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Cover Page

Order ID : Q2032

Project ID : South River WM Replacement

Client : CDM Smith

Lab Sample Number	Client Sample Number
Q2032-01	TP-11
Q2032-02	TP-29
Q2032-03	TP-29-99
Q2032-04	TP-24
Q2032-05	Q2032-04MS
Q2032-06	Q2032-04MSD
Q2032-07	TP-37
Q2032-08	TP-32
Q2032-09	COMP-1
Q2032-11	FB-05132025
Q2032-12	TB

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: 5/17/2025

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 #: **Q2032**

	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:** **05/17/2025**

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LAB CHRONICLE

OrderID:	Q2032	**OrderDate:**	5/13/2025 4:01:00 PM
Client:	CDM Smith	**Project:**	South River WM Replacement
Contact:	Marcie Ann Encinas	**Location:**	L41,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2032-01	**TP-11**	**SOIL**			**05/13/25**			**05/13/25**
			Gasoline Range Organics	8015D			05/16/25	
Q2032-02	**TP-29**	**SOIL**			**05/13/25**			**05/13/25**
			Gasoline Range Organics	8015D			05/15/25	
Q2032-03	**TP-29-99**	**SOIL**			**05/13/25**			**05/13/25**
			Gasoline Range Organics	8015D			05/16/25	
Q2032-04	**TP-24**	**SOIL**			**05/13/25**			**05/13/25**
			Gasoline Range Organics	8015D			05/15/25	
			Pesticide-TCL	8081B		05/16/25	05/16/25	
Q2032-07	**TP-37**	**SOIL**			**05/13/25**			**05/13/25**
			Gasoline Range Organics	8015D			05/16/25	
Q2032-08	**TP-32**	**SOIL**			**05/13/25**			**05/13/25**
			Gasoline Range Organics	8015D			05/16/25	
Q2032-11	**FB-05132025**	**Water**			**05/13/25**			**05/13/25**
			Gasoline Range Organics	8015D			05/14/25	

QC SUMMARY

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SOIL GASOLINE RANGE ORGANICS SURROGATE RECOVERY

Lab Name: Chemtech Client: CDM Smith

Lab Code: CHEM Case No.: Q2032 SAS No.: Q2032 SDG No.: Q2032

EPA SAMPLE NO.	S1 AAA-TFT	S2	S3	S4	TOT OUT
VBF0514W1	111				0
BSF0514W1	90				0
FB-05132025	104				0
BSF0514W2	88				0
VBF0515S1	135				0
BSF0515S1	100				0
TP-24	99				0
TP-24MS	82				0
TP-24MSD	98				0
TP-29	88				0
VBF0516S1	84				0
VBF0516S2	99				0
BSF0516S1	116				0
TP-37	106				0
TP-32	84				0
TP-29-99	102				0
TP-11	94				0
BSF0516S2	91				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 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

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

Lab Code: CHEM **Cas No:** Q2032 **SAS No :** Q2032 **SDG No:** Q2032

Client SampleID : TP-24MS **Datafile:** FB031754.D

COMPOUND	SPIKE ADDED ug/kg	SAMPLE CONCENTRATION ug/kg	MS/MSD CONCENTRATION ug/kg	% REC	Qual	QC LIMITS
GRO	188	11.0	192	96%		50-150

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SOIL GASOLINE RANGE ORGANICS MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

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

Lab Code: CHEM **Cas No:** Q2032 **SAS No :** Q2032 **SDG No:** Q2032

Client SampleID : TP-24MSD **Datafile:** FB031755.D

COMPOUND	SPIKE ADDED ug/kg	SAMPLE CONCENTRATION ug/kg	MS/MSD CONCENTRATION ug/kg	% REC	Qual	QC LIMITS
GRO	207	11.0	179	81%		50-150

MS/MSD % Recovery RPD : 17

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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:** Q2032 **SAS No :** Q2032 **SDG No:** Q2032

Matrix Spike - EPA Sample No : BSF0514W1 **Datafile:** FB031744.D

COMPOUND	SPIKE ADDED ug/L	CONCENTRATION ug/L	LCS/LCSD CONCENTRATION ug/L	% REC	QC LIMITS
GRO	180	0	204	113	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:** Q2032 **SAS No :** Q2032 **SDG No:** Q2032

Matrix Spike - EPA Sample No : BSF0514W2 **Datafile:** FB031746.D

COMPOUND	SPIKE ADDED ug/L	CONCENTRATION ug/L	LCS/LCSD CONCENTRATION ug/L	% REC	QC LIMITS
GRO	180	0	190	106	50-150

LCS/LCSD % Recovery RPD : 7.0

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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:** Q2032 **SAS No :** Q2032 **SDG No:** Q2032

Matrix Spike - EPA Sample No : BSF0515S1 **Datafile:** FB031751.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS
GRO	180	0	202	112	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:** Q2032 **SAS No :** Q2032 **SDG No:** Q2032

Matrix Spike - EPA Sample No : BSF0516S1 **Datafile:** FB031763.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS
GRO	180	0	172	96	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:** Q2032 **SAS No :** Q2032 **SDG No:** Q2032

Matrix Spike - EPA Sample No : BSF0516S2 **Datafile:** FB031770.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS
GRO	180	0	202	112	50-150

LCS/LCSD % Recovery RPD : 16.0

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METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBF0514W1

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2032 SAS No.: Q2032 SDG NO.: Q2032

Lab File ID: FB031743.D Lab Sample ID: VBF0514W1

Date Analyzed: 05/14/25 Time Analyzed: 14:13

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
BSF0514W1	BSF0514W1	FB031744.D	05/14/25
FB-05132025	Q2032-11	FB031745.D	05/14/25
BSF0514W2	BSF0514W2	FB031746.D	05/14/25

COMMENTS:

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METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBF0515S1

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2032 SAS No.: Q2032 SDG NO.: Q2032

Lab File ID: FB031749.D Lab Sample ID: VBF0515S1

Date Analyzed: 05/15/25 Time Analyzed: 12:03

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
BSF0515S1	BSF0515S1	FB031751.D	05/15/25
TP-24	Q2032-04	FB031752.D	05/15/25
TP-24MS	Q2032-05MS	FB031754.D	05/15/25
TP-24MSD	Q2032-06MSD	FB031755.D	05/15/25
TP-29	Q2032-02	FB031756.D	05/15/25

COMMENTS:

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METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBF0516S1

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2032 SAS No.: Q2032 SDG NO.: Q2032

Lab File ID: FB031761.D Lab Sample ID: VBF0516S1

Date Analyzed: 05/16/25 Time Analyzed: 9:16

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
BSF0516S1	BSF0516S1	FB031763.D	05/16/25
TP-37	Q2032-07	FB031764.D	05/16/25
TP-32	Q2032-08	FB031765.D	05/16/25
TP-29-99	Q2032-03	FB031768.D	05/16/25
BSF0516S2	BSF0516S2	FB031770.D	05/16/25

COMMENTS:

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METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBF0516S2

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2032 SAS No.: Q2032 SDG NO.: Q2032

Lab File ID: FB031762.D Lab Sample ID: VBF0516S2

Date Analyzed: 05/16/25 Time Analyzed: 9:44

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

Instrument ID: FB

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
TP-29-99	Q2032-03	FB031766.D	05/16/25

COMMENTS:

SAMPLE DATA

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/13/25
Project:	South River WM Replacement	Date Received:	05/13/25
Client Sample ID:	TP-11	SDG No.:	Q2032
Lab Sample ID:	Q2032-01	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	76.3 Decanted:
Sample Wt/Vol:	4.26 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
FB031769.D	50	05/16/25 13:57	FB051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	1750	J	635	3460	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	18.9		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\FB051625\
Data File : FB031769.D
Signal(s) : FID2B.CH
Acq On : 16 May 2025 13:57
Operator : YP/AJ
Sample : Q2032-01 50X
Misc : 4.26G/5.00 ML MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-11

Integration File: Calibration.e
Quant Time: May 16 23:12:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 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	432868	18.875 ng/ml
Target Compounds				

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

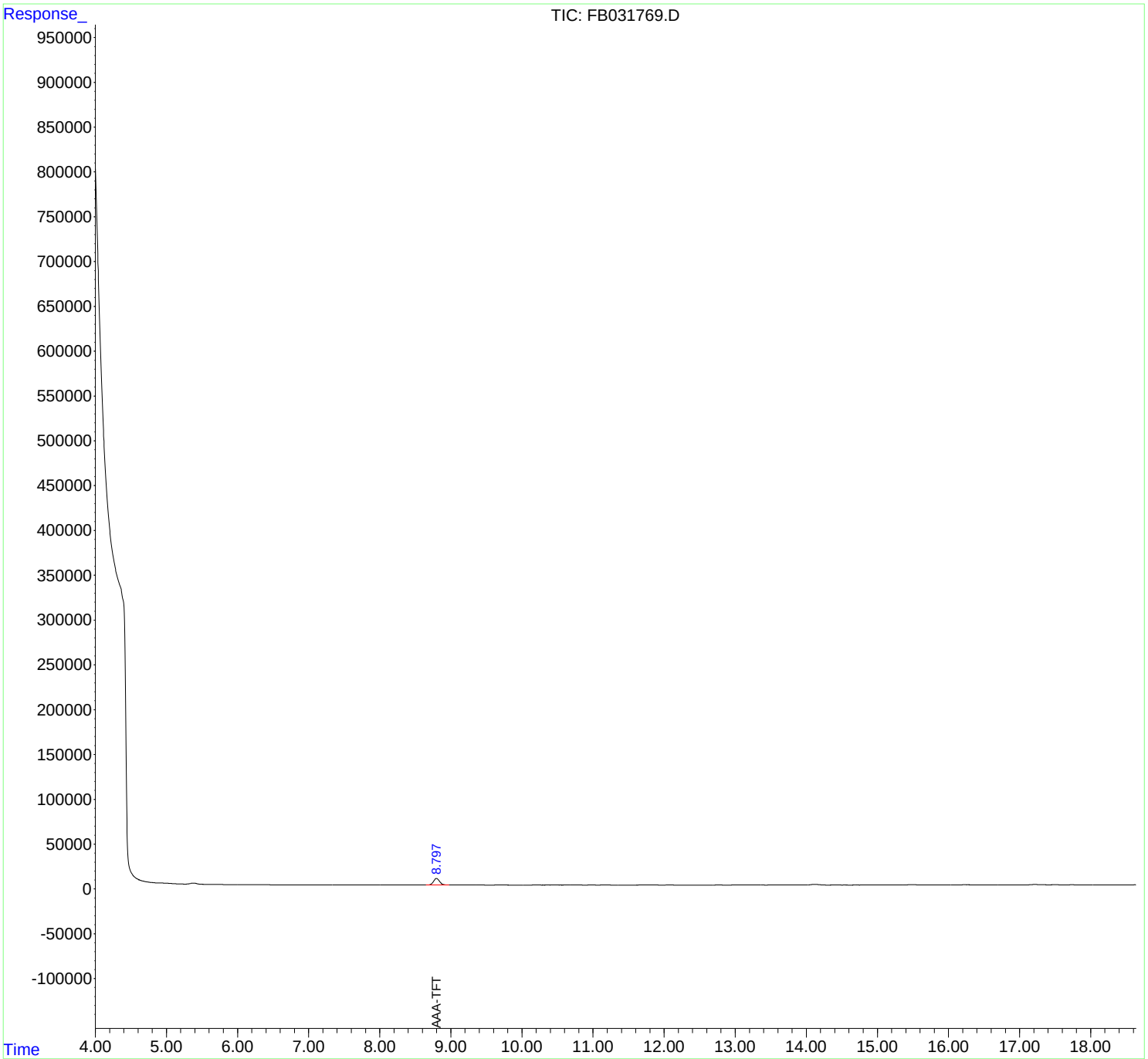
Quantitation Report (QT Reviewed)

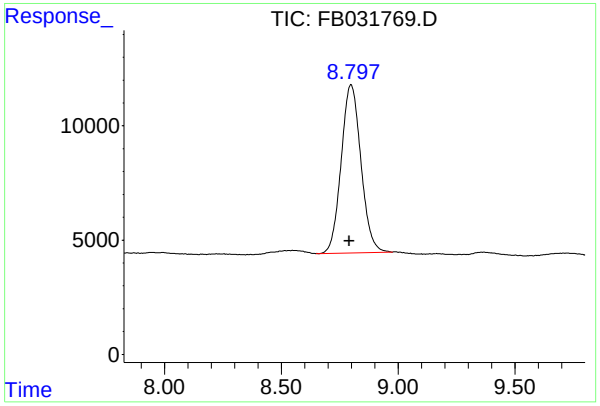
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051625\
Data File : FB031769.D
Signal(s) : FID2B.CH
Acq On : 16 May 2025 13:57
Operator : YP/AJ
Sample : Q2032-01 50X
Misc : 4.26G/5.00 ML MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-11

Integration File: Calibration.e
Quant Time: May 16 23:12:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 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.: 0.007 mi
Response: 432868
Conc: 18.88 ng/m

Instrument :
FID_B
ClientSampleId :
TP-11

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051625\
Data File : FB031769.D
Signal(s) : FID2B.CH
Acq On : 16 May 2025 13:57
Sample : Q2032-01 50X
Misc : 4.26G/5.00 ML MEOH
ALS Vial : 12 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	5.267	5.258	5.275	PV	20	138	0.03%	0.012%
2	5.791	5.787	5.825	PV	12	97	0.02%	0.008%
3	5.838	5.825	5.866	PV	16	254	0.06%	0.021%
4	5.875	5.866	5.882	VV	14	105	0.02%	0.009%
5	5.895	5.882	5.909	VV	28	293	0.06%	0.025%
6	5.928	5.909	5.946	VV	31	554	0.12%	0.046%
7	5.951	5.946	6.029	VV	44	1571	0.35%	0.132%
8	6.039	6.029	6.135	VV	34	1580	0.35%	0.132%
9	6.141	6.135	6.154	VV	31	305	0.07%	0.026%
10	6.180	6.154	6.269	VV	57	3140	0.69%	0.263%
11	6.276	6.269	6.307	VV	44	815	0.18%	0.068%
12	6.373	6.307	6.525	VV	112	8082	1.78%	0.677%
13	6.546	6.525	6.558	VV	24	207	0.05%	0.017%
14	6.567	6.558	6.572	PV	9	46	0.01%	0.004%
15	6.577	6.572	6.591	VV	13	71	0.02%	0.006%
16	6.605	6.591	6.669	PV	24	387	0.09%	0.032%
17	6.683	6.669	6.699	VV	19	230	0.05%	0.019%
18	6.708	6.699	6.734	VV	28	241	0.05%	0.020%
19	6.758	6.734	6.809	PV	24	835	0.18%	0.070%
20	6.825	6.809	6.835	VV	25	300	0.07%	0.025%
21	6.843	6.835	6.854	VV	24	231	0.05%	0.019%
22	6.866	6.854	6.909	VV	32	735	0.16%	0.062%
23	6.920	6.909	6.932	VV	24	194	0.04%	0.016%
24	6.957	6.932	6.965	VV	19	225	0.05%	0.019%
25	6.973	6.965	6.982	VV	24	146	0.03%	0.012%
26	7.064	6.982	7.073	VV	107	3818	0.84%	0.320%
27	7.085	7.073	7.237	VV	117	6191	1.37%	0.519%
28	7.247	7.237	7.316	PB	11	28	0.01%	0.002%
29	7.406	7.321	7.415	BV	85	2591	0.57%	0.217%
30	7.433	7.415	7.449	VV	101	1812	0.40%	0.152%
31	7.456	7.449	7.480	VV	96	1614	0.36%	0.135%
32	7.484	7.480	7.551	VV	83	2351	0.52%	0.197%
33	7.560	7.551	7.574	VV	35	346	0.08%	0.029%
34	7.582	7.574	7.594	VV	41	364	0.08%	0.030%
35	7.639	7.594	7.657	VV	46	1215	0.27%	0.102%
36	7.668	7.657	7.686	VV	40	596	0.13%	0.050%

rteres

37	7.710	7.686	7.737	VV	54	1356	0.30%	0.114%
38	7.765	7.737	7.774	VV	72	1272	0.28%	0.107%
39	7.782	7.774	7.822	VV	67	1245	0.27%	0.104%
40	7.842	7.822	7.858	VV	54	882	0.19%	0.074%
41	7.869	7.858	7.910	VV	50	1293	0.29%	0.108%
42	7.942	7.910	7.975	VV	77	2488	0.55%	0.209%
43	7.993	7.975	8.072	VV	81	3004	0.66%	0.252%
44	8.089	8.072	8.146	VV	38	857	0.19%	0.072%
45	8.159	8.146	8.181	PV	24	295	0.07%	0.025%
46	8.235	8.181	8.347	VV	47	2548	0.56%	0.213%
47	8.370	8.347	8.381	VV	20	271	0.06%	0.023%
48	8.548	8.381	8.665	VV	206	21167	4.67%	1.774%
49	8.799	8.665	8.977	VV	7476	452992	100.00%	37.960%
50	8.990	8.977	9.120	VV	166	9006	1.99%	0.755%
51	9.135	9.120	9.143	VV	83	1086	0.24%	0.091%
52	9.165	9.143	9.252	VV	93	4643	1.03%	0.389%
53	9.265	9.252	9.274	VV	65	759	0.17%	0.064%
54	9.355	9.274	9.378	VV	166	6869	1.52%	0.576%
55	9.382	9.378	9.493	VV	160	6275	1.39%	0.526%
56	9.503	9.493	9.544	VV	42	698	0.15%	0.058%
57	9.572	9.544	9.580	VV	25	346	0.08%	0.029%
58	9.724	9.580	9.898	VV	143	14713	3.25%	1.233%
59	9.912	9.898	9.936	PV	22	281	0.06%	0.024%
60	9.946	9.936	9.987	VV	24	389	0.09%	0.033%
61	9.995	9.987	10.018	VV	25	262	0.06%	0.022%
62	10.032	10.018	10.064	VV	26	411	0.09%	0.034%
63	10.074	10.064	10.085	PV	18	119	0.03%	0.010%
64	10.097	10.085	10.106	VV	28	194	0.04%	0.016%
65	10.198	10.106	10.278	VV	133	9312	2.06%	0.780%
66	10.300	10.278	10.311	VV	78	1431	0.32%	0.120%
67	10.332	10.311	10.343	VV	90	1476	0.33%	0.124%
68	10.363	10.343	10.370	VV	95	1432	0.32%	0.120%
69	10.381	10.370	10.396	VV	106	1430	0.32%	0.120%
70	10.424	10.396	10.434	VV	98	2107	0.47%	0.177%
71	10.445	10.434	10.474	VV	106	2261	0.50%	0.189%
72	10.488	10.474	10.495	VV	100	1228	0.27%	0.103%
73	10.505	10.495	10.524	VV	101	1613	0.36%	0.135%
74	10.532	10.524	10.577	VV	97	2688	0.59%	0.225%
75	10.635	10.577	10.659	VV	152	6059	1.34%	0.508%
76	10.666	10.659	10.680	VV	131	1600	0.35%	0.134%
77	10.688	10.680	10.714	VV	128	2413	0.53%	0.202%
78	10.781	10.714	10.789	VV	180	6290	1.39%	0.527%
79	10.796	10.789	10.892	VV	178	6867	1.52%	0.575%
80	10.962	10.892	10.971	VV	141	4325	0.95%	0.362%
81	10.981	10.971	11.081	VV	144	6358	1.40%	0.533%
82	11.168	11.081	11.322	VV	244	18843	4.16%	1.579%
83	11.339	11.322	11.386	VV	41	887	0.20%	0.074%
84	11.454	11.386	11.463	VV	83	2230	0.49%	0.187%
85	11.482	11.463	11.488	VV	78	1135	0.25%	0.095%
86	11.497	11.488	11.524	VV	81	1511	0.33%	0.127%
87	11.590	11.524	11.605	VV	95	3795	0.84%	0.318%
88	11.619	11.605	11.629	VV	105	1343	0.30%	0.113%
89	11.669	11.629	11.682	VV	155	3947	0.87%	0.331%

rteres

90	11.776	11.682	11.811	VV	288	18347	4.05%	1.537%
91	11.818	11.811	11.827	VV	231	2044	0.45%	0.171%
92	11.846	11.827	11.860	VV	235	4456	0.98%	0.373%
93	11.866	11.860	11.957	VV	222	7479	1.65%	0.627%
94	11.977	11.957	11.984	VV	45	557	0.12%	0.047%
95	12.089	11.984	12.197	VV	202	14303	3.16%	1.199%
96	12.205	12.197	12.217	VV	41	351	0.08%	0.029%
97	12.233	12.217	12.260	VV	49	848	0.19%	0.071%
98	12.270	12.260	12.289	VV	49	682	0.15%	0.057%
99	12.336	12.289	12.436	VV	75	3976	0.88%	0.333%
100	12.445	12.436	12.451	PV	9	53	0.01%	0.004%
101	12.468	12.451	12.480	VV	15	196	0.04%	0.016%
102	12.504	12.480	12.517	VV	32	484	0.11%	0.041%
103	12.540	12.517	12.553	VV	35	578	0.13%	0.048%
104	12.565	12.553	12.577	VV	33	394	0.09%	0.033%
105	12.586	12.577	12.596	VV	33	274	0.06%	0.023%
106	12.608	12.596	12.617	VV	27	271	0.06%	0.023%
107	12.644	12.617	12.671	VV	49	1015	0.22%	0.085%
108	12.756	12.671	12.904	VV	173	13113	2.89%	1.099%
109	13.011	12.904	13.099	VV	284	22035	4.86%	1.847%
110	13.110	13.099	13.162	VV	197	6443	1.42%	0.540%
111	13.181	13.162	13.202	VV	147	3389	0.75%	0.284%
112	13.215	13.202	13.231	VV	144	2378	0.52%	0.199%
113	13.304	13.231	13.430	VV	298	24738	5.46%	2.073%
114	13.540	13.430	13.628	VV	344	22952	5.07%	1.923%
115	13.635	13.628	13.649	VV	103	1128	0.25%	0.095%
116	13.808	13.649	13.897	VV	330	29702	6.56%	2.489%
117	13.930	13.897	13.986	VV	152	6594	1.46%	0.553%
118	14.111	13.986	14.312	VV	757	70982	15.67%	5.948%
119	14.415	14.312	14.509	VV	168	10718	2.37%	0.898%
120	14.555	14.509	14.563	VV	58	1423	0.31%	0.119%
121	14.570	14.563	14.624	VV	48	908	0.20%	0.076%
122	14.674	14.624	14.688	VV	70	1473	0.33%	0.123%
123	14.699	14.688	14.722	VV	68	1118	0.25%	0.094%
124	14.730	14.722	14.755	VV	49	756	0.17%	0.063%
125	14.831	14.755	14.902	VV	163	9194	2.03%	0.770%
126	14.907	14.902	14.921	VV	68	657	0.15%	0.055%
127	14.937	14.921	14.948	VV	65	878	0.19%	0.074%
128	15.070	14.948	15.080	VV	280	12079	2.67%	1.012%
129	15.091	15.080	15.102	VV	278	3645	0.80%	0.305%
130	15.128	15.102	15.135	VV	283	5343	1.18%	0.448%
131	15.171	15.135	15.214	VV	300	13134	2.90%	1.101%
132	15.220	15.214	15.238	VV	261	3608	0.80%	0.302%
133	15.254	15.238	15.264	VV	272	4084	0.90%	0.342%
134	15.291	15.264	15.369	VV	285	15201	3.36%	1.274%
135	15.493	15.369	15.581	VV	565	46082	10.17%	3.862%
136	15.598	15.581	15.609	VV	222	3668	0.81%	0.307%
137	15.631	15.609	15.640	VV	222	3846	0.85%	0.322%
138	15.663	15.640	15.729	VV	231	10237	2.26%	0.858%
139	15.799	15.729	15.876	VV	310	18396	4.06%	1.542%
140	15.946	15.876	16.047	VV	297	20154	4.45%	1.689%
141	16.054	16.047	16.094	VV	118	2955	0.65%	0.248%

rteres

142	16.099	16.094	16.106	VV	111	784	0.17%	0.066%
143	16.205	16.106	16.254	VV	324	20069	4.43%	1.682%
144	16.276	16.254	16.346	VV	318	15226	3.36%	1.276%
145	16.383	16.346	16.492	VV	281	18147	4.01%	1.521%
146	16.540	16.492	16.621	VV	166	9315	2.06%	0.781%
147	16.631	16.621	16.728	VV	78	2328	0.51%	0.195%
148	16.827	16.728	16.884	PV	109	5678	1.25%	0.476%
149	16.896	16.884	16.905	VV	67	732	0.16%	0.061%
150	16.910	16.905	16.987	VV	55	1101	0.24%	0.092%
151	17.042	16.987	17.055	PV	32	628	0.14%	0.053%

Sum of corrected areas: 1193338

FB042325.M Sat May 17 00:23:40 2025

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/13/25
Project:	South River WM Replacement	Date Received:	05/13/25
Client Sample ID:	TP-29	SDG No.:	Q2032
Lab Sample ID:	Q2032-02	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	86.1 Decanted:
Sample Wt/Vol:	6.88 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
FB031756.D	1	05/15/25 15:40	FB051525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	7.00	U	7.00	38.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	17.7		50 - 150	88%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051525\
Data File : FB031756.D
Signal(s) : FID2B.CH
Acq On : 15 May 2025 15:40
Operator : YP/AJ
Sample : Q2032-02
Misc : 6.88G/5.00 ML DI WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-29

Integration File: Calibration.e
Quant Time: May 16 02:34:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 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	405406	17.678 ng/ml
	Target Compounds			

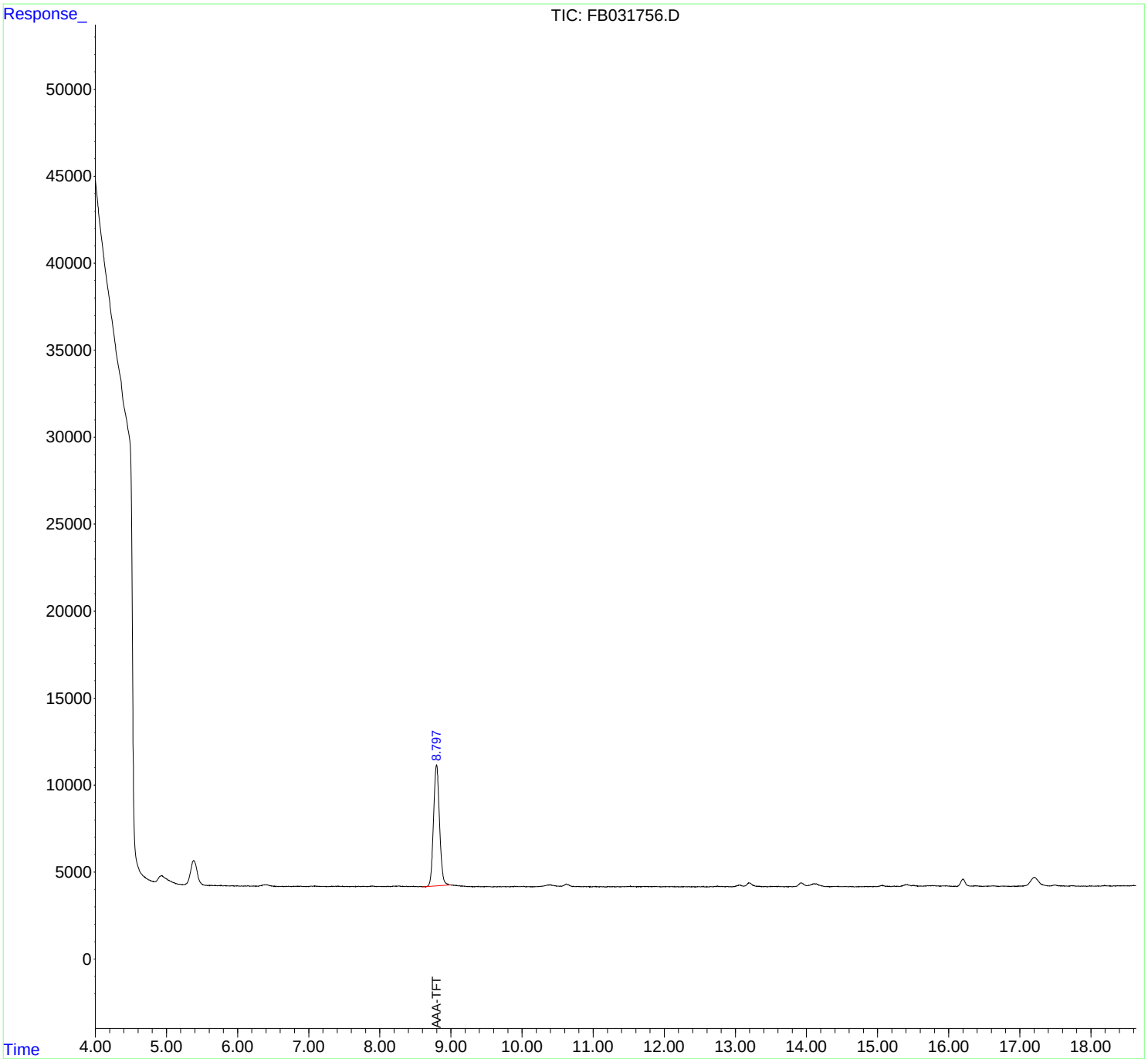
(f)=RT Delta > 1/2 Window (m)=manual int.

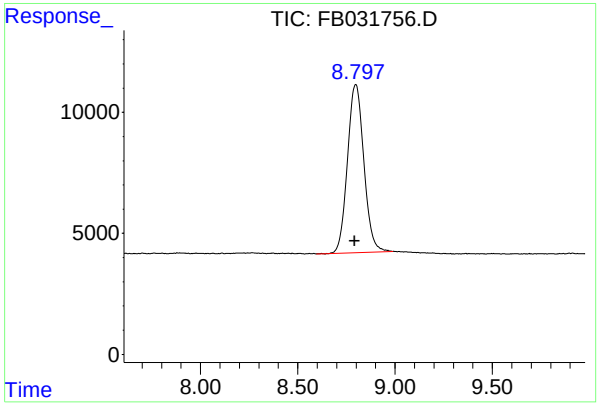
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051525\
Data File : FB031756.D
Signal(s) : FID2B.CH
Acq On : 15 May 2025 15:40
Operator : YP/AJ
Sample : Q2032-02
Misc : 6.88G/5.00 ML DI WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-29

Integration File: Calibration.e
Quant Time: May 16 02:34:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#5 AAA-TFT

R.T.: 8.798 min
Delta R.T.: 0.006 mi
Response: 405406
Conc: 17.68 ng/m

Instrument :
FID_B
ClientSampleId :
TP-29

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051525\
Data File : FB031756.D
Signal(s) : FID2B.CH
Acq On : 15 May 2025 15:40
Sample : Q2032-02
Misc : 6.88G/5.00 ML DI WATER
ALS Vial : 10 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	5.178	5.166	5.214	PV	15	193	0.05%	0.030%
2	5.222	5.214	5.246	PV	13	127	0.03%	0.019%
3	5.559	5.551	5.576	VV	23	157	0.04%	0.024%
4	5.600	5.576	5.625	PV	12	141	0.03%	0.022%
5	5.641	5.625	5.667	VV	21	226	0.05%	0.035%
6	5.684	5.667	5.717	VV	19	231	0.06%	0.036%
7	5.744	5.717	5.762	PV	21	296	0.07%	0.045%
8	5.770	5.762	5.801	VV	35	354	0.08%	0.054%
9	5.831	5.801	5.840	VV	28	322	0.08%	0.049%
10	5.850	5.840	5.868	PV	21	189	0.04%	0.029%
11	5.885	5.868	5.896	VV	11	136	0.03%	0.021%
12	5.923	5.896	5.932	VV	28	375	0.09%	0.058%
13	5.940	5.932	5.953	VV	24	176	0.04%	0.027%
14	5.997	5.953	6.012	VV	24	448	0.11%	0.069%
15	6.024	6.012	6.046	PV	14	145	0.03%	0.022%
16	6.056	6.046	6.069	VV	19	169	0.04%	0.026%
17	6.101	6.069	6.130	VV	17	434	0.10%	0.067%
18	6.143	6.130	6.172	VV	32	497	0.12%	0.076%
19	6.217	6.172	6.256	VV	24	739	0.18%	0.114%
20	6.266	6.256	6.272	VV	22	144	0.03%	0.022%
21	6.277	6.272	6.294	VV	20	200	0.05%	0.031%
22	6.384	6.294	6.460	VV	101	6910	1.65%	1.062%
23	6.468	6.460	6.478	VV	56	460	0.11%	0.071%
24	6.484	6.478	6.533	VV	38	882	0.21%	0.136%
25	6.547	6.533	6.572	VV	25	381	0.09%	0.059%
26	6.628	6.572	6.647	VV	28	792	0.19%	0.122%
27	6.685	6.647	6.696	PV	24	410	0.10%	0.063%
28	6.717	6.696	6.733	VV	34	493	0.12%	0.076%
29	6.745	6.733	6.753	VV	22	208	0.05%	0.032%
30	6.784	6.753	6.803	VV	28	581	0.14%	0.089%
31	6.844	6.830	6.852	VV	33	325	0.08%	0.050%
32	6.861	6.852	6.869	VV	27	251	0.06%	0.039%
33	6.885	6.869	6.967	VV	34	1125	0.27%	0.173%
34	6.986	6.967	7.005	VV	26	393	0.09%	0.060%
35	7.043	7.005	7.055	VV	39	893	0.21%	0.137%
36	7.065	7.055	7.071	VV	40	298	0.07%	0.046%

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37	7.082	7.071	7.120	VV	42	1009	0.24%	0.155%
38	7.127	7.120	7.162	VV	35	643	0.15%	0.099%
39	7.173	7.162	7.220	VV	26	682	0.16%	0.105%
40	7.226	7.220	7.245	VV	25	264	0.06%	0.041%
41	7.251	7.245	7.273	VV	22	218	0.05%	0.033%
42	7.329	7.273	7.341	VV	31	692	0.16%	0.106%
43	7.352	7.341	7.362	VV	32	247	0.06%	0.038%
44	7.377	7.362	7.388	VV	35	382	0.09%	0.059%
45	7.406	7.388	7.443	VV	41	993	0.24%	0.153%
46	7.478	7.443	7.489	VV	34	638	0.15%	0.098%
47	7.499	7.489	7.510	VV	19	181	0.04%	0.028%
48	7.529	7.510	7.552	VV	21	434	0.10%	0.067%
49	7.565	7.552	7.575	VV	28	228	0.05%	0.035%
50	7.590	7.575	7.601	PV	18	177	0.04%	0.027%
51	7.618	7.601	7.627	VV	29	266	0.06%	0.041%
52	7.636	7.627	7.645	VV	20	151	0.04%	0.023%
53	7.665	7.645	7.690	VV	20	371	0.09%	0.057%
54	7.701	7.690	7.727	VV	33	476	0.11%	0.073%
55	7.764	7.727	7.779	VV	32	672	0.16%	0.103%
56	7.803	7.779	7.837	VV	31	725	0.17%	0.112%
57	7.850	7.837	7.857	VV	27	254	0.06%	0.039%
58	7.880	7.857	7.888	VV	46	596	0.14%	0.092%
59	7.896	7.888	7.950	VV	48	1194	0.28%	0.184%
60	7.978	7.950	8.024	VV	28	991	0.24%	0.152%
61	8.036	8.024	8.048	VV	20	248	0.06%	0.038%
62	8.063	8.048	8.086	VV	31	414	0.10%	0.064%
63	8.110	8.086	8.124	VV	39	502	0.12%	0.077%
64	8.142	8.124	8.154	VV	25	351	0.08%	0.054%
65	8.208	8.154	8.216	VV	42	1166	0.28%	0.179%
66	8.225	8.216	8.234	VV	51	401	0.10%	0.062%
67	8.270	8.234	8.311	VV	54	1839	0.44%	0.283%
68	8.320	8.311	8.341	VV	35	450	0.11%	0.069%
69	8.374	8.341	8.408	VV	39	997	0.24%	0.153%
70	8.421	8.408	8.436	VV	32	378	0.09%	0.058%
71	8.453	8.436	8.465	VV	33	438	0.10%	0.067%
72	8.472	8.465	8.487	VV	35	278	0.07%	0.043%
73	8.509	8.487	8.537	VV	22	453	0.11%	0.070%
74	8.559	8.537	8.595	VV	24	492	0.12%	0.076%
75	8.624	8.595	8.644	VV	22	364	0.09%	0.056%
76	8.798	8.644	9.013	VV	7006	419692	100.00%	64.533%
77	9.021	9.013	9.046	VV	111	1978	0.47%	0.304%
78	9.054	9.046	9.111	VV	94	3034	0.72%	0.467%
79	9.119	9.111	9.133	VV	66	794	0.19%	0.122%
80	9.140	9.133	9.191	VV	54	1643	0.39%	0.253%
81	9.196	9.191	9.217	VV	48	573	0.14%	0.088%
82	9.225	9.217	9.243	VV	32	377	0.09%	0.058%
83	9.252	9.243	9.308	VV	32	681	0.16%	0.105%
84	9.365	9.308	9.415	VV	33	983	0.23%	0.151%
85	9.427	9.415	9.470	VV	22	406	0.10%	0.062%
86	9.507	9.470	9.544	VV	24	745	0.18%	0.115%
87	9.556	9.544	9.581	VV	18	212	0.05%	0.033%
88	9.602	9.581	9.656	VV	21	496	0.12%	0.076%
89	9.664	9.656	9.680	VV	20	170	0.04%	0.026%

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90	9.690	9.680	9.709	VV	24	218	0.05%	0.034%
91	9.718	9.709	9.729	VV	20	152	0.04%	0.023%
92	9.747	9.729	9.767	VV	19	336	0.08%	0.052%
93	9.775	9.767	9.785	VV	21	145	0.03%	0.022%
94	9.803	9.785	9.825	VV	22	363	0.09%	0.056%
95	9.845	9.825	9.852	VV	25	248	0.06%	0.038%
96	9.865	9.852	9.875	VV	26	282	0.07%	0.043%
97	9.896	9.875	9.951	VV	48	1262	0.30%	0.194%
98	9.997	9.951	10.008	VV	34	741	0.18%	0.114%
99	10.029	10.008	10.048	VV	42	567	0.14%	0.087%
100	10.087	10.048	10.122	VV	21	682	0.16%	0.105%
101	10.131	10.122	10.141	VV	21	169	0.04%	0.026%
102	10.166	10.141	10.182	VV	21	364	0.09%	0.056%
103	10.229	10.182	10.240	VV	28	671	0.16%	0.103%
104	10.271	10.240	10.279	VV	52	822	0.20%	0.126%
105	10.390	10.279	10.527	VV	136	12150	2.90%	1.868%
106	10.546	10.527	10.556	VV	60	847	0.20%	0.130%
107	10.623	10.556	10.705	VV	171	8879	2.12%	1.365%
108	10.724	10.705	10.754	VV	45	935	0.22%	0.144%
109	10.761	10.754	10.768	VV	30	223	0.05%	0.034%
110	10.786	10.768	10.834	VV	40	1044	0.25%	0.161%
111	10.849	10.834	10.862	VV	22	319	0.08%	0.049%
112	10.886	10.862	10.908	VV	30	583	0.14%	0.090%
113	10.937	10.908	10.945	VV	32	502	0.12%	0.077%
114	10.950	10.945	10.965	VV	28	192	0.05%	0.030%
115	10.973	10.965	10.982	VV	18	112	0.03%	0.017%
116	11.025	10.982	11.055	VV	34	1001	0.24%	0.154%
117	11.064	11.055	11.084	VV	26	314	0.07%	0.048%
118	11.114	11.084	11.129	PV	27	465	0.11%	0.072%
119	11.142	11.129	11.175	VV	27	422	0.10%	0.065%
120	11.212	11.175	11.273	VV	30	1007	0.24%	0.155%
121	11.288	11.273	11.318	VV	19	441	0.11%	0.068%
122	11.339	11.318	11.363	VV	31	476	0.11%	0.073%
123	11.393	11.363	11.400	VV	17	314	0.07%	0.048%
124	11.411	11.400	11.442	VV	27	532	0.13%	0.082%
125	11.451	11.442	11.466	VV	26	297	0.07%	0.046%
126	11.504	11.466	11.520	VV	39	959	0.23%	0.147%
127	11.527	11.520	11.559	VV	46	633	0.15%	0.097%
128	11.568	11.559	11.618	VV	37	758	0.18%	0.117%
129	11.631	11.618	11.640	VV	29	248	0.06%	0.038%
130	11.653	11.640	11.674	VV	32	405	0.10%	0.062%
131	11.709	11.674	11.754	VV	38	1278	0.30%	0.196%
132	11.762	11.754	11.773	VV	36	283	0.07%	0.043%
133	11.785	11.773	11.802	VV	33	414	0.10%	0.064%
134	11.810	11.802	11.833	VV	30	408	0.10%	0.063%
135	11.854	11.833	11.882	VV	41	719	0.17%	0.111%
136	11.889	11.882	11.898	VV	32	232	0.06%	0.036%
137	11.907	11.898	11.916	VV	27	249	0.06%	0.038%
138	11.930	11.916	11.965	VV	26	512	0.12%	0.079%
139	11.978	11.965	12.030	VV	20	680	0.16%	0.105%
140	12.038	12.030	12.046	VV	21	182	0.04%	0.028%
141	12.063	12.046	12.108	VV	25	670	0.16%	0.103%

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142	12.116	12.108	12.128	VV	29	246	0.06%	0.038%
143	12.147	12.128	12.158	VV	28	331	0.08%	0.051%
144	12.177	12.158	12.195	VV	24	351	0.08%	0.054%
145	12.199	12.195	12.208	VV	16	101	0.02%	0.016%
146	12.214	12.208	12.226	VV	17	132	0.03%	0.020%
147	12.250	12.226	12.285	VV	24	589	0.14%	0.091%
148	12.297	12.285	12.309	VV	26	256	0.06%	0.039%
149	12.320	12.309	12.327	VV	18	156	0.04%	0.024%
150	12.342	12.327	12.368	VV	26	397	0.09%	0.061%
151	12.378	12.368	12.389	VV	20	172	0.04%	0.026%
152	12.408	12.389	12.418	VV	25	287	0.07%	0.044%
153	12.426	12.418	12.436	VV	26	159	0.04%	0.024%
154	12.479	12.436	12.486	PV	21	413	0.10%	0.063%
155	12.498	12.486	12.510	VV	26	254	0.06%	0.039%
156	12.530	12.510	12.541	VV	40	348	0.08%	0.053%
157	12.552	12.541	12.563	VV	41	249	0.06%	0.038%
158	12.657	12.563	12.678	VV	20	763	0.18%	0.117%
159	12.688	12.678	12.695	VV	23	175	0.04%	0.027%
160	12.709	12.695	12.721	VV	34	374	0.09%	0.058%
161	12.750	12.721	12.779	VV	58	1281	0.31%	0.197%
162	12.785	12.779	12.801	VV	40	378	0.09%	0.058%
163	12.810	12.801	12.835	VV	30	444	0.11%	0.068%
164	12.849	12.835	12.862	VV	23	279	0.07%	0.043%
165	12.871	12.862	12.877	VV	27	155	0.04%	0.024%
166	12.887	12.877	12.906	VV	34	459	0.11%	0.071%
167	12.915	12.906	12.929	VV	19	197	0.05%	0.030%
168	12.937	12.929	12.946	VV	22	146	0.03%	0.023%
169	12.954	12.946	12.962	VV	19	113	0.03%	0.017%
170	13.013	12.962	13.025	VV	73	1411	0.34%	0.217%
171	13.066	13.025	13.117	VV	118	4478	1.07%	0.689%
172	13.199	13.117	13.316	VV	239	13931	3.32%	2.142%
173	13.325	13.316	13.347	VV	45	658	0.16%	0.101%
174	13.355	13.347	13.373	VV	28	376	0.09%	0.058%
175	13.379	13.373	13.395	VV	19	202	0.05%	0.031%
176	13.420	13.395	13.460	VV	29	720	0.17%	0.111%
177	13.467	13.460	13.479	VV	22	208	0.05%	0.032%
178	13.491	13.479	13.500	VV	40	350	0.08%	0.054%
179	13.538	13.500	13.561	VV	36	957	0.23%	0.147%
180	13.573	13.561	13.594	VV	30	454	0.11%	0.070%
181	13.605	13.594	13.617	VV	42	384	0.09%	0.059%
182	13.628	13.617	13.661	VV	22	410	0.10%	0.063%
183	13.672	13.661	13.693	VV	20	252	0.06%	0.039%
184	13.705	13.693	13.736	VV	15	333	0.08%	0.051%
185	13.745	13.736	13.752	VV	17	116	0.03%	0.018%
186	13.768	13.752	13.799	VV	28	547	0.13%	0.084%
187	13.923	13.799	14.012	VV	235	13727	3.27%	2.111%
188	14.031	14.012	14.039	VV	98	1357	0.32%	0.209%
189	14.105	14.039	14.127	VV	185	7818	1.86%	1.202%
190	14.137	14.127	14.267	VV	181	7587	1.81%	1.167%
191	14.287	14.267	14.346	VV	28	814	0.19%	0.125%
192	14.352	14.346	14.357	VV	23	122	0.03%	0.019%
193	14.446	14.357	14.476	VV	42	1719	0.41%	0.264%
194	14.497	14.476	14.511	VV	20	297	0.07%	0.046%

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195	14.548	14.511	14.565	VV	35	621	0.15%	0.096%
196	14.578	14.565	14.592	VV	18	186	0.04%	0.029%
197	14.616	14.592	14.640	VV	32	443	0.11%	0.068%
198	14.654	14.640	14.683	VV	28	268	0.06%	0.041%
199	14.697	14.683	14.707	VV	13	115	0.03%	0.018%
200	14.729	14.707	14.738	VV	21	196	0.05%	0.030%
201	14.754	14.738	14.763	PV	14	144	0.03%	0.022%
202	14.775	14.763	14.801	VV	16	246	0.06%	0.038%
203	14.816	14.801	14.834	VV	27	350	0.08%	0.054%
204	14.843	14.834	14.877	VV	26	423	0.10%	0.065%
205	14.897	14.877	14.907	VV	24	315	0.07%	0.048%
206	14.922	14.907	14.936	VV	21	224	0.05%	0.034%
207	14.951	14.936	14.966	VV	25	284	0.07%	0.044%
208	14.977	14.966	14.990	VV	20	202	0.05%	0.031%
209	15.012	14.990	15.020	VV	41	413	0.10%	0.063%
210	15.061	15.020	15.078	VV	74	2041	0.49%	0.314%
211	15.083	15.078	15.120	VV	76	1210	0.29%	0.186%
212	15.129	15.120	15.153	VV	38	595	0.14%	0.091%
213	15.164	15.153	15.187	VV	33	454	0.11%	0.070%
214	15.208	15.187	15.219	VV	34	387	0.09%	0.060%
215	15.238	15.219	15.276	VV	47	1022	0.24%	0.157%
216	15.286	15.276	15.301	VV	37	394	0.09%	0.061%
217	15.398	15.301	15.411	VV	131	4560	1.09%	0.701%
218	15.421	15.411	15.473	VV	128	3381	0.81%	0.520%
219	15.490	15.473	15.499	VV	72	1033	0.25%	0.159%
220	15.515	15.499	15.568	VV	83	2321	0.55%	0.357%
221	15.575	15.568	15.587	VV	41	382	0.09%	0.059%
222	15.609	15.587	15.639	VV	45	1146	0.27%	0.176%
223	15.666	15.639	15.683	VV	45	1025	0.24%	0.158%
224	15.704	15.683	15.714	VV	61	934	0.22%	0.144%
225	15.727	15.714	15.754	VV	61	1260	0.30%	0.194%
226	15.769	15.754	15.787	VV	71	1119	0.27%	0.172%
227	15.809	15.787	15.832	VV	64	1428	0.34%	0.220%
228	15.840	15.832	15.885	VV	48	1183	0.28%	0.182%
229	15.891	15.885	15.902	VV	35	301	0.07%	0.046%
230	15.946	15.902	15.955	VV	47	1301	0.31%	0.200%
231	15.968	15.955	16.002	VV	47	1085	0.26%	0.167%
232	16.010	16.002	16.027	VV	35	388	0.09%	0.060%
233	16.040	16.027	16.059	VV	32	314	0.07%	0.048%
234	16.097	16.059	16.116	VV	27	585	0.14%	0.090%
235	16.204	16.116	16.339	VV	432	20511	4.89%	3.154%
236	16.376	16.339	16.389	VV	47	1102	0.26%	0.169%
237	16.403	16.389	16.415	VV	46	527	0.13%	0.081%
238	16.427	16.415	16.448	VV	33	418	0.10%	0.064%
239	16.455	16.448	16.477	VV	18	219	0.05%	0.034%
240	16.486	16.477	16.496	VV	17	125	0.03%	0.019%
241	16.534	16.496	16.554	VV	22	535	0.13%	0.082%
242	16.568	16.554	16.586	VV	30	386	0.09%	0.059%
243	16.612	16.586	16.621	VV	36	536	0.13%	0.082%
244	16.627	16.621	16.695	VV	34	989	0.24%	0.152%
245	16.706	16.695	16.722	VV	14	166	0.04%	0.026%
246	16.765	16.722	16.787	VV	30	718	0.17%	0.110%

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247	16.809	16.787	16.823	VV	21	328	0.08%	0.050%
248	16.831	16.823	16.850	VV	14	127	0.03%	0.020%
249	16.858	16.850	16.890	PV	12	155	0.04%	0.024%
250	16.902	16.890	16.950	VV	19	366	0.09%	0.056%
251	16.987	16.950	17.013	PV	17	374	0.09%	0.058%
252	17.023	17.013	17.039	VV	20	148	0.04%	0.023%
253	17.058	17.039	17.064	PV	11	65	0.02%	0.010%
			Sum of corrected areas:			650352		

FB042325.M Fri May 16 03:10:49 2025

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/13/25
Project:	South River WM Replacement	Date Received:	05/13/25
Client Sample ID:	TP-29-99	SDG No.:	Q2032
Lab Sample ID:	Q2032-03	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	86.8 Decanted:
Sample Wt/Vol:	6.6 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031768.D	1	05/16/25 13:29	FB051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	21.0	J	7.00	39.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	20.5		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\FB051625\
Data File : FB031768.D
Signal(s) : FID2B.CH
Acq On : 16 May 2025 13:29
Operator : YP/AJ
Sample : Q2032-03
Misc : 6.60G/5.00 ML DI WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-29-99

Integration File: Calibration.e
Quant Time: May 16 23:12:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 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	469609	20.478 ng/ml
Target Compounds				

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

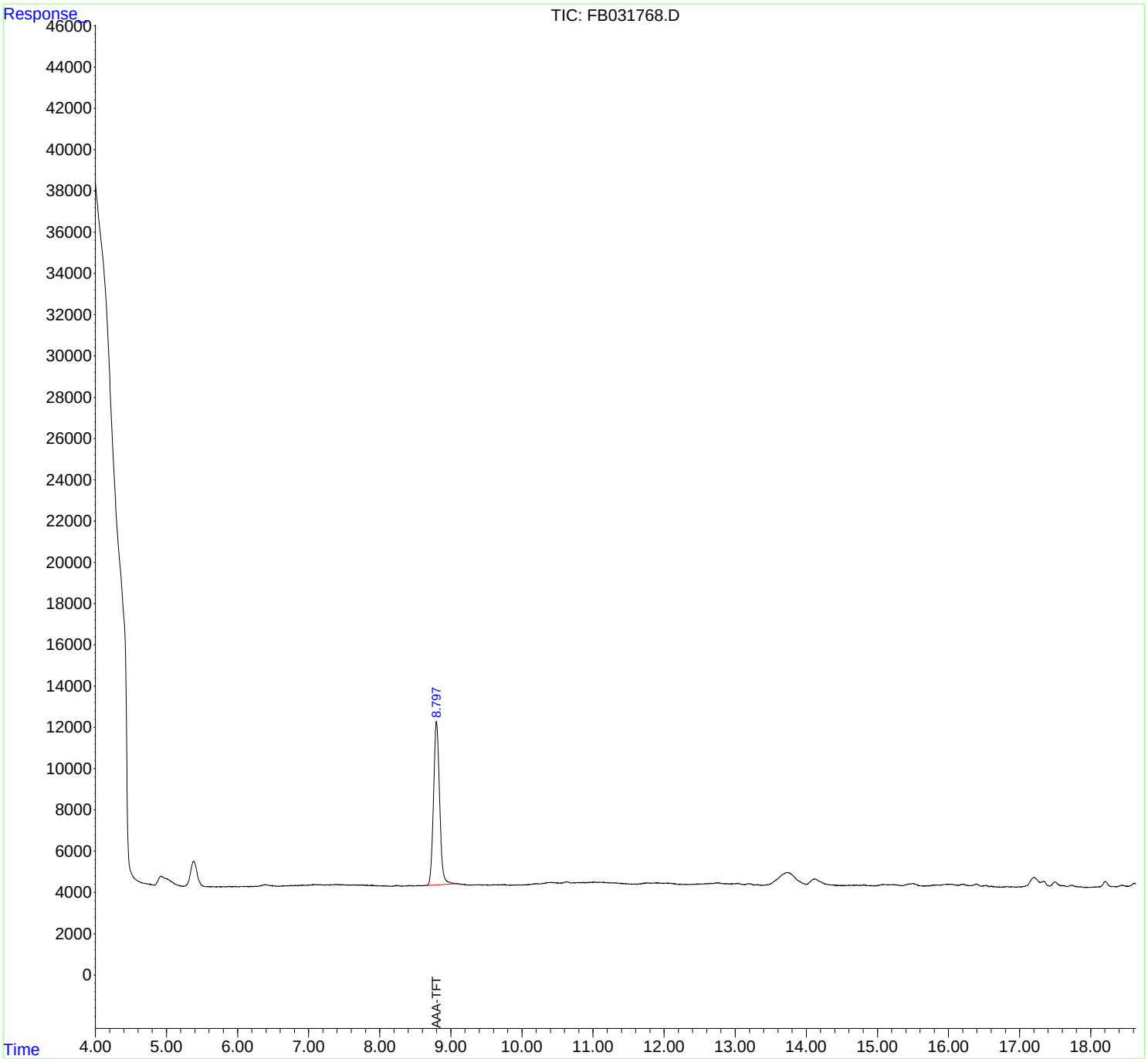
Quantitation Report (QT Reviewed)

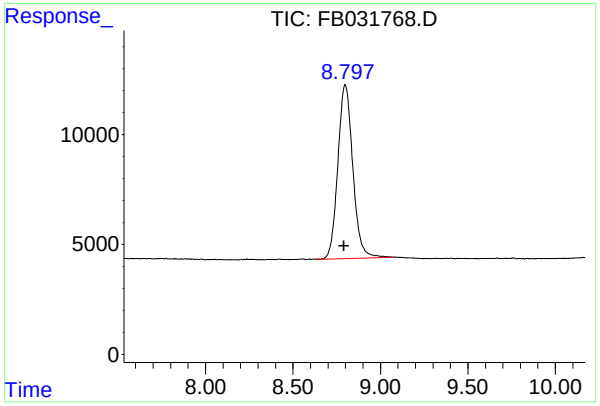
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051625\
Data File : FB031768.D
Signal(s) : FID2B.CH
Acq On : 16 May 2025 13:29
Operator : YP/AJ
Sample : Q2032-03
Misc : 6.60G/5.00 ML DI WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-29-99

Integration File: Calibration.e
Quant Time: May 16 23:12:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#5 AAA-TFT

R.T.: 8.798 min
Delta R.T.: 0.006 mi
Response: 469609
Conc: 20.48 ng/m

Instrument :
FID_B
ClientSampleId :
TP-29-99

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051625\
Data File : FB031768.D
Signal(s) : FID2B.CH
Acq On : 16 May 2025 13:29
Sample : Q2032-03
Misc : 6.60G/5.00 ML DI WATER
ALS Vial : 11 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.737	4.687	4.824	BV	8	144	0.03%	0.011%
2	5.164	5.155	5.227	VV	50	1125	0.22%	0.089%
3	5.243	5.227	5.250	PV	19	128	0.03%	0.010%
4	5.575	5.556	5.595	VV	26	320	0.06%	0.025%
5	5.622	5.595	5.633	VV	22	278	0.05%	0.022%
6	5.650	5.633	5.701	PV	33	545	0.11%	0.043%
7	5.738	5.701	5.786	VV	25	755	0.15%	0.060%
8	5.797	5.786	5.837	VV	22	518	0.10%	0.041%
9	5.879	5.837	5.898	VV	36	850	0.17%	0.067%
10	5.908	5.898	5.932	VV	32	449	0.09%	0.036%
11	5.943	5.932	5.950	VV	30	254	0.05%	0.020%
12	5.968	5.950	5.988	VV	37	596	0.12%	0.047%
13	6.011	5.988	6.021	VV	25	365	0.07%	0.029%
14	6.044	6.021	6.051	VV	25	357	0.07%	0.028%
15	6.061	6.051	6.073	VV	28	316	0.06%	0.025%
16	6.082	6.073	6.112	VV	41	755	0.15%	0.060%
17	6.128	6.112	6.141	VV	40	575	0.11%	0.046%
18	6.149	6.141	6.167	VV	43	522	0.10%	0.041%
19	6.177	6.167	6.199	VV	42	620	0.12%	0.049%
20	6.207	6.199	6.232	VV	36	625	0.12%	0.050%
21	6.248	6.232	6.260	VV	51	611	0.12%	0.048%
22	6.277	6.260	6.285	VV	49	603	0.12%	0.048%
23	6.297	6.285	6.304	VV	57	541	0.11%	0.043%
24	6.375	6.304	6.386	VV	121	4409	0.86%	0.349%
25	6.394	6.386	6.400	VV	129	980	0.19%	0.078%
26	6.407	6.400	6.456	VV	129	3514	0.69%	0.278%
27	6.466	6.456	6.479	VV	94	1137	0.22%	0.090%
28	6.493	6.479	6.550	VV	83	2867	0.56%	0.227%
29	6.569	6.550	6.580	VV	61	992	0.19%	0.079%
30	6.589	6.580	6.605	VV	62	896	0.18%	0.071%
31	6.611	6.605	6.618	VV	64	458	0.09%	0.036%
32	6.627	6.618	6.634	VV	66	600	0.12%	0.048%
33	6.656	6.634	6.667	VV	80	1419	0.28%	0.112%
34	6.686	6.667	6.702	VV	77	1521	0.30%	0.120%
35	6.708	6.702	6.716	VV	79	626	0.12%	0.050%
36	6.733	6.716	6.743	VV	93	1349	0.26%	0.107%

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37	6.754	6.743	6.793	VV	98	2593	0.51%	0.205%
38	6.820	6.793	6.828	VV	99	1868	0.37%	0.148%
39	6.839	6.828	6.859	VV	95	1646	0.32%	0.130%
40	6.874	6.859	6.885	VV	101	1466	0.29%	0.116%
41	6.902	6.885	6.929	VV	114	2781	0.54%	0.220%
42	6.946	6.929	6.971	VV	114	2564	0.50%	0.203%
43	6.984	6.971	6.996	VV	123	1634	0.32%	0.129%
44	7.007	6.996	7.017	VV	122	1471	0.29%	0.117%
45	7.074	7.017	7.122	VV	148	8182	1.60%	0.648%
46	7.134	7.122	7.146	VV	139	1843	0.36%	0.146%
47	7.158	7.146	7.185	VV	133	3037	0.59%	0.241%
48	7.197	7.185	7.206	VV	128	1554	0.30%	0.123%
49	7.227	7.206	7.238	VV	129	2370	0.46%	0.188%
50	7.259	7.238	7.298	VV	133	4463	0.87%	0.353%
51	7.352	7.298	7.365	VV	142	5320	1.04%	0.421%
52	7.401	7.365	7.415	VV	154	4358	0.85%	0.345%
53	7.428	7.415	7.449	VV	149	2830	0.55%	0.224%
54	7.473	7.449	7.491	VV	146	3506	0.69%	0.278%
55	7.498	7.491	7.562	VV	142	5511	1.08%	0.437%
56	7.580	7.562	7.604	VV	133	3142	0.62%	0.249%
57	7.613	7.604	7.633	VV	135	2265	0.44%	0.179%
58	7.641	7.633	7.665	VV	131	2408	0.47%	0.191%
59	7.677	7.665	7.716	VV	134	3901	0.76%	0.309%
60	7.727	7.716	7.765	VV	130	3752	0.73%	0.297%
61	7.774	7.765	7.786	VV	144	1634	0.32%	0.129%
62	7.795	7.786	7.805	VV	125	1301	0.25%	0.103%
63	7.814	7.805	7.818	VV	118	891	0.17%	0.071%
64	7.825	7.818	7.849	VV	128	2132	0.42%	0.169%
65	7.883	7.849	7.922	VV	123	4852	0.95%	0.384%
66	7.929	7.922	7.941	VV	107	1107	0.22%	0.088%
67	7.950	7.941	7.963	VV	111	1315	0.26%	0.104%
68	7.980	7.963	7.998	VV	105	1973	0.39%	0.156%
69	8.023	7.998	8.048	VV	100	2671	0.52%	0.212%
70	8.057	8.048	8.072	VV	103	1266	0.25%	0.100%
71	8.080	8.072	8.106	VV	99	1806	0.35%	0.143%
72	8.114	8.106	8.125	VV	87	965	0.19%	0.076%
73	8.141	8.125	8.169	VV	91	2243	0.44%	0.178%
74	8.206	8.169	8.214	VV	106	2297	0.45%	0.182%
75	8.239	8.214	8.248	VV	124	2119	0.42%	0.168%
76	8.253	8.248	8.260	VV	104	704	0.14%	0.056%
77	8.273	8.260	8.293	VV	110	2010	0.39%	0.159%
78	8.302	8.293	8.341	VV	97	2541	0.50%	0.201%
79	8.380	8.341	8.395	VV	99	3064	0.60%	0.243%
80	8.418	8.395	8.445	VV	118	3172	0.62%	0.251%
81	8.455	8.445	8.476	VV	106	1826	0.36%	0.145%
82	8.491	8.476	8.500	VV	102	1401	0.27%	0.111%
83	8.560	8.500	8.581	VV	122	5284	1.03%	0.419%
84	8.597	8.581	8.654	VV	128	4989	0.98%	0.395%
85	8.798	8.654	9.071	VV	8066	510590	100.00%	40.442%
86	9.084	9.071	9.097	VV	224	3379	0.66%	0.268%
87	9.104	9.097	9.227	VV	216	14386	2.82%	1.139%
88	9.235	9.227	9.284	VV	162	5310	1.04%	0.421%
89	9.294	9.284	9.304	VV	154	1787	0.35%	0.142%

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90	9.322	9.304	9.338	VV	167	3304	0.65%	0.262%
91	9.376	9.338	9.389	VV	167	4922	0.96%	0.390%
92	9.400	9.389	9.435	VV	174	4449	0.87%	0.352%
93	9.444	9.435	9.453	VV	166	1710	0.33%	0.135%
94	9.488	9.453	9.511	VV	172	5678	1.11%	0.450%
95	9.528	9.511	9.548	VV	158	3438	0.67%	0.272%
96	9.558	9.548	9.567	VV	161	1790	0.35%	0.142%
97	9.577	9.567	9.589	VV	161	2070	0.41%	0.164%
98	9.604	9.589	9.643	VV	169	5312	1.04%	0.421%
99	9.667	9.643	9.698	VV	184	5581	1.09%	0.442%
100	9.720	9.698	9.734	VV	174	3635	0.71%	0.288%
101	9.764	9.734	9.825	VV	189	9180	1.80%	0.727%
102	9.835	9.825	9.879	VV	166	5223	1.02%	0.414%
103	9.910	9.879	9.921	VV	171	4123	0.81%	0.327%
104	9.939	9.921	10.010	VB	168	8896	1.74%	0.705%
105	10.027	10.009	10.044	BV	17	173	0.03%	0.014%
106	10.051	10.044	10.074	VV	17	204	0.04%	0.016%
107	10.138	10.074	10.145	VV	42	1080	0.21%	0.086%
108	10.214	10.145	10.223	VV	70	2704	0.53%	0.214%
109	10.231	10.223	10.247	VV	76	901	0.18%	0.071%
110	10.316	10.247	10.325	VV	92	3434	0.67%	0.272%
111	10.380	10.325	10.388	VV	133	4312	0.84%	0.342%
112	10.407	10.388	10.488	VV	140	7432	1.46%	0.589%
113	10.507	10.488	10.523	VV	118	2306	0.45%	0.183%
114	10.537	10.523	10.552	VV	108	1834	0.36%	0.145%
115	10.630	10.552	10.645	VV	167	7410	1.45%	0.587%
116	10.652	10.645	10.694	VV	153	3918	0.77%	0.310%
117	10.703	10.694	10.711	VV	111	1127	0.22%	0.089%
118	10.726	10.711	10.758	VV	129	3374	0.66%	0.267%
119	10.795	10.758	10.835	VV	139	5991	1.17%	0.475%
120	10.846	10.835	10.855	VV	141	1595	0.31%	0.126%
121	10.862	10.855	10.898	VV	145	3373	0.66%	0.267%
122	10.909	10.898	10.917	VV	141	1460	0.29%	0.116%
123	10.925	10.917	10.939	VV	141	1798	0.35%	0.142%
124	10.970	10.939	10.978	VV	153	3360	0.66%	0.266%
125	11.028	10.978	11.051	VV	169	6585	1.29%	0.522%
126	11.058	11.051	11.067	VV	157	1428	0.28%	0.113%
127	11.098	11.067	11.125	VV	155	5127	1.00%	0.406%
128	11.134	11.125	11.141	VV	148	1366	0.27%	0.108%
129	11.151	11.141	11.187	VV	167	3926	0.77%	0.311%
130	11.198	11.187	11.248	VV	146	4840	0.95%	0.383%
131	11.263	11.248	11.274	VV	135	1897	0.37%	0.150%
132	11.297	11.274	11.307	VV	128	2419	0.47%	0.192%
133	11.317	11.307	11.395	VV	131	5948	1.16%	0.471%
134	11.404	11.395	11.454	VV	108	3387	0.66%	0.268%
135	11.468	11.454	11.494	VV	94	2018	0.40%	0.160%
136	11.504	11.494	11.532	VV	87	1781	0.35%	0.141%
137	11.546	11.532	11.565	VV	73	1361	0.27%	0.108%
138	11.599	11.565	11.623	VV	87	2464	0.48%	0.195%
139	11.646	11.623	11.657	VV	91	1650	0.32%	0.131%
140	11.724	11.657	11.753	VV	129	6141	1.20%	0.486%
141	11.763	11.753	11.793	VV	140	3130	0.61%	0.248%

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142	11.804	11.793	11.816	VV	125	1633	0.32%	0.129%
143	11.866	11.816	11.910	VV	139	7189	1.41%	0.569%
144	11.918	11.910	11.960	VV	153	3807	0.75%	0.302%
145	11.972	11.960	12.003	VV	126	3032	0.59%	0.240%
146	12.029	12.003	12.073	VV	133	5209	1.02%	0.413%
147	12.094	12.073	12.115	VV	125	2943	0.58%	0.233%
148	12.126	12.115	12.177	VV	113	3567	0.70%	0.283%
149	12.199	12.177	12.222	VV	81	1997	0.39%	0.158%
150	12.229	12.222	12.253	VV	86	1344	0.26%	0.106%
151	12.261	12.253	12.275	VV	82	951	0.19%	0.075%
152	12.302	12.275	12.325	VV	75	1978	0.39%	0.157%
153	12.332	12.325	12.338	VV	69	506	0.10%	0.040%
154	12.379	12.338	12.392	VV	81	2308	0.45%	0.183%
155	12.432	12.392	12.441	VV	86	2209	0.43%	0.175%
156	12.499	12.441	12.517	VV	102	4049	0.79%	0.321%
157	12.580	12.517	12.611	VV	116	5665	1.11%	0.449%
158	12.644	12.611	12.653	VV	127	2909	0.57%	0.230%
159	12.661	12.653	12.670	VV	126	1184	0.23%	0.094%
160	12.677	12.670	12.687	VV	129	1228	0.24%	0.097%
161	12.724	12.687	12.732	VV	147	3557	0.70%	0.282%
162	12.765	12.732	12.775	VV	163	3814	0.75%	0.302%
163	12.784	12.775	12.818	VV	146	3275	0.64%	0.259%
164	12.826	12.818	12.876	VV	126	3873	0.76%	0.307%
165	12.887	12.876	12.919	VV	120	2799	0.55%	0.222%
166	12.926	12.919	12.935	VV	112	966	0.19%	0.077%
167	12.970	12.935	12.982	VV	127	3141	0.62%	0.249%
168	12.990	12.982	13.001	VV	116	1243	0.24%	0.098%
169	13.036	13.001	13.120	VV	135	7492	1.47%	0.593%
170	13.130	13.120	13.140	VV	83	899	0.18%	0.071%
171	13.189	13.140	13.196	VV	122	3291	0.64%	0.261%
172	13.203	13.196	13.215	VV	124	1354	0.27%	0.107%
173	13.223	13.215	13.260	VV	123	2372	0.46%	0.188%
174	13.277	13.260	13.285	VV	73	993	0.19%	0.079%
175	13.291	13.285	13.299	VV	72	564	0.11%	0.045%
176	13.325	13.299	13.375	VV	79	2683	0.53%	0.212%
177	13.388	13.375	13.403	VV	53	801	0.16%	0.063%
178	13.438	13.403	13.446	VV	71	1421	0.28%	0.113%
179	13.465	13.446	13.475	VV	89	1292	0.25%	0.102%
180	13.739	13.475	13.995	VV	672	118169	23.14%	9.360%
181	14.116	13.995	14.351	VV	368	43818	8.58%	3.471%
182	14.368	14.351	14.393	VV	79	1853	0.36%	0.147%
183	14.402	14.393	14.418	VV	81	1028	0.20%	0.081%
184	14.426	14.418	14.458	VV	73	1342	0.26%	0.106%
185	14.471	14.458	14.497	VV	62	1198	0.23%	0.095%
186	14.522	14.497	14.540	VV	66	1401	0.27%	0.111%
187	14.564	14.540	14.579	VV	60	1205	0.24%	0.095%
188	14.596	14.579	14.610	VV	74	1103	0.22%	0.087%
189	14.618	14.610	14.632	VV	66	838	0.16%	0.066%
190	14.678	14.632	14.691	VV	78	2330	0.46%	0.185%
191	14.701	14.691	14.743	VV	78	2091	0.41%	0.166%
192	14.757	14.743	14.766	VV	67	891	0.17%	0.071%
193	14.810	14.766	14.838	VV	106	3286	0.64%	0.260%
194	14.847	14.838	14.914	VV	68	2521	0.49%	0.200%

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195	14.921	14.914	14.936	VV	55	637	0.12%	0.050%
196	14.948	14.936	14.956	VV	64	605	0.12%	0.048%
197	14.963	14.956	14.980	VV	50	688	0.13%	0.054%
198	15.007	14.980	15.027	VV	77	1734	0.34%	0.137%
199	15.056	15.027	15.068	VV	115	2343	0.46%	0.186%
200	15.079	15.068	15.133	VV	111	4071	0.80%	0.322%
201	15.143	15.133	15.153	VV	103	1133	0.22%	0.090%
202	15.166	15.153	15.177	VV	106	1442	0.28%	0.114%
203	15.187	15.177	15.195	VV	108	1133	0.22%	0.090%
204	15.213	15.195	15.222	VV	109	1711	0.34%	0.135%
205	15.230	15.222	15.240	VV	113	1111	0.22%	0.088%
206	15.247	15.240	15.351	VV	104	5464	1.07%	0.433%
207	15.387	15.351	15.395	VV	102	2070	0.41%	0.164%
208	15.445	15.395	15.457	VV	149	4753	0.93%	0.376%
209	15.507	15.457	15.620	VV	171	11499	2.25%	0.911%
210	15.634	15.620	15.646	VV	69	836	0.16%	0.066%
211	15.683	15.646	15.712	VV	66	2106	0.41%	0.167%
212	15.730	15.712	15.746	VV	73	1176	0.23%	0.093%
213	15.781	15.746	15.789	VV	101	2151	0.42%	0.170%
214	15.799	15.789	15.806	VV	98	887	0.17%	0.070%
215	15.815	15.806	15.833	VV	107	1574	0.31%	0.125%
216	15.846	15.833	15.858	VV	104	1499	0.29%	0.119%
217	15.866	15.858	15.896	VV	102	2178	0.43%	0.172%
218	15.945	15.896	15.959	VV	135	4485	0.88%	0.355%
219	15.992	15.959	16.001	VV	142	3317	0.65%	0.263%
220	16.018	16.001	16.107	VV	145	8047	1.58%	0.637%
221	16.115	16.107	16.134	VV	116	1583	0.31%	0.125%
222	16.204	16.134	16.318	VV	164	11532	2.26%	0.913%
223	16.390	16.318	16.398	VV	158	5459	1.07%	0.432%
224	16.405	16.398	16.464	VV	150	3938	0.77%	0.312%
225	16.475	16.464	16.482	VV	65	656	0.13%	0.052%
226	16.532	16.482	16.578	VV	106	4080	0.80%	0.323%
227	16.602	16.578	16.626	VV	67	1236	0.24%	0.098%
228	16.644	16.626	16.659	VV	36	558	0.11%	0.044%
229	16.664	16.659	16.675	VV	39	245	0.05%	0.019%
230	16.685	16.675	16.711	VV	31	349	0.07%	0.028%
231	16.720	16.711	16.745	VV	34	276	0.05%	0.022%
232	16.766	16.745	16.778	PV	26	325	0.06%	0.026%
233	16.790	16.778	16.809	VV	28	430	0.08%	0.034%
234	16.836	16.809	16.854	VV	39	706	0.14%	0.056%
235	16.873	16.854	16.915	VV	31	621	0.12%	0.049%
236	16.929	16.915	16.938	VV	25	153	0.03%	0.012%
237	16.943	16.938	16.951	PV	5	17	0.00%	0.001%
238	16.959	16.951	16.975	PV	8	57	0.01%	0.005%
239	16.992	16.975	17.028	PV	20	222	0.04%	0.018%
240	17.049	17.028	17.057	PV	16	144	0.03%	0.011%

Sum of corrected areas: 1262509

FB042325.M Sat May 17 00:23:09 2025

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/13/25
Project:	South River WM Replacement	Date Received:	05/13/25
Client Sample ID:	TP-24	SDG No.:	Q2032
Lab Sample ID:	Q2032-04	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	74.2 Decanted:
Sample Wt/Vol:	6.46 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
FB031752.D	1	05/15/25 13:26	FB051525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	11.0	J	9.00	47.0	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\FB051525\
Data File : FB031752.D
Signal(s) : FID2B.CH
Acq On : 15 May 2025 13:26
Operator : YP/AJ
Sample : Q2032-04
Misc : 6.46G/5.00 ML DI WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-24

Integration File: Calibration.e
Quant Time: May 16 02:33:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 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	456275	19.896 ng/ml
Target Compounds				

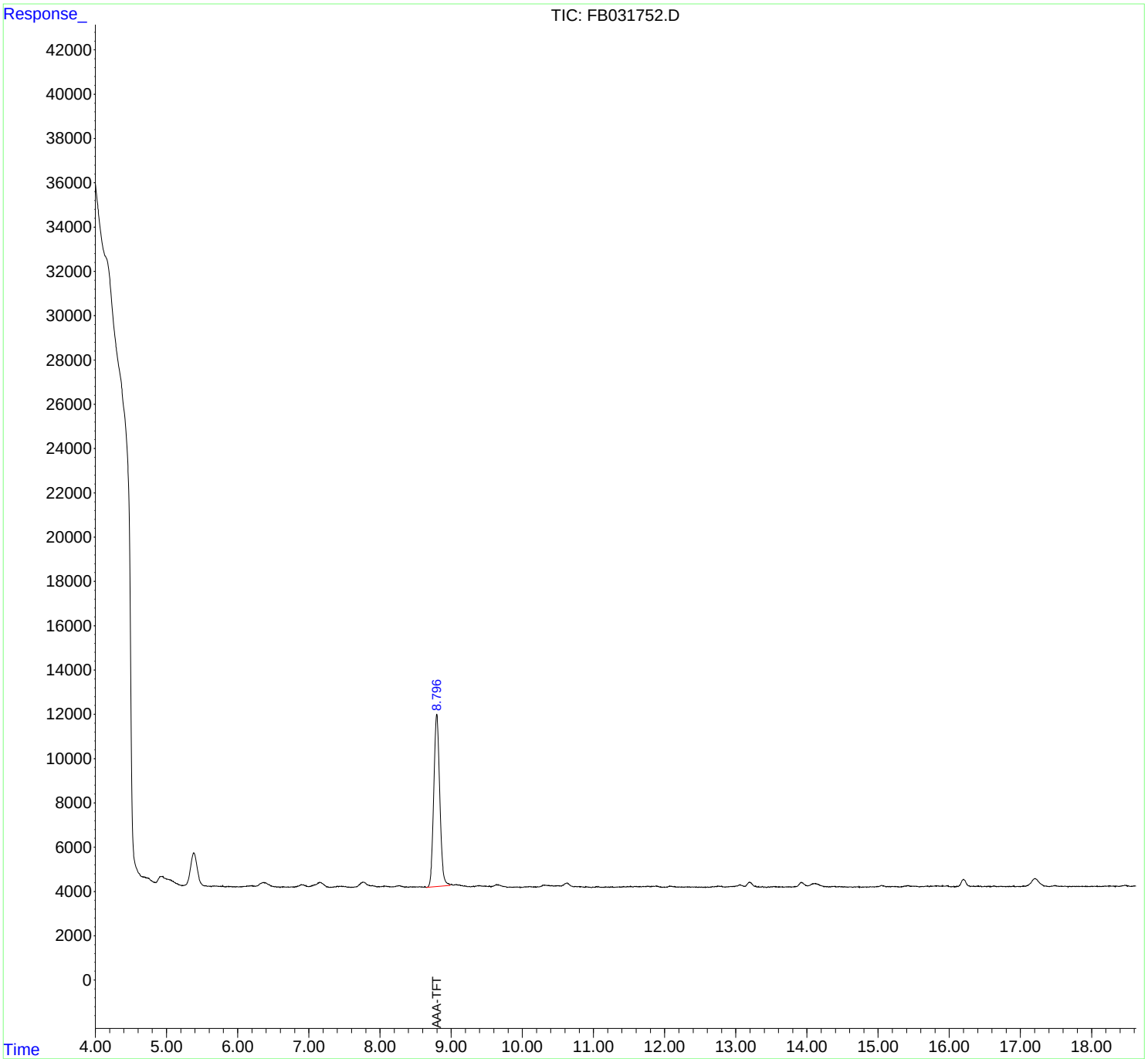
(f)=RT Delta > 1/2 Window (m)=manual int.

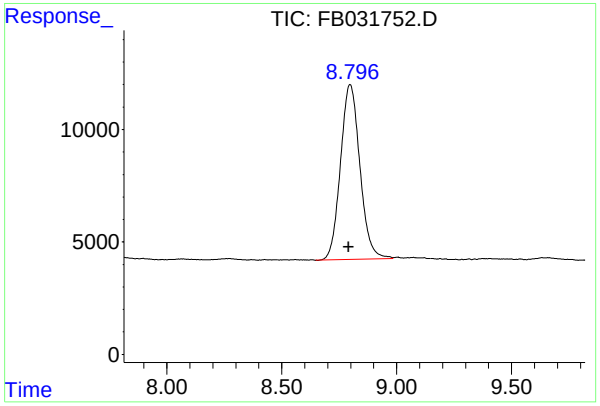
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051525\
Data File : FB031752.D
Signal(s) : FID2B.CH
Acq On : 15 May 2025 13:26
Operator : YP/AJ
Sample : Q2032-04
Misc : 6.46G/5.00 ML DI WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-24

Integration File: Calibration.e
Quant Time: May 16 02:33:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#5 AAA-TFT

R.T.: 8.798 min
Delta R.T.: 0.006 mi
Response: 456275
Conc: 19.90 ng/m

Instrument :
FID_B
ClientSampleId :
TP-24

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051525\
Data File : FB031752.D
Signal(s) : FID2B.CH
Acq On : 15 May 2025 13:26
Sample : Q2032-04
Misc : 6.46G/5.00 ML DI WATER
ALS Vial : 5 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.691	4.654	4.852	BV	35	1736	0.37%	0.213%
2	5.060	5.052	5.228	VV	200	7688	1.65%	0.945%
3	5.561	5.551	5.574	VV	30	248	0.05%	0.030%
4	5.586	5.574	5.603	PV	15	170	0.04%	0.021%
5	5.611	5.603	5.631	VV	14	154	0.03%	0.019%
6	5.650	5.631	5.659	PV	26	297	0.06%	0.037%
7	5.675	5.659	5.685	VV	30	397	0.09%	0.049%
8	5.700	5.685	5.749	VV	34	814	0.17%	0.100%
9	5.795	5.749	5.837	VV	35	794	0.17%	0.098%
10	5.868	5.837	5.877	VV	30	337	0.07%	0.041%
11	5.885	5.877	5.902	VV	19	233	0.05%	0.029%
12	5.911	5.902	5.922	VV	22	163	0.04%	0.020%
13	5.949	5.922	5.972	VV	20	340	0.07%	0.042%
14	5.983	5.972	6.014	PV	23	355	0.08%	0.044%
15	6.026	6.014	6.034	VV	22	183	0.04%	0.023%
16	6.043	6.034	6.063	VV	18	288	0.06%	0.035%
17	6.071	6.063	6.077	VV	27	168	0.04%	0.021%
18	6.130	6.077	6.139	VV	54	1387	0.30%	0.171%
19	6.167	6.139	6.176	VV	63	1219	0.26%	0.150%
20	6.205	6.176	6.233	VV	76	2141	0.46%	0.263%
21	6.238	6.233	6.250	VV	58	512	0.11%	0.063%
22	6.357	6.250	6.519	VV	221	20147	4.32%	2.477%
23	6.527	6.519	6.553	VV	41	575	0.12%	0.071%
24	6.560	6.553	6.569	VV	24	195	0.04%	0.024%
25	6.577	6.569	6.598	VV	22	296	0.06%	0.036%
26	6.612	6.598	6.629	PV	27	380	0.08%	0.047%
27	6.640	6.629	6.662	VV	38	521	0.11%	0.064%
28	6.668	6.662	6.691	VV	26	315	0.07%	0.039%
29	6.699	6.691	6.730	VV	25	415	0.09%	0.051%
30	6.761	6.730	6.783	VV	26	662	0.14%	0.081%
31	6.924	6.910	6.999	VV	122	4178	0.89%	0.514%
32	7.048	6.999	7.056	VV	96	2065	0.44%	0.254%
33	7.156	7.056	7.284	VV	236	17695	3.79%	2.175%
34	7.296	7.284	7.304	VV	19	110	0.02%	0.014%
35	7.330	7.304	7.339	VV	14	221	0.05%	0.027%
36	7.363	7.339	7.373	VV	36	487	0.10%	0.060%

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37	7.410	7.373	7.419	VV	51	1112	0.24%	0.137%
38	7.462	7.419	7.473	VV	65	1710	0.37%	0.210%
39	7.482	7.473	7.506	VV	54	862	0.18%	0.106%
40	7.515	7.506	7.538	VV	50	646	0.14%	0.079%
41	7.545	7.538	7.556	VV	20	166	0.04%	0.020%
42	7.566	7.556	7.577	VV	25	183	0.04%	0.023%
43	7.591	7.577	7.599	VV	9	110	0.02%	0.014%
44	7.619	7.599	7.636	VV	19	288	0.06%	0.035%
45	7.649	7.636	7.661	VV	30	373	0.08%	0.046%
46	7.764	7.661	7.864	VV	240	17535	3.76%	2.156%
47	7.873	7.864	7.882	VV	82	861	0.18%	0.106%
48	7.898	7.882	7.965	VV	95	3075	0.66%	0.378%
49	7.980	7.965	7.989	VV	45	512	0.11%	0.063%
50	8.064	7.989	8.089	VV	76	2974	0.64%	0.366%
51	8.094	8.089	8.144	VV	57	1452	0.31%	0.179%
52	8.152	8.144	8.160	VV	37	288	0.06%	0.035%
53	8.180	8.160	8.192	VV	35	606	0.13%	0.074%
54	8.261	8.192	8.350	VV	82	5167	1.11%	0.635%
55	8.369	8.350	8.398	VV	39	679	0.15%	0.083%
56	8.426	8.398	8.442	VV	38	666	0.14%	0.082%
57	8.450	8.442	8.459	VV	26	247	0.05%	0.030%
58	8.480	8.459	8.490	VV	35	458	0.10%	0.056%
59	8.560	8.490	8.620	VV	42	2034	0.44%	0.250%
60	8.627	8.620	8.634	VV	35	229	0.05%	0.028%
61	8.637	8.634	8.657	VV	32	219	0.05%	0.027%
62	8.798	8.657	8.988	VV	7825	466885	100.00%	57.393%
63	9.005	8.988	9.033	VV	148	3490	0.75%	0.429%
64	9.049	9.033	9.057	VV	125	1694	0.36%	0.208%
65	9.074	9.057	9.149	VV	139	6227	1.33%	0.765%
66	9.157	9.149	9.174	VV	92	1241	0.27%	0.153%
67	9.191	9.174	9.202	VV	87	1182	0.25%	0.145%
68	9.212	9.202	9.240	VV	65	1203	0.26%	0.148%
69	9.259	9.240	9.270	VV	53	764	0.16%	0.094%
70	9.286	9.270	9.301	VV	52	751	0.16%	0.092%
71	9.315	9.301	9.328	VV	75	866	0.19%	0.107%
72	9.341	9.328	9.350	VV	75	739	0.16%	0.091%
73	9.376	9.350	9.452	VV	91	4622	0.99%	0.568%
74	9.465	9.452	9.525	VV	71	2661	0.57%	0.327%
75	9.535	9.525	9.567	VV	66	1325	0.28%	0.163%
76	9.633	9.567	9.649	VV	137	4364	0.93%	0.536%
77	9.659	9.649	9.735	VV	123	4626	0.99%	0.569%
78	9.745	9.735	9.814	VV	56	1489	0.32%	0.183%
79	9.827	9.814	9.854	VV	26	485	0.10%	0.060%
80	9.885	9.854	9.896	VV	23	468	0.10%	0.058%
81	9.914	9.896	9.949	VV	31	683	0.15%	0.084%
82	9.964	9.949	9.984	VV	28	336	0.07%	0.041%
83	9.992	9.984	10.000	VV	15	108	0.02%	0.013%
84	10.038	10.000	10.049	VV	39	730	0.16%	0.090%
85	10.068	10.049	10.076	VV	39	520	0.11%	0.064%
86	10.111	10.076	10.154	VV	53	1695	0.36%	0.208%
87	10.162	10.154	10.182	VV	35	506	0.11%	0.062%
88	10.185	10.182	10.193	VV	40	186	0.04%	0.023%
89	10.214	10.193	10.239	VV	43	819	0.18%	0.101%

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90	10.288	10.239	10.301	VV	117	2607	0.56%	0.321%
91	10.311	10.301	10.333	VV	122	2048	0.44%	0.252%
92	10.350	10.333	10.362	VV	102	1694	0.36%	0.208%
93	10.372	10.362	10.387	VV	108	1363	0.29%	0.167%
94	10.398	10.387	10.408	VV	92	1012	0.22%	0.124%
95	10.419	10.408	10.435	VV	93	1322	0.28%	0.163%
96	10.479	10.435	10.499	VV	88	3028	0.65%	0.372%
97	10.507	10.499	10.518	VV	88	951	0.20%	0.117%
98	10.527	10.518	10.551	VV	89	1528	0.33%	0.188%
99	10.633	10.551	10.725	VV	210	12925	2.77%	1.589%
100	10.753	10.725	10.782	VV	57	1496	0.32%	0.184%
101	10.797	10.782	10.818	VV	48	928	0.20%	0.114%
102	10.827	10.818	10.838	VV	39	426	0.09%	0.052%
103	10.847	10.838	10.874	VV	34	555	0.12%	0.068%
104	10.904	10.874	10.972	VV	40	1284	0.27%	0.158%
105	10.993	10.972	11.017	PV	29	417	0.09%	0.051%
106	11.048	11.017	11.064	VV	52	902	0.19%	0.111%
107	11.073	11.064	11.102	VV	50	604	0.13%	0.074%
108	11.111	11.102	11.118	VV	23	164	0.04%	0.020%
109	11.122	11.118	11.131	VV	18	109	0.02%	0.013%
110	11.182	11.131	11.193	VV	36	813	0.17%	0.100%
111	11.207	11.193	11.219	VV	30	338	0.07%	0.042%
112	11.241	11.219	11.251	VV	39	418	0.09%	0.051%
113	11.263	11.251	11.292	VV	43	585	0.13%	0.072%
114	11.314	11.292	11.324	VV	23	357	0.08%	0.044%
115	11.335	11.324	11.345	VV	35	324	0.07%	0.040%
116	11.354	11.345	11.382	VV	34	615	0.13%	0.076%
117	11.429	11.382	11.457	VV	48	1408	0.30%	0.173%
118	11.475	11.457	11.487	VV	53	740	0.16%	0.091%
119	11.520	11.487	11.556	VV	58	1713	0.37%	0.211%
120	11.587	11.556	11.621	VV	55	1728	0.37%	0.212%
121	11.643	11.621	11.654	VV	52	791	0.17%	0.097%
122	11.662	11.654	11.671	VV	48	374	0.08%	0.046%
123	11.694	11.671	11.717	VV	52	1173	0.25%	0.144%
124	11.729	11.717	11.741	VV	56	684	0.15%	0.084%
125	11.755	11.741	11.771	VV	61	986	0.21%	0.121%
126	11.782	11.771	11.795	VV	67	717	0.15%	0.088%
127	11.816	11.795	11.827	VV	59	922	0.20%	0.113%
128	11.843	11.827	11.854	VV	63	864	0.19%	0.106%
129	11.882	11.854	11.933	VV	73	2579	0.55%	0.317%
130	11.941	11.933	11.969	VV	37	491	0.11%	0.060%
131	11.993	11.969	12.008	VV	27	444	0.10%	0.055%
132	12.069	12.008	12.078	VV	72	1468	0.31%	0.181%
133	12.089	12.078	12.123	VV	60	1409	0.30%	0.173%
134	12.134	12.123	12.172	VV	45	976	0.21%	0.120%
135	12.180	12.172	12.202	VV	31	446	0.10%	0.055%
136	12.213	12.202	12.224	VV	29	314	0.07%	0.039%
137	12.242	12.224	12.250	VV	33	385	0.08%	0.047%
138	12.260	12.250	12.275	VV	25	311	0.07%	0.038%
139	12.289	12.275	12.339	VV	30	941	0.20%	0.116%
140	12.348	12.339	12.372	VV	39	512	0.11%	0.063%
141	12.386	12.372	12.400	VV	29	396	0.08%	0.049%

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142	12.421	12.400	12.433	VV	31	449	0.10%	0.055%
143	12.443	12.433	12.472	VV	25	417	0.09%	0.051%
144	12.489	12.472	12.505	VV	23	371	0.08%	0.046%
145	12.514	12.505	12.534	VV	31	310	0.07%	0.038%
146	12.545	12.534	12.551	VV	17	145	0.03%	0.018%
147	12.574	12.551	12.594	VV	23	434	0.09%	0.053%
148	12.605	12.594	12.628	VV	25	370	0.08%	0.046%
149	12.637	12.628	12.644	VV	21	184	0.04%	0.023%
150	12.679	12.644	12.691	VV	48	877	0.19%	0.108%
151	12.753	12.691	12.771	VV	69	2424	0.52%	0.298%
152	12.801	12.771	12.854	VV	69	2028	0.43%	0.249%
153	12.936	12.854	12.955	VV	56	2235	0.48%	0.275%
154	12.967	12.955	12.978	VV	61	663	0.14%	0.082%
155	13.007	12.978	13.021	VV	73	1591	0.34%	0.196%
156	13.062	13.021	13.134	VV	131	5980	1.28%	0.735%
157	13.199	13.134	13.307	VV	239	13304	2.85%	1.635%
158	13.320	13.307	13.336	VV	46	505	0.11%	0.062%
159	13.348	13.336	13.357	VV	29	255	0.05%	0.031%
160	13.373	13.357	13.394	VV	45	634	0.14%	0.078%
161	13.409	13.394	13.430	VV	30	404	0.09%	0.050%
162	13.461	13.430	13.472	PV	35	534	0.11%	0.066%
163	13.490	13.472	13.503	VV	40	518	0.11%	0.064%
164	13.534	13.503	13.569	VV	49	1417	0.30%	0.174%
165	13.579	13.569	13.593	VV	41	409	0.09%	0.050%
166	13.618	13.593	13.631	VV	32	586	0.13%	0.072%
167	13.643	13.631	13.678	VV	31	620	0.13%	0.076%
168	13.713	13.678	13.723	VV	33	637	0.14%	0.078%
169	13.735	13.723	13.745	VV	37	371	0.08%	0.046%
170	13.766	13.745	13.785	VV	35	626	0.13%	0.077%
171	13.817	13.785	13.825	VV	37	660	0.14%	0.081%
172	13.922	13.825	14.018	VV	235	13861	2.97%	1.704%
173	14.087	14.018	14.095	VV	179	5811	1.24%	0.714%
174	14.112	14.095	14.256	VV	176	10627	2.28%	1.306%
175	14.264	14.256	14.281	VV	41	491	0.11%	0.060%
176	14.290	14.281	14.308	VV	45	488	0.10%	0.060%
177	14.316	14.308	14.333	VV	36	408	0.09%	0.050%
178	14.349	14.333	14.359	VV	43	540	0.12%	0.066%
179	14.377	14.359	14.385	VV	49	640	0.14%	0.079%
180	14.391	14.385	14.424	VV	48	788	0.17%	0.097%
181	14.459	14.424	14.474	VV	42	907	0.19%	0.111%
182	14.482	14.474	14.516	VV	36	613	0.13%	0.075%
183	14.525	14.516	14.581	VV	30	723	0.15%	0.089%
184	14.595	14.581	14.605	VV	24	259	0.06%	0.032%
185	14.612	14.605	14.648	VV	23	348	0.07%	0.043%
186	14.673	14.648	14.685	VV	28	395	0.08%	0.049%
187	14.709	14.685	14.722	VV	32	428	0.09%	0.053%
188	14.731	14.722	14.744	VV	31	179	0.04%	0.022%
189	14.753	14.744	14.769	VV	17	155	0.03%	0.019%
190	14.824	14.769	14.850	PV	20	612	0.13%	0.075%
191	14.858	14.850	14.873	VV	20	184	0.04%	0.023%
192	14.886	14.873	14.922	VV	30	594	0.13%	0.073%
193	14.930	14.922	14.948	VV	26	299	0.06%	0.037%
194	15.052	14.948	15.119	VV	82	4657	1.00%	0.572%

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195	15.130	15.119	15.146	VV	34	447	0.10%	0.055%
196	15.161	15.146	15.171	VV	31	357	0.08%	0.044%
197	15.207	15.171	15.218	VV	39	791	0.17%	0.097%
198	15.236	15.218	15.297	VV	35	1211	0.26%	0.149%
199	15.332	15.297	15.342	VV	30	507	0.11%	0.062%
200	15.417	15.342	15.459	VV	68	3429	0.73%	0.422%
201	15.467	15.459	15.475	VV	44	380	0.08%	0.047%
202	15.484	15.475	15.496	VV	47	551	0.12%	0.068%
203	15.504	15.496	15.514	VV	43	443	0.09%	0.054%
204	15.524	15.514	15.579	VV	52	1332	0.29%	0.164%
205	15.623	15.579	15.639	VV	38	884	0.19%	0.109%
206	15.674	15.639	15.686	VV	48	987	0.21%	0.121%
207	15.697	15.686	15.718	VV	51	761	0.16%	0.093%
208	15.743	15.718	15.753	VV	56	843	0.18%	0.104%
209	15.766	15.753	15.773	VV	46	500	0.11%	0.061%
210	15.813	15.773	15.824	VV	61	1524	0.33%	0.187%
211	15.830	15.824	15.868	VV	58	1335	0.29%	0.164%
212	15.890	15.868	15.900	VV	50	818	0.18%	0.101%
213	15.910	15.900	15.948	VV	57	1262	0.27%	0.155%
214	15.984	15.948	16.024	VV	59	1644	0.35%	0.202%
215	16.039	16.024	16.057	VV	25	343	0.07%	0.042%
216	16.065	16.057	16.085	VV	32	267	0.06%	0.033%
217	16.114	16.085	16.124	VV	40	639	0.14%	0.079%
218	16.201	16.124	16.297	VV	347	17015	3.64%	2.092%
219	16.313	16.297	16.324	VV	36	505	0.11%	0.062%
220	16.333	16.324	16.363	VV	42	759	0.16%	0.093%
221	16.388	16.363	16.403	VV	37	706	0.15%	0.087%
222	16.409	16.403	16.426	VV	43	488	0.10%	0.060%
223	16.442	16.426	16.464	VV	49	648	0.14%	0.080%
224	16.499	16.464	16.528	VV	30	777	0.17%	0.096%
225	16.537	16.528	16.542	VV	33	190	0.04%	0.023%
226	16.557	16.542	16.569	VV	39	398	0.09%	0.049%
227	16.629	16.569	16.660	PV	51	1318	0.28%	0.162%
228	16.670	16.660	16.688	VV	23	283	0.06%	0.035%
229	16.698	16.688	16.705	VV	21	158	0.03%	0.019%
230	16.717	16.705	16.730	VV	30	333	0.07%	0.041%
231	16.739	16.730	16.758	VV	29	307	0.07%	0.038%
232	16.774	16.758	16.797	VV	25	383	0.08%	0.047%
233	16.807	16.797	16.828	VV	21	247	0.05%	0.030%
234	16.847	16.828	16.865	VV	23	339	0.07%	0.042%
235	16.895	16.865	16.929	VV	37	607	0.13%	0.075%
236	16.957	16.929	16.977	PV	17	222	0.05%	0.027%

Sum of corrected areas: 813491

FB042325.M Fri May 16 03:07:15 2025

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/13/25
Project:	South River WM Replacement	Date Received:	05/13/25
Client Sample ID:	TP-37	SDG No.:	Q2032
Lab Sample ID:	Q2032-07	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	82.5 Decanted:
Sample Wt/Vol:	5.91 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
FB031764.D	1	05/16/25 10:40	FB051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	8.00	U	8.00	46.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	21.3		50 - 150	106%	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\FB051625\
Data File : FB031764.D
Signal(s) : FID2B.CH
Acq On : 16 May 2025 10:40
Operator : YP/AJ
Sample : Q2032-07
Misc : 5.91G/5.00 ML DI WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-37

Integration File: Calibration.e
Quant Time: May 16 23:12:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 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	487745	21.268 ng/ml
	Target Compounds			

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

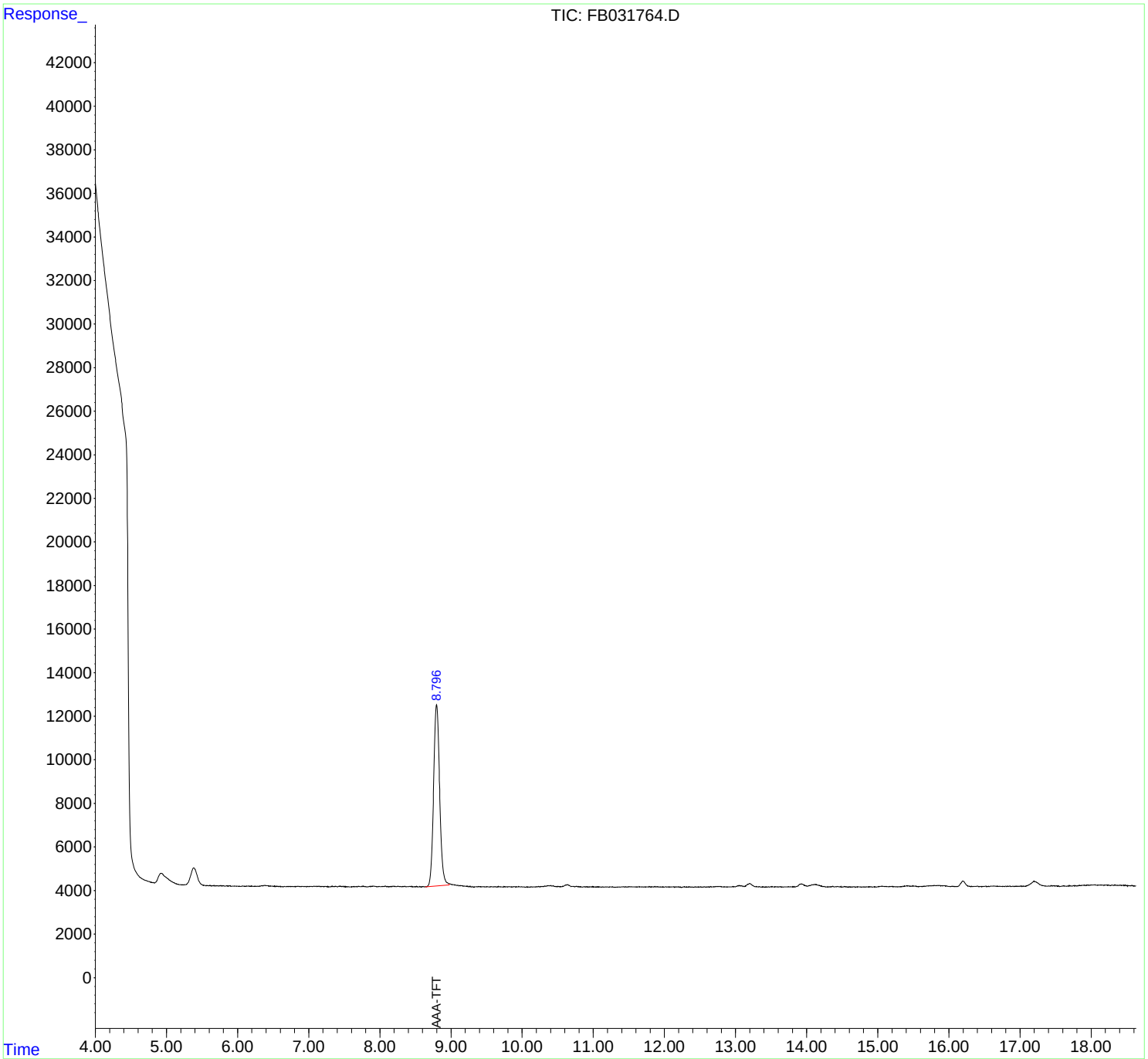
Quantitation Report (QT Reviewed)

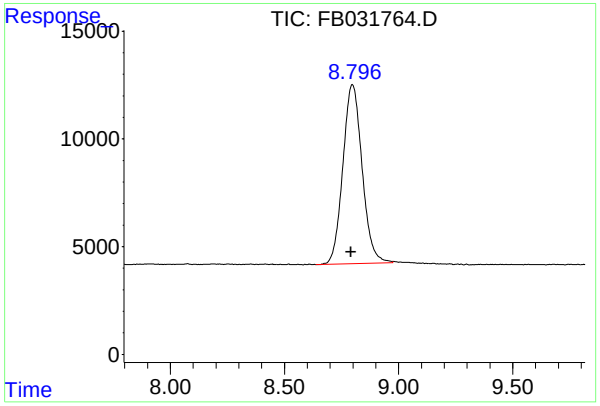
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051625\
Data File : FB031764.D
Signal(s) : FID2B.CH
Acq On : 16 May 2025 10:40
Operator : YP/AJ
Sample : Q2032-07
Misc : 5.91G/5.00 ML DI WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-37

Integration File: Calibration.e
Quant Time: May 16 23:12:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#5 AAA-TFT

R.T.: 8.798 min
Delta R.T.: 0.006 mi
Response: 487745
Conc: 21.27 ng/m

Instrument :
FID_B
ClientSampleId :
TP-37

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051625\
Data File : FB031764.D
Signal(s) : FID2B.CH
Acq On : 16 May 2025 10:40
Sample : Q2032-07
Misc : 5.91G/5.00 ML DI WATER
ALS Vial : 5 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.795	4.754	4.832	BV	6	78	0.02%	0.011%
2	5.194	5.186	5.233	PV	5	62	0.01%	0.009%
3	5.259	5.233	5.269	PV	17	189	0.04%	0.027%
4	5.619	5.609	5.644	VV	24	175	0.03%	0.025%
5	5.669	5.644	5.680	VV	27	262	0.05%	0.037%
6	5.690	5.680	5.700	PV	16	113	0.02%	0.016%
7	5.720	5.700	5.738	VV	18	266	0.05%	0.038%
8	5.764	5.738	5.778	VV	33	386	0.08%	0.055%
9	5.799	5.778	5.820	VV	20	359	0.07%	0.051%
10	5.847	5.820	5.856	PV	24	279	0.05%	0.040%
11	5.888	5.856	5.909	VV	26	497	0.10%	0.071%
12	5.932	5.909	5.954	PV	17	279	0.05%	0.040%
13	5.960	5.954	5.971	VV	20	149	0.03%	0.021%
14	5.979	5.971	5.986	VV	10	93	0.02%	0.013%
15	5.997	5.986	6.010	VV	16	160	0.03%	0.023%
16	6.015	6.010	6.022	VV	8	49	0.01%	0.007%
17	6.029	6.022	6.054	VV	10	144	0.03%	0.021%
18	6.071	6.054	6.102	VV	23	423	0.08%	0.060%
19	6.109	6.102	6.118	VV	12	86	0.02%	0.012%
20	6.130	6.118	6.137	VV	26	179	0.04%	0.026%
21	6.156	6.137	6.172	VV	27	387	0.08%	0.055%
22	6.195	6.172	6.229	VV	27	543	0.11%	0.077%
23	6.244	6.229	6.253	VV	18	186	0.04%	0.027%
24	6.261	6.253	6.269	VV	22	135	0.03%	0.019%
25	6.283	6.269	6.296	VV	22	252	0.05%	0.036%
26	6.346	6.296	6.355	VV	48	1115	0.22%	0.159%
27	6.377	6.355	6.499	VV	63	3569	0.70%	0.509%
28	6.526	6.499	6.538	VV	33	504	0.10%	0.072%
29	6.555	6.538	6.575	VV	42	432	0.08%	0.061%
30	6.585	6.575	6.622	VV	35	410	0.08%	0.058%
31	6.636	6.622	6.646	VV	15	129	0.03%	0.018%
32	6.660	6.646	6.683	PV	25	291	0.06%	0.041%
33	6.703	6.683	6.710	VV	19	215	0.04%	0.031%
34	6.752	6.710	6.761	VV	24	522	0.10%	0.074%
35	6.774	6.761	6.786	VV	22	219	0.04%	0.031%
36	6.850	6.786	6.888	VV	39	1108	0.22%	0.158%

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37	6.916	6.888	6.932	VV	29	503	0.10%	0.072%
38	6.948	6.932	7.000	VV	27	668	0.13%	0.095%
39	7.029	7.000	7.055	VV	24	660	0.13%	0.094%
40	7.074	7.055	7.095	VV	37	609	0.12%	0.087%
41	7.106	7.095	7.120	VV	40	429	0.08%	0.061%
42	7.132	7.120	7.140	VV	35	327	0.06%	0.047%
43	7.148	7.140	7.177	VV	34	505	0.10%	0.072%
44	7.189	7.177	7.211	VV	28	387	0.08%	0.055%
45	7.237	7.211	7.251	VV	26	473	0.09%	0.067%
46	7.261	7.251	7.304	VV	20	351	0.07%	0.050%
47	7.329	7.304	7.340	VV	42	399	0.08%	0.057%
48	7.355	7.340	7.369	VV	23	321	0.06%	0.046%
49	7.379	7.369	7.406	VV	30	415	0.08%	0.059%
50	7.427	7.406	7.437	VV	44	505	0.10%	0.072%
51	7.445	7.437	7.476	VV	37	592	0.12%	0.084%
52	7.485	7.476	7.501	VV	40	361	0.07%	0.051%
53	7.509	7.501	7.549	VV	42	463	0.09%	0.066%
54	7.559	7.549	7.577	VV	21	170	0.03%	0.024%
55	7.669	7.577	7.682	PV	30	809	0.16%	0.115%
56	7.702	7.682	7.726	VV	29	586	0.11%	0.083%
57	7.756	7.726	7.835	VV	45	1454	0.28%	0.207%
58	7.916	7.835	7.972	VV	40	2241	0.44%	0.319%
59	7.990	7.972	8.021	VV	24	608	0.12%	0.087%
60	8.076	8.021	8.122	VV	50	1561	0.31%	0.222%
61	8.188	8.122	8.233	VV	41	1772	0.35%	0.253%
62	8.253	8.233	8.311	VV	43	1160	0.23%	0.165%
63	8.353	8.311	8.385	VV	39	996	0.19%	0.142%
64	8.418	8.385	8.476	VV	36	1258	0.25%	0.179%
65	8.519	8.476	8.548	VV	40	773	0.15%	0.110%
66	8.560	8.548	8.580	VV	29	307	0.06%	0.044%
67	8.609	8.580	8.657	VV	34	744	0.15%	0.106%
68	8.798	8.657	9.244	VV	8370	511732	100.00%	72.912%
69	9.258	9.244	9.333	VV	45	1044	0.20%	0.149%
70	9.359	9.333	9.372	VV	26	437	0.09%	0.062%
71	9.388	9.372	9.436	VV	29	824	0.16%	0.117%
72	9.450	9.436	9.486	VV	24	593	0.12%	0.085%
73	9.496	9.486	9.547	VV	25	680	0.13%	0.097%
74	9.569	9.547	9.589	VV	25	483	0.09%	0.069%
75	9.618	9.589	9.647	VV	22	620	0.12%	0.088%
76	9.662	9.647	9.730	VV	31	964	0.19%	0.137%
77	9.748	9.730	9.798	VV	29	850	0.17%	0.121%
78	9.819	9.798	9.864	VV	33	765	0.15%	0.109%
79	9.877	9.864	9.914	VV	29	642	0.13%	0.091%
80	9.955	9.914	9.975	VV	27	740	0.14%	0.105%
81	9.992	9.975	10.015	VV	32	465	0.09%	0.066%
82	10.028	10.015	10.044	VV	17	206	0.04%	0.029%
83	10.063	10.044	10.109	PV	15	467	0.09%	0.067%
84	10.130	10.109	10.148	VV	23	354	0.07%	0.050%
85	10.210	10.148	10.248	VV	31	1252	0.24%	0.178%
86	10.367	10.248	10.381	VV	73	3752	0.73%	0.535%
87	10.398	10.381	10.424	VV	74	1728	0.34%	0.246%
88	10.438	10.424	10.486	VV	67	1818	0.36%	0.259%
89	10.640	10.486	10.742	VV	121	8966	1.75%	1.278%

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90	10.766	10.742	10.846	VV	47	1840	0.36%	0.262%
91	10.870	10.846	10.892	VV	31	607	0.12%	0.086%
92	10.906	10.892	10.924	VV	30	461	0.09%	0.066%
93	10.998	10.924	11.113	VV	39	2345	0.46%	0.334%
94	11.126	11.113	11.152	VV	23	382	0.07%	0.054%
95	11.172	11.152	11.213	VV	26	663	0.13%	0.094%
96	11.272	11.213	11.310	VV	34	1000	0.20%	0.142%
97	11.362	11.310	11.378	VV	26	651	0.13%	0.093%
98	11.423	11.378	11.445	VV	32	924	0.18%	0.132%
99	11.460	11.445	11.473	VV	34	391	0.08%	0.056%
100	11.515	11.473	11.615	VV	36	2306	0.45%	0.329%
101	11.650	11.615	11.707	VV	33	1316	0.26%	0.188%
102	11.724	11.707	11.778	VV	28	1016	0.20%	0.145%
103	11.789	11.778	11.807	VV	40	467	0.09%	0.067%
104	11.866	11.807	12.000	VV	36	2983	0.58%	0.425%
105	12.020	12.000	12.036	VV	32	535	0.10%	0.076%
106	12.130	12.036	12.171	VV	36	2019	0.39%	0.288%
107	12.188	12.171	12.246	VV	29	889	0.17%	0.127%
108	12.279	12.246	12.326	PV	32	1112	0.22%	0.158%
109	12.352	12.326	12.409	VV	33	1064	0.21%	0.152%
110	12.562	12.409	12.581	VV	38	2228	0.44%	0.318%
111	12.652	12.581	12.668	VV	44	1267	0.25%	0.181%
112	12.728	12.668	12.881	VV	46	4284	0.84%	0.610%
113	12.898	12.881	12.947	VV	29	997	0.19%	0.142%
114	12.958	12.947	12.971	VV	37	429	0.08%	0.061%
115	13.054	12.971	13.071	VV	89	3393	0.66%	0.483%
116	13.080	13.071	13.131	VV	83	2157	0.42%	0.307%
117	13.198	13.131	13.316	VV	184	10314	2.02%	1.470%
118	13.340	13.316	13.360	VV	35	677	0.13%	0.096%
119	13.400	13.360	13.415	VV	31	584	0.11%	0.083%
120	13.432	13.415	13.446	VV	27	334	0.07%	0.048%
121	13.514	13.446	13.553	VV	39	1435	0.28%	0.204%
122	13.591	13.553	13.673	VV	33	1626	0.32%	0.232%
123	13.749	13.673	13.812	VV	34	1880	0.37%	0.268%
124	13.926	13.812	14.011	VV	152	9874	1.93%	1.407%
125	14.116	14.011	14.293	VV	137	12962	2.53%	1.847%
126	14.366	14.293	14.400	VV	47	1615	0.32%	0.230%
127	14.432	14.400	14.511	VV	36	1493	0.29%	0.213%
128	14.530	14.511	14.589	VV	36	950	0.19%	0.135%
129	14.605	14.589	14.621	VV	26	271	0.05%	0.039%
130	14.666	14.621	14.685	VV	28	607	0.12%	0.086%
131	14.724	14.685	14.771	PV	27	759	0.15%	0.108%
132	14.839	14.771	14.924	VV	23	1272	0.25%	0.181%
133	14.963	14.924	14.980	VV	24	467	0.09%	0.067%
134	15.058	14.980	15.158	VV	44	2921	0.57%	0.416%
135	15.193	15.158	15.229	VV	33	972	0.19%	0.139%
136	15.262	15.229	15.291	VV	23	539	0.11%	0.077%
137	15.407	15.291	15.586	VV	56	5864	1.15%	0.836%
138	15.729	15.586	15.752	VV	53	3586	0.70%	0.511%
139	15.796	15.752	16.017	VV	72	7907	1.55%	1.127%
140	16.050	16.017	16.105	VV	25	979	0.19%	0.139%
141	16.197	16.105	16.335	VV	269	13090	2.56%	1.865%

					rteres			
142	16.362	16.335	16.380	VV	19	414	0.08%	0.059%
143	16.401	16.380	16.463	VV	30	715	0.14%	0.102%
144	16.519	16.463	16.538	PV	22	572	0.11%	0.081%
145	16.556	16.538	16.569	VV	16	152	0.03%	0.022%
146	16.633	16.569	16.780	VV	33	1758	0.34%	0.250%
147	16.857	16.780	16.876	VV	23	659	0.13%	0.094%
148	16.958	16.876	16.991	PV	14	404	0.08%	0.058%
149	17.010	16.991	17.026	VV	13	196	0.04%	0.028%
150	17.054	17.026	17.071	VV	20	238	0.05%	0.034%

Sum of corrected areas: 701847

FB042325.M Sat May 17 00:20:14 2025

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/13/25
Project:	South River WM Replacement	Date Received:	05/13/25
Client Sample ID:	TP-32	SDG No.:	Q2032
Lab Sample ID:	Q2032-08	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	86.8 Decanted:
Sample Wt/Vol:	7 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031765.D	1	05/16/25 11:08	FB051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	7.00	U	7.00	37.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	16.9		50 - 150	84%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
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\FB051625\
Data File : FB031765.D
Signal(s) : FID2B.CH
Acq On : 16 May 2025 11:08
Operator : YP/AJ
Sample : Q2032-08
Misc : 7.00G/5.00 ML DI WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-32

Integration File: Calibration.e
Quant Time: May 16 23:12:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 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	387498	16.897 ng/ml
Target Compounds			

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

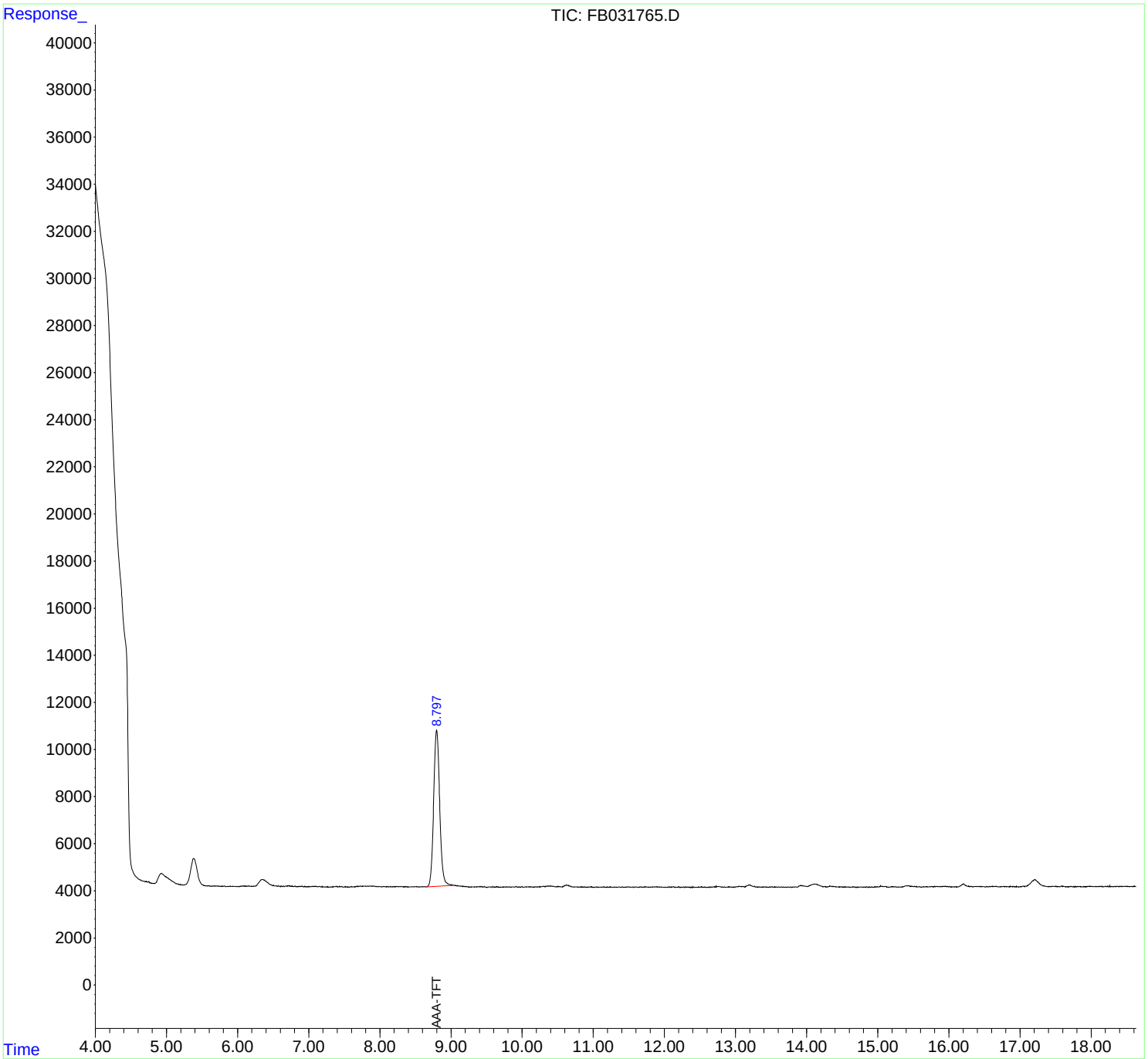
Quantitation Report (QT Reviewed)

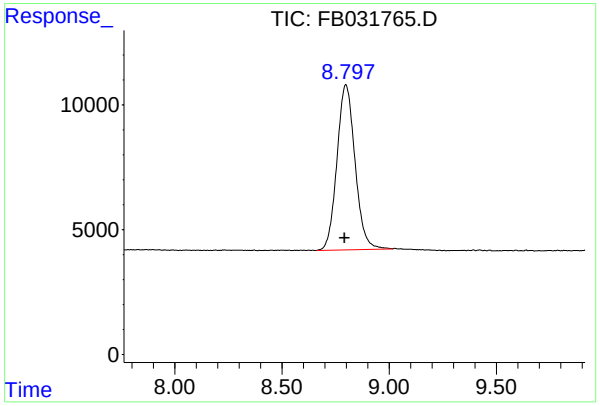
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051625\
Data File : FB031765.D
Signal(s) : FID2B.CH
Acq On : 16 May 2025 11:08
Operator : YP/AJ
Sample : Q2032-08
Misc : 7.00G/5.00 ML DI WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-32

Integration File: Calibration.e
Quant Time: May 16 23:12:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#5 AAA-TFT

R.T.: 8.798 min
Delta R.T.: 0.006 mi
Response: 387498
Conc: 16.90 ng/m

Instrument :
FID_B
ClientSampleId :
TP-32

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051625\
Data File : FB031765.D
Signal(s) : FID2B.CH
Acq On : 16 May 2025 11:08
Sample : Q2032-08
Misc : 7.00G/5.00 ML DI WATER
ALS Vial : 6 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.714	4.671	4.743	BV	23	216	0.05%	0.035%
2	5.210	5.201	5.236	VV	27	238	0.06%	0.038%
3	5.589	5.577	5.624	VV	25	322	0.08%	0.052%
4	5.662	5.624	5.683	PV	19	426	0.11%	0.069%
5	5.699	5.683	5.730	VV	28	499	0.12%	0.080%
6	5.742	5.730	5.771	VV	23	232	0.06%	0.037%
7	5.814	5.771	5.839	PV	25	416	0.10%	0.067%
8	5.853	5.839	5.870	PV	8	86	0.02%	0.014%
9	5.895	5.870	5.916	VV	18	250	0.06%	0.040%
10	5.930	5.916	5.959	VV	17	279	0.07%	0.045%
11	5.967	5.959	6.001	VV	14	182	0.05%	0.029%
12	6.052	6.001	6.061	VV	21	410	0.10%	0.066%
13	6.071	6.061	6.080	VV	30	274	0.07%	0.044%
14	6.093	6.080	6.108	VV	30	399	0.10%	0.064%
15	6.121	6.108	6.142	VV	30	462	0.12%	0.074%
16	6.156	6.142	6.179	VV	37	563	0.14%	0.091%
17	6.195	6.179	6.215	VV	26	388	0.10%	0.062%
18	6.225	6.215	6.231	VV	22	173	0.04%	0.028%
19	6.356	6.231	6.566	VV	316	28596	7.16%	4.608%
20	6.576	6.566	6.600	VV	39	641	0.16%	0.103%
21	6.619	6.600	6.635	VV	41	570	0.14%	0.092%
22	6.649	6.635	6.659	VV	44	375	0.09%	0.060%
23	6.687	6.659	6.708	VV	41	993	0.25%	0.160%
24	6.716	6.708	6.728	VV	55	531	0.13%	0.086%
25	6.733	6.728	6.743	VV	59	394	0.10%	0.064%
26	6.748	6.743	6.787	VV	36	805	0.20%	0.130%
27	6.808	6.787	6.827	VV	41	610	0.15%	0.098%
28	6.836	6.827	6.846	VV	22	171	0.04%	0.028%
29	6.875	6.846	6.886	VV	34	561	0.14%	0.090%
30	6.903	6.886	6.915	VV	42	491	0.12%	0.079%
31	6.928	6.915	6.939	VV	18	243	0.06%	0.039%
32	6.946	6.939	6.957	VV	30	239	0.06%	0.039%
33	6.971	6.957	6.989	VV	19	276	0.07%	0.044%
34	7.007	6.989	7.017	VV	28	304	0.08%	0.049%
35	7.048	7.017	7.057	VV	36	549	0.14%	0.088%
36	7.073	7.057	7.080	VV	36	406	0.10%	0.065%

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37	7.090	7.080	7.098	VV	38	341	0.09%	0.055%
38	7.105	7.098	7.123	VV	36	386	0.10%	0.062%
39	7.132	7.123	7.137	VV	24	153	0.04%	0.025%
40	7.149	7.137	7.168	VV	29	422	0.11%	0.068%
41	7.189	7.168	7.206	VV	21	280	0.07%	0.045%
42	7.214	7.206	7.229	VV	14	146	0.04%	0.024%
43	7.246	7.229	7.256	VV	25	215	0.05%	0.035%
44	7.270	7.256	7.289	VV	19	124	0.03%	0.020%
45	7.302	7.289	7.333	PV	15	258	0.06%	0.042%
46	7.345	7.333	7.374	VV	28	497	0.12%	0.080%
47	7.386	7.374	7.407	VV	41	531	0.13%	0.085%
48	7.414	7.407	7.424	VV	26	217	0.05%	0.035%
49	7.445	7.424	7.454	VV	37	452	0.11%	0.073%
50	7.467	7.454	7.493	VV	34	418	0.10%	0.067%
51	7.529	7.493	7.540	VV	29	426	0.11%	0.069%
52	7.554	7.540	7.568	VV	23	172	0.04%	0.028%
53	7.609	7.568	7.624	PV	31	567	0.14%	0.091%
54	7.677	7.624	7.688	VV	42	1004	0.25%	0.162%
55	7.725	7.688	7.747	VV	58	1490	0.37%	0.240%
56	7.757	7.747	7.768	VV	53	575	0.14%	0.093%
57	7.794	7.768	7.802	VV	51	964	0.24%	0.155%
58	7.809	7.802	7.847	VV	47	1214	0.30%	0.196%
59	7.869	7.847	7.878	VV	58	921	0.23%	0.148%
60	7.884	7.878	7.889	VV	49	310	0.08%	0.050%
61	7.900	7.889	7.913	VV	54	691	0.17%	0.111%
62	7.928	7.913	7.942	VV	52	778	0.19%	0.125%
63	7.957	7.942	7.977	VV	39	669	0.17%	0.108%
64	7.991	7.977	8.017	VV	38	733	0.18%	0.118%
65	8.053	8.017	8.080	VV	35	982	0.25%	0.158%
66	8.088	8.080	8.100	VV	33	328	0.08%	0.053%
67	8.110	8.100	8.128	VV	36	454	0.11%	0.073%
68	8.138	8.128	8.147	VV	32	304	0.08%	0.049%
69	8.192	8.147	8.204	VV	38	826	0.21%	0.133%
70	8.212	8.204	8.217	VV	25	186	0.05%	0.030%
71	8.233	8.217	8.266	VV	41	927	0.23%	0.149%
72	8.287	8.266	8.346	VV	33	1295	0.32%	0.209%
73	8.372	8.346	8.401	VV	37	752	0.19%	0.121%
74	8.418	8.401	8.437	VV	25	455	0.11%	0.073%
75	8.453	8.437	8.466	VV	32	438	0.11%	0.071%
76	8.504	8.466	8.525	VV	31	945	0.24%	0.152%
77	8.534	8.525	8.546	VV	32	308	0.08%	0.050%
78	8.586	8.546	8.613	VV	30	985	0.25%	0.159%
79	8.626	8.613	8.638	VV	28	380	0.10%	0.061%
80	8.646	8.638	8.662	VV	28	362	0.09%	0.058%
81	8.798	8.662	9.018	VV	6677	399544	100.00%	64.378%
82	9.027	9.018	9.091	VV	105	3666	0.92%	0.591%
83	9.104	9.091	9.150	VV	72	2083	0.52%	0.336%
84	9.157	9.150	9.168	VV	59	535	0.13%	0.086%
85	9.177	9.168	9.224	VV	51	1339	0.34%	0.216%
86	9.232	9.224	9.249	VV	34	404	0.10%	0.065%
87	9.257	9.249	9.268	VV	28	231	0.06%	0.037%
88	9.298	9.268	9.310	VV	26	509	0.13%	0.082%
89	9.321	9.310	9.331	VV	27	281	0.07%	0.045%

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90	9.350	9.331	9.360	VV	27	397	0.10%	0.064%
91	9.370	9.360	9.382	VV	34	338	0.08%	0.054%
92	9.393	9.382	9.406	VV	45	430	0.11%	0.069%
93	9.424	9.406	9.457	VV	47	871	0.22%	0.140%
94	9.469	9.457	9.511	VV	40	569	0.14%	0.092%
95	9.565	9.511	9.578	VV	29	753	0.19%	0.121%
96	9.592	9.578	9.628	VV	40	553	0.14%	0.089%
97	9.640	9.628	9.689	VV	41	795	0.20%	0.128%
98	9.699	9.689	9.745	VV	20	482	0.12%	0.078%
99	9.752	9.745	9.764	VV	20	198	0.05%	0.032%
100	9.787	9.764	9.801	VV	32	467	0.12%	0.075%
101	9.815	9.801	9.849	VV	30	539	0.13%	0.087%
102	9.874	9.849	9.897	VV	28	607	0.15%	0.098%
103	9.920	9.897	9.942	VV	45	732	0.18%	0.118%
104	9.962	9.942	9.978	VV	30	377	0.09%	0.061%
105	10.001	9.978	10.016	VV	46	512	0.13%	0.082%
106	10.094	10.016	10.141	VV	38	1800	0.45%	0.290%
107	10.148	10.141	10.164	VV	26	263	0.07%	0.042%
108	10.193	10.164	10.220	VV	38	786	0.20%	0.127%
109	10.241	10.220	10.263	VV	37	729	0.18%	0.117%
110	10.296	10.263	10.321	VV	56	1497	0.37%	0.241%
111	10.404	10.321	10.468	VV	71	4746	1.19%	0.765%
112	10.501	10.468	10.558	VV	49	1950	0.49%	0.314%
113	10.621	10.558	10.737	VV	111	6469	1.62%	1.042%
114	10.764	10.737	10.789	VV	34	804	0.20%	0.130%
115	10.796	10.789	10.810	VV	24	268	0.07%	0.043%
116	10.826	10.810	10.911	VV	29	1260	0.32%	0.203%
117	10.976	10.911	11.021	VV	42	1356	0.34%	0.218%
118	11.045	11.021	11.074	VV	24	590	0.15%	0.095%
119	11.149	11.074	11.175	VV	41	1156	0.29%	0.186%
120	11.198	11.175	11.220	VV	24	453	0.11%	0.073%
121	11.244	11.220	11.262	VV	24	497	0.12%	0.080%
122	11.279	11.262	11.339	VV	18	820	0.21%	0.132%
123	11.366	11.339	11.387	VV	28	569	0.14%	0.092%
124	11.411	11.387	11.448	VV	30	733	0.18%	0.118%
125	11.490	11.448	11.543	VV	35	1364	0.34%	0.220%
126	11.552	11.543	11.566	VV	31	325	0.08%	0.052%
127	11.583	11.566	11.635	VV	33	933	0.23%	0.150%
128	11.672	11.635	11.701	VV	34	920	0.23%	0.148%
129	11.739	11.701	11.789	VV	41	1386	0.35%	0.223%
130	11.888	11.789	11.952	VV	42	2643	0.66%	0.426%
131	11.973	11.952	12.019	VV	24	766	0.19%	0.123%
132	12.065	12.019	12.087	VV	32	872	0.22%	0.141%
133	12.126	12.087	12.164	VV	43	1122	0.28%	0.181%
134	12.198	12.164	12.245	VV	34	1059	0.26%	0.171%
135	12.266	12.245	12.282	VV	32	479	0.12%	0.077%
136	12.301	12.282	12.316	VV	29	466	0.12%	0.075%
137	12.330	12.316	12.369	VV	30	634	0.16%	0.102%
138	12.391	12.369	12.459	PV	32	956	0.24%	0.154%
139	12.519	12.459	12.553	VV	39	1280	0.32%	0.206%
140	12.566	12.553	12.593	VV	32	508	0.13%	0.082%
141	12.657	12.593	12.671	VV	32	992	0.25%	0.160%

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142	12.755	12.671	12.878	VV	56	4151	1.04%	0.669%
143	12.909	12.878	12.950	VV	37	1169	0.29%	0.188%
144	12.976	12.950	12.993	VV	30	598	0.15%	0.096%
145	13.052	12.993	13.132	VV	59	3654	0.91%	0.589%
146	13.192	13.132	13.333	VV	113	7319	1.83%	1.179%
147	13.339	13.333	13.373	VV	35	576	0.14%	0.093%
148	13.396	13.373	13.464	VV	31	1224	0.31%	0.197%
149	13.509	13.464	13.538	VV	35	1074	0.27%	0.173%
150	13.552	13.538	13.595	VV	32	774	0.19%	0.125%
151	13.611	13.595	13.627	VV	34	432	0.11%	0.070%
152	13.652	13.627	13.697	VV	32	859	0.21%	0.138%
153	13.708	13.697	13.728	VV	22	309	0.08%	0.050%
154	13.740	13.728	13.756	VV	31	369	0.09%	0.059%
155	13.772	13.756	13.793	VV	28	413	0.10%	0.067%
156	13.846	13.793	13.863	VV	35	951	0.24%	0.153%
157	13.919	13.863	14.012	VV	87	5517	1.38%	0.889%
158	14.109	14.012	14.239	VV	157	13608	3.41%	2.193%
159	14.258	14.239	14.285	VV	47	909	0.23%	0.146%
160	14.327	14.285	14.471	VV	58	4242	1.06%	0.684%
161	14.485	14.471	14.535	VV	36	878	0.22%	0.141%
162	14.545	14.535	14.611	VV	32	888	0.22%	0.143%
163	14.667	14.611	14.697	VV	31	924	0.23%	0.149%
164	14.727	14.697	14.780	VV	25	808	0.20%	0.130%
165	14.794	14.780	14.806	VV	27	282	0.07%	0.045%
166	14.816	14.806	14.829	VV	21	225	0.06%	0.036%
167	14.847	14.829	14.864	VV	32	425	0.11%	0.069%
168	14.885	14.864	14.939	VV	34	769	0.19%	0.124%
169	14.992	14.939	15.004	VV	31	912	0.23%	0.147%
170	15.053	15.004	15.097	VV	58	2349	0.59%	0.378%
171	15.107	15.097	15.166	VV	48	1030	0.26%	0.166%
172	15.198	15.166	15.281	VV	46	1767	0.44%	0.285%
173	15.296	15.281	15.339	VV	22	667	0.17%	0.107%
174	15.438	15.339	15.565	VV	75	6462	1.62%	1.041%
175	15.577	15.565	15.615	VV	37	677	0.17%	0.109%
176	15.691	15.615	15.711	PV	32	1486	0.37%	0.239%
177	15.754	15.711	15.776	VV	42	1211	0.30%	0.195%
178	15.803	15.776	15.875	VV	43	2012	0.50%	0.324%
179	15.890	15.875	15.903	VV	37	559	0.14%	0.090%
180	15.920	15.903	15.934	VV	48	697	0.17%	0.112%
181	15.948	15.934	16.043	VV	49	1988	0.50%	0.320%
182	16.063	16.043	16.076	VV	25	366	0.09%	0.059%
183	16.090	16.076	16.128	VV	19	569	0.14%	0.092%
184	16.208	16.128	16.288	VV	152	6856	1.72%	1.105%
185	16.306	16.288	16.334	VV	39	839	0.21%	0.135%
186	16.366	16.334	16.383	VV	35	788	0.20%	0.127%
187	16.395	16.383	16.428	VV	38	787	0.20%	0.127%
188	16.438	16.428	16.513	VV	32	1176	0.29%	0.190%
189	16.531	16.513	16.559	VV	31	532	0.13%	0.086%
190	16.590	16.559	16.608	VV	27	698	0.17%	0.113%
191	16.661	16.608	16.716	VV	36	1557	0.39%	0.251%
192	16.766	16.716	16.851	VV	28	1488	0.37%	0.240%
193	16.866	16.851	16.895	PV	20	428	0.11%	0.069%
194	16.919	16.895	16.934	VV	26	374	0.09%	0.060%

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195	16.961	16.934	16.998	PV	20	338	0.08%	0.054%
196	17.043	16.998	17.065	PV	25	551	0.14%	0.089%
					Sum of corrected areas:	620621		

FB042325.M Sat May 17 00:21:28 2025

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/13/25
Project:	South River WM Replacement	Date Received:	05/13/25
Client Sample ID:	FB-05132025	SDG No.:	Q2032
Lab Sample ID:	Q2032-11	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
FB031745.D	1	05/14/25 15:07	FB051425

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	20.7		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\FB051425\
Data File : FB031745.D
Signal(s) : FID2B.CH
Acq On : 14 May 2025 15:07
Operator : YP/AJ
Sample : Q2032-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
FB-05132025

Integration File: Calibration.e
Quant Time: May 15 04:29:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
System Monitoring Compounds				
5) s	AAA-TFT	8.794	475659	20.741 ng/ml
Target Compounds				

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

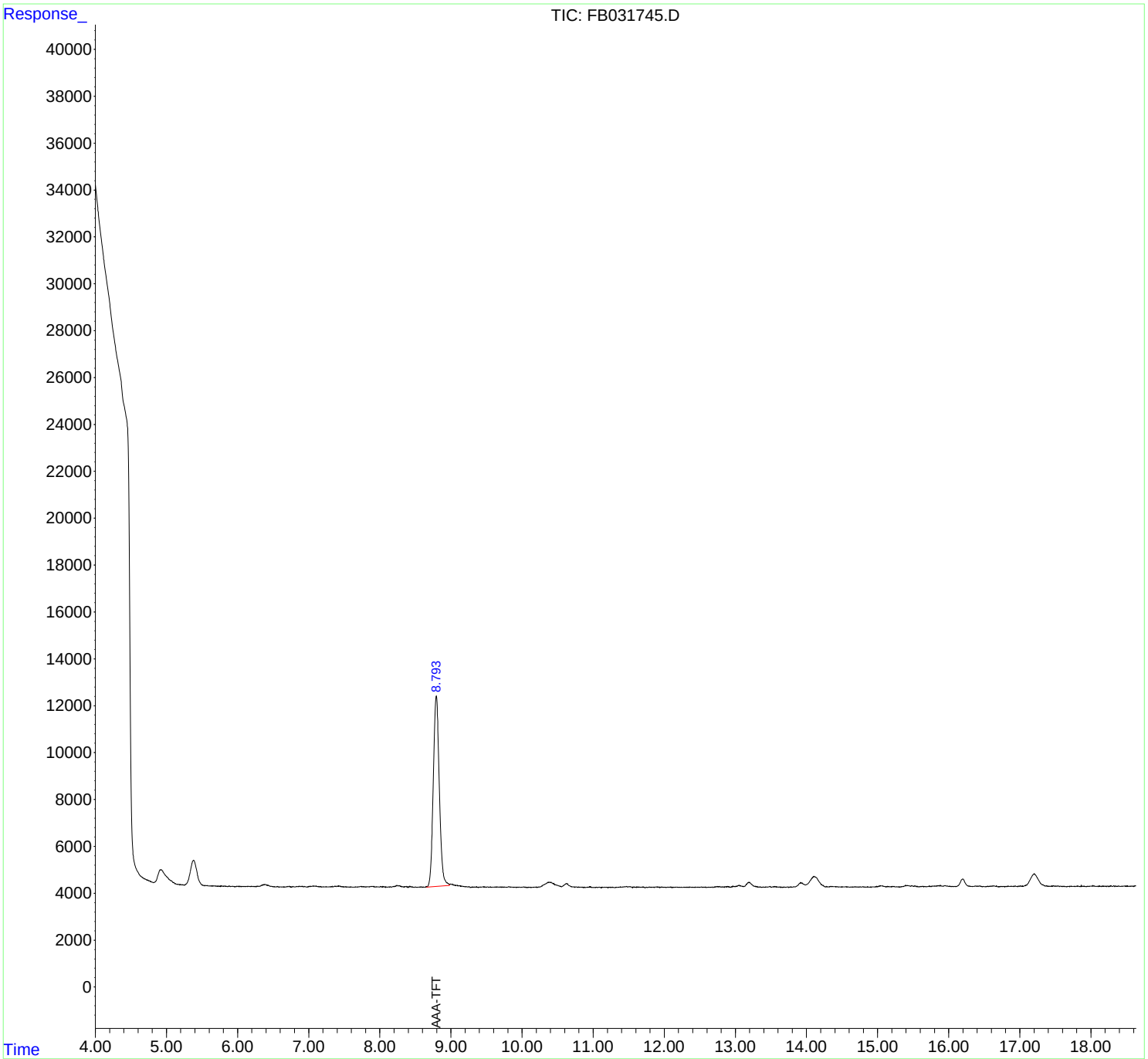
Quantitation Report (QT Reviewed)

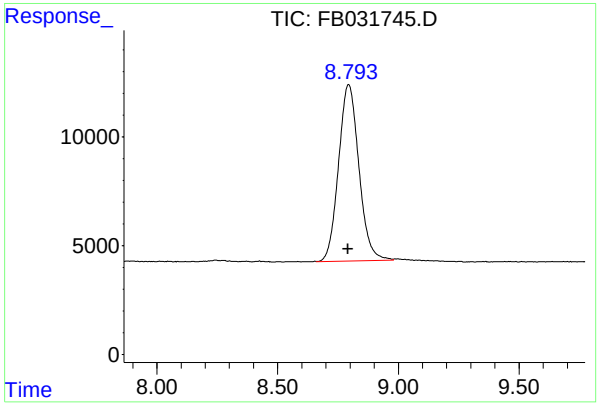
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051425\
Data File : FB031745.D
Signal(s) : FID2B.CH
Acq On : 14 May 2025 15:07
Operator : YP/AJ
Sample : Q2032-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
FB-05132025

Integration File: Calibration.e
Quant Time: May 15 04:29:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#5 AAA-TFT

R.T.: 8.794 min
Delta R.T.: 0.003 mi
Response: 475659
Conc: 20.74 ng/m

Instrument :
FID_B
ClientSampleId :
FB-05132025

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051425\
Data File : FB031745.D
Signal(s) : FID2B.CH
Acq On : 14 May 2025 15:07
Sample : Q2032-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	5.195	5.185	5.257	PV	17	352	0.07%	0.047%
2	5.550	5.539	5.559	VV	26	214	0.04%	0.029%
3	5.571	5.559	5.616	VV	25	459	0.09%	0.061%
4	5.631	5.616	5.641	VV	23	207	0.04%	0.028%
5	5.651	5.641	5.670	PV	22	263	0.05%	0.035%
6	5.680	5.670	5.691	VV	20	222	0.05%	0.030%
7	5.701	5.691	5.713	VV	17	150	0.03%	0.020%
8	5.729	5.713	5.767	PV	23	430	0.09%	0.058%
9	5.780	5.767	5.794	VV	25	298	0.06%	0.040%
10	5.812	5.794	5.862	VV	24	580	0.12%	0.078%
11	5.872	5.862	5.876	VV	21	114	0.02%	0.015%
12	5.886	5.876	5.916	VV	31	387	0.08%	0.052%
13	5.930	5.916	5.958	VV	32	405	0.08%	0.054%
14	5.966	5.958	5.972	PV	13	56	0.01%	0.008%
15	6.005	5.972	6.017	VV	30	485	0.10%	0.065%
16	6.031	6.017	6.082	VV	33	678	0.14%	0.091%
17	6.089	6.082	6.101	VV	22	210	0.04%	0.028%
18	6.110	6.101	6.115	VV	18	108	0.02%	0.014%
19	6.125	6.115	6.138	VV	26	263	0.05%	0.035%
20	6.146	6.138	6.185	VV	26	548	0.11%	0.073%
21	6.196	6.185	6.205	VV	27	243	0.05%	0.033%
22	6.214	6.205	6.249	VV	24	497	0.10%	0.067%
23	6.283	6.249	6.293	VV	34	627	0.13%	0.084%
24	6.392	6.293	6.462	VV	117	7128	1.47%	0.955%
25	6.470	6.462	6.499	VV	40	602	0.12%	0.081%
26	6.516	6.499	6.541	VV	22	357	0.07%	0.048%
27	6.550	6.541	6.556	VV	21	126	0.03%	0.017%
28	6.564	6.556	6.586	VV	32	250	0.05%	0.034%
29	6.595	6.586	6.623	VV	14	229	0.05%	0.031%
30	6.632	6.623	6.675	VV	12	235	0.05%	0.031%
31	6.727	6.675	6.765	PV	40	911	0.19%	0.122%
32	6.778	6.765	6.795	VV	29	321	0.07%	0.043%
33	6.875	6.850	6.895	VV	46	866	0.18%	0.116%
34	6.905	6.895	6.931	VV	46	645	0.13%	0.086%
35	6.942	6.931	6.977	VV	29	492	0.10%	0.066%
36	7.060	6.977	7.068	VV	55	1746	0.36%	0.234%

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37	7.076	7.068	7.154	VV	55	1907	0.39%	0.255%
38	7.161	7.154	7.186	VV	32	420	0.09%	0.056%
39	7.209	7.186	7.229	VV	22	427	0.09%	0.057%
40	7.243	7.229	7.266	VV	23	346	0.07%	0.046%
41	7.299	7.266	7.307	VV	29	428	0.09%	0.057%
42	7.313	7.307	7.317	VV	22	121	0.02%	0.016%
43	7.328	7.317	7.341	VV	32	325	0.07%	0.044%
44	7.366	7.341	7.374	VV	49	682	0.14%	0.091%
45	7.396	7.374	7.406	VV	51	804	0.17%	0.108%
46	7.415	7.406	7.421	VV	57	420	0.09%	0.056%
47	7.430	7.421	7.502	VV	57	1589	0.33%	0.213%
48	7.525	7.502	7.543	VV	27	429	0.09%	0.057%
49	7.557	7.543	7.573	VV	19	220	0.05%	0.029%
50	7.601	7.573	7.616	VV	18	298	0.06%	0.040%
51	7.624	7.616	7.640	VV	11	107	0.02%	0.014%
52	7.652	7.640	7.659	VV	16	128	0.03%	0.017%
53	7.671	7.659	7.682	VV	18	195	0.04%	0.026%
54	7.696	7.682	7.704	VV	25	213	0.04%	0.028%
55	7.735	7.704	7.756	VV	42	926	0.19%	0.124%
56	7.764	7.756	7.798	VV	28	600	0.12%	0.080%
57	7.808	7.798	7.820	VV	30	263	0.05%	0.035%
58	7.835	7.820	7.859	VV	28	536	0.11%	0.072%
59	7.902	7.859	7.931	VV	44	1435	0.30%	0.192%
60	7.938	7.931	7.946	VV	21	181	0.04%	0.024%
61	7.956	7.946	7.996	VV	29	597	0.12%	0.080%
62	8.011	7.996	8.034	VV	40	562	0.12%	0.075%
63	8.047	8.034	8.081	VV	34	621	0.13%	0.083%
64	8.088	8.081	8.110	VV	27	281	0.06%	0.038%
65	8.120	8.110	8.133	VV	20	218	0.04%	0.029%
66	8.152	8.133	8.169	VV	35	434	0.09%	0.058%
67	8.242	8.169	8.264	VV	89	2870	0.59%	0.385%
68	8.272	8.264	8.348	VV	71	2118	0.44%	0.284%
69	8.357	8.348	8.363	VV	34	271	0.06%	0.036%
70	8.370	8.363	8.394	VV	35	441	0.09%	0.059%
71	8.425	8.394	8.459	VV	49	996	0.20%	0.133%
72	8.463	8.459	8.489	VV	27	162	0.03%	0.022%
73	8.500	8.489	8.522	VV	20	196	0.04%	0.026%
74	8.585	8.522	8.600	VV	24	686	0.14%	0.092%
75	8.654	8.600	8.668	VV	40	813	0.17%	0.109%
76	8.794	8.668	8.979	VV	8168	485981	100.00%	65.115%
77	8.999	8.979	9.036	VV	155	4638	0.95%	0.621%
78	9.042	9.036	9.067	VV	115	1866	0.38%	0.250%
79	9.075	9.067	9.115	VV	97	2369	0.49%	0.317%
80	9.123	9.115	9.150	VV	77	1413	0.29%	0.189%
81	9.158	9.150	9.199	VV	62	1466	0.30%	0.196%
82	9.207	9.199	9.243	VV	40	850	0.17%	0.114%
83	9.253	9.243	9.272	VV	41	476	0.10%	0.064%
84	9.302	9.272	9.317	PV	23	333	0.07%	0.045%
85	9.362	9.317	9.379	VV	36	749	0.15%	0.100%
86	9.403	9.379	9.427	VV	22	511	0.11%	0.068%
87	9.442	9.427	9.478	VV	29	766	0.16%	0.103%
88	9.487	9.478	9.497	VV	30	233	0.05%	0.031%
89	9.512	9.497	9.531	VV	30	440	0.09%	0.059%

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90	9.552	9.531	9.574	VV	27	495	0.10%	0.066%
91	9.594	9.574	9.610	VV	23	407	0.08%	0.055%
92	9.640	9.610	9.652	VV	28	532	0.11%	0.071%
93	9.661	9.652	9.670	VV	27	243	0.05%	0.033%
94	9.684	9.670	9.692	VV	31	296	0.06%	0.040%
95	9.701	9.692	9.720	VV	28	379	0.08%	0.051%
96	9.734	9.720	9.742	VV	26	262	0.05%	0.035%
97	9.752	9.742	9.783	VV	27	486	0.10%	0.065%
98	9.819	9.783	9.837	VV	41	827	0.17%	0.111%
99	9.844	9.837	9.853	VV	33	236	0.05%	0.032%
100	9.862	9.853	9.878	VV	26	280	0.06%	0.037%
101	9.907	9.878	9.919	VV	24	386	0.08%	0.052%
102	9.956	9.919	9.967	VV	26	468	0.10%	0.063%
103	9.972	9.967	9.984	VV	24	163	0.03%	0.022%
104	10.021	9.984	10.059	VV	33	871	0.18%	0.117%
105	10.068	10.059	10.084	VV	19	157	0.03%	0.021%
106	10.091	10.084	10.115	VV	19	232	0.05%	0.031%
107	10.122	10.115	10.130	VV	18	97	0.02%	0.013%
108	10.201	10.130	10.225	VV	30	1013	0.21%	0.136%
109	10.389	10.225	10.400	VV	235	13568	2.79%	1.818%
110	10.408	10.400	10.557	VV	236	12026	2.47%	1.611%
111	10.621	10.557	10.712	VV	181	9394	1.93%	1.259%
112	10.729	10.712	10.746	VV	39	678	0.14%	0.091%
113	10.758	10.746	10.789	VV	40	725	0.15%	0.097%
114	10.799	10.789	10.828	VV	39	584	0.12%	0.078%
115	10.834	10.828	10.871	VV	29	531	0.11%	0.071%
116	10.882	10.871	10.892	VV	24	177	0.04%	0.024%
117	10.962	10.892	10.979	VV	42	1213	0.25%	0.163%
118	10.986	10.979	10.999	VV	17	158	0.03%	0.021%
119	11.009	10.999	11.026	VV	16	196	0.04%	0.026%
120	11.047	11.026	11.060	VV	23	309	0.06%	0.041%
121	11.084	11.060	11.110	VV	31	552	0.11%	0.074%
122	11.139	11.110	11.158	VV	22	414	0.09%	0.056%
123	11.167	11.158	11.211	VV	25	559	0.12%	0.075%
124	11.235	11.211	11.262	VV	26	549	0.11%	0.074%
125	11.271	11.262	11.296	VV	21	358	0.07%	0.048%
126	11.327	11.296	11.338	VV	23	368	0.08%	0.049%
127	11.384	11.338	11.406	VV	33	1070	0.22%	0.143%
128	11.413	11.406	11.430	VV	41	502	0.10%	0.067%
129	11.441	11.430	11.452	VV	51	553	0.11%	0.074%
130	11.475	11.452	11.490	VV	59	1069	0.22%	0.143%
131	11.505	11.490	11.516	VV	49	669	0.14%	0.090%
132	11.524	11.516	11.552	VV	49	774	0.16%	0.104%
133	11.581	11.552	11.607	VV	37	914	0.19%	0.122%
134	11.618	11.607	11.627	VV	40	362	0.07%	0.049%
135	11.633	11.627	11.640	VV	36	210	0.04%	0.028%
136	11.648	11.640	11.687	VV	35	784	0.16%	0.105%
137	11.705	11.687	11.731	VV	46	653	0.13%	0.087%
138	11.749	11.731	11.758	PV	30	277	0.06%	0.037%
139	11.793	11.758	11.824	VV	37	940	0.19%	0.126%
140	11.836	11.824	11.851	VV	30	409	0.08%	0.055%
141	11.887	11.851	11.897	VV	38	865	0.18%	0.116%

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142	11.909	11.897	11.919	VV	43	438	0.09%	0.059%
143	11.929	11.919	11.941	VV	39	328	0.07%	0.044%
144	11.963	11.941	12.027	VV	36	1127	0.23%	0.151%
145	12.045	12.027	12.055	VV	26	330	0.07%	0.044%
146	12.089	12.055	12.097	VV	32	596	0.12%	0.080%
147	12.116	12.097	12.125	VV	29	370	0.08%	0.050%
148	12.131	12.125	12.137	VV	21	127	0.03%	0.017%
149	12.182	12.137	12.198	VV	27	787	0.16%	0.105%
150	12.215	12.198	12.227	VV	22	260	0.05%	0.035%
151	12.238	12.227	12.250	VV	24	215	0.04%	0.029%
152	12.256	12.250	12.261	VV	17	85	0.02%	0.011%
153	12.277	12.261	12.286	VV	26	273	0.06%	0.037%
154	12.294	12.286	12.322	VV	18	359	0.07%	0.048%
155	12.336	12.322	12.358	VV	22	389	0.08%	0.052%
156	12.372	12.358	12.397	VV	21	406	0.08%	0.054%
157	12.407	12.397	12.448	VV	18	420	0.09%	0.056%
158	12.467	12.448	12.500	VV	24	507	0.10%	0.068%
159	12.526	12.500	12.545	VV	34	604	0.12%	0.081%
160	12.580	12.545	12.593	VV	29	486	0.10%	0.065%
161	12.633	12.593	12.643	VV	25	432	0.09%	0.058%
162	12.673	12.643	12.685	VV	21	396	0.08%	0.053%
163	12.747	12.685	12.759	VV	54	1304	0.27%	0.175%
164	12.782	12.759	12.806	VV	46	943	0.19%	0.126%
165	12.815	12.806	12.824	VV	35	301	0.06%	0.040%
166	12.841	12.824	12.851	VV	39	411	0.08%	0.055%
167	12.865	12.851	12.874	VV	39	419	0.09%	0.056%
168	12.893	12.874	12.940	VV	40	1018	0.21%	0.136%
169	12.949	12.940	12.957	VV	39	296	0.06%	0.040%
170	12.965	12.957	13.006	VV	63	1301	0.27%	0.174%
171	13.058	13.006	13.069	VV	95	2595	0.53%	0.348%
172	13.075	13.069	13.110	VV	76	1431	0.29%	0.192%
173	13.118	13.110	13.124	VV	47	363	0.07%	0.049%
174	13.193	13.124	13.272	VV	222	11720	2.41%	1.570%
175	13.279	13.272	13.338	VV	52	1146	0.24%	0.154%
176	13.349	13.338	13.374	VV	29	274	0.06%	0.037%
177	13.393	13.374	13.430	PV	17	369	0.08%	0.049%
178	13.440	13.430	13.451	VV	21	205	0.04%	0.028%
179	13.466	13.451	13.473	VV	25	276	0.06%	0.037%
180	13.484	13.473	13.505	VV	38	497	0.10%	0.067%
181	13.535	13.505	13.543	VV	30	437	0.09%	0.059%
182	13.552	13.543	13.607	VV	38	827	0.17%	0.111%
183	13.616	13.607	13.658	VV	18	271	0.06%	0.036%
184	13.665	13.658	13.673	PV	12	64	0.01%	0.009%
185	13.688	13.673	13.707	VV	15	158	0.03%	0.021%
186	13.734	13.707	13.758	VV	19	255	0.05%	0.034%
187	13.784	13.758	13.806	PV	15	272	0.06%	0.036%
188	13.822	13.806	13.843	VV	27	400	0.08%	0.054%
189	13.920	13.843	13.929	VV	188	5531	1.14%	0.741%
190	13.934	13.929	13.986	VV	178	4557	0.94%	0.611%
191	14.108	13.986	14.267	VV	452	38929	8.01%	5.216%
192	14.282	14.267	14.325	PV	16	111	0.02%	0.015%
193	14.338	14.325	14.371	PB	14	158	0.03%	0.021%
194	14.437	14.404	14.451	BV	12	114	0.02%	0.015%

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195	14.463	14.451	14.484	PV	12	166	0.03%	0.022%
196	14.500	14.484	14.531	VV	14	274	0.06%	0.037%
197	14.541	14.531	14.547	VV	15	111	0.02%	0.015%
198	14.565	14.547	14.575	VV	22	263	0.05%	0.035%
199	14.589	14.575	14.599	VV	12	120	0.02%	0.016%
200	14.623	14.599	14.633	PV	10	116	0.02%	0.016%
201	14.645	14.633	14.657	VV	18	140	0.03%	0.019%
202	14.669	14.657	14.676	VV	12	104	0.02%	0.014%
203	14.686	14.676	14.699	VV	20	184	0.04%	0.025%
204	14.722	14.699	14.743	VV	19	272	0.06%	0.036%
205	14.757	14.743	14.767	PV	26	181	0.04%	0.024%
206	14.793	14.767	14.820	VV	24	424	0.09%	0.057%
207	14.830	14.820	14.846	VV	11	123	0.03%	0.017%
208	14.857	14.846	14.883	VV	24	231	0.05%	0.031%
209	14.906	14.883	14.914	VV	14	134	0.03%	0.018%
210	14.953	14.914	14.965	PV	20	432	0.09%	0.058%
211	14.981	14.965	15.004	VV	32	509	0.10%	0.068%
212	15.040	15.004	15.121	VV	60	3024	0.62%	0.405%
213	15.144	15.121	15.177	VV	35	823	0.17%	0.110%
214	15.186	15.177	15.197	VV	24	245	0.05%	0.033%
215	15.227	15.197	15.259	VV	34	818	0.17%	0.110%
216	15.266	15.259	15.310	VV	25	436	0.09%	0.058%
217	15.396	15.310	15.413	VV	68	2249	0.46%	0.301%
218	15.422	15.413	15.466	VV	69	1796	0.37%	0.241%
219	15.484	15.466	15.512	VV	63	1348	0.28%	0.181%
220	15.526	15.512	15.583	VV	59	1318	0.27%	0.177%
221	15.607	15.583	15.618	VV	31	442	0.09%	0.059%
222	15.628	15.618	15.655	VV	33	571	0.12%	0.077%
223	15.665	15.655	15.684	VV	30	378	0.08%	0.051%
224	15.731	15.684	15.756	VV	37	1125	0.23%	0.151%
225	15.773	15.756	15.798	VV	44	1019	0.21%	0.137%
226	15.860	15.798	15.871	VV	62	2135	0.44%	0.286%
227	15.882	15.871	15.925	VV	79	1555	0.32%	0.208%
228	15.945	15.925	15.974	VV	62	1461	0.30%	0.196%
229	15.984	15.974	15.999	VV	51	580	0.12%	0.078%
230	16.007	15.999	16.014	VV	36	239	0.05%	0.032%
231	16.020	16.014	16.072	VV	32	827	0.17%	0.111%
232	16.197	16.072	16.332	VV	341	18106	3.73%	2.426%
233	16.373	16.332	16.394	VV	43	1107	0.23%	0.148%
234	16.435	16.394	16.478	VV	46	1413	0.29%	0.189%
235	16.487	16.478	16.522	VV	22	337	0.07%	0.045%
236	16.549	16.522	16.561	VV	29	446	0.09%	0.060%
237	16.638	16.561	16.709	VV	46	2302	0.47%	0.308%
238	16.770	16.709	16.795	PV	18	610	0.13%	0.082%
239	16.832	16.795	16.873	PV	23	691	0.14%	0.093%
240	16.884	16.873	16.914	VV	23	445	0.09%	0.060%
241	16.937	16.914	16.962	VV	36	523	0.11%	0.070%
			Sum of corrected areas:			746346		

FB042325.M Thu May 15 04:54:41 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.: Q2032 SAS No.: Q2032 SDG No.: Q2032

Calibration Sequence : FB042325		Test : Gasoline Range Organics	
Concentration (PPB)	**Area Count**	**Reference Factor**	**File ID**
45	1404536	31212	FB031638.D
90	2828773	31431	FB031639.D
180	5982574	33237	FB031640.D
450	16361923	36360	FB031641.D
900	31441842	34935	FB031642.D
AVG RF : 33435	**% RSD : 6.655**		**AVG RT : 8.7924**

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.: Q2032 SAS No.: Q2032 SDG No.: Q2032

DataFile: FB031742.D Analyst Name: YP/AJ Analyst Date: 05-14-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	6336001	35200	33435	5.279

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051425\
Data File : FB031742.D
Signal(s) : FID2B.CH
Acq On : 14 May 2025 13:20
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: May 15 04:29:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
5) s	AAA-TFT	8.795	525337	22.908	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.727	900429	40.521	ng/ml
2) t	2,2,4-Trimethylpentane	7.428	1114948	32.640	ng/ml
3) t	n-Heptane	7.757	361082	11.739	ng/ml
4) t	Benzene	7.897	417584	10.212	ng/ml
6) t	Toluene	10.624	1214615	30.486	ng/ml
7) t	Ethylbenzene	13.060	347823	9.734	ng/ml
8) t	m-Xylene	13.193	774128	19.813	ng/ml
9) t	O-Xylene	13.921	716144	19.438	ng/ml
10) t	1,2,4-Trimethylbenzene	16.197	489248	18.137	ng/ml

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

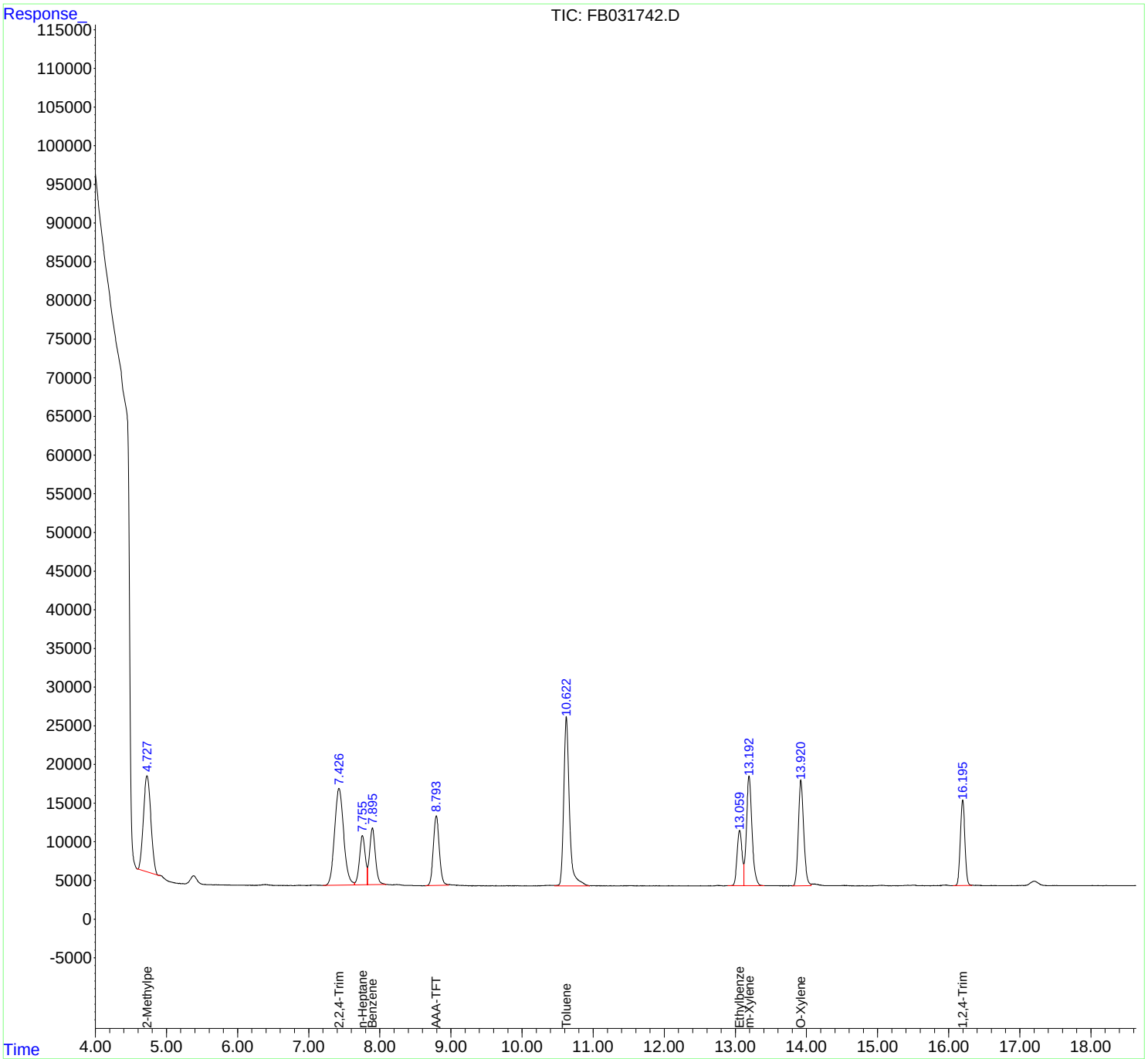
Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051425\
Data File : FB031742.D
Signal(s) : FID2B.CH
Acq On : 14 May 2025 13:20
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: May 15 04:29:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051425\
Data File : FB031742.D
Signal(s) : FID2B.CH
Acq On : 14 May 2025 13:20
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.727	4.582	4.907	BV	12438	900429	74.13%	13.123%
2	7.428	7.201	7.646	PV	12526	1114948	91.79%	16.250%
3	7.757	7.646	7.826	VV	6368	361082	29.73%	5.263%
4	7.897	7.826	8.094	VV	7337	417584	34.38%	6.086%
5	8.795	8.637	8.963	BV	8997	525337	43.25%	7.656%
6	10.624	10.459	10.948	VV	21872	1214615	100.00%	17.702%
7	13.060	12.890	13.120	BV	7161	347823	28.64%	5.069%
8	13.193	13.120	13.407	VV	14190	774128	63.73%	11.282%
9	13.921	13.797	14.066	PV	13673	716144	58.96%	10.437%
10	16.197	16.060	16.325	BV	11064	489248	40.28%	7.131%

Sum of corrected areas: 6861337

FB042325.M Thu May 15 04:49:21 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.: Q2032 SAS No.: Q2032 SDG No.: Q2032

DataFile: FB031747.D Analyst Name: YP/AJ Analyst Date: 05-14-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	6199359	34441	33435	3.009

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051425\
Data File : FB031747.D
Signal(s) : FID2B.CH
Acq On : 14 May 2025 16:02
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: May 15 04:30:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 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	493615	21.524	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.727	890752	40.086	ng/ml
2) t	2,2,4-Trimethylpentane	7.426	1095883	32.082	ng/ml
3) t	n-Heptane	7.757	343180	11.157	ng/ml
4) t	Benzene	7.897	413955	10.123	ng/ml
6) t	Toluene	10.624	1166616	29.281	ng/ml
7) t	Ethylbenzene	13.061	339435	9.499	ng/ml
8) t	m-Xylene	13.194	755534	19.337	ng/ml
9) t	O-Xylene	13.922	703861	19.104	ng/ml
10) t	1,2,4-Trimethylbenzene	16.197	490143	18.171	ng/ml

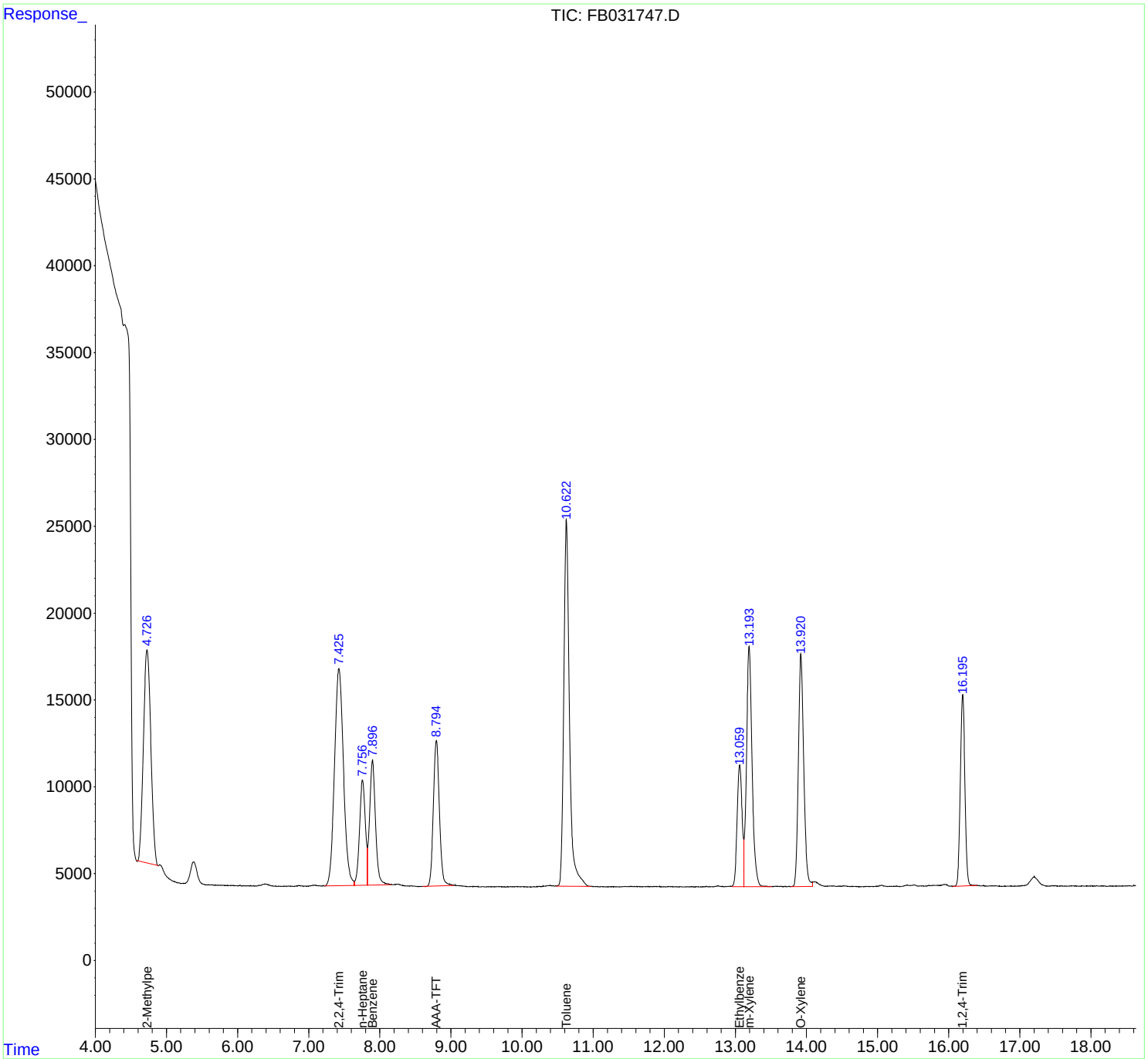
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051425\
Data File : FB031747.D
Signal(s) : FID2B.CH
Acq On : 14 May 2025 16:02
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: May 15 04:30:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051425\
Data File : FB031747.D
Signal(s) : FID2B.CH
Acq On : 14 May 2025 16:02
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.727	4.576	4.888	BV	12278	890752	76.35%	13.309%
2	7.426	7.220	7.642	BV	12506	1095883	93.94%	16.374%
3	7.757	7.642	7.826	VV	6063	343180	29.42%	5.127%
4	7.897	7.826	8.161	VV	7184	413955	35.48%	6.185%
5	8.796	8.604	9.046	BV	8371	493615	42.31%	7.375%
6	10.624	10.482	10.969	VV	21110	1166616	100.00%	17.430%
7	13.061	12.948	13.121	VV	6999	339435	29.10%	5.072%
8	13.194	13.121	13.513	VB	13822	755534	64.76%	11.288%
9	13.922	13.778	14.087	VV	13364	703861	60.33%	10.516%
10	16.197	16.057	16.401	BBA	11025	490143	42.01%	7.323%

Sum of corrected areas: 6692975

FB042325.M Thu May 15 04:50:57 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.: Q2032 SAS No.: Q2032 SDG No.: Q2032

DataFile: FB031748.D Analyst Name: YP/AJ Analyst Date: 05-15-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	7056583	39203	33435	17.251

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051525\
Data File : FB031748.D
Signal(s) : FID2B.CH
Acq On : 15 May 2025 10:08
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/16/2025
Supervised By :mohammad ahmed 05/19/2025

Integration File: Calibration.e
Quant Time: May 16 02:32:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
5) s	AAA-TFT	8.795	531525	23.177	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.728	973316	43.801	ng/mlm
2) t	2,2,4-Trimethylpentane	7.429	1208135	35.368	ng/ml
3) t	n-Heptane	7.757	396945	12.905	ng/ml
4) t	Benzene	7.897	478937	11.712	ng/ml
6) t	Toluene	10.623	1361009	34.160	ng/ml
7) t	Ethylbenzene	13.060	389962	10.913	ng/ml
8) t	m-Xylene	13.193	864596	22.128	ng/ml
9) t	O-Xylene	13.921	804593	21.838	ng/ml
10) t	1,2,4-Trimethylbenzene	16.197	579090	21.468	ng/ml

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051525\
Data File : FB031748.D
Signal(s) : FID2B.CH
Acq On : 15 May 2025 10:08
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

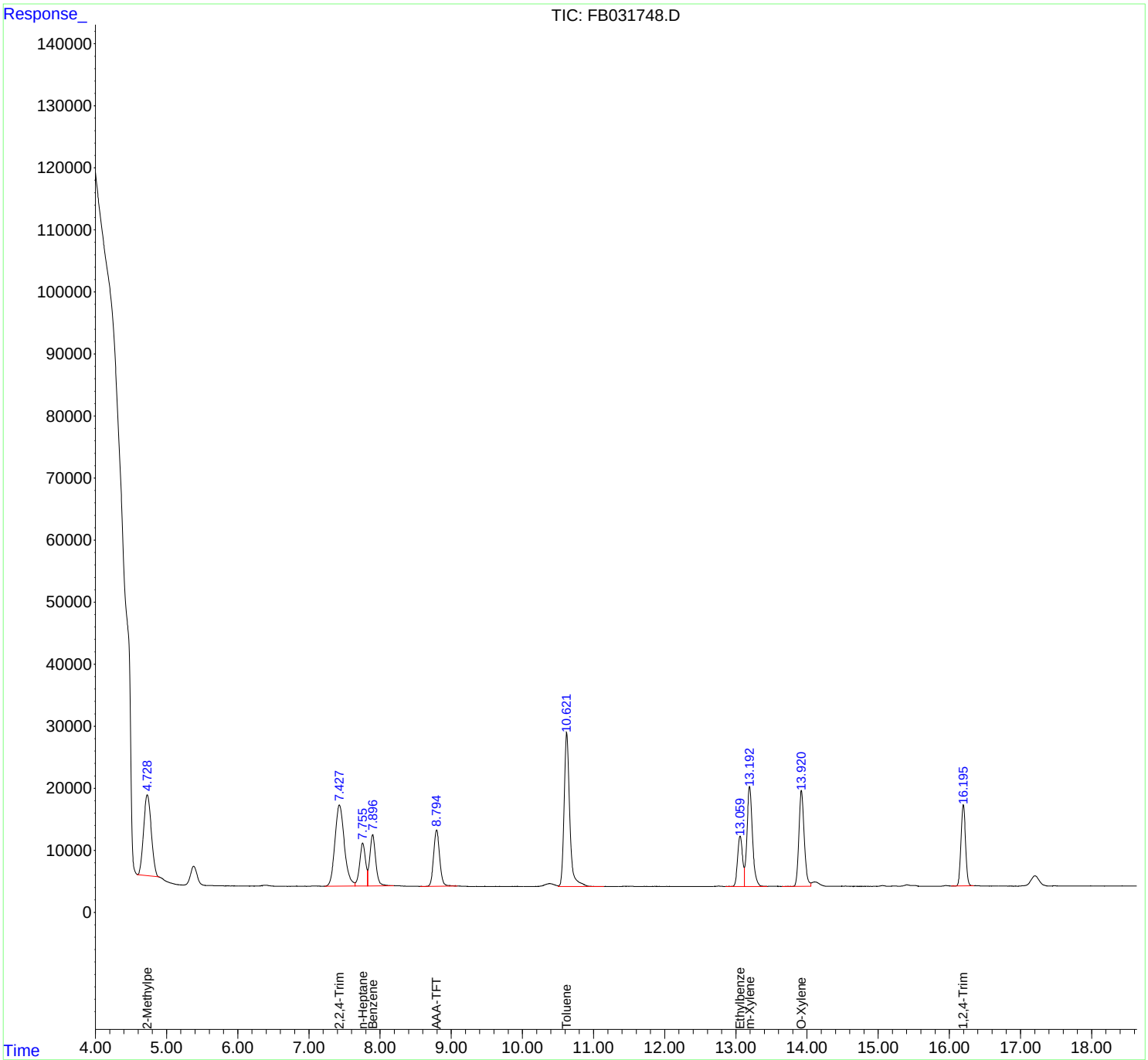
Integration File: Calibration.e
Quant Time: May 16 02:32:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/16/2025
Supervised By :mohammad ahmed 05/19/2025



Instrument :
FID_B
LabSampleId :
20 PPB GRO STD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 05/16/2025
Supervised By :mohammad ahmed 05/19/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB05152
Data File : FB031748.D
Signal(s) : FID2B.CH
Acq On : 15 May 2025 10:08
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.729	4.587	5.239	BV	13204	1002580	73.66%	13.162%
2	7.429	7.221	7.648	PV	13085	1208135	88.77%	15.860%
3	7.757	7.648	7.825	VV	6919	396945	29.17%	5.211%
4	7.897	7.825	8.192	VV	8269	478937	35.19%	6.287%
5	8.795	8.562	9.088	BV	9071	531525	39.05%	6.978%
6	10.623	10.502	11.148	VB	24811	1361009	100.00%	17.867%
7	13.060	12.854	13.120	BV	8130	389962	28.65%	5.119%
8	13.193	13.120	13.444	VV	16133	864596	63.53%	11.350%
9	13.921	13.650	14.053	BV	15491	804593	59.12%	10.563%
10	16.197	16.024	16.342	VV	13082	579090	42.55%	7.602%

Sum of corrected areas: 7617371

FB042325.M Fri May 16 03:01:46 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.: Q2032 SAS No.: Q2032 SDG No.: Q2032

DataFile: FB031758.D Analyst Name: YP/AJ Analyst Date: 05-15-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	6899237	38329	33435	14.637

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051525\
Data File : FB031758.D
Signal(s) : FID2B.CH
Acq On : 15 May 2025 16:36
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc : 6.88G/5.00 ML DI WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: May 16 02:34:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 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	360408	15.716	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.730	1049304	47.221	ng/ml
2) t	2,2,4-Trimethylpentane	7.430	1213996	35.540	ng/ml
3) t	n-Heptane	7.760	398936	12.970	ng/ml
4) t	Benzene	7.900	461285	11.280	ng/ml
6) t	Toluene	10.627	1292272	32.435	ng/ml
7) t	Ethylbenzene	13.064	371996	10.410	ng/ml
8) t	m-Xylene	13.197	821925	21.036	ng/ml
9) t	O-Xylene	13.926	770152	20.904	ng/ml
10) t	1,2,4-Trimethylbenzene	16.200	519371	19.254	ng/ml

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

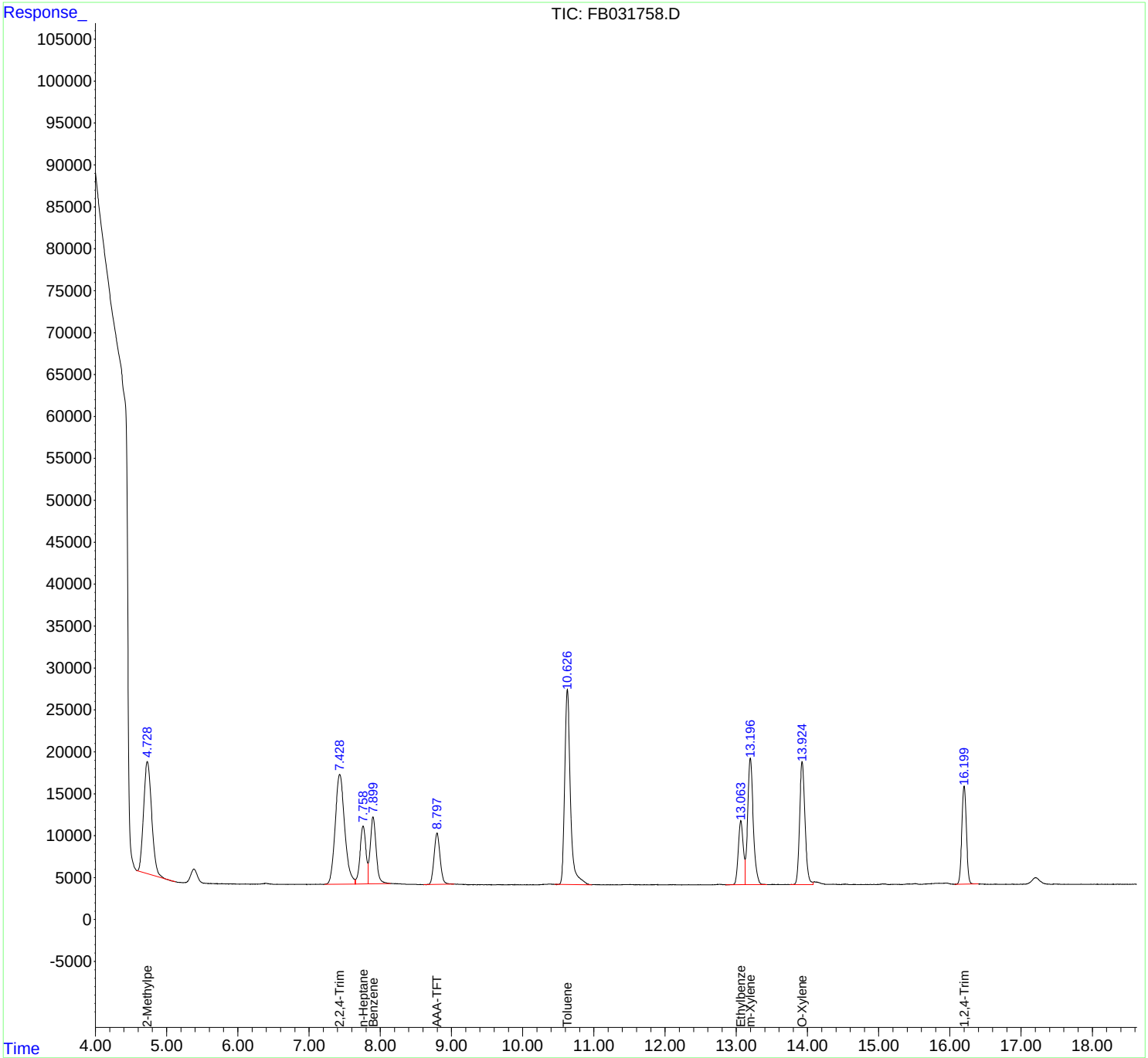
Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051525\
Data File : FB031758.D
Signal(s) : FID2B.CH
Acq On : 15 May 2025 16:36
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc : 6.88G/5.00 ML DI WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: May 16 02:34:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051525\
Data File : FB031758.D
Signal(s) : FID2B.CH
Acq On : 15 May 2025 16:36
Sample : 20 PPB GRO STD
Misc : 6.88G/5.00 ML DI WATER
ALS Vial : 12 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.730	4.576	5.124	BV	13382	1049304	81.20%	14.454%
2	7.430	7.218	7.649	PV	13094	1213996	93.94%	16.723%
3	7.760	7.649	7.829	VV	6917	398936	30.87%	5.495%
4	7.900	7.829	8.147	VV	7979	461285	35.70%	6.354%
5	8.798	8.606	9.038	BV	6139	360408	27.89%	4.965%
6	10.627	10.449	10.972	BV	23252	1292272	100.00%	17.801%
7	13.064	12.845	13.124	BV	7647	371996	28.79%	5.124%
8	13.197	13.124	13.433	VV	15093	821925	63.60%	11.322%
9	13.926	13.753	14.078	BV	14661	770152	59.60%	10.609%
10	16.200	16.066	16.401	BBA	11709	519371	40.19%	7.154%

Sum of corrected areas: 7259645

FB042325.M Fri May 16 03:06:18 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.: Q2032 SAS No.: Q2032 SDG No.: Q2032

DataFile: FB031760.D Analyst Name: YP/AJ Analyst Date: 05-16-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	5683194	31573	33435	5.569

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051625\
Data File : FB031760.D
Signal(s) : FID2B.CH
Acq On : 16 May 2025 8:22
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/19/2025
Supervised By :mohammad ahmed 05/20/2025

Integration File: Calibration.e
Quant Time: May 16 23:11:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 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	455062	19.843	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.732	757372	34.083	ng/ml
2) t	2,2,4-Trimethylpentane	7.429	992739	29.063	ng/ml
3) t	n-Heptane	7.758	320339	10.415	ng/ml
4) t	Benzene	7.898	382691	9.359	ng/ml
6) t	Toluene	10.624	1084631	27.224	ng/ml
7) t	Ethylbenzene	13.060	316892	8.868	ng/ml
8) t	m-Xylene	13.193	699188	17.895	ng/ml
9) t	O-Xylene	13.919	657196	17.838	ng/mlm
10) t	1,2,4-Trimethylbenzene	16.196	472146	17.503	ng/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051625\
Data File : FB031760.D
Signal(s) : FID2B.CH
Acq On : 16 May 2025 8:22
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

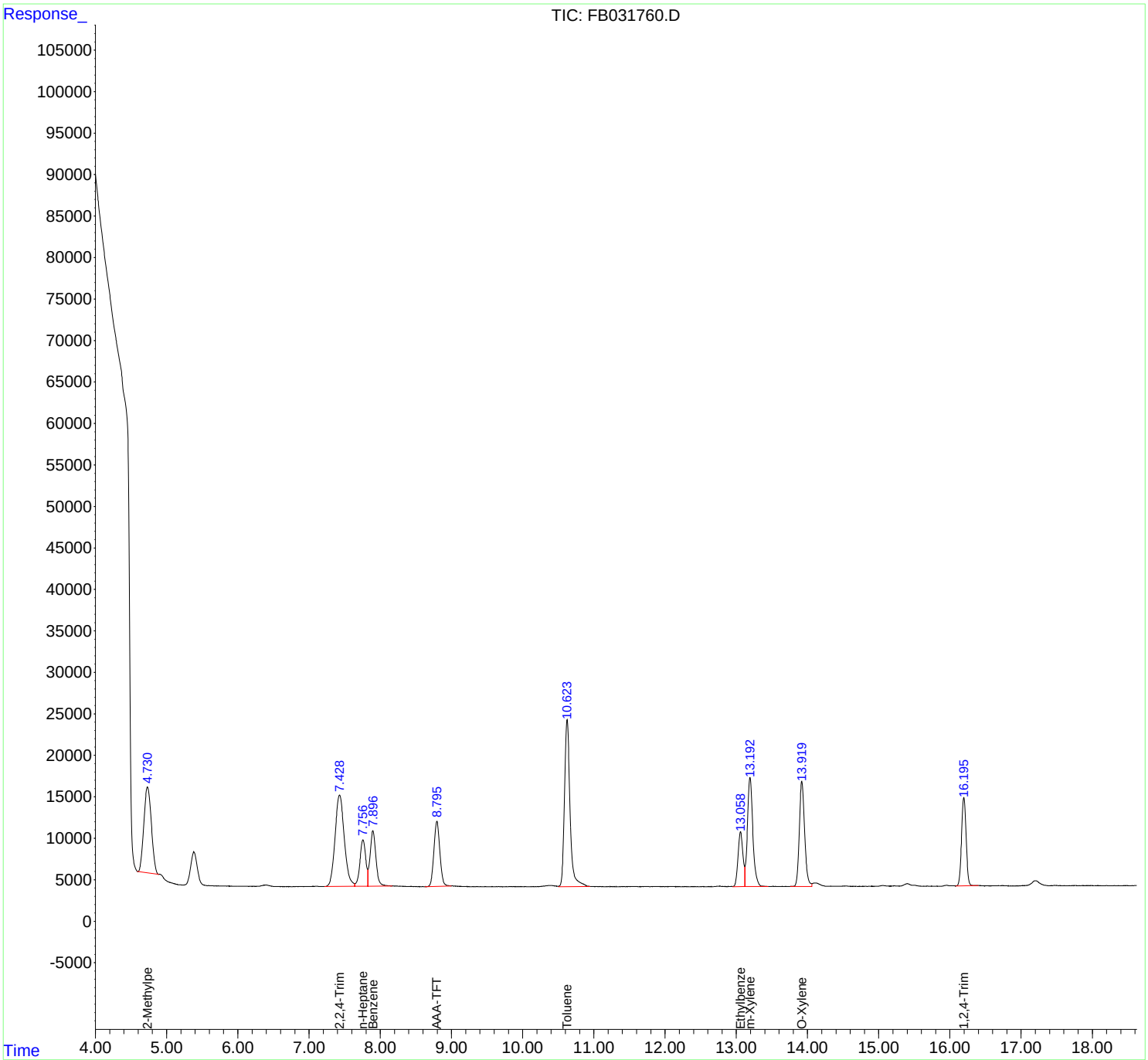
Integration File: Calibration.e
Quant Time: May 16 23:11:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/19/2025
Supervised By :mohammad ahmed 05/20/2025



Instrument :
FID_B
LabSampleId :
20 PPB GRO STD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 05/19/2025
Supervised By :mohammad ahmed 05/20/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB05162
Data File : FB031760.D
Signal(s) : FID2B.CH
Acq On : 16 May 2025 8:22
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.732	4.587	4.894	BV	10340	757372	69.83%	12.340%
2	7.429	7.215	7.641	PV	11013	992739	91.53%	16.175%
3	7.758	7.641	7.827	VV	5594	320339	29.53%	5.219%
4	7.898	7.827	8.169	VV	6687	382691	35.28%	6.235%
5	8.796	8.623	8.999	BV	7848	455062	41.96%	7.414%
6	10.624	10.505	10.947	VV	20113	1084631	100.00%	17.672%
7	13.060	12.951	13.120	VV	6621	316892	29.22%	5.163%
8	13.193	13.120	13.452	VV	13159	699188	64.46%	11.392%
9	13.921	13.452	14.061	PV	12675	656502	60.53%	10.696%
10	16.196	16.077	16.403	VBA	10645	472146	43.53%	7.693%

Sum of corrected areas: 6137561

FB042325.M Sat May 17 00:36:58 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.: Q2032 SAS No.: Q2032 SDG No.: Q2032

DataFile: FB031771.D Analyst Name: YP/AJ Analyst Date: 05-16-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	6268763	34826	33435	4.16

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051625\
Data File : FB031771.D
Signal(s) : FID2B.CH
Acq On : 16 May 2025 14:52
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: May 16 23:13:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 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	415683	18.126	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.731	967713	43.549	ng/ml
2) t	2,2,4-Trimethylpentane	7.434	1108077	32.439	ng/ml
3) t	n-Heptane	7.761	356859	11.602	ng/ml
4) t	Benzene	7.901	418069	10.224	ng/ml
6) t	Toluene	10.629	1177955	29.566	ng/ml
7) t	Ethylbenzene	13.065	336784	9.425	ng/ml
8) t	m-Xylene	13.199	744385	19.052	ng/ml
9) t	O-Xylene	13.927	696821	18.913	ng/ml
10) t	1,2,4-Trimethylbenzene	16.201	462100	17.131	ng/ml

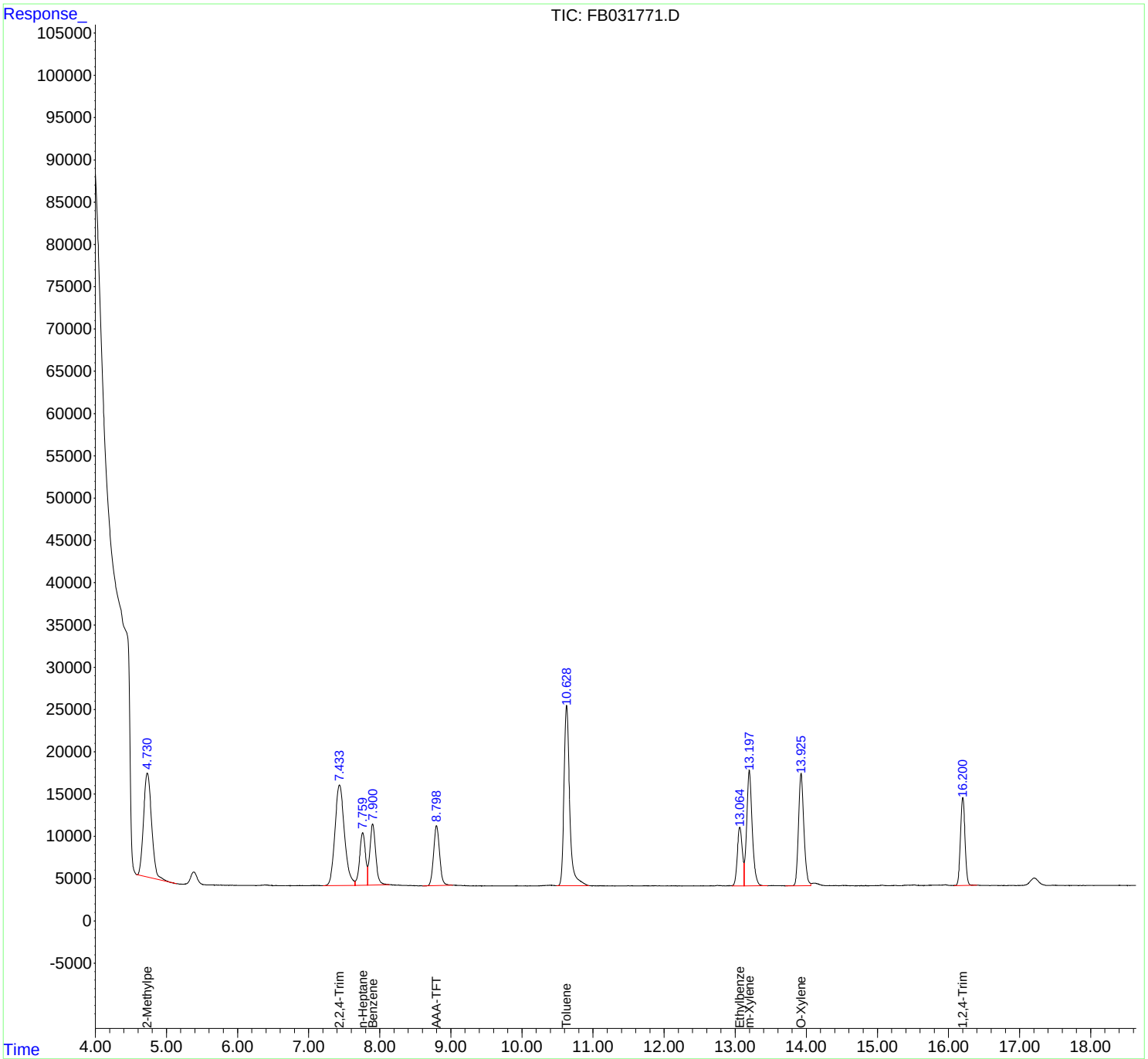
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051625\
Data File : FB031771.D
Signal(s) : FID2B.CH
Acq On : 16 May 2025 14:52
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: May 16 23:13:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051625\
Data File : FB031771.D
Signal(s) : FID2B.CH
Acq On : 16 May 2025 14:52
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.731	4.582	5.144	BV	12305	967713	82.15%	14.477%
2	7.434	7.201	7.652	BV	11894	1108077	94.07%	16.577%
3	7.761	7.652	7.830	VV	6226	356859	30.29%	5.339%
4	7.901	7.830	8.141	VV	7224	418069	35.49%	6.254%
5	8.799	8.604	9.029	BV	7094	415683	35.29%	6.219%
6	10.629	10.485	10.948	BV	21320	1177955	100.00%	17.622%
7	13.065	12.956	13.125	VV	6947	336784	28.59%	5.038%
8	13.199	13.125	13.461	VB	13674	744385	63.19%	11.136%
9	13.927	13.705	14.065	BV	13282	696821	59.16%	10.425%
10	16.201	16.077	16.401	BBA	10387	462100	39.23%	6.913%

Sum of corrected areas: 6684444

FB042325.M Sat May 17 00:18:17 2025

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

Analytical Sequence

Client: CDM Smith **SDG No.:** Q2032

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 **8.7924**

EPA SAMPLE NO.	LAB SAMPLE ID	DATE AND TIME ANALYZED	DATAFILE	RT	#
20 PPB GRO STD	20 PPB GRO STD	14 May 2025 13:20	FB031742.D	8.795	
VBF0514W1	VBF0514W1	14 May 2025 14:13	FB031743.D	8.794	
BSF0514W1	BSF0514W1	14 May 2025 14:40	FB031744.D	8.793	
FB-05132025	Q2032-11	14 May 2025 15:07	FB031745.D	8.585	*
BSF0514W2	BSF0514W2	14 May 2025 15:35	FB031746.D	8.796	
20 PPB GRO STD	20 PPB GRO STD	14 May 2025 16:02	FB031747.D	8.796	
20 PPB GRO STD	20 PPB GRO STD	15 May 2025 10:08	FB031748.D	8.795	
VBF0515S1	VBF0515S1	15 May 2025 12:03	FB031749.D	8.798	
BSF0515S1	BSF0515S1	15 May 2025 12:58	FB031751.D	8.798	
TP-24	Q2032-04	15 May 2025 13:26	FB031752.D	8.560	*
TP-24MS	Q2032-05MS	15 May 2025 14:22	FB031754.D	8.796	
TP-24MSD	Q2032-06MSD	15 May 2025 14:50	FB031755.D	8.796	
TP-29	Q2032-02	15 May 2025 15:40	FB031756.D	8.624	*
20 PPB GRO STD	20 PPB GRO STD	15 May 2025 16:36	FB031758.D	8.798	
20 PPB GRO STD	20 PPB GRO STD	16 May 2025 8:22	FB031760.D	8.796	
VBF0516S1	VBF0516S1	16 May 2025 9:16	FB031761.D	8.796	
VBF0516S2	VBF0516S2	16 May 2025 9:44	FB031762.D	8.797	
BSF0516S1	BSF0516S1	16 May 2025 10:12	FB031763.D	8.798	
TP-37	Q2032-07	16 May 2025 10:40	FB031764.D	8.798	
TP-32	Q2032-08	16 May 2025 11:08	FB031765.D	8.626	*
TP-29-99	Q2032-03	16 May 2025 13:29	FB031768.D	8.798	
TP-11	Q2032-01	16 May 2025 13:57	FB031769.D	8.799	
BSF0516S2	BSF0516S2	16 May 2025 14:24	FB031770.D	8.800	
20 PPB GRO STD	20 PPB GRO STD	16 May 2025 14:52	FB031771.D	8.799	

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

QC Limits	Lower Limit	Upper Limits
(± 0.10 minutes)	8.6924	8.8924

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:	VBF0514W1	SDG No.:	Q2032
Lab Sample ID:	VBF0514W1	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
FB031743.D	1	05/14/25 14:13	FB051425

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	22.3		50 - 150	111%	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\FB051425\
Data File : FB031743.D
Signal(s) : FID2B.CH
Acq On : 14 May 2025 14:13
Operator : YP/AJ
Sample : VBF0514W1
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0514W1

Integration File: Calibration.e
Quant Time: May 15 04:29:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
System Monitoring Compounds				
5) s	AAA-TFT	8.794	510306	22.252 ng/ml
Target Compounds				

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

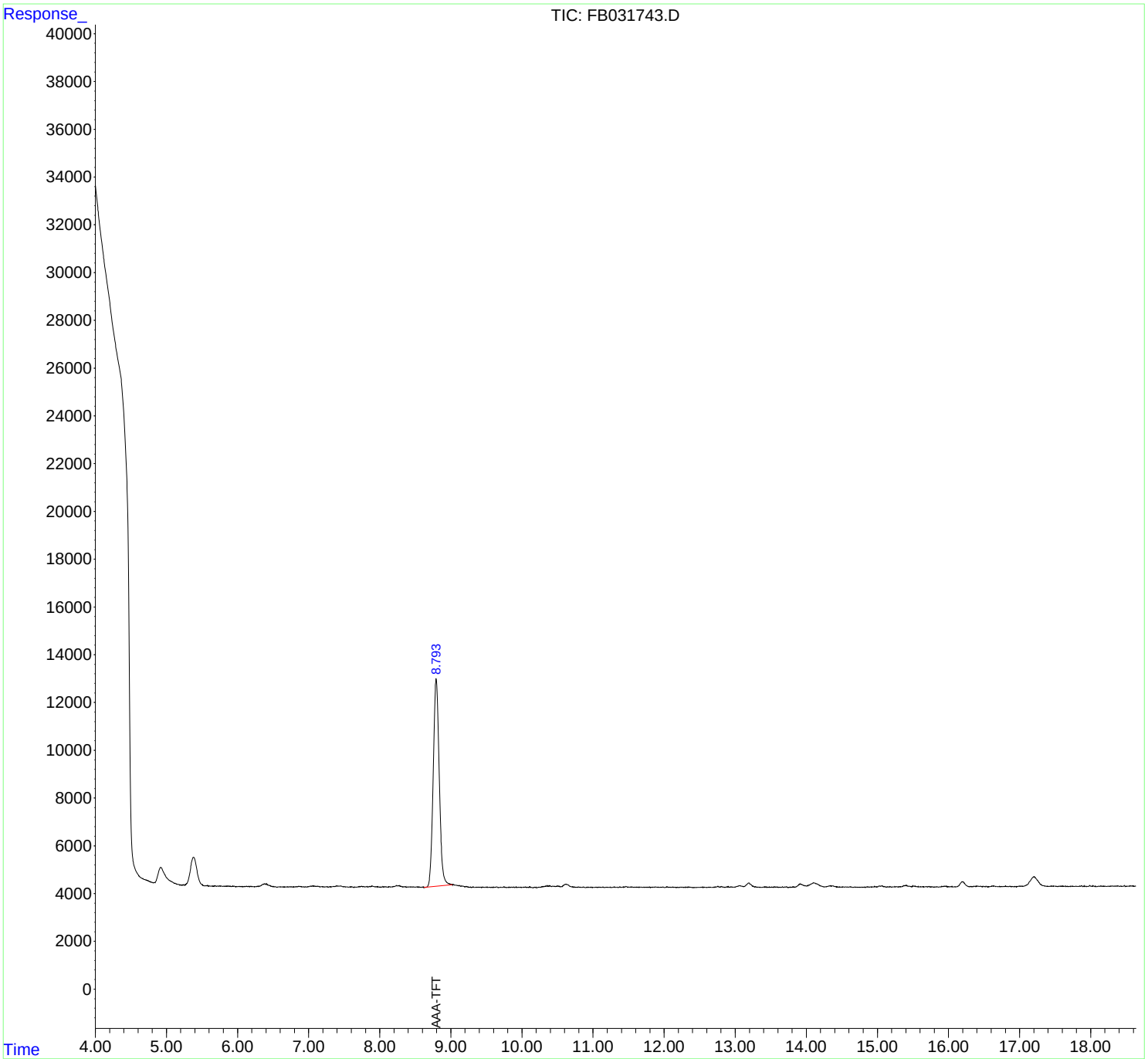
Quantitation Report (QT Reviewed)

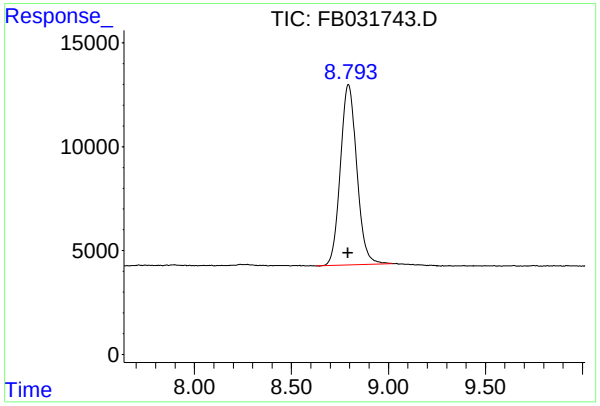
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051425\
Data File : FB031743.D
Signal(s) : FID2B.CH
Acq On : 14 May 2025 14:13
Operator : YP/AJ
Sample : VBF0514W1
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0514W1

Integration File: Calibration.e
Quant Time: May 15 04:29:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#5 AAA-TFT

R.T.: 8.794 min
Delta R.T.: 0.002 mi
Response: 510306
Conc: 22.25 ng/m

Instrument :
FID_B
ClientSampleId :
VBF0514W1

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051425\
Data File : FB031743.D
Signal(s) : FID2B.CH
Acq On : 14 May 2025 14:13
Sample : VBF0514W1
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	8.794	8.626	9.022	BV	8690	510306	100.00%	100.000%

Sum of corrected areas: 510306

FB042325.M Thu May 15 04:49:44 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:	VBF0515S1	SDG No.:	Q2032
Lab Sample ID:	VBF0515S1	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
FB031749.D	1	05/15/25 12:03	FB051525

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	27.0		50 - 150	135%	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\FB051525\
Data File : FB031749.D
Signal(s) : FID2B.CH
Acq On : 15 May 2025 12:03
Operator : YP/AJ
Sample : VBF0515S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0515S1

Integration File: Calibration.e
Quant Time: May 16 02:32:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 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	618552	26.972 ng/ml
Target Compounds			

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

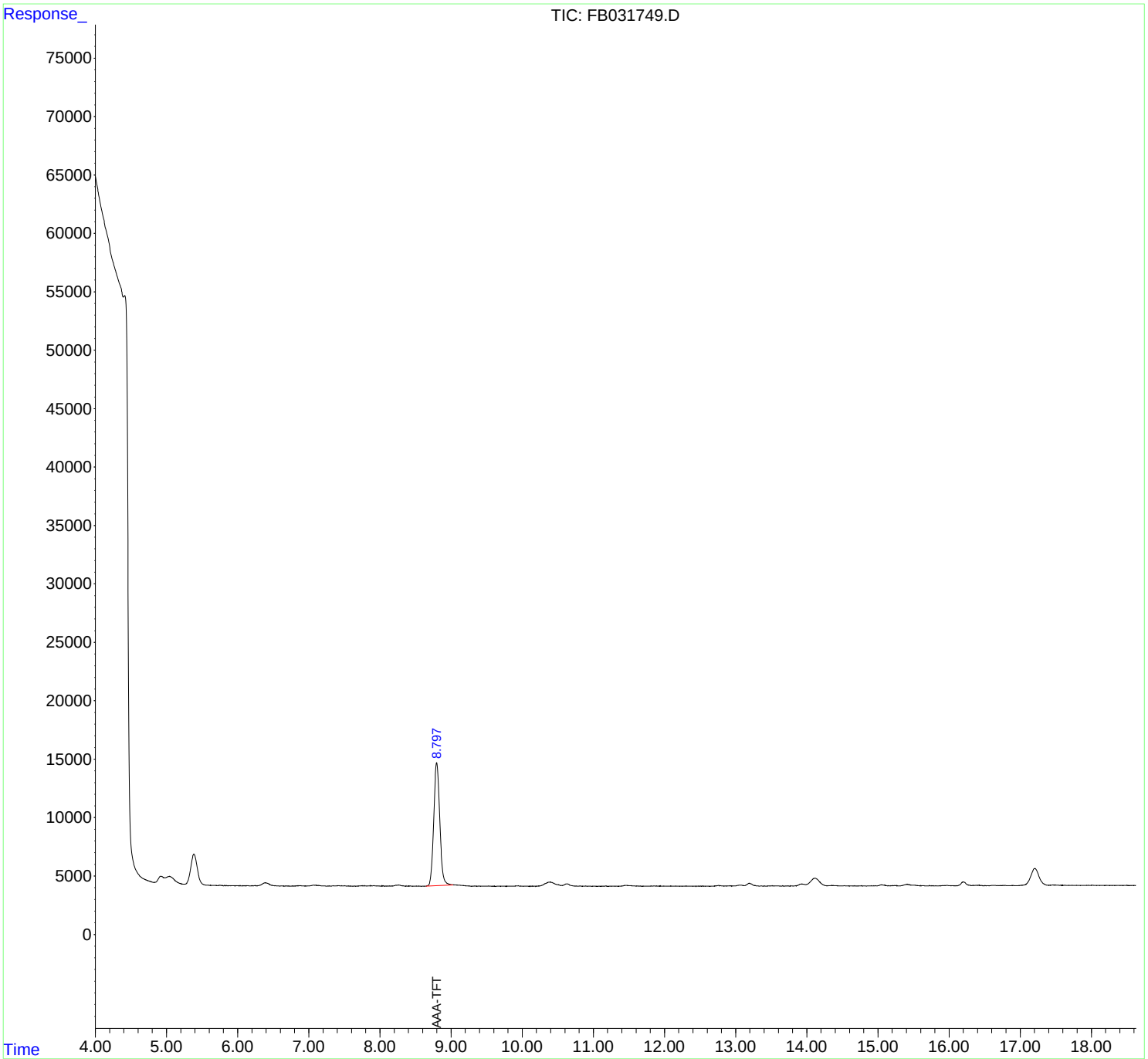
Quantitation Report (QT Reviewed)

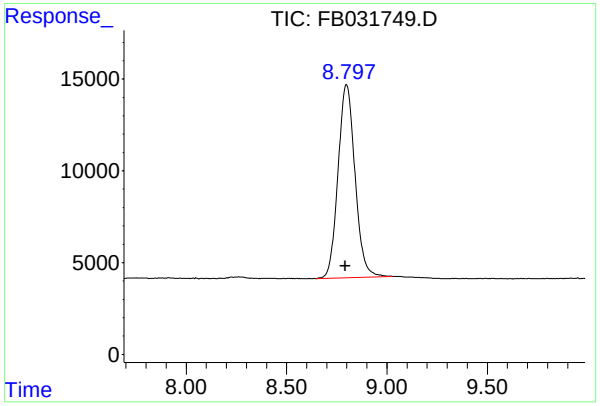
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051525\
Data File : FB031749.D
Signal(s) : FID2B.CH
Acq On : 15 May 2025 12:03
Operator : YP/AJ
Sample : VBF0515S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0515S1

Integration File: Calibration.e
Quant Time: May 16 02:32:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#5 AAA-TFT

R.T.: 8.798 min
Delta R.T.: 0.006 mi
Response: 618552
Conc: 26.97 ng/m

Instrument :
FID_B
ClientSampleId :
VBF0515S1

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051525\
Data File : FB031749.D
Signal(s) : FID2B.CH
Acq On : 15 May 2025 12:03
Sample : VBF0515S1
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\FB042325.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	8.798	8.646	9.029	PV	10529	618552	100.00%	100.000%

Sum of corrected areas: 618552

FB042325.M Fri May 16 03:03:24 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:	VBF0516S1	SDG No.:	Q2032
Lab Sample ID:	VBF0516S1	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
FB031761.D	1	05/16/25 9:16	FB051625

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	16.8		50 - 150	84%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
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\FB051625\
Data File : FB031761.D
Signal(s) : FID2B.CH
Acq On : 16 May 2025 9:16
Operator : YP/AJ
Sample : VBF0516S1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0516S1

Integration File: Calibration.e
Quant Time: May 16 23:11:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 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	385037	16.790 ng/ml
Target Compounds				

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

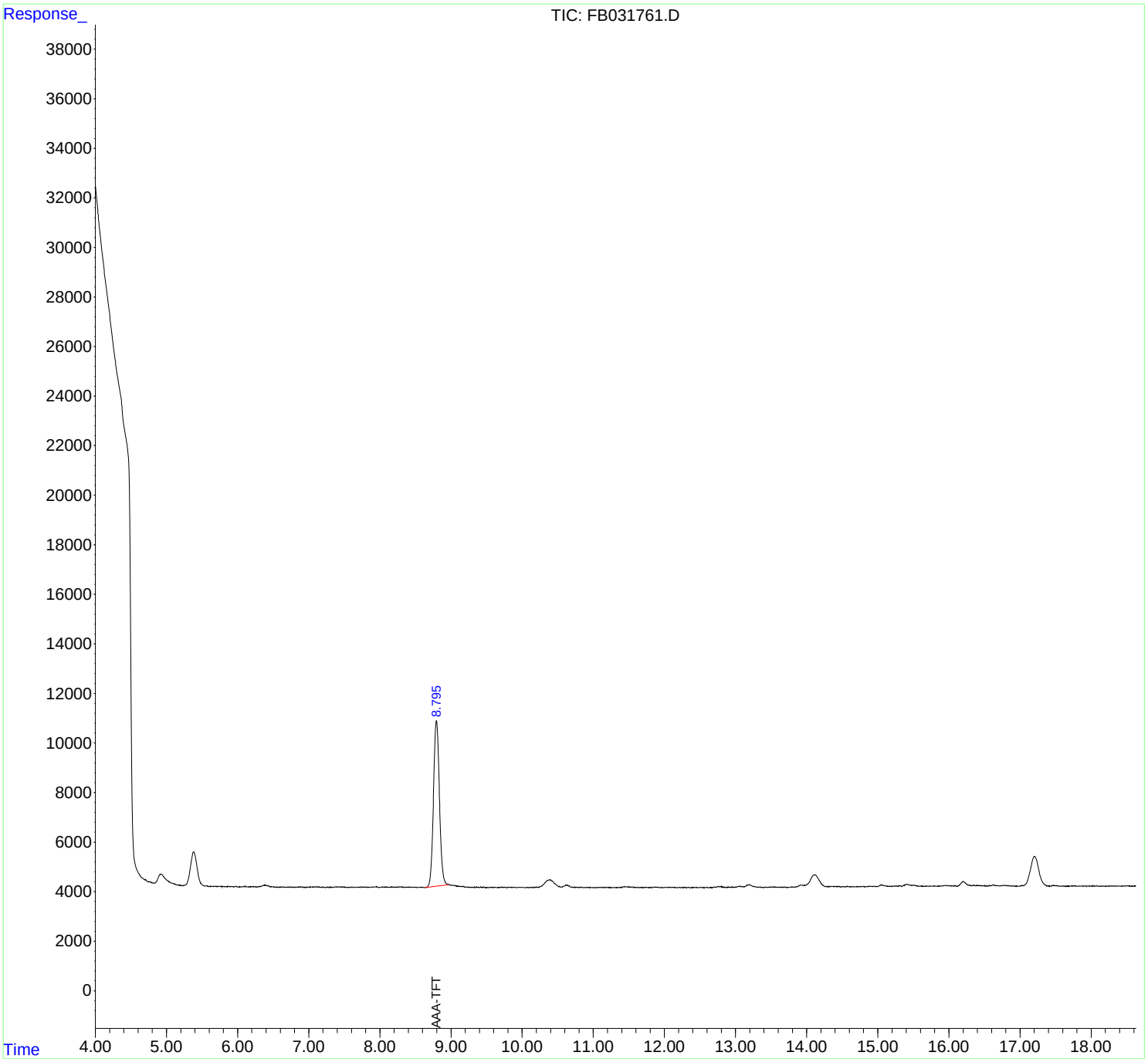
Quantitation Report (QT Reviewed)

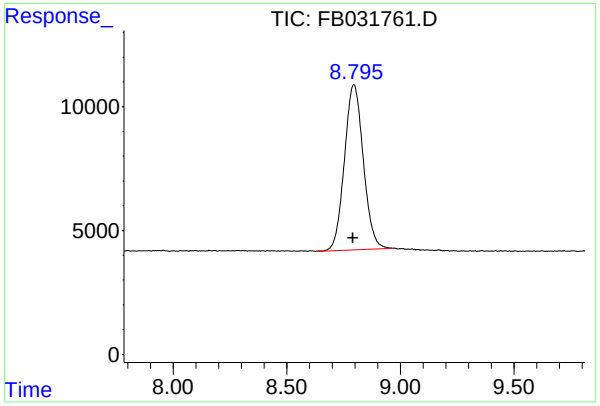
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051625\
Data File : FB031761.D
Signal(s) : FID2B.CH
Acq On : 16 May 2025 9:16
Operator : YP/AJ
Sample : VBF0516S1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0516S1

Integration File: Calibration.e
Quant Time: May 16 23:11:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 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.: 0.004 mi
Response: 385037
Conc: 16.79 ng/m

Instrument :
FID_B
ClientSampleId :
VBF0516S1

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051625\
Data File : FB031761.D
Signal(s) : FID2B.CH
Acq On : 16 May 2025 9:16
Sample : VBF0516S1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	8.796	8.629	8.967	BV	6679	385037	100.00%	100.000%

Sum of corrected areas: 385037

FB042325.M Sat May 17 00:16:08 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:	VBF0516S2	SDG No.:	Q2032
Lab Sample ID:	VBF0516S2	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
FB031762.D	50	05/16/25 9:44	FB051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	413	U	413	2250	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	19.7		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\FB051625\
Data File : FB031762.D
Signal(s) : FID2B.CH
Acq On : 16 May 2025 9:44
Operator : YP/AJ
Sample : VBF0516S2 50X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0516S2

Integration File: Calibration.e
Quant Time: May 16 23:11:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
System Monitoring Compounds				
5) s	AAA-TFT	8.797	452323	19.724 ng/ml
Target Compounds				

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

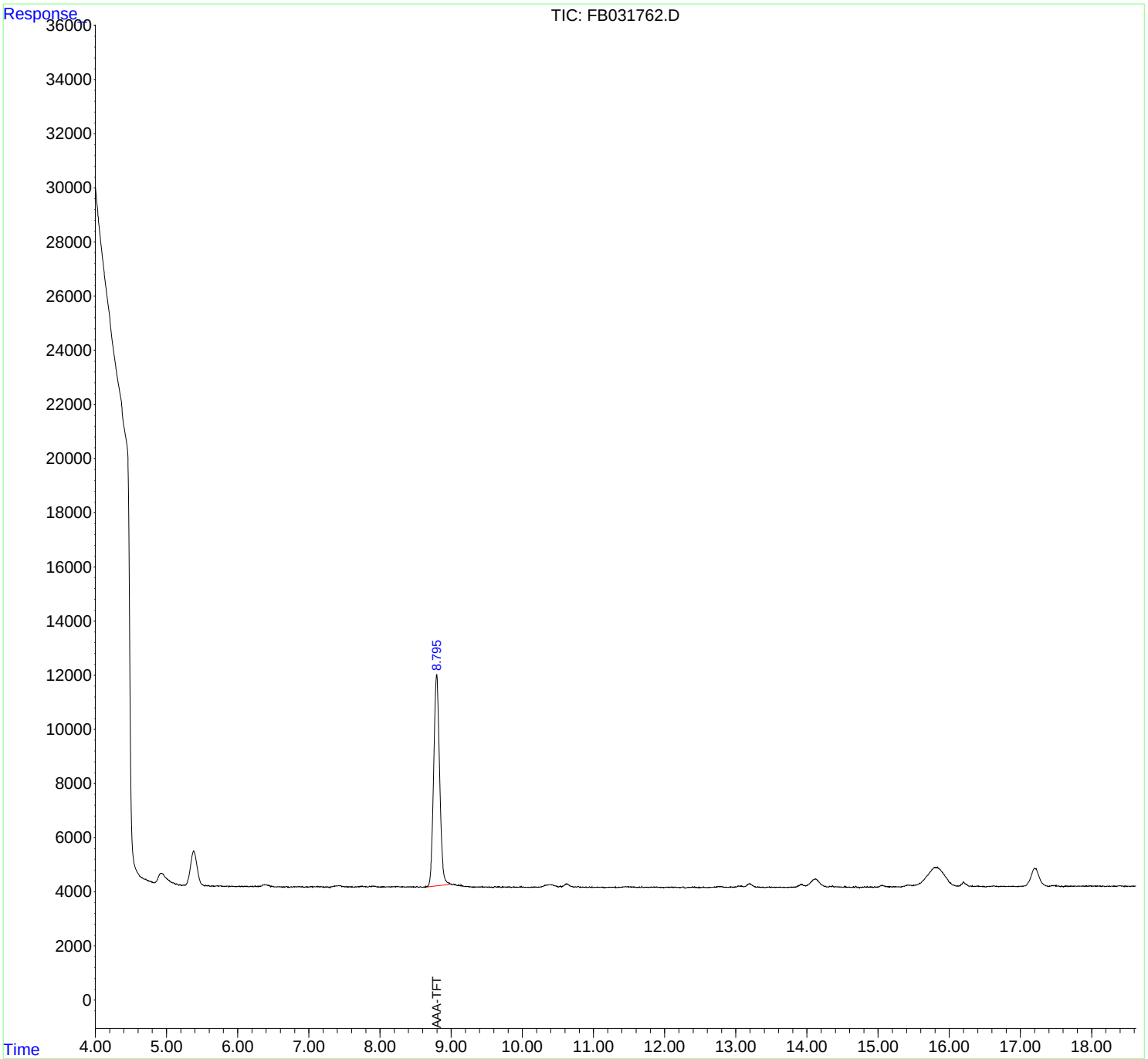
Quantitation Report (QT Reviewed)

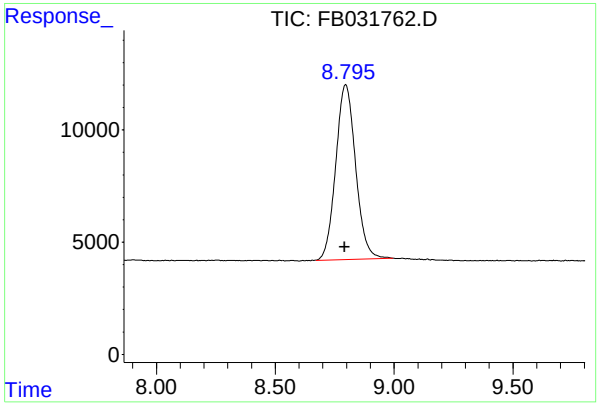
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051625\
Data File : FB031762.D
Signal(s) : FID2B.CH
Acq On : 16 May 2025 9:44
Operator : YP/AJ
Sample : VBF0516S2 50X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0516S2

Integration File: Calibration.e
Quant Time: May 16 23:11:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#5 AAA-TFT

R.T.: 8.797 min
Delta R.T.: 0.005 mi
Response: 452323
Conc: 19.72 ng/m

Instrument :
FID_B
ClientSampleId :
VBF0516S2

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051625\
Data File : FB031762.D
Signal(s) : FID2B.CH
Acq On : 16 May 2025 9:44
Sample : VBF0516S2 50X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	8.797	8.672	8.996	VV	7804	452323	100.00%	100.000%

Sum of corrected areas: 452323

FB042325.M Sat May 17 00:16:38 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:	BSF0514W1	SDG No.:	Q2032
Lab Sample ID:	BSF0514W1	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
FB031744.D	1	05/14/25 14:40	FB051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
GRO	GRO	204		6.00	45.0	ug/L
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	18.1		50 - 150	90%	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\FB051425\
Data File : FB031744.D
Signal(s) : FID2B.CH
Acq On : 14 May 2025 14:40
Operator : YP/AJ
Sample : BSF0514W1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0514W1

Integration File: Calibration.e
Quant Time: May 15 04:29:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
5) s	AAA-TFT	8.793	415127	18.102	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.725	962676	43.322	ng/ml
2) t	2,2,4-Trimethylpentane	7.425	1208629	35.383	ng/ml
3) t	n-Heptane	7.756	384148	12.489	ng/ml
4) t	Benzene	7.896	454913	11.125	ng/ml
6) t	Toluene	10.623	1292881	32.450	ng/ml
7) t	Ethylbenzene	13.060	373041	10.439	ng/ml
8) t	m-Xylene	13.193	830546	21.257	ng/ml
9) t	O-Xylene	13.921	770445	20.911	ng/ml
10) t	1,2,4-Trimethylbenzene	16.196	532382	19.737	ng/ml

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

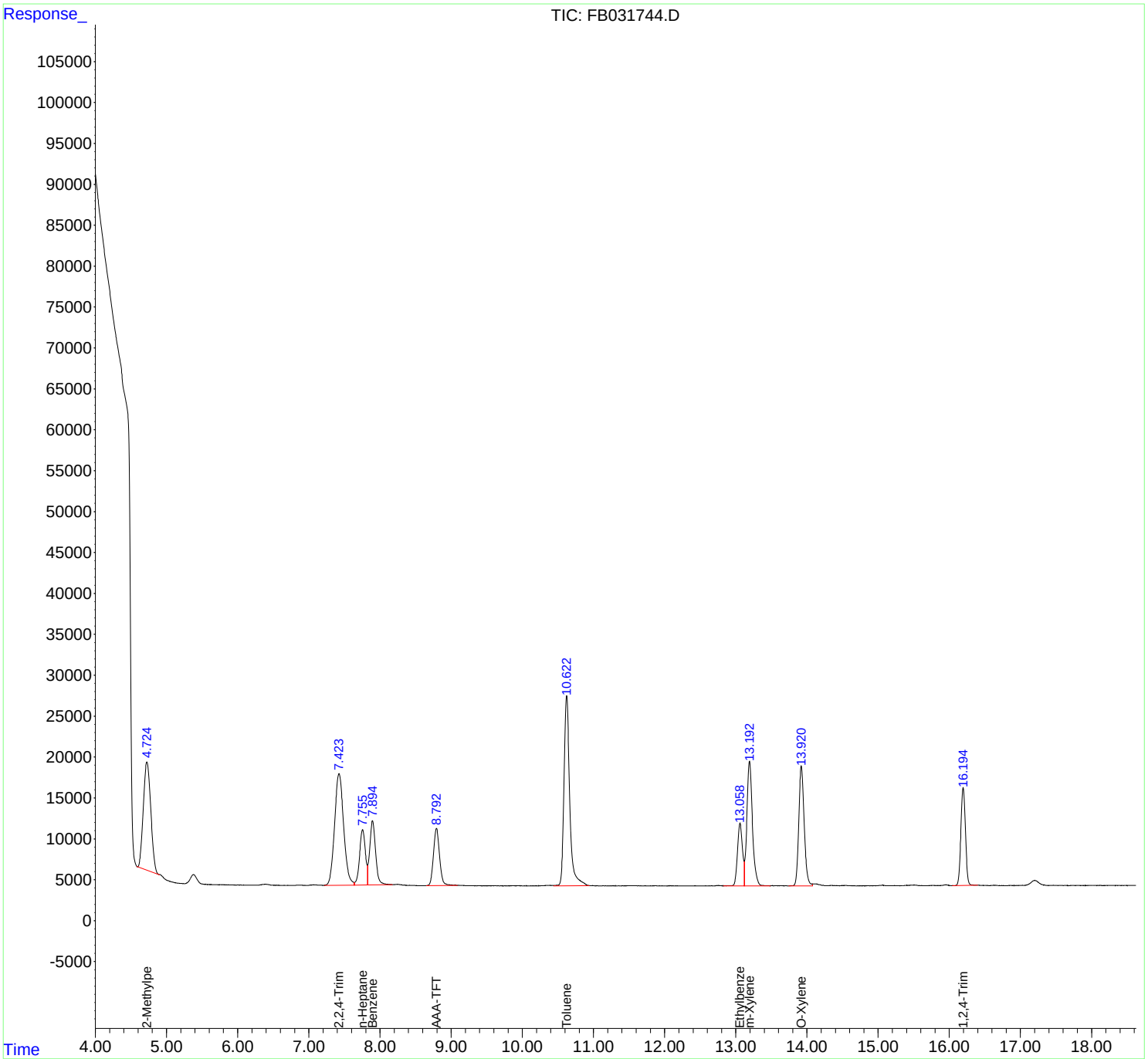
Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051425\
Data File : FB031744.D
Signal(s) : FID2B.CH
Acq On : 14 May 2025 14:40
Operator : YP/AJ
Sample : BSF0514W1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0514W1

Integration File: Calibration.e
Quant Time: May 15 04:29:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051425\
Data File : FB031744.D
Signal(s) : FID2B.CH
Acq On : 14 May 2025 14:40
Sample : BSF0514W1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.725	4.582	4.900	BV	13227	962676	74.46%	13.325%
2	7.425	7.214	7.640	PV	13631	1208629	93.48%	16.729%
3	7.756	7.640	7.825	VV	6756	384148	29.71%	5.317%
4	7.896	7.825	8.178	VV	7858	454913	35.19%	6.297%
5	8.793	8.648	9.091	VV	6996	415127	32.11%	5.746%
6	10.623	10.440	10.944	VV	23243	1292881	100.00%	17.895%
7	13.060	12.820	13.120	BV	7686	373041	28.85%	5.163%
8	13.193	13.120	13.488	VV	15241	830546	64.24%	11.496%
9	13.921	13.742	14.078	BV	14662	770445	59.59%	10.664%
10	16.196	16.041	16.403	PBA	11948	532382	41.18%	7.369%

Sum of corrected areas: 7224787

FB042325.M Thu May 15 04:50:06 2025

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	BSF0515S1	SDG No.:	Q2032
Lab Sample ID:	BSF0515S1	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
FB031751.D	1	05/15/25 12:58	FB051525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	202		8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	20.0		50 - 150	100%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051525\
Data File : FB031751.D
Signal(s) : FID2B.CH
Acq On : 15 May 2025 12:58
Operator : YP/AJ
Sample : BSF0515S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0515S1

Integration File: Calibration.e
Quant Time: May 16 02:33:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 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	458628	19.999	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.731	1077122	48.473	ng/ml
2) t	2,2,4-Trimethylpentane	7.430	1180065	34.547	ng/ml
3) t	n-Heptane	7.759	382907	12.449	ng/ml
4) t	Benzene	7.900	451204	11.034	ng/ml
6) t	Toluene	10.627	1265728	31.769	ng/ml
7) t	Ethylbenzene	13.064	358911	10.044	ng/ml
8) t	m-Xylene	13.197	800665	20.492	ng/ml
9) t	O-Xylene	13.926	754924	20.490	ng/ml
10) t	1,2,4-Trimethylbenzene	16.200	482223	17.877	ng/ml

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

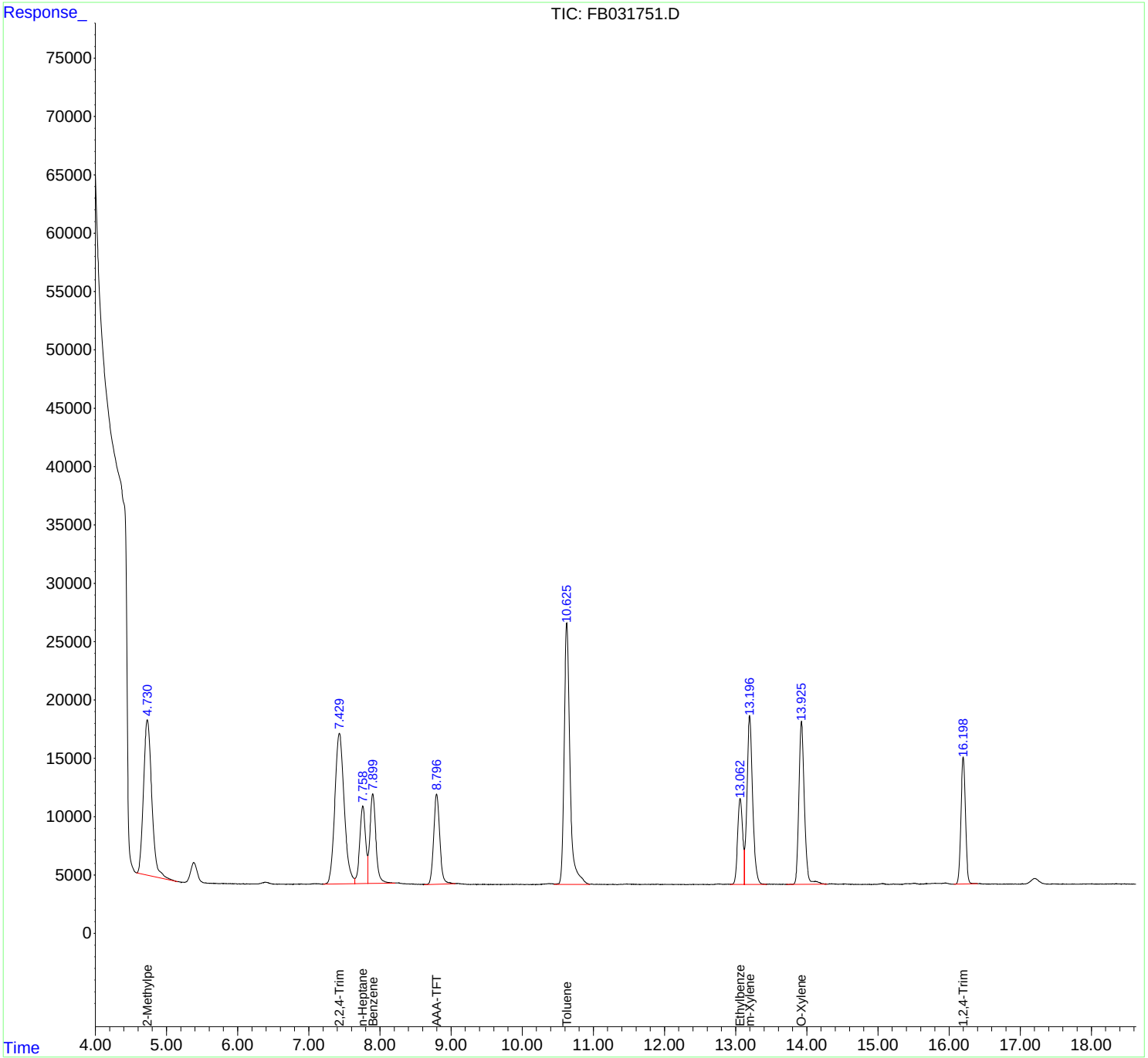
Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051525\
Data File : FB031751.D
Signal(s) : FID2B.CH
Acq On : 15 May 2025 12:58
Operator : YP/AJ
Sample : BSF0515S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0515S1

Integration File: Calibration.e
Quant Time: May 16 02:33:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 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\FB051525\
Data File : FB031751.D
Signal(s) : FID2B.CH
Acq On : 15 May 2025 12:58
Sample : BSF0515S1
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\FB042325.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.731	4.576	5.157	BV	13316	1077122	85.10%	14.934%
2	7.430	7.201	7.646	PV	12913	1180065	93.23%	16.362%
3	7.759	7.646	7.829	VV	6645	382907	30.25%	5.309%
4	7.900	7.829	8.214	VV	7681	451204	35.65%	6.256%
5	8.798	8.618	9.062	PV	7718	458628	36.23%	6.359%
6	10.627	10.449	10.951	VV	22398	1265728	100.00%	17.549%
7	13.064	12.926	13.123	BV	7359	358911	28.36%	4.976%
8	13.197	13.123	13.436	VV	14465	800665	63.26%	11.101%
9	13.926	13.708	14.287	BV	13981	754924	59.64%	10.467%
10	16.200	16.063	16.403	PBA	10898	482223	38.10%	6.686%

Sum of corrected areas: 7212376

FB042325.M Fri May 16 03:04:34 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:	BSF0516S1	SDG No.:	Q2032
Lab Sample ID:	BSF0516S1	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
FB031763.D	1	05/16/25 10:12	FB051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	172		8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	23.1		50 - 150	116%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051625\
Data File : FB031763.D
Signal(s) : FID2B.CH
Acq On : 16 May 2025 10:12
Operator : YP/AJ
Sample : BSF0516S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0516S1

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/19/2025
Supervised By :mohammad ahmed 05/20/2025

Integration File: Calibration.e
Quant Time: May 16 23:11:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 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	530783	23.145	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.727	811134	36.503	ng/mlm
2) t	2,2,4-Trimethylpentane	7.429	1018401	29.814	ng/ml
3) t	n-Heptane	7.760	332313	10.804	ng/ml
4) t	Benzene	7.899	393105	9.613	ng/ml
6) t	Toluene	10.626	1097884	27.556	ng/ml
7) t	Ethylbenzene	13.063	314706	8.807	ng/ml
8) t	m-Xylene	13.196	700882	17.938	ng/ml
9) t	O-Xylene	13.923	650463	17.655	ng/mlm
10) t	1,2,4-Trimethylbenzene	16.199	452643	16.780	ng/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051625\
Data File : FB031763.D
Signal(s) : FID2B.CH
Acq On : 16 May 2025 10:12
Operator : YP/AJ
Sample : BSF0516S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

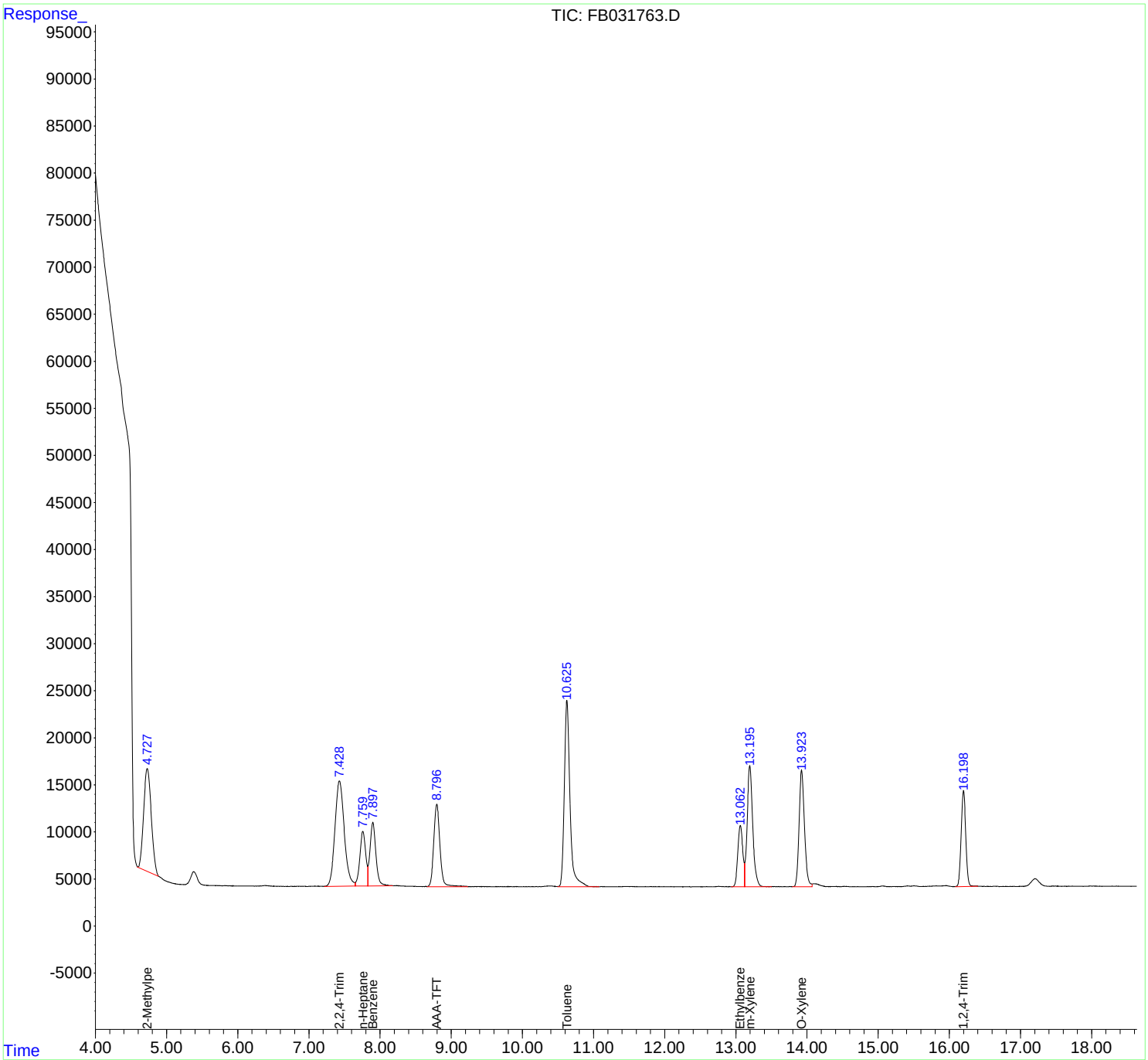
Integration File: Calibration.e
Quant Time: May 16 23:11:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_B
ClientSampleId :
BSF0516S1

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/19/2025
Supervised By :mohammad ahmed 05/20/2025



Instrument :
FID_B
ClientSampleId :
BSF0516S1

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 05/19/2025
Supervised By :mohammad ahmed 05/20/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB05162
Data File : FB031763.D
Signal(s) : FID2B.CH
Acq On : 16 May 2025 10:12
Sample : BSF0516S1
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\FB042325.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.729	4.587	5.156	BV	10873	785197	71.52%	12.514%
2	7.429	7.214	7.652	PV	11195	1018401	92.76%	16.231%
3	7.760	7.652	7.828	VV	5820	332313	30.27%	5.296%
4	7.899	7.828	8.181	VV	6754	393105	35.81%	6.265%
5	8.798	8.661	9.235	PV	8757	530783	48.35%	8.459%
6	10.626	10.496	11.081	VV	19820	1097884	100.00%	17.498%
7	13.063	12.931	13.123	PV	6514	314706	28.66%	5.016%
8	13.196	13.123	13.505	VB	12869	700882	63.84%	11.170%
9	13.925	13.616	14.070	BV	12368	648606	59.08%	10.337%
10	16.199	16.085	16.401	BBA	10172	452643	41.23%	7.214%

Sum of corrected areas: 6274520

FB042325.M Sat May 17 00:17:17 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:	BSF0514W2	SDG No.:	Q2032
Lab Sample ID:	BSF0514W2	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
FB031746.D	1	05/14/25 15:35	FB051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
GRO	GRO	190		6.00	45.0	ug/L
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	17.7		50 - 150	88%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051425\
Data File : FB031746.D
Signal(s) : FID2B.CH
Acq On : 14 May 2025 15:35
Operator : YP/AJ
Sample : BSF0514W2
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0514W2

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/16/2025
Supervised By :mohammad ahmed 05/19/2025

Integration File: Calibration.e
Quant Time: May 15 04:30:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 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	405438	17.679	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.727	932518	41.965	ng/mlm
2) t	2,2,4-Trimethylpentane	7.427	1123275	32.884	ng/ml
3) t	n-Heptane	7.758	362857	11.797	ng/ml
4) t	Benzene	7.898	421818	10.315	ng/ml
6) t	Toluene	10.625	1181186	29.647	ng/ml
7) t	Ethylbenzene	13.061	342033	9.572	ng/ml
8) t	m-Xylene	13.194	758068	19.402	ng/ml
9) t	O-Xylene	13.922	702423	19.065	ng/ml
10) t	1,2,4-Trimethylbenzene	16.197	474239	17.581	ng/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051425\
Data File : FB031746.D
Signal(s) : FID2B.CH
Acq On : 14 May 2025 15:35
Operator : YP/AJ
Sample : BSF0514W2
Misc :
ALS Vial : 13 Sample Multiplier: 1

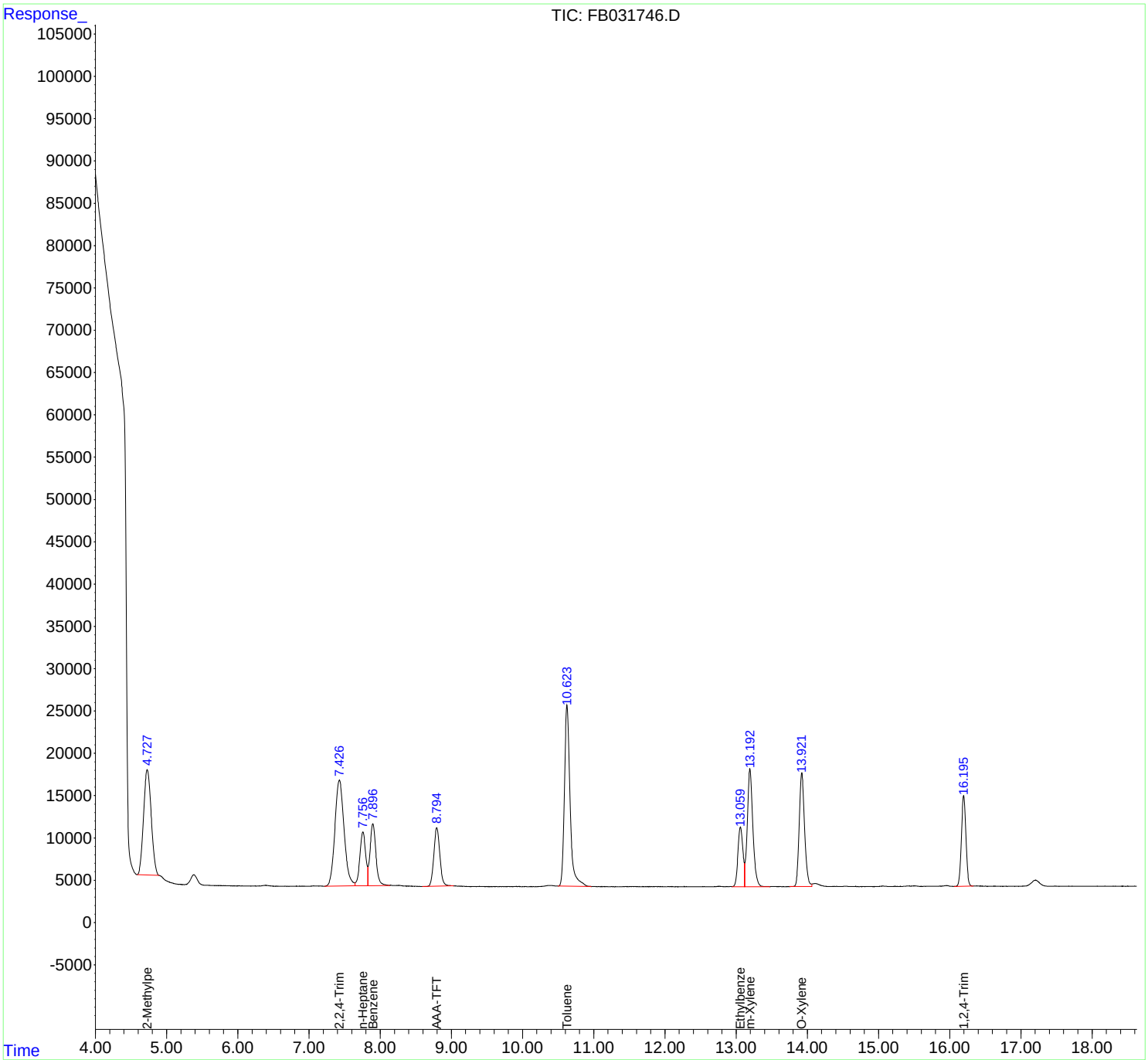
Integration File: Calibration.e
Quant Time: May 15 04:30:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_B
ClientSampleId :
BSF0514W2

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/16/2025
Supervised By :mohammad ahmed 05/19/2025



Instrument :
FID_B
ClientSampleId :
BSF0514W2

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 05/16/2025
Supervised By :mohammad ahmed 05/19/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB05142
Data File : FB031746.D
Signal(s) : FID2B.CH
Acq On : 14 May 2025 15:35
Sample : BSF0514W2
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.728	4.582	5.175	BV	12697	1000344	84.69%	14.772%
2	7.427	7.218	7.646	BV	12526	1123275	95.10%	16.588%
3	7.758	7.646	7.827	VV	6361	362857	30.72%	5.358%
4	7.898	7.827	8.139	VV	7326	421818	35.71%	6.229%
5	8.796	8.589	9.027	PV	6935	405438	34.32%	5.987%
6	10.625	10.494	10.964	BV	21388	1181186	100.00%	17.443%
7	13.061	12.940	13.121	VV	7048	342033	28.96%	5.051%
8	13.194	13.121	13.477	VV	13956	758068	64.18%	11.195%
9	13.922	13.753	14.065	BV	13454	702423	59.47%	10.373%
10	16.197	16.060	16.336	PV	10720	474239	40.15%	7.003%

Sum of corrected areas: 6771681

FB042325.M Thu May 15 04:50:29 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:	BSF0516S2	SDG No.:	Q2032
Lab Sample ID:	BSF0516S2	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
FB031770.D	1	05/16/25 14:24	FB051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	202		8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	18.3		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\FB051625\
Data File : FB031770.D
Signal(s) : FID2B.CH
Acq On : 16 May 2025 14:24
Operator : YP/AJ
Sample : BSF0516S2
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0516S2

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/19/2025
Supervised By :mohammad ahmed 05/20/2025

Integration File: Calibration.e
Quant Time: May 16 23:12:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
5) s	AAA-TFT	8.800	419039	18.272	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.730	968695	43.593	ng/mlm
2) t	2,2,4-Trimethylpentane	7.433	1186178	34.726	ng/ml
3) t	n-Heptane	7.761	387756	12.607	ng/ml
4) t	Benzene	7.901	457794	11.195	ng/ml
6) t	Toluene	10.629	1279033	32.103	ng/ml
7) t	Ethylbenzene	13.065	365357	10.224	ng/ml
8) t	m-Xylene	13.199	815606	20.874	ng/ml
9) t	O-Xylene	13.927	759490	20.614	ng/ml
10) t	1,2,4-Trimethylbenzene	16.202	513645	19.042	ng/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051625\
Data File : FB031770.D
Signal(s) : FID2B.CH
Acq On : 16 May 2025 14:24
Operator : YP/AJ
Sample : BSF0516S2
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 13 Sample Multiplier: 1

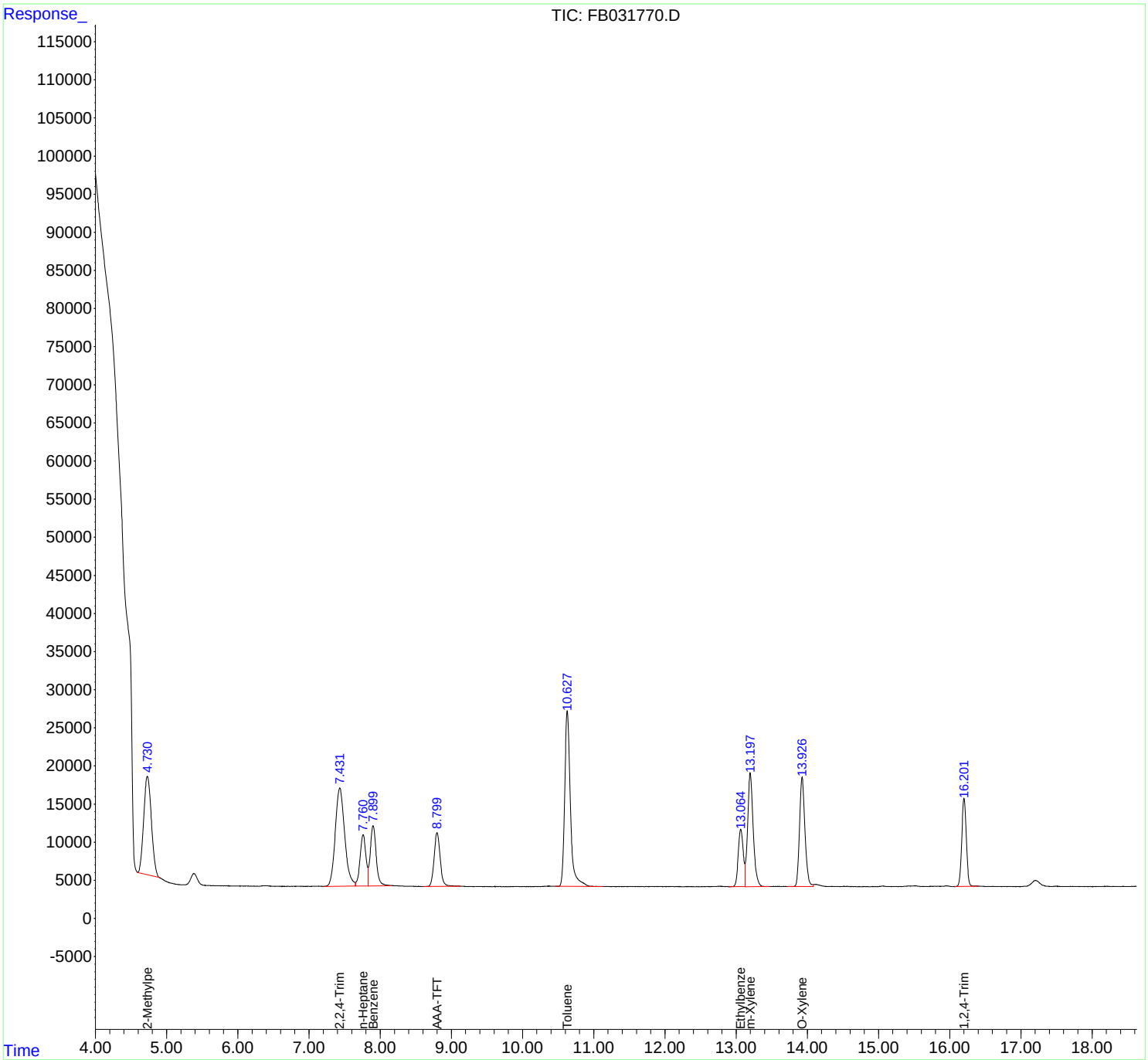
Integration File: Calibration.e
Quant Time: May 16 23:12:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_B
ClientSampleId :
BSF0516S2

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/19/2025
Supervised By :mohammad ahmed 05/20/2025



rteres

Instrument :
FID_B
ClientSampleId :
BSF0516S2

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 05/19/2025
Supervised By :mohammad ahmed 05/20/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB05162
Data File : FB031770.D
Signal(s) : FID2B.CH
Acq On : 16 May 2025 14:24
Sample : BSF0516S2
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\FB042325.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.731	4.587	5.172	BV	12981	974536	76.19%	13.614%
2	7.433	7.201	7.652	PV	12891	1186178	92.74%	16.570%
3	7.761	7.652	7.831	VV	6728	387756	30.32%	5.417%
4	7.901	7.831	8.161	VV	7902	457794	35.79%	6.395%
5	8.800	8.601	9.132	BV	7056	419039	32.76%	5.854%
6	10.629	10.455	11.134	BB	22987	1279033	100.00%	17.868%
7	13.065	12.896	13.125	BV	7531	365357	28.57%	5.104%
8	13.199	13.125	13.474	VV	14911	815606	63.77%	11.394%
9	13.927	13.719	14.084	VV	14390	759490	59.38%	10.610%
10	16.202	16.069	16.403	PBA	11570	513645	40.16%	7.175%

Sum of corrected areas: 7158434

FB042325.M Sat May 17 00:17:58 2025

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/13/25
Project:	South River WM Replacement	Date Received:	05/13/25
Client Sample ID:	TP-24MS	SDG No.:	Q2032
Lab Sample ID:	Q2032-05MS	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	74.2 Decanted:
Sample Wt/Vol:	6.45 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
FB031754.D	1	05/15/25 14:22	FB051525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	192		9.00	47.0	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\FB051525\
Data File : FB031754.D
Signal(s) : FID2B.CH
Acq On : 15 May 2025 14:22
Operator : YP/AJ
Sample : Q2032-05MS
Misc : 6.45G/5.00 ML DI WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-24MS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/16/2025
Supervised By :mohammad ahmed 05/19/2025

Integration File: Calibration.e
Quant Time: May 16 02:33:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 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	374216	16.318	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.713	1074816	48.369	ng/mlm
2) t	2,2,4-Trimethylpentane	7.429	968139	28.342	ng/ml
3) t	n-Heptane	7.756	333895	10.856	ng/ml
4) t	Benzene	7.897	399548	9.771	ng/ml
6) t	Toluene	10.627	1314500	32.993	ng/ml
7) t	Ethylbenzene	13.066	317216	8.877	ng/ml
8) t	m-Xylene	13.200	694793	17.782	ng/ml
9) t	O-Xylene	13.929	649556	17.630	ng/ml
10) t	1,2,4-Trimethylbenzene	16.202	395359	14.657	ng/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051525\
Data File : FB031754.D
Signal(s) : FID2B.CH
Acq On : 15 May 2025 14:22
Operator : YP/AJ
Sample : Q2032-05MS
Misc : 6.45G/5.00 ML DI WATER
ALS Vial : 7 Sample Multiplier: 1

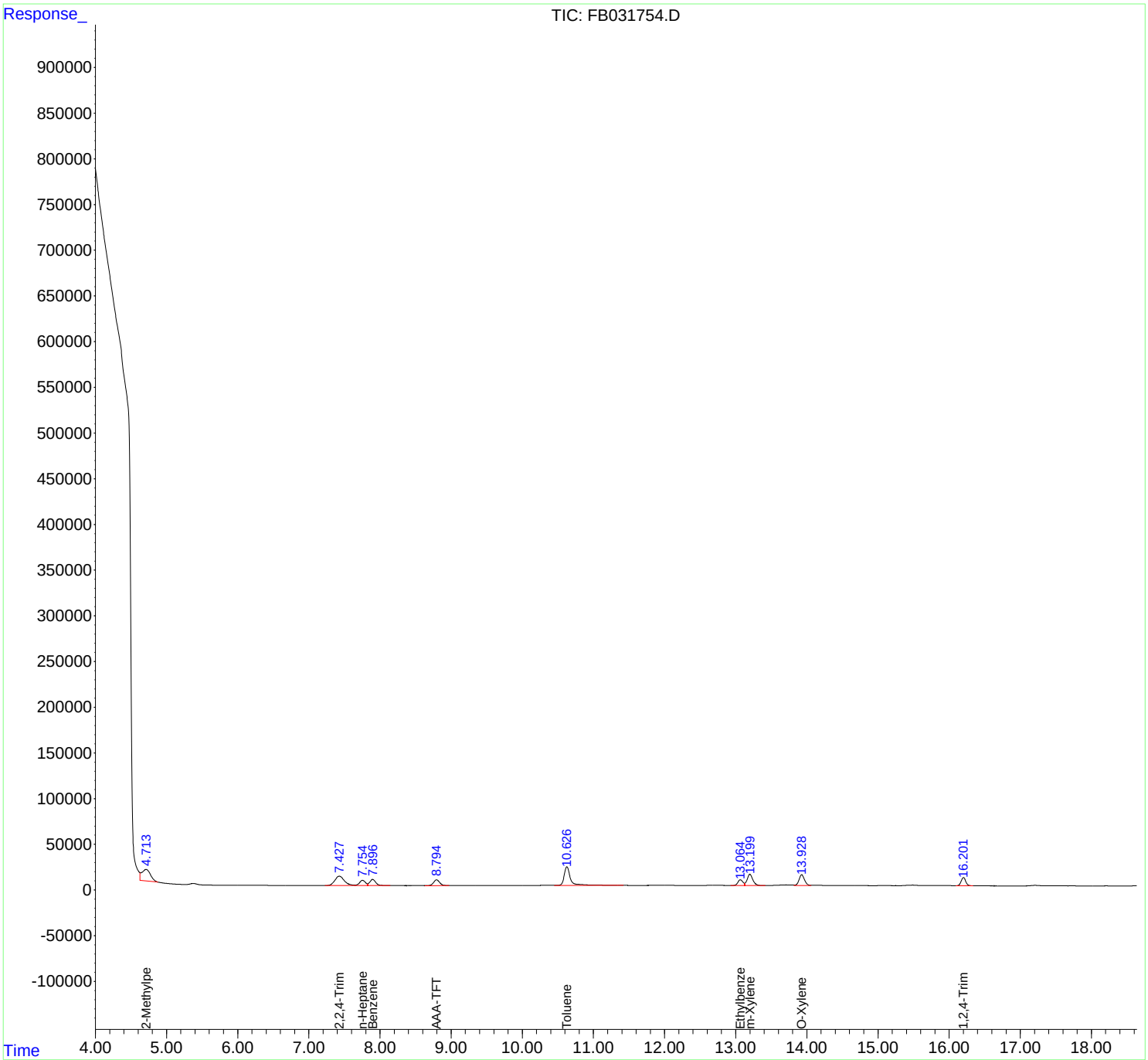
Integration File: Calibration.e
Quant Time: May 16 02:33:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_B
ClientSampleId :
TP-24MS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/16/2025
Supervised By :mohammad ahmed 05/19/2025



Instrument :
FID_B
ClientSampleId :
TP-24MS

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 05/16/2025
Supervised By :mohammad ahmed 05/19/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB05152
Data File : FB031754.D
Signal(s) : FID2B.CH
Acq On : 15 May 2025 14:22
Sample : Q2032-05MS
Misc : 6.45G/5.00 ML DI WATER
ALS Vial : 7 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	5.675	5.670	5.757	PV	10	89	0.01%	0.001%
2	5.764	5.757	5.918	PV	16	596	0.04%	0.009%
3	5.928	5.918	5.955	PV	24	257	0.02%	0.004%
4	5.974	5.955	5.984	PV	29	308	0.02%	0.005%
5	5.996	5.984	6.005	VV	31	342	0.02%	0.005%
6	6.044	6.005	6.069	VV	52	1536	0.11%	0.024%
7	6.079	6.069	6.092	VV	59	601	0.04%	0.009%
8	6.118	6.092	6.129	VV	68	1032	0.07%	0.016%
9	6.163	6.129	6.185	VV	99	2790	0.20%	0.043%
10	6.193	6.185	6.210	VV	114	1641	0.12%	0.025%
11	6.215	6.210	6.321	VV	119	4595	0.32%	0.071%
12	6.385	6.321	6.469	VV	129	8204	0.58%	0.126%
13	6.478	6.469	6.492	VV	41	435	0.03%	0.007%
14	6.501	6.492	6.509	VV	30	222	0.02%	0.003%
15	6.516	6.509	6.538	VV	25	259	0.02%	0.004%
16	6.547	6.538	6.575	PV	23	209	0.01%	0.003%
17	6.583	6.575	6.599	VV	15	118	0.01%	0.002%
18	6.610	6.599	6.627	PV	18	141	0.01%	0.002%
19	6.642	6.627	6.678	VV	19	469	0.03%	0.007%
20	6.687	6.678	6.697	VV	24	226	0.02%	0.003%
21	6.720	6.697	6.733	VV	41	628	0.04%	0.010%
22	6.762	6.733	6.769	VV	40	632	0.04%	0.010%
23	6.777	6.769	6.789	VV	54	356	0.03%	0.005%
24	6.807	6.789	6.816	PV	31	334	0.02%	0.005%
25	6.848	6.816	6.879	VV	48	1628	0.11%	0.025%
26	6.906	6.879	6.951	VV	65	1823	0.13%	0.028%
27	6.960	6.951	6.990	VV	29	604	0.04%	0.009%
28	7.095	6.990	7.109	VV	83	4311	0.30%	0.066%
29	7.120	7.109	7.128	VV	77	852	0.06%	0.013%
30	7.139	7.128	7.198	VV	87	2797	0.20%	0.043%
31	7.205	7.198	7.217	VV	52	453	0.03%	0.007%
32	7.429	7.217	7.652	VV	10334	978241	68.94%	15.022%
33	7.755	7.652	7.826	VV	5809	337297	23.77%	5.179%
34	7.897	7.826	8.189	VV	6879	407813	28.74%	6.262%
35	8.233	8.189	8.356	VV	55	3130	0.22%	0.048%
36	8.479	8.356	8.500	PV	44	1356	0.10%	0.021%

Instrument :
FID_B
ClientSampleId :
TP-24MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 05/16/2025
Supervised By :mohammad ahmed 05/19/2025

rteres

37	8.528	8.500	8.631	VV	37	2122	0.15%	0.033%
38	8.796	8.631	9.039	PV	6418	388825	27	
39	9.056	9.039	9.124	VV	86	3964	0	
40	9.151	9.124	9.205	VV	79	2729	0	
41	9.226	9.205	9.241	VV	46	773	0	
42	9.252	9.241	9.277	VV	32	696	0	
43	9.288	9.277	9.301	VV	42	501	0.04%	0.008%
44	9.384	9.301	9.461	VV	88	5611	0.40%	0.086%
45	9.472	9.461	9.547	VV	58	1679	0.12%	0.026%
46	9.650	9.547	9.684	VV	51	2569	0.18%	0.039%
47	9.703	9.684	9.801	VV	45	1584	0.11%	0.024%
48	10.432	10.118	10.452	BV	297	32615	2.30%	0.501%
49	10.627	10.452	11.663	VV	20536	1418943	100.00%	21.789%
50	11.878	11.663	11.963	VV	331	44526	3.14%	0.684%
51	11.983	11.963	11.997	VV	331	6397	0.45%	0.098%
52	12.014	11.997	12.030	VV	330	6505	0.46%	0.100%
53	12.059	12.030	12.278	VV	339	35798	2.52%	0.550%
54	12.339	12.278	12.353	VV	176	7095	0.50%	0.109%
55	12.385	12.353	12.400	VV	175	4757	0.34%	0.073%
56	12.550	12.400	12.567	VV	274	21643	1.53%	0.332%
57	12.654	12.567	12.671	VV	328	18307	1.29%	0.281%
58	12.756	12.671	12.948	VV	408	51595	3.64%	0.792%
59	13.066	12.948	13.126	VV	6481	328338	23.14%	5.042%
60	13.200	13.126	13.444	VV	12670	717277	50.55%	11.014%
61	13.714	13.444	13.821	VV	928	138731	9.78%	2.130%
62	13.929	13.821	14.059	VV	12208	673231	47.45%	10.338%
63	14.119	14.059	14.358	VV	600	72148	5.08%	1.108%
64	14.386	14.358	14.409	VV	216	6410	0.45%	0.098%
65	14.545	14.409	14.605	VV	298	29631	2.09%	0.455%
66	14.696	14.605	14.938	VV	312	48375	3.41%	0.743%
67	14.959	14.938	14.979	VV	176	4086	0.29%	0.063%
68	15.060	14.979	15.299	VV	327	43920	3.10%	0.674%
69	15.490	15.299	15.711	VV	806	108792	7.67%	1.671%
70	15.808	15.711	15.873	VV	340	29117	2.05%	0.447%
71	15.957	15.873	16.092	VV	366	38802	2.73%	0.596%
72	16.202	16.092	16.348	VV	9146	423509	29.85%	6.503%
73	16.388	16.348	16.482	VV	227	12747	0.90%	0.196%
74	16.526	16.482	16.735	VV	111	7851	0.55%	0.121%
75	16.817	16.735	16.867	PV	45	2106	0.15%	0.032%
76	16.883	16.867	16.901	VV	32	589	0.04%	0.009%
77	16.912	16.901	16.970	VV	35	969	0.07%	0.015%

Sum of corrected areas: 6512188

FB042325.M Fri May 16 03:09:07 2025

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/13/25
Project:	South River WM Replacement	Date Received:	05/13/25
Client Sample ID:	TP-24MSD	SDG No.:	Q2032
Lab Sample ID:	Q2032-06MSD	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	74.2 Decanted:
Sample Wt/Vol:	5.87 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
FB031755.D	1	05/15/25 14:50	FB051525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	179		9.00	52.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	19.7		50 - 150	98%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051525\
Data File : FB031755.D
Signal(s) : FID2B.CH
Acq On : 15 May 2025 14:50
Operator : YP/AJ
Sample : Q2032-06MSD
Misc : 5.87G/5.00 ML DI WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-24MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/16/2025
Supervised By :mohammad ahmed 05/19/2025

Integration File: Calibration.e
Quant Time: May 16 02:33:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 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	451142	19.672	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.720	944575	42.508	ng/mlm
2) t	2,2,4-Trimethylpentane	7.430	985993	28.865	ng/ml
3) t	n-Heptane	7.757	326465	10.614	ng/ml
4) t	Benzene	7.898	400491	9.794	ng/ml
6) t	Toluene	10.627	1117126	28.039	ng/ml
7) t	Ethylbenzene	13.065	317604	8.888	ng/ml
8) t	m-Xylene	13.199	703902	18.016	ng/ml
9) t	O-Xylene	13.928	662798	17.990	ng/ml
10) t	1,2,4-Trimethylbenzene	16.202	415878	15.417	ng/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051525\
Data File : FB031755.D
Signal(s) : FID2B.CH
Acq On : 15 May 2025 14:50
Operator : YP/AJ
Sample : Q2032-06MSD
Misc : 5.87G/5.00 ML DI WATER
ALS Vial : 8 Sample Multiplier: 1

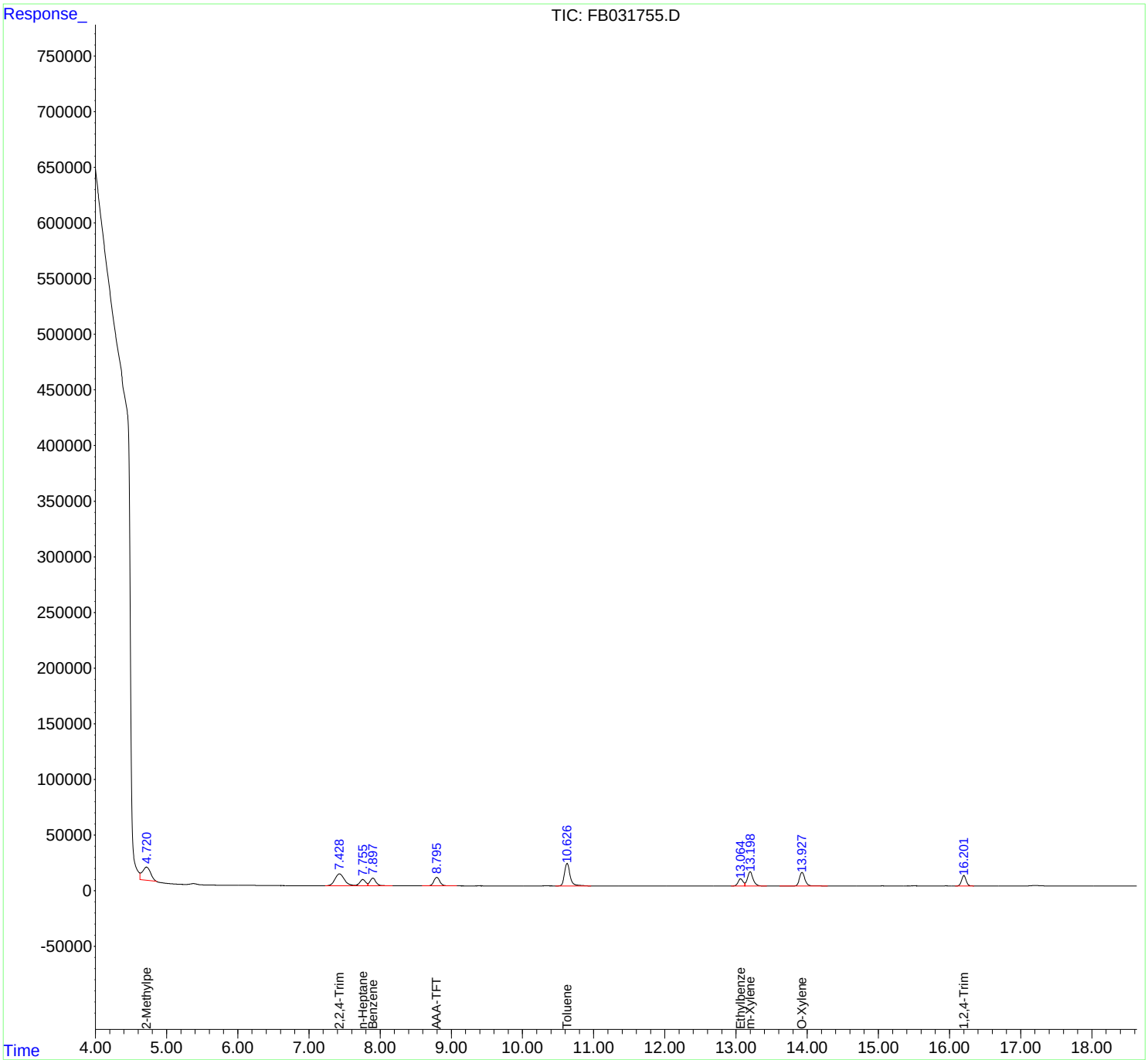
Integration File: Calibration.e
Quant Time: May 16 02:33:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_B
ClientSampleId :
TP-24MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/16/2025
Supervised By :mohammad ahmed 05/19/2025



Instrument :
FID_B
ClientSampleId :
TP-24MSD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 05/16/2025
Supervised By :mohammad ahmed 05/19/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB05152
Data File : FB031755.D
Signal(s) : FID2B.CH
Acq On : 15 May 2025 14:50
Sample : Q2032-06MSD
Misc : 5.87G/5.00 ML DI WATER
ALS Vial : 8 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	5.376	5.270	5.647	PV	954	55460	4.90%	0.980%
2	5.655	5.647	6.003	PV	12	-5047	-0.45%	-0.089%
3	6.028	6.003	6.047	PV	34	531	0.05%	0.009%
4	6.054	6.047	6.118	VV	27	1053	0.09%	0.019%
5	6.190	6.118	6.292	VV	122	7304	0.65%	0.129%
6	6.298	6.292	6.313	VV	31	349	0.03%	0.006%
7	6.325	6.313	6.335	VV	39	496	0.04%	0.009%
8	6.386	6.335	6.495	VV	87	4573	0.40%	0.081%
9	6.503	6.495	6.539	VV	15	192	0.02%	0.003%
10	6.552	6.539	6.614	PV	10	68	0.01%	0.001%
11	6.625	6.614	6.641	PV	17	124	0.01%	0.002%
12	6.652	6.641	6.675	PV	10	102	0.01%	0.002%
13	6.682	6.675	6.704	VV	15	117	0.01%	0.002%
14	6.718	6.704	6.733	PV	15	144	0.01%	0.003%
15	6.740	6.733	6.764	VV	19	218	0.02%	0.004%
16	6.789	6.764	6.822	PV	17	314	0.03%	0.006%
17	6.845	6.822	6.861	VV	24	394	0.03%	0.007%
18	6.871	6.861	6.889	VV	35	419	0.04%	0.007%
19	6.905	6.889	6.933	VV	29	569	0.05%	0.010%
20	6.941	6.933	6.965	VV	30	258	0.02%	0.005%
21	6.976	6.965	6.984	PV	17	77	0.01%	0.001%
22	7.001	6.984	7.023	PV	20	239	0.02%	0.004%
23	7.048	7.023	7.055	VV	38	419	0.04%	0.007%
24	7.068	7.055	7.099	VV	43	1002	0.09%	0.018%
25	7.112	7.099	7.121	VV	48	541	0.05%	0.010%
26	7.131	7.121	7.181	VV	45	1292	0.11%	0.023%
27	7.191	7.181	7.202	VV	27	296	0.03%	0.005%
28	7.212	7.202	7.227	VV	24	296	0.03%	0.005%
29	7.430	7.227	7.644	VV	10782	991915	87.72%	17.523%
30	7.757	7.644	7.827	VV	5716	330744	29.25%	5.843%
31	7.898	7.827	8.176	VV	6917	411567	36.40%	7.270%
32	8.191	8.176	8.214	VV	84	1502	0.13%	0.027%
33	8.244	8.214	8.349	VV	86	4020	0.36%	0.071%
34	8.361	8.349	8.428	VV	32	1064	0.09%	0.019%
35	8.463	8.428	8.620	VV	42	2686	0.24%	0.047%
36	8.796	8.620	9.081	PV	7679	460936	40.76%	8.143%

Instrument :
FID_B
ClientSampleId :
TP-24MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 05/16/2025
Supervised By :mohammad ahmed 05/19/2025

					rteres				
37	9.095	9.081	9.275	VV	76	4042	0.36%	0.071%
38	9.380	9.275	9.539	PV	68	5725		
39	9.547	9.539	9.561	VV	33	311		
40	9.637	9.561	9.689	VV	45	2337		
41	9.701	9.689	9.839	VV	33	1103		
42	9.862	9.839	9.878	VV	28	349		
43	9.889	9.878	9.932	VV	31	579	0.05%	0.010%
44	9.944	9.932	9.990	VV	23	428	0.04%	0.008%
45	10.015	9.990	10.050	VV	21	343	0.03%	0.006%
46	10.066	10.050	10.087	VV	9	132	0.01%	0.002%
47	10.099	10.087	10.109	PV	10	87	0.01%	0.002%
48	10.159	10.109	10.216	VV	19	922	0.08%	0.016%
49	10.332	10.216	10.485	VV	95	10648	0.94%	0.188%
50	10.627	10.485	10.969	VV	20336	1130795	100.00%	19.976%
51	10.982	10.969	11.036	VV	61	2034	0.18%	0.036%
52	11.062	11.036	11.095	VV	61	1547	0.14%	0.027%
53	11.128	11.095	11.165	VV	42	1541	0.14%	0.027%
54	11.178	11.165	11.209	VV	43	730	0.06%	0.013%
55	11.243	11.209	11.268	VV	28	691	0.06%	0.012%
56	11.296	11.268	11.323	VV	25	512	0.05%	0.009%
57	11.332	11.323	11.376	VV	26	524	0.05%	0.009%
58	11.442	11.376	11.464	PV	43	1403	0.12%	0.025%
59	11.508	11.464	11.526	VV	46	1438	0.13%	0.025%
60	11.537	11.526	11.588	VV	50	1376	0.12%	0.024%
61	11.602	11.588	11.681	VV	42	1447	0.13%	0.026%
62	11.738	11.681	11.765	VV	57	1702	0.15%	0.030%
63	11.779	11.765	11.813	VV	49	1128	0.10%	0.020%
64	11.880	11.813	11.974	VV	70	3902	0.35%	0.069%
65	12.047	11.974	12.063	VV	38	1232	0.11%	0.022%
66	12.100	12.063	12.205	VV	53	2350	0.21%	0.042%
67	12.222	12.205	12.240	VV	29	303	0.03%	0.005%
68	12.264	12.240	12.288	PV	18	282	0.02%	0.005%
69	12.310	12.288	12.347	VV	15	352	0.03%	0.006%
70	12.363	12.347	12.467	VV	22	593	0.05%	0.010%
71	12.486	12.467	12.531	PV	33	587	0.05%	0.010%
72	12.652	12.531	12.669	VV	30	1607	0.14%	0.028%
73	12.689	12.669	12.703	VV	36	601	0.05%	0.011%
74	12.765	12.703	12.862	VV	82	4554	0.40%	0.080%
75	12.910	12.862	12.929	VV	29	730	0.06%	0.013%
76	13.065	12.929	13.125	VV	6526	319974	28.30%	5.652%
77	13.199	13.125	13.441	VV	12840	708177	62.63%	12.510%
78	13.499	13.441	13.516	VV	43	1526	0.13%	0.027%
79	13.533	13.516	13.551	VV	58	866	0.08%	0.015%
80	13.589	13.551	13.636	VV	53	1776	0.16%	0.031%
81	13.680	13.636	13.694	VV	63	1331	0.12%	0.024%
82	13.709	13.694	13.722	VV	42	638	0.06%	0.011%
83	13.733	13.722	13.750	VV	39	638	0.06%	0.011%
84	13.928	13.750	14.291	VV	12269	670393	59.29%	11.843%
85	14.341	14.291	14.362	VV	44	1487	0.13%	0.026%
86	14.376	14.362	14.488	VV	54	2776	0.25%	0.049%
87	14.540	14.488	14.624	VV	64	2385	0.21%	0.042%
88	14.634	14.624	14.685	VV	27	534	0.05%	0.009%
89	14.728	14.685	14.747	VV	41	683	0.06%	0.012%

Instrument :
FID_B
ClientSampleId :
TP-24MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 05/16/2025
Supervised By :mohammad ahmed 05/19/2025

					rteres			
90	14.796	14.747	14.813	VV	20	419	0.04%	0.007%
91	14.861	14.813	14.875	VV	35	671		
92	14.886	14.875	14.917	VV	33	390		
93	15.060	14.917	15.158	VV	132	7638		
94	15.174	15.158	15.251	VV	42	1874		
95	15.266	15.251	15.286	VV	38	754		
96	15.296	15.286	15.347	VV	51	1072	0.09%	0.019%
97	15.508	15.347	15.625	VV	148	14317	1.27%	0.253%
98	15.833	15.625	15.868	VV	76	7345	0.65%	0.130%
99	15.942	15.868	16.059	VV	125	8534	0.75%	0.151%
100	16.202	16.059	16.345	VV	9459	424367	37.53%	7.497%
101	16.370	16.345	16.483	VV	102	5734	0.51%	0.101%
102	16.509	16.483	16.582	VV	44	2093	0.19%	0.037%
103	16.592	16.582	16.756	VV	36	2791	0.25%	0.049%
104	16.813	16.756	16.897	VV	35	1754	0.16%	0.031%
105	16.950	16.897	16.984	VV	19	654	0.06%	0.012%

Sum of corrected areas: 5660790

FB042325.M Fri May 16 03:09:33 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
50 GRO STD		FB031641.D	FB042325	2-Methylpentane	mohammad	4/26/2025 2:19:22 AM	Peak Integrated by Software incorrectly
100 GRO STD		FB031642.D	FB042325	2-Methylpentane	mohammad	4/26/2025 2:19:22 AM	Peak Integrated by Software incorrectly
FB042325GROICV		FB031643.D	FB042325	2-Methylpentane	mohammad	4/26/2025 2:19:22 AM	Peak Integrated by Software incorrectly

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
BSF0514S1		FB031738.D	FB051425	2-Methylpentane	mohammad	5/19/2025 2:35:24 AM	Peak Integrated by Software incorrectly
BSF0514W2		FB031746.D	FB051425	2-Methylpentane	mohammad	5/19/2025 2:35:24 AM	Peak Integrated by Software incorrectly

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
20 PPB GRO STD		FB031748.D	FB051525	2-Methylpentane	mohammad	5/19/2025 2:36:30 AM	Peak Integrated by Software incorrectly
Q2032-05MS		FB031754.D	FB051525	2-Methylpentane	mohammad	5/19/2025 2:36:30 AM	Peak Integrated by Software incorrectly
Q2032-06MSD		FB031755.D	FB051525	2-Methylpentane	mohammad	5/19/2025 2:36:30 AM	Peak Integrated by Software incorrectly
BSF0515S2		FB031757.D	FB051525	2-Methylpentane	mohammad	5/19/2025 2:36:30 AM	Peak Integrated by Software incorrectly

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
20 PPB GRO STD		FB031760.D	FB051625	O-Xylene			Peak Integrated by Software incorrectly
BSF0516S1		FB031763.D	FB051625	2-Methylpentane			Peak Integrated by Software incorrectly
BSF0516S1		FB031763.D	FB051625	O-Xylene			Peak Integrated by Software incorrectly
BSF0516S2		FB031770.D	FB051625	2-Methylpentane			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 # FB042325

Review By	yogesh	Review On	4/23/2025 1:56:12 PM		
Supervise By	mohammad	Supervise On	4/26/2025 2:19:22 AM		
SubDirectory	FB042325	HP Acquire Method		HP Processing Method	FB042325

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24485,PP24486,PP24487,PP24488,PP24489
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24111,PP24490
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	5 GRO STD	FB031638.D	23 Apr 2025 12:11	YP/AJ	Ok
2	10 GRO STD	FB031639.D	23 Apr 2025 12:38	YP/AJ	Ok
3	20 GRO STD	FB031640.D	23 Apr 2025 13:05	YP/AJ	Ok
4	50 GRO STD	FB031641.D	23 Apr 2025 13:32	YP/AJ	Ok,M
5	100 GRO STD	FB031642.D	23 Apr 2025 14:00	YP/AJ	Ok,M
6	FB042325GROICV	FB031643.D	23 Apr 2025 14:39	YP/AJ	Ok,M

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 # FB051425

Review By	yogesh	Review On	5/14/2025 11:41:14 AM		
Supervise By	mohammad	Supervise On	5/19/2025 2:35:24 AM		
SubDirectory	FB051425	HP Acquire Method		HP Processing Method	FB042325

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24485,PP24486,PP24487,PP24488,PP24489
CCC	PP24571,PP24572,PP24574
Internal Standard/PEM	
ICV/I.BLK	PP24111,PP24490
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	20 PPB GRO STD	FB031735.D	14 May 2025 9:26	YP/AJ	Ok
2	VBF0514S1	FB031736.D	14 May 2025 10:36	YP/AJ	Ok
3	VBF0514S2	FB031737.D	14 May 2025 11:04	YP/AJ	Ok
4	BSF0514S1	FB031738.D	14 May 2025 11:31	YP/AJ	Ok,M
5	Q1982-07	FB031739.D	14 May 2025 11:58	YP/AJ	Ok
6	Q2010-02	FB031740.D	14 May 2025 12:26	YP/AJ	Ok
7	BSF0514S2	FB031741.D	14 May 2025 12:53	YP/AJ	Ok
8	20 PPB GRO STD	FB031742.D	14 May 2025 13:20	YP/AJ	Ok
9	VBF0514W1	FB031743.D	14 May 2025 14:13	YP/AJ	Ok
10	BSF0514W1	FB031744.D	14 May 2025 14:40	YP/AJ	Ok
11	Q2032-11	FB031745.D	14 May 2025 15:07	YP/AJ	Ok
12	BSF0514W2	FB031746.D	14 May 2025 15:35	YP/AJ	Ok,M
13	20 PPB GRO STD	FB031747.D	14 May 2025 16:02	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 # FB051525

Review By	yogesh	Review On	5/15/2025 1:21:24 PM		
Supervise By	mohammad	Supervise On	5/19/2025 2:36:30 AM		
SubDirectory	FB051525	HP Acquire Method		HP Processing Method	FB042325

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24485,PP24486,PP24487,PP24488,PP24489
CCC	PP24577,PP24578,PP24579
Internal Standard/PEM	
ICV/I.BLK	PP24111,PP24490
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	20 PPB GRO STD	FB031748.D	15 May 2025 10:08	YP/AJ	Ok,M
2	VBF0515S1	FB031749.D	15 May 2025 12:03	YP/AJ	Ok
3	VBF0515S2	FB031750.D	15 May 2025 12:30	YP/AJ	Ok
4	BSF0515S1	FB031751.D	15 May 2025 12:58	YP/AJ	Ok
5	Q2032-04	FB031752.D	15 May 2025 13:26	YP/AJ	Ok
6	Q2032-01	FB031753.D	15 May 2025 13:54	YP/AJ	Dilution
7	Q2032-05MS	FB031754.D	15 May 2025 14:22	YP/AJ	Ok,M
8	Q2032-06MSD	FB031755.D	15 May 2025 14:50	YP/AJ	Ok,M
9	Q2032-02	FB031756.D	15 May 2025 15:40	YP/AJ	Ok
10	BSF0515S2	FB031757.D	15 May 2025 16:08	YP/AJ	Ok,M
11	20 PPB GRO STD	FB031758.D	15 May 2025 16:36	YP/AJ	Ok
12	Q2032-07	FB031759.D	15 May 2025 17:31	YP/AJ	Not 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 # FB051625

Review By	yogesh	Review On	5/16/2025 1:10:50 PM		
Supervise By		Supervise On			
SubDirectory	FB051625	HP Acquire Method		HP Processing Method	FB042325

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24485,PP24486,PP24487,PP24488,PP24489
CCC	PP24581,PP24582
Internal Standard/PEM	
ICV/I.BLK	PP24111,PP24490
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	20 PPB GRO STD	FB031760.D	16 May 2025 8:22	YP/AJ	Ok,NS
2	VBF0516S1	FB031761.D	16 May 2025 9:16	YP/AJ	Ok
3	VBF0516S2	FB031762.D	16 May 2025 9:44	YP/AJ	Ok
4	BSF0516S1	FB031763.D	16 May 2025 10:12	YP/AJ	Ok,NS
5	Q2032-07	FB031764.D	16 May 2025 10:40	YP/AJ	Ok
6	Q2032-08	FB031765.D	16 May 2025 11:08	YP/AJ	Ok
7	Q2032-03	FB031766.D	16 May 2025 11:35	YP/AJ	Not Ok
8	Q2032-01	FB031767.D	16 May 2025 13:01	YP/AJ	Dilution
9	Q2032-03	FB031768.D	16 May 2025 13:29	YP/AJ	Ok
10	Q2032-01	FB031769.D	16 May 2025 13:57	YP/AJ	Ok
11	BSF0516S2	FB031770.D	16 May 2025 14:24	YP/AJ	Ok,NS
12	20 PPB GRO STD	FB031771.D	16 May 2025 14:52	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 # FB042325

Review By	yogesh	Review On	4/23/2025 1:56:12 PM		
Supervise By	mohammad	Supervise On	4/26/2025 2:19:22 AM		
SubDirectory	FB042325	HP Acquire Method		HP Processing Method	FB042325

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24485,PP24486,PP24487,PP24488,PP24489
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24111,PP24490
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	5 GRO STD		FB031638.D	23 Apr 2025 12:11		YP/AJ	Ok
2	10 GRO STD		FB031639.D	23 Apr 2025 12:38		YP/AJ	Ok
3	20 GRO STD		FB031640.D	23 Apr 2025 13:05		YP/AJ	Ok
4	50 GRO STD		FB031641.D	23 Apr 2025 13:32		YP/AJ	Ok,M
5	100 GRO STD		FB031642.D	23 Apr 2025 14:00		YP/AJ	Ok,M
6	FB042325GROICV		FB031643.D	23 Apr 2025 14:39		YP/AJ	Ok,M

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 # FB051425

Review By	yogesh	Review On	5/14/2025 11:41:14 AM		
Supervise By	mohammad	Supervise On	5/19/2025 2:35:24 AM		
SubDirectory	FB051425	HP Acquire Method		HP Processing Method	FB042325

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24485,PP24486,PP24487,PP24488,PP24489
CCC	PP24571,PP24572,PP24574
Internal Standard/PEM	
ICV/I.BLK	PP24111,PP24490
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	20 PPB GRO STD		FB031735.D	14 May 2025 9:26		YP/AJ	Ok
2	VBF0514S1		FB031736.D	14 May 2025 10:36		YP/AJ	Ok
3	VBF0514S2		FB031737.D	14 May 2025 11:04		YP/AJ	Ok
4	BSF0514S1		FB031738.D	14 May 2025 11:31		YP/AJ	Ok,M
5	Q1982-07		FB031739.D	14 May 2025 11:58	Vial-C	YP/AJ	Ok
6	Q2010-02		FB031740.D	14 May 2025 12:26	Vial-C	YP/AJ	Ok
7	BSF0514S2		FB031741.D	14 May 2025 12:53		YP/AJ	Ok
8	20 PPB GRO STD		FB031742.D	14 May 2025 13:20		YP/AJ	Ok
9	VBF0514W1		FB031743.D	14 May 2025 14:13		YP/AJ	Ok
10	BSF0514W1		FB031744.D	14 May 2025 14:40		YP/AJ	Ok
11	Q2032-11		FB031745.D	14 May 2025 15:07	Vial-A	YP/AJ	Ok
12	BSF0514W2		FB031746.D	14 May 2025 15:35		YP/AJ	Ok,M
13	20 PPB GRO STD		FB031747.D	14 May 2025 16:02		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 # FB051525

Review By	yogesh	Review On	5/15/2025 1:21:24 PM		
Supervise By	mohammad	Supervise On	5/19/2025 2:36:30 AM		
SubDirectory	FB051525	HP Acquire Method		HP Processing Method	FB042325

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24485,PP24486,PP24487,PP24488,PP24489
CCC	PP24577,PP24578,PP24579
Internal Standard/PEM	
ICV/I.BLK	PP24111,PP24490
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	20 PPB GRO STD		FB031748.D	15 May 2025 10:08		YP/AJ	Ok,M
2	VBF0515S1		FB031749.D	15 May 2025 12:03		YP/AJ	Ok
3	VBF0515S2		FB031750.D	15 May 2025 12:30		YP/AJ	Ok
4	BSF0515S1		FB031751.D	15 May 2025 12:58		YP/AJ	Ok
5	Q2032-04		FB031752.D	15 May 2025 13:26	Vial-A	YP/AJ	Ok
6	Q2032-01		FB031753.D	15 May 2025 13:54	Vial-A, Surr Fail, need MEOH	YP/AJ	Dilution
7	Q2032-05MS		FB031754.D	15 May 2025 14:22		YP/AJ	Ok,M
8	Q2032-06MSD		FB031755.D	15 May 2025 14:50		YP/AJ	Ok,M
9	Q2032-02		FB031756.D	15 May 2025 15:40	Vial-A	YP/AJ	Ok
10	BSF0515S2		FB031757.D	15 May 2025 16:08		YP/AJ	Ok,M
11	20 PPB GRO STD		FB031758.D	15 May 2025 16:36		YP/AJ	Ok
12	Q2032-07		FB031759.D	15 May 2025 17:31	Vial-A, End CCC Missing	YP/AJ	Not 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 # FB051625

Review By	yogesh	Review On	5/16/2025 1:10:50 PM		
Supervise By		Supervise On			
SubDirectory	FB051625	HP Acquire Method		HP Processing Method	FB042325

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24485,PP24486,PP24487,PP24488,PP24489
CCC	PP24581,PP24582
Internal Standard/PEM	
ICV/I.BLK	PP24111,PP24490
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	20 PPB GRO STD		FB031760.D	16 May 2025 8:22		YP/AJ	Ok,NS
2	VBF0516S1		FB031761.D	16 May 2025 9:16		YP/AJ	Ok
3	VBF0516S2		FB031762.D	16 May 2025 9:44		YP/AJ	Ok
4	BSF0516S1		FB031763.D	16 May 2025 10:12		YP/AJ	Ok,NS
5	Q2032-07		FB031764.D	16 May 2025 10:40	Vial-A	YP/AJ	Ok
6	Q2032-08		FB031765.D	16 May 2025 11:08	Vial-A	YP/AJ	Ok
7	Q2032-03		FB031766.D	16 May 2025 11:35	Vial-A, Surr fail	YP/AJ	Not Ok
8	Q2032-01		FB031767.D	16 May 2025 13:01	Vial-B, Surr fail	YP/AJ	Dilution
9	Q2032-03		FB031768.D	16 May 2025 13:29	Vial-B	YP/AJ	Ok
10	Q2032-01		FB031769.D	16 May 2025 13:57	Vial-C	YP/AJ	Ok
11	BSF0516S2		FB031770.D	16 May 2025 14:24		YP/AJ	Ok,NS
12	20 PPB GRO STD		FB031771.D	16 May 2025 14:52		YP/AJ	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 5/15/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 05/14/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:28
Out Date: 05/15/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135767

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
Q2021-01	WASTE	1	1.14	10.48	11.62	10.41	88.5	
Q2021-02	VOC	2	1.19	10.25	11.44	9.99	85.9	
Q2021-03	1	3	1.15	10.01	11.16	9.88	87.2	
Q2021-04	2	4	1.18	10.25	11.43	9.88	84.9	
Q2021-05	3	5	1.17	10.09	11.26	10.12	88.7	
Q2021-06	4	6	1.16	10.60	11.76	10.5	88.1	
Q2021-07	5	7	1.18	10.60	11.78	10.36	86.6	
Q2021-08	6	8	1.18	10.21	11.39	10.12	87.6	
Q2032-01	TP-11	9	1.14	10.08	11.22	8.83	76.3	
Q2032-02	TP-29	10	1.18	10.39	11.57	10.13	86.1	
Q2032-03	TP-29-99	11	1.19	10.40	11.59	10.22	86.8	
Q2032-04	TP-24	12	1.15	10.70	11.85	9.09	74.2	
Q2032-05	Q2032-04MS	13	1.15	10.70	11.85	9.09	74.2	
Q2032-06	Q2032-04MSD	14	1.15	10.70	11.85	9.09	74.2	
Q2032-07	TP-37	15	1.19	10.00	11.19	9.44	82.5	
Q2032-08	TP-32	16	1.17	10.08	11.25	9.92	86.8	
Q2034-01	L3-WC-1	17	1.14	10.24	11.38	10.11	87.6	
Q2034-02	L3-WC-1-EPH	18	1.18	10.23	11.41	10.22	88.4	
Q2034-03	L3-WC-1-VOC	19	1.15	10.10	11.25	10.19	89.5	
Q2034-04	L3-WC-1	20	1.14	10.24	11.38	10.11	87.6	
Q2034-05	L3-WC-2	21	1.17	10.18	11.35	9.88	85.6	
Q2034-06	L3-WC-2-EPH	22	1.18	10.71	11.89	10.47	86.7	
Q2034-07	L3-WC-2-VOC	23	1.19	10.52	11.71	10.46	88.1	
Q2034-09	L3-WC-3	24	1.14	10.26	11.4	9.65	82.9	
Q2034-10	L3-WC-3-EPH	25	1.14	10.26	11.4	10.11	87.4	
Q2034-11	L3-WC-3-VOC	26	1.19	10.53	11.72	10.39	87.4	
Q2034-13	L3-WC-4	27	1.18	10.51	11.69	10.26	86.4	
Q2034-14	L3-WC-4-EPH	28	1.15	10.42	11.57	10.23	87.1	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 5/15/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 05/14/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:28
Out Date: 05/15/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135767

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
Q2034-15	L3-WC-4-VOC	29	1.15	10.37	11.52	10.7	92.1	
Q2034-17	L3-WC-5	30	1.13	10.76	11.89	10.49	87.0	
Q2034-18	L3-WC-5-EPH	31	1.15	10.66	11.81	10.02	83.2	
Q2034-19	L3-WC-5-VOC	32	1.19	10.72	11.91	10.6	87.8	
Q2034-21	L3-WC-6	33	1.18	10.14	11.32	9.92	86.2	
Q2034-22	L3-WC-6-EPH	34	1.14	10.08	11.22	10.6	93.8	
Q2034-23	L3-WC-6-VOC	35	1.11	10.00	11.11	9.3	81.9	
Q2038-01	72-11991	36	1.15	10.56	11.71	10.81	91.5	
Q2039-01	TR-05-05142025	37	1.18	9.92	11.1	9.54	84.3	
Q2039-02	TR-05-05142025-E2	38	1.15	10.23	11.38	10.17	88.2	
Q2040-01	1	39	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2040-02	2	40	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2040-03	3	41	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2040-04	4	42	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2040-05	5	43	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2040-06	6	44	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2040-07	7	45	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2041-01	HIH359A-1-1	46	1.00	1.00	2.00	2.00	100.0	oilc
Q2041-02	HIH359A-1-2	47	1.00	1.00	2.00	2.00	100.0	oilc
Q2041-03	HIA9895-1-1	48	1.00	1.00	2.00	2.00	100.0	oilc
Q2041-04	HIA9895-1-2	49	1.00	1.00	2.00	2.00	100.0	oilc
Q2041-05	250-1-1	50	1.00	1.00	2.00	2.00	100.0	oilc
Q2041-06	250-1-2	51	1.00	1.00	2.00	2.00	100.0	oilc
Q2041-07	250-2-1	52	1.00	1.00	2.00	2.00	100.0	oilc
Q2041-08	250-2-2	53	1.00	1.00	2.00	2.00	100.0	oilc
Q2042-01	HEI570L-1-1	54	1.00	1.00	2.00	2.00	100.0	oilc
Q2042-02	HEI570L-1-2	55	1.00	1.00	2.00	2.00	100.0	oilc
Q2042-04	HEI570L-2-1	56	1.00	1.00	2.00	2.00	100.0	oilc

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 5/15/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 05/14/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:28
Out Date: 05/15/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135767

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
Q2042-05	HEI570L-2-2	57	1.00	1.00	2.00	2.00	100.0	oilc
Q2043-01	281	58	1.18	10.26	11.44	9.29	79.0	
Q2043-02	281-E2	59	1.16	10.44	11.6	10.6	90.4	
Q2043-03	72-12000	60	1.19	10.35	11.54	8.15	67.2	
Q2043-04	72-12000-E2	61	1.11	10.38	11.49	6.56	52.5	
Q2044-01	3858	62	1.00	1.00	2.00	2.00	100.0	oil sample
Q2046-01	BC136902-1-1	63	1.00	1.00	2.00	2.00	100.0	oilc
Q2046-02	BC136902-1-2	64	1.00	1.00	2.00	2.00	100.0	oilc
Q2047-01	SU-04-051425	65	1.18	10.07	11.25	10.72	94.7	
Q2047-02	SU-04-051425-E2	66	1.18	10.37	11.55	10.9	93.7	
Q2048-01	L2-WC-1	67	1.19	10.47	11.66	10.29	86.9	
Q2048-02	L2-WC-1-EPH	68	1.19	10.30	11.49	9.87	84.3	
Q2048-03	L2-WC-1-VOC	69	1.18	10.31	11.49	10.17	87.2	
Q2048-05	L2-WC-2	70	1.16	10.26	11.42	9.82	84.4	
Q2048-06	L2-WC-2-EPH	71	1.17	10.13	11.3	9.06	77.9	
Q2048-07	L2-WC-2-VOC	72	1.18	10.42	11.6	9.88	83.5	
Q2048-09	L2-WC-3	73	1.17	10.15	11.32	9.02	77.3	
Q2048-10	L2-WC-3-EPH	74	1.18	10.07	11.25	9.17	79.3	
Q2048-11	L2-WC-3-VOC	75	1.17	10.49	11.66	9.94	83.6	
Q2048-13	L2-WC-4	76	1.11	10.64	11.75	10.24	85.8	
Q2048-14	L2-WC-4-EPH	77	1.19	10.13	11.32	10.04	87.4	
Q2048-15	L2-WC-4-VOC	78	1.13	10.07	11.2	9.81	86.2	

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

WORKLIST(Hardcopy Internal Chain)

UB 135767

WorkList Name : %1-051425 **WorkList ID :** 189504 **Department :** Wet-Chemistry **Date :** 05-14-2025 09:06:51

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2021-01	WASTE	Solid	Percent Solids	Cool 4 deg C	SCIA01	L41	05/12/2025	Chemtech -SO
Q2021-02	VOC	Solid	Percent Solids	Cool 4 deg C	SCIA01	L41	05/12/2025	Chemtech -SO
Q2021-03	1	Solid	Percent Solids	Cool 4 deg C	SCIA01	L41	05/12/2025	Chemtech -SO
Q2021-04	2	Solid	Percent Solids	Cool 4 deg C	SCIA01	L41	05/12/2025	Chemtech -SO
Q2021-05	3	Solid	Percent Solids	Cool 4 deg C	SCIA01	L41	05/12/2025	Chemtech -SO
Q2021-06	4	Solid	Percent Solids	Cool 4 deg C	SCIA01	L41	05/12/2025	Chemtech -SO
Q2021-07	5	Solid	Percent Solids	Cool 4 deg C	SCIA01	L41	05/12/2025	Chemtech -SO
Q2021-08	6	Solid	Percent Solids	Cool 4 deg C	SCIA01	L41	05/12/2025	Chemtech -SO
Q2032-01	TP-11	Solid	Percent Solids	Cool 4 deg C	SCIA01	L41	05/12/2025	Chemtech -SO
Q2032-02	TP-29	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/13/2025	Chemtech -SO
Q2032-03	TP-29-99	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/13/2025	Chemtech -SO
Q2032-04	TP-24	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/13/2025	Chemtech -SO
Q2032-05	Q2032-04MS	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/13/2025	Chemtech -SO
Q2032-06	Q2032-04MSD	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/13/2025	Chemtech -SO
Q2032-07	TP-37	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/13/2025	Chemtech -SO
Q2032-08	TP-32	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/13/2025	Chemtech -SO
Q2034-01	L3-WC-1	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/13/2025	Chemtech -SO
Q2034-02	L3-WC-1-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/13/2025	Chemtech -SO
Q2034-03	L3-WC-1-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/13/2025	Chemtech -SO
Q2034-04	L3-WC-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/13/2025	Chemtech -SO
Q2034-05	L3-WC-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/13/2025	Chemtech -SO

Date/Time 05.14.25 15:10

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

Date/Time 05-14-25 17:30

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

WORKLIST(Hardcopy Internal Chain)

VB 135767

WorkList Name : %1-051425 **WorkList ID :** 189504 **Department :** Wet-Chemistry **Date :** 05-14-2025 09:06:51

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2034-06	L3-WC-2-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/13/2025	Chemtech -SO
Q2034-07	L3-WC-2-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/13/2025	Chemtech -SO
Q2034-09	L3-WC-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/13/2025	Chemtech -SO
Q2034-10	L3-WC-3-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/13/2025	Chemtech -SO
Q2034-11	L3-WC-3-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/13/2025	Chemtech -SO
Q2034-13	L3-WC-4	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/13/2025	Chemtech -SO
Q2034-14	L3-WC-4-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/13/2025	Chemtech -SO
Q2034-15	L3-WC-4-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/13/2025	Chemtech -SO
Q2034-17	L3-WC-5	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/13/2025	Chemtech -SO
Q2034-18	L3-WC-5-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/13/2025	Chemtech -SO
Q2034-19	L3-WC-5-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/13/2025	Chemtech -SO
Q2034-21	L3-WC-6	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/13/2025	Chemtech -SO
Q2034-22	L3-WC-6-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/13/2025	Chemtech -SO
Q2034-23	L3-WC-6-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/13/2025	Chemtech -SO
Q2038-01	72-11991	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/13/2025	Chemtech -SO
Q2039-01	TR-05-05142025	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/14/2025	Chemtech -SO
Q2039-02	TR-05-05142025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	L21	05/14/2025	Chemtech -SO
Q2040-01	1	Solid	Percent Solids	Cool 4 deg C	PSEG05	L21	05/14/2025	Chemtech -SO
Q2040-02	2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/14/2025	Chemtech -SO
Q2040-03	3	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/14/2025	Chemtech -SO
Q2040-04	4	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/14/2025	Chemtech -SO

Date/Time 05-14-25 1510

Raw Sample Received by: JB WC,

Raw Sample Relinquished by: CP SM

Date/Time 05-14-25 1730

Raw Sample Received by: CP SM

Raw Sample Relinquished by: JB WC,

WORKLIST(Hardcopy Internal Chain)

LB135767

WorkList Name : %1-051425 **WorkList ID :** 189504 **Department :** Wet-Chemistry **Date :** 05-14-2025 09:06:51

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2040-05	5	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/14/2025	Chemtech -SO
Q2040-06	6	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/14/2025	Chemtech -SO
Q2040-07	7	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/14/2025	Chemtech -SO
Q2041-01	HIH359A-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/14/2025	Chemtech -SO
Q2041-02	HIH359A-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	05/14/2025	Chemtech -SO
Q2041-03	HIA9895-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	05/14/2025	Chemtech -SO
Q2041-04	HIA9895-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	05/14/2025	Chemtech -SO
Q2041-05	250-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	05/14/2025	Chemtech -SO
Q2041-06	250-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	05/14/2025	Chemtech -SO
Q2041-07	250-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	05/14/2025	Chemtech -SO
Q2041-08	250-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	05/14/2025	Chemtech -SO
Q2042-01	HEI570L-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	05/14/2025	Chemtech -SO
Q2042-02	HEI570L-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/14/2025	Chemtech -SO
Q2042-04	HEI570L-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/14/2025	Chemtech -SO
Q2042-05	HEI570L-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/14/2025	Chemtech -SO
Q2043-01	281	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/14/2025	Chemtech -SO
Q2043-02	281-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	05/14/2025	Chemtech -SO
Q2043-03	72-12000	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	05/14/2025	Chemtech -SO
Q2043-04	72-12000-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	05/14/2025	Chemtech -SO
Q2044-01	3858	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	05/14/2025	Chemtech -SO
Q2046-01	BC136902-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/14/2025	Chemtech -SO

Date/Time 05-14-25 1510

Raw Sample Received by: [illegible]

Raw Sample Relinquished by: [illegible]

Date/Time 05-14-25 1730

Raw Sample Received by: [illegible]

Raw Sample Relinquished by: [illegible]

1135767

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-051425 **WorkList ID :** 189504 **Department :** Wet-Chemistry **Date :** 05-14-2025 09:06:51

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2046-02	BC136902-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/14/2025	Chemtech -SO
Q2047-01	SU-04-051425	Solid	Percent Solids	Cool 4 deg C	PSEG05	L31	05/14/2025	Chemtech -SO
Q2047-02	SU-04-051425-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	L31	05/14/2025	Chemtech -SO
Q2048-01	L2-WC-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/14/2025	Chemtech -SO
Q2048-02	L2-WC-1-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/14/2025	Chemtech -SO
Q2048-03	L2-WC-1-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/14/2025	Chemtech -SO
Q2048-05	L2-WC-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/14/2025	Chemtech -SO
Q2048-06	L2-WC-2-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/14/2025	Chemtech -SO
Q2048-07	L2-WC-2-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/14/2025	Chemtech -SO
Q2048-09	L2-WC-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/14/2025	Chemtech -SO
Q2048-10	L2-WC-3-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/14/2025	Chemtech -SO
Q2048-11	L2-WC-3-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/14/2025	Chemtech -SO
Q2048-13	L2-WC-4	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/14/2025	Chemtech -SO
Q2048-14	L2-WC-4-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/14/2025	Chemtech -SO
Q2048-15	L2-WC-4-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/14/2025	Chemtech -SO

Date/Time 05-14-25 15:10

Raw Sample Received by: JB WEC

Raw Sample Relinquished by: CL SM

Date/Time 05-14-25 17:30

Raw Sample Received by: CL SM

Raw Sample Relinquished by: JB WEC

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. Q2032
COC Number 2047011

CLIENT INFORMATION

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

CLIENT PROJECT INFORMATION

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

CLIENT BILLING INFORMATION

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

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 METALS
4 PCB
5 PESTICIDES
6 HERBICIDES
7 DRO/GRO
8 FULL TCLP
9 RCRA CHARAL

PRESERVATIVES

COMMENTS

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

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1	2	3	4	5	6	7	8	9	COMMENTS
1.	TP-11	SOIL		X	5/13/25	0830	6	X	X	X	X	X	X	X			E
2.	TP-29	SOIL		X	5/13/25	1010	6	X	X	X	X	X	X	X			E
3.	TP-29-99	SOIL		X	5/13/25	1010	6	X	X	X	X	X	X	X			E
4.	TP-24	SOIL		X	5/13/25	1130	18	X	X	X	X	X	X	X			E; MS/MSD
5.	TP-37	SOIL		X	5/13/25	1250	6	X	X	X	X	X	X	X			E
6.	TP-32	SOIL		X	5/13/25	1330	6	X	X	X	X	X	X	X			E
7.	COMP-1	SOIL	X		5/13/25	1405	4								X	X	E
8.	FB-05132025	Aqueous		X	5/13/25	1445	10	X	X	X	X	X	X	X			E,A,B
9.																	
10.																	

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	5/13/25 1505	1. 1505 5-13-25
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
2.		2.
RELINQUISHED BY SAMPLER:	DATE/TIME: 1626 5-13-25	RECEIVED BY:
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.2 °C
Comments:

Page _____ of

CLIENT: ☐ Hand Delivered ☐ Other _____

Shipment Complete ☐ YES ☐ NO

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

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

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

QA Control Code: A2070148

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2032 CAMP02
Client Name : CDM Smith
Client Contact : Marcie Ann Encinas
Invoice Name : CDM Smith
Invoice Contact : Marcie Ann Encinas

Order Date : 5/13/2025 4:01:00 PM
Project Name : South River WM Replacem
Receive DateTime : 5/13/2025 4:20:00 PM
Purchase Order :

Project Mgr :
Report Type : Level 1
EDD Type : EXCEL NOCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2032-01	TP-11	Solid	05/13/2025	08:30					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2032-02	TP-29	Solid	05/13/2025	10:10					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2032-03	TP-29-99	Solid	05/13/2025	10:10					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2032-04	TP-24	Solid	05/13/2025	11:30					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2032-05	Q2032-04MS	Solid	05/13/2025	11:30					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2032-06	Q2032-04MSD	Solid	05/13/2025	11:30					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2032-07	TP-37	Solid	05/13/2025	12:50					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2032-08	TP-32	Solid	05/13/2025	13:30					

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2032 CAMP02
Client Name : CDM Smith
Client Contact : Marcie Ann Encinas
Invoice Name : CDM Smith
Invoice Contact : Marcie Ann Encinas

Order Date : 5/13/2025 4:01:00 PM
Project Name : South River WM Replacem
Receive DateTime : 5/13/2025 4:20:00 PM
Purchase Order :

Project Mgr :
Report Type : Level 1
EDD Type : EXCEL NOCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2032-11	FB-05132025	Water	05/13/2025	14:45					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
Q2032-12	TB	Water	05/13/2025	00:00					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days

Relinguished By :
Date / Time : 5/14/25 0940

Received By : Sam
Date / Time : 5/14/24 9:40
Storage Area : VOA Refridgerator Room

RJH 4
RJH 6
RJH 2