

Cover Page

Order ID : Q2010

Project ID : South River WM Replacement

Client : CDM Smith

Lab Sample Number

Q2010-01
Q2010-02
Q2010-03
Q2010-04

Client Sample Number

TP-10
TP-13
TP-14
TP-17

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: 5/19/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following “ Results Qualifiers” are used:

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2010

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 Custody

✓

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: PRATIK PATEL

Date: 05/19/2025

LAB CHRONICLE

OrderID:	Q2010	OrderDate:	5/9/2025 4:00:00 PM
Client:	CDM Smith	Project:	South River WM Replacement
Contact:	Marcie Ann Encinas	Location:	L51,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2010-01	TP-10	SOIL	Diesel Range Organics	8015D	05/08/25	05/13/25	05/13/25	05/09/25
			Gasoline Range Organics	8015D				
Q2010-02	TP-13	SOIL	Diesel Range Organics	8015D	05/08/25	05/13/25	05/13/25	05/09/25
			Gasoline Range Organics	8015D				
Q2010-03	TP-14	SOIL	Diesel Range Organics	8015D	05/08/25	05/13/25	05/13/25	05/09/25
			Gasoline Range Organics	8015D				
Q2010-04	TP-17	SOIL	Diesel Range Organics	8015D	05/08/25	05/13/25	05/14/25	05/09/25
			Gasoline Range Organics	8015D				



QC SUMMARY

SOIL GASOLINE RANGE ORGANICS SURROGATE RECOVERY

Lab Name: Chemtech Client: CDM Smith
Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG No.: Q2010

EPA SAMPLE NO.	S1 AAA-TFT	S2	S3	S4	TOT OUT
VBFO513S1	109				0
BSFO513S1	84				0
BSFO513S2	105				0
TP-10	84				0
TP-17	84				0
TP-14	79				0
VBFO514S2	104				0
BSFO514S1	119				0
TP-13	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

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

Lab Name: Chemtech **Client:** CDM Smith
Lab Code: CHEM **Cas No:** Q2010 **SAS No :** Q2010 **SDG No:** Q2010
Matrix Spike - EPA Sample No : BSF0513S1 **Datafile:** FB031707.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS
GRO	180	0	225	125	50-150

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

Lab Name: Chemtech **Client:** CDM Smith
Lab Code: CHEM **Cas No:** Q2010 **SAS No :** Q2010 **SDG No:** Q2010
Matrix Spike - EPA Sample No : BSF0513S2 **Datafile:** FB031714.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS
GRO	180	0	227	126	50-150

LCS/LCSD % Recovery RPD : 0.9

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

Lab Name: Chemtech **Client:** CDM Smith
Lab Code: CHEM **Cas No:** Q2010 **SAS No :** Q2010 **SDG No:** Q2010
Matrix Spike - EPA Sample No : BSF0514S1 **Datafile:** FB031738.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS
GRO	180	0	184	102	50-150

METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBF0513S1

Lab Name: CHEMTECH

Contract: CAMP02

Lab Code: CHEM Case No.: Q2010

SAS No.: Q2010 SDG NO.: Q2010

Lab File ID: FB031705.D

Lab Sample ID: VBF0513S1

Date Analyzed: 05/13/25

Time Analyzed: 9:24

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

Heated Purge: (Y/N) Y

Instrument ID: FB

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSF0513S1	BSF0513S1	FB031707.D	05/13/25
BSF0513S2	BSF0513S2	FB031714.D	05/13/25
TP-10	Q2010-01	FB031717.D	05/13/25
TP-17	Q2010-04	FB031720.D	05/13/25
TP-14	Q2010-03	FB031731.D	05/13/25

COMMENTS: _____

METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBF0514S2

Lab Name: CHEMTECH

Contract: CAMP02

Lab Code: CHEM Case No.: Q2010

SAS No.: Q2010 SDG NO.: Q2010

Lab File ID: FB031737.D

Lab Sample ID: VBF0514S2

Date Analyzed: 05/14/25

Time Analyzed: 11:04

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
BSF0514S1	BSF0514S1	FB031738.D	05/14/25
TP-13	Q2010-02	FB031740.D	05/14/25

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-10	SDG No.:	Q2010
Lab Sample ID:	Q2010-01	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	93.3
Sample Wt/Vol:	4.96	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Final Vol:	5
GPC Factor :		Test:	Gasoline Range Organics
Prep Method :		Injection Volume :	

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031717.D	1	05/13/25 16:21	FB051325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	9.00	U	9.00	49.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	16.9		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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051325\
Data File : FB031717.D
Signal(s) : FID2B.CH
Acq On : 13 May 2025 16:21
Operator : YP/AJ
Sample : Q2010-01
Misc : 4.96G/5.00 ML DI WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-10

Integration File: Calibration.e
Quant Time: May 14 07:21:47 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	387035	16.877 ng/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

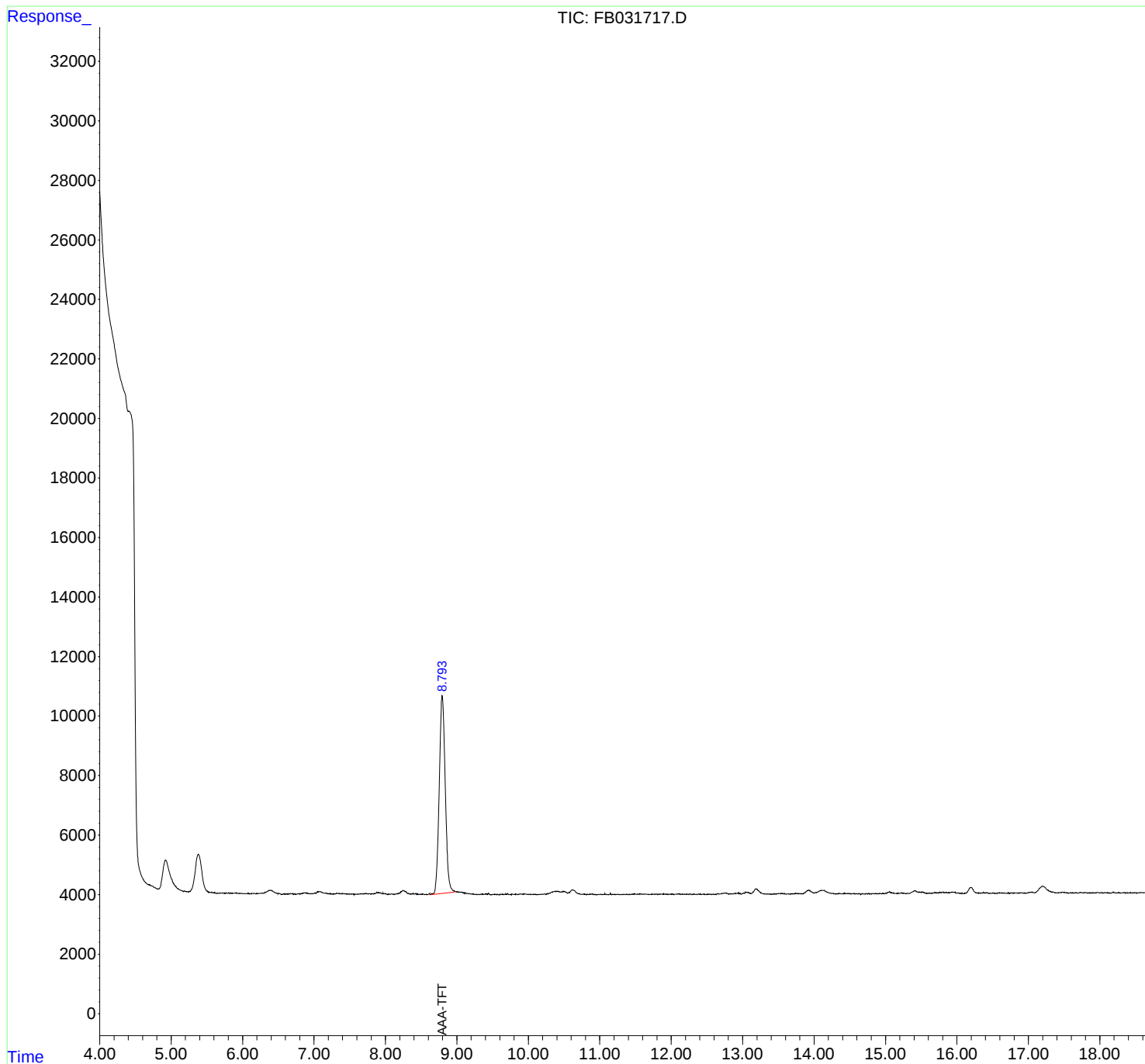
(m)=manual int.

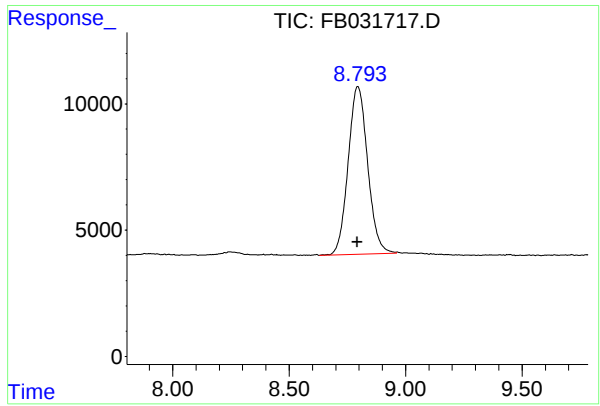
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051325\
Data File : FB031717.D
Signal(s) : FID2B.CH
Acq On : 13 May 2025 16:21
Operator : YP/AJ
Sample : Q2010-01
Misc : 4.96G/5.00 ML DI WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-10

Integration File: Calibration.e
Quant Time: May 14 07:21:47 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.: 8.795 min
Delta R.T.: 0.003 min
Response: 387035
Conc: 16.88 ng/ml

Instrument :
FID_B
ClientSampleId :
TP-10

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051325\
 Data File : FB031717.D
 Signal(s) : FID2B.CH
 Acq On : 13 May 2025 16:21
 Sample : Q2010-01
 Misc : 4.96G/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	5.192	5.175	5.243	PV	24	408	0.10%	0.065%
2	5.568	5.559	5.594	VV	39	459	0.12%	0.073%
3	5.607	5.594	5.630	VV	37	387	0.10%	0.061%
4	5.648	5.630	5.664	PV	15	158	0.04%	0.025%
5	5.671	5.664	5.678	VV	12	82	0.02%	0.013%
6	5.720	5.678	5.798	VV	19	1140	0.29%	0.181%
7	5.809	5.798	5.822	VV	37	324	0.08%	0.051%
8	5.835	5.822	5.848	VV	24	236	0.06%	0.037%
9	5.912	5.848	5.954	VV	38	1347	0.34%	0.213%
10	5.964	5.954	6.016	VV	22	572	0.14%	0.091%
11	6.037	6.016	6.056	VV	24	348	0.09%	0.055%
12	6.085	6.056	6.099	VV	28	487	0.12%	0.077%
13	6.121	6.099	6.129	PV	26	267	0.07%	0.042%
14	6.146	6.129	6.162	VV	24	436	0.11%	0.069%
15	6.170	6.162	6.187	VV	30	303	0.08%	0.048%
16	6.198	6.187	6.213	VV	32	317	0.08%	0.050%
17	6.258	6.213	6.270	VV	39	973	0.25%	0.154%
18	6.282	6.270	6.290	VV	47	432	0.11%	0.068%
19	6.380	6.290	6.514	VV	140	10946	2.76%	1.734%
20	6.521	6.514	6.544	VV	40	373	0.09%	0.059%
21	6.582	6.544	6.607	PV	27	452	0.11%	0.072%
22	6.619	6.607	6.630	VV	25	176	0.04%	0.028%
23	6.673	6.630	6.693	VV	36	862	0.22%	0.137%
24	6.702	6.693	6.712	VV	32	230	0.06%	0.037%
25	6.723	6.712	6.746	PV	23	250	0.06%	0.040%
26	6.878	6.746	6.895	VV	58	2737	0.69%	0.434%
27	6.902	6.895	6.933	VV	48	793	0.20%	0.126%
28	6.945	6.933	6.955	VV	30	345	0.09%	0.055%
29	6.969	6.955	6.986	VV	27	432	0.11%	0.069%
30	7.016	6.986	7.031	VV	57	928	0.23%	0.147%
31	7.047	7.031	7.057	VV	94	1039	0.26%	0.165%
32	7.080	7.057	7.162	VV	99	4077	1.03%	0.646%
33	7.172	7.162	7.216	VV	44	820	0.21%	0.130%
34	7.225	7.216	7.245	VV	32	231	0.06%	0.037%
35	7.254	7.245	7.268	VV	11	98	0.02%	0.016%
36	7.279	7.268	7.290	PV	13	121	0.03%	0.019%

					rteres			
37	7.323	7.290	7.335	VV	43	552	0.14%	0.087%
38	7.350	7.335	7.361	VV	33	304	0.08%	0.048%
39	7.371	7.361	7.390	VV	25	270	0.07%	0.043%
40	7.405	7.390	7.458	VB	31	523	0.13%	0.083%
41	7.479	7.465	7.490	BV	9	56	0.01%	0.009%
42	7.506	7.490	7.540	PV	10	254	0.06%	0.040%
43	7.549	7.540	7.574	VV	25	259	0.07%	0.041%
44	7.582	7.574	7.589	PV	16	86	0.02%	0.014%
45	7.602	7.589	7.619	VV	16	234	0.06%	0.037%
46	7.641	7.619	7.684	VV	24	767	0.19%	0.121%
47	7.729	7.684	7.741	VV	46	1088	0.27%	0.172%
48	7.749	7.741	7.758	VV	28	288	0.07%	0.046%
49	7.779	7.758	7.793	VV	31	541	0.14%	0.086%
50	7.816	7.793	7.835	VV	32	646	0.16%	0.102%
51	7.879	7.835	7.958	VV	76	3821	0.96%	0.605%
52	7.966	7.958	7.975	VV	48	376	0.10%	0.060%
53	7.986	7.975	8.029	VV	45	863	0.22%	0.137%
54	8.040	8.029	8.072	VV	25	421	0.11%	0.067%
55	8.087	8.072	8.111	VV	28	511	0.13%	0.081%
56	8.130	8.111	8.138	PV	18	225	0.06%	0.036%
57	8.249	8.138	8.314	VV	145	8212	2.07%	1.301%
58	8.322	8.314	8.368	VV	50	988	0.25%	0.157%
59	8.390	8.368	8.399	VV	48	583	0.15%	0.092%
60	8.425	8.399	8.435	VV	48	636	0.16%	0.101%
61	8.448	8.435	8.464	VV	36	338	0.09%	0.054%
62	8.477	8.464	8.513	VV	22	460	0.12%	0.073%
63	8.526	8.513	8.542	VV	29	324	0.08%	0.051%
64	8.619	8.542	8.630	VV	44	818	0.21%	0.130%
65	8.646	8.630	8.653	VV	31	291	0.07%	0.046%
66	8.665	8.653	8.672	VV	43	380	0.10%	0.060%
67	8.795	8.672	8.960	VV	6695	396077	100.00%	62.749%
68	8.965	8.960	8.988	VV	149	2005	0.51%	0.318%
69	8.997	8.988	9.032	VV	103	2605	0.66%	0.413%
70	9.041	9.032	9.055	VV	96	1193	0.30%	0.189%
71	9.067	9.055	9.206	VV	95	5074	1.28%	0.804%
72	9.229	9.206	9.250	VV	32	614	0.15%	0.097%
73	9.267	9.250	9.286	VV	22	330	0.08%	0.052%
74	9.296	9.286	9.304	VV	17	154	0.04%	0.024%
75	9.313	9.304	9.322	VV	18	148	0.04%	0.023%
76	9.346	9.322	9.380	VV	28	709	0.18%	0.112%
77	9.404	9.380	9.427	VV	37	649	0.16%	0.103%
78	9.445	9.427	9.486	VV	41	757	0.19%	0.120%
79	9.530	9.486	9.540	VV	32	439	0.11%	0.070%
80	9.549	9.540	9.559	VV	23	160	0.04%	0.025%
81	9.571	9.559	9.583	VV	18	151	0.04%	0.024%
82	9.612	9.583	9.630	PV	24	422	0.11%	0.067%
83	9.640	9.630	9.660	VV	31	316	0.08%	0.050%
84	9.673	9.660	9.680	VV	21	190	0.05%	0.030%
85	9.713	9.680	9.726	VV	38	620	0.16%	0.098%
86	9.736	9.726	9.749	VV	16	178	0.04%	0.028%
87	9.759	9.749	9.765	VV	23	153	0.04%	0.024%
88	9.775	9.765	9.795	VV	30	378	0.10%	0.060%
89	9.801	9.795	9.809	VV	18	145	0.04%	0.023%

					rteres				
90	9.825	9.809	9.839	VV	40	418	0.11%	0.066%	
91	9.851	9.839	9.861	VV	19	180	0.05%	0.028%	
92	9.888	9.861	9.898	VV	35	525	0.13%	0.083%	
93	9.907	9.898	9.934	VV	30	522	0.13%	0.083%	
94	9.952	9.934	9.984	VV	35	674	0.17%	0.107%	
95	9.993	9.984	10.002	VV	20	176	0.04%	0.028%	
96	10.015	10.002	10.023	VV	26	247	0.06%	0.039%	
97	10.029	10.023	10.045	VV	24	195	0.05%	0.031%	
98	10.061	10.045	10.076	VV	17	273	0.07%	0.043%	
99	10.082	10.076	10.122	VV	22	338	0.09%	0.054%	
100	10.132	10.122	10.151	VV	16	201	0.05%	0.032%	
101	10.209	10.151	10.218	VV	27	713	0.18%	0.113%	
102	10.231	10.218	10.244	VV	28	352	0.09%	0.056%	
103	10.266	10.244	10.274	VV	48	480	0.12%	0.076%	
104	10.404	10.274	10.455	VV	125	10064	2.54%	1.594%	
105	10.496	10.455	10.551	VV	120	5636	1.42%	0.893%	
106	10.618	10.551	10.742	VV	169	10139	2.56%	1.606%	
107	10.754	10.742	10.764	VV	22	232	0.06%	0.037%	
108	10.781	10.764	10.844	VV	33	796	0.20%	0.126%	
109	10.866	10.844	10.874	VV	25	294	0.07%	0.047%	
110	10.898	10.874	10.930	VV	33	588	0.15%	0.093%	
111	10.973	10.930	10.986	VV	13	245	0.06%	0.039%	
112	11.018	10.986	11.040	VV	16	376	0.09%	0.060%	
113	11.072	11.040	11.080	VV	23	307	0.08%	0.049%	
114	11.089	11.080	11.105	VV	17	147	0.04%	0.023%	
115	11.132	11.105	11.138	VV	13	163	0.04%	0.026%	
116	11.150	11.138	11.166	VV	30	308	0.08%	0.049%	
117	11.181	11.166	11.228	PV	20	396	0.10%	0.063%	
118	11.254	11.228	11.283	VV	22	343	0.09%	0.054%	
119	11.295	11.283	11.303	VV	11	68	0.02%	0.011%	
120	11.312	11.303	11.321	VV	14	86	0.02%	0.014%	
121	11.339	11.321	11.366	VV	20	337	0.09%	0.053%	
122	11.383	11.366	11.397	VV	18	214	0.05%	0.034%	
123	11.406	11.397	11.412	VV	15	83	0.02%	0.013%	
124	11.420	11.412	11.429	VV	18	123	0.03%	0.020%	
125	11.492	11.429	11.515	VV	34	979	0.25%	0.155%	
126	11.569	11.515	11.583	VV	29	872	0.22%	0.138%	
127	11.591	11.583	11.617	VV	25	391	0.10%	0.062%	
128	11.626	11.617	11.647	VV	25	370	0.09%	0.059%	
129	11.652	11.647	11.705	VV	20	481	0.12%	0.076%	
130	11.730	11.705	11.741	VV	15	278	0.07%	0.044%	
131	11.749	11.741	11.785	VV	21	450	0.11%	0.071%	
132	11.793	11.785	11.807	VV	21	235	0.06%	0.037%	
133	11.819	11.807	11.843	VV	20	347	0.09%	0.055%	
134	11.852	11.843	11.883	VV	24	475	0.12%	0.075%	
135	11.892	11.883	11.917	VV	22	391	0.10%	0.062%	
136	11.924	11.917	11.943	VV	23	271	0.07%	0.043%	
137	11.951	11.943	11.958	VV	17	133	0.03%	0.021%	
138	11.983	11.958	11.993	VV	21	315	0.08%	0.050%	
139	12.012	11.993	12.043	VV	24	446	0.11%	0.071%	
140	12.104	12.043	12.129	VV	39	1036	0.26%	0.164%	
141	12.141	12.129	12.152	VV	20	216	0.05%	0.034%	

					rteres			
142	12.164	12.152	12.176	VV	23	236	0.06%	0.037%
143	12.237	12.176	12.247	VV	21	604	0.15%	0.096%
144	12.266	12.247	12.292	VV	31	435	0.11%	0.069%
145	12.323	12.292	12.361	VV	23	524	0.13%	0.083%
146	12.384	12.361	12.397	VV	22	322	0.08%	0.051%
147	12.412	12.397	12.426	VV	20	271	0.07%	0.043%
148	12.443	12.426	12.454	VV	19	215	0.05%	0.034%
149	12.464	12.454	12.498	VV	21	270	0.07%	0.043%
150	12.540	12.498	12.566	VV	17	485	0.12%	0.077%
151	12.576	12.566	12.585	VV	17	137	0.03%	0.022%
152	12.598	12.585	12.610	VV	17	166	0.04%	0.026%
153	12.620	12.610	12.636	VV	17	170	0.04%	0.027%
154	12.654	12.636	12.671	VV	37	481	0.12%	0.076%
155	12.686	12.671	12.695	VV	29	360	0.09%	0.057%
156	12.737	12.695	12.746	VV	51	1182	0.30%	0.187%
157	12.757	12.746	12.807	VV	54	1538	0.39%	0.244%
158	12.817	12.807	12.827	VV	34	325	0.08%	0.051%
159	12.842	12.827	12.864	VV	33	563	0.14%	0.089%
160	12.884	12.864	12.894	VV	44	638	0.16%	0.101%
161	12.898	12.894	12.905	VV	45	254	0.06%	0.040%
162	12.939	12.905	12.961	VV	59	1441	0.36%	0.228%
163	12.968	12.961	12.980	VV	52	367	0.09%	0.058%
164	13.018	12.980	13.028	VV	57	1047	0.26%	0.166%
165	13.056	13.028	13.065	VV	85	1635	0.41%	0.259%
166	13.072	13.065	13.118	VV	80	1784	0.45%	0.283%
167	13.186	13.118	13.343	VV	193	11401	2.88%	1.806%
168	13.359	13.343	13.376	VV	24	352	0.09%	0.056%
169	13.385	13.376	13.411	VV	23	340	0.09%	0.054%
170	13.449	13.411	13.468	VV	29	668	0.17%	0.106%
171	13.525	13.468	13.538	VV	40	1301	0.33%	0.206%
172	13.550	13.538	13.569	VV	41	621	0.16%	0.098%
173	13.584	13.569	13.608	VV	45	600	0.15%	0.095%
174	13.626	13.608	13.664	VV	25	654	0.17%	0.104%
175	13.688	13.664	13.705	VV	32	597	0.15%	0.095%
176	13.741	13.705	13.789	VV	44	1531	0.39%	0.243%
177	13.799	13.789	13.814	VV	41	447	0.11%	0.071%
178	13.823	13.814	13.844	VV	35	502	0.13%	0.080%
179	13.925	13.844	14.001	VV	154	8665	2.19%	1.373%
180	14.021	14.001	14.039	VV	78	1487	0.38%	0.236%
181	14.106	14.039	14.117	VV	143	5310	1.34%	0.841%
182	14.123	14.117	14.131	VV	143	1186	0.30%	0.188%
183	14.140	14.131	14.279	VV	141	6367	1.61%	1.009%
184	14.287	14.279	14.307	VV	31	399	0.10%	0.063%
185	14.316	14.307	14.335	VV	27	380	0.10%	0.060%
186	14.348	14.335	14.357	VV	49	446	0.11%	0.071%
187	14.364	14.357	14.393	VV	37	613	0.15%	0.097%
188	14.408	14.393	14.418	VV	40	465	0.12%	0.074%
189	14.432	14.418	14.465	VV	36	872	0.22%	0.138%
190	14.477	14.465	14.518	VV	35	904	0.23%	0.143%
191	14.534	14.518	14.546	VV	29	389	0.10%	0.062%
192	14.559	14.546	14.572	VV	42	454	0.11%	0.072%
193	14.595	14.572	14.604	VV	28	463	0.12%	0.073%
194	14.613	14.604	14.621	VV	29	233	0.06%	0.037%

					rteres			
195	14.631	14.621	14.654	VV	40	457	0.12%	0.072%
196	14.683	14.654	14.696	PV	38	518	0.13%	0.082%
197	14.704	14.696	14.723	VV	20	280	0.07%	0.044%
198	14.734	14.723	14.750	VV	38	382	0.10%	0.060%
199	14.768	14.750	14.785	VV	39	508	0.13%	0.080%
200	14.813	14.785	14.823	VV	30	465	0.12%	0.074%
201	14.842	14.823	14.853	VV	36	463	0.12%	0.073%
202	14.865	14.853	14.874	VV	40	340	0.09%	0.054%
203	14.889	14.874	14.902	VV	32	367	0.09%	0.058%
204	14.934	14.902	14.946	VV	30	651	0.16%	0.103%
205	14.960	14.946	14.984	VV	42	625	0.16%	0.099%
206	15.003	14.984	15.011	VV	50	537	0.14%	0.085%
207	15.054	15.011	15.062	VV	86	1870	0.47%	0.296%
208	15.067	15.062	15.096	VV	76	1181	0.30%	0.187%
209	15.107	15.096	15.129	VV	58	777	0.20%	0.123%
210	15.135	15.129	15.172	VV	30	690	0.17%	0.109%
211	15.225	15.172	15.238	VV	51	1499	0.38%	0.238%
212	15.263	15.238	15.281	VV	48	851	0.21%	0.135%
213	15.305	15.281	15.335	VV	33	793	0.20%	0.126%
214	15.414	15.335	15.471	VV	114	6308	1.59%	0.999%
215	15.479	15.471	15.490	VV	70	748	0.19%	0.119%
216	15.501	15.490	15.509	VV	71	709	0.18%	0.112%
217	15.522	15.509	15.532	VV	71	849	0.21%	0.135%
218	15.539	15.532	15.551	VV	63	570	0.14%	0.090%
219	15.559	15.551	15.605	VV	38	964	0.24%	0.153%
220	15.621	15.605	15.641	VV	37	631	0.16%	0.100%
221	15.693	15.641	15.735	VV	60	2259	0.57%	0.358%
222	15.755	15.735	15.765	VV	59	843	0.21%	0.134%
223	15.776	15.765	15.785	VV	64	594	0.15%	0.094%
224	15.804	15.785	15.816	VV	68	1025	0.26%	0.162%
225	15.824	15.816	15.836	VV	50	524	0.13%	0.083%
226	15.848	15.836	15.869	VV	59	974	0.25%	0.154%
227	15.884	15.869	15.893	VV	46	603	0.15%	0.095%
228	15.933	15.893	15.942	VV	68	1528	0.39%	0.242%
229	15.955	15.942	16.004	VV	62	1748	0.44%	0.277%
230	16.015	16.004	16.039	VV	36	584	0.15%	0.093%
231	16.078	16.039	16.091	VV	28	546	0.14%	0.086%
232	16.200	16.091	16.281	VV	218	10930	2.76%	1.732%
233	16.287	16.281	16.302	VV	34	335	0.08%	0.053%
234	16.314	16.302	16.330	VV	33	409	0.10%	0.065%
235	16.372	16.330	16.392	VV	49	1100	0.28%	0.174%
236	16.400	16.392	16.408	VV	33	284	0.07%	0.045%
237	16.422	16.408	16.447	VV	45	680	0.17%	0.108%
238	16.505	16.447	16.516	VV	31	680	0.17%	0.108%
239	16.525	16.516	16.533	VV	26	157	0.04%	0.025%
240	16.544	16.533	16.561	VV	15	172	0.04%	0.027%
241	16.602	16.561	16.616	PV	31	699	0.18%	0.111%
242	16.628	16.616	16.672	VV	25	581	0.15%	0.092%
243	16.685	16.672	16.709	VV	13	163	0.04%	0.026%
244	16.717	16.709	16.737	VV	26	240	0.06%	0.038%
245	16.758	16.737	16.778	PV	21	221	0.06%	0.035%
246	16.787	16.778	16.801	VBA	18	103	0.03%	0.016%

rters
Sum of corrected areas: 631206

FB042325.M Wed May 14 09:05:40 2025

Report of Analysis

Client:	CDM Smith	Date Collected:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-13	SDG No.:	Q2010
Lab Sample ID:	Q2010-02	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	84.4
Sample Wt/Vol:	4.61	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Final Vol:	5
GPC Factor :		Test:	Gasoline Range Organics
Prep Method :		Injection Volume :	

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031740.D	50	05/14/25 12:26	FB051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	531	U	531	2890	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	18.1		50 - 150	91%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051425\
Data File : FB031740.D
Signal(s) : FID2B.CH
Acq On : 14 May 2025 12:26
Operator : YP/AJ
Sample : Q2010-02 50X
Misc : 4.61G/5.00 ML MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-13

Integration File: Calibration.e
Quant Time: May 15 04:28:38 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	416158	18.147 ng/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

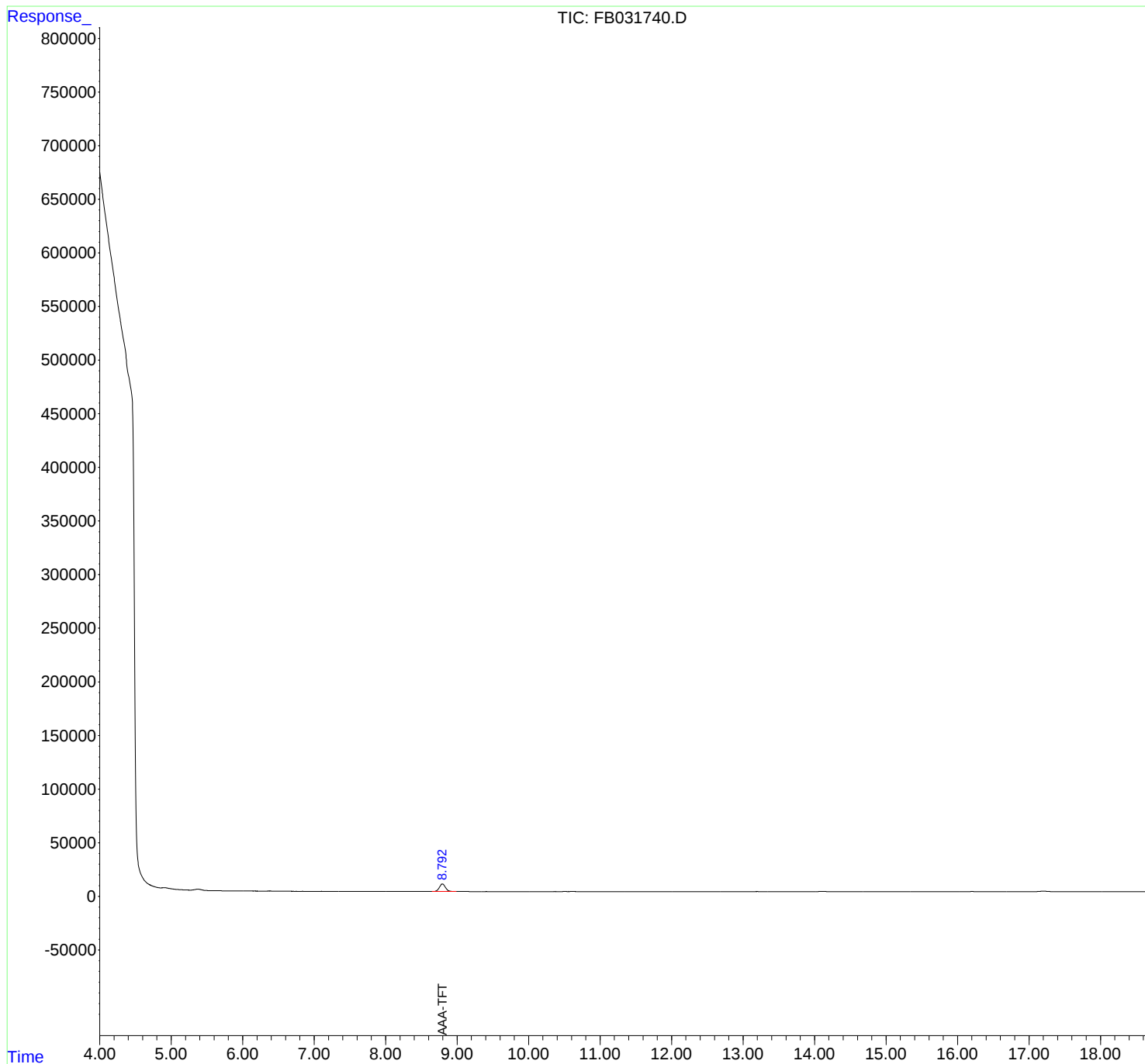
(m)=manual int.

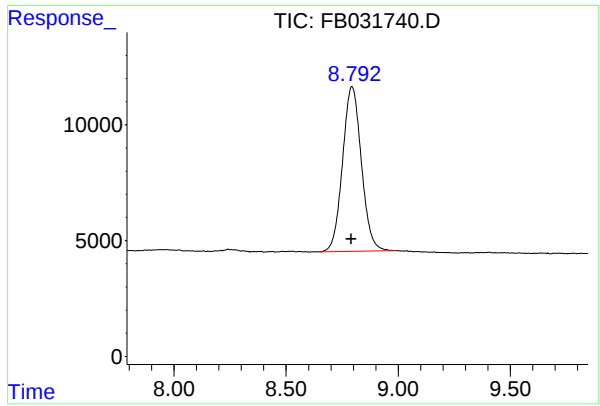
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051425\
Data File : FB031740.D
Signal(s) : FID2B.CH
Acq On : 14 May 2025 12:26
Operator : YP/AJ
Sample : Q2010-02 50X
Misc : 4.61G/5.00 ML MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-13

Integration File: Calibration.e
Quant Time: May 15 04:28:38 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 min
Response: 416158
Conc: 18.15 ng/ml

Instrument :
FID_B
ClientSampleId :
TP-13

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051425\
 Data File : FB031740.D
 Signal(s) : FID2B.CH
 Acq On : 14 May 2025 12:26
 Sample : Q2010-02 50X
 Misc : 4.61G/5.00 ML MEOH
 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	5.769	5.759	5.796	PV	10	60	0.01%	0.009%
2	5.804	5.796	5.887	PV	16	233	0.05%	0.035%
3	5.895	5.887	5.978	PV	21	71	0.02%	0.011%
4	5.986	5.978	6.052	PV	16	383	0.09%	0.058%
5	6.062	6.052	6.116	VV	21	615	0.14%	0.094%
6	6.149	6.116	6.157	VV	38	593	0.14%	0.090%
7	6.165	6.157	6.191	VV	35	695	0.16%	0.106%
8	6.201	6.191	6.246	VV	51	1182	0.28%	0.180%
9	6.259	6.246	6.283	VV	42	579	0.14%	0.088%
10	6.293	6.283	6.303	VV	36	314	0.07%	0.048%
11	6.349	6.303	6.543	VV	122	9401	2.20%	1.433%
12	6.555	6.543	6.634	PV	17	423	0.10%	0.064%
13	6.643	6.634	6.662	PV	19	121	0.03%	0.019%
14	6.668	6.662	6.696	VV	7	57	0.01%	0.009%
15	6.712	6.696	6.740	VV	12	185	0.04%	0.028%
16	6.750	6.740	6.769	VV	26	213	0.05%	0.033%
17	6.777	6.769	6.794	VV	17	98	0.02%	0.015%
18	6.838	6.823	6.858	VV	37	564	0.13%	0.086%
19	6.867	6.858	6.886	VV	34	509	0.12%	0.078%
20	6.893	6.886	6.978	VV	34	873	0.20%	0.133%
21	7.047	6.978	7.059	PV	73	1566	0.37%	0.239%
22	7.077	7.059	7.154	VV	81	3552	0.83%	0.542%
23	7.161	7.154	7.180	VV	46	538	0.13%	0.082%
24	7.190	7.180	7.213	VV	38	578	0.14%	0.088%
25	7.237	7.213	7.259	VV	41	672	0.16%	0.102%
26	7.276	7.259	7.303	PV	29	570	0.13%	0.087%
27	7.312	7.303	7.393	VV	37	1300	0.30%	0.198%
28	7.403	7.393	7.415	VV	35	310	0.07%	0.047%
29	7.425	7.415	7.436	VV	24	225	0.05%	0.034%
30	7.442	7.436	7.474	VV	19	331	0.08%	0.050%
31	7.490	7.474	7.501	VV	18	196	0.05%	0.030%
32	7.508	7.501	7.535	VV	21	291	0.07%	0.044%
33	7.588	7.535	7.613	PV	33	665	0.16%	0.101%
34	7.621	7.613	7.638	VV	22	254	0.06%	0.039%
35	7.644	7.638	7.668	VV	23	371	0.09%	0.057%
36	7.681	7.668	7.698	VV	40	423	0.10%	0.064%

					rtetes				
37	7.709	7.698	7.731	VV	30	427	0.10%	0.065%	
38	7.747	7.731	7.774	VV	44	847	0.20%	0.129%	
39	7.777	7.774	7.790	VV	40	236	0.06%	0.036%	
40	7.804	7.790	7.830	VV	23	383	0.09%	0.058%	
41	7.836	7.830	7.841	VV	22	107	0.03%	0.016%	
42	7.872	7.841	7.882	VV	50	788	0.18%	0.120%	
43	7.892	7.882	7.899	VV	49	450	0.11%	0.069%	
44	7.909	7.899	7.913	VV	58	468	0.11%	0.071%	
45	7.945	7.913	7.954	VV	74	1522	0.36%	0.232%	
46	7.965	7.954	8.010	VV	73	2090	0.49%	0.319%	
47	8.022	8.010	8.053	VV	62	1065	0.25%	0.162%	
48	8.061	8.053	8.119	VV	36	827	0.19%	0.126%	
49	8.130	8.119	8.144	VV	28	271	0.06%	0.041%	
50	8.153	8.144	8.162	VV	28	157	0.04%	0.024%	
51	8.242	8.162	8.262	VV	114	3323	0.78%	0.507%	
52	8.269	8.262	8.367	VV	92	2592	0.61%	0.395%	
53	8.389	8.367	8.404	VV	27	370	0.09%	0.056%	
54	8.442	8.404	8.462	PV	25	459	0.11%	0.070%	
55	8.487	8.462	8.506	VV	36	666	0.16%	0.102%	
56	8.531	8.506	8.544	VV	44	763	0.18%	0.116%	
57	8.566	8.544	8.576	VV	30	496	0.12%	0.076%	
58	8.585	8.576	8.609	VV	24	355	0.08%	0.054%	
59	8.637	8.609	8.648	VV	31	504	0.12%	0.077%	
60	8.794	8.648	8.989	VV	7176	427714	100.00%	65.206%	
61	8.998	8.989	9.028	VV	99	2032	0.48%	0.310%	
62	9.040	9.028	9.074	VV	93	1968	0.46%	0.300%	
63	9.080	9.074	9.112	VV	63	1232	0.29%	0.188%	
64	9.120	9.112	9.141	VV	54	798	0.19%	0.122%	
65	9.149	9.141	9.158	VV	43	384	0.09%	0.059%	
66	9.162	9.158	9.219	VV	53	1071	0.25%	0.163%	
67	9.227	9.219	9.238	VV	27	242	0.06%	0.037%	
68	9.246	9.238	9.268	VV	20	223	0.05%	0.034%	
69	9.310	9.268	9.330	VV	32	736	0.17%	0.112%	
70	9.367	9.330	9.376	VV	40	806	0.19%	0.123%	
71	9.411	9.376	9.422	VV	51	1084	0.25%	0.165%	
72	9.431	9.422	9.452	VV	39	533	0.12%	0.081%	
73	9.462	9.452	9.499	VV	38	868	0.20%	0.132%	
74	9.508	9.499	9.533	VV	30	461	0.11%	0.070%	
75	9.540	9.533	9.595	VV	34	770	0.18%	0.117%	
76	9.604	9.595	9.615	VV	15	160	0.04%	0.024%	
77	9.648	9.615	9.682	VV	33	863	0.20%	0.132%	
78	9.715	9.682	9.740	PV	34	703	0.16%	0.107%	
79	9.782	9.740	9.796	VV	33	582	0.14%	0.089%	
80	9.816	9.796	9.853	VV	27	625	0.15%	0.095%	
81	9.900	9.853	9.909	VV	39	959	0.22%	0.146%	
82	9.917	9.909	9.944	VV	35	631	0.15%	0.096%	
83	9.961	9.944	10.032	VV	40	1223	0.29%	0.186%	
84	10.043	10.032	10.056	VV	25	211	0.05%	0.032%	
85	10.066	10.056	10.099	VV	28	301	0.07%	0.046%	
86	10.121	10.099	10.149	VV	37	542	0.13%	0.083%	
87	10.163	10.149	10.183	PV	15	216	0.05%	0.033%	
88	10.229	10.183	10.238	VV	50	813	0.19%	0.124%	
89	10.282	10.238	10.295	VV	72	1511	0.35%	0.230%	

					rteres			
90	10.356	10.295	10.373	VV	85	3338	0.78%	0.509%
91	10.383	10.373	10.435	VV	85	2672	0.62%	0.407%
92	10.452	10.435	10.459	VV	76	1039	0.24%	0.158%
93	10.492	10.459	10.505	VV	118	2537	0.59%	0.387%
94	10.523	10.505	10.565	VV	107	3389	0.79%	0.517%
95	10.619	10.565	10.728	VV	133	8598	2.01%	1.311%
96	10.737	10.728	10.746	VV	42	415	0.10%	0.063%
97	10.757	10.746	10.810	VV	49	1506	0.35%	0.230%
98	10.822	10.810	10.912	VV	42	1551	0.36%	0.236%
99	10.953	10.912	10.975	VV	45	989	0.23%	0.151%
100	10.991	10.975	11.015	VV	46	789	0.18%	0.120%
101	11.039	11.015	11.062	VV	47	804	0.19%	0.123%
102	11.070	11.062	11.077	VV	25	180	0.04%	0.027%
103	11.087	11.077	11.109	VV	34	478	0.11%	0.073%
104	11.139	11.109	11.159	VV	29	648	0.15%	0.099%
105	11.164	11.159	11.184	VV	26	268	0.06%	0.041%
106	11.192	11.184	11.203	VV	21	177	0.04%	0.027%
107	11.219	11.203	11.242	VV	30	409	0.10%	0.062%
108	11.252	11.242	11.270	VV	24	247	0.06%	0.038%
109	11.298	11.270	11.312	VV	27	437	0.10%	0.067%
110	11.326	11.312	11.351	VV	34	460	0.11%	0.070%
111	11.365	11.351	11.383	VV	31	412	0.10%	0.063%
112	11.434	11.383	11.459	PV	49	1334	0.31%	0.203%
113	11.471	11.459	11.479	VV	64	621	0.15%	0.095%
114	11.499	11.479	11.516	VV	59	1050	0.25%	0.160%
115	11.547	11.516	11.617	VV	54	2314	0.54%	0.353%
116	11.627	11.617	11.642	VV	39	451	0.11%	0.069%
117	11.651	11.642	11.682	VV	32	577	0.13%	0.088%
118	11.687	11.682	11.696	VV	28	190	0.04%	0.029%
119	11.714	11.696	11.723	VV	38	437	0.10%	0.067%
120	11.750	11.723	11.773	VV	39	885	0.21%	0.135%
121	11.781	11.773	11.791	VV	42	249	0.06%	0.038%
122	11.832	11.791	11.854	VV	31	821	0.19%	0.125%
123	11.866	11.854	11.875	VV	41	433	0.10%	0.066%
124	11.883	11.875	11.899	VV	46	496	0.12%	0.076%
125	11.907	11.899	11.948	VV	36	805	0.19%	0.123%
126	11.979	11.948	12.008	VV	34	675	0.16%	0.103%
127	12.017	12.008	12.024	VV	33	245	0.06%	0.037%
128	12.035	12.024	12.046	VV	46	380	0.09%	0.058%
129	12.063	12.046	12.087	VV	32	544	0.13%	0.083%
130	12.098	12.087	12.106	VV	30	244	0.06%	0.037%
131	12.132	12.106	12.166	VV	22	632	0.15%	0.096%
132	12.174	12.166	12.214	VV	20	424	0.10%	0.065%
133	12.225	12.214	12.234	VV	20	182	0.04%	0.028%
134	12.256	12.234	12.268	VV	28	391	0.09%	0.060%
135	12.280	12.268	12.294	VV	17	230	0.05%	0.035%
136	12.311	12.294	12.319	VV	29	332	0.08%	0.051%
137	12.326	12.319	12.356	VV	31	412	0.10%	0.063%
138	12.368	12.356	12.387	VV	22	287	0.07%	0.044%
139	12.436	12.387	12.448	VV	29	658	0.15%	0.100%
140	12.473	12.448	12.488	VV	22	343	0.08%	0.052%
141	12.504	12.488	12.528	VV	32	473	0.11%	0.072%

					rteres			
142	12.561	12.528	12.576	VV	25	558	0.13%	0.085%
143	12.613	12.576	12.625	VV	46	754	0.18%	0.115%
144	12.641	12.625	12.670	VV	30	653	0.15%	0.099%
145	12.684	12.670	12.691	VV	27	295	0.07%	0.045%
146	12.701	12.691	12.708	VV	40	302	0.07%	0.046%
147	12.739	12.708	12.755	VV	55	1206	0.28%	0.184%
148	12.762	12.755	12.783	VV	46	687	0.16%	0.105%
149	12.799	12.783	12.823	VV	50	746	0.17%	0.114%
150	12.830	12.823	12.836	VV	26	147	0.03%	0.022%
151	12.872	12.836	12.886	VV	48	974	0.23%	0.148%
152	12.903	12.886	12.918	VV	52	859	0.20%	0.131%
153	12.926	12.918	12.951	VV	47	766	0.18%	0.117%
154	12.968	12.951	12.987	VV	44	740	0.17%	0.113%
155	13.002	12.987	13.011	VV	51	572	0.13%	0.087%
156	13.046	13.011	13.054	VV	62	1395	0.33%	0.213%
157	13.063	13.054	13.117	VV	69	1800	0.42%	0.274%
158	13.198	13.117	13.296	VV	152	8734	2.04%	1.332%
159	13.311	13.296	13.328	VV	26	439	0.10%	0.067%
160	13.335	13.328	13.347	VV	26	286	0.07%	0.044%
161	13.356	13.347	13.377	VV	33	394	0.09%	0.060%
162	13.403	13.377	13.424	VV	29	441	0.10%	0.067%
163	13.432	13.424	13.444	PV	27	182	0.04%	0.028%
164	13.461	13.444	13.475	VV	20	256	0.06%	0.039%
165	13.490	13.475	13.541	VV	32	753	0.18%	0.115%
166	13.549	13.541	13.557	VV	20	156	0.04%	0.024%
167	13.579	13.557	13.616	VV	26	666	0.16%	0.102%
168	13.649	13.616	13.661	VV	31	551	0.13%	0.084%
169	13.680	13.661	13.697	VV	23	357	0.08%	0.054%
170	13.746	13.697	13.767	VV	32	865	0.20%	0.132%
171	13.772	13.767	13.780	VV	22	121	0.03%	0.018%
172	13.798	13.780	13.808	VV	39	389	0.09%	0.059%
173	13.816	13.808	13.839	VV	39	394	0.09%	0.060%
174	13.926	13.839	13.948	VV	101	4098	0.96%	0.625%
175	13.955	13.948	13.990	VV	89	1738	0.41%	0.265%
176	13.998	13.990	14.009	VV	58	612	0.14%	0.093%
177	14.115	14.009	14.232	VV	201	16715	3.91%	2.548%
178	14.239	14.232	14.264	VV	48	628	0.15%	0.096%
179	14.274	14.264	14.292	VV	33	423	0.10%	0.065%
180	14.305	14.292	14.311	VV	35	316	0.07%	0.048%
181	14.329	14.311	14.347	VV	51	878	0.21%	0.134%
182	14.365	14.347	14.383	VV	59	983	0.23%	0.150%
183	14.407	14.383	14.416	VV	44	741	0.17%	0.113%
184	14.422	14.416	14.435	VV	40	342	0.08%	0.052%
185	14.445	14.435	14.461	VV	42	415	0.10%	0.063%
186	14.470	14.461	14.498	VV	21	217	0.05%	0.033%
187	14.516	14.498	14.529	PV	13	122	0.03%	0.019%
188	14.542	14.529	14.555	VV	27	213	0.05%	0.032%
189	14.576	14.555	14.618	PB	18	323	0.08%	0.049%
190	14.688	14.641	14.704	BV	13	131	0.03%	0.020%
191	14.772	14.704	14.790	PV	20	441	0.10%	0.067%
192	14.811	14.790	14.830	PV	18	294	0.07%	0.045%
193	14.878	14.830	14.899	VV	31	710	0.17%	0.108%
194	15.057	14.899	15.181	PV	124	6691	1.56%	1.020%

[illegible]

FB042325.M Thu May 15 04:53:51 2025

Report of Analysis

Client:	CDM Smith	Date Collected:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-14	SDG No.:	Q2010
Lab Sample ID:	Q2010-03	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	80.7
Sample Wt/Vol:	5.96	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Gasoline Range Organics
GPC Factor :		Injection Volume :	
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031731.D	1	05/13/25 23:40	FB051325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	9.00	U	9.00	47.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	15.8		50 - 150	79%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051325\
Data File : FB031731.D
Signal(s) : FID2B.CH
Acq On : 13 May 2025 23:40
Operator : YP/AJ
Sample : Q2010-03
Misc : 5.96G/5.00 ML DI WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-14

Integration File: Calibration.e
Quant Time: May 14 07:23:54 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	8.795	363089	15.833 ng/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

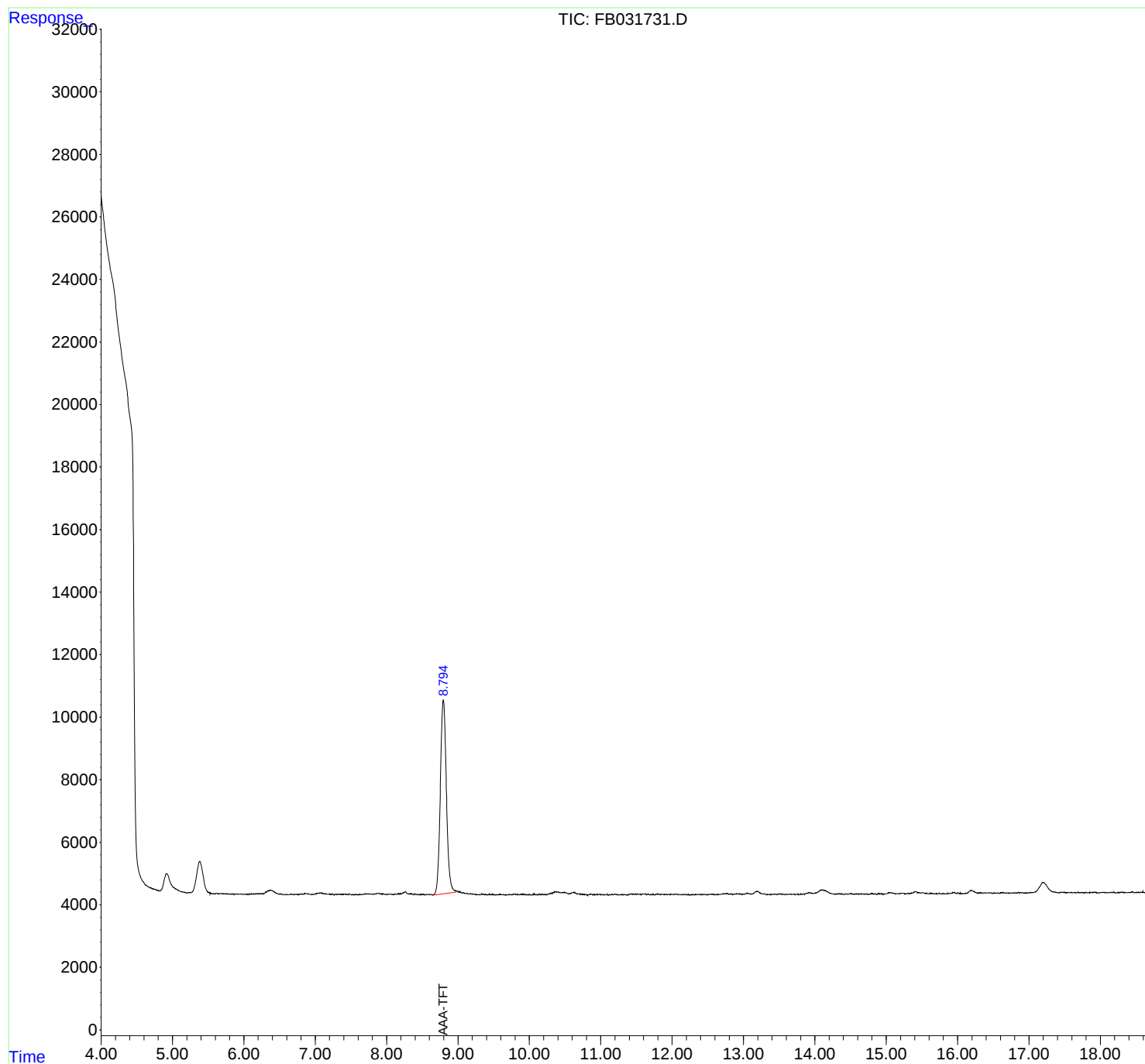
(m)=manual int.

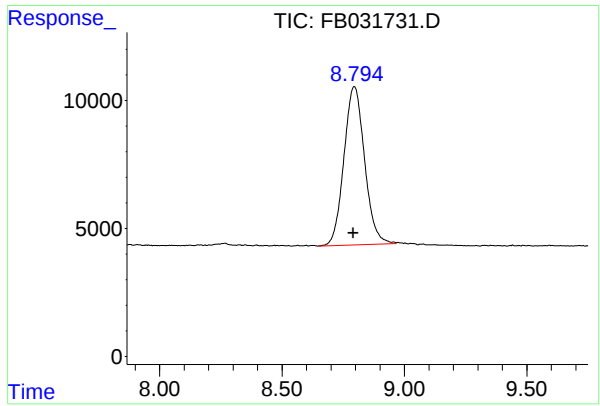
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051325\
Data File : FB031731.D
Signal(s) : FID2B.CH
Acq On : 13 May 2025 23:40
Operator : YP/AJ
Sample : Q2010-03
Misc : 5.96G/5.00 ML DI WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-14

Integration File: Calibration.e
Quant Time: May 14 07:23:54 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.: 8.795 min
Delta R.T.: 0.004 min
Response: 363089
Conc: 15.83 ng/ml

Instrument :
FID_B
ClientSampleId :
TP-14

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051325\
Data File : FB031731.D
Signal(s) : FID2B.CH
Acq On : 13 May 2025 23:40
Sample : Q2010-03
Misc : 5.96G/5.00 ML DI WATER
ALS Vial : 27 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	5.230	5.196	5.239	PV	23	308	0.08%	0.053%
2	5.569	5.559	5.579	PV	17	100	0.03%	0.017%
3	5.617	5.579	5.625	VV	21	293	0.08%	0.051%
4	5.631	5.625	5.650	VV	24	191	0.05%	0.033%
5	5.667	5.650	5.678	PV	21	260	0.07%	0.045%
6	5.687	5.678	5.696	VV	15	135	0.04%	0.023%
7	5.705	5.696	5.741	VV	21	376	0.10%	0.065%
8	5.751	5.741	5.821	VV	22	448	0.12%	0.078%
9	5.835	5.821	5.866	PV	18	229	0.06%	0.040%
10	5.876	5.866	5.897	VV	12	188	0.05%	0.032%
11	5.908	5.897	5.917	VV	16	124	0.03%	0.021%
12	5.960	5.917	5.980	VV	17	348	0.09%	0.060%
13	5.988	5.980	6.006	PV	15	70	0.02%	0.012%
14	6.016	6.006	6.073	VV	10	317	0.09%	0.055%
15	6.085	6.073	6.113	VV	22	332	0.09%	0.057%
16	6.143	6.113	6.157	VV	33	483	0.13%	0.084%
17	6.168	6.157	6.177	VV	38	285	0.08%	0.049%
18	6.198	6.177	6.209	VV	37	491	0.13%	0.085%
19	6.217	6.209	6.225	VV	33	251	0.07%	0.043%
20	6.236	6.225	6.243	VV	38	323	0.09%	0.056%
21	6.251	6.243	6.278	VV	40	602	0.16%	0.104%
22	6.339	6.278	6.345	VV	131	3143	0.84%	0.544%
23	6.376	6.345	6.495	VV	148	8110	2.18%	1.404%
24	6.513	6.495	6.525	VV	33	431	0.12%	0.075%
25	6.535	6.525	6.553	VV	21	219	0.06%	0.038%
26	6.573	6.553	6.589	VV	14	180	0.05%	0.031%
27	6.609	6.589	6.620	PV	15	162	0.04%	0.028%
28	6.664	6.620	6.689	VV	27	489	0.13%	0.085%
29	6.695	6.689	6.702	VV	12	72	0.02%	0.012%
30	6.711	6.702	6.729	VV	17	201	0.05%	0.035%
31	6.741	6.729	6.777	VV	21	422	0.11%	0.073%
32	6.802	6.777	6.812	VV	40	471	0.13%	0.081%
33	6.859	6.812	6.871	VV	51	1014	0.27%	0.176%
34	6.885	6.871	6.895	VV	42	538	0.14%	0.093%
35	6.904	6.895	6.948	VV	36	677	0.18%	0.117%
36	6.957	6.948	6.975	VV	18	246	0.07%	0.042%

					rters			
37	7.013	6.975	7.020	VV	45	728	0.20%	0.126%
38	7.056	7.020	7.073	VV	64	1685	0.45%	0.292%
39	7.079	7.073	7.085	VV	62	425	0.11%	0.074%
40	7.092	7.085	7.120	VV	67	1102	0.30%	0.191%
41	7.128	7.120	7.190	VV	43	1299	0.35%	0.225%
42	7.197	7.190	7.228	VV	29	492	0.13%	0.085%
43	7.242	7.228	7.270	VV	37	390	0.10%	0.068%
44	7.284	7.270	7.301	VV	25	312	0.08%	0.054%
45	7.336	7.301	7.345	VV	26	541	0.15%	0.094%
46	7.353	7.345	7.376	VV	31	375	0.10%	0.065%
47	7.384	7.376	7.390	VV	23	170	0.05%	0.029%
48	7.405	7.390	7.415	VV	29	355	0.10%	0.061%
49	7.425	7.415	7.467	VV	27	567	0.15%	0.098%
50	7.477	7.467	7.513	VV	37	487	0.13%	0.084%
51	7.525	7.513	7.541	VV	18	172	0.05%	0.030%
52	7.568	7.541	7.580	PV	24	300	0.08%	0.052%
53	7.598	7.580	7.621	VV	16	232	0.06%	0.040%
54	7.658	7.621	7.677	VV	24	567	0.15%	0.098%
55	7.712	7.677	7.722	VV	46	842	0.23%	0.146%
56	7.743	7.722	7.769	VV	40	969	0.26%	0.168%
57	7.792	7.769	7.816	VV	39	800	0.21%	0.138%
58	7.828	7.816	7.838	VV	34	399	0.11%	0.069%
59	7.880	7.838	7.896	VV	58	1525	0.41%	0.264%
60	7.911	7.896	7.931	VV	59	960	0.26%	0.166%
61	7.955	7.931	8.002	VV	41	1127	0.30%	0.195%
62	8.014	8.002	8.027	VV	27	329	0.09%	0.057%
63	8.052	8.027	8.086	VV	33	870	0.23%	0.151%
64	8.096	8.086	8.112	VV	28	355	0.10%	0.061%
65	8.125	8.112	8.143	VV	37	500	0.13%	0.087%
66	8.170	8.143	8.180	VV	53	831	0.22%	0.144%
67	8.203	8.180	8.211	VV	50	699	0.19%	0.121%
68	8.268	8.211	8.313	VV	111	4235	1.14%	0.733%
69	8.327	8.313	8.342	VV	52	693	0.19%	0.120%
70	8.351	8.342	8.381	VV	50	751	0.20%	0.130%
71	8.397	8.381	8.420	VV	45	591	0.16%	0.102%
72	8.431	8.420	8.448	VV	31	360	0.10%	0.062%
73	8.469	8.448	8.490	VV	33	476	0.13%	0.082%
74	8.505	8.490	8.518	VV	28	359	0.10%	0.062%
75	8.527	8.518	8.538	VV	27	177	0.05%	0.031%
76	8.566	8.538	8.582	VV	33	415	0.11%	0.072%
77	8.600	8.582	8.610	VV	34	323	0.09%	0.056%
78	8.631	8.610	8.648	VV	27	375	0.10%	0.065%
79	8.795	8.648	8.967	VV	6243	372851	100.00%	64.526%
80	8.974	8.967	9.016	VV	149	3647	0.98%	0.631%
81	9.025	9.016	9.056	VV	114	2289	0.61%	0.396%
82	9.078	9.056	9.111	VV	89	2229	0.60%	0.386%
83	9.124	9.111	9.153	VV	62	1288	0.35%	0.223%
84	9.176	9.153	9.278	VV	51	2438	0.65%	0.422%
85	9.292	9.278	9.310	VV	29	377	0.10%	0.065%
86	9.330	9.310	9.347	VV	38	564	0.15%	0.098%
87	9.353	9.347	9.377	VV	41	497	0.13%	0.086%
88	9.383	9.377	9.402	VV	31	328	0.09%	0.057%
89	9.408	9.402	9.422	VV	27	182	0.05%	0.032%

					rteres				
90	9.443	9.422	9.458	VV	49	540	0.14%	0.093%	
91	9.467	9.458	9.477	VV	26	237	0.06%	0.041%	
92	9.486	9.477	9.498	VV	38	329	0.09%	0.057%	
93	9.508	9.498	9.528	VV	28	365	0.10%	0.063%	
94	9.593	9.528	9.628	VV	46	1299	0.35%	0.225%	
95	9.638	9.628	9.662	VV	26	386	0.10%	0.067%	
96	9.669	9.662	9.691	VV	21	265	0.07%	0.046%	
97	9.715	9.691	9.741	VV	32	613	0.16%	0.106%	
98	9.757	9.741	9.765	VV	26	277	0.07%	0.048%	
99	9.791	9.765	9.801	VV	43	703	0.19%	0.122%	
100	9.807	9.801	9.818	VV	46	288	0.08%	0.050%	
101	9.835	9.818	9.842	VV	33	341	0.09%	0.059%	
102	9.850	9.842	9.865	VV	31	311	0.08%	0.054%	
103	9.882	9.865	9.889	VV	34	389	0.10%	0.067%	
104	9.900	9.889	9.934	VV	41	791	0.21%	0.137%	
105	9.942	9.934	9.964	VV	32	401	0.11%	0.069%	
106	9.974	9.964	9.988	VV	28	279	0.07%	0.048%	
107	10.003	9.988	10.034	VV	35	491	0.13%	0.085%	
108	10.065	10.034	10.098	VV	57	1103	0.30%	0.191%	
109	10.110	10.098	10.123	VV	27	305	0.08%	0.053%	
110	10.133	10.123	10.171	VV	44	811	0.22%	0.140%	
111	10.186	10.171	10.199	VV	41	486	0.13%	0.084%	
112	10.221	10.199	10.237	VV	40	617	0.17%	0.107%	
113	10.369	10.237	10.383	VV	123	6145	1.65%	1.063%	
114	10.393	10.383	10.402	VV	114	1247	0.33%	0.216%	
115	10.411	10.402	10.440	VV	110	2236	0.60%	0.387%	
116	10.457	10.440	10.478	VV	93	2027	0.54%	0.351%	
117	10.489	10.478	10.549	VV	102	3388	0.91%	0.586%	
118	10.565	10.549	10.576	VV	66	946	0.25%	0.164%	
119	10.619	10.576	10.627	VV	99	2440	0.65%	0.422%	
120	10.633	10.627	10.666	VV	101	1768	0.47%	0.306%	
121	10.677	10.666	10.694	VV	53	833	0.22%	0.144%	
122	10.704	10.694	10.728	VV	54	866	0.23%	0.150%	
123	10.737	10.728	10.753	VV	46	558	0.15%	0.097%	
124	10.762	10.753	10.788	VV	41	624	0.17%	0.108%	
125	10.798	10.788	10.819	VV	32	473	0.13%	0.082%	
126	10.870	10.819	10.888	VV	48	1302	0.35%	0.225%	
127	10.910	10.888	10.920	VV	42	526	0.14%	0.091%	
128	10.934	10.920	10.944	VV	34	392	0.11%	0.068%	
129	10.954	10.944	10.964	VV	38	350	0.09%	0.061%	
130	10.993	10.964	11.005	VV	47	787	0.21%	0.136%	
131	11.016	11.005	11.025	VV	35	349	0.09%	0.060%	
132	11.042	11.025	11.053	VV	37	421	0.11%	0.073%	
133	11.062	11.053	11.072	VV	26	230	0.06%	0.040%	
134	11.093	11.072	11.106	VV	51	629	0.17%	0.109%	
135	11.123	11.106	11.141	PV	34	467	0.13%	0.081%	
136	11.158	11.141	11.178	VV	53	679	0.18%	0.117%	
137	11.198	11.178	11.224	VV	47	974	0.26%	0.168%	
138	11.237	11.224	11.259	VV	36	542	0.15%	0.094%	
139	11.300	11.259	11.314	VV	31	797	0.21%	0.138%	
140	11.323	11.314	11.345	VV	35	514	0.14%	0.089%	
141	11.354	11.345	11.369	VV	33	320	0.09%	0.055%	

					rteres			
142	11.403	11.369	11.412	VV	41	715	0.19%	0.124%
143	11.433	11.412	11.467	VV	58	1361	0.37%	0.236%
144	11.518	11.467	11.554	VV	53	1906	0.51%	0.330%
145	11.596	11.554	11.617	VV	48	1414	0.38%	0.245%
146	11.626	11.617	11.654	VV	49	670	0.18%	0.116%
147	11.667	11.654	11.686	VV	49	633	0.17%	0.110%
148	11.707	11.686	11.716	VV	28	384	0.10%	0.067%
149	11.732	11.716	11.757	VV	32	592	0.16%	0.102%
150	11.777	11.757	11.786	VV	41	494	0.13%	0.086%
151	11.794	11.786	11.832	VV	48	874	0.23%	0.151%
152	11.862	11.832	11.902	VV	37	1171	0.31%	0.203%
153	11.923	11.902	11.938	VV	31	529	0.14%	0.091%
154	11.955	11.938	11.967	VV	36	457	0.12%	0.079%
155	11.988	11.967	12.014	VV	40	770	0.21%	0.133%
156	12.022	12.014	12.028	VV	31	209	0.06%	0.036%
157	12.041	12.028	12.052	VV	34	429	0.12%	0.074%
158	12.065	12.052	12.085	VV	35	576	0.15%	0.100%
159	12.096	12.085	12.105	VV	26	257	0.07%	0.045%
160	12.118	12.105	12.135	VV	29	391	0.10%	0.068%
161	12.168	12.135	12.211	VV	28	937	0.25%	0.162%
162	12.227	12.211	12.243	VV	39	377	0.10%	0.065%
163	12.256	12.243	12.280	VV	20	250	0.07%	0.043%
164	12.294	12.280	12.304	VV	25	250	0.07%	0.043%
165	12.338	12.304	12.352	VV	27	511	0.14%	0.089%
166	12.367	12.352	12.378	VV	26	322	0.09%	0.056%
167	12.384	12.378	12.412	VV	31	452	0.12%	0.078%
168	12.450	12.412	12.517	VV	30	1168	0.31%	0.202%
169	12.537	12.517	12.547	VV	29	394	0.11%	0.068%
170	12.559	12.547	12.620	VV	41	900	0.24%	0.156%
171	12.711	12.620	12.720	VV	43	1362	0.37%	0.236%
172	12.775	12.720	12.790	VV	61	1767	0.47%	0.306%
173	12.798	12.790	12.814	VV	37	448	0.12%	0.077%
174	12.826	12.814	12.857	VV	38	730	0.20%	0.126%
175	12.906	12.857	12.931	VV	48	1432	0.38%	0.248%
176	12.941	12.931	12.950	VV	51	421	0.11%	0.073%
177	12.959	12.950	12.981	VV	33	490	0.13%	0.085%
178	12.990	12.981	12.997	VV	35	248	0.07%	0.043%
179	13.045	12.997	13.123	VV	59	2906	0.78%	0.503%
180	13.189	13.123	13.285	VV	121	6778	1.82%	1.173%
181	13.290	13.285	13.321	VV	37	540	0.14%	0.093%
182	13.333	13.321	13.368	VV	18	342	0.09%	0.059%
183	13.388	13.368	13.397	VV	19	248	0.07%	0.043%
184	13.448	13.397	13.460	VV	27	670	0.18%	0.116%
185	13.494	13.460	13.502	VV	34	464	0.12%	0.080%
186	13.525	13.502	13.541	VV	34	553	0.15%	0.096%
187	13.551	13.541	13.575	VV	31	350	0.09%	0.061%
188	13.606	13.575	13.621	VV	20	368	0.10%	0.064%
189	13.652	13.621	13.664	VV	27	417	0.11%	0.072%
190	13.676	13.664	13.692	VV	22	249	0.07%	0.043%
191	13.708	13.692	13.735	VV	29	363	0.10%	0.063%
192	13.753	13.735	13.777	VV	32	410	0.11%	0.071%
193	13.805	13.777	13.821	VV	27	451	0.12%	0.078%
194	13.837	13.821	13.855	VV	29	431	0.12%	0.075%

					rteres			
195	13.915	13.855	13.967	VV	67	3235	0.87%	0.560%
196	13.976	13.967	13.989	VV	52	613	0.16%	0.106%
197	14.088	13.989	14.099	VV	160	6087	1.63%	1.053%
198	14.115	14.099	14.146	VV	160	4031	1.08%	0.698%
199	14.154	14.146	14.277	VV	135	4613	1.24%	0.798%
200	14.296	14.277	14.307	VV	32	323	0.09%	0.056%
201	14.341	14.307	14.367	VV	36	777	0.21%	0.135%
202	14.374	14.367	14.415	VV	31	433	0.12%	0.075%
203	14.435	14.415	14.460	VV	27	462	0.12%	0.080%
204	14.499	14.460	14.506	VV	38	605	0.16%	0.105%
205	14.514	14.506	14.529	VV	39	331	0.09%	0.057%
206	14.552	14.529	14.562	VV	17	239	0.06%	0.041%
207	14.604	14.562	14.691	VV	29	1256	0.34%	0.217%
208	14.718	14.691	14.754	VV	20	434	0.12%	0.075%
209	14.788	14.754	14.866	VV	37	1169	0.31%	0.202%
210	14.892	14.866	14.932	VV	31	809	0.22%	0.140%
211	14.941	14.932	14.957	VV	32	218	0.06%	0.038%
212	15.054	14.957	15.128	PV	60	3362	0.90%	0.582%
213	15.142	15.128	15.178	VV	24	602	0.16%	0.104%
214	15.225	15.178	15.273	VV	34	1323	0.35%	0.229%
215	15.411	15.273	15.492	VV	82	5378	1.44%	0.931%
216	15.509	15.492	15.562	VV	50	1445	0.39%	0.250%
217	15.566	15.562	15.609	VV	23	437	0.12%	0.076%
218	15.631	15.609	15.698	VV	30	818	0.22%	0.142%
219	15.707	15.698	15.723	VV	22	144	0.04%	0.025%
220	15.743	15.723	15.779	PV	27	306	0.08%	0.053%
221	15.798	15.779	15.821	PV	14	210	0.06%	0.036%
222	15.839	15.821	15.879	PV	11	222	0.06%	0.038%
223	15.953	15.879	15.993	VV	44	1823	0.49%	0.315%
224	16.004	15.993	16.087	VV	35	662	0.18%	0.115%
225	16.190	16.087	16.294	VV	115	6068	1.63%	1.050%
226	16.313	16.294	16.361	VV	38	904	0.24%	0.156%
227	16.376	16.361	16.397	VV	31	510	0.14%	0.088%
228	16.433	16.397	16.494	VV	25	1147	0.31%	0.199%
229	16.509	16.494	16.541	PV	21	392	0.11%	0.068%
230	16.560	16.541	16.580	VV	24	330	0.09%	0.057%
231	16.627	16.580	16.740	PV	29	1301	0.35%	0.225%
232	16.759	16.740	16.783	PV	10	156	0.04%	0.027%
			Sum of corrected areas:				577835	

FB042325.M Wed May 14 09:15:07 2025

Report of Analysis

Client:	CDM Smith	Date Collected:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-17	SDG No.:	Q2010
Lab Sample ID:	Q2010-04	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	77.4
Sample Wt/Vol:	7	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Final Vol:	5
GPC Factor :		PH :	
Prep Method :		Decanted:	
		Test:	Gasoline Range Organics
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031720.D	1	05/13/25 17:44	FB051325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	19.0	J	8.00	42.0	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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051325\
Data File : FB031720.D
Signal(s) : FID2B.CH
Acq On : 13 May 2025 17:44
Operator : YP/AJ
Sample : Q2010-04
Misc : 7.00G/5.00 ML DI WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-17

Integration File: Calibration.e
Quant Time: May 14 07:22:12 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	8.796	387346	16.890 ng/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

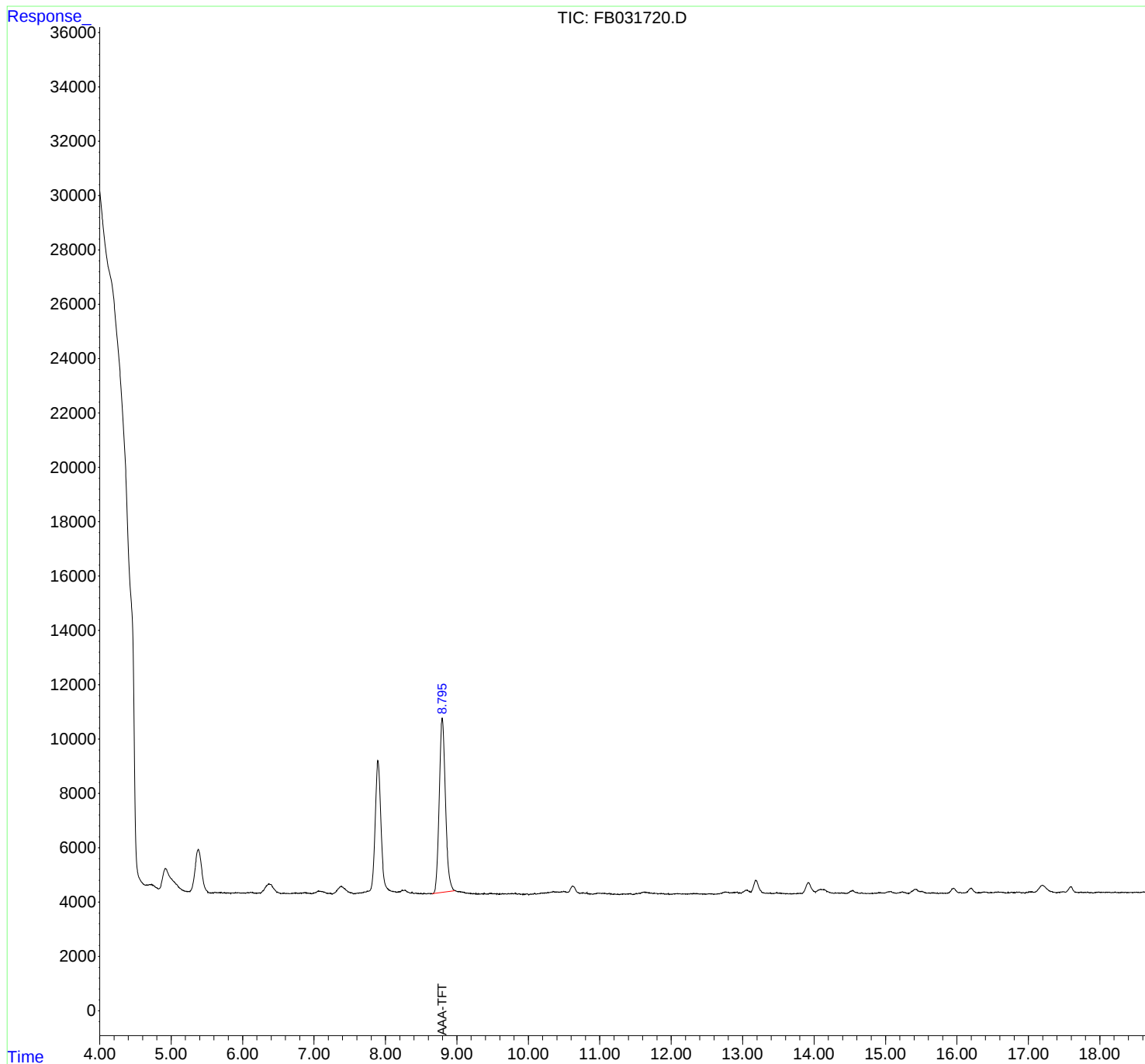
(m)=manual int.

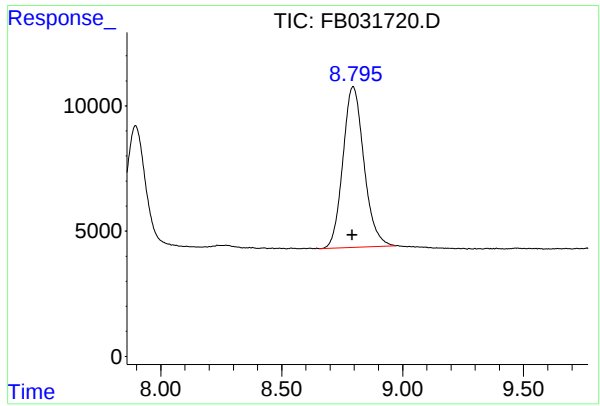
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051325\
Data File : FB031720.D
Signal(s) : FID2B.CH
Acq On : 13 May 2025 17:44
Operator : YP/AJ
Sample : Q2010-04
Misc : 7.00G/5.00 ML DI WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-17

Integration File: Calibration.e
Quant Time: May 14 07:22:12 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.: 8.796 min

Delta R.T.: 0.004 min

Response: 387346

Conc: 16.89 ng/ml

Instrument :

FID_B

ClientSampleId :

TP-17

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051325\
 Data File : FB031720.D
 Signal(s) : FID2B.CH
 Acq On : 13 May 2025 17:44
 Sample : Q2010-04
 Misc : 7.00G/5.00 ML DI WATER
 ALS Vial : 14 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	4.659	4.604	4.681	BV	7	-74	-0.02%	-0.007%
2	4.712	4.681	4.724	VV	68	1387	0.34%	0.129%
3	4.731	4.724	4.826	VV	90	2451	0.60%	0.228%
4	5.231	5.220	5.260	PV	11	238	0.06%	0.022%
5	5.550	5.541	5.561	PV	14	85	0.02%	0.008%
6	5.581	5.561	5.591	VV	13	150	0.04%	0.014%
7	5.613	5.591	5.628	VV	36	493	0.12%	0.046%
8	5.633	5.628	5.642	VV	29	177	0.04%	0.016%
9	5.673	5.642	5.695	VV	33	690	0.17%	0.064%
10	5.703	5.695	5.720	VV	35	326	0.08%	0.030%
11	5.749	5.720	5.772	VV	27	458	0.11%	0.043%
12	5.781	5.772	5.790	VV	20	134	0.03%	0.012%
13	5.798	5.790	5.835	VV	24	306	0.08%	0.028%
14	5.866	5.835	5.877	PV	21	371	0.09%	0.034%
15	5.899	5.877	5.915	VV	29	402	0.10%	0.037%
16	5.943	5.915	5.988	VV	29	835	0.21%	0.078%
17	6.005	5.988	6.020	VV	29	336	0.08%	0.031%
18	6.029	6.020	6.040	VV	24	216	0.05%	0.020%
19	6.069	6.040	6.077	VV	35	533	0.13%	0.050%
20	6.083	6.077	6.096	VV	30	283	0.07%	0.026%
21	6.113	6.096	6.129	VV	47	698	0.17%	0.065%
22	6.138	6.129	6.161	VV	46	560	0.14%	0.052%
23	6.169	6.161	6.207	VV	25	430	0.11%	0.040%
24	6.216	6.207	6.223	VV	28	194	0.05%	0.018%
25	6.237	6.223	6.254	VV	28	404	0.10%	0.038%
26	6.371	6.254	6.543	VV	361	29867	7.34%	2.776%
27	6.583	6.543	6.600	VV	26	553	0.14%	0.051%
28	6.630	6.600	6.668	VV	16	406	0.10%	0.038%
29	6.682	6.668	6.693	VV	19	229	0.06%	0.021%
30	6.703	6.693	6.711	VV	26	221	0.05%	0.021%
31	6.723	6.711	6.730	VV	34	300	0.07%	0.028%
32	6.737	6.730	6.752	VV	42	392	0.10%	0.036%
33	6.761	6.752	6.775	VV	36	329	0.08%	0.031%
34	6.785	6.775	6.800	VV	24	307	0.08%	0.029%
35	6.807	6.800	6.820	VV	34	347	0.09%	0.032%
36	6.837	6.820	6.850	VV	33	534	0.13%	0.050%

					rteres			
37	6.857	6.850	6.860	VV	48	249	0.06%	0.023%
38	6.870	6.860	6.903	VV	51	1101	0.27%	0.102%
39	6.912	6.903	6.969	VV	30	886	0.22%	0.082%
40	7.062	6.969	7.072	VV	108	3549	0.87%	0.330%
41	7.080	7.072	7.137	VV	110	3543	0.87%	0.329%
42	7.144	7.137	7.201	VV	78	1826	0.45%	0.170%
43	7.214	7.201	7.224	VV	34	336	0.08%	0.031%
44	7.237	7.224	7.252	VV	31	335	0.08%	0.031%
45	7.387	7.252	7.551	PV	287	24063	5.91%	2.236%
46	7.568	7.551	7.579	VV	28	355	0.09%	0.033%
47	7.590	7.579	7.599	VV	39	341	0.08%	0.032%
48	7.616	7.599	7.626	VV	49	639	0.16%	0.059%
49	7.644	7.626	7.658	VV	59	931	0.23%	0.087%
50	7.704	7.658	7.714	VV	86	2179	0.54%	0.203%
51	7.746	7.714	7.754	VV	124	2237	0.55%	0.208%
52	7.896	7.754	8.162	VV	4925	293107	72.04%	27.240%
53	8.184	8.162	8.192	VV	91	1559	0.38%	0.145%
54	8.234	8.192	8.244	VV	158	3688	0.91%	0.343%
55	8.271	8.244	8.360	VV	155	7278	1.79%	0.676%
56	8.369	8.360	8.404	VV	68	1320	0.32%	0.123%
57	8.428	8.404	8.451	VV	54	1107	0.27%	0.103%
58	8.462	8.451	8.483	VV	47	605	0.15%	0.056%
59	8.491	8.483	8.500	VV	41	337	0.08%	0.031%
60	8.508	8.500	8.521	VV	34	336	0.08%	0.031%
61	8.540	8.521	8.567	VV	43	814	0.20%	0.076%
62	8.594	8.567	8.603	VV	36	593	0.15%	0.055%
63	8.618	8.603	8.661	VV	40	1064	0.26%	0.099%
64	8.796	8.661	9.019	VV	6504	406853	100.00%	37.811%
65	9.028	9.019	9.036	VV	117	1101	0.27%	0.102%
66	9.044	9.036	9.052	VV	109	1005	0.25%	0.093%
67	9.061	9.052	9.132	VV	106	3873	0.95%	0.360%
68	9.142	9.132	9.219	VV	62	2357	0.58%	0.219%
69	9.231	9.219	9.242	VV	46	489	0.12%	0.045%
70	9.253	9.242	9.266	VV	44	442	0.11%	0.041%
71	9.275	9.266	9.290	VV	41	353	0.09%	0.033%
72	9.300	9.290	9.330	VV	41	597	0.15%	0.055%
73	9.349	9.330	9.422	VV	39	1632	0.40%	0.152%
74	9.465	9.422	9.514	VV	54	2023	0.50%	0.188%
75	9.524	9.514	9.534	VV	44	419	0.10%	0.039%
76	9.565	9.534	9.583	VV	40	874	0.21%	0.081%
77	9.642	9.583	9.658	VV	42	1173	0.29%	0.109%
78	9.677	9.658	9.701	VV	42	858	0.21%	0.080%
79	9.720	9.701	9.731	VV	51	602	0.15%	0.056%
80	9.762	9.731	9.771	VV	52	905	0.22%	0.084%
81	9.779	9.771	9.799	VV	44	633	0.16%	0.059%
82	9.816	9.799	9.846	VV	64	1164	0.29%	0.108%
83	9.877	9.846	9.901	VV	43	886	0.22%	0.082%
84	9.914	9.901	9.961	VV	25	720	0.18%	0.067%
85	9.985	9.961	10.010	VV	42	658	0.16%	0.061%
86	10.032	10.010	10.042	PV	38	401	0.10%	0.037%
87	10.058	10.042	10.068	VV	31	367	0.09%	0.034%
88	10.092	10.068	10.112	VV	55	972	0.24%	0.090%
89	10.182	10.112	10.198	VV	63	2424	0.60%	0.225%

					rteres			
90	10.214	10.198	10.223	VV	68	914	0.22%	0.085%
91	10.235	10.223	10.253	VV	76	1226	0.30%	0.114%
92	10.271	10.253	10.294	VV	85	1907	0.47%	0.177%
93	10.326	10.294	10.339	VV	104	2499	0.61%	0.232%
94	10.352	10.339	10.374	VV	118	2286	0.56%	0.212%
95	10.381	10.374	10.416	VV	102	2478	0.61%	0.230%
96	10.419	10.416	10.435	VV	103	1167	0.29%	0.108%
97	10.444	10.435	10.451	VV	104	908	0.22%	0.084%
98	10.468	10.451	10.480	VV	111	1811	0.45%	0.168%
99	10.496	10.480	10.540	VV	125	3923	0.96%	0.365%
100	10.621	10.540	10.722	VV	320	18579	4.57%	1.727%
101	10.741	10.722	10.758	VV	68	1275	0.31%	0.119%
102	10.764	10.758	10.793	VV	73	1283	0.32%	0.119%
103	10.822	10.793	10.838	VV	71	1407	0.35%	0.131%
104	10.849	10.838	10.902	VV	50	1076	0.26%	0.100%
105	10.980	10.902	10.992	VV	56	2175	0.53%	0.202%
106	11.002	10.992	11.028	VV	55	1093	0.27%	0.102%
107	11.039	11.028	11.048	VV	55	564	0.14%	0.052%
108	11.061	11.048	11.076	VV	55	809	0.20%	0.075%
109	11.084	11.076	11.106	VV	48	707	0.17%	0.066%
110	11.133	11.106	11.148	VV	56	947	0.23%	0.088%
111	11.160	11.148	11.184	VV	44	534	0.13%	0.050%
112	11.210	11.184	11.227	VV	26	446	0.11%	0.041%
113	11.237	11.227	11.245	VV	18	148	0.04%	0.014%
114	11.255	11.245	11.278	VV	21	220	0.05%	0.020%
115	11.331	11.278	11.341	VV	25	666	0.16%	0.062%
116	11.355	11.341	11.367	VV	35	349	0.09%	0.032%
117	11.380	11.367	11.402	VV	28	466	0.11%	0.043%
118	11.428	11.402	11.464	VV	44	912	0.22%	0.085%
119	11.513	11.464	11.525	PV	50	805	0.20%	0.075%
120	11.623	11.525	11.640	VV	91	4425	1.09%	0.411%
121	11.648	11.640	11.705	VV	91	2758	0.68%	0.256%
122	11.724	11.705	11.750	VV	55	1335	0.33%	0.124%
123	11.765	11.750	11.774	VV	59	697	0.17%	0.065%
124	11.781	11.774	11.820	VV	47	1021	0.25%	0.095%
125	11.849	11.820	11.857	VV	40	737	0.18%	0.068%
126	11.869	11.857	11.880	VV	41	465	0.11%	0.043%
127	11.895	11.880	11.911	VV	45	565	0.14%	0.052%
128	11.920	11.911	11.939	VV	21	279	0.07%	0.026%
129	11.961	11.939	11.978	VV	34	395	0.10%	0.037%
130	11.986	11.978	11.990	VV	11	57	0.01%	0.005%
131	11.999	11.990	12.008	VV	14	122	0.03%	0.011%
132	12.043	12.008	12.052	VV	31	521	0.13%	0.048%
133	12.089	12.052	12.105	VV	37	923	0.23%	0.086%
134	12.116	12.105	12.148	VV	32	617	0.15%	0.057%
135	12.159	12.148	12.170	VV	27	276	0.07%	0.026%
136	12.178	12.170	12.231	VV	19	611	0.15%	0.057%
137	12.280	12.231	12.292	VV	31	747	0.18%	0.069%
138	12.313	12.292	12.323	VV	40	525	0.13%	0.049%
139	12.331	12.323	12.355	VV	38	569	0.14%	0.053%
140	12.364	12.355	12.396	VV	34	593	0.15%	0.055%
141	12.408	12.396	12.461	VV	21	636	0.16%	0.059%

					rteres			
142	12.468	12.461	12.486	VV	17	185	0.05%	0.017%
143	12.537	12.486	12.545	VV	28	609	0.15%	0.057%
144	12.553	12.545	12.564	VV	28	235	0.06%	0.022%
145	12.572	12.564	12.592	VV	22	240	0.06%	0.022%
146	12.609	12.592	12.634	VV	14	230	0.06%	0.021%
147	12.657	12.634	12.667	VV	27	360	0.09%	0.033%
148	12.670	12.667	12.676	VV	25	115	0.03%	0.011%
149	12.694	12.676	12.709	VV	45	694	0.17%	0.065%
150	12.757	12.709	12.796	VV	87	3690	0.91%	0.343%
151	12.804	12.796	12.817	VV	83	861	0.21%	0.080%
152	12.829	12.817	12.859	VV	61	1390	0.34%	0.129%
153	12.927	12.859	12.942	VV	87	3288	0.81%	0.306%
154	12.962	12.942	12.982	VV	66	1212	0.30%	0.113%
155	13.047	12.982	13.060	VV	150	4914	1.21%	0.457%
156	13.064	13.060	13.115	VV	154	3717	0.91%	0.345%
157	13.184	13.115	13.326	VV	519	28158	6.92%	2.617%
158	13.340	13.326	13.365	VV	49	844	0.21%	0.078%
159	13.393	13.365	13.413	VV	51	987	0.24%	0.092%
160	13.480	13.413	13.507	VV	57	1940	0.48%	0.180%
161	13.517	13.507	13.525	VV	42	406	0.10%	0.038%
162	13.531	13.525	13.584	VV	49	1090	0.27%	0.101%
163	13.593	13.584	13.608	VV	28	294	0.07%	0.027%
164	13.625	13.608	13.655	VV	26	418	0.10%	0.039%
165	13.665	13.655	13.678	VV	27	183	0.05%	0.017%
166	13.693	13.678	13.703	VV	17	177	0.04%	0.016%
167	13.720	13.703	13.732	VV	25	295	0.07%	0.027%
168	13.741	13.732	13.750	VV	20	195	0.05%	0.018%
169	13.764	13.750	13.772	VV	33	308	0.08%	0.029%
170	13.802	13.772	13.811	VV	33	602	0.15%	0.056%
171	13.818	13.811	13.834	VV	31	339	0.08%	0.031%
172	13.919	13.834	14.020	VV	424	24002	5.90%	2.231%
173	14.088	14.020	14.104	VV	174	6816	1.68%	0.633%
174	14.113	14.104	14.131	VV	170	2693	0.66%	0.250%
175	14.142	14.131	14.254	VV	163	6887	1.69%	0.640%
176	14.264	14.254	14.281	VV	42	519	0.13%	0.048%
177	14.297	14.281	14.318	VV	43	721	0.18%	0.067%
178	14.331	14.318	14.341	VV	44	500	0.12%	0.046%
179	14.348	14.341	14.368	VV	40	525	0.13%	0.049%
180	14.386	14.368	14.398	VV	49	630	0.15%	0.059%
181	14.409	14.398	14.426	VV	44	567	0.14%	0.053%
182	14.436	14.426	14.451	VV	32	374	0.09%	0.035%
183	14.538	14.451	14.634	VV	124	7195	1.77%	0.669%
184	14.644	14.634	14.655	VV	30	344	0.08%	0.032%
185	14.668	14.655	14.705	VV	45	849	0.21%	0.079%
186	14.721	14.705	14.733	VV	25	294	0.07%	0.027%
187	14.753	14.733	14.775	VV	22	419	0.10%	0.039%
188	14.783	14.775	14.790	VV	18	130	0.03%	0.012%
189	14.855	14.790	14.864	VV	31	877	0.22%	0.081%
190	14.870	14.864	14.876	VV	27	166	0.04%	0.015%
191	14.905	14.876	14.922	VV	53	975	0.24%	0.091%
192	14.932	14.922	14.953	VV	52	728	0.18%	0.068%
193	14.962	14.953	14.974	VV	38	403	0.10%	0.037%
194	15.079	14.974	15.132	VV	89	5298	1.30%	0.492%

					rters			
195	15.138	15.132	15.151	VV	31	295	0.07%	0.027%
196	15.206	15.151	15.214	VV	57	1367	0.34%	0.127%
197	15.234	15.214	15.308	VV	74	2630	0.65%	0.244%
198	15.319	15.308	15.328	VV	26	219	0.05%	0.020%
199	15.421	15.328	15.494	VV	164	10221	2.51%	0.950%
200	15.509	15.494	15.587	VV	90	3013	0.74%	0.280%
201	15.603	15.587	15.632	VV	28	618	0.15%	0.057%
202	15.643	15.632	15.714	VV	29	1184	0.29%	0.110%
203	15.726	15.714	15.746	VV	35	289	0.07%	0.027%
204	15.766	15.746	15.779	PV	22	283	0.07%	0.026%
205	15.792	15.779	15.810	VV	20	294	0.07%	0.027%
206	15.824	15.810	15.863	VV	18	485	0.12%	0.045%
207	15.954	15.863	16.029	VV	200	9746	2.40%	0.906%
208	16.049	16.029	16.085	VV	43	1007	0.25%	0.094%
209	16.198	16.085	16.284	VV	188	9970	2.45%	0.927%
210	16.385	16.284	16.453	VV	54	3307	0.81%	0.307%
211	16.473	16.453	16.514	VV	28	891	0.22%	0.083%
212	16.545	16.514	16.565	VV	45	1065	0.26%	0.099%
213	16.582	16.565	16.692	VV	40	2293	0.56%	0.213%
214	16.764	16.692	16.787	PV	22	781	0.19%	0.073%
				Sum of corrected areas:		1076026		

FB042325.M Wed May 14 09:09:15 2025



CALIBRATION SUMMARY

GASOLINE RANGE ORGANICS INITIAL CALIBRATION SUMMARY

Lab Name: Chemtech Contract: CAMP02
 ProjectID: South River WM Replacement
 Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG No.: Q2010

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

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.: Q2010 SAS No.: Q2010 SDG No.: Q2010
DataFile: FB031704.D Analyst Name: YP/AJ Analyst Date: 05-13-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	5193284	28852	33435	13.707

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051325\
 Data File : FB031704.D
 Signal(s) : FID2B.CH
 Acq On : 13 May 2025 8:44
 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 05/14/2025
 Supervised By :mohammad ahmed 05/15/2025

Integration File: Calibration.e
 Quant Time: May 14 07:19:41 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	8.792	482856	21.055 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.722	436084	19.625 ng/mlm
2) t 2,2,4-Trimethylpentane	7.419	866443	25.365 ng/ml
3) t n-Heptane	7.754	220047	7.154 ng/ml
4) t Benzene	7.893	351204	8.589 ng/ml
6) t Toluene	10.620	1068097	26.809 ng/ml
7) t Ethylbenzene	13.056	331062	9.265 ng/ml
8) t m-Xylene	13.189	726229	18.587 ng/ml
9) t O-Xylene	13.917	688112	18.677 ng/ml
10) t 1,2,4-Trimethylbenzene	16.192	506006	18.759 ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051325\
Data File : FB031704.D
Signal(s) : FID2B.CH
Acq On : 13 May 2025 8:44
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

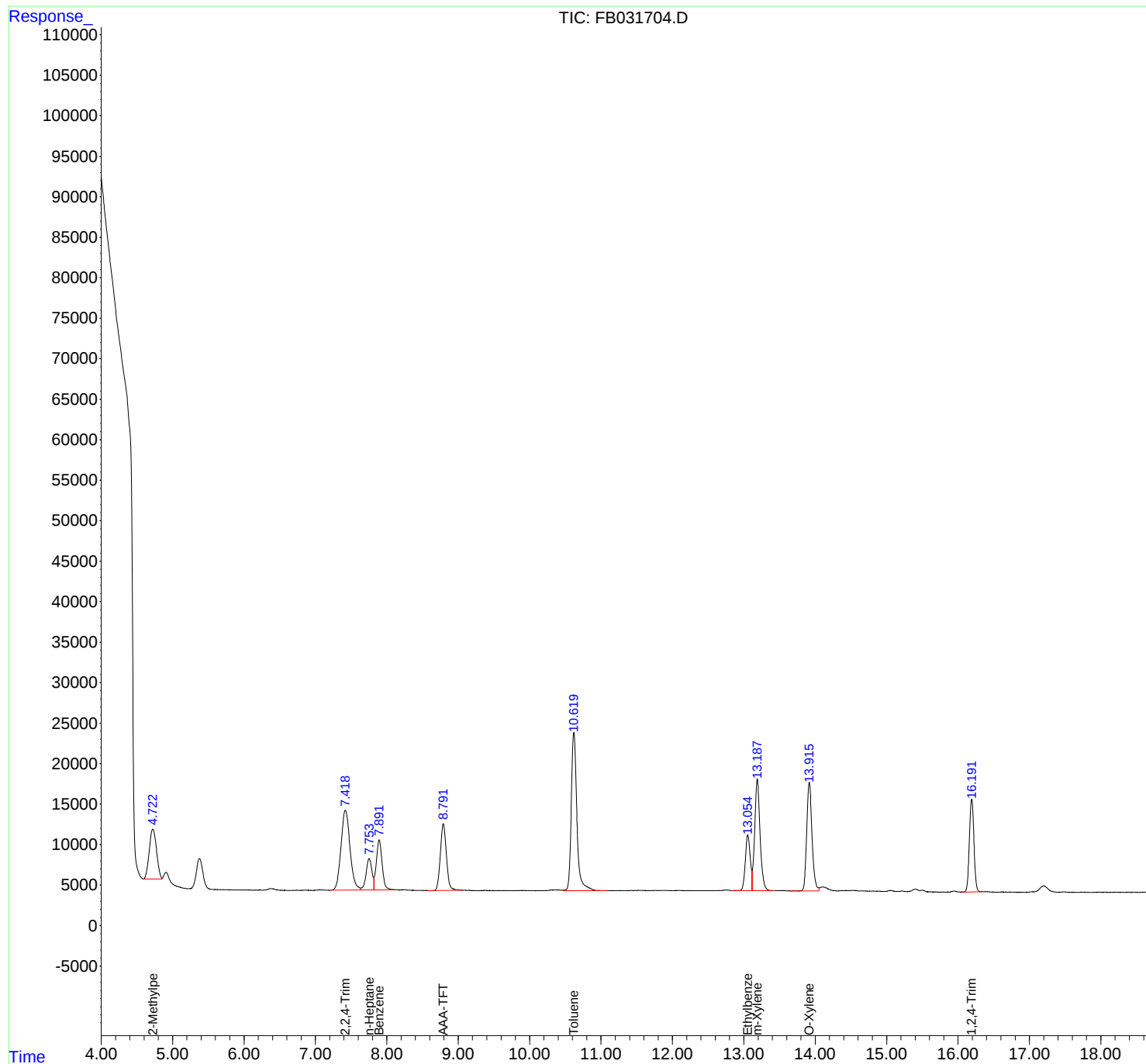
Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/14/2025
Supervised By :mohammad ahmed 05/15/2025

Integration File: Calibration.e
Quant Time: May 14 07:19:41 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

Instrument :
FID_B
LabSampleId :
20 PPB GRO STD
Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB05132
Data File : FB031704.D
Signal(s) : FID2B.CH
Acq On : 13 May 2025 8:44
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 05/14/2025
Supervised By :mohammad ahmed 05/15/2025

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	4.723	4.582	4.854	BV	6420	476698	44.63%	8.339%
2	7.419	7.221	7.635	VV	9869	866443	81.12%	15.156%
3	7.754	7.635	7.818	VV	3880	220047	20.60%	3.849%
4	7.893	7.818	8.117	VV	6195	351204	32.88%	6.143%
5	8.792	8.567	9.066	BV	8240	482856	45.21%	8.446%
6	10.620	10.466	11.095	VV	19563	1068097	100.00%	18.684%
7	13.056	12.829	13.116	VV	6910	331062	31.00%	5.791%
8	13.189	13.116	13.436	VV	13792	726229	67.99%	12.704%
9	13.917	13.636	14.053	BV	13413	688112	64.42%	12.037%
10	16.192	16.060	16.352	BV	11469	506006	47.37%	8.851%

Sum of corrected areas: 5716753

FB042325.M Wed May 14 08:53:51 2025

GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Chemtech Contract: CAMP02
ProjectID: South River WM Replacement
Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG No.: Q2010
DataFile: FB031715.D Analyst Name: YP/AJ Analyst Date: 05-13-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	6372573	35403	33435	5.886

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051325\
 Data File : FB031715.D
 Signal(s) : FID2B.CH
 Acq On : 13 May 2025 14:22
 Operator : YP/AJ
 Sample : 20 PPB GRO STD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 FID_B
 ClientSampleId :
 20 PPB GRO STD

Integration File: Calibration.e
 Quant Time: May 14 07:21:26 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	8.795	529920	23.107 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.727	972198	43.751 ng/ml
2) t 2,2,4-Trimethylpentane	7.427	1096585	32.103 ng/ml
3) t n-Heptane	7.757	368556	11.982 ng/ml
4) t Benzene	7.896	422064	10.321 ng/ml
6) t Toluene	10.623	1191345	29.902 ng/ml
7) t Ethylbenzene	13.059	343246	9.606 ng/ml
8) t m-Xylene	13.193	762109	19.505 ng/ml
9) t O-Xylene	13.921	709764	19.264 ng/ml
10) t 1,2,4-Trimethylbenzene	16.196	506706	18.785 ng/ml

(f)=RT Delta > 1/2 Window

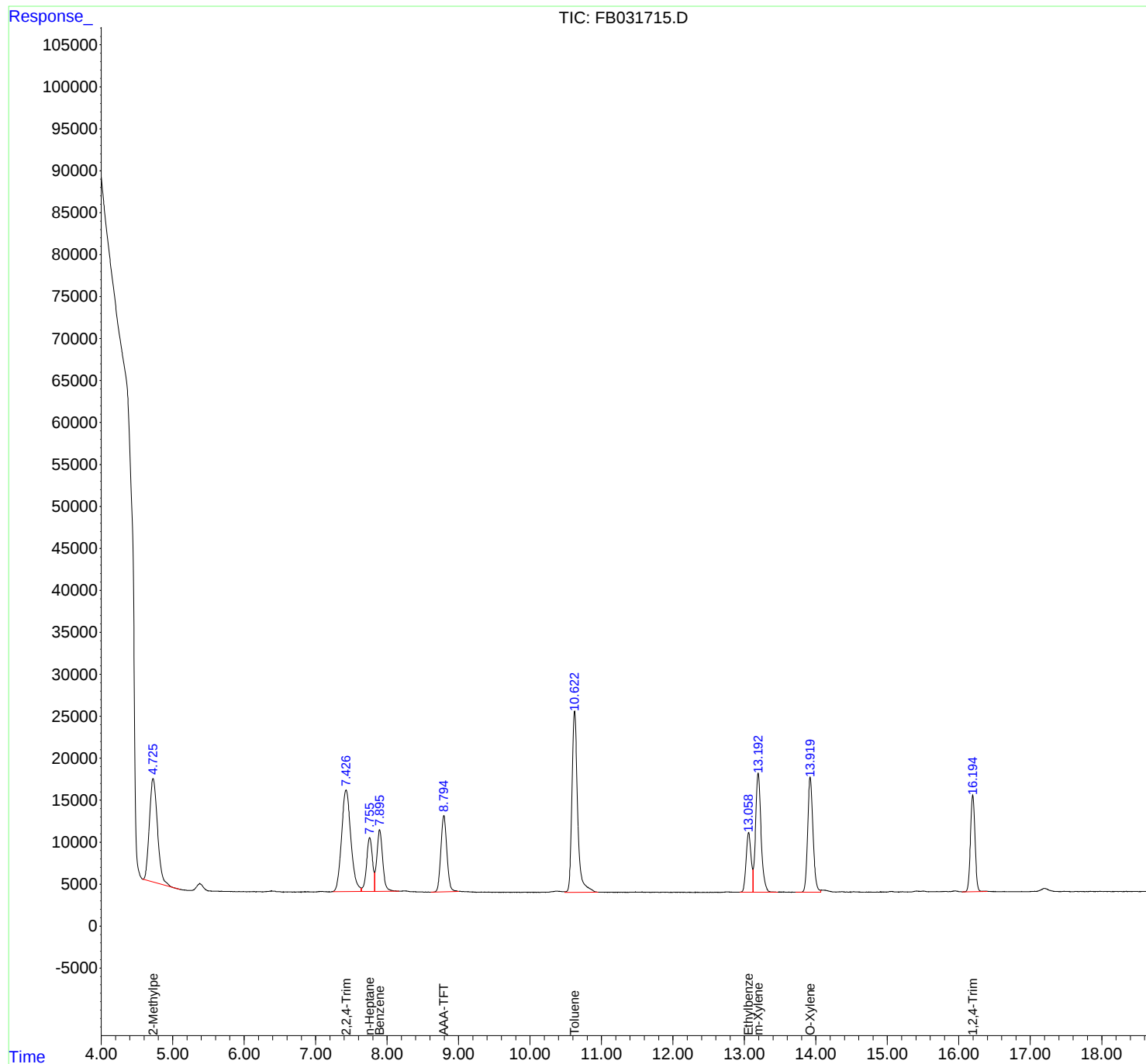
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051325\
Data File : FB031715.D
Signal(s) : FID2B.CH
Acq On : 13 May 2025 14:22
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: May 14 07:21:26 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\FB051325\
Data File : FB031715.D
Signal(s) : FID2B.CH
Acq On : 13 May 2025 14:22
Sample : 20 PPB GRO STD
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	4.727	4.576	5.103	BV	12325	972198	81.61%	14.085%
2	7.427	7.242	7.639	VV	12100	1096585	92.05%	15.887%
3	7.757	7.639	7.826	VV	6415	368556	30.94%	5.339%
4	7.896	7.826	8.169	VV	7349	422064	35.43%	6.115%
5	8.795	8.609	9.005	BV	9096	529920	44.48%	7.677%
6	10.623	10.488	10.956	VV	21601	1191345	100.00%	17.260%
7	13.059	12.932	13.120	BV	7116	343246	28.81%	4.973%
8	13.193	13.120	13.469	VV	14182	762109	63.97%	11.041%
9	13.921	13.714	14.069	BV	13698	709764	59.58%	10.283%
10	16.196	16.043	16.403	PBA	11501	506706	42.53%	7.341%

Sum of corrected areas: 6902493

FB042325.M Wed May 14 08:58:03 2025

GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Chemtech Contract: CAMP02
ProjectID: South River WM Replacement
Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG No.: Q2010
DataFile: FB031726.D Analyst Name: YP/AJ Analyst Date: 05-13-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	5485479	30475	33435	8.853

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051325\
 Data File : FB031726.D
 Signal(s) : FID2B.CH
 Acq On : 13 May 2025 20:30
 Operator : YP/AJ
 Sample : 20 PPB GRO STD
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 FID_B
 ClientSampleId :
 20 PPB GRO STD

Integration File: Calibration.e
 Quant Time: May 14 07:23:08 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	496323	21.642 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.726	509276	22.918 ng/ml
2) t 2,2,4-Trimethylpentane	7.426	925660	27.099 ng/ml
3) t n-Heptane	7.757	246581	8.017 ng/ml
4) t Benzene	7.897	386414	9.450 ng/ml
6) t Toluene	10.624	1138432	28.574 ng/ml
7) t Ethylbenzene	13.060	338542	9.474 ng/ml
8) t m-Xylene	13.194	745553	19.082 ng/ml
9) t O-Xylene	13.921	715303	19.415 ng/ml
10) t 1,2,4-Trimethylbenzene	16.197	479718	17.784 ng/ml

(f)=RT Delta > 1/2 Window

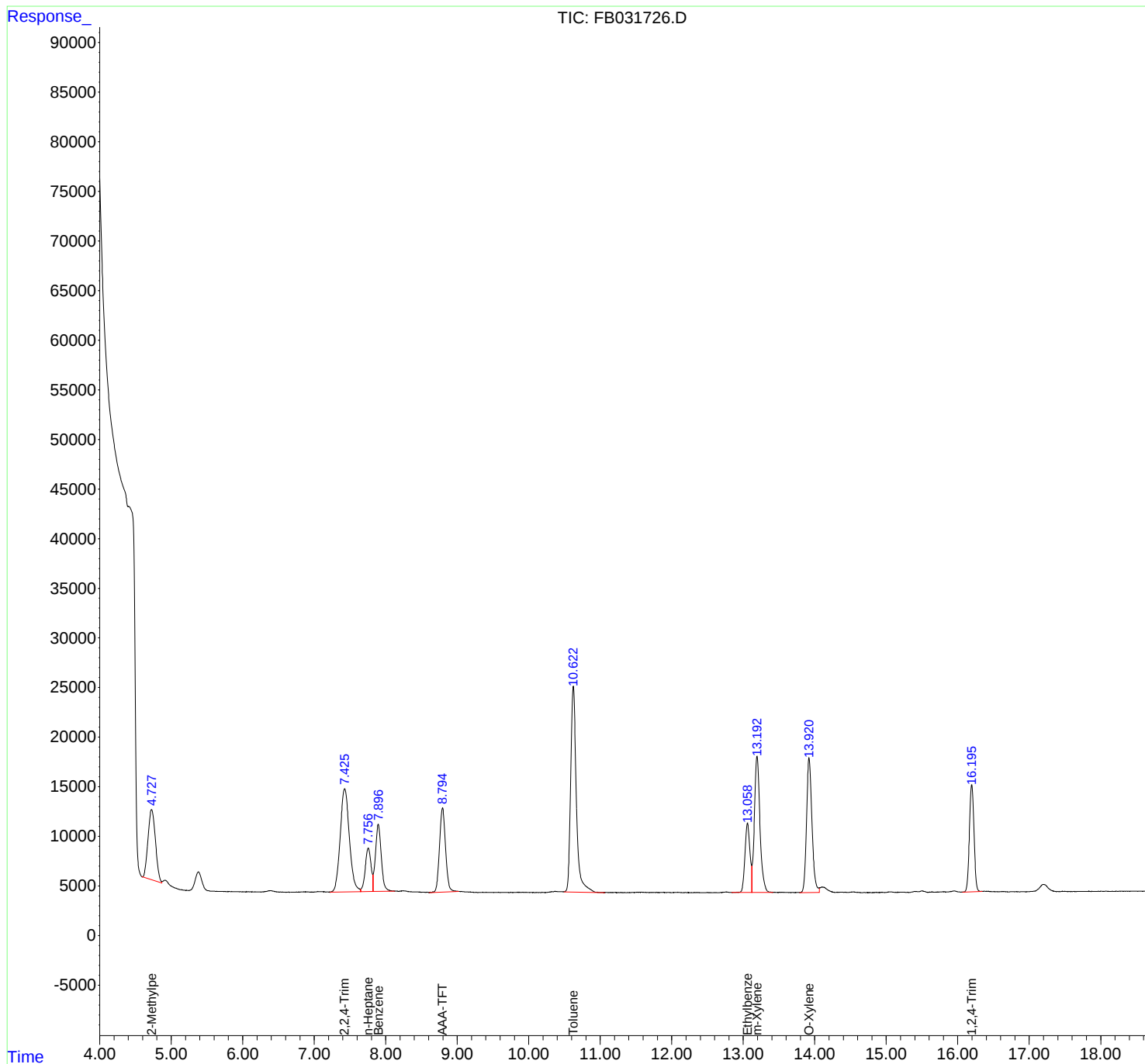
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051325\
Data File : FB031726.D
Signal(s) : FID2B.CH
Acq On : 13 May 2025 20:30
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: May 14 07:23:08 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\FB051325\
Data File : FB031726.D
Signal(s) : FID2B.CH
Acq On : 13 May 2025 20:30
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 20 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	4.587	4.868	BV	7085	509276	44.73%	8.514%
2	7.426	7.218	7.648	PV	10394	925660	81.31%	15.475%
3	7.757	7.648	7.822	VV	4377	246581	21.66%	4.122%
4	7.897	7.822	8.127	VV	6761	386414	33.94%	6.460%
5	8.795	8.604	9.024	PV	8480	496323	43.60%	8.297%
6	10.624	10.491	11.061	PV	20731	1138432	100.00%	19.032%
7	13.060	12.834	13.120	BV	6998	338542	29.74%	5.660%
8	13.194	13.120	13.419	VV	13713	745553	65.49%	12.464%
9	13.921	13.792	14.065	VV	13534	715303	62.83%	11.958%
10	16.197	16.066	16.347	PV	10793	479718	42.14%	8.020%

Sum of corrected areas: 5981803

FB042325.M Wed May 14 08:59:47 2025

GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Chemtech Contract: CAMP02
ProjectID: South River WM Replacement
Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG No.: Q2010
DataFile: FB031734.D Analyst Name: YP/AJ Analyst Date: 05-14-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	5515080	30639	33435	8.362

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051325\
 Data File : FB031734.D
 Signal(s) : FID2B.CH
 Acq On : 14 May 2025 2:24
 Operator : YP/AJ
 Sample : 20 PPB GRO STD
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 FID_B
 ClientSampleId :
 20 PPB GRO STD

Integration File: Calibration.e
 Quant Time: May 14 08:41:42 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	8.794	471173	20.546 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.724	484966	21.824 ng/ml
2) t 2,2,4-Trimethylpentane	7.423	926830	27.133 ng/ml
3) t n-Heptane	7.756	240690	7.825 ng/ml
4) t Benzene	7.896	387697	9.481 ng/ml
6) t Toluene	10.622	1133703	28.455 ng/ml
7) t Ethylbenzene	13.059	344034	9.628 ng/ml
8) t m-Xylene	13.193	761514	19.490 ng/ml
9) t O-Xylene	13.920	727902	19.757 ng/ml
10) t 1,2,4-Trimethylbenzene	16.195	507744	18.823 ng/ml

(f)=RT Delta > 1/2 Window

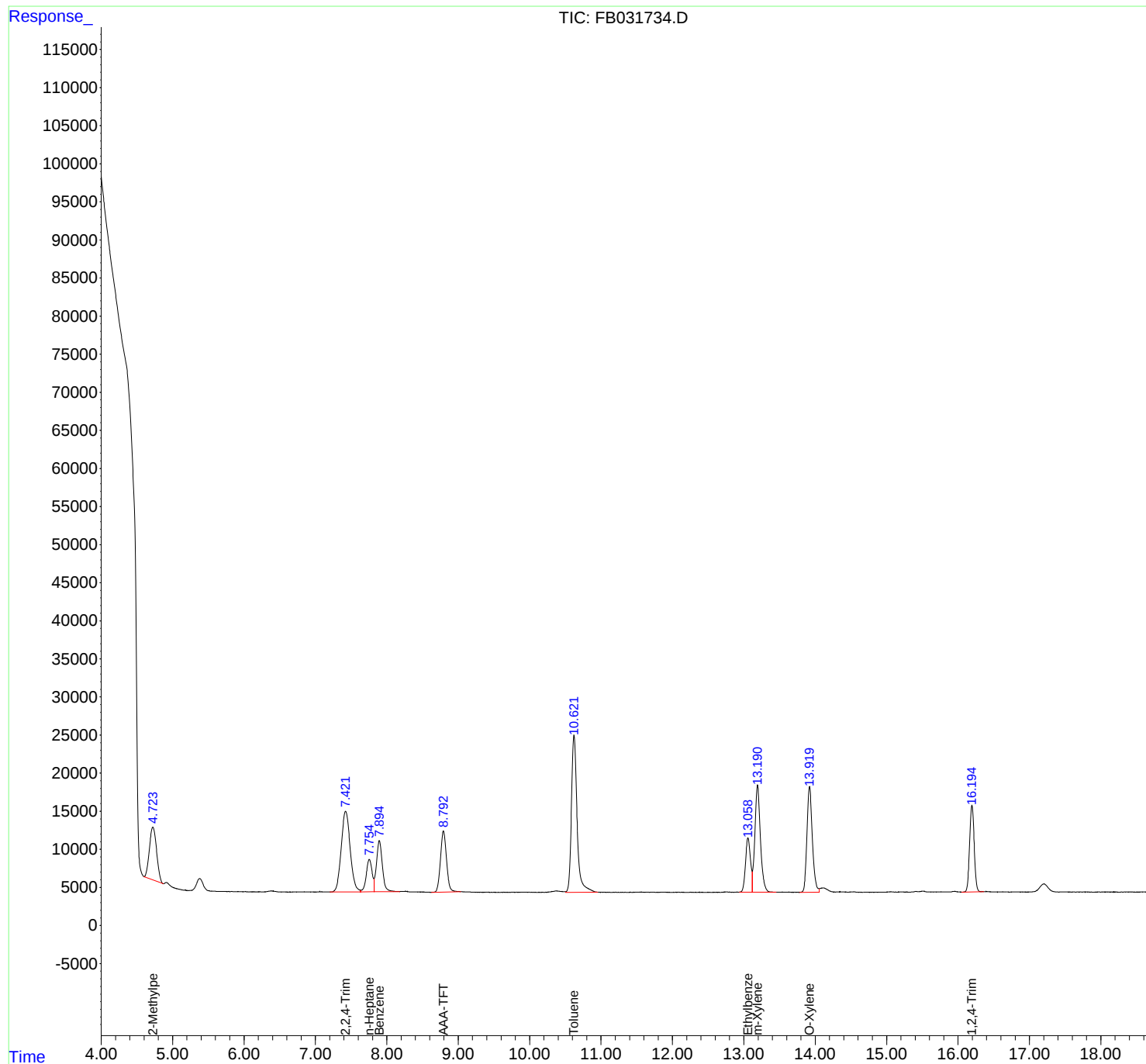
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051325\
Data File : FB031734.D
Signal(s) : FID2B.CH
Acq On : 14 May 2025 2:24
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: May 14 08:41:42 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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051325\
Data File : FB031734.D
Signal(s) : FID2B.CH
Acq On : 14 May 2025 2:24
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 33 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	4.724	4.593	4.870	BV	6945	484966	42.78%	8.101%
2	7.423	7.201	7.633	BV	10597	926830	81.75%	15.483%
3	7.756	7.633	7.821	VV	4256	240690	21.23%	4.021%
4	7.896	7.821	8.183	VV	6725	387697	34.20%	6.476%
5	8.794	8.620	9.038	PV	8033	471173	41.56%	7.871%
6	10.622	10.506	10.956	VV	20634	1133703	100.00%	18.938%
7	13.059	12.935	13.119	BV	7132	344034	30.35%	5.747%
8	13.193	13.119	13.455	VV	14046	761514	67.17%	12.721%
9	13.920	13.782	14.056	PV	13886	727902	64.21%	12.160%
10	16.195	16.049	16.364	PV	11380	507744	44.79%	8.482%

Sum of corrected areas: 5986253

FB042325.M Wed May 14 09:00:45 2025

GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Chemtech Contract: CAMP02
ProjectID: South River WM Replacement
Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG No.: Q2010
DataFile: FB031735.D Analyst Name: YP/AJ Analyst Date: 05-14-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	5282127	29345	33435	12.233

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051425\
 Data File : FB031735.D
 Signal(s) : FID2B.CH
 Acq On : 14 May 2025 9:26
 Operator : YP/AJ
 Sample : 20 PPB GRO STD
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 FID_B
 ClientSampleId :
 20 PPB GRO STD

Integration File: Calibration.e
 Quant Time: May 15 04:27:28 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	8.792	458709	20.002 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.723	445191	20.034 ng/ml
2) t 2,2,4-Trimethylpentane	7.423	864182	25.299 ng/ml
3) t n-Heptane	7.753	235413	7.654 ng/ml
4) t Benzene	7.893	373354	9.130 ng/ml
6) t Toluene	10.621	1114646	27.977 ng/ml
7) t Ethylbenzene	13.057	332194	9.296 ng/ml
8) t m-Xylene	13.191	732302	18.742 ng/ml
9) t O-Xylene	13.919	708165	19.221 ng/ml
10) t 1,2,4-Trimethylbenzene	16.194	476680	17.672 ng/ml

(f)=RT Delta > 1/2 Window

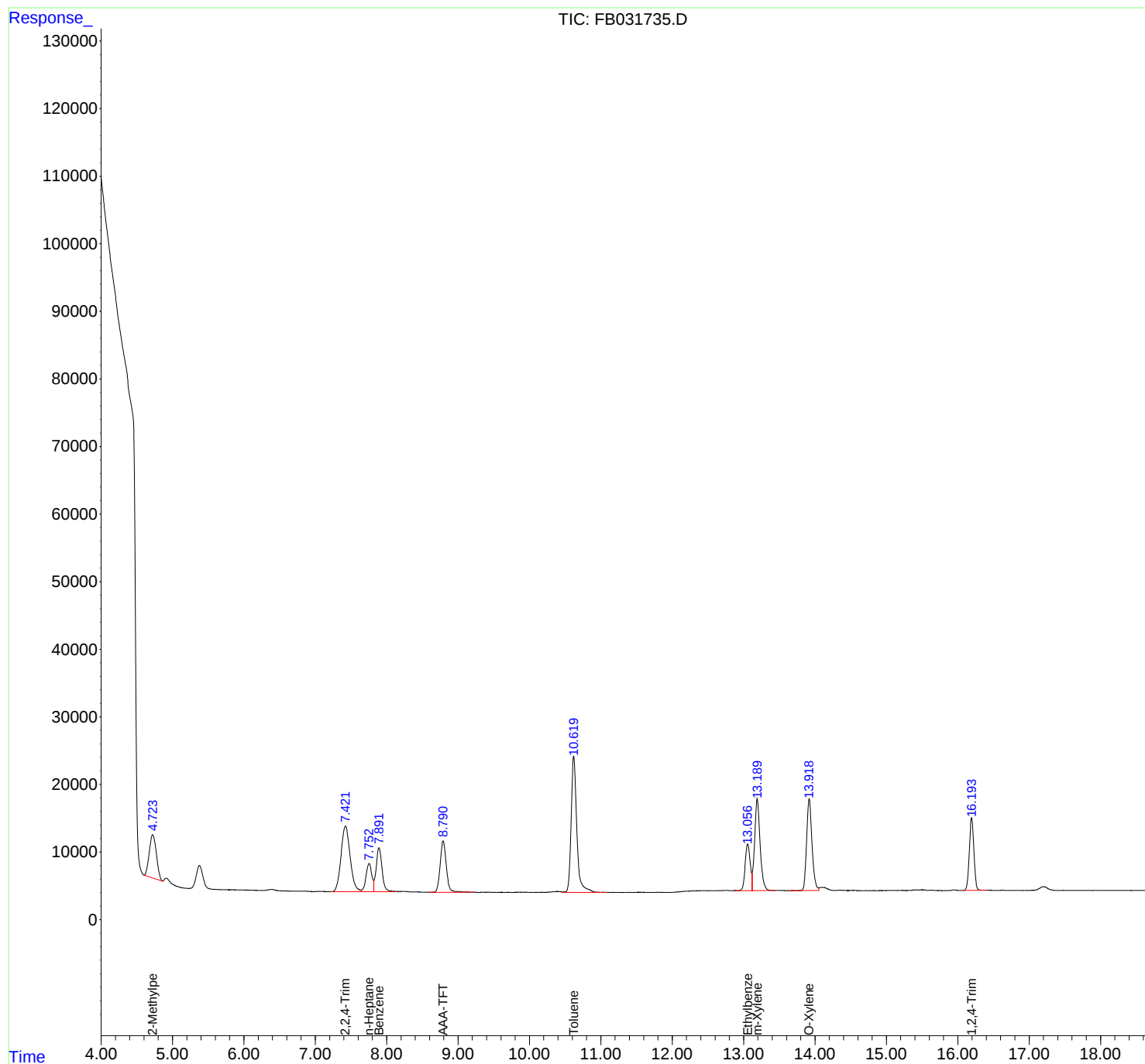
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051425\
Data File : FB031735.D
Signal(s) : FID2B.CH
Acq On : 14 May 2025 9:26
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: May 15 04:27:28 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 : FB031735.D
Signal(s) : FID2B.CH
Acq On : 14 May 2025 9:26
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	4.723	4.598	4.864	BV	6412	445191	39.94%	7.755%
2	7.423	7.223	7.643	BV	9713	864182	77.53%	15.053%
3	7.753	7.643	7.820	VV	4172	235413	21.12%	4.101%
4	7.893	7.820	8.142	VV	6502	373354	33.50%	6.503%
5	8.792	8.587	9.222	PV	7615	458709	41.15%	7.990%
6	10.621	10.460	11.081	VV	20148	1114646	100.00%	19.416%
7	13.057	12.876	13.117	BV	6896	332194	29.80%	5.787%
8	13.191	13.117	13.438	VV	13562	732302	65.70%	12.756%
9	13.919	13.611	14.053	BV	13586	708165	63.53%	12.336%
10	16.194	16.077	16.401	BBA	10770	476680	42.77%	8.303%

Sum of corrected areas: 5740835

FB042325.M Thu May 15 04:51:29 2025

GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Chemtech Contract: CAMP02
ProjectID: South River WM Replacement
Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG No.: Q2010
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

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

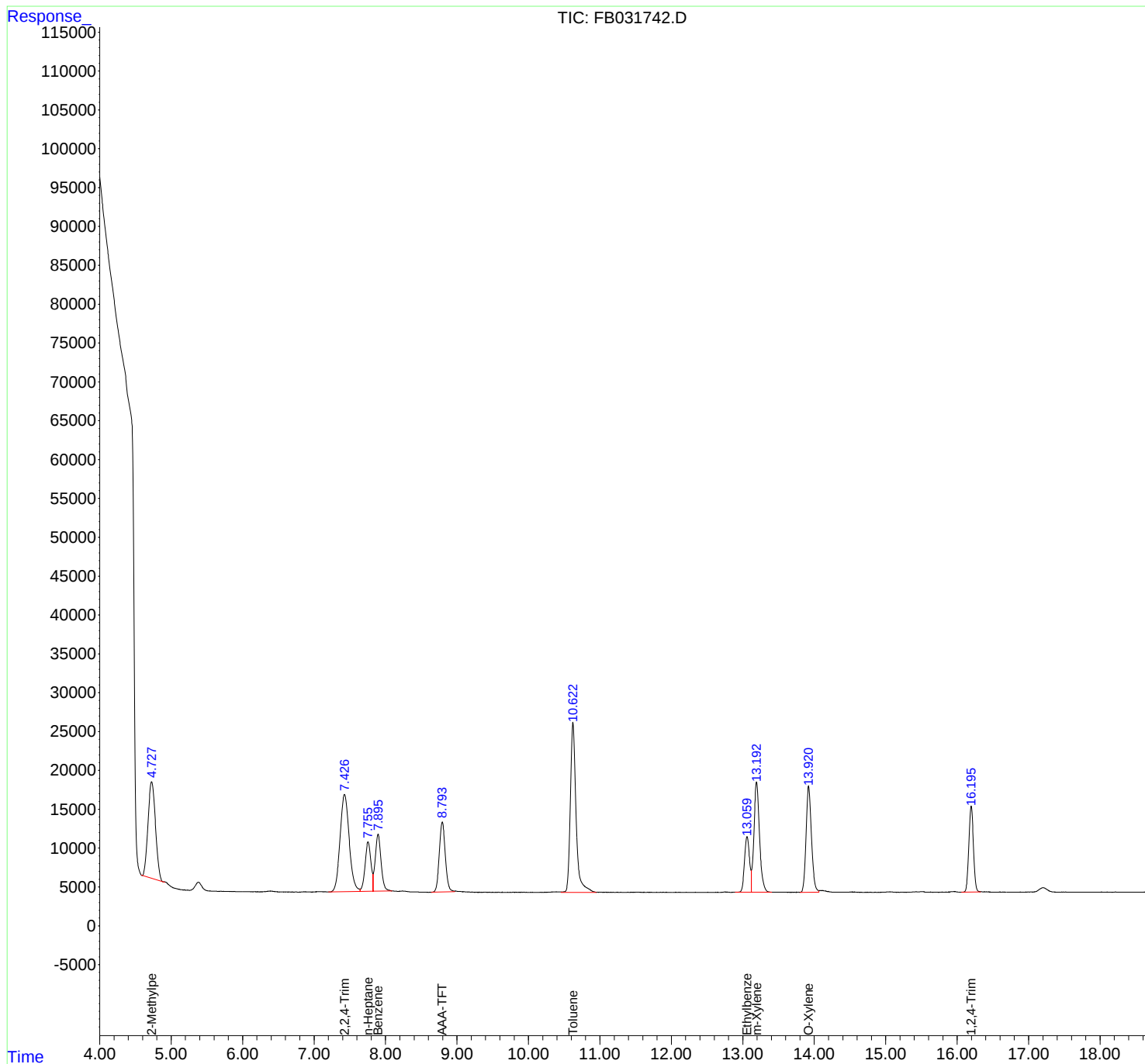
(m)=manual int.

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

Analytical Sequence

Client: CDM Smith

SDG No.: Q2010

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	13 May 2025 8:44	FB031704.D	8.792	
VBF0513S1	VBF0513S1	13 May 2025 9:24	FB031705.D	8.793	
BSF0513S1	BSF0513S1	13 May 2025 10:19	FB031707.D	8.792	
BSF0513S2	BSF0513S2	13 May 2025 13:54	FB031714.D	8.794	
20 PPB GRO STD	20 PPB GRO STD	13 May 2025 14:22	FB031715.D	8.795	
TP-10	Q2010-01	13 May 2025 16:21	FB031717.D	8.795	
TP-17	Q2010-04	13 May 2025 17:44	FB031720.D	8.796	
20 PPB GRO STD	20 PPB GRO STD	13 May 2025 20:30	FB031726.D	8.795	
TP-14	Q2010-03	13 May 2025 23:40	FB031731.D	8.795	
20 PPB GRO STD	20 PPB GRO STD	14 May 2025 2:24	FB031734.D	8.794	
20 PPB GRO STD	20 PPB GRO STD	14 May 2025 9:26	FB031735.D	8.792	
VBF0514S2	VBF0514S2	14 May 2025 11:04	FB031737.D	8.795	
BSF0514S1	BSF0514S1	14 May 2025 11:31	FB031738.D	8.795	
TP-13	Q2010-02	14 May 2025 12:26	FB031740.D	8.794	
20 PPB GRO STD	20 PPB GRO STD	14 May 2025 13:20	FB031742.D	8.795	



QC SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VBF0513S1	SDG No.:	Q2010
Lab Sample ID:	VBF0513S1	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Gasoline Range Organics
GPC Factor :		Injection Volume :	
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031705.D	1	05/13/25 9:24	FB051325

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	21.9		50 - 150	109%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051325\
Data File : FB031705.D
Signal(s) : FID2B.CH
Acq On : 13 May 2025 9:24
Operator : YP/AJ
Sample : VBF0513S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0513S1

Integration File: Calibration.e
Quant Time: May 14 07:19:53 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	8.793	501449	21.866 ng/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

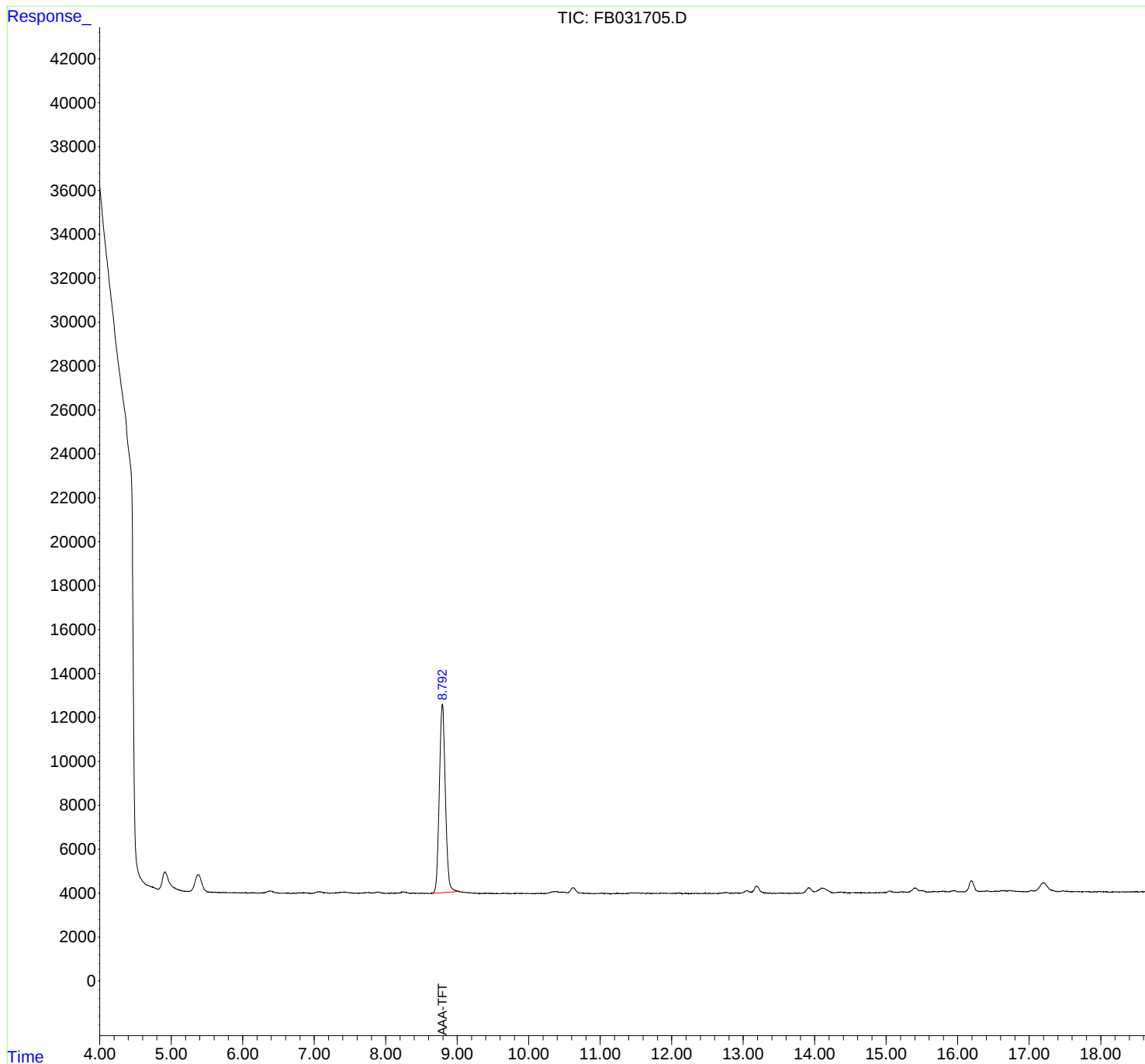
(m)=manual int.

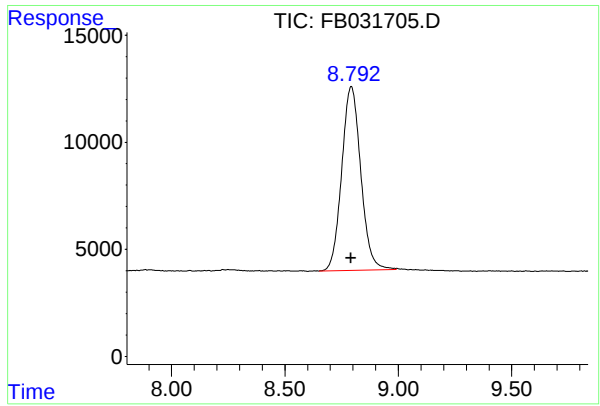
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051325\
Data File : FB031705.D
Signal(s) : FID2B.CH
Acq On : 13 May 2025 9:24
Operator : YP/AJ
Sample : VBF0513S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0513S1

Integration File: Calibration.e
Quant Time: May 14 07:19:53 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





#5 AAA-TFT

R.T.: 8.793 min
Delta R.T.: 0.001 min
Response: 501449
Conc: 21.87 ng/ml

Instrument :

FID_B

ClientSampleId :

VBF0513S1

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051325\
Data File : FB031705.D
Signal(s) : FID2B.CH
Acq On : 13 May 2025 9:24
Sample : VBF0513S1
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	8.793	8.650	8.990	PV	8593	501449	100.00%	100.000%
Sum of corrected areas:							501449	

FB042325.M Wed May 14 08:55:11 2025

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VBF0514S2	SDG No.:	Q2010
Lab Sample ID:	VBF0514S2	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Gasoline Range Organics
GPC Factor :		Injection Volume :	
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031737.D	50	05/14/25 11:04	FB051425

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	20.8		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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051425\
Data File : FB031737.D
Signal(s) : FID2B.CH
Acq On : 14 May 2025 11:04
Operator : YP/AJ
Sample : VBF0514S2 50X
Misc : 5.00G/5.00 ML MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0514S2

Integration File: Calibration.e
Quant Time: May 15 04:27:56 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	8.795	476478	20.777 ng/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

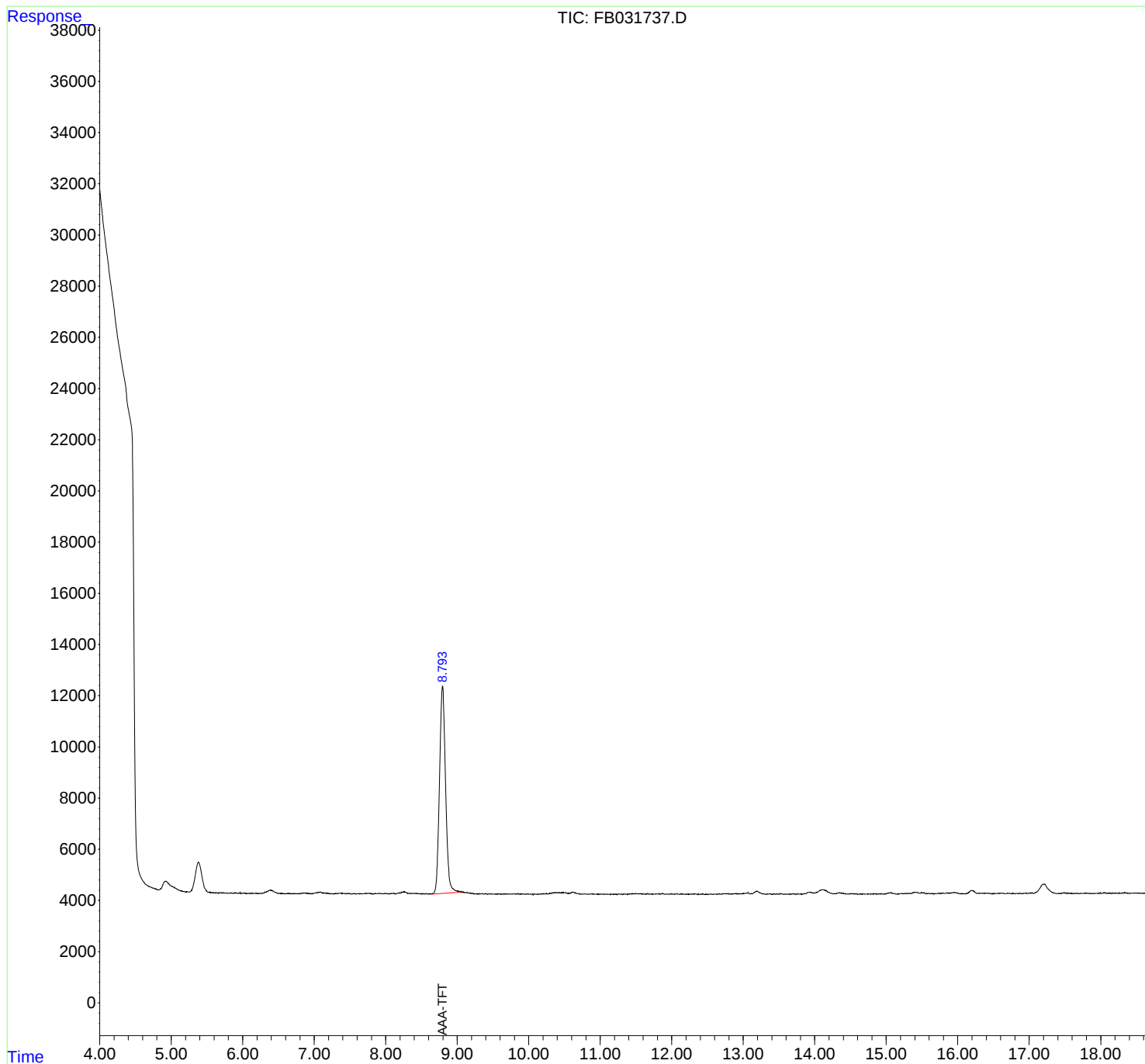
(m)=manual int.

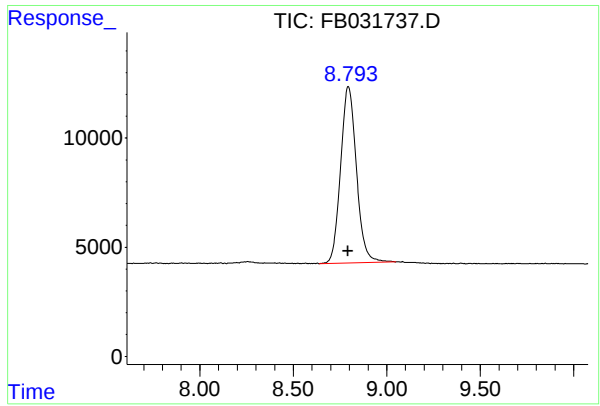
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051425\
Data File : FB031737.D
Signal(s) : FID2B.CH
Acq On : 14 May 2025 11:04
Operator : YP/AJ
Sample : VBF0514S2 50X
Misc : 5.00G/5.00 ML MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0514S2

Integration File: Calibration.e
Quant Time: May 15 04:27:56 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





#5 AAA-TFT

R.T.: 8.795 min
Delta R.T.: 0.003 min
Response: 476478
Conc: 20.78 ng/ml

Instrument :

FID_B

ClientSampleId :

VBF0514S2

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051425\
Data File : FB031737.D
Signal(s) : FID2B.CH
Acq On : 14 May 2025 11:04
Sample : VBF0514S2 50X
Misc : 5.00G/5.00 ML ME0H
ALS Vial : 3 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\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	8.795	8.637	9.049	PV	8088	476478	100.00%	100.000%
Sum of corrected areas:							476478	

FB042325.M Thu May 15 04:48:00 2025

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	BSF0513S1	SDG No.:	Q2010
Lab Sample ID:	BSF0513S1	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Gasoline Range Organics
GPC Factor :		Injection Volume :	
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031707.D	1	05/13/25 10:19	FB051325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	225		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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051325\
 Data File : FB031707.D
 Signal(s) : FID2B.CH
 Acq On : 13 May 2025 10:19
 Operator : YP/AJ
 Sample : BSF0513S1
 Misc : 5.00G/5.00 ML DI WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 FID_B
 ClientSampleId :
 BSF0513S1

Integration File: Calibration.e
 Quant Time: May 14 07:20:10 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	8.792	384051	16.747 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.723	1089829	49.044 ng/ml
2) t 2,2,4-Trimethylpentane	7.422	1315988	38.526 ng/ml
3) t n-Heptane	7.754	406623	13.220 ng/ml
4) t Benzene	7.894	492316	12.039 ng/ml
6) t Toluene	10.620	1407176	35.319 ng/ml
7) t Ethylbenzene	13.056	414691	11.605 ng/ml
8) t m-Xylene	13.190	913766	23.387 ng/ml
9) t O-Xylene	13.918	861810	23.391 ng/ml
10) t 1,2,4-Trimethylbenzene	16.193	618292	22.921 ng/ml

(f)=RT Delta > 1/2 Window

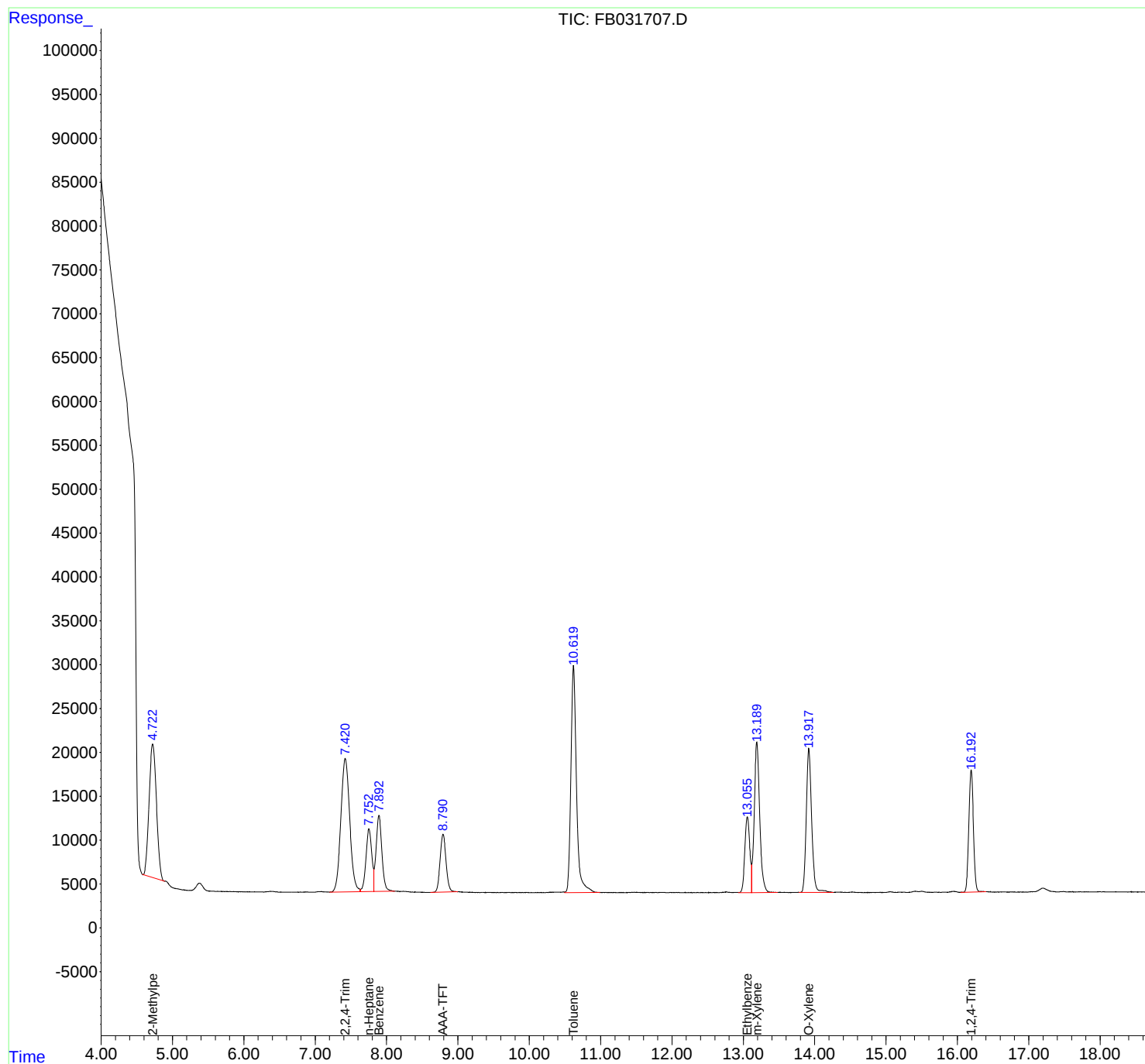
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051325\
Data File : FB031707.D
Signal(s) : FID2B.CH
Acq On : 13 May 2025 10:19
Operator : YP/AJ
Sample : BSF0513S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0513S1

Integration File: Calibration.e
Quant Time: May 14 07:20:10 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\FB051325\
Data File : FB031707.D
Signal(s) : FID2B.CH
Acq On : 13 May 2025 10:19
Sample : BSF0513S1
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	4.723	4.576	4.893	BV	15213	1089829	77.45%	13.787%
2	7.422	7.199	7.632	PV	15218	1315988	93.52%	16.648%
3	7.754	7.632	7.823	VV	7158	406623	28.90%	5.144%
4	7.894	7.823	8.117	VV	8683	492316	34.99%	6.228%
5	8.792	8.615	8.999	BV	6604	384051	27.29%	4.859%
6	10.620	10.497	10.995	VV	25923	1407176	100.00%	17.802%
7	13.056	12.933	13.117	VV	8633	414691	29.47%	5.246%
8	13.190	13.117	13.480	VV	17153	913766	64.94%	11.560%
9	13.918	13.778	14.262	BV	16426	861810	61.24%	10.903%
10	16.193	16.041	16.403	PBA	13921	618292	43.94%	7.822%

Sum of corrected areas: 7904542

FB042325.M Wed May 14 08:55:46 2025

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	BSF0514S1	SDG No.:	Q2010
Lab Sample ID:	BSF0514S1	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Gasoline Range Organics
GPC Factor :		Injection Volume :	
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031738.D	1	05/14/25 11:31	FB051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	184		8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	23.8		50 - 150	119%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051425\
 Data File : FB031738.D
 Signal(s) : FID2B.CH
 Acq On : 14 May 2025 11:31
 Operator : YP/AJ
 Sample : BSF0514S1
 Misc : 5.00G/5.00 ML DI WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

FID_B

ClientSampleId :

BSF0514S1

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 04:28:08 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	545384	23.782 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.726	917282	41.279 ng/mlm
2) t 2,2,4-Trimethylpentane	7.428	1072976	31.412 ng/ml
3) t n-Heptane	7.757	350797	11.405 ng/ml
4) t Benzene	7.897	410257	10.033 ng/ml
6) t Toluene	10.624	1163472	29.202 ng/ml
7) t Ethylbenzene	13.061	335433	9.387 ng/ml
8) t m-Xylene	13.194	744833	19.063 ng/ml
9) t O-Xylene	13.922	690451	18.740 ng/ml
10) t 1,2,4-Trimethylbenzene	16.196	468364	17.363 ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051425\
Data File : FB031738.D
Signal(s) : FID2B.CH
Acq On : 14 May 2025 11:31
Operator : YP/AJ
Sample : BSF0514S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

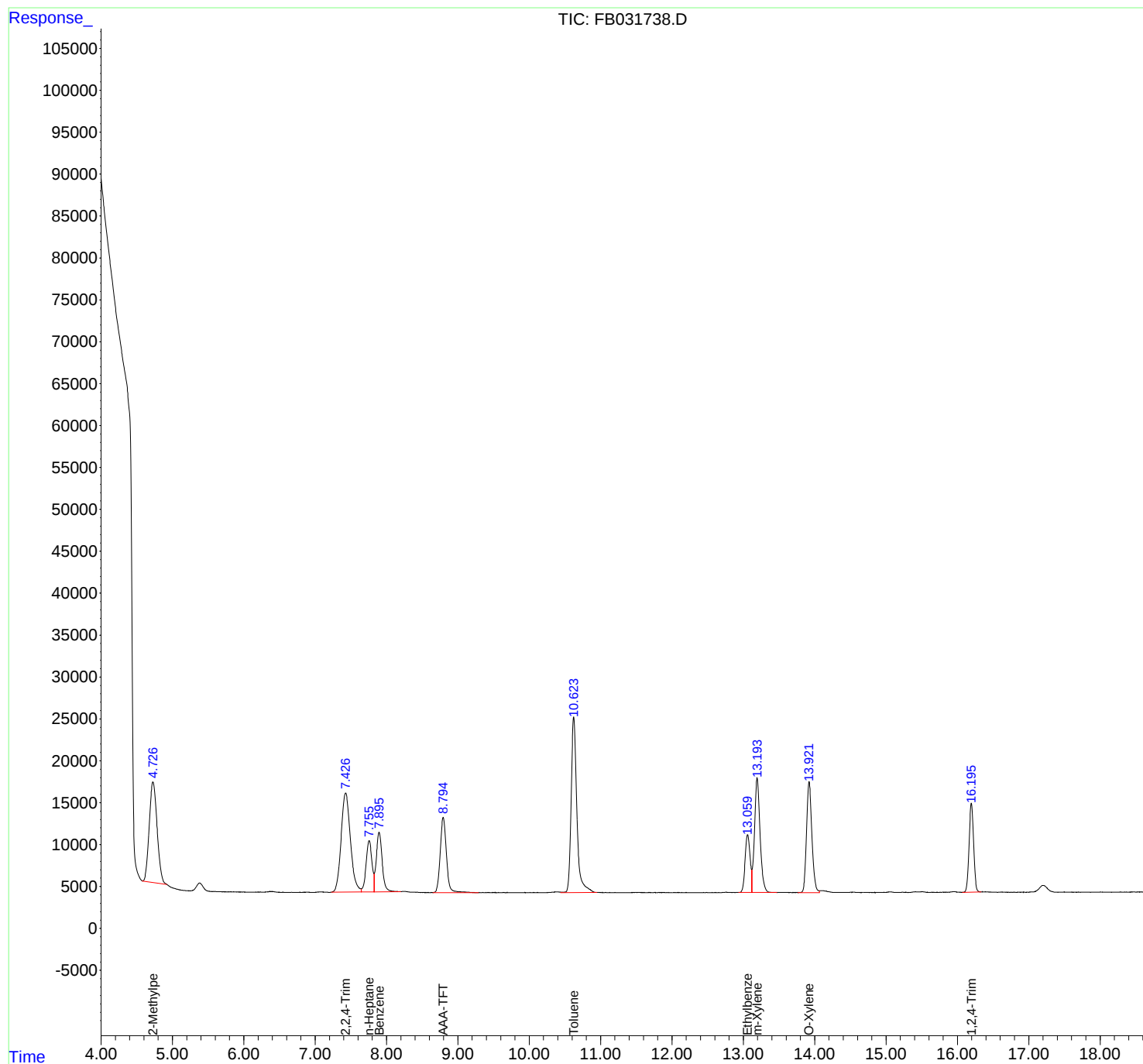
Instrument :
FID_B
ClientSampleId :
BSF0514S1

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 04:28:08 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

Instrument :

FID_B

ClientSampleId :

BSF0514S1

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 : FB031738.D
Signal(s) : FID2B.CH
Acq On : 14 May 2025 11:31
Sample : BSF0514S1
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	4.728	4.571	5.208	BV	12078	931785	80.09%	13.879%
2	7.428	7.226	7.646	PV	11830	1072976	92.22%	15.982%
3	7.757	7.646	7.827	VV	6119	350797	30.15%	5.225%
4	7.897	7.827	8.200	VV	7107	410257	35.26%	6.111%
5	8.795	8.645	9.291	PV	8989	545384	46.88%	8.123%
6	10.624	10.441	10.952	VV	20958	1163472	100.00%	17.330%
7	13.061	12.931	13.121	PV	6913	335433	28.83%	4.996%
8	13.194	13.121	13.472	VV	13696	744833	64.02%	11.094%
9	13.922	13.767	14.067	BV	13237	690451	59.34%	10.284%
10	16.196	16.066	16.333	PV	10616	468364	40.26%	6.976%

Sum of corrected areas: 6713752

FB042325.M Thu May 15 04:48:20 2025

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	BSF0513S2	SDG No.:	Q2010
Lab Sample ID:	BSF0513S2	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Decanted:	
GPC Factor :		Final Vol:	5
Prep Method :		Test:	Gasoline Range Organics
		PH :	
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031714.D	1	05/13/25 13:54	FB051325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	227		8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	21.0		50 - 150	105%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051325\
 Data File : FB031714.D
 Signal(s) : FID2B.CH
 Acq On : 13 May 2025 13:54
 Operator : YP/AJ
 Sample : BSF0513S2
 Misc : 5.00G/5.00 ML DI WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 FID_B
 ClientSampleId :
 BSF0513S2

Integration File: Calibration.e
 Quant Time: May 14 07:21:14 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	481603	21.001 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.725	1185331	53.342 ng/ml
2) t 2,2,4-Trimethylpentane	7.425	1297170	37.975 ng/ml
3) t n-Heptane	7.756	436833	14.202 ng/ml
4) t Benzene	7.895	504223	12.331 ng/ml
6) t Toluene	10.623	1419495	35.628 ng/ml
7) t Ethylbenzene	13.059	408273	11.425 ng/ml
8) t m-Xylene	13.192	900568	23.049 ng/ml
9) t O-Xylene	13.920	838626	22.762 ng/ml
10) t 1,2,4-Trimethylbenzene	16.195	592775	21.975 ng/ml

(f)=RT Delta > 1/2 Window

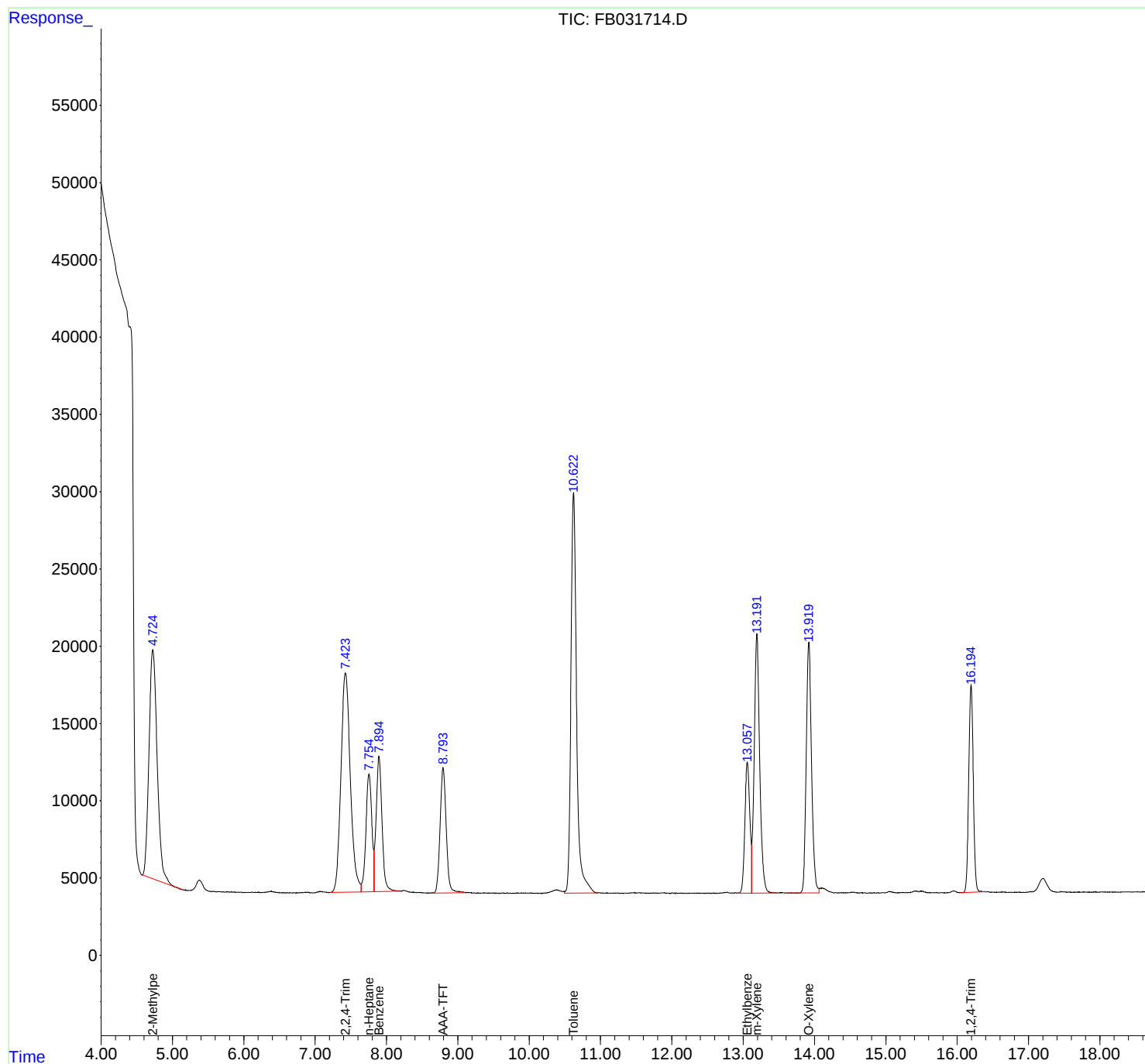
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051325\
Data File : FB031714.D
Signal(s) : FID2B.CH
Acq On : 13 May 2025 13:54
Operator : YP/AJ
Sample : BSF0513S2
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0513S2

Integration File: Calibration.e
Quant Time: May 14 07:21:14 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\FB051325\
Data File : FB031714.D
Signal(s) : FID2B.CH
Acq On : 13 May 2025 13:54
Sample : BSF0513S2
Misc : 5.00G/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	4.725	4.565	5.139	BV	14820	1185331	83.50%	14.697%
2	7.425	7.206	7.647	BV	14184	1297170	91.38%	16.084%
3	7.756	7.647	7.825	VV	7621	436833	30.77%	5.416%
4	7.895	7.825	8.172	VV	8754	504223	35.52%	6.252%
5	8.794	8.610	9.105	PV	8104	481603	33.93%	5.972%
6	10.623	10.494	10.964	VV	25922	1419495	100.00%	17.601%
7	13.059	12.911	13.119	VV	8475	408273	28.76%	5.062%
8	13.192	13.119	13.466	VB	16775	900568	63.44%	11.167%
9	13.920	13.611	14.065	BV	16229	838626	59.08%	10.398%
10	16.195	16.049	16.403	PBA	13408	592775	41.76%	7.350%

Sum of corrected areas: 8064897

FB042325.M Wed May 14 08:57:43 2025

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

Manual Integration Report

Sample ID	ClientId ID	File ID	Sequence ID	Parameter	Supervised By	Supervised On	Reason
20 PPB GRO STD		FB031704.D	FB051325	2-Methylpentane	mohammad	5/15/2025 3:42:45 AM	Peak Integrated by Software incorrectly
Q1982-04		FB031710.D	FB051325	AAA-TFT	mohammad	5/15/2025 3:42:45 AM	Peak Integrated by Software incorrectly
Q1982-02		FB031722.D	FB051325	AAA-TFT	mohammad	5/15/2025 3:42:45 AM	Peak Integrated by Software incorrectly

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

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QC Batch 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 Surrogate Standard MS/MSD Standard LCS Standard	PP24111,PP24490		

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

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QC Batch ID # FB051325

Review By	yogesh	Review On	5/13/2025 11:36:14 AM
Supervise By	mohammad	Supervise On	5/15/2025 3:42:45 AM
SubDirectory	FB051325	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 Surrogate Standard MS/MSD Standard LCS Standard	PP24567,PP24568,PP24569,PP24570 PP24111,PP24490		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	20 PPB GRO STD	FB031704.D	13 May 2025 8:44	YP/AJ	Ok,M
2	VBF0513S1	FB031705.D	13 May 2025 9:24	YP/AJ	Ok
3	VBF0513S2	FB031706.D	13 May 2025 9:51	YP/AJ	Ok
4	BSF0513S1	FB031707.D	13 May 2025 10:19	YP/AJ	Ok
5	Q1982-02	FB031708.D	13 May 2025 10:45	YP/AJ	Not Ok
6	Q1982-03	FB031709.D	13 May 2025 11:26	YP/AJ	Not Ok
7	Q1982-04	FB031710.D	13 May 2025 11:54	YP/AJ	Ok,M
8	Q1982-05	FB031711.D	13 May 2025 12:21	YP/AJ	Ok
9	Q1982-06	FB031712.D	13 May 2025 12:59	YP/AJ	Not Ok
10	Q1982-07	FB031713.D	13 May 2025 13:27	YP/AJ	Not Ok
11	BSF0513S2	FB031714.D	13 May 2025 13:54	YP/AJ	Ok
12	20 PPB GRO STD	FB031715.D	13 May 2025 14:22	YP/AJ	Ok
13	Q1982-08	FB031716.D	13 May 2025 15:53	YP/AJ	Ok
14	Q2010-01	FB031717.D	13 May 2025 16:21	YP/AJ	Ok
15	Q2010-02	FB031718.D	13 May 2025 16:49	YP/AJ	Not Ok
16	Q2010-03	FB031719.D	13 May 2025 17:17	YP/AJ	Not Ok
17	Q2010-04	FB031720.D	13 May 2025 17:44	YP/AJ	Ok
18	Q1982-01	FB031721.D	13 May 2025 18:12	YP/AJ	Ok
19	Q1982-02	FB031722.D	13 May 2025 18:40	YP/AJ	Ok,M
20	Q1982-03	FB031723.D	13 May 2025 19:07	YP/AJ	Ok
21	Q1982-06	FB031724.D	13 May 2025 19:35	YP/AJ	Ok

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QC Batch ID # FB051325

Review By	yogesh	Review On	5/13/2025 11:36:14 AM
Supervise By	mohammad	Supervise On	5/15/2025 3:42:45 AM
SubDirectory	FB051325	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	PP24567,PP24568,PP24569,PP24570		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24111,PP24490		

22	BSF0513S3	FB031725.D	13 May 2025 20:02	YP/AJ	Ok
23	20 PPB GRO STD	FB031726.D	13 May 2025 20:30	YP/AJ	Ok
24	Q1982-07	FB031727.D	13 May 2025 21:51	YP/AJ	Not Ok
25	Q1982-08	FB031728.D	13 May 2025 22:19	YP/AJ	Not Ok
26	Q2010-01	FB031729.D	13 May 2025 22:46	YP/AJ	Not Ok
27	Q2010-02	FB031730.D	13 May 2025 23:13	YP/AJ	Not Ok
28	Q2010-03	FB031731.D	13 May 2025 23:40	YP/AJ	Ok
29	Q2010-04	FB031732.D	14 May 2025 00:08	YP/AJ	Not Ok
30	BSF0513S4	FB031733.D	14 May 2025 00:35	YP/AJ	Ok
31	20 PPB GRO STD	FB031734.D	14 May 2025 2:24	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QC Batch 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 Internal Standard/PEM	PP24571,PP24572,PP24574		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24111,PP24490		

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

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QC Batch 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 Surrogate Standard MS/MSD Standard LCS Standard	PP24111,PP24490		

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

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QC Batch ID # FB051325

Review By	yogesh	Review On	5/13/2025 11:36:14 AM
Supervise By	mohammad	Supervise On	5/15/2025 3:42:45 AM
SubDirectory	FB051325	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	PP24567,PP24568,PP24569,PP24570		
ICV/I.BLK Surrogate Standard	PP24111,PP24490		
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	20 PPB GRO STD		FB031704.D	13 May 2025 8:44		YP/AJ	Ok,M
2	VBF0513S1		FB031705.D	13 May 2025 9:24		YP/AJ	Ok
3	VBF0513S2		FB031706.D	13 May 2025 9:51		YP/AJ	Ok
4	BSF0513S1		FB031707.D	13 May 2025 10:19		YP/AJ	Ok
5	Q1982-02		FB031708.D	13 May 2025 10:45	Vial-A, Not Purged	YP/AJ	Not Ok
6	Q1982-03		FB031709.D	13 May 2025 11:26	Vial-A, Not Purged	YP/AJ	Not Ok
7	Q1982-04		FB031710.D	13 May 2025 11:54	Vial-A	YP/AJ	Ok,M
8	Q1982-05		FB031711.D	13 May 2025 12:21	Vial-A	YP/AJ	Ok
9	Q1982-06		FB031712.D	13 May 2025 12:59	Vial-A, Not Purged	YP/AJ	Not Ok
10	Q1982-07		FB031713.D	13 May 2025 13:27	Vial-A, Not Purged	YP/AJ	Not Ok
11	BSF0513S2		FB031714.D	13 May 2025 13:54		YP/AJ	Ok
12	20 PPB GRO STD		FB031715.D	13 May 2025 14:22		YP/AJ	Ok
13	Q1982-08		FB031716.D	13 May 2025 15:53	Vial-A	YP/AJ	Ok
14	Q2010-01		FB031717.D	13 May 2025 16:21	Vial-A	YP/AJ	Ok
15	Q2010-02		FB031718.D	13 May 2025 16:49	Vial-A, Not Purged	YP/AJ	Not Ok
16	Q2010-03		FB031719.D	13 May 2025 17:17	Vial-A, Not Purged	YP/AJ	Not Ok
17	Q2010-04		FB031720.D	13 May 2025 17:44	Vial-A	YP/AJ	Ok
18	Q1982-01		FB031721.D	13 May 2025 18:12	Vial-B, Surr Fail	YP/AJ	Ok

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QC Batch ID # FB051325

Review By	yogesh	Review On	5/13/2025 11:36:14 AM
Supervise By	mohammad	Supervise On	5/15/2025 3:42:45 AM
SubDirectory	FB051325	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	PP24567,PP24568,PP24569,PP24570		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24111,PP24490		

19	Q1982-02		FB031722.D	13 May 2025 18:40	Vial-B, Surrogate failed	YP/AJ	Ok,M
20	Q1982-03		FB031723.D	13 May 2025 19:07	Vial-B	YP/AJ	Ok
21	Q1982-06		FB031724.D	13 May 2025 19:35	Vial-B	YP/AJ	Ok
22	BSF0513S3		FB031725.D	13 May 2025 20:02		YP/AJ	Ok
23	20 PPB GRO STD		FB031726.D	13 May 2025 20:30		YP/AJ	Ok
24	Q1982-07		FB031727.D	13 May 2025 21:51	Vial-B, Not Purged	YP/AJ	Not Ok
25	Q1982-08		FB031728.D	13 May 2025 22:19	Not required	YP/AJ	Not Ok
26	Q2010-01		FB031729.D	13 May 2025 22:46	Not required	YP/AJ	Not Ok
27	Q2010-02		FB031730.D	13 May 2025 23:13	Vial-B, Not Purged	YP/AJ	Not Ok
28	Q2010-03		FB031731.D	13 May 2025 23:40	Vial-B	YP/AJ	Ok
29	Q2010-04		FB031732.D	14 May 2025 00:08	Not required	YP/AJ	Not Ok
30	BSF0513S4		FB031733.D	14 May 2025 00:35		YP/AJ	Ok
31	20 PPB GRO STD		FB031734.D	14 May 2025 2:24		YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QC Batch 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



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 5/13/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 05/12/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:25
Out Date: 05/13/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135730

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
Q2001-02	WC-A4-03-C	31	1.15	10.09	11.24	9.13	79.1	
Q2001-06	WC-A1-05-C	32	1.15	10.00	11.15	9.16	80.1	
Q2001-10	WC-A1-06-C	33	1.16	10.23	11.39	9.58	82.3	
Q2001-14	WC-A1-07-C	34	1.18	10.28	11.46	9.56	81.5	
Q2007-01	OR-636-COMP-10	1	1.15	10.52	11.67	10.25	86.5	
Q2007-02	OR-636-VOC-10	2	1.14	10.54	11.68	9.57	80.0	
Q2007-03	OR-636-28	3	1.19	10.56	11.75	10.3	86.3	
Q2007-04	OR-636-29	4	1.16	10.61	11.77	9.7	80.5	
Q2007-05	OR-636-30	5	1.13	10.16	11.29	10.42	91.4	
Q2007-07	OR-636-COMP-11	6	1.16	9.92	11.08	9.87	87.8	
Q2007-08	OR-636-VOC-11	7	1.12	11.24	12.36	10.96	87.5	
Q2007-09	OR-636-31	8	1.13	10.43	11.56	11.02	94.8	
Q2007-10	OR-636-32	9	1.18	10.36	11.54	10.33	88.3	
Q2007-11	OR-636-33	10	1.19	10.66	11.85	10.34	85.8	
Q2007-13	OR-636-COMP-12	11	1.16	10.06	11.22	11.2	99.8	
Q2007-14	OR-636-VOC-12	12	1.12	10.07	11.19	10.3	91.2	
Q2007-15	OR-636-34	13	1.13	10.72	11.85	11.00	92.1	
Q2007-16	OR-636-35	14	1.19	10.74	11.93	10.72	88.7	
Q2007-17	OR-636-36	15	1.19	10.53	11.72	10.92	92.4	
Q2007-19	OR-636-COMP-13	16	1.16	10.73	11.89	10.85	90.3	
Q2007-20	OR-636-VOC-13	17	1.13	10.05	11.18	10.16	89.9	
Q2007-21	OR-636-37	18	1.13	10.13	11.26	10.6	93.5	
Q2007-22	OR-636-38	19	1.17	10.08	11.25	10.47	92.3	
Q2007-23	OR-636-39	20	1.18	9.72	10.9	9.88	89.5	
Q2007-25	OR-636-COMP-14	21	1.13	9.93	11.06	10.31	92.4	
Q2007-26	OR-636-VOC-14	22	1.19	10.04	11.23	10.58	93.5	
Q2007-27	OR-636-40	23	1.18	10.40	11.58	10.9	93.5	
Q2007-28	OR-636-41	24	1.19	9.98	11.17	10.2	90.3	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 5/13/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 05/12/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:25
Out Date: 05/13/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135730

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
Q2007-29	OR-636-42	25	1.12	10.00	11.12	10.02	89.0	
Q2007-31	OR-636-COMP-15	26	1.15	9.45	10.6	9.81	91.6	
Q2007-32	OR-636-VOC-15	27	1.15	10.02	11.17	10.38	92.1	
Q2007-33	OR-636-43	28	1.16	9.80	10.96	9.96	89.8	
Q2007-34	OR-636-44	29	1.13	10.05	11.18	9.98	88.1	
Q2007-35	OR-636-45	30	1.13	10.62	11.75	10.62	89.4	
Q2010-01	TP-10	35	1.19	9.95	11.14	10.47	93.3	
Q2010-02	TP-13	36	1.19	9.93	11.12	9.57	84.4	
Q2010-03	TP-14	37	1.18	10.15	11.33	9.37	80.7	
Q2010-04	TP-17	38	1.16	10.80	11.96	9.52	77.4	
Q2014-01	MOO-25-0134	39	1.14	10.18	11.32	10.36	90.6	
Q2014-02	MOO-25-0134-E2	40	1.13	10.84	11.97	10.86	89.8	
Q2014-03	MOO-25-0145	41	1.19	9.98	11.17	10.88	97.1	
Q2014-04	MOO-25-0145-E2	42	1.13	9.96	11.09	10.9	98.1	
Q2014-05	MOO-25-0148	43	1.18	10.07	11.25	10.16	89.2	
Q2014-06	MOO-25-0148-E2	44	1.17	10.25	11.42	10.35	89.6	
Q2015-01	BC216248-1-1	45	1.00	1.00	2.00	2.00	100.0	pilc
Q2015-02	BC216248-1-2	46	1.00	1.00	2.00	2.00	100.0	pilc
Q2015-03	BC226007-1-1	47	1.00	1.00	2.00	2.00	100.0	pilc
Q2015-04	BC226007-1-2	48	1.00	1.00	2.00	2.00	100.0	pilc
Q2017-01	MH-I	49	1.18	10.30	11.48	9.84	84.1	
Q2017-02	MH-I-EPH	50	1.17	10.30	11.47	9.72	83.0	
Q2017-03	MH-I-VOC	51	1.16	10.41	11.57	9.76	82.6	
Q2017-05	MH-J	52	1.18	10.09	11.27	9.54	82.9	
Q2017-06	MH-J-EPH	53	1.12	10.86	11.98	10.47	86.1	
Q2017-07	MH-J-VOC	54	1.19	10.30	11.49	10.3	88.4	

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

WORKLIST(Hardcopy Internal Chain)

135130

WorkList Name : %1-051225

WorkList ID : 189428

Department : Wet-Chemistry

Date : 05-12-2025 08:00:16

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2001-02	WC-A4-03-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	L61	05/06/2025	Chemtech -SO
Q2001-06	WC-A1-05-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	L61	05/07/2025	Chemtech -SO
Q2001-10	WC-A1-06-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	L61	05/08/2025	Chemtech -SO
Q2001-14	WC-A1-07-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	L61	05/08/2025	Chemtech -SO
Q2007-01	OR-636-COMP-10	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-02	OR-636-VOC-10	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-03	OR-636-28	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-04	OR-636-29	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-05	OR-636-30	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-07	OR-636-COMP-11	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-08	OR-636-VOC-11	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-09	OR-636-31	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-10	OR-636-32	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-11	OR-636-33	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-13	OR-636-COMP-12	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-14	OR-636-VOC-12	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-15	OR-636-34	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-16	OR-636-35	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-17	OR-636-36	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-19	OR-636-COMP-13	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-20	OR-636-VOC-13	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO

Date/Time 05/12/25 15:10

Raw Sample Received by: 80 wgh

Raw Sample Relinquished by: 80 wgh

Date/Time 05/12/25

Raw Sample Received by: 80 wgh

Raw Sample Relinquished by: 80 wgh

WORKLIST(Hardcopy Internal Chain)

135730

WorkList Name : %1-051225

WorkList ID : 189428

Department : Wet-Chemistry

Date : 05-12-2025 08:00:16

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2007-21	OR-636-37	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-22	OR-636-38	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-23	OR-636-39	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-25	OR-636-COMP-14	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-26	OR-636-VOC-14	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-27	OR-636-40	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-28	OR-636-41	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-29	OR-636-42	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-31	OR-636-COMP-15	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-32	OR-636-VOC-15	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-33	OR-636-43	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-34	OR-636-44	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-35	OR-636-45	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2010-01	TP-10	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2010-02	TP-13	Solid	Percent Solids	Cool 4 deg C	CAMP02	L51	05/08/2025	Chemtech -SO
Q2010-03	TP-14	Solid	Percent Solids	Cool 4 deg C	CAMP02	L51	05/08/2025	Chemtech -SO
Q2010-04	TP-17	Solid	Percent Solids	Cool 4 deg C	CAMP02	L51	05/08/2025	Chemtech -SO
Q2014-01	MOO-25-0134	Solid	Percent Solids	Cool 4 deg C	CAMP02	L51	05/08/2025	Chemtech -SO
Q2014-02	MOO-25-0134-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/12/2025	Chemtech -SO
Q2014-03	MOO-25-0145	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/12/2025	Chemtech -SO
Q2014-04	MOO-25-0145-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/12/2025	Chemtech -SO

Date/Time 05/12/25 15:10

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Date/Time 05/12/25 17:15

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

7795730

WorkList Name : %1-051225

WorkList ID : 189428

Department : Wet-Chemistry

Date : 05-12-2025 08:00:16

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2014-05	MOO-25-0148	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/12/2025	Chemtech -SO
Q2014-06	MOO-25-0148-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/12/2025	Chemtech -SO
Q2015-01	BC216248-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/12/2025	Chemtech -SO
Q2015-02	BC216248-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/12/2025	Chemtech -SO
Q2015-03	BC226007-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/12/2025	Chemtech -SO
Q2015-04	BC226007-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/12/2025	Chemtech -SO
Q2017-01	MH-I	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/12/2025	Chemtech -SO
Q2017-02	MH-I-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/12/2025	Chemtech -SO
Q2017-03	MH-I-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/12/2025	Chemtech -SO
Q2017-05	MH-J	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/12/2025	Chemtech -SO
Q2017-06	MH-J-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/12/2025	Chemtech -SO
Q2017-07	MH-J-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/12/2025	Chemtech -SO

Date/Time 05/12/25 15:10

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Date/Time 05/12/25

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:

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

CLIENT PROJECT INFORMATION

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

CLIENT BILLING INFORMATION

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

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*

*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

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

TEL VOC
FCL SVOC
TAL METALS
PCB's
PESTICIDES
HERBICIDES
DDT / GDO

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										COMMENTS
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	TP-10	SOIL		X	5/8/25	0820	6	X	X	X	X	X	X	X			E
2.	TP-13	SOIL		X	5/8/25	1015	6	X	X	X	X	X	X	X			E
3.	TP-14	SOIL		X	5/8/25	1135	6	X	X	X	X	X	X	X			E
4.	TP-17	SOIL		X	5/8/25	1305	6	X	X	X	X	X	X	X			E
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER: 1. <i>[Signature]</i>	DATE/TIME: 5/8/25	RECEIVED BY: 1. <i>[Signature]</i> 5-4-25	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.2 °C
RELINQUISHED BY SAMPLER: 2. <i>[Signature]</i>	DATE/TIME:	RECEIVED BY: 2. <i>[Signature]</i>	Temp 3.2°C Adjustment Factor TD IR Gun #1.
RELINQUISHED BY SAMPLER: 3. <i>[Signature]</i>	DATE/TIME: 1650	RECEIVED BY: 3. <i>[Signature]</i>	

Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete
☐ YES ☐ NO

Laboratory Certification

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2010	CAMP02	Order Date : 5/9/2025 4:00:00 PM	Project Mgr : Yazmeen
Client Name : CDM Smith		Project Name : South River WM Replacem	Report Type : Level 1
Client Contact : Marcie Ann Encinas		Receive DateTime : 5/9/2025 4:50:00 PM	EDD Type : EXCEL NOCLEANUP
Invoice Name : CDM Smith		Purchase Order :	Hard Copy Date :
Invoice Contact : Marcie Ann Encinas			Date Signoff : 5/12/2025 10:55:21 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2010-01	TP-10	Solid	05/08/2025	08:20					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2010-02	TP-13	Solid	05/08/2025	10:15					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2010-03	TP-14	Solid	05/08/2025	11:35					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2010-04	TP-17	Solid	05/08/2025	13:05					
					VOC-TCLVOA-10		8260D	10 Bus. Days	

Relinquished By :

Date / Time :


5/12/25 11:10

Received By :

Date / Time :


5/12/25 11:10 AM #6
F22

Storage Area : VOA Refridgerator Room