82	2661	0.92%	0.549%
209	13.992	13.981	14.003	VV	78	908	0.31%	0.188%
210	14.013	14.003	14.037	VV	74	1435	0.50%	0.296%
211	14.123	14.037	14.147	VV	178	8844	3.05%	1.826%
212	14.155	14.147	14.202	VV	172	4458	1.54%	0.920%
213	14.208	14.202	14.229	VV	92	1262	0.44%	0.261%
214	14.238	14.229	14.248	VV	59	631	0.22%	0.130%
215	14.258	14.248	14.315	VV	55	1308	0.45%	0.270%
216	14.322	14.315	14.344	VV	32	361	0.12%	0.075%
217	14.359	14.344	14.378	VV	27	421	0.15%	0.087%
218	14.394	14.378	14.401	VV	38	388	0.13%	0.080%
219	14.411	14.401	14.426	VV	41	504	0.17%	0.104%

220	14.442	14.426	14.460	VV	47	716	0.25%	0.148%
221	14.469	14.460	14.491	VV	36	457	0.16%	0.094%
222	14.524	14.491	14.538	VV	32	672	0.23%	0.139%
223	14.550	14.538	14.590	VV	29	657	0.23%	0.136%
224	14.611	14.590	14.625	VV	31	436	0.15%	0.090%
225	14.650	14.625	14.675	VV	38	732	0.25%	0.151%
226	14.717	14.675	14.738	VV	35	792	0.27%	0.163%
227	14.752	14.738	14.778	VV	25	451	0.16%	0.093%
228	14.799	14.778	14.808	PV	17	158	0.05%	0.033%
229	14.835	14.808	14.870	VV	39	777	0.27%	0.160%
230	14.893	14.870	14.909	VV	32	396	0.14%	0.082%
231	14.925	14.909	14.932	VV	28	254	0.09%	0.052%
232	14.957	14.932	14.989	VV	47	1047	0.36%	0.216%
233	15.014	14.989	15.024	VV	30	439	0.15%	0.091%
234	15.063	15.024	15.139	VV	76	3381	1.17%	0.698%
235	15.204	15.139	15.229	VV	45	1350	0.47%	0.279%
236	15.241	15.229	15.311	VV	34	870	0.30%	0.180%
237	15.326	15.311	15.336	VV	17	194	0.07%	0.040%
238	15.376	15.336	15.385	VV	48	960	0.33%	0.198%
239	15.415	15.385	15.446	VV	56	1664	0.57%	0.343%
240	15.457	15.446	15.475	VV	38	557	0.19%	0.115%
241	15.516	15.475	15.535	VV	48	1348	0.47%	0.278%
242	15.546	15.535	15.607	VV	37	1074	0.37%	0.222%
243	15.623	15.607	15.654	VV	33	604	0.21%	0.125%
244	15.665	15.654	15.673	VV	29	217	0.07%	0.045%
245	15.682	15.673	15.729	VV	24	403	0.14%	0.083%
246	15.747	15.729	15.782	VV	14	296	0.10%	0.061%
247	15.805	15.782	15.816	VV	28	362	0.13%	0.075%
248	15.824	15.816	15.840	VV	25	223	0.08%	0.046%
249	15.850	15.840	15.870	VV	11	136	0.05%	0.028%
250	15.883	15.870	15.894	VV	19	140	0.05%	0.029%
251	15.945	15.894	15.973	VV	30	664	0.23%	0.137%
252	15.989	15.973	16.001	VV	19	242	0.08%	0.050%
253	16.017	16.001	16.058	PV	31	661	0.23%	0.136%
254	16.081	16.058	16.091	VV	20	288	0.10%	0.059%
255	16.107	16.091	16.126	VV	31	334	0.12%	0.069%
256	16.185	16.126	16.244	VV	70	3213	1.11%	0.663%
257	16.251	16.244	16.264	VV	45	415	0.14%	0.086%
258	16.288	16.264	16.337	VV	33	983	0.34%	0.203%

259	16.346	16.337	16.357	VV	26	215	0.07%	0.044%
260	16.382	16.357	16.405	VV	28	566	0.20%	0.117%
261	16.432	16.405	16.447	VV	43	641	0.22%	0.132%
262	16.488	16.447	16.519	VV	37	1339	0.46%	0.276%
263	16.525	16.519	16.556	VV	34	397	0.14%	0.082%
264	16.563	16.556	16.570	VV	16	92	0.03%	0.019%
265	16.579	16.570	16.595	VV	32	197	0.07%	0.041%
266	16.610	16.595	16.623	PV	20	190	0.07%	0.039%
267	16.637	16.623	16.673	VV	38	515	0.18%	0.106%
268	16.692	16.673	16.708	VV	40	317	0.11%	0.065%
269	16.731	16.708	16.750	PV	34	593	0.20%	0.122%
270	16.779	16.750	16.805	VV	51	1085	0.37%	0.224%
271	16.823	16.805	16.831	VV	50	577	0.20%	0.119%
272	16.870	16.831	16.942	VV	57	2596	0.90%	0.536%
273	16.961	16.942	16.979	VV	42	503	0.17%	0.104%
274	17.023	16.979	17.054	PV	19	283	0.10%	0.058%
275	17.094	17.054	17.118	PV	13	106	0.04%	0.022%

Sum of corrected areas: 484444

FB062325.M Tue Jul 01 01:49:06 2025

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-59	SDG No.:	Q2458
Lab Sample ID:	Q2458-09	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	76.6 Decanted:
Sample Wt/Vol:	4.3 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
FB031982.D	1	06/30/25 18:23	FB063025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	15.0	J	13.0	68.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	16.3		50 - 150	82%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB063025\
Data File : FB031982.D
Signal(s) : FID2B.CH
Acq On : 30 Jun 2025 18:23
Operator : YP/AJ
Sample : Q2458-09
Misc : 4.30G/5.00 ML DI WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-59

Integration File: Calibration.e
Quant Time: Jul 01 01:08:35 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	8.805	251449	16.298 ng/ml
Target Compounds			

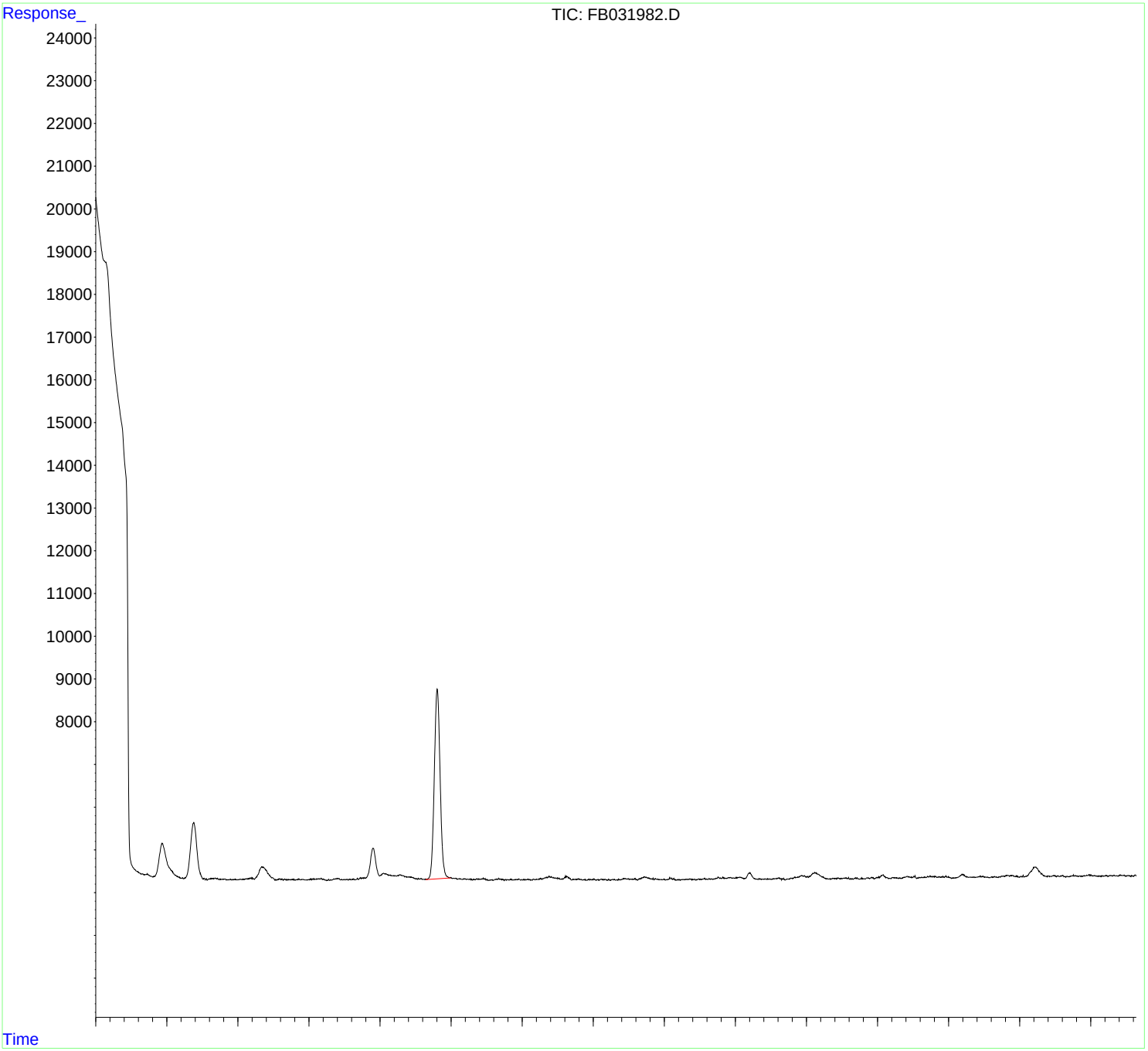
(f)=RT Delta > 1/2 Window (m)=manual int.

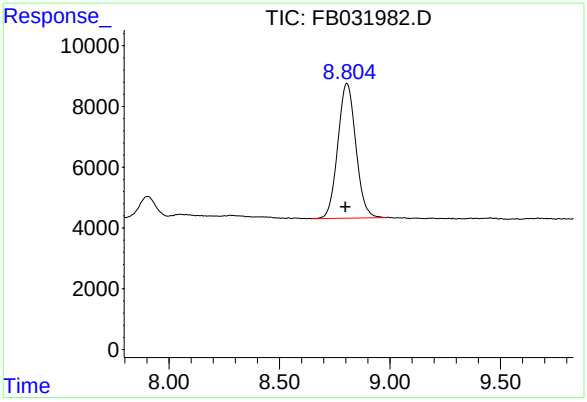
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB063025\
Data File : FB031982.D
Signal(s) : FID2B.CH
Acq On : 30 Jun 2025 18:23
Operator : YP/AJ
Sample : Q2458-09
Misc : 4.30G/5.00 ML DI WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-59

Integration File: Calibration.e
Quant Time: Jul 01 01:08:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
Quant Title :
QLast Update : Mon Jun 23 13:56:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#5 AAA-TFT

R.T.:	8.805 min
Delta R.T.:	0.007 min
Response:	251449
Conc:	16.30 ng/ml

Instrument :
FID_B
ClientSampleId :
TP-59

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB063025\
Data File : FB031982.D
Signal(s) : FID2B.CH
Acq On : 30 Jun 2025 18:23
Sample : Q2458-09
Misc : 4.30G/5.00 ML DI WATER
ALS Vial : 13 Sample Multiplier: 1

Integration File: SAMPLE.e

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

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	% max.	% of total
1	4.662	4.621	4.682	BV	15	181	0.07%	0.033%
2	4.729	4.682	4.807	PV	44	1169	0.45%	0.211%
3	5.224	5.205	5.240	VV	27	247	0.09%	0.045%
4	5.527	5.514	5.541	VV	38	433	0.17%	0.078%
5	5.558	5.541	5.569	VV	33	269	0.10%	0.049%
6	5.656	5.569	5.664	PV	42	1516	0.58%	0.274%
7	5.682	5.664	5.703	VV	47	855	0.33%	0.155%
8	5.712	5.703	5.730	VV	43	465	0.18%	0.084%
9	5.751	5.730	5.782	VV	21	484	0.19%	0.087%
10	5.795	5.782	5.804	VV	27	241	0.09%	0.044%
11	5.818	5.804	5.852	VV	26	428	0.16%	0.077%
12	5.860	5.852	5.865	VV	7	53	0.02%	0.010%
13	5.900	5.865	5.914	VV	20	335	0.13%	0.061%
14	5.926	5.914	5.940	VV	14	154	0.06%	0.028%
15	5.949	5.940	5.990	VV	17	349	0.13%	0.063%
16	6.000	5.990	6.021	VV	13	176	0.07%	0.032%
17	6.032	6.021	6.065	VV	23	439	0.17%	0.079%
18	6.074	6.065	6.082	VV	24	186	0.07%	0.034%
19	6.131	6.082	6.146	VV	36	988	0.38%	0.179%
20	6.153	6.146	6.162	VV	42	342	0.13%	0.062%
21	6.188	6.162	6.199	VV	56	921	0.35%	0.167%
22	6.207	6.199	6.232	VV	48	700	0.27%	0.126%
23	6.336	6.232	6.477	VV	318	26303	10.09%	4.756%

24	6.486	6.477	6.527	VV	62	1159	0.44%	0.209%
25	6.534	6.527	6.550	VV	17	91	0.04%	0.017%
26	6.559	6.550	6.564	PV	19	97	0.04%	0.018%
27	6.589	6.564	6.614	VV	37	662	0.25%	0.120%
28	6.622	6.614	6.637	VV	32	257	0.10%	0.046%
29	6.662	6.637	6.689	VV	28	458	0.18%	0.083%
30	6.694	6.689	6.711	VV	19	163	0.06%	0.030%
31	6.717	6.711	6.728	VV	23	144	0.06%	0.026%
32	6.737	6.728	6.748	VV	18	161	0.06%	0.029%
33	6.773	6.748	6.781	VV	25	315	0.12%	0.057%
34	6.787	6.781	6.801	VV	26	163	0.06%	0.030%
35	6.831	6.801	6.841	VV	19	257	0.10%	0.046%
36	6.852	6.841	6.878	VV	31	457	0.18%	0.083%
37	6.919	6.878	6.953	VV	21	627	0.24%	0.113%
38	7.033	6.953	7.042	VV	35	834	0.32%	0.151%
39	7.059	7.042	7.068	VV	38	388	0.15%	0.070%
40	7.076	7.068	7.103	VV	34	529	0.20%	0.096%
41	7.146	7.103	7.156	VV	37	985	0.38%	0.178%
42	7.172	7.156	7.190	VV	49	703	0.27%	0.127%
43	7.205	7.190	7.263	VB	29	481	0.18%	0.087%
44	7.279	7.265	7.293	BV	24	134	0.05%	0.024%
45	7.306	7.293	7.319	PV	20	163	0.06%	0.029%
46	7.351	7.319	7.359	VV	39	545	0.21%	0.099%
47	7.407	7.359	7.440	VV	49	1848	0.71%	0.334%
48	7.460	7.440	7.472	VV	28	359	0.14%	0.065%
49	7.500	7.472	7.510	VV	25	420	0.16%	0.076%
50	7.519	7.510	7.532	VV	24	284	0.11%	0.051%
51	7.541	7.532	7.554	VV	26	288	0.11%	0.052%
52	7.578	7.554	7.596	VV	30	556	0.21%	0.101%
53	7.611	7.596	7.621	VV	30	349	0.13%	0.063%
54	7.632	7.621	7.643	VV	38	344	0.13%	0.062%
55	7.684	7.643	7.696	VV	53	870	0.33%	0.157%
56	7.777	7.696	7.789	VV	71	2883	1.11%	0.521%
57	7.904	7.789	7.996	VV	756	43250	16.59%	7.820%
58	8.051	7.996	8.231	VV	170	18284	7.01%	3.306%
59	8.278	8.231	8.383	VV	135	9862	3.78%	1.783%
60	8.401	8.383	8.556	VV	83	6147	2.36%	1.112%
61	8.573	8.556	8.644	VV	45	1632	0.63%	0.295%
62	8.805	8.644	9.023	VV	4476	260710	100.00%	47.140%

63	9.037	9.023	9.093	VV	51	1848	0.71%	0.334%
64	9.117	9.093	9.160	VV	42	1327	0.51%	0.240%
65	9.181	9.160	9.218	VV	41	1099	0.42%	0.199%
66	9.233	9.218	9.252	VV	30	548	0.21%	0.099%
67	9.286	9.252	9.299	VV	38	701	0.27%	0.127%
68	9.366	9.299	9.405	VV	38	1609	0.62%	0.291%
69	9.454	9.405	9.531	VV	55	1989	0.76%	0.360%
70	9.575	9.531	9.595	VV	16	314	0.12%	0.057%
71	9.671	9.595	9.752	VV	44	2166	0.83%	0.392%
72	9.837	9.752	9.884	VV	27	1209	0.46%	0.219%
73	9.955	9.884	9.981	VV	33	1110	0.43%	0.201%
74	9.996	9.981	10.012	VV	17	212	0.08%	0.038%
75	10.024	10.012	10.054	VV	27	386	0.15%	0.070%
76	10.084	10.054	10.140	VV	26	900	0.35%	0.163%
77	10.160	10.140	10.180	VV	28	467	0.18%	0.084%
78	10.211	10.180	10.229	VV	28	657	0.25%	0.119%
79	10.263	10.229	10.281	VV	45	1055	0.40%	0.191%
80	10.382	10.281	10.397	VV	98	4341	1.66%	0.785%
81	10.409	10.397	10.560	VV	82	5138	1.97%	0.929%
82	10.612	10.560	10.697	VV	97	4488	1.72%	0.811%
83	10.717	10.697	10.761	VV	25	776	0.30%	0.140%
84	10.793	10.761	10.853	VV	43	1197	0.46%	0.216%
85	10.883	10.853	10.913	VV	27	418	0.16%	0.076%
86	10.940	10.913	10.956	VV	34	428	0.16%	0.077%
87	11.007	10.956	11.045	VV	36	1001	0.38%	0.181%
88	11.063	11.045	11.089	PV	19	339	0.13%	0.061%
89	11.113	11.089	11.159	VV	32	818	0.31%	0.148%
90	11.170	11.159	11.209	VV	26	404	0.15%	0.073%
91	11.219	11.209	11.242	VV	27	271	0.10%	0.049%
92	11.273	11.242	11.326	VV	23	682	0.26%	0.123%
93	11.359	11.326	11.399	VV	19	664	0.25%	0.120%
94	11.451	11.399	11.482	VV	43	1650	0.63%	0.298%
95	11.493	11.482	11.518	VV	38	671	0.26%	0.121%
96	11.528	11.518	11.572	VV	30	877	0.34%	0.159%
97	11.589	11.572	11.624	VV	41	746	0.29%	0.135%
98	11.721	11.624	11.858	VV	80	6682	2.56%	1.208%
99	11.874	11.858	11.971	VV	36	1545	0.59%	0.279%
100	11.998	11.971	12.016	VV	32	484	0.19%	0.088%
101	12.080	12.016	12.095	VV	61	1263	0.48%	0.228%

102	12.104	12.095	12.119	VV	54	499	0.19%	0.090%
103	12.134	12.119	12.166	VV	43	587	0.23%	0.106%
104	12.194	12.166	12.227	PV	18	427	0.16%	0.077%
105	12.261	12.227	12.283	VV	21	500	0.19%	0.090%
106	12.361	12.283	12.445	VV	35	1957	0.75%	0.354%
107	12.484	12.445	12.520	VV	32	848	0.33%	0.153%
108	12.566	12.520	12.614	VV	47	1499	0.57%	0.271%
109	12.632	12.614	12.681	VV	41	1074	0.41%	0.194%
110	12.760	12.681	12.804	VV	67	3120	1.20%	0.564%
111	12.822	12.804	12.865	VV	73	1857	0.71%	0.336%
112	12.933	12.865	13.001	VV	65	4134	1.59%	0.747%
113	13.064	13.001	13.129	VV	69	4174	1.60%	0.755%
114	13.201	13.129	13.319	VV	163	8886	3.41%	1.607%
115	13.336	13.319	13.410	VV	36	1192	0.46%	0.216%
116	13.419	13.410	13.434	VV	32	328	0.13%	0.059%
117	13.452	13.434	13.474	VV	25	516	0.20%	0.093%
118	13.487	13.474	13.507	VV	22	394	0.15%	0.071%
119	13.539	13.507	13.555	VV	33	732	0.28%	0.132%
120	13.611	13.555	13.700	VV	49	2549	0.98%	0.461%
121	13.782	13.700	13.810	PV	39	1606	0.62%	0.290%
122	13.930	13.810	13.958	VV	104	6116	2.35%	1.106%
123	13.972	13.958	14.030	VV	99	3236	1.24%	0.585%
124	14.117	14.030	14.309	VV	174	15248	5.85%	2.757%
125	14.327	14.309	14.340	VV	20	264	0.10%	0.048%
126	14.380	14.340	14.424	VV	28	1073	0.41%	0.194%
127	14.448	14.424	14.482	VV	30	854	0.33%	0.154%
128	14.562	14.482	14.582	VV	38	1543	0.59%	0.279%
129	14.592	14.582	14.658	VV	37	586	0.22%	0.106%
130	14.713	14.658	14.749	PV	33	939	0.36%	0.170%
131	14.780	14.749	14.827	PV	22	563	0.22%	0.102%
132	14.854	14.827	14.891	VV	29	838	0.32%	0.152%
133	14.919	14.891	14.952	VV	46	1021	0.39%	0.185%
134	15.077	14.952	15.158	VV	96	5593	2.15%	1.011%
135	15.172	15.158	15.192	VV	15	222	0.09%	0.040%
136	15.219	15.192	15.295	VV	35	1424	0.55%	0.257%
137	15.418	15.295	15.492	VV	57	3705	1.42%	0.670%
138	15.528	15.492	15.570	VV	72	1450	0.56%	0.262%
139	15.590	15.570	15.609	VV	26	479	0.18%	0.087%
140	15.621	15.609	15.633	VV	36	376	0.14%	0.068%

141	15.665	15.633	15.682	VV	39	841	0.32%	0.152%
142	15.706	15.682	15.729	VV	49	1026	0.39%	0.185%
143	15.742	15.729	15.838	VV	64	2762	1.06%	0.499%
144	15.871	15.838	15.886	VV	42	906	0.35%	0.164%
145	15.915	15.886	15.940	VV	36	1022	0.39%	0.185%
146	15.962	15.940	16.049	VV	55	1599	0.61%	0.289%
147	16.205	16.049	16.280	PV	85	4804	1.84%	0.869%
148	16.300	16.280	16.341	VV	21	653	0.25%	0.118%
149	16.351	16.341	16.383	VV	22	437	0.17%	0.079%
150	16.442	16.383	16.460	VV	45	1134	0.43%	0.205%
151	16.485	16.460	16.582	VV	31	1249	0.48%	0.226%
152	16.607	16.582	16.622	PV	21	278	0.11%	0.050%
153	16.648	16.622	16.695	VV	26	601	0.23%	0.109%
154	16.712	16.695	16.728	VV	20	253	0.10%	0.046%
155	16.753	16.728	16.792	VV	35	1058	0.41%	0.191%
156	16.823	16.792	16.858	VV	52	1626	0.62%	0.294%
157	16.900	16.858	16.943	VV	47	1744	0.67%	0.315%
158	16.967	16.943	16.998	VV	37	577	0.22%	0.104%
159	17.021	16.998	17.034	PV	24	264	0.10%	0.048%
160	17.049	17.034	17.065	PV	33	241	0.09%	0.044%

Sum of corrected areas: 553058

FB062325.M Tue Jul 01 01:49:36 2025

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	FB-06272025	SDG No.:	Q2458
Lab Sample ID:	Q2458-10	Matrix:	Water
Analytical Method:	8015D GRO	% Solid:	0 Decanted:
Sample Wt/Vol:	5 Units: mL	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
FB031994.D	1	07/01/25 15:23	FB070125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
GRO	GRO	8.00	J	6.00	45.0	ug/L
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	11.6		50 - 150	58%	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\FB070125\
Data File : FB031994.D
Signal(s) : FID2B.CH
Acq On : 1 Jul 2025 15:23
Operator : YP/AJ
Sample : Q2458-10
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
FB-06272025

Integration File: Calibration.e
Quant Time: Jul 02 00:02:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
Quant Title :
QLast Update : Mon Jun 23 13:56:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
5) s AAA-TFT	8.806	179153	11.612 ng/ml
Target Compounds			

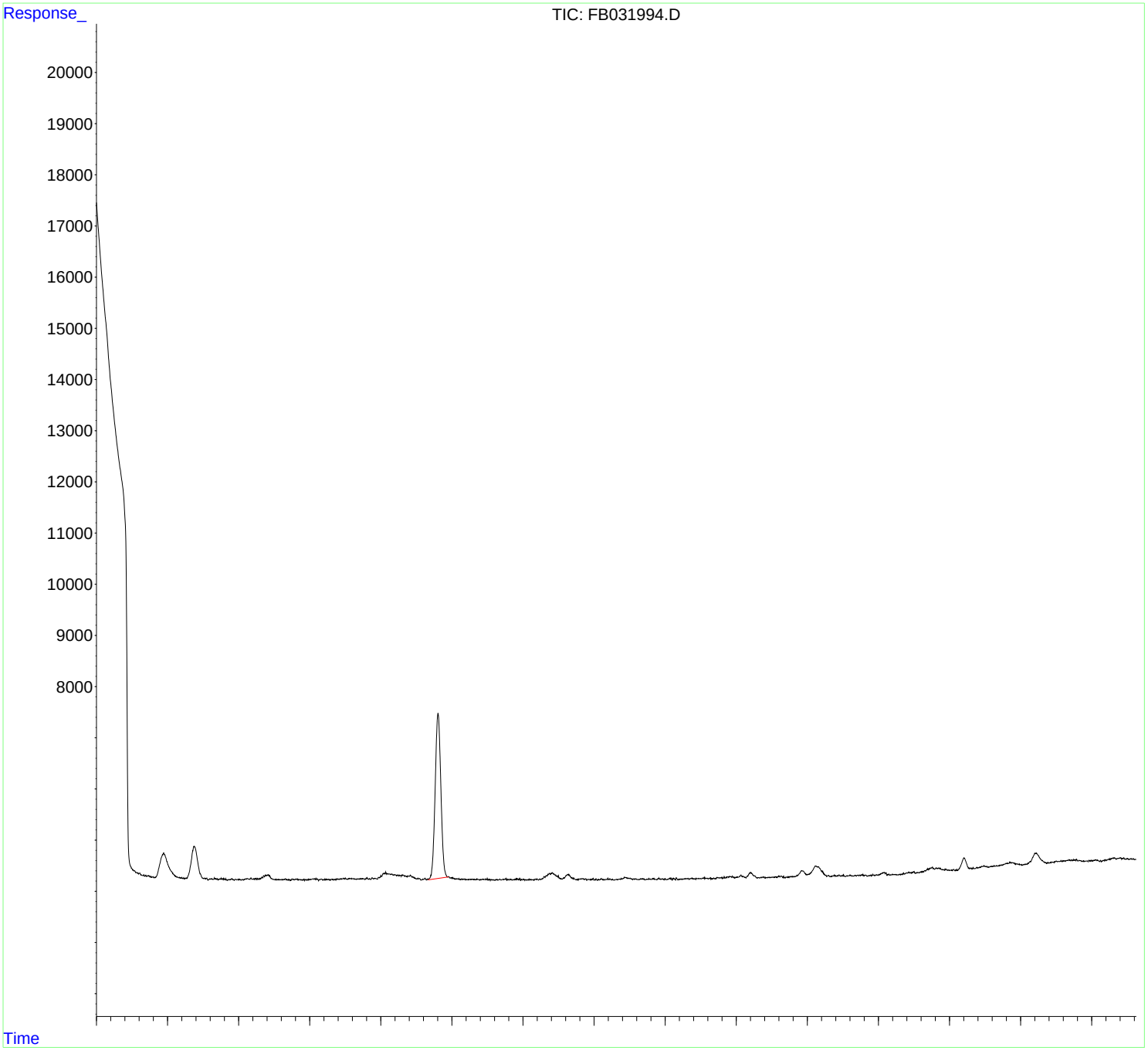
(f)=RT Delta > 1/2 Window (m)=manual int.

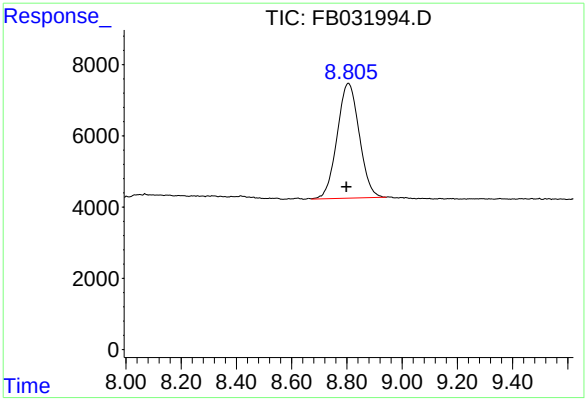
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB070125\
Data File : FB031994.D
Signal(s) : FID2B.CH
Acq On : 1 Jul 2025 15:23
Operator : YP/AJ
Sample : Q2458-10
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
FB-06272025

Integration File: Calibration.e
Quant Time: Jul 02 00:02:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
Quant Title :
QLast Update : Mon Jun 23 13:56:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#5 AAA-TFT

R.T.:	8.806 min
Delta R.T.:	0.008 min
Response:	179153
Conc:	11.61 ng/ml

Instrument :
FID_B
ClientSampleId :
FB-06272025

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB070125\
Data File : FB031994.D
Signal(s) : FID2B.CH
Acq On : 1 Jul 2025 15:23
Sample : Q2458-10
Misc : 5.00G/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	4.694	4.685	4.705	PV	17	114	0.06%	0.026%
2	4.727	4.705	4.758	PV	23	412	0.22%	0.096%
3	4.765	4.758	4.782	VV	15	73	0.04%	0.017%
4	4.796	4.782	4.809	VV	19	137	0.07%	0.032%
5	5.141	5.134	5.218	VV	37	1172	0.63%	0.272%
6	5.227	5.218	5.238	VV	25	166	0.09%	0.038%
7	5.516	5.504	5.539	VV	37	645	0.35%	0.150%
8	5.551	5.539	5.569	VV	37	440	0.24%	0.102%
9	5.594	5.569	5.606	PV	24	351	0.19%	0.081%
10	5.620	5.606	5.642	VV	28	488	0.26%	0.113%
11	5.660	5.642	5.690	VV	43	779	0.42%	0.180%
12	5.703	5.690	5.715	VV	30	297	0.16%	0.069%
13	5.740	5.715	5.749	VV	31	417	0.22%	0.097%
14	5.758	5.749	5.798	VV	37	754	0.40%	0.175%
15	5.807	5.798	5.815	VV	26	214	0.11%	0.050%
16	5.821	5.815	5.829	VV	27	126	0.07%	0.029%
17	5.837	5.829	5.846	VV	12	75	0.04%	0.017%
18	5.861	5.846	5.873	PV	19	189	0.10%	0.044%
19	5.904	5.873	5.939	VV	31	726	0.39%	0.168%
20	5.955	5.939	5.974	VV	22	315	0.17%	0.073%
21	5.992	5.974	6.035	VV	23	586	0.31%	0.136%
22	6.053	6.035	6.071	VV	19	295	0.16%	0.068%
23	6.124	6.071	6.152	VV	40	1302	0.70%	0.302%

24	6.175	6.152	6.190	VV	52	776	0.42%	0.180%
25	6.210	6.190	6.221	VV	32	477	0.26%	0.110%
26	6.239	6.221	6.260	VV	42	784	0.42%	0.182%
27	6.269	6.260	6.285	VV	42	436	0.23%	0.101%
28	6.329	6.285	6.340	VV	65	1361	0.73%	0.315%
29	6.355	6.340	6.366	VV	95	1241	0.67%	0.287%
30	6.415	6.366	6.516	VV	116	6035	3.24%	1.398%
31	6.532	6.516	6.553	VV	26	409	0.22%	0.095%
32	6.561	6.553	6.570	VV	27	204	0.11%	0.047%
33	6.577	6.570	6.597	VV	20	272	0.15%	0.063%
34	6.609	6.597	6.632	VV	25	410	0.22%	0.095%
35	6.660	6.632	6.673	VV	38	613	0.33%	0.142%
36	6.682	6.673	6.696	VV	26	238	0.13%	0.055%
37	6.705	6.696	6.717	VV	27	233	0.13%	0.054%
38	6.722	6.717	6.730	VV	21	95	0.05%	0.022%
39	6.753	6.730	6.789	PV	31	678	0.36%	0.157%
40	6.814	6.789	6.880	VV	34	1220	0.66%	0.283%
41	6.891	6.880	6.902	VV	23	204	0.11%	0.047%
42	6.915	6.902	6.929	VV	27	273	0.15%	0.063%
43	6.953	6.929	6.964	VV	26	321	0.17%	0.074%
44	6.989	6.964	7.005	VV	29	478	0.26%	0.111%
45	7.052	7.005	7.062	VV	39	987	0.53%	0.229%
46	7.071	7.062	7.098	VV	37	660	0.35%	0.153%
47	7.108	7.098	7.126	VV	37	374	0.20%	0.087%
48	7.141	7.126	7.149	PV	25	235	0.13%	0.054%
49	7.163	7.149	7.184	VV	32	502	0.27%	0.116%
50	7.197	7.184	7.206	VV	23	217	0.12%	0.050%
51	7.239	7.206	7.258	VV	29	618	0.33%	0.143%
52	7.268	7.258	7.283	VV	29	301	0.16%	0.070%
53	7.310	7.283	7.340	VV	29	702	0.38%	0.163%
54	7.351	7.340	7.368	VV	27	328	0.18%	0.076%
55	7.375	7.368	7.388	VV	35	343	0.18%	0.080%
56	7.396	7.388	7.417	VV	37	508	0.27%	0.118%
57	7.435	7.417	7.444	VV	39	510	0.27%	0.118%
58	7.474	7.444	7.491	VV	46	1025	0.55%	0.238%
59	7.501	7.491	7.532	VV	54	895	0.48%	0.207%
60	7.567	7.532	7.580	VV	46	1048	0.56%	0.243%
61	7.588	7.580	7.655	VV	44	1546	0.83%	0.358%
62	7.670	7.655	7.682	VV	38	519	0.28%	0.120%

63	7.713	7.682	7.724	VV	46	850	0.46%	0.197%
64	7.742	7.724	7.755	VV	41	666	0.36%	0.154%
65	7.765	7.755	7.778	VV	37	452	0.24%	0.105%
66	7.808	7.778	7.833	VV	56	1223	0.66%	0.283%
67	7.844	7.833	7.859	VV	41	471	0.25%	0.109%
68	7.879	7.859	7.904	VV	56	1076	0.58%	0.249%
69	7.920	7.904	7.952	VV	47	1127	0.61%	0.261%
70	7.969	7.952	7.982	VV	62	915	0.49%	0.212%
71	8.003	7.982	8.012	VV	100	1357	0.73%	0.314%
72	8.051	8.012	8.060	VV	145	3551	1.91%	0.823%
73	8.069	8.060	8.139	VV	168	6348	3.41%	1.471%
74	8.148	8.139	8.175	VV	128	2630	1.41%	0.609%
75	8.192	8.175	8.229	VV	118	3494	1.88%	0.810%
76	8.239	8.229	8.305	VV	109	4653	2.50%	1.078%
77	8.313	8.305	8.335	VV	107	1783	0.96%	0.413%
78	8.343	8.335	8.354	VV	97	1044	0.56%	0.242%
79	8.359	8.354	8.368	VV	87	670	0.36%	0.155%
80	8.383	8.368	8.395	VV	91	1338	0.72%	0.310%
81	8.417	8.395	8.441	VV	109	2461	1.32%	0.570%
82	8.447	8.441	8.513	VV	77	2223	1.19%	0.515%
83	8.522	8.513	8.570	VV	43	1099	0.59%	0.255%
84	8.623	8.570	8.645	VV	45	1139	0.61%	0.264%
85	8.663	8.645	8.672	VV	36	385	0.21%	0.089%
86	8.806	8.672	8.942	VV	3270	186085	100.00%	43.111%
87	8.950	8.942	8.988	VV	78	1736	0.93%	0.402%
88	8.997	8.988	9.008	VV	59	660	0.35%	0.153%
89	9.015	9.008	9.052	VV	59	1076	0.58%	0.249%
90	9.075	9.052	9.091	VV	37	745	0.40%	0.173%
91	9.100	9.091	9.113	VV	32	359	0.19%	0.083%
92	9.122	9.113	9.126	VV	21	165	0.09%	0.038%
93	9.138	9.126	9.155	VV	34	450	0.24%	0.104%
94	9.185	9.155	9.217	VV	33	873	0.47%	0.202%
95	9.293	9.217	9.311	VV	26	1237	0.66%	0.287%
96	9.316	9.311	9.335	VV	26	282	0.15%	0.065%
97	9.355	9.335	9.394	VV	34	731	0.39%	0.169%
98	9.404	9.394	9.414	VV	18	198	0.11%	0.046%
99	9.428	9.414	9.461	VV	27	625	0.34%	0.145%
100	9.471	9.461	9.486	VV	33	345	0.19%	0.080%
101	9.498	9.486	9.511	VV	37	303	0.16%	0.070%

102	9.520	9.511	9.542	VV	29	375	0.20%	0.087%
103	9.556	9.542	9.565	VV	22	216	0.12%	0.050%
104	9.575	9.565	9.597	VV	21	275	0.15%	0.064%
105	9.606	9.597	9.611	VV	12	75	0.04%	0.017%
106	9.620	9.611	9.631	VV	23	179	0.10%	0.041%
107	9.638	9.631	9.650	VV	24	196	0.11%	0.045%
108	9.675	9.650	9.687	VV	29	401	0.22%	0.093%
109	9.725	9.687	9.733	VV	28	472	0.25%	0.109%
110	9.764	9.733	9.774	VV	38	597	0.32%	0.138%
111	9.782	9.774	9.806	VV	22	290	0.16%	0.067%
112	9.818	9.806	9.825	VV	26	205	0.11%	0.047%
113	9.835	9.825	9.848	VV	28	248	0.13%	0.058%
114	9.860	9.848	9.881	VV	18	288	0.15%	0.067%
115	9.888	9.881	9.897	VV	28	211	0.11%	0.049%
116	9.921	9.897	9.943	VV	39	736	0.40%	0.171%
117	9.955	9.943	9.967	VV	48	353	0.19%	0.082%
118	9.976	9.967	9.993	PV	28	247	0.13%	0.057%
119	10.005	9.993	10.029	VV	29	420	0.23%	0.097%
120	10.039	10.029	10.059	VV	19	246	0.13%	0.057%
121	10.075	10.059	10.084	VV	23	217	0.12%	0.050%
122	10.093	10.084	10.107	VV	22	198	0.11%	0.046%
123	10.113	10.107	10.132	VV	26	230	0.12%	0.053%
124	10.140	10.132	10.158	VV	18	199	0.11%	0.046%
125	10.177	10.158	10.190	VV	28	381	0.21%	0.088%
126	10.199	10.190	10.221	VV	31	375	0.20%	0.087%
127	10.236	10.221	10.251	VV	29	359	0.19%	0.083%
128	10.261	10.251	10.267	VV	32	241	0.13%	0.056%
129	10.277	10.267	10.282	VV	41	302	0.16%	0.070%
130	10.297	10.282	10.313	VV	74	1134	0.61%	0.263%
131	10.371	10.313	10.387	VV	140	4840	2.60%	1.121%
132	10.415	10.387	10.555	VV	154	8922	4.79%	2.067%
133	10.572	10.555	10.582	VV	50	626	0.34%	0.145%
134	10.630	10.582	10.694	VV	115	5568	2.99%	1.290%
135	10.701	10.694	10.709	VV	49	347	0.19%	0.080%
136	10.717	10.709	10.748	VV	49	615	0.33%	0.142%
137	10.756	10.748	10.762	VV	19	118	0.06%	0.027%
138	10.770	10.762	10.777	VV	24	154	0.08%	0.036%
139	10.806	10.777	10.821	VV	33	638	0.34%	0.148%
140	10.831	10.821	10.863	VV	40	750	0.40%	0.174%

141	10.880	10.863	10.898	VV	29	425	0.23%	0.098%
142	10.918	10.898	10.935	PV	22	325	0.17%	0.075%
143	10.987	10.935	11.002	VV	36	761	0.41%	0.176%
144	11.030	11.002	11.050	VV	27	365	0.20%	0.085%
145	11.064	11.050	11.079	VV	19	191	0.10%	0.044%
146	11.104	11.079	11.136	VV	28	577	0.31%	0.134%
147	11.145	11.136	11.152	VV	16	113	0.06%	0.026%
148	11.194	11.152	11.250	VV	40	1019	0.55%	0.236%
149	11.259	11.250	11.286	VV	20	182	0.10%	0.042%
150	11.314	11.286	11.335	VV	19	326	0.18%	0.076%
151	11.354	11.335	11.369	VV	22	370	0.20%	0.086%
152	11.429	11.369	11.479	VV	59	2507	1.35%	0.581%
153	11.510	11.479	11.524	VV	39	907	0.49%	0.210%
154	11.531	11.524	11.546	VV	29	259	0.14%	0.060%
155	11.554	11.546	11.578	VV	24	411	0.22%	0.095%
156	11.585	11.578	11.633	VV	27	513	0.28%	0.119%
157	11.691	11.633	11.718	VV	28	943	0.51%	0.218%
158	11.771	11.718	11.810	VV	29	876	0.47%	0.203%
159	11.825	11.810	11.877	VV	35	766	0.41%	0.177%
160	11.913	11.877	11.944	VV	36	802	0.43%	0.186%
161	11.962	11.944	11.991	VV	25	462	0.25%	0.107%
162	12.000	11.991	12.030	VV	29	324	0.17%	0.075%
163	12.065	12.030	12.074	VV	40	556	0.30%	0.129%
164	12.082	12.074	12.097	VV	43	332	0.18%	0.077%
165	12.114	12.097	12.123	VV	35	311	0.17%	0.072%
166	12.128	12.123	12.147	VV	25	213	0.11%	0.049%
167	12.157	12.147	12.189	PV	45	487	0.26%	0.113%
168	12.197	12.189	12.230	VV	16	299	0.16%	0.069%
169	12.238	12.230	12.247	VV	20	145	0.08%	0.033%
170	12.290	12.247	12.310	VV	23	681	0.37%	0.158%
171	12.321	12.310	12.339	VV	25	307	0.16%	0.071%
172	12.379	12.339	12.432	VV	34	1018	0.55%	0.236%
173	12.440	12.432	12.446	VV	24	149	0.08%	0.035%
174	12.471	12.446	12.512	VV	21	673	0.36%	0.156%
175	12.558	12.512	12.607	VV	37	1145	0.62%	0.265%
176	12.639	12.607	12.669	VV	31	553	0.30%	0.128%
177	12.685	12.669	12.702	VV	24	283	0.15%	0.066%
178	12.734	12.702	12.763	VV	34	803	0.43%	0.186%
179	12.799	12.763	12.813	VV	29	752	0.40%	0.174%
180	12.832	12.813	12.845	VV	51	487	0.26%	0.113%

181	12.910	12.845	12.982	VV	54	2934	1.58%	0.680%
182	13.066	12.982	13.138	VV	70	3491	1.88%	0.809%
183	13.201	13.138	13.299	VV	119	6070	3.26%	1.406%
184	13.313	13.299	13.331	VV	17	244	0.13%	0.057%
185	13.388	13.331	13.415	VV	26	832	0.45%	0.193%
186	13.462	13.415	13.476	VV	17	478	0.26%	0.111%
187	13.517	13.476	13.532	VV	22	543	0.29%	0.126%
188	13.550	13.532	13.577	VV	29	505	0.27%	0.117%
189	13.601	13.577	13.616	VV	40	665	0.36%	0.154%
190	13.632	13.616	13.681	VV	39	895	0.48%	0.207%
191	13.923	13.681	13.993	PV	136	9353	5.03%	2.167%
192	14.118	13.993	14.277	VV	220	20638	11.09%	4.781%
193	14.296	14.277	14.325	VV	31	586	0.31%	0.136%
194	14.382	14.325	14.412	VV	34	967	0.52%	0.224%
195	14.448	14.412	14.468	VV	35	799	0.43%	0.185%
196	14.506	14.468	14.537	VV	33	746	0.40%	0.173%
197	14.601	14.537	14.652	VV	33	1079	0.58%	0.250%
198	14.674	14.652	14.691	VV	23	402	0.22%	0.093%
199	14.709	14.691	14.727	VV	22	408	0.22%	0.095%
200	14.758	14.727	14.797	VV	29	927	0.50%	0.215%
201	14.819	14.797	14.843	VV	22	432	0.23%	0.100%
202	14.890	14.843	14.913	PV	22	448	0.24%	0.104%
203	14.925	14.913	14.955	VV	24	429	0.23%	0.099%
204	14.978	14.955	14.993	VV	24	401	0.22%	0.093%
205	15.079	14.993	15.131	VV	64	3098	1.66%	0.718%
206	15.145	15.131	15.162	VV	24	293	0.16%	0.068%
207	15.204	15.162	15.278	VV	17	657	0.35%	0.152%
208	15.353	15.278	15.373	PV	34	611	0.33%	0.142%
209	15.428	15.373	15.465	VV	44	1450	0.78%	0.336%
210	15.497	15.465	15.520	VV	35	977	0.53%	0.226%
211	15.557	15.520	15.575	VV	18	543	0.29%	0.126%
212	15.759	15.575	15.790	VV	103	7291	3.92%	1.689%
213	15.813	15.790	15.932	VV	87	4964	2.67%	1.150%
214	15.949	15.932	16.043	VV	49	1595	0.86%	0.369%
215	16.059	16.043	16.080	VV	30	362	0.19%	0.084%
216	16.206	16.080	16.350	PV	237	12173	6.54%	2.820%
217	16.385	16.350	16.403	VV	33	557	0.30%	0.129%
218	16.486	16.403	16.555	VV	51	2797	1.50%	0.648%
219	16.856	16.555	16.870	VV	72	7080	3.80%	1.640%

220	16.884	16.870	17.029	VV	66	3081	1.66%	0.714%

Sum of corrected areas: 431642

FB062325.M Wed Jul 02 00:22:10 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.: Q2458 SAS No.: Q2458 SDG No.: Q2458

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**

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.: Q2458 SAS No.: Q2458 SDG No.: Q2458

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

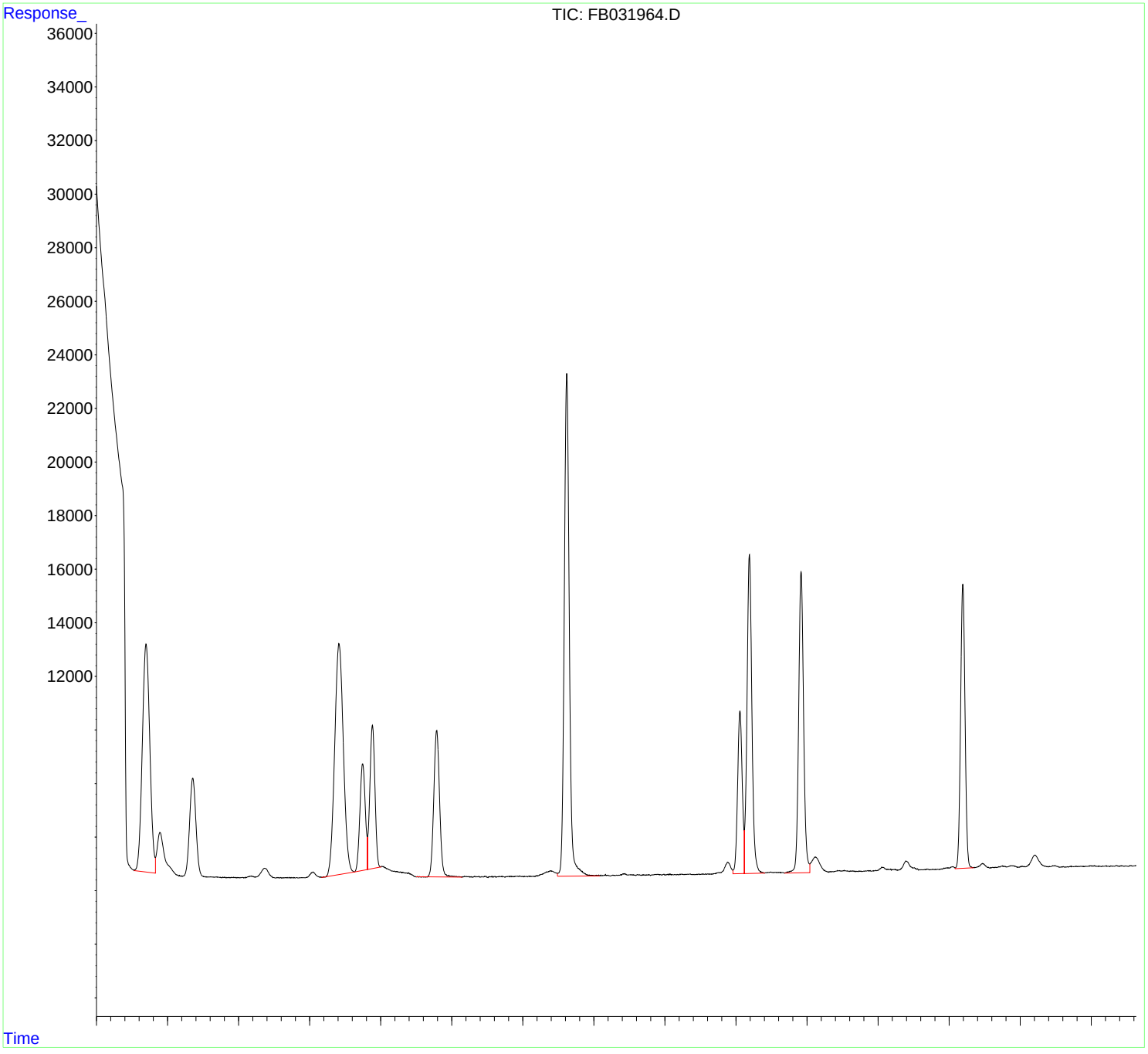
(f)=RT Delta > 1/2 Window (m)=manual int.

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

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.: Q2458 SAS No.: Q2458 SDG No.: Q2458

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

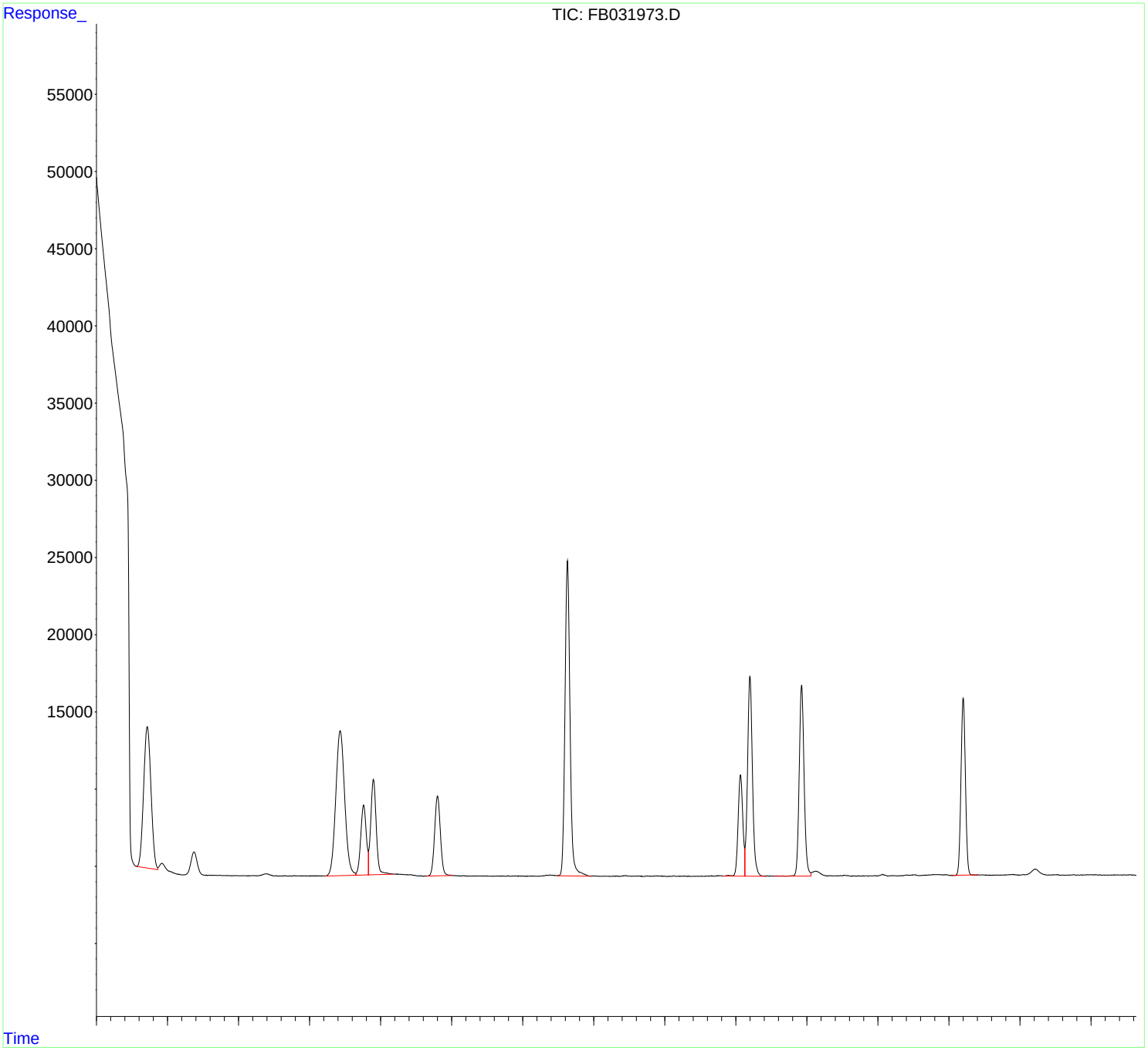
(f)=RT Delta > 1/2 Window (m)=manual int.

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

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.: Q2458 SAS No.: Q2458 SDG No.: Q2458

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

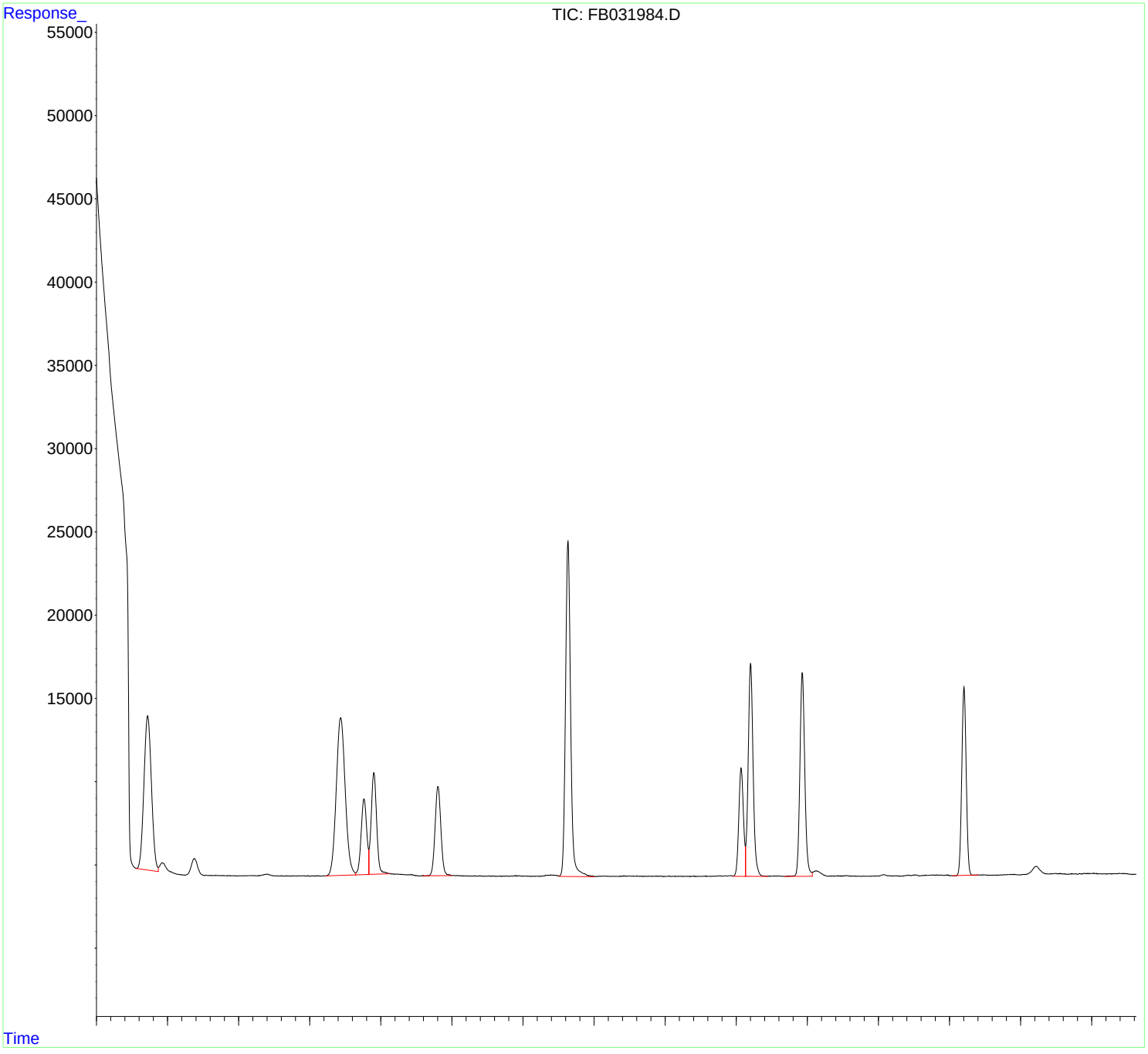
(f)=RT Delta > 1/2 Window (m)=manual int.

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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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.: Q2458 SAS No.: Q2458 SDG No.: Q2458

DataFile: FB031985.D Analyst Name: YP/AJ Analyst Date: 07-01-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	5120206	28446	29754	4.396

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB070125\
Data File : FB031985.D
Signal(s) : FID2B.CH
Acq On : 1 Jul 2025 9:31
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Jul 01 09:20:19 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	274377	17.785	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.713	611516	24.037	ng/ml
2) t	2,2,4-Trimethylpentane	7.423	825406	30.607	ng/ml
3) t	n-Heptane	7.756	252591	10.123	ng/ml
4) t	Benzene	7.894	390920	11.498	ng/ml
6) t	Toluene	10.625	1001997	28.022	ng/ml
7) t	Ethylbenzene	13.061	304924	9.656	ng/ml
8) t	m-Xylene	13.194	627616	19.135	ng/ml
9) t	O-Xylene	13.921	595407	19.184	ng/ml
10) t	1,2,4-Trimethylbenzene	16.196	509829	19.282	ng/ml

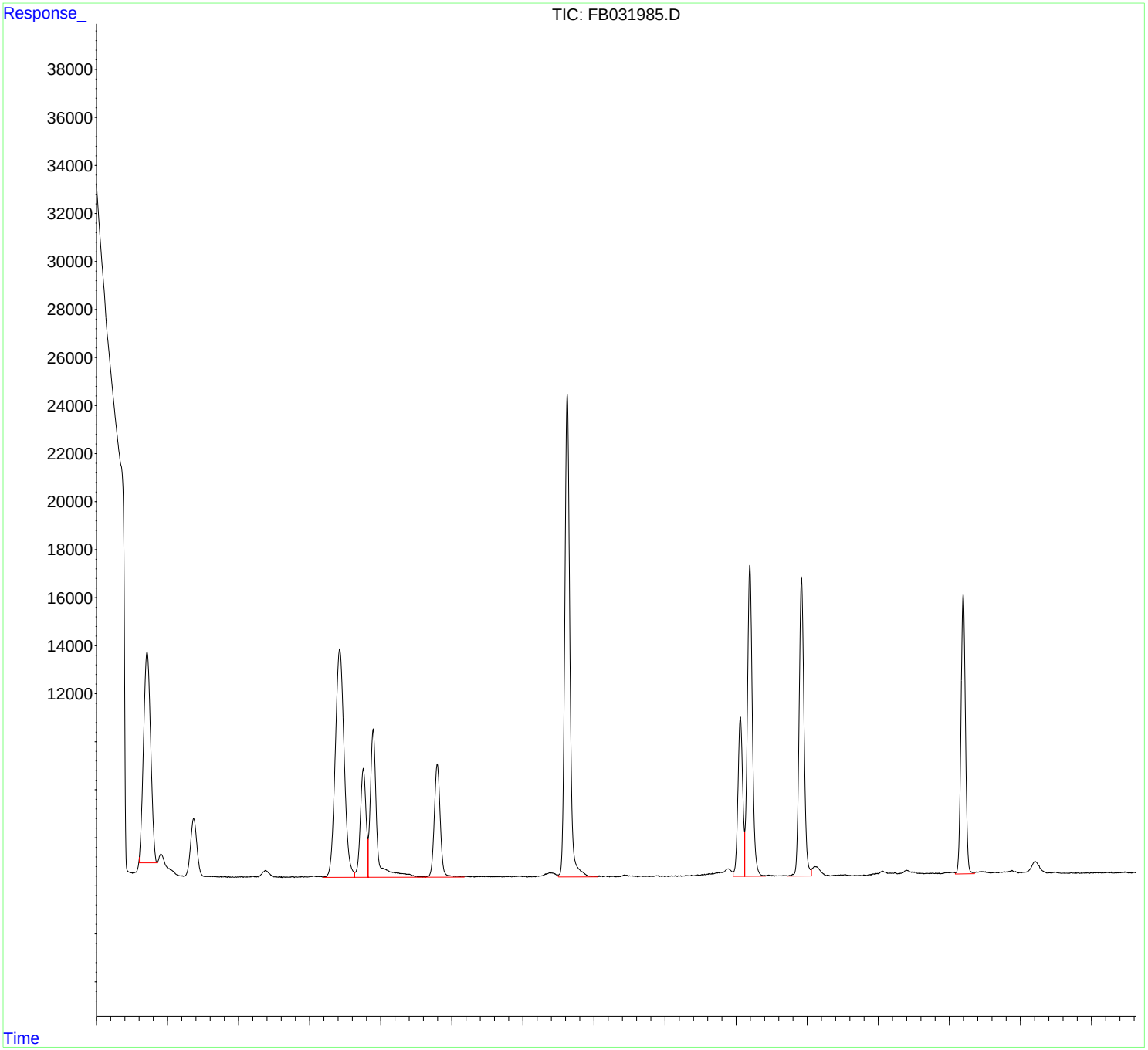
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB070125\
Data File : FB031985.D
Signal(s) : FID2B.CH
Acq On : 1 Jul 2025 9:31
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Jul 01 09:20:19 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\FB070125\
Data File : FB031985.D
Signal(s) : FID2B.CH
Acq On : 1 Jul 2025 9:31
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: Calibration.e

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

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	% max.	% of total
1	4.713	4.555	4.854	VV	9250	687834	69.25%	12.846%
2	7.424	7.227	7.632	PV	9453	811332	81.68%	15.152%
3	7.755	7.632	7.823	VV	4416	242242	24.39%	4.524%
4	7.894	7.823	8.206	VV	6037	332245	33.45%	6.205%
5	8.796	8.620	9.055	BV	4692	267337	26.91%	4.993%
6	10.625	10.499	10.939	VV	20073	993332	100.00%	18.551%
7	13.061	12.958	13.121	VV	6588	302741	30.48%	5.654%
8	13.194	13.121	13.408	VV	12922	622822	62.70%	11.631%
9	13.921	13.708	14.045	BV	12375	591082	59.50%	11.039%
10	16.196	16.088	16.330	VV	11590	503649	50.70%	9.406%

Sum of corrected areas: 5354616

FB062325.M Wed Jul 02 00:15:51 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.: Q2458 SAS No.: Q2458 SDG No.: Q2458

DataFile: FB031991.D Analyst Name: YP/AJ Analyst Date: 07-01-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	5123628	28465	29754	4.332

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB070125\
Data File : FB031991.D
Signal(s) : FID2B.CH
Acq On : 1 Jul 2025 13:34
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Jul 02 00:02:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
Quant Title :
QLast Update : Mon Jun 23 13:56:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
5) s	AAA-TFT	8.803	355896	23.068	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.718	665629	26.164	ng/ml
2) t	2,2,4-Trimethylpentane	7.434	827646	30.690	ng/ml
3) t	n-Heptane	7.763	249083	9.983	ng/ml
4) t	Benzene	7.901	338497	9.956	ng/ml
6) t	Toluene	10.633	1011571	28.290	ng/ml
7) t	Ethylbenzene	13.068	299559	9.486	ng/ml
8) t	m-Xylene	13.202	628015	19.147	ng/ml
9) t	O-Xylene	13.929	595562	19.189	ng/ml
10) t	1,2,4-Trimethylbenzene	16.204	508066	19.215	ng/ml

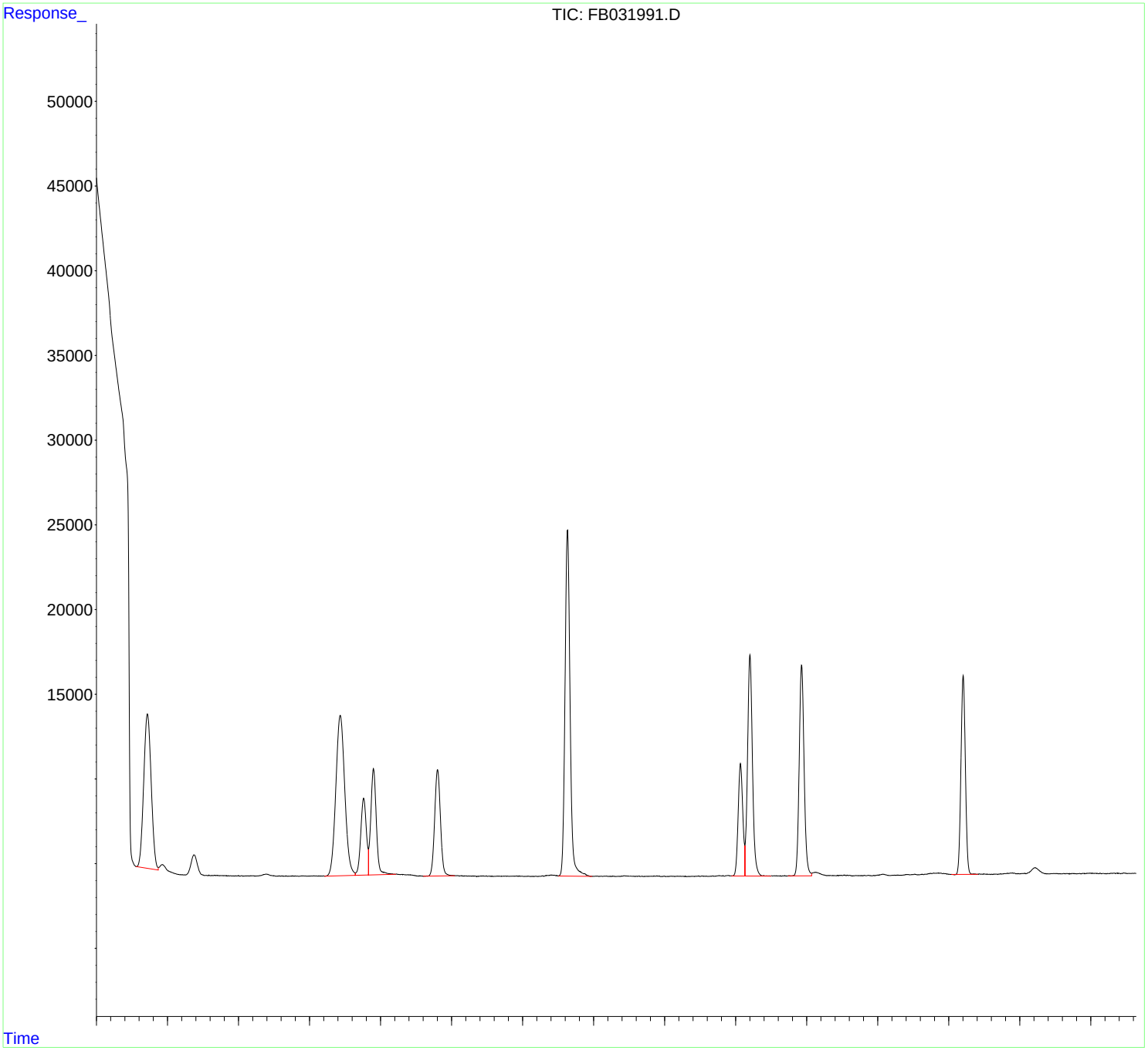
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB070125\
Data File : FB031991.D
Signal(s) : FID2B.CH
Acq On : 1 Jul 2025 13:34
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Jul 02 00:02:02 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\FB070125\
Data File : FB031991.D
Signal(s) : FID2B.CH
Acq On : 1 Jul 2025 13:34
Sample : 20 PPB GRO STD
Misc :
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	4.718	4.559	4.871	BV	9115	665629	65.80%	12.148%
2	7.434	7.213	7.644	PV	9469	827646	81.82%	15.104%
3	7.763	7.644	7.831	VV	4545	249083	24.62%	4.546%
4	7.901	7.831	8.208	VV	6267	338497	33.46%	6.177%
5	8.803	8.604	9.043	BV	6278	355896	35.18%	6.495%
6	10.633	10.505	10.981	PV	20426	1011571	100.00%	18.461%
7	13.068	12.940	13.130	BV	6634	299559	29.61%	5.467%
8	13.202	13.130	13.488	VB	13052	628015	62.08%	11.461%
9	13.929	13.739	14.070	BV	12441	595562	58.87%	10.869%
10	16.204	16.038	16.401	BBA	11729	508066	50.23%	9.272%

Sum of corrected areas: 5479524

FB062325.M Wed Jul 02 00:19:21 2025

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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.: Q2458 SAS No.: Q2458 SDG No.: Q2458

DataFile: FB031996.D Analyst Name: YP/AJ Analyst Date: 07-01-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	5106583	28370	29754	4.651

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB070125\
Data File : FB031996.D
Signal(s) : FID2B.CH
Acq On : 1 Jul 2025 16:20
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Jul 02 00:02:25 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	8.806	311248	20.174	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.723	682246	26.817	ng/ml
2) t	2,2,4-Trimethylpentane	7.442	822583	30.502	ng/ml
3) t	n-Heptane	7.766	255475	10.239	ng/ml
4) t	Benzene	7.904	329024	9.677	ng/ml
6) t	Toluene	10.636	997978	27.909	ng/ml
7) t	Ethylbenzene	13.071	296706	9.396	ng/ml
8) t	m-Xylene	13.205	621499	18.948	ng/ml
9) t	O-Xylene	13.932	591227	19.049	ng/ml
10) t	1,2,4-Trimethylbenzene	16.206	509845	19.283	ng/ml

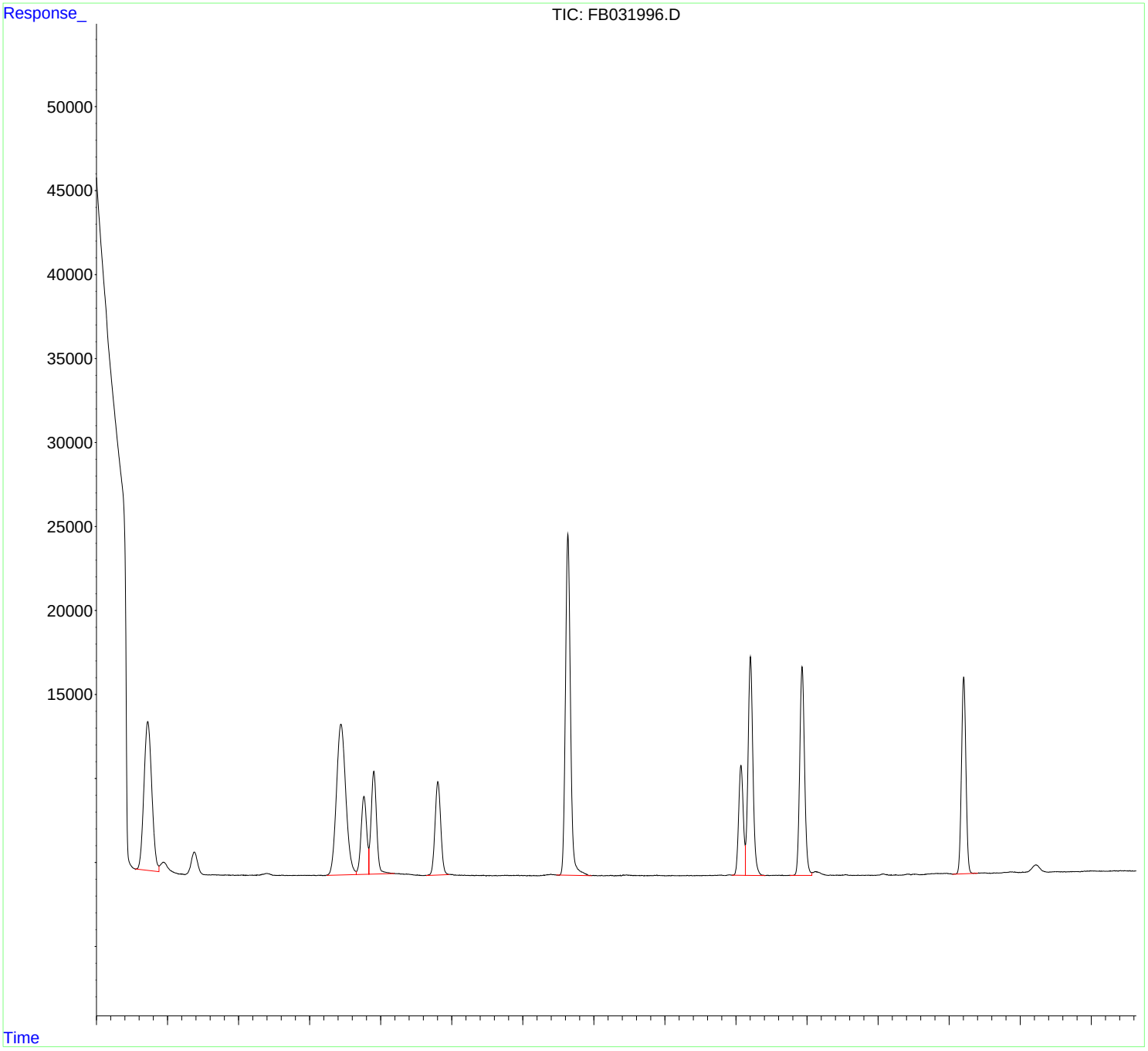
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB070125\
Data File : FB031996.D
Signal(s) : FID2B.CH
Acq On : 1 Jul 2025 16:20
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Jul 02 00:02:25 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\FB070125\
Data File : FB031996.D
Signal(s) : FID2B.CH
Acq On : 1 Jul 2025 16:20
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: Calibration.e

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

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	% max.	% of total
1	4.723	4.543	4.880	BV	8865	682246	68.36%	12.593%
2	7.442	7.244	7.657	PV	8978	822583	82.43%	15.183%
3	7.766	7.657	7.834	VV	4648	255475	25.60%	4.715%
4	7.905	7.834	8.183	VV	6124	329024	32.97%	6.073%
5	8.806	8.639	8.962	PV	5549	311248	31.19%	5.745%
6	10.636	10.471	10.969	BV	20293	997978	100.00%	18.420%
7	13.071	12.946	13.133	BV	6546	296706	29.73%	5.476%
8	13.205	13.133	13.405	VV	13008	621499	62.28%	11.471%
9	13.932	13.758	14.068	BV	12413	591227	59.24%	10.913%
10	16.206	16.049	16.403	PBA	11720	509845	51.09%	9.411%

Sum of corrected areas: 5417832

FB062325.M Wed Jul 02 00:20:47 2025

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Fax : 908 789 8922

Analytical Sequence

Client: CDM Smith **SDG No.:** Q2458

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	30 Jun 2025 9:27	FB031964.D	8.789	
VBF0630S1	VBF0630S1	30 Jun 2025 10:12	FB031965.D	8.796	
BSF0630S1	BSF0630S1	30 Jun 2025 11:08	FB031967.D	8.798	
BSF0630S2	BSF0630S2	30 Jun 2025 13:26	FB031972.D	8.802	
20 PPB GRO STD	20 PPB GRO STD	30 Jun 2025 13:54	FB031973.D	8.802	
TP-76	Q2458-01	30 Jun 2025 14:40	FB031974.D	8.802	
TP-55	Q2458-02	30 Jun 2025 15:08	FB031975.D	8.804	
TP-68	Q2458-03	30 Jun 2025 15:36	FB031976.D	8.803	
TP-67	Q2458-04	30 Jun 2025 16:04	FB031977.D	8.803	
TP-66	Q2458-05	30 Jun 2025 16:31	FB031978.D	8.804	
TP-60	Q2458-06	30 Jun 2025 16:59	FB031979.D	8.802	
TP-63	Q2458-08	30 Jun 2025 17:55	FB031981.D	8.804	
TP-59	Q2458-09	30 Jun 2025 18:23	FB031982.D	8.805	
20 PPB GRO STD	20 PPB GRO STD	30 Jun 2025 19:18	FB031984.D	8.805	
20 PPB GRO STD	20 PPB GRO STD	1 Jul 2025 9:31	FB031985.D	8.796	
VBF0701S1	VBF0701S1	1 Jul 2025 10:40	FB031986.D	8.799	
BSF0701S1	BSF0701S1	1 Jul 2025 11:54	FB031988.D	8.802	
TP-62	Q2458-07	1 Jul 2025 12:38	FB031989.D	8.804	
20 PPB GRO STD	20 PPB GRO STD	1 Jul 2025 13:34	FB031991.D	8.803	
VBF0701W1	VBF0701W1	1 Jul 2025 14:14	FB031992.D	8.805	
BSF0701W1	BSF0701W1	1 Jul 2025 14:42	FB031993.D	8.806	
FB-06272025	Q2458-10	1 Jul 2025 15:23	FB031994.D	8.806	
BSF0701W2	BSF0701W2	1 Jul 2025 15:52	FB031995.D	8.806	
20 PPB GRO STD	20 PPB GRO STD	1 Jul 2025 16:20	FB031996.D	8.806	

 # 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:	VBF0630S1	SDG No.:	Q2458
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
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 : 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			

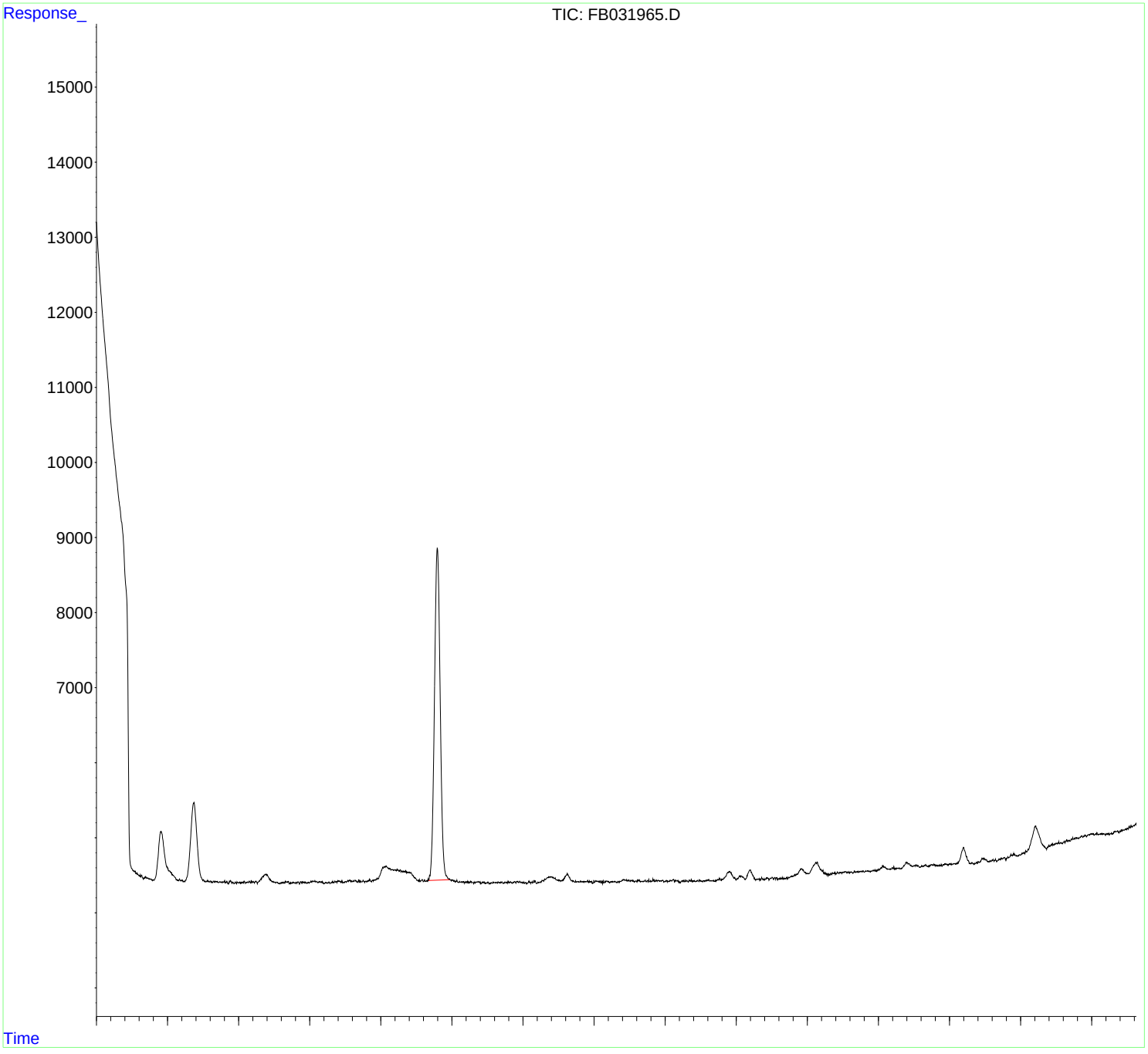
(f)=RT Delta > 1/2 Window (m)=manual int.

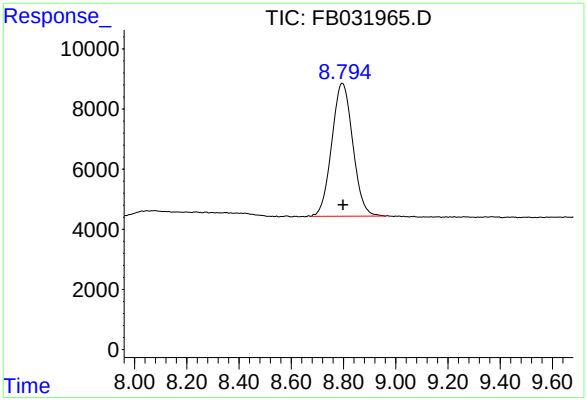
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB063025\
Data File : FB031965.D
Signal(s) : FID2B.CH
Acq On : 30 Jun 2025 10:12
Operator : YP/AJ
Sample : VBF0630S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 2 Sample Multiplier: 1

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:	VBF0701S1	SDG No.:	Q2458
Lab Sample ID:	VBF0701S1	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
FB031986.D	1	07/01/25 10:40	FB070125

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	17.7		50 - 150	89%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB070125\
Data File : FB031986.D
Signal(s) : FID2B.CH
Acq On : 1 Jul 2025 10:40
Operator : YP/AJ
Sample : VBF0701S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0701S1

Integration File: Calibration.e
Quant Time: Jul 02 00:01:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
Quant Title :
QLast Update : Mon Jun 23 13:56:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
5) s AAA-TFT	8.799	273726	17.742 ng/ml
Target Compounds			

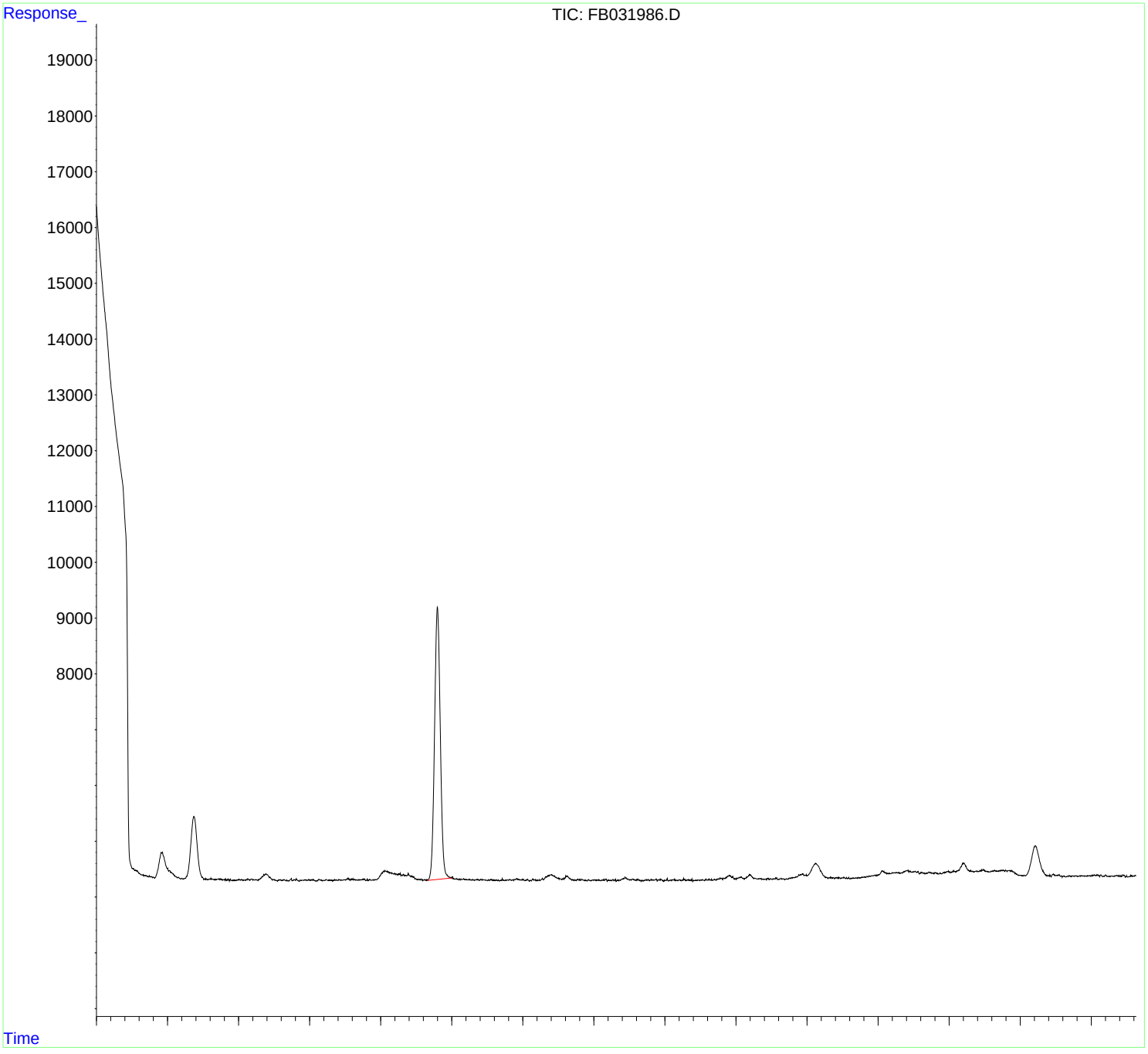
(f)=RT Delta > 1/2 Window (m)=manual int.

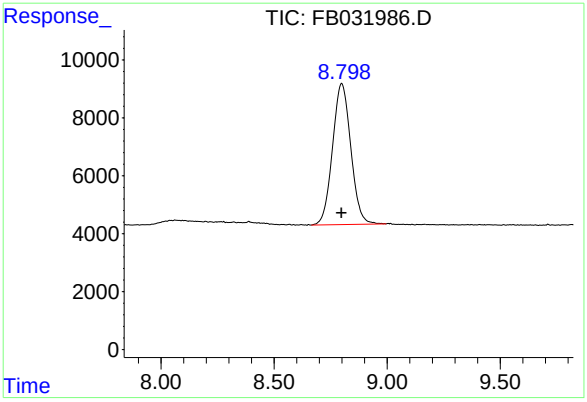
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB070125\
Data File : FB031986.D
Signal(s) : FID2B.CH
Acq On : 1 Jul 2025 10:40
Operator : YP/AJ
Sample : VBF0701S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0701S1

Integration File: Calibration.e
Quant Time: Jul 02 00:01:32 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.:	8.799 min
Delta R.T.:	0.001 min
Response:	273726
Conc:	17.74 ng/ml

Instrument :
FID_B
ClientSampleId :
VBF0701S1

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB070125\
Data File : FB031986.D
Signal(s) : FID2B.CH
Acq On : 1 Jul 2025 10:40
Sample : VBF0701S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 3 Sample Multiplier: 1

Integration File: Calibration.e

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

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	% max.	% of total
1	8.799	8.664	8.996	PV	4880	273726	100.00%	100.000%

Sum of corrected areas: 273726

FB062325.M Wed Jul 02 01:08:52 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:	VBF0701W1	SDG No.:	Q2458
Lab Sample ID:	VBF0701W1	Matrix:	Water
Analytical Method:	8015D GRO	% Solid:	0 Decanted:
Sample Wt/Vol:	5 Units: mL	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
FB031992.D	1	07/01/25 14:14	FB070125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
GRO	GRO	6.00	U	6.00	45.0	ug/L
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	19.8		50 - 150	99%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB070125\
Data File : FB031992.D
Signal(s) : FID2B.CH
Acq On : 1 Jul 2025 14:14
Operator : YP/AJ
Sample : VBF0701W1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0701W1

Integration File: Calibration.e
Quant Time: Jul 02 00:02:11 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	305208	19.783 ng/ml
Target Compounds				

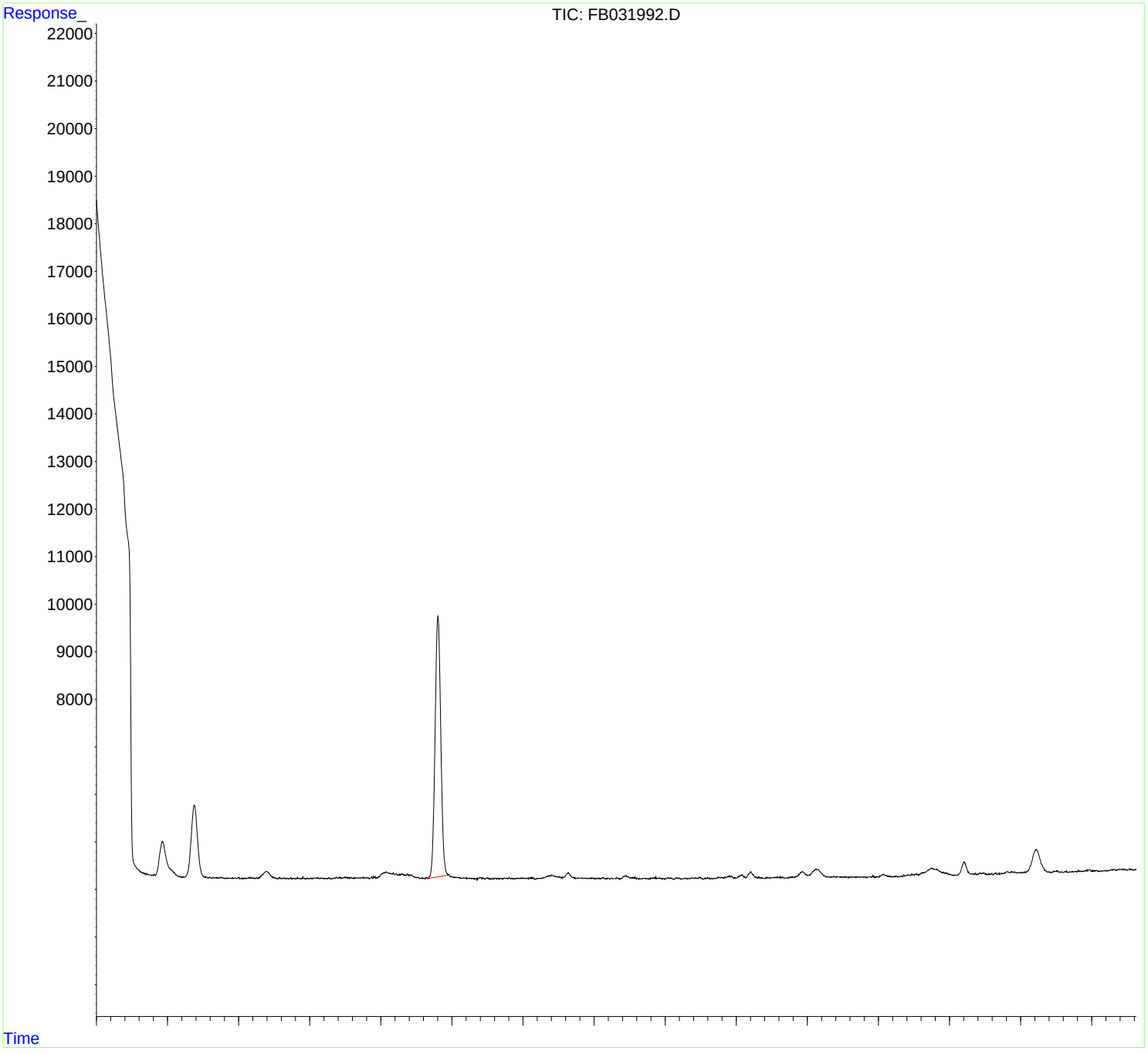
(f)=RT Delta > 1/2 Window (m)=manual int.

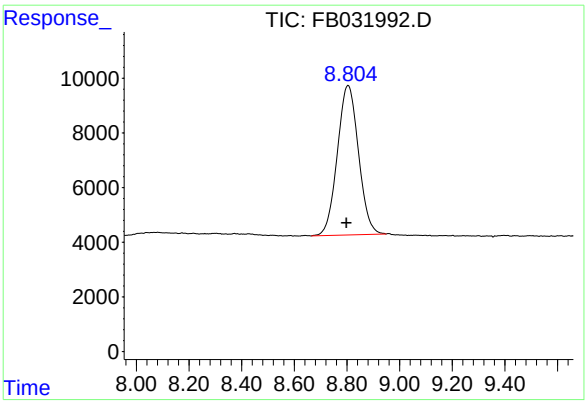
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB070125\
Data File : FB031992.D
Signal(s) : FID2B.CH
Acq On : 1 Jul 2025 14:14
Operator : YP/AJ
Sample : VBF0701W1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0701W1

Integration File: Calibration.e
Quant Time: Jul 02 00:02:11 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.:	8.805 min
Delta R.T.:	0.007 min
Response:	305208
Conc:	19.78 ng/ml

Instrument :
FID_B
ClientSampleId :
VBF0701W1

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB070125\
Data File : FB031992.D
Signal(s) : FID2B.CH
Acq On : 1 Jul 2025 14:14
Sample : VBF0701W1
Misc : 5.00G/5.00 ML DI WATER
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	8.805	8.664	8.950	PV	5474	305208	100.00%	100.000%

Sum of corrected areas: 305208

FB062325.M Wed Jul 02 00:19:42 2025

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	BSF0630S1	SDG No.:	Q2458
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
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 : 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

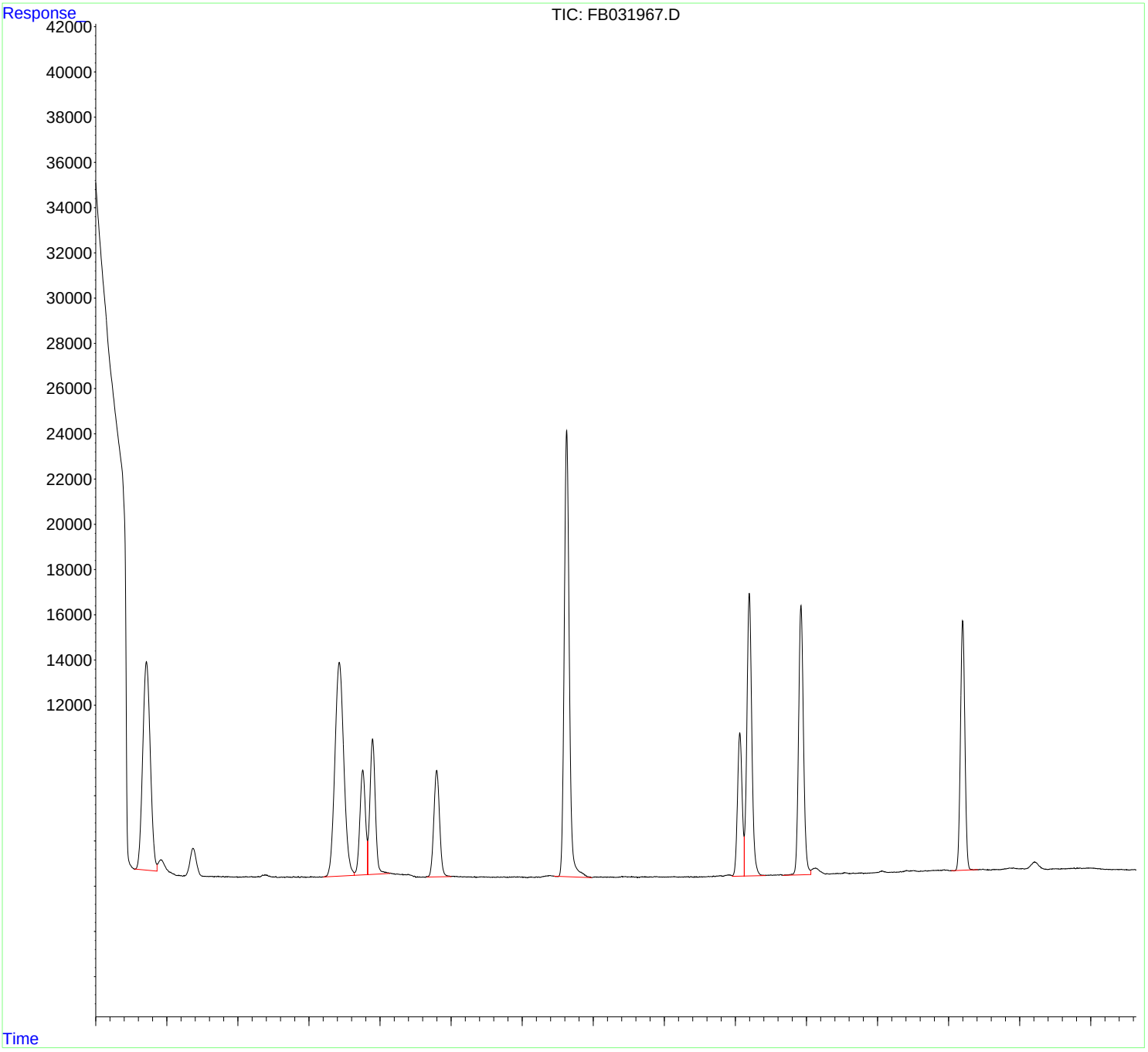
(f)=RT Delta > 1/2 Window (m)=manual int.

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

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:	BSF0701S1	SDG No.:	Q2458
Lab Sample ID:	BSF0701S1	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
FB031988.D	1	07/01/25 11:54	FB070125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	166		8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	18.4		50 - 150	92%	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\FB070125\
Data File : FB031988.D
Signal(s) : FID2B.CH
Acq On : 1 Jul 2025 11:54
Operator : YP/AJ
Sample : BSF0701S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0701S1

Integration File: Calibration.e
Quant Time: Jul 01 11:45:25 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	283427	18.371 ng/ml
	Target Compounds			
1) t	2-Methylpentane	4.719	646705	25.420 ng/ml
2) t	2,2,4-Trimethylpentane	7.432	844288	31.307 ng/ml
3) t	n-Heptane	7.762	253528	10.161 ng/ml
4) t	Benzene	7.900	357625	10.519 ng/ml
6) t	Toluene	10.631	982974	27.490 ng/ml
7) t	Ethylbenzene	13.067	293058	9.281 ng/ml
8) t	m-Xylene	13.200	608164	18.542 ng/ml
9) t	O-Xylene	13.928	577054	18.592 ng/ml
10) t	1,2,4-Trimethylbenzene	16.202	484926	18.340 ng/ml

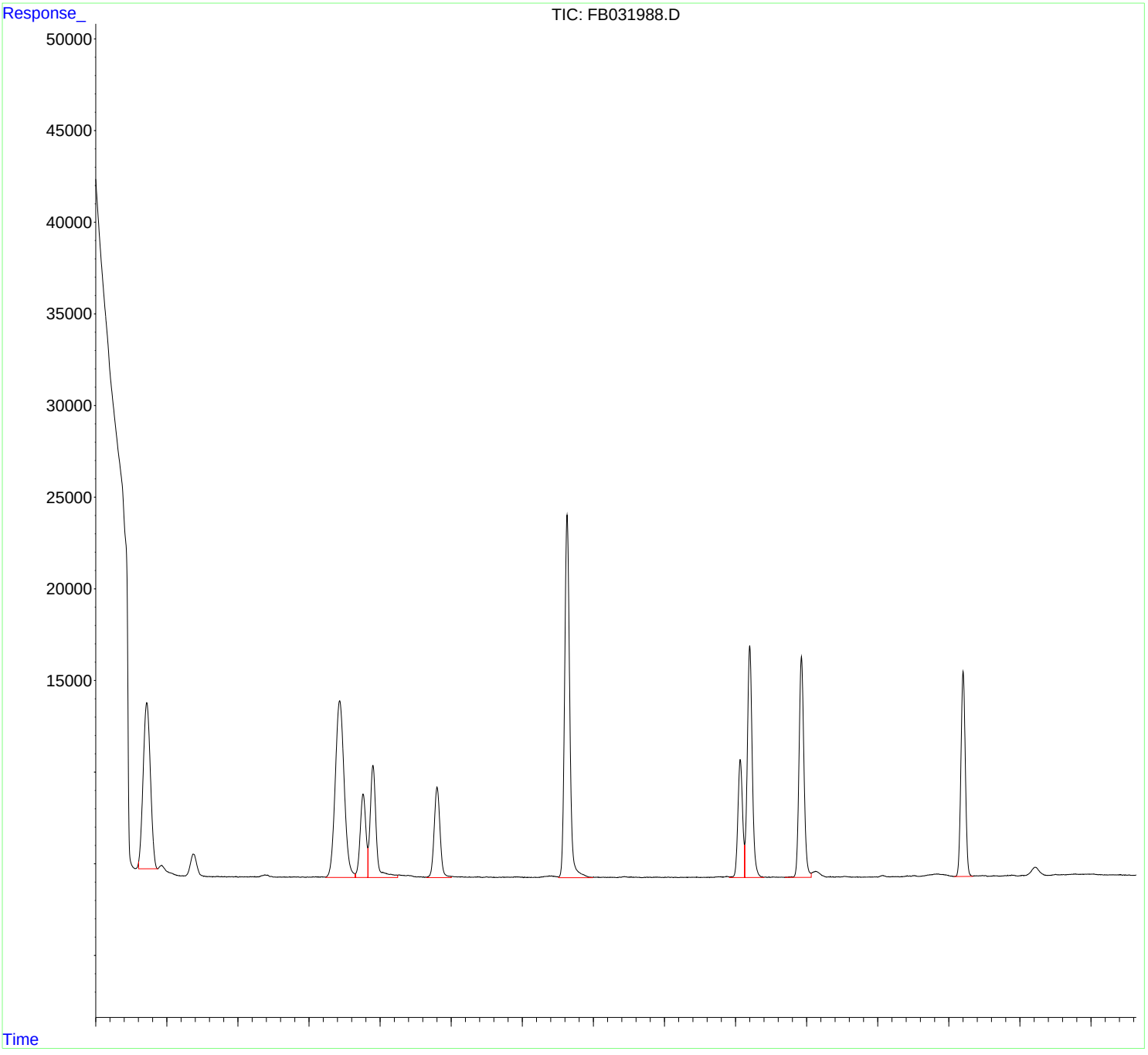
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB070125\
Data File : FB031988.D
Signal(s) : FID2B.CH
Acq On : 1 Jul 2025 11:54
Operator : YP/AJ
Sample : BSF0701S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0701S1

Integration File: Calibration.e
Quant Time: Jul 01 11:45:25 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\FB070125\
Data File : FB031988.D
Signal(s) : FID2B.CH
Acq On : 1 Jul 2025 11:54
Sample : BSF0701S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 5 Sample Multiplier: 1

Integration File: Calibration.e

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

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	% max.	% of total
1	4.719	4.548	4.874	BV	9159	667098	68.52%	12.757%
2	7.432	7.154	7.651	PV	9546	819373	84.16%	15.669%
3	7.761	7.651	7.829	VV	4364	233762	24.01%	4.470%
4	7.900	7.829	8.022	VV	5888	304365	31.26%	5.820%
5	8.802	8.623	9.132	BB	4910	279200	28.68%	5.339%
6	10.631	10.482	10.983	BV	19734	973577	100.00%	18.618%
7	13.067	12.935	13.128	BV	6404	289124	29.70%	5.529%
8	13.200	13.128	13.399	VV	12606	605245	62.17%	11.574%
9	13.928	13.452	14.059	BV	12027	574102	58.97%	10.979%
10	16.202	16.077	16.336	PV	11165	483423	49.65%	9.245%

Sum of corrected areas: 5229270

FB062325.M Wed Jul 02 00:18:33 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:	BSF0701W1	SDG No.:	Q2458
Lab Sample ID:	BSF0701W1	Matrix:	Water
Analytical Method:	8015D GRO	% Solid:	0 Decanted:
Sample Wt/Vol:	5 Units: mL	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
FB031993.D	1	07/01/25 14:42	FB070125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
GRO	GRO	165		6.00	45.0	ug/L
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	20.9		50 - 150	104%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB070125\
Data File : FB031993.D
Signal(s) : FID2B.CH
Acq On : 1 Jul 2025 14:42
Operator : YP/AJ
Sample : BSF0701W1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0701W1

Integration File: Calibration.e
Quant Time: Jul 01 14:31:29 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	8.806	321635	20.848	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.719	620402	24.386	ng/ml
2) t	2,2,4-Trimethylpentane	7.435	803912	29.810	ng/ml
3) t	n-Heptane	7.765	243172	9.746	ng/ml
4) t	Benzene	7.904	344966	10.146	ng/ml
6) t	Toluene	10.634	980272	27.414	ng/ml
7) t	Ethylbenzene	13.070	291208	9.222	ng/ml
8) t	m-Xylene	13.203	609246	18.575	ng/ml
9) t	O-Xylene	13.930	579107	18.658	ng/ml
10) t	1,2,4-Trimethylbenzene	16.205	489941	18.530	ng/ml

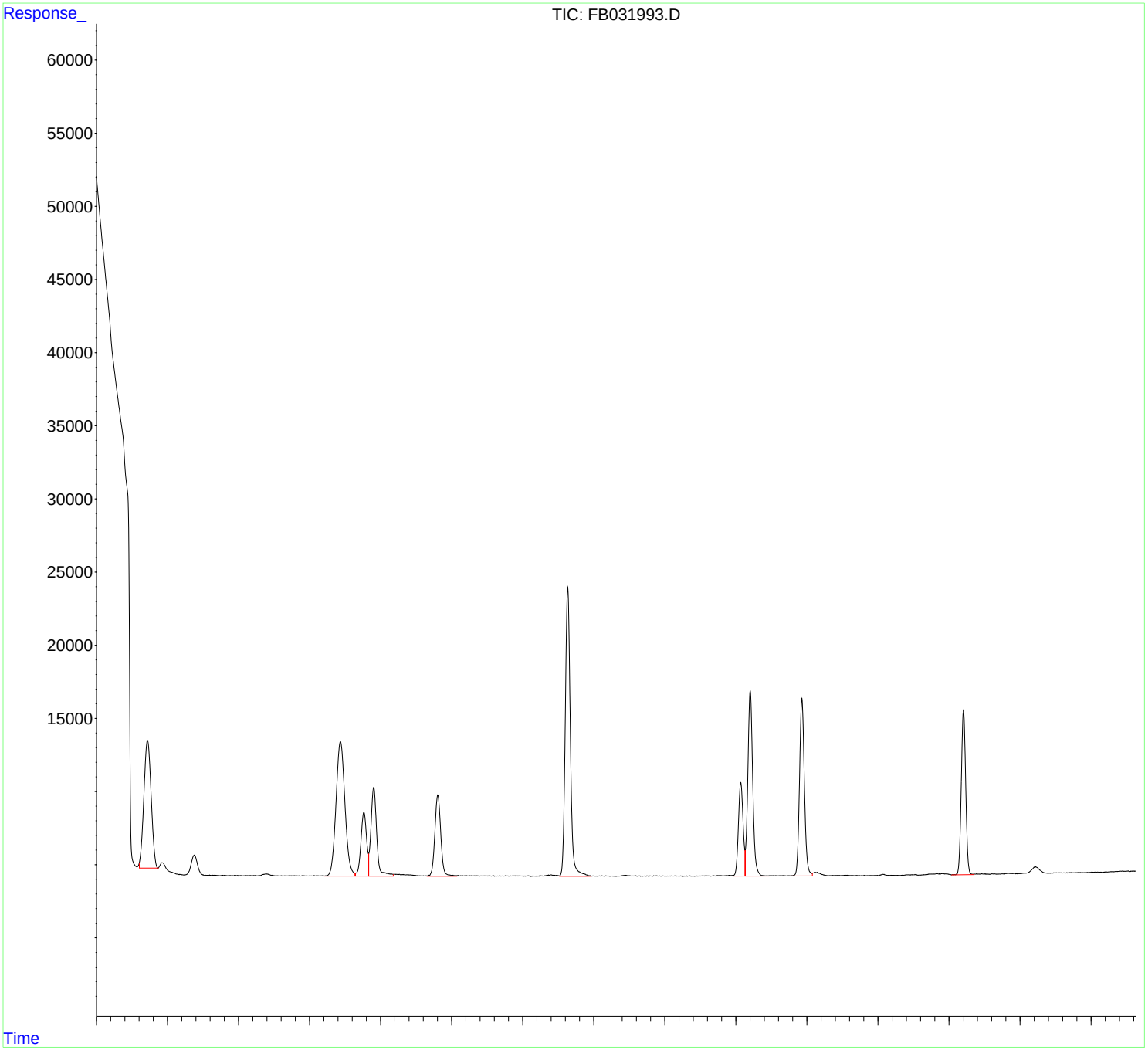
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB070125\
Data File : FB031993.D
Signal(s) : FID2B.CH
Acq On : 1 Jul 2025 14:42
Operator : YP/AJ
Sample : BSF0701W1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0701W1

Integration File: Calibration.e
Quant Time: Jul 01 14:31:29 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\FB070125\
Data File : FB031993.D
Signal(s) : FID2B.CH
Acq On : 1 Jul 2025 14:42
Sample : BSF0701W1
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	4.720	4.559	4.868	BV	8764	628047	64.20%	12.015%
2	7.435	7.195	7.641	BV	9161	793359	81.10%	15.178%
3	7.765	7.641	7.832	VV	4290	235432	24.07%	4.504%
4	7.904	7.832	8.217	VV	5981	324359	33.16%	6.205%
5	8.805	8.587	9.071	BV	5520	314539	32.15%	6.018%
6	10.634	10.512	10.975	VV	19726	978295	100.00%	18.716%
7	13.070	12.960	13.131	VV	6378	289316	29.57%	5.535%
8	13.203	13.131	13.385	VV	12637	604847	61.83%	11.572%
9	13.931	13.769	14.066	PV	12115	576285	58.91%	11.025%
10	16.205	15.991	16.352	BV	11190	482528	49.32%	9.231%

Sum of corrected areas: 5227008

FB062325.M Wed Jul 02 00:20:05 2025

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	BSF0630S2	SDG No.:	Q2458
Lab Sample ID:	BSF0630S2	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
FB031972.D	1	06/30/25 13:26	FB063025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	170		8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	19.9		50 - 150	99%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB063025\
Data File : FB031972.D
Signal(s) : FID2B.CH
Acq On : 30 Jun 2025 13:26
Operator : YP/AJ
Sample : BSF0630S2
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0630S2

Integration File: Calibration.e
Quant Time: Jul 01 01:07:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
Quant Title :
QLast Update : Mon Jun 23 13:56:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
5) s	AAA-TFT	8.802	306409	19.861 ng/ml
	Target Compounds			
1) t	2-Methylpentane	4.717	669612	26.321 ng/ml
2) t	2,2,4-Trimethylpentane	7.431	818756	30.360 ng/ml
3) t	n-Heptane	7.762	245436	9.837 ng/ml
4) t	Benzene	7.900	337726	9.933 ng/ml
6) t	Toluene	10.630	1001648	28.012 ng/ml
7) t	Ethylbenzene	13.066	294696	9.332 ng/ml
8) t	m-Xylene	13.199	618189	18.847 ng/ml
9) t	O-Xylene	13.927	585854	18.876 ng/ml
10) t	1,2,4-Trimethylbenzene	16.202	492804	18.638 ng/ml

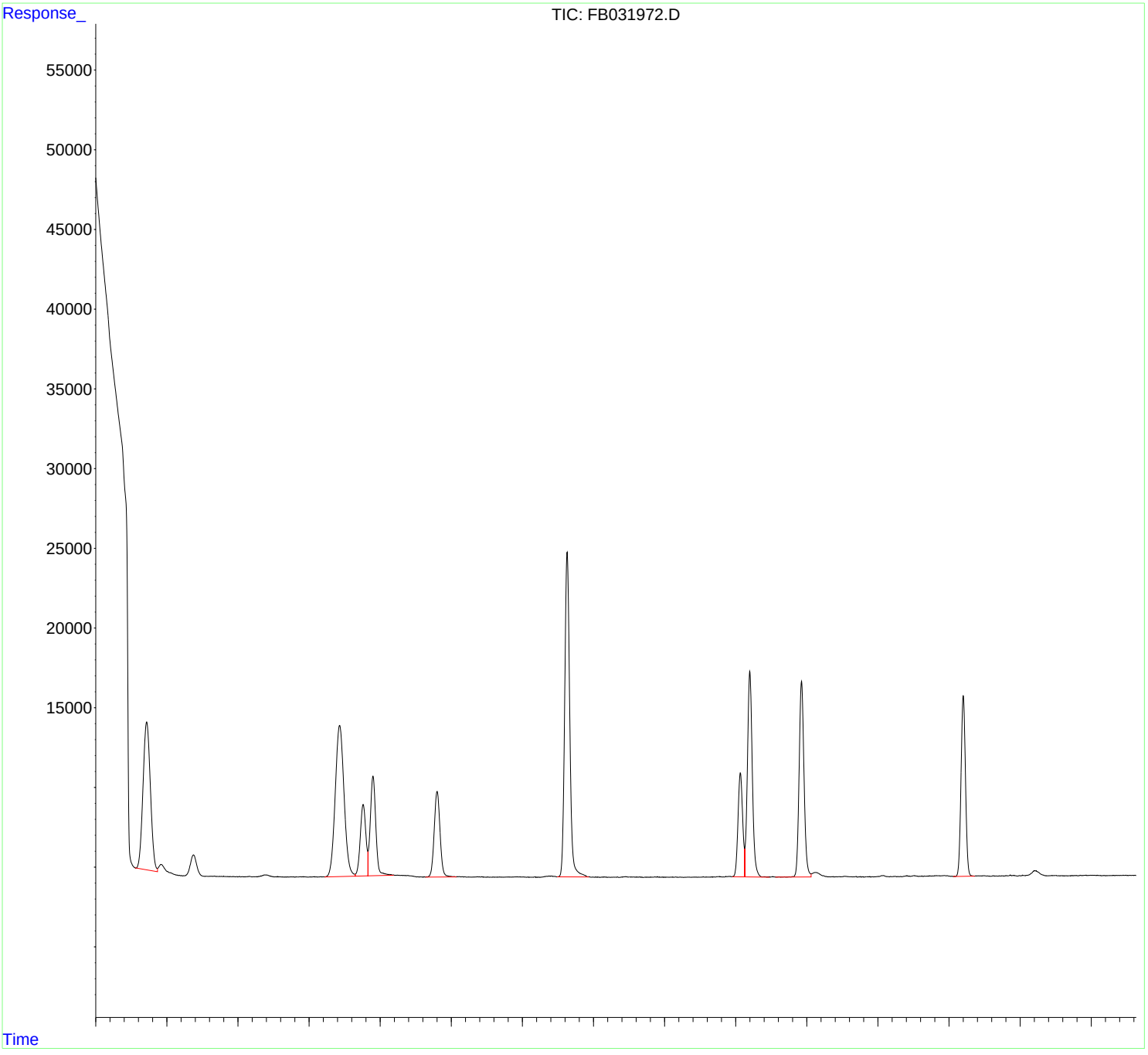
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB063025\
Data File : FB031972.D
Signal(s) : FID2B.CH
Acq On : 30 Jun 2025 13:26
Operator : YP/AJ
Sample : BSF0630S2
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0630S2

Integration File: Calibration.e
Quant Time: Jul 01 01:07:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
Quant Title :
QLast Update : Mon Jun 23 13:56:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB063025\
Data File : FB031972.D
Signal(s) : FID2B.CH
Acq On : 30 Jun 2025 13:26
Sample : BSF0630S2
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 13 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	4.717	4.554	4.868	BV	9279	669612	66.85%	12.467%
2	7.431	7.220	7.649	PV	9481	818756	81.74%	15.244%
3	7.762	7.649	7.829	VV	4489	245436	24.50%	4.570%
4	7.900	7.829	8.181	VV	6253	337726	33.72%	6.288%
5	8.802	8.637	9.071	PV	5367	306409	30.59%	5.705%
6	10.630	10.488	10.935	BV	20363	1001648	100.00%	18.649%
7	13.066	12.954	13.127	BV	6529	294696	29.42%	5.487%
8	13.199	13.127	13.474	VB	12889	618189	61.72%	11.509%
9	13.927	13.561	14.061	BV	12262	585854	58.49%	10.907%
10	16.202	16.060	16.361	BV	11314	492804	49.20%	9.175%

Sum of corrected areas: 5371131

FB062325.M Tue Jul 01 01:40:05 2025

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	BSF0701W2	SDG No.:	Q2458
Lab Sample ID:	BSF0701W2	Matrix:	Water
Analytical Method:	8015D GRO	% Solid:	0 Decanted:
Sample Wt/Vol:	5 Units: mL	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
FB031995.D	1	07/01/25 15:52	FB070125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
GRO	GRO	170		6.00	45.0	ug/L
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	20.4		50 - 150	102%	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\FB070125\
Data File : FB031995.D
Signal(s) : FID2B.CH
Acq On : 1 Jul 2025 15:52
Operator : YP/AJ
Sample : BSF0701W2
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0701W2

Integration File: Calibration.e
Quant Time: Jul 01 15:40:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
Quant Title :
QLast Update : Mon Jun 23 13:56:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
5) s	AAA-TFT	8.806	315059	20.421	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.723	635625	24.985	ng/ml
2) t	2,2,4-Trimethylpentane	7.439	830341	30.790	ng/ml
3) t	n-Heptane	7.765	255943	10.258	ng/ml
4) t	Benzene	7.904	348887	10.262	ng/ml
6) t	Toluene	10.634	1002383	28.033	ng/ml
7) t	Ethylbenzene	13.070	297471	9.420	ng/ml
8) t	m-Xylene	13.203	621460	18.947	ng/ml
9) t	O-Xylene	13.930	589811	19.003	ng/ml
10) t	1,2,4-Trimethylbenzene	16.204	500462	18.928	ng/ml

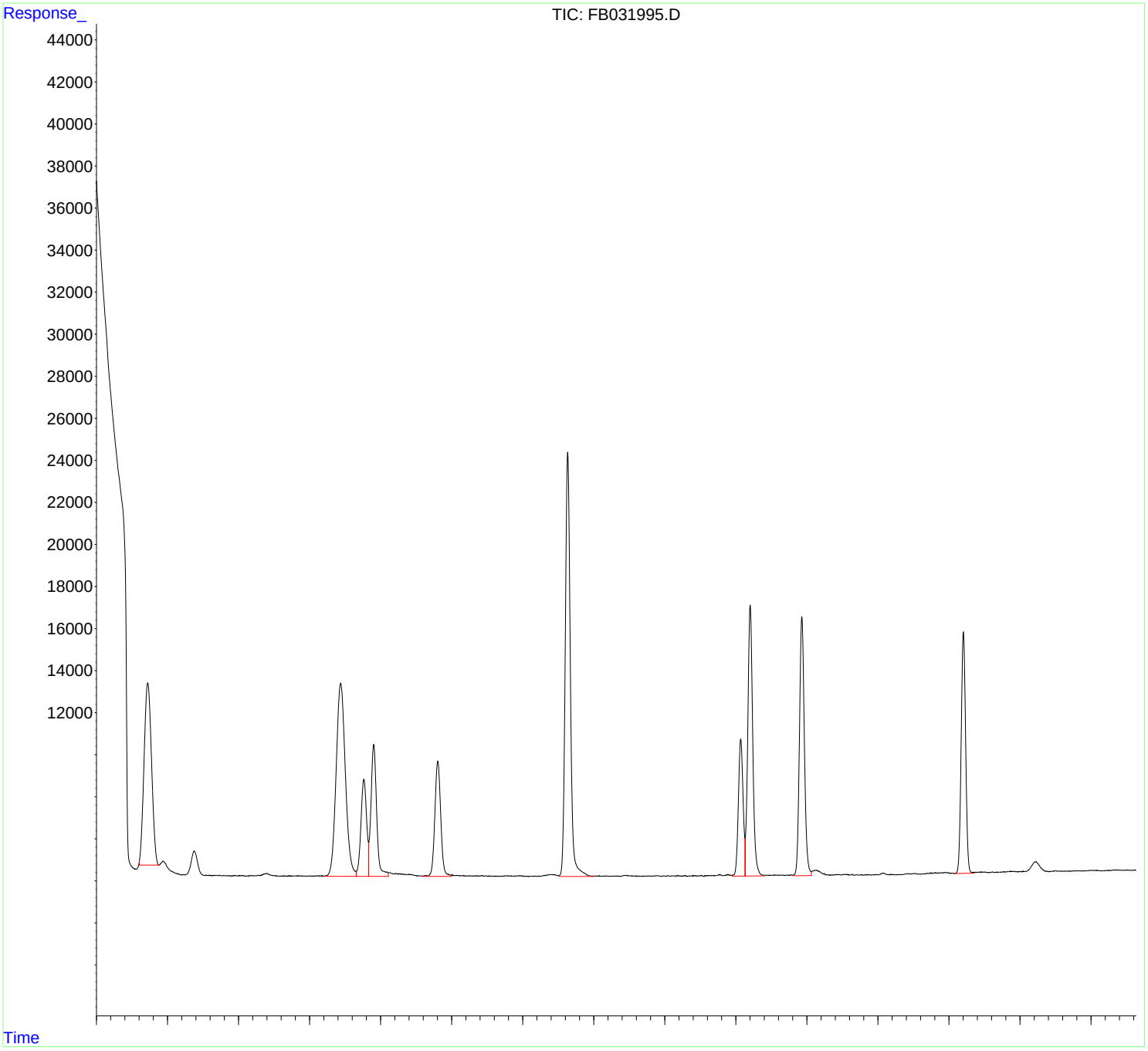
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB070125\
Data File : FB031995.D
Signal(s) : FID2B.CH
Acq On : 1 Jul 2025 15:52
Operator : YP/AJ
Sample : BSF0701W2
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0701W2

Integration File: Calibration.e
Quant Time: Jul 01 15:40:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
Quant Title :
QLast Update : Mon Jun 23 13:56:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB070125\
Data File : FB031995.D
Signal(s) : FID2B.CH
Acq On : 1 Jul 2025 15:52
Sample : BSF0701W2
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	4.723	4.565	4.882	BV	8924	682676	68.29%	12.730%
2	7.439	7.190	7.648	BV	9123	812561	81.29%	15.153%
3	7.764	7.648	7.832	VV	4494	243287	24.34%	4.537%
4	7.904	7.832	8.080	VV	6112	320439	32.06%	5.976%
5	8.805	8.671	8.996	PV	5449	306675	30.68%	5.719%
6	10.634	10.510	10.989	VV	20165	999644	100.00%	18.641%
7	13.070	12.952	13.131	VV	6499	295490	29.56%	5.510%
8	13.203	13.131	13.399	VV	12867	617331	61.76%	11.512%
9	13.930	13.803	14.065	BV	12289	586270	58.65%	10.933%
10	16.204	16.080	16.401	BBA	11445	498174	49.84%	9.290%

Sum of corrected areas: 5362545

FB062325.M Wed Jul 02 00:20:27 2025

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

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

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 # 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 # 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

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 # FB070125

Review By	yogesh	Review On	7/1/2025 2:01:23 PM		
Supervise By	mohammad	Supervise On	7/2/2025 7:45:01 AM		
SubDirectory	FB070125	HP Acquire Method		HP Processing Method	FB062325

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24656,PP24658,PP24659,PP24660,PP24661
CCC	PP24677,PP24678,PP24679
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	FB031985.D	1 Jul 2025 9:31	YP/AJ	Ok
2	VBF0701S1	FB031986.D	1 Jul 2025 10:40	YP/AJ	Ok
3	VBF0701S2	FB031987.D	1 Jul 2025 11:26	YP/AJ	Ok
4	BSF0701S1	FB031988.D	1 Jul 2025 11:54	YP/AJ	Ok
5	Q2458-07	FB031989.D	1 Jul 2025 12:38	YP/AJ	Ok
6	BSF0701S2	FB031990.D	1 Jul 2025 13:06	YP/AJ	Ok
7	20 PPB GRO STD	FB031991.D	1 Jul 2025 13:34	YP/AJ	Ok
8	VBF0701W1	FB031992.D	1 Jul 2025 14:14	YP/AJ	Ok
9	BSF0701W1	FB031993.D	1 Jul 2025 14:42	YP/AJ	Ok
10	Q2458-10	FB031994.D	1 Jul 2025 15:23	YP/AJ	Ok
11	BSF0701W2	FB031995.D	1 Jul 2025 15:52	YP/AJ	Ok
12	20 PPB GRO STD	FB031996.D	1 Jul 2025 16:20	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 # 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

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

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 # FB070125

Review By	yogesh	Review On	7/1/2025 2:01:23 PM		
Supervise By	mohammad	Supervise On	7/2/2025 7:45:01 AM		
SubDirectory	FB070125	HP Acquire Method		HP Processing Method	FB062325

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24656,PP24658,PP24659,PP24660,PP24661
CCC	PP24677,PP24678,PP24679
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		FB031985.D	1 Jul 2025 9:31		YP/AJ	Ok
2	VBF0701S1		FB031986.D	1 Jul 2025 10:40		YP/AJ	Ok
3	VBF0701S2		FB031987.D	1 Jul 2025 11:26		YP/AJ	Ok
4	BSF0701S1		FB031988.D	1 Jul 2025 11:54		YP/AJ	Ok
5	Q2458-07		FB031989.D	1 Jul 2025 12:38	Vial-B	YP/AJ	Ok
6	BSF0701S2		FB031990.D	1 Jul 2025 13:06		YP/AJ	Ok
7	20 PPB GRO STD		FB031991.D	1 Jul 2025 13:34		YP/AJ	Ok
8	VBF0701W1		FB031992.D	1 Jul 2025 14:14		YP/AJ	Ok
9	BSF0701W1		FB031993.D	1 Jul 2025 14:42		YP/AJ	Ok
10	Q2458-10		FB031994.D	1 Jul 2025 15:23	Vial-A	YP/AJ	Ok
11	BSF0701W2		FB031995.D	1 Jul 2025 15:52		YP/AJ	Ok
12	20 PPB GRO STD		FB031996.D	1 Jul 2025 16:20		YP/AJ	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/1/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 06/30/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:22
Out Date: 07/01/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB136327

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
Q2451-01	Y2310-0409-1-1	1	1.00	1.00	2.00	2.00	100.0	PILC
Q2451-02	Y2310-0409-1-2	2	1.00	1.00	2.00	2.00	100.0	PILC
Q2451-03	Y2307-0279-1-1	3	1.00	1.00	2.00	2.00	100.0	PILC
Q2451-04	Y2307-0279-1-2	4	1.00	1.00	2.00	2.00	100.0	PILC
Q2451-05	KQA08OZ-1-1	5	1.00	1.00	2.00	2.00	100.0	PILC
Q2451-06	KQA08OZ-1-2	6	1.00	1.00	2.00	2.00	100.0	PILC
Q2451-07	HIA-925Q-1-1	7	1.00	1.00	2.00	2.00	100.0	PILC
Q2451-08	HIA-925Q-1-2	8	1.00	1.00	2.00	2.00	100.0	PILC
Q2458-01	TP-76	9	1.15	10.84	11.99	10.97	90.6	
Q2458-02	TP-55	10	1.18	10.49	11.67	10.77	91.4	
Q2458-03	TP-68	11	1.18	10.68	11.86	11.04	92.3	
Q2458-04	TP-67	12	1.19	10.16	11.35	10.3	89.7	
Q2458-05	TP-66	13	1.19	10.18	11.37	10.18	88.3	
Q2458-06	TP-60	14	1.15	10.83	11.98	11.17	92.5	
Q2458-07	TP-62	15	1.15	10.84	11.99	11.02	91.1	
Q2458-08	TP-63	16	1.19	10.82	12.01	10.54	86.4	
Q2458-09	TP-59	17	1.15	10.70	11.85	9.35	76.6	
Q2459-01	TP-1	18	1.19	10.74	11.93	10.66	88.2	
Q2459-02	TP-1-EPH	19	1.15	10.88	12.03	10.8	88.7	
Q2459-03	TP-1-VOC	20	1.16	10.83	11.99	10.9	89.9	
Q2459-04	TP-1	21	1.19	10.74	11.93	10.66	88.2	
Q2462-02	60425-A	22	1.15	10.31	11.46	9.96	85.5	
Q2462-03	60425-B	23	1.14	10.66	11.8	7.91	63.5	
Q2462-04	60425-AB	24	1.19	10.57	11.76	9.66	80.1	
Q2462-05	50725	25	1.00	1.00	2.00	2.00	100.0	debris
Q2462-06	61625-A	26	1.12	10.70	11.82	9.5	78.3	
Q2462-07	61625-B	27	1.18	10.37	11.55	8.29	68.6	
Q2462-08	61625-C	28	1.19	10.65	11.84	9.11	74.4	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/1/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 06/30/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:22
Out Date: 07/01/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB136327

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
Q2462-09	61625-ABC	29	1.19	10.56	11.75	9.26	76.4	
Q2462-10	62725	30	1.00	1.00	2.00	2.00	100.0	debris
Q2464-01	OR-3-063025	31	1.12	10.76	11.88	11.57	97.1	
Q2464-02	OR-3-063025-E2	32	1.18	10.50	11.68	11.3	96.4	
Q2466-01	61825	33	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2466-02	62625	34	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2467-01	1A-1B-1C-Fire Stopher Caulk-Red	35	1.00	1.00	2.00	2.00	100.0	Caulk sample
Q2469-01	WC-1	36	1.15	10.13	11.28	9.8	85.4	
Q2469-02	WC-1-EPH	37	1.19	10.36	11.55	10.14	86.4	
Q2469-03	WC-1-VOC	38	1.15	10.84	11.99	10.74	88.5	
Q2469-04	WC-1	39	1.15	10.13	11.28	9.8	85.4	

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

WORKLIST(Hardcopy Internal Chain)

JP 136327

WorkList Name : %1-063025 **WorkList ID :** 190450 **Department :** Wet-Chemistry **Date :** 06-30-2025 08:06:09

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2451-01	Y2310-0409-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2451-02	Y2310-0409-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2451-03	Y2307-0279-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2451-04	Y2307-0279-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2451-05	KQA08OZ-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2451-06	KQA08OZ-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2451-07	HIA-925Q-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2451-08	HIA-925Q-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2458-01	TP-76	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2458-02	TP-55	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/26/2025	Chemtech -SO
Q2458-03	TP-68	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/26/2025	Chemtech -SO
Q2458-04	TP-67	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/27/2025	Chemtech -SO
Q2458-05	TP-66	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/27/2025	Chemtech -SO
Q2458-06	TP-60	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/27/2025	Chemtech -SO
Q2458-07	TP-62	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/27/2025	Chemtech -SO
Q2458-08	TP-63	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/27/2025	Chemtech -SO
Q2458-09	TP-59	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/27/2025	Chemtech -SO
Q2459-01	TP-1	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/27/2025	Chemtech -SO
Q2459-02	TP-1-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	A51	06/28/2025	Chemtech -SO
Q2459-03	TP-1-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	A51	06/28/2025	Chemtech -SO
Q2459-04	TP-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	A51	06/28/2025	Chemtech -SO

Date/Time 06/30/25 16:00

Raw Sample Received by: [illegible]

Raw Sample Relinquished by: JD (SM)

Date/Time 06/30/25 17:30

Raw Sample Received by: JD (SM)

Raw Sample Relinquished by: [illegible]

WORKLIST(Hardcopy Internal Chain)

VF 136327

WorkList Name : %1-063025 **WorkList ID :** 190450 **Department :** Wet-Chemistry **Date :** 06-30-2025 08:06:09

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2462-02	60425-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	A12	06/30/2025	Chemtech -SO
Q2462-03	60425-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	A12	06/30/2025	Chemtech -SO
Q2462-04	60425-AB	Solid	Percent Solids	Cool 4 deg C	PSEG03	A12	06/30/2025	Chemtech -SO
Q2462-05	50725	Solid	Percent Solids	Cool 4 deg C	PSEG03	A12	06/30/2025	Chemtech -SO
Q2462-06	61625-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	A12	06/30/2025	Chemtech -SO
Q2462-07	61625-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	A12	06/30/2025	Chemtech -SO
Q2462-08	61625-C	Solid	Percent Solids	Cool 4 deg C	PSEG03	A12	06/30/2025	Chemtech -SO
Q2462-09	60425-ABC	Solid	Percent Solids	Cool 4 deg C	PSEG03	A12	06/30/2025	Chemtech -SO
Q2462-10	62725	Solid	Percent Solids	Cool 4 deg C	PSEG03	A12	06/30/2025	Chemtech -SO
Q2464-01	OR-3-063025	Solid	Percent Solids	Cool 4 deg C	PSEG05	A21	06/30/2025	Chemtech -SO
Q2464-02	OR-3-063025	Solid	Percent Solids	Cool 4 deg C	PSEG05	A21	06/30/2025	Chemtech -SO
Q2466-01	61825	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	06/30/2025	Chemtech -SO
Q2466-02	62625	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	06/30/2025	Chemtech -SO
Q2467-01	1A-1B-1C-Fire Stopher Caulk-R	Solid	Percent Solids	Cool 4 deg C	ATCE02	A61	06/26/2025	Chemtech -SO
Q2469-01	WC-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	A61	06/30/2025	Chemtech -SO
Q2469-02	WC-1-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	A61	06/30/2025	Chemtech -SO
Q2469-03	WC-1-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	A61	06/30/2025	Chemtech -SO
Q2469-04	WC-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	A61	06/30/2025	Chemtech -SO

Date/Time 06/30/25 16:00

Raw Sample Received by: [illegible]

Raw Sample Relinquished by: JP CSM

Date/Time 06/30/25 17:20

Raw Sample Received by: JP CSM

Raw Sample Relinquished by: [illegible]

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

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

ALLIANCE PROJECT NO.
QUOTE NO. Q2458
COC Number 2047524

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. TCL SVOC
3. PCB's
4. TAL METALS
5. PESTICIDES
6. HERBICIDES
7. DRO/GRO
8.
9.

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	6/26/25	1115	6	X	X	X	X	X	X	X			E
2.	TP-65	S		X	6/26/25	1200	6	X	X	X	X	X	X	X			E
3.	TP-68	S		X	6/27/25	0745	6	X	X	X	X	X	X	X			E
4.	TP-67	S		X	6/27/25	0805	6	X	X	X	X	X	X	X			E
5.	TP-66	S		X	6/27/25	0835	6	X	X	X	X	X	X	X			E
6.	TP-60	S		X	6/27/25	0910	6	X	X	X	X	X	X	X			E
7.	TP-62	S		X	6/27/25	1005	6	X	X	X	X	X	X	X			E
8.	TP-63	S		X	6/27/25	1055	6	X	X	X	X	X	X	X			E
9.	TP-54	S		X	6/27/25	1205	6	X	X	X	X	X	X	X			E
10.	FB-06272025	SA2		X	6/27/25	1300	9	X	X	X	X	X	X	X			E, A, B

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.	6/27/25/1600	1. 1600 6-27-25
2.		2.
3.	6-27-25 1255	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.1 °C
Comments:

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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