284 Sheffield Street, Mountainside NJ 07092 Tel. 908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- ORGANIC

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

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

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LAB CHRONICLE

OrderID:	Q1956	**OrderDate:**	5/2/2025 3:14:35 PM
Client:	CDM Smith	**Project:**	Bergen Point Fueling System
Contact:	Marcie Ann Encinas	**Location:**	L31,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1956-01	**SB1-3-4**	**SOIL**			**05/01/25**			**05/02/25**
			Gasoline Range Organics	8015D			05/06/25	
Q1956-02	**SB2-4-5**	**SOIL**			**05/02/25**			**05/02/25**
			Gasoline Range Organics	8015D			05/06/25	
Q1956-06	**SB91-3-4**	**SOIL**			**05/01/25**			**05/02/25**
			Gasoline Range Organics	8015D			05/06/25	
Q1956-07	**FB-05022025**	**Water**			**05/02/25**			**05/02/25**
			Gasoline Range Organics	8015D			05/06/25	

QC SUMMARY

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SOIL GASOLINE RANGE ORGANICS SURROGATE RECOVERY

Lab Name: Chemtech Client: CDM Smith

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

EPA SAMPLE NO.	S1 AAA-TFT	S2	S3	S4	TOT OUT
VBF0506S1	81				0
BSF0506S1	88				0
SB1-3-4	85				0
SB2-4-5	87				0
SB2-4-5MS	76				0
SB2-4-5MSD	87				0
SB91-3-4	72				0
VBF0605W1	109				0
BSF0605W1	84				0
FB-05022025	102				0
BSF0605W2	101				0

	QC LIMITS
AAA-TFT	For Water : 50-150 For Soil : 50-150

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate Diluted Out

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SOIL GASOLINE RANGE ORGANICS MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

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

Lab Code: CHEM **Cas No:** Q1956 **SAS No :** Q1956 **SDG No:** Q1956

Client SampleID : SB2-4-5MS **Datafile:** FB031684.D

COMPOUND	SPIKE ADDED ug/kg	SAMPLE CONCENTRATION ug/kg	MS/MSD CONCENTRATION ug/kg	% REC	Qual	QC LIMITS
GRO	160	0	110	69%		50-150

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SOIL GASOLINE RANGE ORGANICS MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

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

Lab Code: CHEM **Cas No:** Q1956 **SAS No :** Q1956 **SDG No:** Q1956

Client SampleID : SB2-4-5MSD **Datafile:** FB031685.D

COMPOUND	SPIKE ADDED ug/kg	SAMPLE CONCENTRATION ug/kg	MS/MSD CONCENTRATION ug/kg	% REC	Qual	QC LIMITS
GRO	153	0	109	71%		50-150

MS/MSD % Recovery RPD : 3.4

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

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

Lab Code: CHEM **Cas No:** Q1956 **SAS No :** Q1956 **SDG No:** Q1956

Matrix Spike - EPA Sample No : BSF0506S1 **Datafile:** FB031681.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS
GRO	180	0	180	100	50-150

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

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

Lab Code: CHEM **Cas No:** Q1956 **SAS No :** Q1956 **SDG No:** Q1956

Matrix Spike - EPA Sample No : BSF0605W1 **Datafile:** FB031690.D

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

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

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

Lab Code: CHEM **Cas No:** Q1956 **SAS No :** Q1956 **SDG No:** Q1956

Matrix Spike - EPA Sample No : BSF0605W2 **Datafile:** FB031692.D

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

LCS/LCSD % Recovery RPD : 0.5

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METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBF0506S1

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: FB031679.D Lab Sample ID: VBF0506S1

Date Analyzed: 05/06/25 Time Analyzed: 10:29

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
BSF0506S1	BSF0506S1	FB031681.D	05/06/25
SB1-3-4	Q1956-01	FB031682.D	05/06/25
SB2-4-5	Q1956-02	FB031683.D	05/06/25
SB2-4-5MS	Q1956-03MS	FB031684.D	05/06/25
SB2-4-5MSD	Q1956-04MSD	FB031685.D	05/06/25
SB91-3-4	Q1956-06	FB031686.D	05/06/25

COMMENTS:

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METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBF0605W1

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: FB031689.D Lab Sample ID: VBF0605W1

Date Analyzed: 05/06/25 Time Analyzed: 17:16

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

Instrument ID: FB

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSF0605W1	BSF0605W1	FB031690.D	05/06/25
FB-05022025	Q1956-07	FB031691.D	05/06/25
BSF0605W2	BSF0605W2	FB031692.D	05/06/25

COMMENTS:

SAMPLE DATA

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/01/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB1-3-4	SDG No.:	Q1956
Lab Sample ID:	Q1956-01	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	89 Decanted:
Sample Wt/Vol:	6.52 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031682.D	1	05/06/25 12:06	FB050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	18.0	J	7.00	39.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	16.9		50 - 150	85%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB050625\
Data File : FB031682.D
Signal(s) : FID2B.CH
Acq On : 6 May 2025 12:06
Operator : YP/AJ
Sample : Q1956-01
Misc : 6.52G/5.00 ML DI WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
SB1-3-4

Integration File: Calibration.e
Quant Time: May 07 05:52:05 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	388231	16.929 ng/ml
Target Compounds				

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

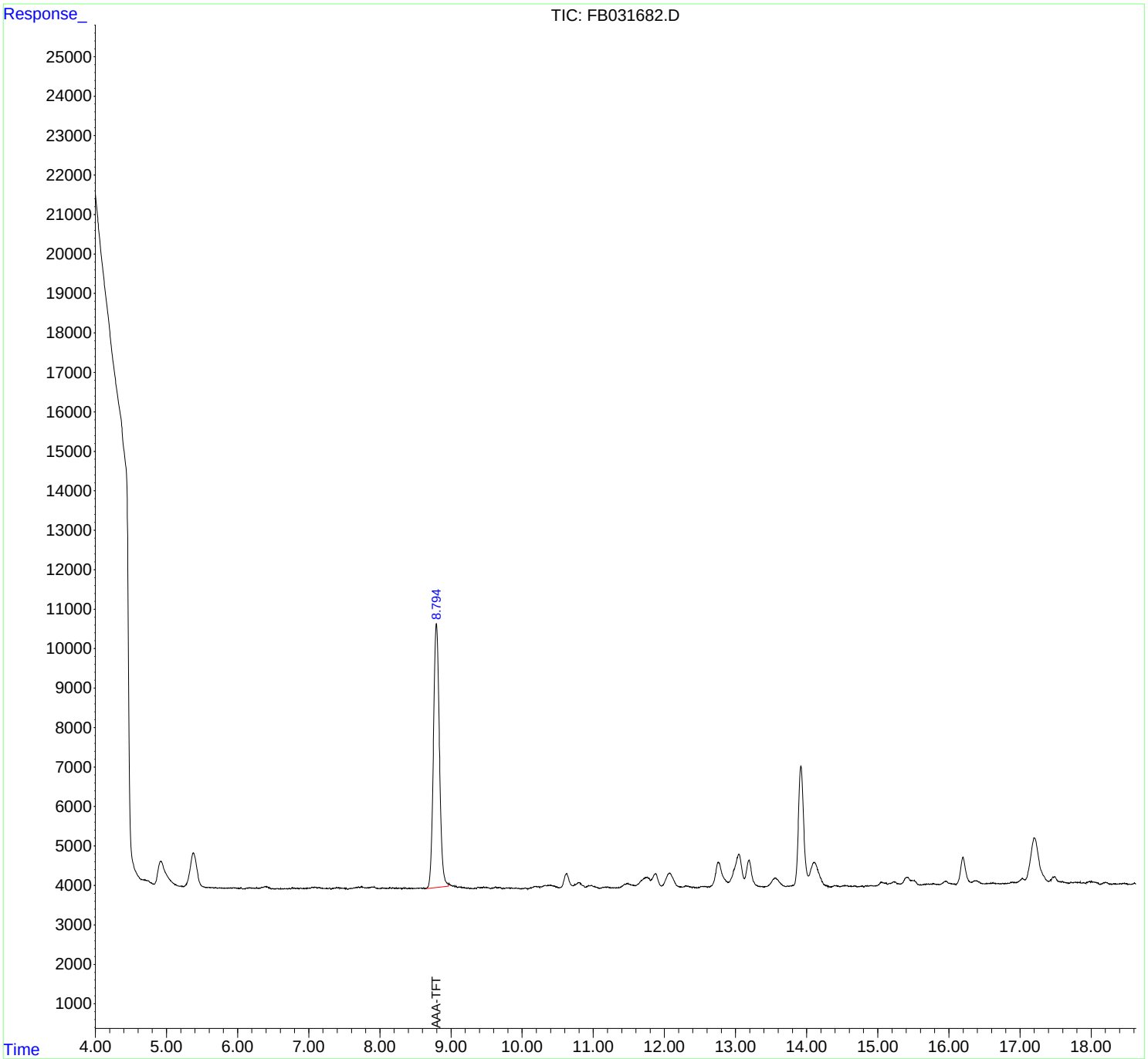
Quantitation Report (QT Reviewed)

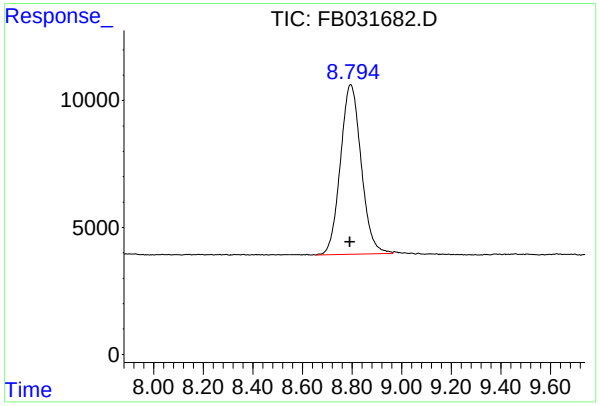
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB050625\
Data File : FB031682.D
Signal(s) : FID2B.CH
Acq On : 6 May 2025 12:06
Operator : YP/AJ
Sample : Q1956-01
Misc : 6.52G/5.00 ML DI WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
SB1-3-4

Integration File: Calibration.e
Quant Time: May 07 05:52:05 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 mi
Response: 388231
Conc: 16.93 ng/m

Instrument :
FID_B
ClientSampleId :
SB1-3-4

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB050625\
Data File : FB031682.D
Signal(s) : FID2B.CH
Acq On : 6 May 2025 12:06
Sample : Q1956-01
Misc : 6.52G/5.00 ML DI WATER
ALS Vial : 5 Sample Multiplier: 1

Integration File: SAMPLE.e

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

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.726	4.687	4.736	BV	17	294	0.07%	0.027%
2	4.743	4.736	4.829	VV	23	387	0.10%	0.035%
3	5.133	5.124	5.173	VV	46	669	0.17%	0.061%
4	5.179	5.173	5.189	VV	10	72	0.02%	0.006%
5	5.208	5.189	5.239	VV	15	260	0.06%	0.024%
6	5.593	5.584	5.623	VV	10	195	0.05%	0.018%
7	5.631	5.623	5.638	VV	13	89	0.02%	0.008%
8	5.647	5.638	5.676	VV	16	174	0.04%	0.016%
9	5.690	5.676	5.721	PV	23	283	0.07%	0.026%
10	5.742	5.721	5.756	VV	12	168	0.04%	0.015%
11	5.768	5.756	5.778	VV	18	121	0.03%	0.011%
12	5.795	5.778	5.826	PV	13	240	0.06%	0.022%
13	5.875	5.826	5.885	VV	19	370	0.09%	0.034%
14	5.904	5.885	5.929	VV	25	431	0.11%	0.039%
15	5.941	5.929	5.993	VV	28	828	0.21%	0.075%
16	6.002	5.993	6.021	VV	22	248	0.06%	0.023%
17	6.030	6.021	6.037	VV	22	159	0.04%	0.014%
18	6.047	6.037	6.073	VV	36	386	0.10%	0.035%
19	6.091	6.073	6.101	PV	9	103	0.03%	0.009%
20	6.131	6.101	6.140	VV	26	432	0.11%	0.039%
21	6.163	6.140	6.205	VV	37	1123	0.28%	0.102%
22	6.213	6.205	6.224	VV	29	272	0.07%	0.025%
23	6.233	6.224	6.245	VV	30	272	0.07%	0.025%
24	6.263	6.245	6.273	VV	36	401	0.10%	0.036%
25	6.288	6.273	6.319	VV	25	607	0.15%	0.055%
26	6.341	6.319	6.356	VV	47	830	0.21%	0.075%
27	6.394	6.356	6.408	VV	69	1678	0.42%	0.152%
28	6.414	6.408	6.449	VV	67	1113	0.28%	0.101%
29	6.457	6.449	6.472	VV	38	324	0.08%	0.029%
30	6.497	6.472	6.522	VV	18	270	0.07%	0.024%
31	6.530	6.522	6.539	VV	14	108	0.03%	0.010%
32	6.556	6.539	6.597	VV	23	403	0.10%	0.037%
33	6.606	6.597	6.625	VV	19	148	0.04%	0.013%
34	6.636	6.625	6.646	VV	12	114	0.03%	0.010%
35	6.657	6.646	6.688	VV	19	265	0.07%	0.024%
36	6.698	6.688	6.719	VV	20	181	0.05%	0.016%

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37	6.726	6.719	6.747	VV	24	231	0.06%	0.021%
38	6.763	6.747	6.788	VV	42	715	0.18%	0.065%
39	6.799	6.788	6.823	VV	33	467	0.12%	0.042%
40	6.843	6.836	6.854	VV	37	254	0.06%	0.023%
41	6.890	6.854	6.906	VV	32	577	0.14%	0.052%
42	6.919	6.906	6.942	VV	25	424	0.11%	0.038%
43	6.952	6.942	6.964	VV	27	276	0.07%	0.025%
44	6.972	6.964	6.979	VV	34	191	0.05%	0.017%
45	6.989	6.979	6.998	VV	34	294	0.07%	0.027%
46	7.055	6.998	7.064	VV	54	1492	0.37%	0.135%
47	7.085	7.064	7.095	VV	59	886	0.22%	0.080%
48	7.103	7.095	7.123	VV	52	734	0.18%	0.067%
49	7.140	7.123	7.184	VV	44	1340	0.33%	0.122%
50	7.192	7.184	7.202	VV	34	280	0.07%	0.025%
51	7.213	7.202	7.231	VV	27	401	0.10%	0.036%
52	7.260	7.231	7.271	VV	27	512	0.13%	0.046%
53	7.294	7.271	7.311	VV	38	520	0.13%	0.047%
54	7.333	7.311	7.339	VV	30	269	0.07%	0.024%
55	7.371	7.339	7.380	VV	40	704	0.18%	0.064%
56	7.392	7.380	7.407	VV	57	669	0.17%	0.061%
57	7.416	7.407	7.456	VV	50	1114	0.28%	0.101%
58	7.466	7.456	7.478	VV	38	392	0.10%	0.036%
59	7.491	7.478	7.518	VV	31	628	0.16%	0.057%
60	7.528	7.518	7.552	VV	34	340	0.08%	0.031%
61	7.572	7.552	7.582	PV	26	294	0.07%	0.027%
62	7.601	7.582	7.613	VV	28	461	0.12%	0.042%
63	7.640	7.613	7.650	VV	42	752	0.19%	0.068%
64	7.675	7.650	7.685	VV	59	1032	0.26%	0.094%
65	7.701	7.685	7.716	VV	60	1006	0.25%	0.091%
66	7.748	7.716	7.794	VV	71	2439	0.61%	0.221%
67	7.805	7.794	7.815	VV	44	504	0.13%	0.046%
68	7.833	7.815	7.842	VV	48	647	0.16%	0.059%
69	7.855	7.842	7.863	VV	49	536	0.13%	0.049%
70	7.889	7.863	7.911	VV	64	1589	0.40%	0.144%
71	7.927	7.911	7.983	VV	63	1651	0.41%	0.150%
72	7.994	7.983	8.003	VV	27	269	0.07%	0.024%
73	8.020	8.003	8.027	VV	31	365	0.09%	0.033%
74	8.037	8.027	8.072	VV	42	845	0.21%	0.077%
75	8.092	8.072	8.112	VV	32	598	0.15%	0.054%
76	8.143	8.112	8.157	VV	46	796	0.20%	0.072%
77	8.181	8.157	8.211	VV	45	980	0.24%	0.089%
78	8.217	8.211	8.224	VV	33	206	0.05%	0.019%
79	8.235	8.224	8.276	VV	38	839	0.21%	0.076%
80	8.292	8.276	8.313	VV	36	512	0.13%	0.046%
81	8.327	8.313	8.351	VV	33	566	0.14%	0.051%
82	8.363	8.351	8.387	VV	40	546	0.14%	0.050%
83	8.413	8.387	8.464	VV	37	1074	0.27%	0.097%
84	8.477	8.464	8.494	VV	23	374	0.09%	0.034%
85	8.529	8.494	8.539	VV	31	653	0.16%	0.059%
86	8.549	8.539	8.568	VV	30	469	0.12%	0.043%
87	8.587	8.568	8.595	VV	33	465	0.12%	0.042%
88	8.619	8.595	8.636	VV	40	540	0.13%	0.049%
89	8.646	8.636	8.654	VV	26	192	0.05%	0.017%

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90	8.795	8.654	9.029	VV	6731	400829	100.00%	36.341%
91	9.043	9.029	9.056	VV	92	1242	0.31%	0.113%
92	9.068	9.056	9.094	VV	85	1354	0.34%	0.123%
93	9.111	9.094	9.138	VV	57	1335	0.33%	0.121%
94	9.143	9.138	9.158	VV	57	550	0.14%	0.050%
95	9.168	9.158	9.233	VV	47	1457	0.36%	0.132%
96	9.242	9.233	9.263	VV	36	397	0.10%	0.036%
97	9.273	9.263	9.289	VV	24	302	0.08%	0.027%
98	9.298	9.289	9.310	VV	22	195	0.05%	0.018%
99	9.339	9.310	9.358	VV	30	543	0.14%	0.049%
100	9.378	9.358	9.389	VV	50	696	0.17%	0.063%
101	9.397	9.389	9.407	VV	50	429	0.11%	0.039%
102	9.416	9.407	9.448	VV	46	890	0.22%	0.081%
103	9.460	9.448	9.478	VV	62	804	0.20%	0.073%
104	9.489	9.478	9.556	VV	42	1519	0.38%	0.138%
105	9.569	9.556	9.577	VV	27	241	0.06%	0.022%
106	9.593	9.577	9.605	VV	34	421	0.11%	0.038%
107	9.627	9.605	9.677	VV	63	1668	0.42%	0.151%
108	9.686	9.677	9.724	VV	40	772	0.19%	0.070%
109	9.737	9.724	9.756	VV	28	329	0.08%	0.030%
110	9.780	9.756	9.792	VV	31	508	0.13%	0.046%
111	9.820	9.792	9.836	VV	31	665	0.17%	0.060%
112	9.847	9.836	9.898	VV	34	753	0.19%	0.068%
113	9.912	9.898	9.940	VV	26	483	0.12%	0.044%
114	9.948	9.940	9.977	VV	22	274	0.07%	0.025%
115	10.011	9.977	10.023	PV	16	263	0.07%	0.024%
116	10.044	10.023	10.092	VV	27	565	0.14%	0.051%
117	10.103	10.092	10.111	VV	20	167	0.04%	0.015%
118	10.121	10.111	10.128	VV	37	267	0.07%	0.024%
119	10.186	10.128	10.221	VV	67	2788	0.70%	0.253%
120	10.233	10.221	10.247	VV	58	793	0.20%	0.072%
121	10.261	10.247	10.274	VV	55	815	0.20%	0.074%
122	10.333	10.274	10.348	VV	89	3246	0.81%	0.294%
123	10.391	10.348	10.400	VV	100	2724	0.68%	0.247%
124	10.408	10.400	10.474	VV	93	3253	0.81%	0.295%
125	10.490	10.474	10.527	VV	51	1188	0.30%	0.108%
126	10.626	10.527	10.716	VV	391	20422	5.09%	1.852%
127	10.741	10.716	10.752	VV	108	1989	0.50%	0.180%
128	10.800	10.752	10.880	VV	161	8791	2.19%	0.797%
129	10.939	10.880	10.955	VV	79	2548	0.64%	0.231%
130	10.975	10.955	11.089	VV	87	3813	0.95%	0.346%
131	11.135	11.089	11.163	PV	38	1016	0.25%	0.092%
132	11.183	11.163	11.222	VV	44	1249	0.31%	0.113%
133	11.233	11.222	11.251	VV	27	344	0.09%	0.031%
134	11.257	11.251	11.263	VV	24	139	0.03%	0.013%
135	11.268	11.263	11.274	VV	24	131	0.03%	0.012%
136	11.278	11.274	11.284	VV	23	118	0.03%	0.011%
137	11.302	11.284	11.315	VV	25	339	0.08%	0.031%
138	11.337	11.315	11.349	VV	22	356	0.09%	0.032%
139	11.444	11.349	11.453	VV	115	3450	0.86%	0.313%
140	11.492	11.453	11.591	VV	129	8072	2.01%	0.732%
141	11.747	11.591	11.756	VV	282	17780	4.44%	1.612%

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142	11.762	11.756	11.802	VV	283	7039	1.76%	0.638%
143	11.878	11.802	11.959	VV	369	22179	5.53%	2.011%
144	12.073	11.959	12.222	VV	385	30053	7.50%	2.725%
145	12.226	12.222	12.262	VV	39	728	0.18%	0.066%
146	12.307	12.262	12.328	VV	61	1795	0.45%	0.163%
147	12.335	12.328	12.361	VV	55	803	0.20%	0.073%
148	12.367	12.361	12.395	VV	33	498	0.12%	0.045%
149	12.402	12.395	12.459	VV	27	553	0.14%	0.050%
150	12.529	12.459	12.542	PV	42	1143	0.29%	0.104%
151	12.553	12.542	12.609	VV	40	1376	0.34%	0.125%
152	12.618	12.609	12.632	VV	39	411	0.10%	0.037%
153	12.762	12.632	12.901	VV	652	47103	11.75%	4.271%
154	13.048	12.901	13.126	VV	854	64179	16.01%	5.819%
155	13.192	13.126	13.391	VV	700	38674	9.65%	3.506%
156	13.561	13.391	13.706	VV	241	20485	5.11%	1.857%
157	13.732	13.706	13.746	VV	40	729	0.18%	0.066%
158	13.762	13.746	13.767	VV	39	408	0.10%	0.037%
159	13.807	13.767	13.817	VV	60	1333	0.33%	0.121%
160	13.921	13.817	14.025	VV	3079	159828	39.87%	14.491%
161	14.109	14.025	14.354	VV	638	53877	13.44%	4.885%
162	14.393	14.354	14.408	VV	42	902	0.22%	0.082%
163	14.417	14.408	14.470	VV	42	954	0.24%	0.086%
164	14.547	14.470	14.596	VV	43	2159	0.54%	0.196%
165	14.616	14.596	14.651	VV	27	622	0.16%	0.056%
166	14.670	14.651	14.711	VV	34	701	0.17%	0.064%
167	14.786	14.711	14.813	PV	32	665	0.17%	0.060%
168	14.831	14.813	14.876	VV	23	723	0.18%	0.066%
169	14.905	14.876	14.966	VV	36	1149	0.29%	0.104%
170	15.059	14.966	15.142	VV	116	7154	1.78%	0.649%
171	15.224	15.142	15.315	VV	112	8170	2.04%	0.741%
172	15.418	15.315	15.616	VV	219	20291	5.06%	1.840%
173	15.684	15.616	15.759	VV	44	2475	0.62%	0.224%
174	15.785	15.759	15.865	VV	49	1804	0.45%	0.164%
175	15.959	15.865	16.071	VV	103	6182	1.54%	0.561%
176	16.075	16.071	16.099	VV	25	306	0.08%	0.028%
177	16.199	16.099	16.312	PV	698	35393	8.83%	3.209%
178	16.366	16.312	16.500	VV	90	5920	1.48%	0.537%

Sum of corrected areas: 1102974

FB042325.M Wed May 07 07:05:10 2025

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB2-4-5	SDG No.:	Q1956
Lab Sample ID:	Q1956-02	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	93.5 Decanted:
Sample Wt/Vol:	5.56 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031683.D	1	05/06/25 12:48	FB050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	43.0	U	8.00	43.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	17.3		50 - 150	87%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB050625\
Data File : FB031683.D
Signal(s) : FID2B.CH
Acq On : 6 May 2025 12:48
Operator : YP/AJ
Sample : Q1956-02
Misc : 5.56G/5.00 ML DI WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
SB2-4-5

Integration File: Calibration.e
Quant Time: May 07 05:52:14 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	8.795	397323	17.325 ng/ml
Target Compounds				

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

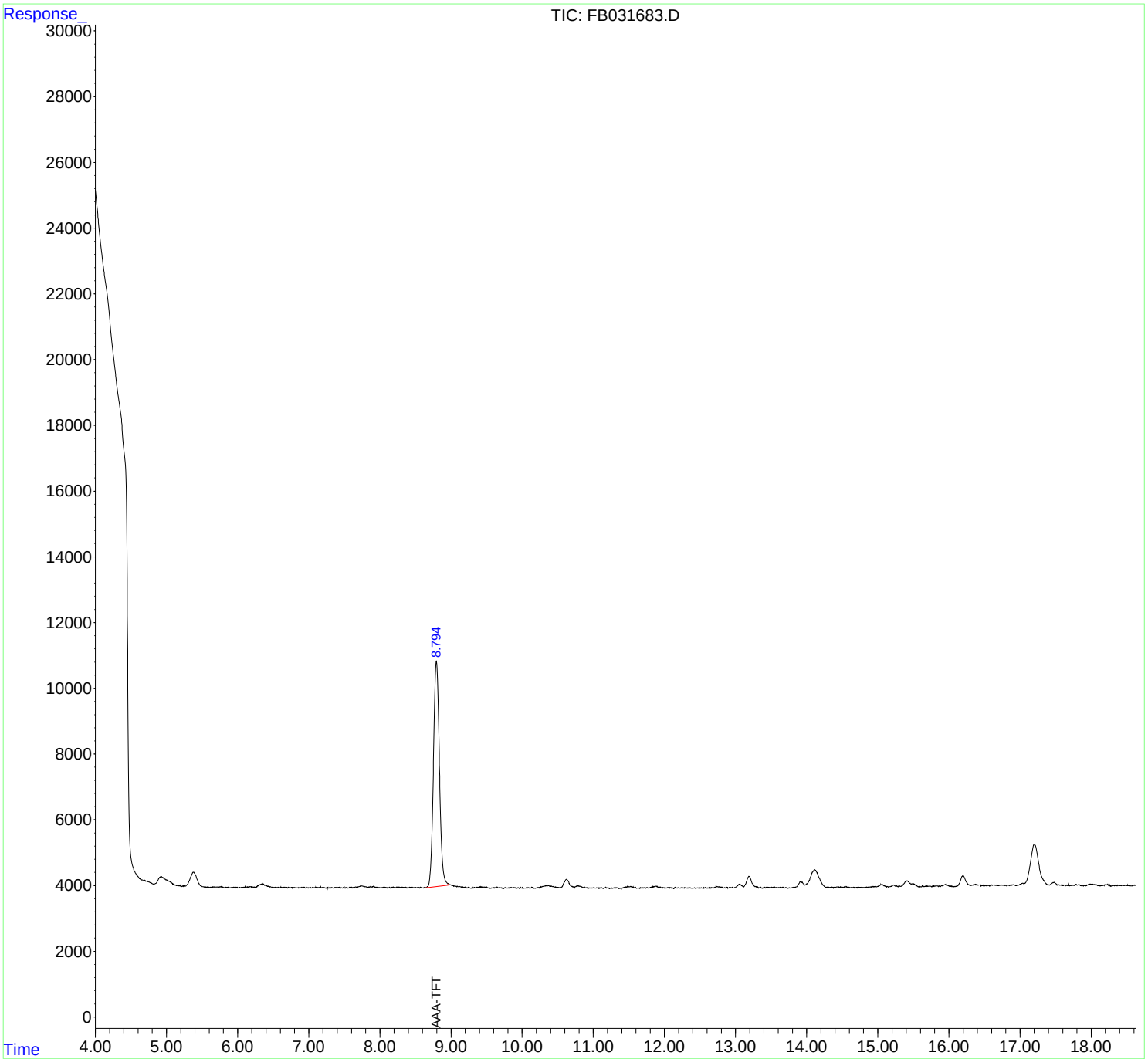
Quantitation Report (QT Reviewed)

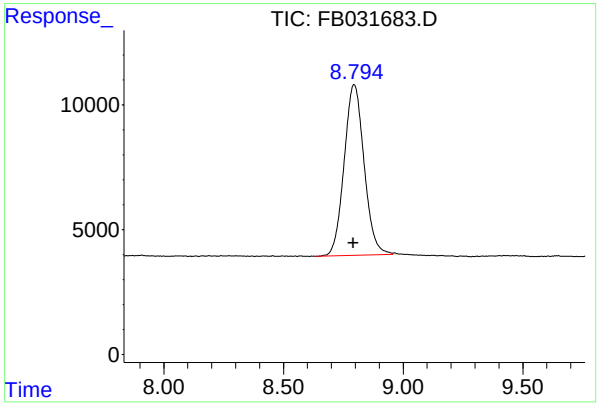
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB050625\
Data File : FB031683.D
Signal(s) : FID2B.CH
Acq On : 6 May 2025 12:48
Operator : YP/AJ
Sample : Q1956-02
Misc : 5.56G/5.00 ML DI WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
SB2-4-5

Integration File: Calibration.e
Quant Time: May 07 05:52:14 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





#5 AAA-TFT

R.T.: 8.795 min
Delta R.T.: 0.003 mi
Response: 397323
Conc: 17.33 ng/m

Instrument :
FID_B
ClientSampleId :
SB2-4-5

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB050625\
Data File : FB031683.D
Signal(s) : FID2B.CH
Acq On : 6 May 2025 12:48
Sample : Q1956-02
Misc : 5.56G/5.00 ML DI WATER
ALS Vial : 6 Sample Multiplier: 1

Integration File: SAMPLE.e

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

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.691	4.654	4.718	BV	16	291	0.07%	0.042%
2	4.730	4.718	4.821	VV	33	885	0.21%	0.128%
3	5.155	5.146	5.197	VV	33	691	0.17%	0.100%
4	5.204	5.197	5.214	VV	24	119	0.03%	0.017%
5	5.228	5.214	5.258	PV	24	505	0.12%	0.073%
6	5.585	5.559	5.610	VV	24	325	0.08%	0.047%
7	5.626	5.610	5.641	PV	15	198	0.05%	0.029%
8	5.655	5.641	5.698	VV	24	676	0.16%	0.098%
9	5.712	5.698	5.720	VV	28	290	0.07%	0.042%
10	5.728	5.720	5.737	VV	26	210	0.05%	0.030%
11	5.767	5.737	5.786	VV	40	759	0.18%	0.110%
12	5.794	5.786	5.817	VV	27	254	0.06%	0.037%
13	5.834	5.817	5.864	PV	22	312	0.08%	0.045%
14	5.873	5.864	5.887	VV	20	146	0.04%	0.021%
15	5.950	5.887	5.985	VV	20	675	0.16%	0.098%
16	5.993	5.985	6.011	VV	26	163	0.04%	0.024%
17	6.027	6.011	6.036	PV	15	109	0.03%	0.016%
18	6.063	6.036	6.071	VV	22	265	0.06%	0.038%
19	6.082	6.071	6.090	VV	26	206	0.05%	0.030%
20	6.112	6.090	6.126	VV	35	562	0.14%	0.081%
21	6.137	6.126	6.146	VV	38	353	0.09%	0.051%
22	6.159	6.146	6.193	VV	44	1047	0.25%	0.151%
23	6.201	6.193	6.227	VV	36	606	0.15%	0.088%
24	6.236	6.227	6.245	VV	33	273	0.07%	0.039%
25	6.343	6.245	6.355	VV	130	5267	1.27%	0.762%
26	6.363	6.355	6.524	VV	126	5470	1.32%	0.791%
27	6.535	6.524	6.559	VV	26	411	0.10%	0.059%
28	6.569	6.559	6.591	VV	27	338	0.08%	0.049%
29	6.616	6.591	6.638	VV	30	510	0.12%	0.074%
30	6.647	6.638	6.656	VV	30	222	0.05%	0.032%
31	6.665	6.656	6.686	VV	31	320	0.08%	0.046%
32	6.696	6.686	6.707	VV	21	175	0.04%	0.025%
33	6.718	6.707	6.737	VV	31	301	0.07%	0.043%
34	6.762	6.737	6.779	VV	23	355	0.09%	0.051%
35	6.793	6.779	6.840	VV	23	502	0.12%	0.073%
36	6.865	6.855	6.872	VV	19	127	0.03%	0.018%

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37	6.903	6.872	6.920	VV	31	538	0.13%	0.078%
38	6.932	6.920	6.953	VV	32	369	0.09%	0.053%
39	6.967	6.953	6.976	VV	29	228	0.06%	0.033%
40	6.982	6.976	6.992	VV	20	134	0.03%	0.019%
41	7.027	6.992	7.038	VV	27	416	0.10%	0.060%
42	7.053	7.038	7.078	VV	24	352	0.09%	0.051%
43	7.087	7.078	7.094	VV	19	145	0.04%	0.021%
44	7.102	7.094	7.109	VV	27	152	0.04%	0.022%
45	7.165	7.109	7.185	VV	53	1115	0.27%	0.161%
46	7.195	7.185	7.242	VV	28	599	0.14%	0.087%
47	7.255	7.242	7.278	PV	33	330	0.08%	0.048%
48	7.294	7.278	7.313	VV	20	259	0.06%	0.037%
49	7.322	7.313	7.343	VV	23	263	0.06%	0.038%
50	7.365	7.343	7.375	VV	26	248	0.06%	0.036%
51	7.387	7.375	7.398	VV	22	221	0.05%	0.032%
52	7.442	7.398	7.473	VV	39	876	0.21%	0.127%
53	7.485	7.473	7.507	VV	22	236	0.06%	0.034%
54	7.528	7.507	7.557	VV	26	335	0.08%	0.048%
55	7.572	7.557	7.581	VV	23	168	0.04%	0.024%
56	7.604	7.581	7.613	VV	23	289	0.07%	0.042%
57	7.621	7.613	7.646	PV	25	317	0.08%	0.046%
58	7.661	7.646	7.678	VV	39	581	0.14%	0.084%
59	7.731	7.678	7.739	VV	74	1751	0.42%	0.253%
60	7.746	7.739	7.795	VV	68	1782	0.43%	0.258%
61	7.804	7.795	7.835	VV	44	766	0.19%	0.111%
62	7.845	7.835	7.852	VV	30	280	0.07%	0.040%
63	7.871	7.852	7.881	VV	46	522	0.13%	0.075%
64	7.909	7.881	7.967	VV	52	1449	0.35%	0.210%
65	7.973	7.967	8.030	VB	18	273	0.07%	0.039%
66	8.061	8.039	8.082	BV	17	301	0.07%	0.043%
67	8.090	8.082	8.101	VV	20	129	0.03%	0.019%
68	8.134	8.101	8.149	PV	25	287	0.07%	0.041%
69	8.164	8.149	8.177	PV	28	287	0.07%	0.041%
70	8.189	8.177	8.201	VV	34	324	0.08%	0.047%
71	8.214	8.201	8.231	VV	26	306	0.07%	0.044%
72	8.239	8.231	8.264	VV	36	462	0.11%	0.067%
73	8.273	8.264	8.291	VV	34	406	0.10%	0.059%
74	8.301	8.291	8.359	VV	34	847	0.20%	0.122%
75	8.370	8.359	8.382	VV	25	203	0.05%	0.029%
76	8.389	8.382	8.403	VV	17	133	0.03%	0.019%
77	8.428	8.403	8.442	VV	25	395	0.10%	0.057%
78	8.456	8.442	8.482	VV	32	365	0.09%	0.053%
79	8.496	8.482	8.522	VV	22	388	0.09%	0.056%
80	8.531	8.522	8.542	VV	22	182	0.04%	0.026%
81	8.550	8.542	8.559	VV	20	145	0.04%	0.021%
82	8.569	8.559	8.611	VV	27	421	0.10%	0.061%
83	8.795	8.611	9.067	VV	6897	413970	100.00%	59.857%
84	9.074	9.067	9.111	VV	68	1485	0.36%	0.215%
85	9.119	9.111	9.153	VV	59	1187	0.29%	0.172%
86	9.162	9.153	9.185	VV	52	759	0.18%	0.110%
87	9.206	9.185	9.227	VV	45	688	0.17%	0.099%
88	9.242	9.227	9.286	VV	34	635	0.15%	0.092%
89	9.291	9.286	9.299	PV	17	60	0.01%	0.009%

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90	9.310	9.299	9.318	VV	27	157	0.04%	0.023%
91	9.333	9.318	9.341	VV	27	285	0.07%	0.041%
92	9.364	9.341	9.384	VV	36	738	0.18%	0.107%
93	9.405	9.384	9.413	VV	49	664	0.16%	0.096%
94	9.422	9.413	9.464	VV	51	1280	0.31%	0.185%
95	9.474	9.464	9.498	VV	47	761	0.18%	0.110%
96	9.505	9.498	9.559	VV	43	648	0.16%	0.094%
97	9.607	9.559	9.616	VV	32	565	0.14%	0.082%
98	9.648	9.616	9.667	VV	45	894	0.22%	0.129%
99	9.690	9.667	9.741	VV	24	645	0.16%	0.093%
100	9.761	9.741	9.793	VV	28	491	0.12%	0.071%
101	9.828	9.793	9.873	VV	27	871	0.21%	0.126%
102	9.882	9.873	9.891	VV	31	261	0.06%	0.038%
103	9.901	9.891	9.913	VV	24	233	0.06%	0.034%
104	9.923	9.913	9.931	VV	18	128	0.03%	0.019%
105	9.948	9.931	9.963	VV	25	323	0.08%	0.047%
106	9.975	9.963	9.990	PV	34	301	0.07%	0.044%
107	10.003	9.990	10.041	VV	31	376	0.09%	0.054%
108	10.060	10.041	10.075	VV	21	290	0.07%	0.042%
109	10.093	10.075	10.121	VV	26	487	0.12%	0.070%
110	10.136	10.121	10.173	VV	33	639	0.15%	0.092%
111	10.183	10.173	10.190	VV	10	69	0.02%	0.010%
112	10.214	10.190	10.222	VV	31	356	0.09%	0.052%
113	10.232	10.222	10.240	VV	33	265	0.06%	0.038%
114	10.314	10.240	10.324	VV	76	2689	0.65%	0.389%
115	10.334	10.324	10.359	VV	92	1723	0.42%	0.249%
116	10.374	10.359	10.404	VV	97	2142	0.52%	0.310%
117	10.413	10.404	10.453	VV	75	1781	0.43%	0.258%
118	10.470	10.453	10.499	VV	50	1077	0.26%	0.156%
119	10.516	10.499	10.526	VV	35	475	0.11%	0.069%
120	10.536	10.526	10.543	VV	31	288	0.07%	0.042%
121	10.626	10.543	10.739	VV	281	16011	3.87%	2.315%
122	10.769	10.739	10.776	VV	75	1352	0.33%	0.196%
123	10.785	10.776	10.861	VV	84	3148	0.76%	0.455%
124	10.876	10.861	10.888	VV	54	588	0.14%	0.085%
125	10.896	10.888	10.916	VV	29	390	0.09%	0.056%
126	10.925	10.916	10.958	VV	32	492	0.12%	0.071%
127	10.963	10.958	10.987	VV	21	296	0.07%	0.043%
128	11.005	10.987	11.036	VV	25	517	0.12%	0.075%
129	11.050	11.036	11.084	VV	25	500	0.12%	0.072%
130	11.095	11.084	11.111	VV	26	219	0.05%	0.032%
131	11.120	11.111	11.147	VV	27	311	0.08%	0.045%
132	11.176	11.147	11.185	VV	40	488	0.12%	0.071%
133	11.191	11.185	11.242	VV	29	573	0.14%	0.083%
134	11.250	11.242	11.257	VV	13	75	0.02%	0.011%
135	11.266	11.257	11.276	VV	18	116	0.03%	0.017%
136	11.297	11.276	11.320	VV	32	460	0.11%	0.067%
137	11.335	11.320	11.359	VV	28	415	0.10%	0.060%
138	11.390	11.359	11.398	PV	21	246	0.06%	0.036%
139	11.496	11.398	11.507	VV	68	2779	0.67%	0.402%
140	11.529	11.507	11.613	VV	65	2491	0.60%	0.360%
141	11.632	11.613	11.648	VV	21	291	0.07%	0.042%

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142	11.672	11.648	11.688	VV	27	405	0.10%	0.059%
143	11.696	11.688	11.707	VV	31	237	0.06%	0.034%
144	11.757	11.707	11.774	VV	33	943	0.23%	0.136%
145	11.825	11.774	11.835	VV	52	1209	0.29%	0.175%
146	11.844	11.835	11.852	VV	66	564	0.14%	0.082%
147	11.881	11.852	11.926	VV	71	2593	0.63%	0.375%
148	11.939	11.926	11.960	VV	44	685	0.17%	0.099%
149	11.968	11.960	12.022	VV	31	816	0.20%	0.118%
150	12.044	12.022	12.051	VV	23	338	0.08%	0.049%
151	12.062	12.051	12.069	VV	31	267	0.06%	0.039%
152	12.078	12.069	12.136	VV	33	759	0.18%	0.110%
153	12.154	12.136	12.164	VV	34	307	0.07%	0.044%
154	12.197	12.164	12.228	VV	28	622	0.15%	0.090%
155	12.242	12.228	12.269	VV	30	484	0.12%	0.070%
156	12.300	12.269	12.317	VV	29	531	0.13%	0.077%
157	12.328	12.317	12.350	VV	20	299	0.07%	0.043%
158	12.359	12.350	12.384	VV	19	273	0.07%	0.039%
159	12.403	12.384	12.411	VV	21	189	0.05%	0.027%
160	12.425	12.411	12.443	VV	27	242	0.06%	0.035%
161	12.463	12.443	12.473	VV	17	219	0.05%	0.032%
162	12.479	12.473	12.483	VV	16	81	0.02%	0.012%
163	12.495	12.483	12.505	VV	23	228	0.06%	0.033%
164	12.519	12.505	12.530	VV	26	230	0.06%	0.033%
165	12.550	12.530	12.559	VV	29	288	0.07%	0.042%
166	12.578	12.559	12.589	VV	31	320	0.08%	0.046%
167	12.636	12.589	12.659	VV	27	619	0.15%	0.090%
168	12.666	12.659	12.690	VV	29	353	0.09%	0.051%
169	12.728	12.690	12.765	VV	65	1953	0.47%	0.282%
170	12.773	12.765	12.831	VV	54	1416	0.34%	0.205%
171	12.851	12.831	12.861	VV	24	309	0.07%	0.045%
172	12.877	12.861	12.904	VV	39	546	0.13%	0.079%
173	12.930	12.904	12.939	VV	29	438	0.11%	0.063%
174	12.955	12.939	12.981	VV	39	549	0.13%	0.079%
175	13.049	12.981	13.117	VV	132	6098	1.47%	0.882%
176	13.189	13.117	13.278	VV	366	18785	4.54%	2.716%
177	13.285	13.278	13.336	VV	57	1252	0.30%	0.181%
178	13.357	13.336	13.374	VV	34	404	0.10%	0.058%
179	13.411	13.374	13.422	PV	31	429	0.10%	0.062%
180	13.438	13.422	13.449	VV	33	389	0.09%	0.056%
181	13.458	13.449	13.487	VV	33	564	0.14%	0.082%
182	13.513	13.487	13.547	VV	32	817	0.20%	0.118%
183	13.556	13.547	13.564	VV	31	237	0.06%	0.034%
184	13.572	13.564	13.590	VV	27	295	0.07%	0.043%
185	13.612	13.590	13.625	VV	23	413	0.10%	0.060%
186	13.630	13.625	13.655	VV	35	405	0.10%	0.059%
187	13.664	13.655	13.684	VV	36	436	0.11%	0.063%
188	13.706	13.684	13.739	VV	29	506	0.12%	0.073%
189	13.758	13.739	13.768	PV	14	142	0.03%	0.020%
190	13.793	13.768	13.802	VV	14	237	0.06%	0.034%
191	13.824	13.802	13.841	VV	38	595	0.14%	0.086%
192	13.912	13.841	13.975	VV	199	9847	2.38%	1.424%
193	14.114	13.975	14.270	VV	565	49690	12.00%	7.185%
194	14.295	14.270	14.321	VV	35	734	0.18%	0.106%

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195	14.329	14.321	14.334	VV	19	127	0.03%	0.018%
196	14.352	14.334	14.374	VV	33	514	0.12%	0.074%
197	14.398	14.374	14.408	VV	29	389	0.09%	0.056%
198	14.424	14.408	14.460	VV	35	832	0.20%	0.120%
199	14.480	14.460	14.502	VV	36	573	0.14%	0.083%
200	14.558	14.502	14.571	VV	41	1118	0.27%	0.162%
201	14.583	14.571	14.605	VV	36	441	0.11%	0.064%
202	14.627	14.605	14.642	VV	18	220	0.05%	0.032%
203	14.662	14.642	14.672	VV	24	239	0.06%	0.035%
204	14.679	14.672	14.690	VV	17	118	0.03%	0.017%
205	14.703	14.690	14.715	VV	17	137	0.03%	0.020%
206	14.724	14.715	14.751	VV	18	249	0.06%	0.036%
207	14.775	14.751	14.794	VV	19	303	0.07%	0.044%
208	14.800	14.794	14.808	PV	14	71	0.02%	0.010%
209	14.841	14.808	14.850	VV	27	384	0.09%	0.056%
210	14.856	14.850	14.886	VV	14	316	0.08%	0.046%
211	14.944	14.886	14.986	VV	40	1730	0.42%	0.250%
212	15.063	14.986	15.170	VV	96	5675	1.37%	0.821%
213	15.220	15.170	15.322	VV	74	4059	0.98%	0.587%
214	15.413	15.322	15.492	VV	201	12485	3.02%	1.805%
215	15.498	15.492	15.608	VV	115	3519	0.85%	0.509%
216	15.628	15.608	15.654	VV	44	652	0.16%	0.094%
217	15.683	15.654	15.709	VV	41	963	0.23%	0.139%
218	15.724	15.709	15.759	VV	32	747	0.18%	0.108%
219	15.831	15.759	15.885	VV	37	1987	0.48%	0.287%
220	15.951	15.885	16.032	VV	77	3917	0.95%	0.566%
221	16.057	16.032	16.073	VV	26	437	0.11%	0.063%
222	16.200	16.073	16.319	PV	343	18262	4.41%	2.641%
223	16.379	16.319	16.416	VV	59	2615	0.63%	0.378%
			Sum of corrected areas:			691603		

FB042325.M Wed May 07 07:06:49 2025

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/01/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB91-3-4	SDG No.:	Q1956
Lab Sample ID:	Q1956-06	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	90.2 Decanted:
Sample Wt/Vol:	6.22 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031686.D	1	05/06/25 15:25	FB050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	13.0	J	7.00	40.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	14.4		50 - 150	72%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB050625\
Data File : FB031686.D
Signal(s) : FID2B.CH
Acq On : 6 May 2025 15:25
Operator : YP/AJ
Sample : Q1956-06
Misc : 6.22G/5.00 ML DI WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
SB91-3-4

Integration File: Calibration.e
Quant Time: May 07 05:52:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
System Monitoring Compounds				
5) s	AAA-TFT	8.795	330827	14.426 ng/ml
Target Compounds				

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

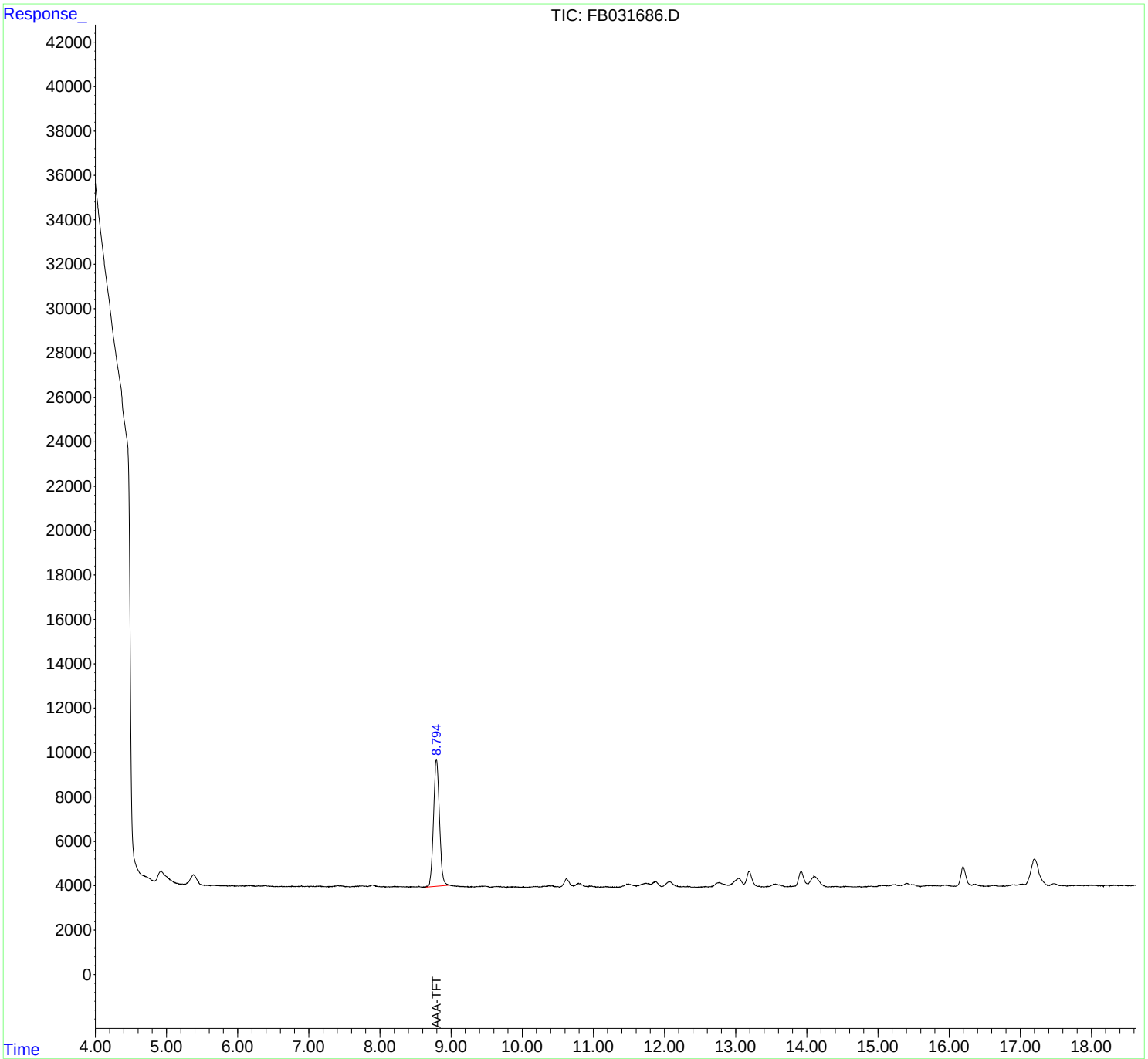
Quantitation Report (QT Reviewed)

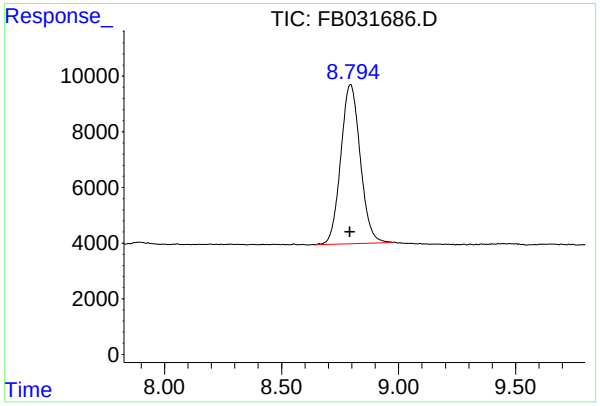
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB050625\
Data File : FB031686.D
Signal(s) : FID2B.CH
Acq On : 6 May 2025 15:25
Operator : YP/AJ
Sample : Q1956-06
Misc : 6.22G/5.00 ML DI WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
SB91-3-4

Integration File: Calibration.e
Quant Time: May 07 05:52:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#5 AAA-TFT

R.T.: 8.795 min
Delta R.T.: 0.003 mi
Response: 330827
Conc: 14.43 ng/m

Instrument :
FID_B
ClientSampleId :
SB91-3-4

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB050625\
Data File : FB031686.D
Signal(s) : FID2B.CH
Acq On : 6 May 2025 15:25
Sample : Q1956-06
Misc : 6.22G/5.00 ML DI WATER
ALS Vial : 9 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	5.152	5.144	5.181	VV	28	234	0.07%	0.028%
2	5.189	5.181	5.196	PV	6	29	0.01%	0.003%
3	5.205	5.196	5.238	VV	13	189	0.06%	0.023%
4	5.581	5.573	5.623	VV	9	50	0.01%	0.006%
5	5.635	5.623	5.642	PV	12	82	0.02%	0.010%
6	5.661	5.642	5.678	VV	14	260	0.08%	0.031%
7	5.683	5.678	5.714	VV	23	271	0.08%	0.033%
8	5.727	5.714	5.772	VV	21	365	0.11%	0.044%
9	5.785	5.772	5.814	VV	21	256	0.07%	0.031%
10	5.822	5.814	5.859	VV	23	318	0.09%	0.038%
11	5.887	5.859	5.896	VV	26	250	0.07%	0.030%
12	5.910	5.896	5.921	PV	24	227	0.07%	0.027%
13	5.930	5.921	5.986	VV	29	573	0.17%	0.069%
14	5.996	5.986	6.015	VV	18	218	0.06%	0.026%
15	6.040	6.015	6.060	VV	24	420	0.12%	0.051%
16	6.075	6.060	6.090	VV	28	318	0.09%	0.038%
17	6.118	6.090	6.129	VV	34	555	0.16%	0.067%
18	6.164	6.129	6.174	VV	49	934	0.27%	0.113%
19	6.183	6.174	6.194	VV	47	450	0.13%	0.054%
20	6.205	6.194	6.246	VV	44	852	0.25%	0.103%
21	6.264	6.246	6.279	VV	23	329	0.10%	0.040%
22	6.291	6.279	6.302	VV	41	380	0.11%	0.046%
23	6.333	6.302	6.343	VV	32	580	0.17%	0.070%
24	6.387	6.343	6.419	VV	48	1628	0.48%	0.197%
25	6.432	6.419	6.454	VV	35	489	0.14%	0.059%
26	6.463	6.454	6.473	VV	23	206	0.06%	0.025%
27	6.489	6.473	6.500	VV	24	277	0.08%	0.034%
28	6.507	6.500	6.518	VV	9	73	0.02%	0.009%
29	6.532	6.518	6.582	VV	20	405	0.12%	0.049%
30	6.592	6.582	6.598	VV	20	118	0.03%	0.014%
31	6.615	6.598	6.637	VV	29	401	0.12%	0.048%
32	6.645	6.637	6.651	PV	16	85	0.02%	0.010%
33	6.658	6.651	6.669	VV	17	126	0.04%	0.015%
34	6.726	6.669	6.744	VV	22	684	0.20%	0.083%
35	6.756	6.744	6.794	VV	30	647	0.19%	0.078%
36	6.837	6.819	6.849	VV	27	381	0.11%	0.046%

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37	6.857	6.849	6.887	VV	36	560	0.16%	0.068%
38	6.900	6.887	6.920	VV	52	601	0.18%	0.073%
39	6.928	6.920	6.942	VV	28	274	0.08%	0.033%
40	6.962	6.942	6.981	VV	30	553	0.16%	0.067%
41	6.988	6.981	7.001	VV	34	307	0.09%	0.037%
42	7.026	7.001	7.032	VV	31	479	0.14%	0.058%
43	7.042	7.032	7.055	VV	37	391	0.11%	0.047%
44	7.066	7.055	7.097	VV	32	585	0.17%	0.071%
45	7.109	7.097	7.118	VV	43	414	0.12%	0.050%
46	7.123	7.118	7.134	VV	41	339	0.10%	0.041%
47	7.154	7.134	7.192	VV	47	1216	0.36%	0.147%
48	7.204	7.192	7.245	VV	36	683	0.20%	0.083%
49	7.260	7.245	7.280	VV	28	350	0.10%	0.042%
50	7.290	7.280	7.304	PV	24	255	0.07%	0.031%
51	7.311	7.304	7.327	VV	27	310	0.09%	0.037%
52	7.341	7.327	7.352	VV	35	434	0.13%	0.052%
53	7.417	7.352	7.427	VV	73	2248	0.66%	0.272%
54	7.448	7.427	7.515	VV	65	2321	0.68%	0.281%
55	7.541	7.515	7.579	VV	35	945	0.28%	0.114%
56	7.657	7.579	7.671	PV	41	1381	0.40%	0.167%
57	7.689	7.671	7.702	VV	53	690	0.20%	0.083%
58	7.747	7.702	7.767	VV	60	1994	0.58%	0.241%
59	7.780	7.767	7.790	VV	56	655	0.19%	0.079%
60	7.804	7.790	7.833	VV	49	1003	0.29%	0.121%
61	7.850	7.833	7.857	VV	54	629	0.18%	0.076%
62	7.893	7.857	7.922	VV	100	3169	0.93%	0.383%
63	7.930	7.922	7.983	VV	82	1709	0.50%	0.207%
64	7.993	7.983	8.025	VV	34	561	0.16%	0.068%
65	8.053	8.025	8.080	VV	36	760	0.22%	0.092%
66	8.088	8.080	8.113	VV	21	341	0.10%	0.041%
67	8.123	8.113	8.147	VV	24	353	0.10%	0.043%
68	8.154	8.147	8.166	VV	26	236	0.07%	0.029%
69	8.195	8.166	8.216	VV	35	711	0.21%	0.086%
70	8.225	8.216	8.235	VV	35	274	0.08%	0.033%
71	8.244	8.235	8.303	VV	37	962	0.28%	0.116%
72	8.313	8.303	8.351	VV	28	571	0.17%	0.069%
73	8.383	8.351	8.411	VV	26	576	0.17%	0.070%
74	8.467	8.411	8.496	VV	28	989	0.29%	0.120%
75	8.518	8.496	8.537	VV	23	421	0.12%	0.051%
76	8.553	8.537	8.584	VV	42	593	0.17%	0.072%
77	8.592	8.584	8.614	VV	24	234	0.07%	0.028%
78	8.660	8.614	8.667	VV	56	685	0.20%	0.083%
79	8.795	8.667	9.000	VV	5775	342198	100.00%	41.396%
80	9.006	9.000	9.085	VV	85	3320	0.97%	0.402%
81	9.093	9.085	9.160	VV	63	1924	0.56%	0.233%
82	9.172	9.160	9.266	VV	37	1768	0.52%	0.214%
83	9.280	9.266	9.325	VV	37	846	0.25%	0.102%
84	9.355	9.325	9.386	VV	43	1164	0.34%	0.141%
85	9.475	9.386	9.548	VV	58	4215	1.23%	0.510%
86	9.645	9.548	9.686	VV	43	2439	0.71%	0.295%
87	9.697	9.686	9.739	VV	39	897	0.26%	0.108%
88	9.745	9.739	9.779	VV	36	455	0.13%	0.055%
89	9.799	9.779	9.812	VV	32	395	0.12%	0.048%

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90	9.847	9.812	9.901	VV	36	1280	0.37%	0.155%
91	9.909	9.901	9.984	VV	41	917	0.27%	0.111%
92	10.013	9.984	10.036	VV	35	547	0.16%	0.066%
93	10.091	10.036	10.105	PV	19	557	0.16%	0.067%
94	10.212	10.105	10.235	VV	53	2531	0.74%	0.306%
95	10.315	10.235	10.332	VV	60	2407	0.70%	0.291%
96	10.379	10.332	10.394	VV	78	2350	0.69%	0.284%
97	10.418	10.394	10.477	VV	74	2824	0.83%	0.342%
98	10.497	10.477	10.526	VV	42	1014	0.30%	0.123%
99	10.623	10.526	10.719	VV	392	21337	6.24%	2.581%
100	10.789	10.719	10.921	VV	178	13248	3.87%	1.603%
101	10.948	10.921	11.040	VV	75	3460	1.01%	0.419%
102	11.052	11.040	11.092	VV	33	628	0.18%	0.076%
103	11.170	11.092	11.231	VV	43	2236	0.65%	0.270%
104	11.244	11.231	11.312	VV	35	852	0.25%	0.103%
105	11.325	11.312	11.350	VV	28	332	0.10%	0.040%
106	11.474	11.350	11.604	VV	152	13367	3.91%	1.617%
107	11.737	11.604	11.813	VV	198	17766	5.19%	2.149%
108	11.881	11.813	11.960	VV	266	15344	4.48%	1.856%
109	12.073	11.960	12.235	VV	260	20567	6.01%	2.488%
110	12.273	12.235	12.289	VV	45	1137	0.33%	0.138%
111	12.325	12.289	12.383	VV	53	1931	0.56%	0.234%
112	12.401	12.383	12.442	VV	28	546	0.16%	0.066%
113	12.572	12.442	12.617	PV	44	2434	0.71%	0.294%
114	12.770	12.617	12.904	VV	219	21415	6.26%	2.591%
115	13.043	12.904	13.118	VV	410	32692	9.55%	3.955%
116	13.191	13.118	13.319	VV	724	39305	11.49%	4.755%
117	13.329	13.319	13.358	VV	53	883	0.26%	0.107%
118	13.376	13.358	13.395	VV	27	501	0.15%	0.061%
119	13.427	13.395	13.444	VV	39	693	0.20%	0.084%
120	13.559	13.444	13.719	VV	151	13274	3.88%	1.606%
121	13.772	13.719	13.789	VV	56	1501	0.44%	0.182%
122	13.920	13.789	14.023	VV	726	41026	11.99%	4.963%
123	14.112	14.023	14.303	VV	486	40088	11.71%	4.850%
124	14.320	14.303	14.334	VV	28	311	0.09%	0.038%
125	14.401	14.334	14.471	VV	34	1940	0.57%	0.235%
126	14.549	14.471	14.661	PV	44	2486	0.73%	0.301%
127	14.680	14.661	14.697	VV	27	326	0.10%	0.039%
128	14.740	14.697	14.761	VV	28	648	0.19%	0.078%
129	14.774	14.761	14.788	PV	21	165	0.05%	0.020%
130	14.820	14.788	14.841	VV	29	531	0.16%	0.064%
131	14.905	14.841	14.936	VV	41	1628	0.48%	0.197%
132	15.055	14.936	15.080	VV	92	3825	1.12%	0.463%
133	15.104	15.080	15.145	VV	75	2324	0.68%	0.281%
134	15.245	15.145	15.284	VV	107	6495	1.90%	0.786%
135	15.315	15.284	15.335	VV	74	2023	0.59%	0.245%
136	15.400	15.335	15.481	VV	159	9673	2.83%	1.170%
137	15.507	15.481	15.604	VV	98	4095	1.20%	0.495%
138	15.666	15.604	15.678	VV	44	1282	0.37%	0.155%
139	15.703	15.678	15.776	VV	62	2727	0.80%	0.330%
140	15.786	15.776	15.885	VV	52	2476	0.72%	0.300%
141	15.937	15.885	16.091	VV	81	5208	1.52%	0.630%

rteres

142	16.198	16.091	16.320	VV	877	45715	13.36%	5.530%
143	16.374	16.320	16.508	VV	93	5539	1.62%	0.670%
144	16.544	16.508	16.561	PV	11	188	0.06%	0.023%

Sum of corrected areas: 826637

FB042325.M Wed May 07 07:13:27 2025

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	FB-05022025	SDG No.:	Q1956
Lab Sample ID:	Q1956-07	Matrix:	Water
Analytical Method:	8015D GRO	% Solid:	0 Decanted:
Sample Wt/Vol:	5 Units: mL	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031691.D	1	05/06/25 18:10	FB050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
GRO	GRO	45.0	U	6.00	45.0	ug/L
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	20.4		50 - 150	102%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB050625\
Data File : FB031691.D
Signal(s) : FID2B.CH
Acq On : 6 May 2025 18:10
Operator : YP/AJ
Sample : Q1956-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
FB-05022025

Integration File: Calibration.e
Quant Time: May 07 05:53:41 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	8.796	466800	20.355 ng/ml
Target Compounds				

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

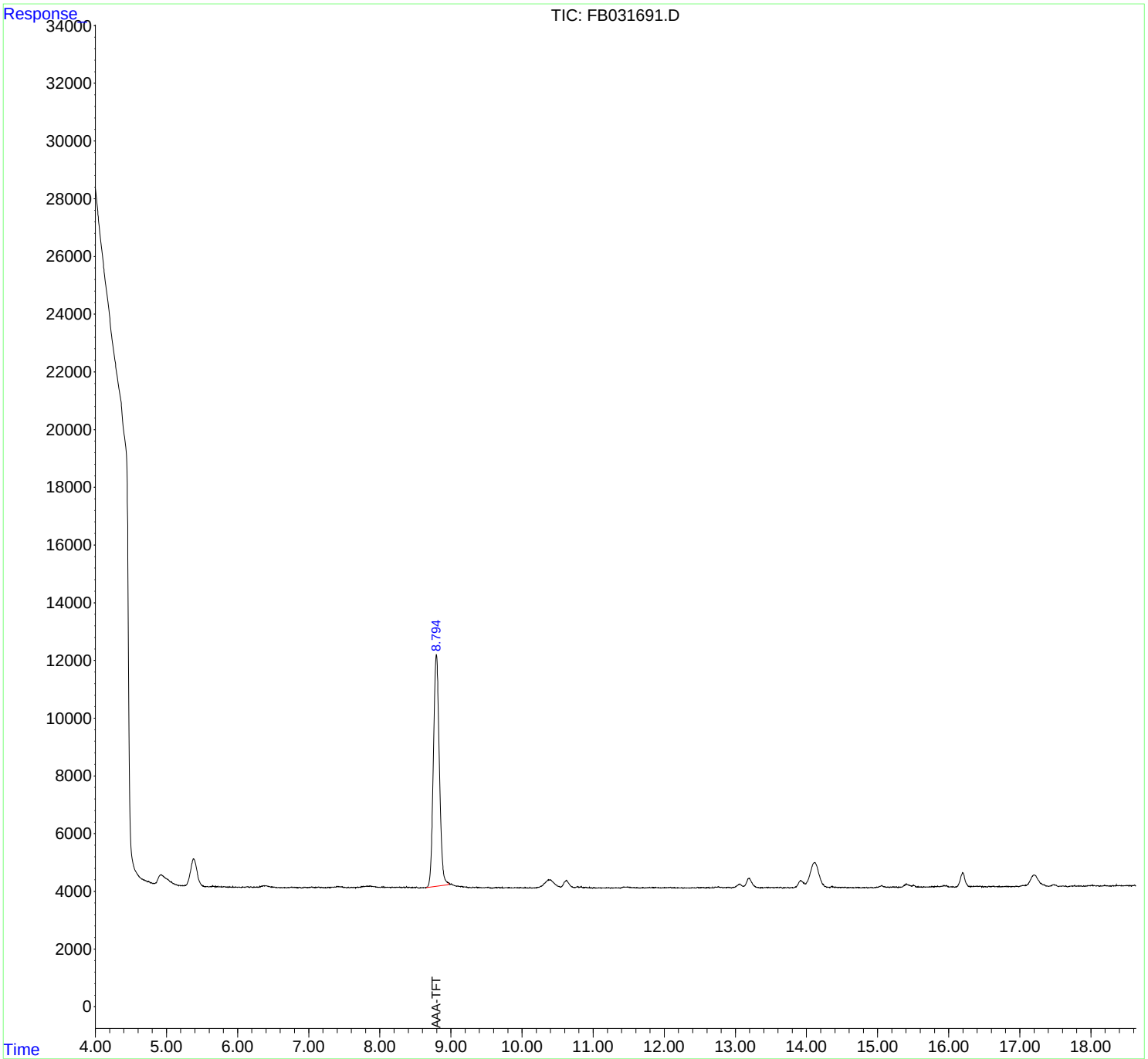
Quantitation Report (QT Reviewed)

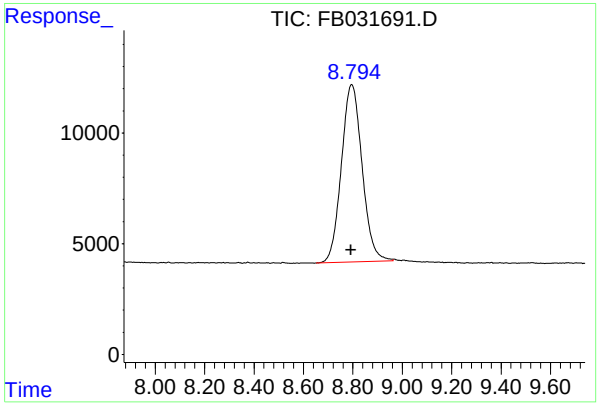
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB050625\
Data File : FB031691.D
Signal(s) : FID2B.CH
Acq On : 6 May 2025 18:10
Operator : YP/AJ
Sample : Q1956-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
FB-05022025

Integration File: Calibration.e
Quant Time: May 07 05:53:41 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





#5 AAA-TFT

R.T.: 8.796 min
Delta R.T.: 0.004 mi
Response: 466800
Conc: 20.36 ng/m

Instrument :
FID_B
ClientSampleId :
FB-05022025

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB050625\
Data File : FB031691.D
Signal(s) : FID2B.CH
Acq On : 6 May 2025 18:10
Sample : Q1956-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: Calibration.e

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

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	8.796	8.651	8.963	BV	8018	466800	100.00%	74.277%
2	8.968	8.963	8.997	VV	76	741	0.16%	0.118%
3	10.391	10.234	10.397	VV	281	15299	3.28%	2.434%
4	10.404	10.397	10.543	VV	280	11591	2.48%	1.844%
5	10.627	10.543	10.752	VV	253	12942	2.77%	2.059%
6	13.064	12.982	13.118	BV	119	5163	1.11%	0.822%
7	13.194	13.118	13.307	VV	324	16983	3.64%	2.702%
8	13.919	13.765	13.989	PV	224	11210	2.40%	1.784%
9	14.118	13.989	14.232	VV	791	62288	13.34%	9.911%
10	15.411	15.336	15.481	VV	94	3996	0.86%	0.636%
11	16.197	16.083	16.275	PV	489	21446	4.59%	3.412%
			Sum of corrected areas:			628459		

FB042325.M Wed May 07 07:14:23 2025

CALIBRATION SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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GASOLINE RANGE ORGANICS INITIAL CALIBRATION SUMMARY

Lab Name: Chemtech Contract: CAMP02

ProjectID: Bergen Point Fueling System

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

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**

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GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Chemtech Contract: CAMP02

ProjectID: Bergen Point Fueling System

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

DataFile: FB031678.D Analyst Name: YP/AJ Analyst Date: 05-06-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	5796971	32205	33435	3.679

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB050625\
Data File : FB031678.D
Signal(s) : FID2B.CH
Acq On : 6 May 2025 9:47
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 05/07/2025
Supervised By :mohammad ahmed 05/08/2025

Integration File: Calibration.e
Quant Time: May 07 05:51:19 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	402101	17.534	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.722	570006	25.651	ng/mlm
2) t	2,2,4-Trimethylpentane	7.421	961339	28.143	ng/ml
3) t	n-Heptane	7.755	267727	8.704	ng/ml
4) t	Benzene	7.894	392371	9.595	ng/ml
6) t	Toluene	10.621	1146776	28.783	ng/ml
7) t	Ethylbenzene	13.056	354043	9.908	ng/ml
8) t	m-Xylene	13.190	790563	20.234	ng/ml
9) t	O-Xylene	13.917	727030	19.733	ng/ml
10) t	1,2,4-Trimethylbenzene	16.193	587116	21.766	ng/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB050625\
Data File : FB031678.D
Signal(s) : FID2B.CH
Acq On : 6 May 2025 9:47
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

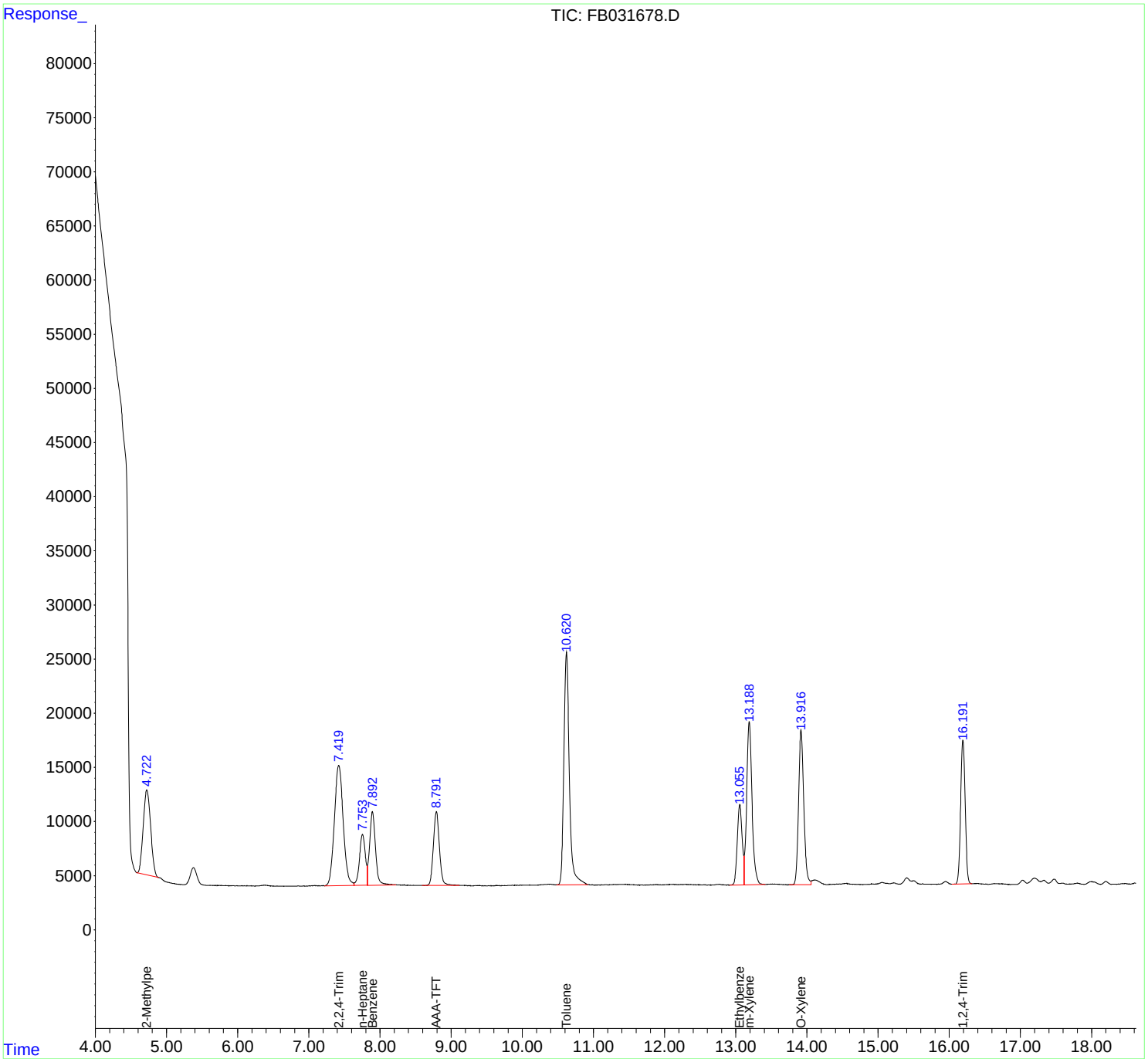
Integration File: Calibration.e
Quant Time: May 07 05:51:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025



Instrument :
FID_B
LabSampleId :
20 PPB GRO STD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB05062
Data File : FB031678.D
Signal(s) : FID2B.CH
Acq On : 6 May 2025 9:47
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	4.724	4.582	5.138	BV	7913	581460	50.70%	9.362%
2	7.421	7.218	7.636	PV	11117	961339	83.83%	15.479%
3	7.755	7.636	7.821	VV	4714	267727	23.35%	4.311%
4	7.894	7.821	8.225	VV	6787	392371	34.22%	6.318%
5	8.793	8.590	9.119	BV	6813	402101	35.06%	6.475%
6	10.621	10.477	10.923	BV	21475	1146776	100.00%	18.465%
7	13.056	12.912	13.116	PV	7440	354043	30.87%	5.701%
8	13.190	13.116	13.416	VV	15064	790563	68.94%	12.729%
9	13.917	13.747	14.056	BV	14291	727030	63.40%	11.706%
10	16.193	16.037	16.322	PV	13282	587116	51.20%	9.454%

Sum of corrected areas: 6210527

FB042325.M Wed May 07 06:45:06 2025

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GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Chemtech Contract: CAMP02

ProjectID: Bergen Point Fueling System

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

DataFile: FB031688.D Analyst Name: YP/AJ Analyst Date: 05-06-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	6145867	34144	33435	2.121

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB050625\
Data File : FB031688.D
Signal(s) : FID2B.CH
Acq On : 6 May 2025 16:21
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: Calibration.e
Quant Time: May 07 05:53:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
5) s	AAA-TFT	8.796	401463	17.506	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.727	622375	28.008	ng/mlm
2) t	2,2,4-Trimethylpentane	7.425	1039785	30.440	ng/ml
3) t	n-Heptane	7.757	301402	9.799	ng/ml
4) t	Benzene	7.897	423301	10.352	ng/ml
6) t	Toluene	10.624	1240870	31.145	ng/ml
7) t	Ethylbenzene	13.061	372314	10.419	ng/ml
8) t	m-Xylene	13.194	820385	20.997	ng/ml
9) t	O-Xylene	13.922	765847	20.787	ng/ml
10) t	1,2,4-Trimethylbenzene	16.197	559588	20.745	ng/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB050625\
Data File : FB031688.D
Signal(s) : FID2B.CH
Acq On : 6 May 2025 16:21
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

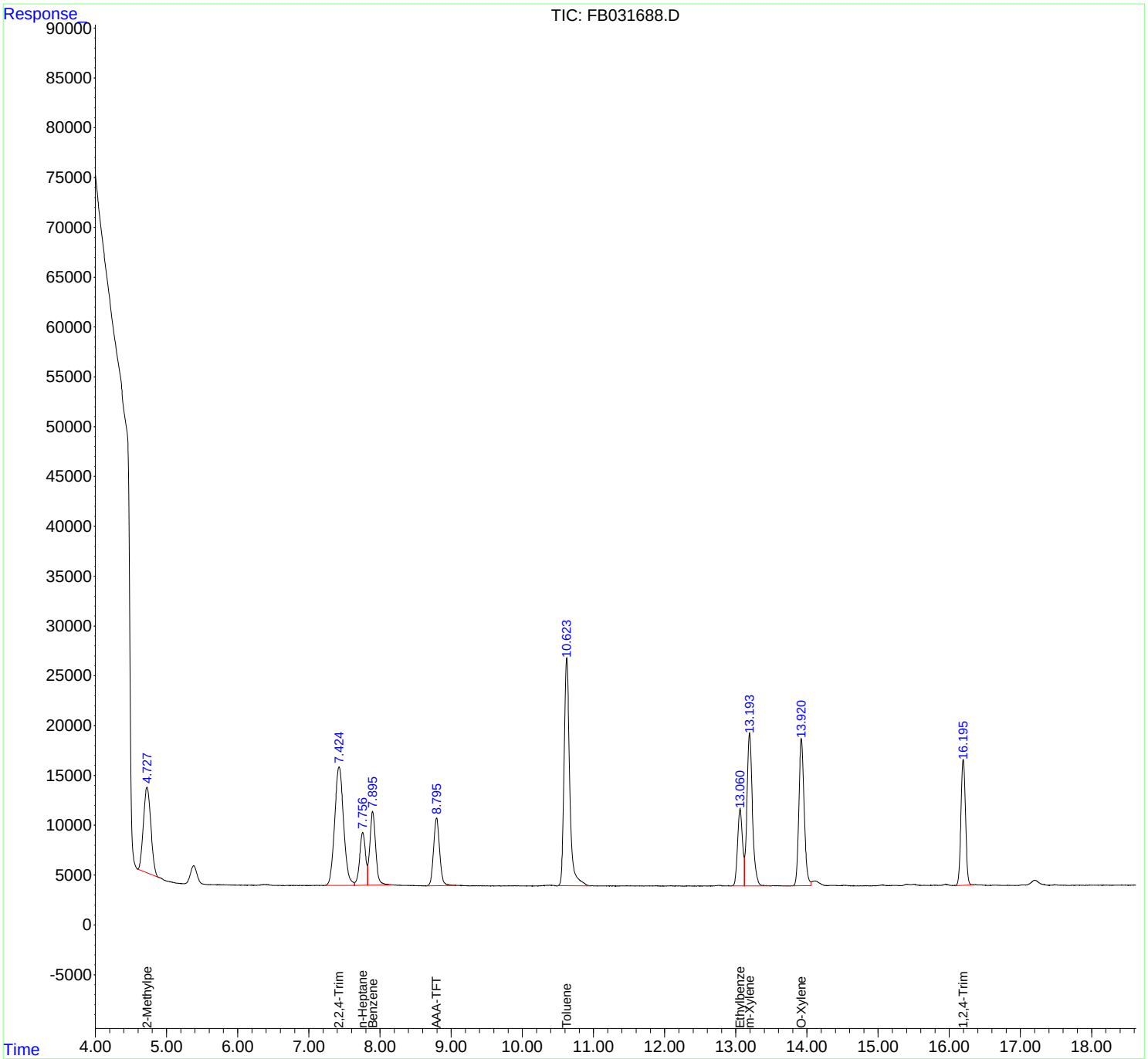
Integration File: Calibration.e
Quant Time: May 07 05:53:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025



Instrument :
FID_B
LabSampleId :
20 PPB GRO STD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB05062
Data File : FB031688.D
Signal(s) : FID2B.CH
Acq On : 6 May 2025 16:21
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: Calibration.e

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

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.727	4.587	5.094	BV	8563	610386	49.19%	9.340%
2	7.425	7.228	7.641	VV	11906	1039785	83.79%	15.910%
3	7.757	7.641	7.825	VV	5299	301402	24.29%	4.612%
4	7.897	7.825	8.169	VV	7394	423301	34.11%	6.477%
5	8.796	8.652	9.077	PV	6809	401463	32.35%	6.143%
6	10.624	10.474	10.956	BV	22853	1240870	100.00%	18.987%
7	13.061	12.915	13.121	PV	7753	372314	30.00%	5.697%
8	13.194	13.121	13.502	VV	15325	820385	66.11%	12.553%
9	13.922	13.664	14.059	BV	14784	765847	61.72%	11.719%
10	16.197	16.073	16.333	PV	12630	559588	45.10%	8.562%

Sum of corrected areas: 6535341

FB042325.M Wed May 07 06:49:08 2025

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GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Chemtech Contract: CAMP02

ProjectID: Bergen Point Fueling System

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

DataFile: FB031693.D Analyst Name: YP/AJ Analyst Date: 05-06-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	5937298	32985	33435	1.346

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB050625\
Data File : FB031693.D
Signal(s) : FID2B.CH
Acq On : 6 May 2025 19:05
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File: Calibration.e
Quant Time: May 07 05:54:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
5) s	AAA-TFT	8.794	484000	21.105	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.723	619672	27.886	ng/mlm
2) t	2,2,4-Trimethylpentane	7.424	1019945	29.859	ng/ml
3) t	n-Heptane	7.756	274475	8.924	ng/ml
4) t	Benzene	7.896	413414	10.110	ng/ml
6) t	Toluene	10.623	1179030	29.593	ng/ml
7) t	Ethylbenzene	13.060	358456	10.031	ng/ml
8) t	m-Xylene	13.194	789342	20.202	ng/ml
9) t	O-Xylene	13.921	742611	20.156	ng/ml
10) t	1,2,4-Trimethylbenzene	16.196	540353	20.032	ng/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB050625\
Data File : FB031693.D
Signal(s) : FID2B.CH
Acq On : 6 May 2025 19:05
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 17 Sample Multiplier: 1

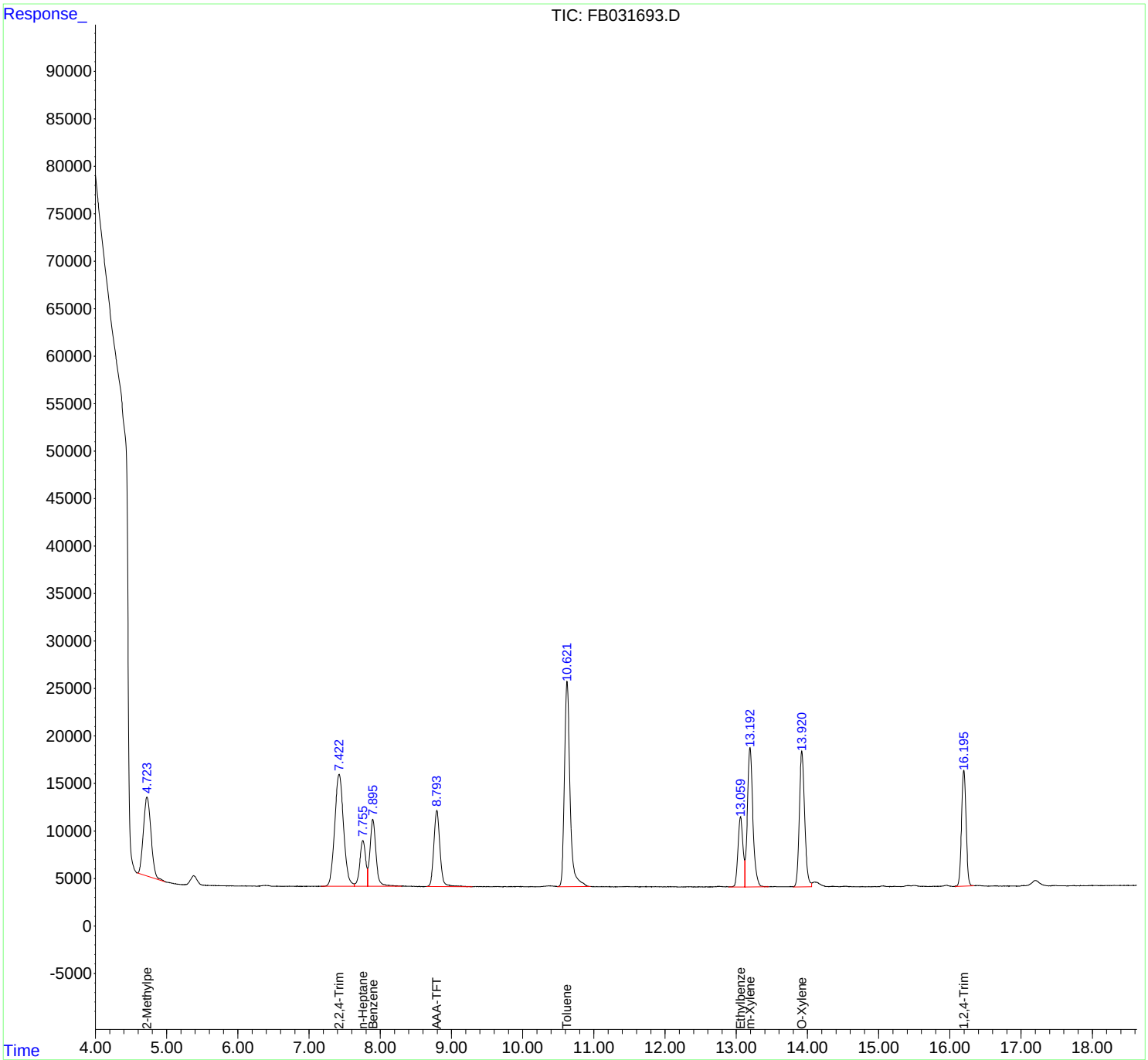
Integration File: Calibration.e
Quant Time: May 07 05:54:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025



Instrument :
FID_B
LabSampleId :
20 PPB GRO STD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB05062
Data File : FB031693.D
Signal(s) : FID2B.CH
Acq On : 6 May 2025 19:05
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File: Calibration.e

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

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.725	4.582	5.116	BV	8287	606788	51.47%	9.469%
2	7.424	7.167	7.635	BV	11788	1019945	86.51%	15.916%
3	7.756	7.635	7.823	VV	4810	274475	23.28%	4.283%
4	7.897	7.823	8.297	VB	7044	413414	35.06%	6.451%
5	8.794	8.648	9.294	BB	8012	484000	41.05%	7.553%
6	10.623	10.488	10.953	VV	21640	1179030	100.00%	18.398%
7	13.060	12.893	13.120	PV	7399	358456	30.40%	5.594%
8	13.194	13.120	13.458	VV	14664	789342	66.95%	12.317%
9	13.921	13.796	14.056	PV	14285	742611	62.98%	11.588%
10	16.196	16.069	16.339	BV	12201	540353	45.83%	8.432%

Sum of corrected areas: 6408415

FB042325.M Wed May 07 06:55:17 2025

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

Analytical Sequence

Client: CDM Smith **SDG No.:** Q1956

Project: Bergen Point Fueling System **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	6 May 2025 9:47	FB031678.D	8.793	
VBF0506S1	VBF0506S1	6 May 2025 10:29	FB031679.D	8.793	
BSF0506S1	BSF0506S1	6 May 2025 11:25	FB031681.D	8.795	
SB1-3-4	Q1956-01	6 May 2025 12:06	FB031682.D	8.619	*
SB2-4-5	Q1956-02	6 May 2025 12:48	FB031683.D	8.795	
SB2-4-5MS	Q1956-03MS	6 May 2025 14:30	FB031684.D	8.793	
SB2-4-5MSD	Q1956-04MSD	6 May 2025 14:58	FB031685.D	8.794	
SB91-3-4	Q1956-06	6 May 2025 15:25	FB031686.D	8.660	*
20 PPB GRO STD	20 PPB GRO STD	6 May 2025 16:21	FB031688.D	8.796	
VBF0605W1	VBF0605W1	6 May 2025 17:16	FB031689.D	8.796	
BSF0605W1	BSF0605W1	6 May 2025 17:43	FB031690.D	8.795	
FB-05022025	Q1956-07	6 May 2025 18:10	FB031691.D	8.796	
BSF0605W2	BSF0605W2	6 May 2025 18:38	FB031692.D	8.795	
20 PPB GRO STD	20 PPB GRO STD	6 May 2025 19:05	FB031693.D	8.794	

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

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

QC SAMPLE DATA

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	VBF0506S1	SDG No.:	Q1956
Lab Sample ID:	VBF0506S1	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	100 Decanted:
Sample Wt/Vol:	5 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031679.D	1	05/06/25 10:29	FB050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	45.0	U	8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	16.1		50 - 150	81%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB050625\
Data File : FB031679.D
Signal(s) : FID2B.CH
Acq On : 6 May 2025 10:29
Operator : YP/AJ
Sample : VBF0506S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0506S1

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025

Integration File: Calibration.e
Quant Time: May 07 05:51:32 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	370295	16.147 ng/mlm
	Target Compounds			

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB050625\
Data File : FB031679.D
Signal(s) : FID2B.CH
Acq On : 6 May 2025 10:29
Operator : YP/AJ
Sample : VBF0506S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 2 Sample Multiplier: 1

Integration File: Calibration.e
Quant Time: May 07 05:51:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
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QLast Update : Wed Apr 23 13:48:24 2025
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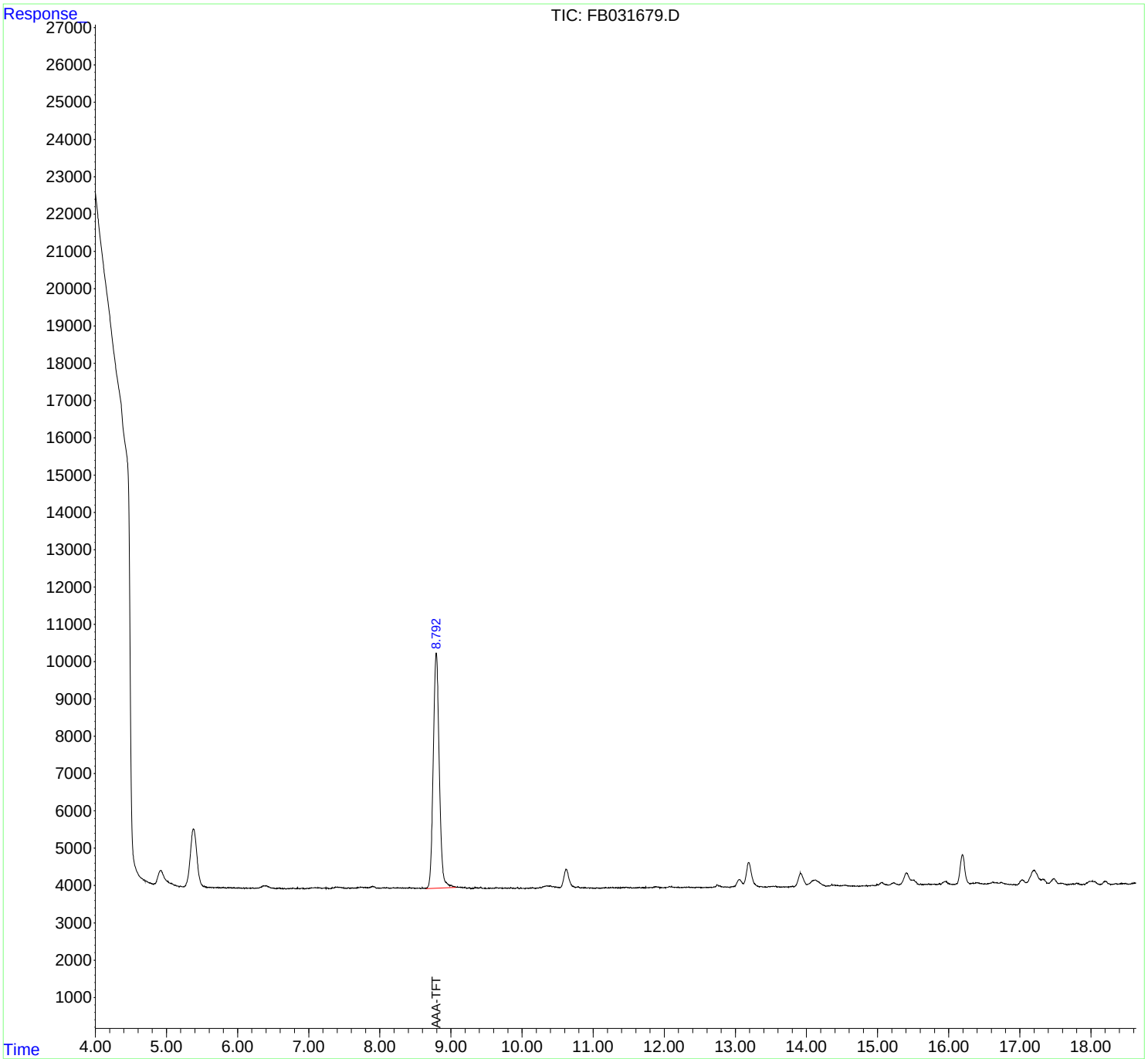
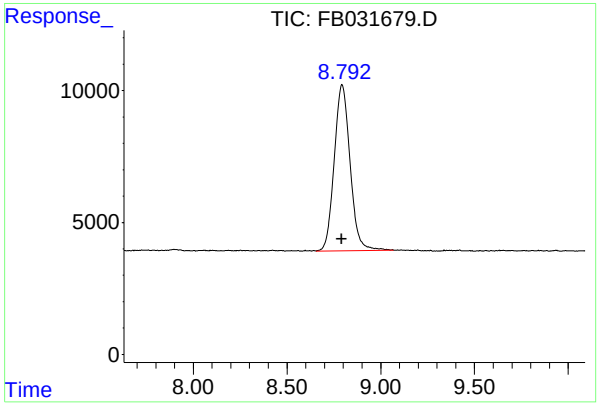
Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um

Instrument :
FID_B
ClientSampleId :
VBF0506S1

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025





#5 AAA-TFT

R.T.: 8.792 min
Delta R.T.: 0.000 mi
Response: 370295
Conc: 16.15 ng/m

Instrument :
FID_B
ClientSampleId :
VBF0506S1

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025

Instrument :
FID_B
ClientSampleId :
VBF0506S1

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB05062
Data File : FB031679.D
Signal(s) : FID2B.CH
Acq On : 6 May 2025 10:29
Sample : VBF0506S1
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	8.657	8.930	BV	6276	359879	100.00%	100.000%
			Sum of corrected areas:			359879		

FB042325.M Wed May 07 06:46:01 2025

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	VBF0605W1	SDG No.:	Q1956
Lab Sample ID:	VBF0605W1	Matrix:	Water
Analytical Method:	8015D GRO	% Solid:	0 Decanted:
Sample Wt/Vol:	5 Units: mL	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031689.D	1	05/06/25 17:16	FB050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
GRO	GRO	45.0	U	6.00	45.0	ug/L
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
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J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB050625\
Data File : FB031689.D
Signal(s) : FID2B.CH
Acq On : 6 May 2025 17:16
Operator : YP/AJ
Sample : VBF0605W1
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0605W1

Integration File: Calibration.e
Quant Time: May 07 05:53:17 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	501096	21.851 ng/ml
Target Compounds				

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

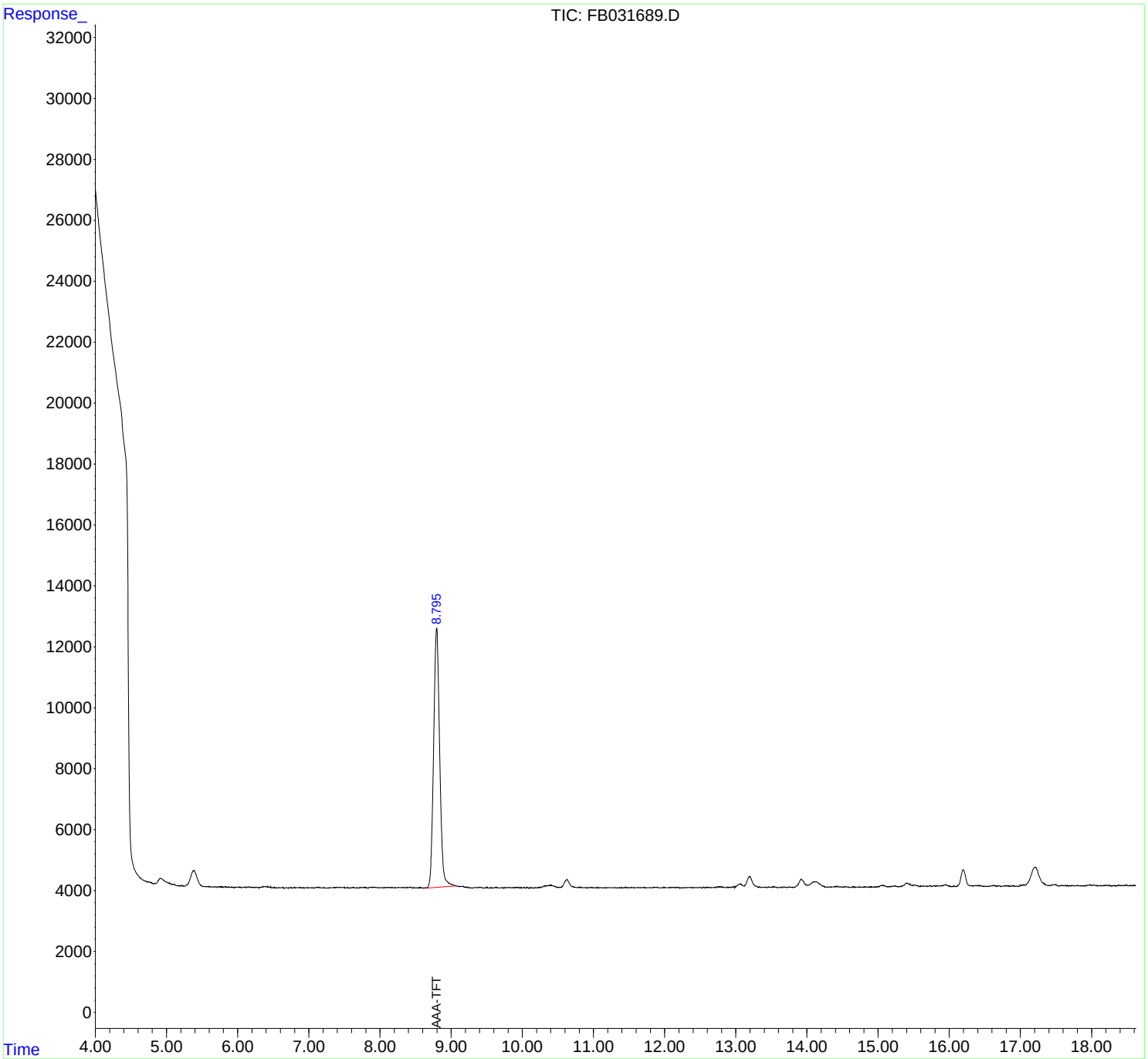
Quantitation Report (QT Reviewed)

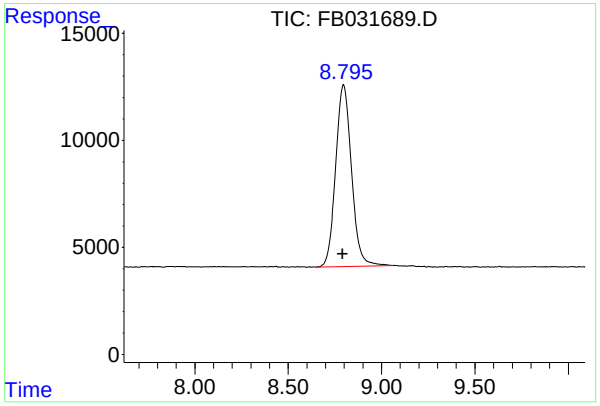
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB050625\
Data File : FB031689.D
Signal(s) : FID2B.CH
Acq On : 6 May 2025 17:16
Operator : YP/AJ
Sample : VBF0605W1
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0605W1

Integration File: Calibration.e
Quant Time: May 07 05:53:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#5 AAA-TFT

R.T.: 8.796 min
Delta R.T.: 0.004 mi
Response: 501096
Conc: 21.85 ng/m

Instrument :
FID_B
ClientSampleId :
VBF0605W1

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB050625\
Data File : FB031689.D
Signal(s) : FID2B.CH
Acq On : 6 May 2025 17:16
Sample : VBF0605W1
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	8.796	8.648	9.060	PV	8508	501096	100.00%	100.000%

Sum of corrected areas: 501096

FB042325.M Wed May 07 06:49:35 2025

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	BSF0506S1	SDG No.:	Q1956
Lab Sample ID:	BSF0506S1	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	100 Decanted:
Sample Wt/Vol:	5 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031681.D	1	05/06/25 11:25	FB050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	180		8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	17.6		50 - 150	88%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB050625\
Data File : FB031681.D
Signal(s) : FID2B.CH
Acq On : 6 May 2025 11:25
Operator : YP/AJ
Sample : BSF0506S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0506S1

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025

Integration File: Calibration.e
Quant Time: May 07 05:51:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
5) s	AAA-TFT	8.795	402908	17.569	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.723	589805	26.542	ng/mlm
2) t	2,2,4-Trimethylpentane	7.423	997494	29.202	ng/ml
3) t	n-Heptane	7.757	285262	9.274	ng/ml
4) t	Benzene	7.896	419029	10.247	ng/ml
6) t	Toluene	10.623	1220540	30.635	ng/ml
7) t	Ethylbenzene	13.059	370154	10.359	ng/ml
8) t	m-Xylene	13.192	820821	21.008	ng/ml
9) t	O-Xylene	13.920	766778	20.812	ng/ml
10) t	1,2,4-Trimethylbenzene	16.195	576594	21.376	ng/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB050625\
Data File : FB031681.D
Signal(s) : FID2B.CH
Acq On : 6 May 2025 11:25
Operator : YP/AJ
Sample : BSF0506S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

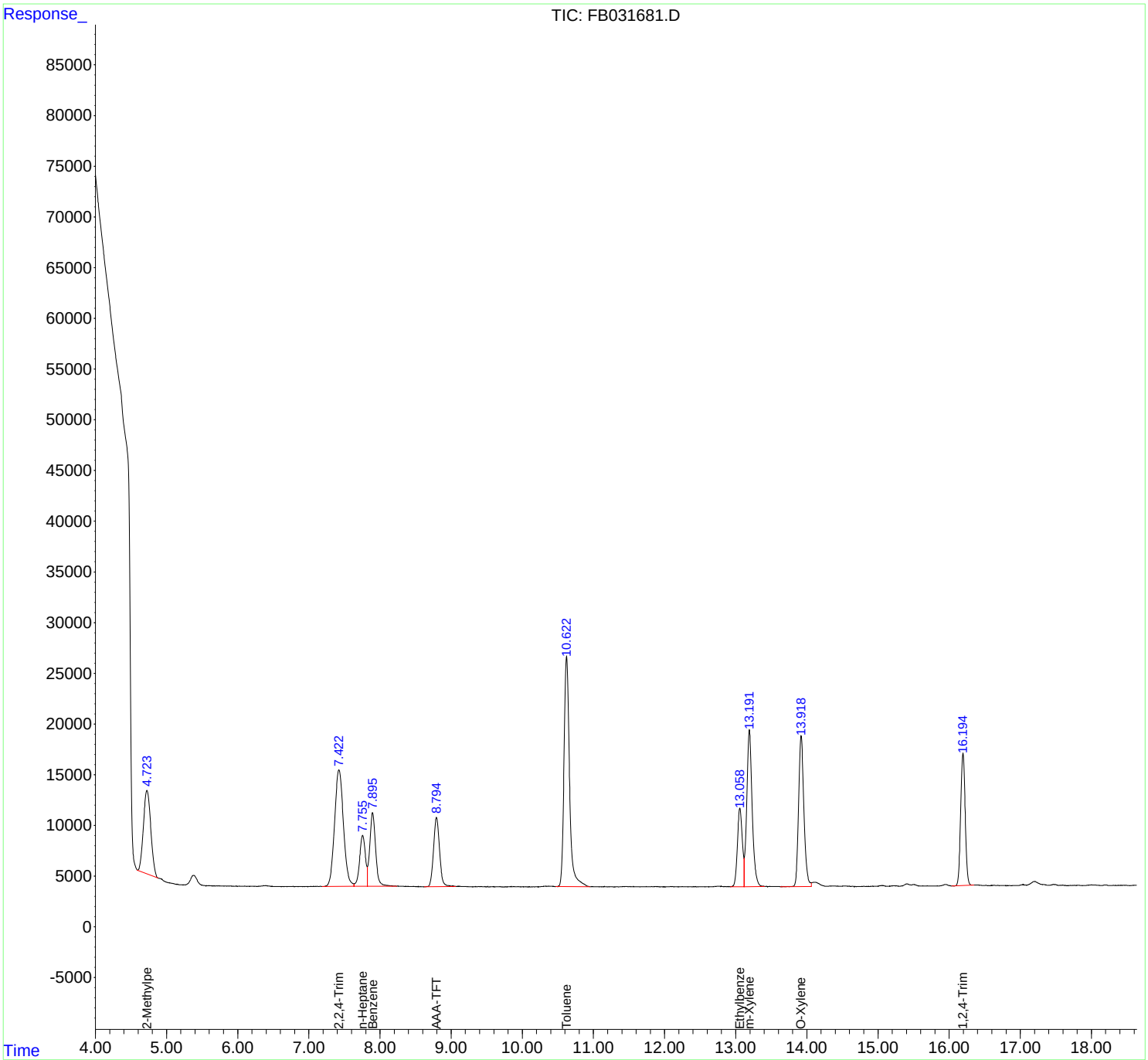
Integration File: Calibration.e
Quant Time: May 07 05:51:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_B
ClientSampleId :
BSF0506S1

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025



Instrument :
FID_B
ClientSampleId :
BSF0506S1

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB0506
Data File : FB031681.D
Signal(s) : FID2B.CH
Acq On : 6 May 2025 11:25
Sample : BSF0506S1
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	4.725	4.587	5.138	BV	8189	575141	47.12%	8.938%
2	7.423	7.184	7.634	BV	11493	997494	81.73%	15.502%
3	7.757	7.634	7.823	VV	5029	285262	23.37%	4.433%
4	7.896	7.823	8.239	VV	7266	419029	34.33%	6.512%
5	8.795	8.618	9.066	BV	6842	402908	33.01%	6.261%
6	10.623	10.468	10.953	BV	22704	1220540	100.00%	18.968%
7	13.059	12.920	13.119	PV	7752	370154	30.33%	5.752%
8	13.192	13.119	13.408	VV	15452	820821	67.25%	12.756%
9	13.920	13.625	14.065	BV	14866	766778	62.82%	11.916%
10	16.195	16.035	16.350	PV	13027	576594	47.24%	8.961%

Sum of corrected areas: 6434721

FB042325.M Wed May 07 06:47:07 2025

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	BSF0605W1	SDG No.:	Q1956
Lab Sample ID:	BSF0605W1	Matrix:	Water
Analytical Method:	8015D GRO	% Solid:	0 Decanted:
Sample Wt/Vol:	5 Units: mL	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031690.D	1	05/06/25 17:43	FB050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
GRO	GRO	165		6.00	45.0	ug/L
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	16.9		50 - 150	84%	SPK: 20

Comments:

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB050625\
Data File : FB031690.D
Signal(s) : FID2B.CH
Acq On : 6 May 2025 17:43
Operator : YP/AJ
Sample : BSF0605W1
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0605W1

Integration File: Calibration.e
Quant Time: May 07 05:53:30 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	386584	16.857	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.724	560613	25.229	ng/ml
2) t	2,2,4-Trimethylpentane	7.423	941709	27.569	ng/ml
3) t	n-Heptane	7.757	263527	8.568	ng/ml
4) t	Benzene	7.896	377136	9.223	ng/ml
6) t	Toluene	10.624	1106930	27.783	ng/ml
7) t	Ethylbenzene	13.059	334965	9.374	ng/ml
8) t	m-Xylene	13.193	738861	18.910	ng/ml
9) t	O-Xylene	13.921	689472	18.714	ng/ml
10) t	1,2,4-Trimethylbenzene	16.196	505688	18.747	ng/ml

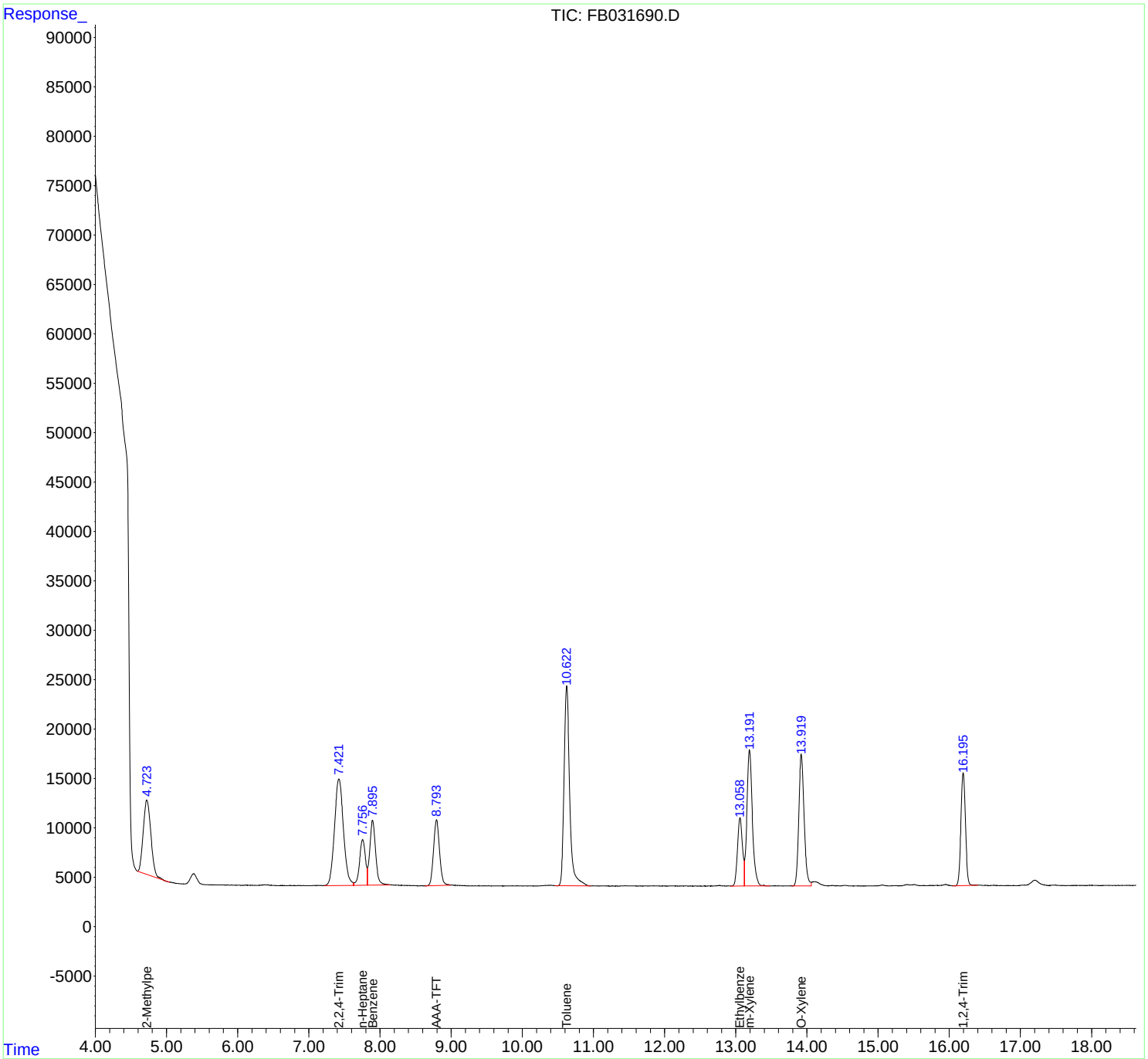
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB050625\
Data File : FB031690.D
Signal(s) : FID2B.CH
Acq On : 6 May 2025 17:43
Operator : YP/AJ
Sample : BSF0605W1
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0605W1

Integration File: Calibration.e
Quant Time: May 07 05:53:30 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\FB050625\
Data File : FB031690.D
Signal(s) : FID2B.CH
Acq On : 6 May 2025 17:43
Sample : BSF0605W1
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: Calibration.e

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

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.724	4.587	5.041	BV	7523	560613	50.65%	9.493%
2	7.423	7.210	7.630	PV	10789	941709	85.07%	15.946%
3	7.757	7.630	7.823	VV	4621	263527	23.81%	4.462%
4	7.896	7.823	8.147	VV	6565	377136	34.07%	6.386%
5	8.795	8.628	8.988	PV	6645	386584	34.92%	6.546%
6	10.624	10.457	10.964	BV	20238	1106930	100.00%	18.744%
7	13.059	12.925	13.120	VV	6917	334965	30.26%	5.672%
8	13.193	13.120	13.480	VV	13777	738861	66.75%	12.511%
9	13.921	13.781	14.061	BV	13328	689472	62.29%	11.675%
10	16.196	16.044	16.403	PBA	11405	505688	45.68%	8.563%

Sum of corrected areas: 5905485

FB042325.M Wed May 07 06:50:01 2025

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	BSF0605W2	SDG No.:	Q1956
Lab Sample ID:	BSF0605W2	Matrix:	Water
Analytical Method:	8015D GRO	% Solid:	0 Decanted:
Sample Wt/Vol:	5 Units: mL	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031692.D	1	05/06/25 18:38	FB050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
GRO	GRO	166		6.00	45.0	ug/L
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	20.1		50 - 150	101%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB050625\
Data File : FB031692.D
Signal(s) : FID2B.CH
Acq On : 6 May 2025 18:38
Operator : YP/AJ
Sample : BSF0605W2
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0605W2

Integration File: Calibration.e
Quant Time: May 07 05:53:50 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	460926	20.099	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.726	569731	25.639	ng/ml
2) t	2,2,4-Trimethylpentane	7.423	950857	27.836	ng/ml
3) t	n-Heptane	7.757	256498	8.339	ng/ml
4) t	Benzene	7.897	378980	9.268	ng/ml
6) t	Toluene	10.623	1112575	27.925	ng/ml
7) t	Ethylbenzene	13.060	336632	9.421	ng/ml
8) t	m-Xylene	13.193	739771	18.934	ng/ml
9) t	O-Xylene	13.921	699358	18.982	ng/ml
10) t	1,2,4-Trimethylbenzene	16.196	508967	18.868	ng/ml

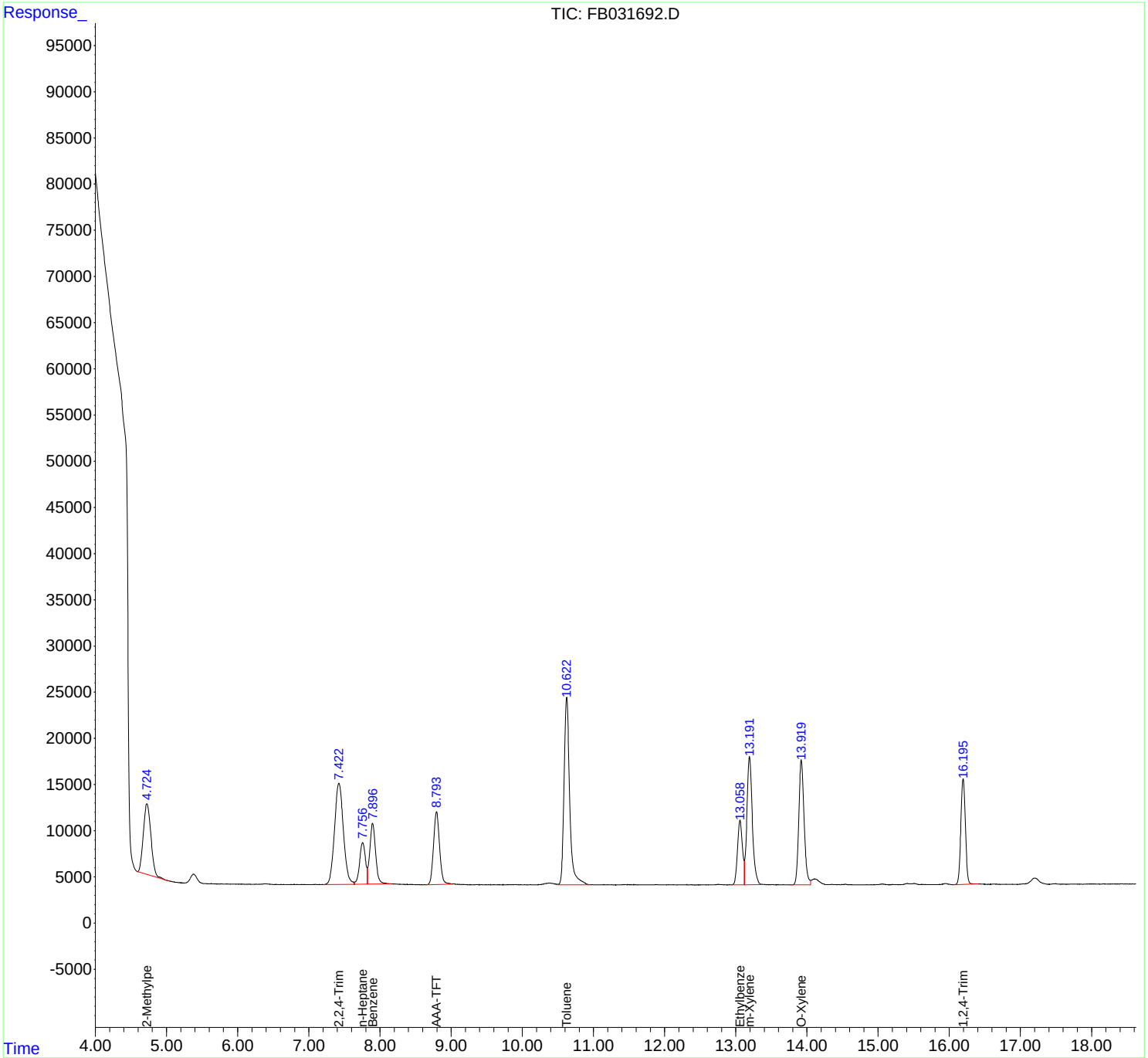
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB050625\
Data File : FB031692.D
Signal(s) : FID2B.CH
Acq On : 6 May 2025 18:38
Operator : YP/AJ
Sample : BSF0605W2
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0605W2

Integration File: Calibration.e
Quant Time: May 07 05:53:50 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\FB050625\
Data File : FB031692.D
Signal(s) : FID2B.CH
Acq On : 6 May 2025 18:38
Sample : BSF0605W2
Misc :
ALS Vial : 16 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	4.726	4.587	5.030	BV	7656	569731	51.21%	9.473%
2	7.423	7.209	7.640	BV	10946	950857	85.46%	15.810%
3	7.757	7.640	7.823	VV	4516	256498	23.05%	4.265%
4	7.897	7.823	8.164	VV	6585	378980	34.06%	6.301%
5	8.795	8.648	9.021	BV	7883	460926	41.43%	7.664%
6	10.623	10.505	10.971	VV	20299	1112575	100.00%	18.499%
7	13.060	12.934	13.120	VV	7007	336632	30.26%	5.597%
8	13.193	13.120	13.399	VV	13866	739771	66.49%	12.300%
9	13.921	13.753	14.050	BV	13510	699358	62.86%	11.628%
10	16.196	16.049	16.403	PBA	11442	508967	45.75%	8.463%

Sum of corrected areas: 6014294

FB042325.M Wed May 07 06:54:27 2025

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB2-4-5MS	SDG No.:	Q1956
Lab Sample ID:	Q1956-03MS	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	93.5 Decanted:
Sample Wt/Vol:	6.02 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031684.D	1	05/06/25 14:30	FB050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	110		7.00	40.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	15.1		50 - 150	76%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB050625\
Data File : FB031684.D
Signal(s) : FID2B.CH
Acq On : 6 May 2025 14:30
Operator : YP/AJ
Sample : Q1956-03MS
Misc : 6.02G/5.00 ML DI WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
SB2-4-5MS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025

Integration File: Calibration.e
Quant Time: May 07 05:52:23 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	346482	15.109	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.683	1358178	61.121	ng/mlm
2) t	2,2,4-Trimethylpentane	7.419	725398	21.236	ng/ml
3) t	n-Heptane	7.752	205882	6.694	ng/ml
4) t	Benzene	7.895	323225	7.904	ng/ml
6) t	Toluene	10.625	933372	23.427	ng/ml
7) t	Ethylbenzene	13.064	276086	7.726	ng/ml
8) t	m-Xylene	13.198	603771	15.453	ng/ml
9) t	O-Xylene	13.927	550899	14.953	ng/ml
10) t	1,2,4-Trimethylbenzene	16.201	351148	13.018	ng/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB050625\
Data File : FB031684.D
Signal(s) : FID2B.CH
Acq On : 6 May 2025 14:30
Operator : YP/AJ
Sample : Q1956-03MS
Misc : 6.02G/5.00 ML DI WATER
ALS Vial : 7 Sample Multiplier: 1

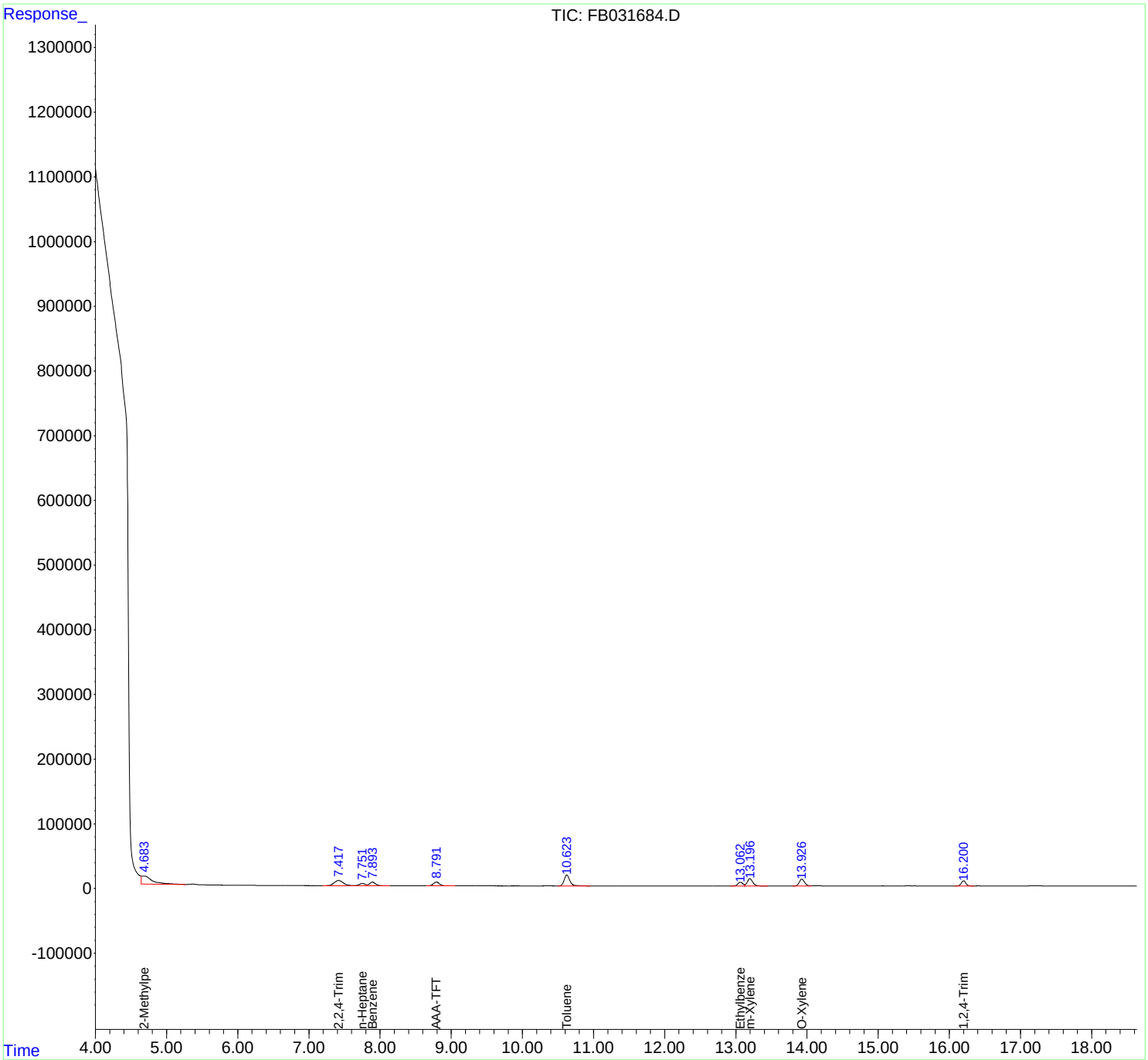
Integration File: Calibration.e
Quant Time: May 07 05:52:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_B
ClientSampleId :
SB2-4-5MS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025



Instrument :
FID_B
ClientSampleId :
SB2-4-5MS

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB05062
Data File : FB031684.D
Signal(s) : FID2B.CH
Acq On : 6 May 2025 14:30
Sample : Q1956-03MS
Misc : 6.02G/5.00 ML DI WATER
ALS Vial : 7 Sample Multiplier: 1

Integration File: SAMPLE.e

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

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	5.965	5.962	6.060	PV	6	66	0.01%	0.001%
2	6.067	6.060	6.107	PV	14	260	0.03%	0.006%
3	6.116	6.107	6.148	VV	22	532	0.06%	0.012%
4	6.178	6.148	6.340	VV	61	4933	0.52%	0.110%
5	6.360	6.340	6.377	VV	64	1136	0.12%	0.025%
6	6.386	6.377	6.595	VV	57	2022	0.22%	0.045%
7	6.602	6.595	6.686	PV	14	261	0.03%	0.006%
8	6.695	6.686	6.727	PV	9	118	0.01%	0.003%
9	6.744	6.727	6.774	PV	18	287	0.03%	0.006%
10	6.798	6.774	6.909	PV	19	637	0.07%	0.014%
11	6.925	6.909	6.941	PV	18	209	0.02%	0.005%
12	6.950	6.941	6.973	VV	21	178	0.02%	0.004%
13	6.982	6.973	7.001	PV	17	198	0.02%	0.004%
14	7.007	7.001	7.025	VV	17	91	0.01%	0.002%
15	7.047	7.025	7.056	VV	33	332	0.04%	0.007%
16	7.065	7.056	7.079	VV	27	291	0.03%	0.006%
17	7.088	7.079	7.102	VV	22	236	0.03%	0.005%
18	7.131	7.102	7.152	VV	29	644	0.07%	0.014%
19	7.163	7.152	7.195	VV	28	424	0.05%	0.009%
20	7.418	7.195	7.635	PV	8128	727040	77.32%	16.143%
21	7.752	7.635	7.819	VV	3578	207754	22.10%	4.613%
22	7.895	7.819	8.197	VV	5557	329641	35.06%	7.319%
23	8.227	8.197	8.311	VV	32	921	0.10%	0.020%
24	8.322	8.311	8.439	PV	9	405	0.04%	0.009%
25	8.454	8.439	8.473	VV	23	357	0.04%	0.008%
26	8.508	8.473	8.537	VV	39	886	0.09%	0.020%
27	8.554	8.537	8.615	VV	35	738	0.08%	0.016%
28	8.793	8.615	9.107	PV	5880	352045	37.44%	7.816%
29	9.117	9.107	9.163	VV	45	695	0.07%	0.015%
30	9.177	9.163	9.230	VV	30	416	0.04%	0.009%
31	9.253	9.230	9.301	PV	23	171	0.02%	0.004%
32	9.344	9.301	9.359	PV	43	706	0.08%	0.016%
33	9.400	9.359	9.497	VV	53	2685	0.29%	0.060%
34	9.515	9.497	9.581	PV	23	455	0.05%	0.010%
35	9.603	9.581	9.689	VV	19	565	0.06%	0.013%
36	9.695	9.689	9.742	PV	22	171	0.02%	0.004%

Instrument :
FID_B
ClientSampleId :
SB2-4-5MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025

rteres

37	9.762	9.742	9.821	VV	11	296	0.03%	0.007%
38	9.901	9.821	9.916	PV	28	1009		
39	9.950	9.916	10.109	VV	39	1861		
40	10.122	10.109	10.146	PV	17	195		
41	10.153	10.146	10.214	VV	14	482		
42	10.380	10.214	10.496	VV	77	7784		
43	10.625	10.496	10.976	VV	17151	940248	100.00%	20.876%
44	10.989	10.976	11.084	VV	45	1421	0.15%	0.032%
45	11.101	11.084	11.155	VV	44	632	0.07%	0.014%
46	11.179	11.155	11.220	PV	33	471	0.05%	0.010%
47	11.269	11.220	11.312	VV	15	586	0.06%	0.013%
48	11.341	11.312	11.365	VV	21	314	0.03%	0.007%
49	11.502	11.365	11.654	VV	64	5521	0.59%	0.123%
50	11.675	11.654	11.724	VV	35	752	0.08%	0.017%
51	11.736	11.724	11.751	VV	26	321	0.03%	0.007%
52	11.782	11.751	11.818	VV	31	822	0.09%	0.018%
53	11.847	11.818	11.868	VV	41	940	0.10%	0.021%
54	11.884	11.868	11.996	VV	46	1757	0.19%	0.039%
55	12.062	11.996	12.085	VV	35	914	0.10%	0.020%
56	12.100	12.085	12.153	VV	25	573	0.06%	0.013%
57	12.178	12.153	12.208	VV	21	449	0.05%	0.010%
58	12.225	12.208	12.248	VV	15	215	0.02%	0.005%
59	12.267	12.248	12.292	VV	15	247	0.03%	0.005%
60	12.304	12.292	12.383	PV	22	778	0.08%	0.017%
61	12.447	12.383	12.495	PV	24	640	0.07%	0.014%
62	12.543	12.495	12.564	VV	30	710	0.08%	0.016%
63	12.578	12.564	12.604	VV	27	451	0.05%	0.010%
64	12.645	12.604	12.661	VV	26	583	0.06%	0.013%
65	12.758	12.661	12.884	VV	66	4312	0.46%	0.096%
66	12.913	12.884	12.926	PV	22	269	0.03%	0.006%
67	13.064	12.926	13.124	VV	5706	276803	29.44%	6.146%
68	13.198	13.124	13.450	VV	11212	607033	64.56%	13.478%
69	13.478	13.450	13.537	VV	36	1641	0.17%	0.036%
70	13.560	13.537	13.594	VV	37	890	0.09%	0.020%
71	13.619	13.594	13.635	VV	25	392	0.04%	0.009%
72	13.655	13.635	13.671	VV	27	404	0.04%	0.009%
73	13.682	13.671	13.731	VV	21	536	0.06%	0.012%
74	13.781	13.731	13.800	VV	28	737	0.08%	0.016%
75	13.927	13.800	14.060	VV	10582	553845	58.90%	12.297%
76	14.103	14.060	14.286	VV	367	28752	3.06%	0.638%
77	14.359	14.286	14.408	VV	83	4520	0.48%	0.100%
78	14.420	14.408	14.467	VV	56	1516	0.16%	0.034%
79	14.538	14.467	14.620	VV	61	3427	0.36%	0.076%
80	14.635	14.620	14.690	VV	20	607	0.06%	0.013%
81	14.711	14.690	14.725	VV	21	315	0.03%	0.007%
82	14.745	14.725	14.797	VV	21	590	0.06%	0.013%
83	14.813	14.797	14.833	PV	15	273	0.03%	0.006%
84	14.843	14.833	14.885	VV	22	459	0.05%	0.010%
85	14.914	14.885	14.928	VV	29	431	0.05%	0.010%
86	14.953	14.928	14.966	VV	25	455	0.05%	0.010%
87	15.060	14.966	15.137	VV	138	7465	0.79%	0.166%
88	15.150	15.137	15.164	VV	30	362	0.04%	0.008%
89	15.230	15.164	15.335	VV	54	3562	0.38%	0.079%

Instrument :
FID_B
ClientSampleId :
SB2-4-5MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025

					rteres			
90	15.418	15.335	15.481	VV	194	11195	1.19%	0.249%
91	15.506	15.481	15.592	VV	148	6625		
92	15.637	15.592	15.718	VV	82	4076		
93	15.728	15.718	15.760	VV	35	607		
94	15.778	15.760	15.834	VV	21	704		
95	15.849	15.834	15.862	VV	14	183		
96	15.948	15.862	16.071	VV	117	6602	0.70%	0.147%
97	16.201	16.071	16.350	PV	8018	357003	37.97%	7.927%
98	16.411	16.350	16.586	VV	121	7809	0.83%	0.173%
			Sum of corrected areas:			4503880		

FB042325.M Wed May 07 07:07:54 2025

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB2-4-5MSD	SDG No.:	Q1956
Lab Sample ID:	Q1956-04MSD	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	93.5 Decanted:
Sample Wt/Vol:	6.3 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031685.D	1	05/06/25 14:58	FB050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	109		7.00	38.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	17.3		50 - 150	87%	SPK: 20

Comments:

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB050625\
Data File : FB031685.D
Signal(s) : FID2B.CH
Acq On : 6 May 2025 14:58
Operator : YP/AJ
Sample : Q1956-04MSD
Misc : 6.3G/5.00 ML DI WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
SB2-4-5MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025

Integration File: Calibration.e
Quant Time: May 07 05:52:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
5) s	AAA-TFT	8.794	397217	17.321	ng/ml
	Target Compounds				
1) t	2-Methylpentane	4.697	1362204	61.302	ng/mlm
2) t	2,2,4-Trimethylpentane	7.420	972469	28.469	ng/ml
3) t	n-Heptane	7.752	267092	8.684	ng/ml
4) t	Benzene	7.895	424080	10.371	ng/ml
6) t	Toluene	10.625	1254938	31.498	ng/ml
7) t	Ethylbenzene	13.063	372747	10.431	ng/ml
8) t	m-Xylene	13.196	808628	20.696	ng/ml
9) t	O-Xylene	13.927	739601	20.074	ng/ml
10) t	1,2,4-Trimethylbenzene	16.200	483404	17.921	ng/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB050625\
Data File : FB031685.D
Signal(s) : FID2B.CH
Acq On : 6 May 2025 14:58
Operator : YP/AJ
Sample : Q1956-04MSD
Misc : 6.3G/5.00 ML DI WATER
ALS Vial : 8 Sample Multiplier: 1

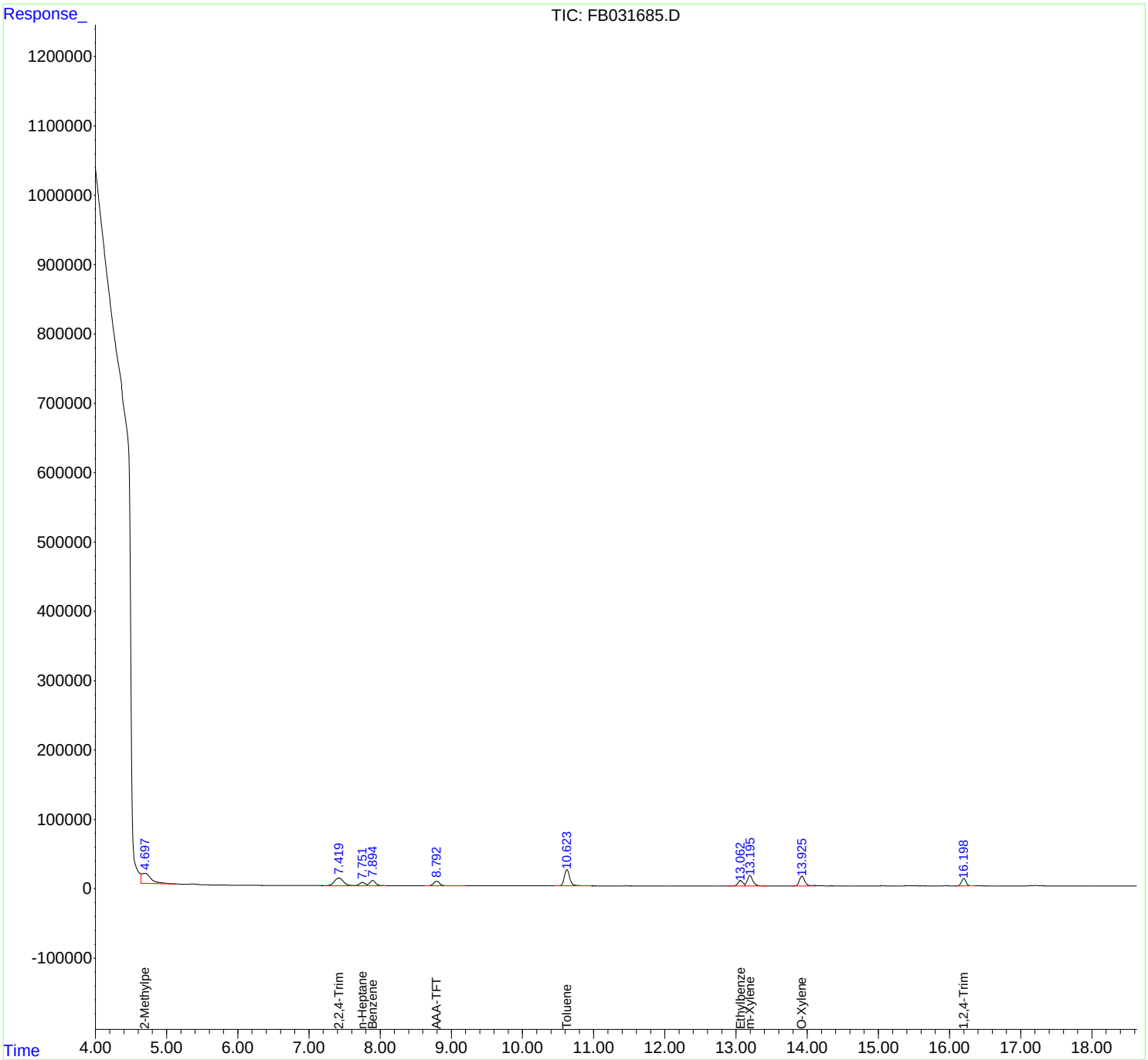
Integration File: Calibration.e
Quant Time: May 07 05:52:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_B
ClientSampleId :
SB2-4-5MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025



Instrument :
FID_B
ClientSampleId :
SB2-4-5MSD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB05062
Data File : FB031685.D
Signal(s) : FID2B.CH
Acq On : 6 May 2025 14:58
Sample : Q1956-04MSD
Misc : 6.3G/5.00 ML DI WATER
ALS Vial : 8 Sample Multiplier: 1

Integration File: SAMPLE.e

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

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	6.082	6.075	6.135	PV	9	50	0.00%	0.001%
2	6.172	6.135	6.181	PV	42	675	0.05%	0.014%
3	6.185	6.181	6.191	VV	42	240	0.02%	0.005%
4	6.200	6.191	6.225	VV	65	1018	0.08%	0.022%
5	6.232	6.225	6.319	VV	52	1653	0.13%	0.035%
6	6.331	6.319	6.338	VV	41	420	0.03%	0.009%
7	6.344	6.338	6.453	VV	51	2910	0.23%	0.062%
8	6.460	6.453	6.538	VV	15	87	0.01%	0.002%
9	6.547	6.538	6.576	VV	13	179	0.01%	0.004%
10	6.596	6.576	6.606	PV	23	233	0.02%	0.005%
11	6.614	6.606	6.636	VV	18	185	0.01%	0.004%
12	6.643	6.636	6.663	VV	21	122	0.01%	0.003%
13	6.676	6.663	6.762	VV	19	229	0.02%	0.005%
14	6.773	6.762	6.828	PV	13	281	0.02%	0.006%
15	6.873	6.864	6.882	VV	11	84	0.01%	0.002%
16	6.902	6.882	6.944	VV	18	489	0.04%	0.010%
17	6.952	6.944	6.976	VV	22	265	0.02%	0.006%
18	6.987	6.976	7.034	PV	21	440	0.03%	0.009%
19	7.049	7.034	7.079	VV	23	410	0.03%	0.009%
20	7.096	7.079	7.120	VV	28	448	0.04%	0.010%
21	7.131	7.120	7.165	VV	24	346	0.03%	0.007%
22	7.173	7.165	7.229	PB	9	16	0.00%	0.000%
23	7.420	7.231	7.638	BV	11133	976669	77.19%	20.799%
24	7.895	7.819	8.231	VV	7476	439073	34.70%	9.350%
25	8.248	8.231	8.331	VV	25	1020	0.08%	0.022%
26	8.356	8.331	8.424	PV	17	802	0.06%	0.017%
27	8.506	8.493	8.543	VV	32	613	0.05%	0.013%
28	8.559	8.543	8.631	VV	26	745	0.06%	0.016%
29	8.794	8.631	9.283	PV	6632	396272	31.32%	8.439%
30	9.506	9.472	9.606	VV	27	1117	0.09%	0.024%
31	9.625	9.606	9.659	VV	26	535	0.04%	0.011%
32	9.666	9.659	9.682	VV	28	194	0.02%	0.004%
33	9.699	9.682	9.736	PV	11	193	0.02%	0.004%
34	9.747	9.736	9.773	PV	16	142	0.01%	0.003%
35	9.796	9.773	9.815	PV	19	330	0.03%	0.007%
36	9.845	9.815	9.899	VV	28	1049	0.08%	0.022%

Instrument :
FID_B
ClientSampleId :
SB2-4-5MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025

rteres

37	10.009	9.998	10.057	VV	20	522	0.04%	0.011%
38	10.067	10.057	10.087	VV	16	149	0	
39	10.100	10.087	10.140	VV	8	143	0	
40	10.215	10.140	10.228	PV	30	713	0	
41	10.625	10.483	10.967	VV	23439	1265223	100	
42	10.977	10.967	11.139	VV	50	2615	0	
43	11.165	11.139	11.200	VV	25	647	0.05%	0.014%
44	11.225	11.200	11.282	VV	27	752	0.06%	0.016%
45	11.294	11.282	11.312	VV	13	136	0.01%	0.003%
46	11.326	11.312	11.345	VV	23	222	0.02%	0.005%
47	11.477	11.345	11.591	PV	83	5574	0.44%	0.119%
48	11.621	11.591	11.665	VV	43	999	0.08%	0.021%
49	11.698	11.665	11.732	VV	25	765	0.06%	0.016%
50	11.764	11.732	11.810	VV	26	912	0.07%	0.019%
51	11.868	11.810	11.969	VV	60	2984	0.24%	0.064%
52	11.982	11.969	12.005	VV	16	222	0.02%	0.005%
53	12.025	12.005	12.050	VV	19	338	0.03%	0.007%
54	12.095	12.050	12.150	PV	29	934	0.07%	0.020%
55	12.161	12.150	12.182	VV	20	185	0.01%	0.004%
56	12.231	12.182	12.269	VV	17	508	0.04%	0.011%
57	12.306	12.269	12.351	VV	35	829	0.07%	0.018%
58	12.387	12.351	12.453	VV	14	480	0.04%	0.010%
59	12.521	12.453	12.539	PV	25	655	0.05%	0.014%
60	12.624	12.539	12.662	VV	39	1689	0.13%	0.036%
61	12.766	12.662	12.896	VV	72	5436	0.43%	0.116%
62	13.197	13.123	13.488	VV	15070	815269	64.44%	17.362%
63	13.533	13.488	13.603	VV	54	2495	0.20%	0.053%
64	13.621	13.603	13.657	VV	35	626	0.05%	0.013%
65	13.670	13.657	13.686	VV	20	295	0.02%	0.006%
66	13.775	13.686	13.791	VV	43	1301	0.10%	0.028%
67	13.926	13.791	14.065	VV	14129	743074	58.73%	15.824%
68	14.469	14.442	14.481	VV	45	875	0.07%	0.019%
69	14.654	14.643	14.674	VV	23	260	0.02%	0.006%
70	14.711	14.674	14.746	PV	29	656	0.05%	0.014%
71	14.757	14.746	14.824	VV	22	454	0.04%	0.010%
72	14.836	14.824	14.851	PV	16	236	0.02%	0.005%
73	14.902	14.851	14.959	VV	43	1690	0.13%	0.036%
74	15.222	15.175	15.324	VV	60	3457	0.27%	0.074%
75	16.344	16.336	16.364	VV	118	1867	0.15%	0.040%

Sum of corrected areas: 4695722

FB042325.M Wed May 07 07:12:36 2025

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

Manual Integration Report

Sample ID	ClientId ID	File ID	Sequence ID	Parameter	Supervised By	Supervised On	Reason
50 GRO STD		FB031641.D	FB042325	2-Methylpentane	mohammad	4/26/2025 2:19:22 AM	Peak Integrated by Software incorrectly
100 GRO STD		FB031642.D	FB042325	2-Methylpentane	mohammad	4/26/2025 2:19:22 AM	Peak Integrated by Software incorrectly
FB042325GROICV		FB031643.D	FB042325	2-Methylpentane	mohammad	4/26/2025 2:19:22 AM	Peak Integrated by Software incorrectly

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

Manual Integration Report

Sample ID	ClientId ID	File ID	Sequence ID	Parameter	Supervised By	Supervised On	Reason
20 PPB GRO STD		FB031678.D	FB050625	2-Methylpentane			Peak Integrated by Software incorrectly
VBF0506S1		FB031679.D	FB050625	AAA-TFT			Peak Integrated by Software incorrectly
VBF0506S2		FB031680.D	FB050625	AAA-TFT			Peak Integrated by Software incorrectly
BSF0506S1		FB031681.D	FB050625	2-Methylpentane			Peak Integrated by Software incorrectly
Q1956-03MS		FB031684.D	FB050625	2-Methylpentane			Peak Integrated by Software incorrectly
Q1956-04MSD		FB031685.D	FB050625	2-Methylpentane			Peak Integrated by Software incorrectly
20 PPB GRO STD		FB031688.D	FB050625	2-Methylpentane			Peak Integrated by Software incorrectly
20 PPB GRO STD		FB031693.D	FB050625	2-Methylpentane			Peak Integrated by Software incorrectly

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

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QCBatch ID # FB042325

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

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

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

M : Manual Integration

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

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QCBatch ID # FB050625

Review By	yogesh	Review On	5/6/2025 2:52:25 PM		
Supervise By		Supervise On			
SubDirectory	FB050625	HP Acquire Method		HP Processing Method	FB042325

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24485,PP24486,PP24487,PP24488,PP24489
CCC	PP24507,PP24508,PP24509
Internal Standard/PEM	
ICV/I.BLK	PP24111,PP24490
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	20 PPB GRO STD	FB031678.D	6 May 2025 9:47	YP/AJ	Ok,NS
2	VBF0506S1	FB031679.D	6 May 2025 10:29	YP/AJ	Ok,NS
3	VBF0506S2	FB031680.D	6 May 2025 10:57	YP/AJ	Ok,NS
4	BSF0506S1	FB031681.D	6 May 2025 11:25	YP/AJ	Ok,NS
5	Q1956-01	FB031682.D	6 May 2025 12:06	YP/AJ	Ok
6	Q1956-02	FB031683.D	6 May 2025 12:48	YP/AJ	Ok
7	Q1956-03MS	FB031684.D	6 May 2025 14:30	YP/AJ	Ok,NS
8	Q1956-04MSD	FB031685.D	6 May 2025 14:58	YP/AJ	Ok,NS
9	Q1956-06	FB031686.D	6 May 2025 15:25	YP/AJ	Ok
10	BSF0506S2	FB031687.D	6 May 2025 15:53	YP/AJ	Ok
11	20 PPB GRO STD	FB031688.D	6 May 2025 16:21	YP/AJ	Ok,NS
12	VBF0605W1	FB031689.D	6 May 2025 17:16	YP/AJ	Ok
13	BSF0605W1	FB031690.D	6 May 2025 17:43	YP/AJ	Ok
14	Q1956-07	FB031691.D	6 May 2025 18:10	YP/AJ	Ok
15	BSF0605W2	FB031692.D	6 May 2025 18:38	YP/AJ	Ok
16	20 PPB GRO STD	FB031693.D	6 May 2025 19:05	YP/AJ	Ok,NS

M : Manual Integration

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

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QCBatch ID # FB042325

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

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

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

M : Manual Integration

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

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QCBatch ID # FB050625

Review By	yogesh	Review On	5/6/2025 2:52:25 PM		
Supervise By		Supervise On			
SubDirectory	FB050625	HP Acquire Method		HP Processing Method	FB042325

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24110,PP24485,PP24486,PP24487,PP24488,PP24489
CCC	PP24507,PP24508,PP24509
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		FB031678.D	6 May 2025 9:47		YP/AJ	Ok,NS
2	VBF0506S1		FB031679.D	6 May 2025 10:29		YP/AJ	Ok,NS
3	VBF0506S2		FB031680.D	6 May 2025 10:57		YP/AJ	Ok,NS
4	BSF0506S1		FB031681.D	6 May 2025 11:25		YP/AJ	Ok,NS
5	Q1956-01		FB031682.D	6 May 2025 12:06	Vial-A	YP/AJ	Ok
6	Q1956-02		FB031683.D	6 May 2025 12:48	Vial-A	YP/AJ	Ok
7	Q1956-03MS		FB031684.D	6 May 2025 14:30		YP/AJ	Ok,NS
8	Q1956-04MSD		FB031685.D	6 May 2025 14:58		YP/AJ	Ok,NS
9	Q1956-06		FB031686.D	6 May 2025 15:25	Vial-A	YP/AJ	Ok
10	BSF0506S2		FB031687.D	6 May 2025 15:53		YP/AJ	Ok
11	20 PPB GRO STD		FB031688.D	6 May 2025 16:21		YP/AJ	Ok,NS
12	VBF0605W1		FB031689.D	6 May 2025 17:16		YP/AJ	Ok
13	BSF0605W1		FB031690.D	6 May 2025 17:43		YP/AJ	Ok
14	Q1956-07		FB031691.D	6 May 2025 18:10	Vial-A	YP/AJ	Ok
15	BSF0605W2		FB031692.D	6 May 2025 18:38		YP/AJ	Ok
16	20 PPB GRO STD		FB031693.D	6 May 2025 19:05		YP/AJ	Ok,NS

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 5/6/2025

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

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:30
Out Date: 05/06/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135668

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
Q1956-01	SB1-3-4	1	1.17	9.98	11.15	10.05	89.0	
Q1956-02	SB2-4-5	2	1.18	10.62	11.8	11.11	93.5	
Q1956-03	Q1956-02MS	3	1.18	10.62	11.8	11.11	93.5	
Q1956-04	Q1956-02MSD	4	1.18	10.62	11.8	11.11	93.5	
Q1956-06	SB91-3-4	5	1.14	10.65	11.79	10.75	90.2	
Q1957-01	AT090P-SD05-050125-00	6	1.15	10.74	11.89	3.3	20.0	
Q1957-02	AT090P-SD03-050125-00	7	1.18	10.90	12.08	3.97	25.6	
Q1957-03	AT090P-SD04-050125-00	8	1.19	10.36	11.55	2.09	8.7	
Q1958-01	SS050P-SD28-043025-00	9	1.16	10.21	11.37	9.51	81.8	
Q1958-02	SS050P-SD29-043025-00	10	1.17	9.97	11.14	3.2	20.4	
Q1958-03	SS050P-SD30-050225-00	11	1.19	10.62	11.81	9.59	79.1	
Q1958-04	SS050P-SD31-050225-00	12	1.19	10.13	11.32	9.18	78.9	
Q1959-01	SOIL-PILE	13	1.18	10.18	11.36	10.11	87.7	
Q1960-01	344	14	1.00	1.00	2.00	2.00	100.0	stone sample,100% solids
Q1960-02	72-11933	15	1.15	10.38	11.53	10.24	87.6	
Q1961-01	EO-01-050225	16	1.18	10.08	11.26	10.53	92.8	
Q1961-02	EO-01-050225-E2	17	1.14	10.18	11.32	10.88	95.7	
Q1962-01	HD-01-050525	18	1.18	10.10	11.28	9.87	86.0	
Q1962-02	HD-01-050525-E2	19	1.19	10.43	11.62	9.91	83.6	

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

WORKLIST(Hardcopy Internal Chain)

LB1356668

WorkList Name : %1-050525-1 **WorkList ID :** 189298 **Department :** Wet-Chemistry **Date :** 05-05-2025 08:48:32

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1956-01	SB1-3-4	Solid	Percent Solids	Cool 4 deg C	CAMP02	L31	05/01/2025	Chemtech -SO
Q1956-02	SB2-4-5	Solid	Percent Solids	Cool 4 deg C	CAMP02	L31	05/02/2025	Chemtech -SO
Q1956-03	Q1956-02MS	Solid	Percent Solids	Cool 4 deg C	CAMP02	L31	05/02/2025	Chemtech -SO
Q1956-04	Q1956-02MSD	Solid	Percent Solids	Cool 4 deg C	CAMP02	L31	05/02/2025	Chemtech -SO
Q1956-06	SB91-3-4	Solid	Percent Solids	Cool 4 deg C	CAMP02	L31	05/02/2025	Chemtech -SO
Q1957-01	AT090P-SD05-050125-00	Solid	Percent Solids	Cool 4 deg C	CAMP02	L31	05/01/2025	Chemtech -SO
Q1957-02	AT090P-SD03-050125-00	Solid	Percent Solids	Cool 4 deg C	WEST04	L51	05/01/2025	Chemtech -SO
Q1957-03	AT090P-SD04-050125-00	Solid	Percent Solids	Cool 4 deg C	WEST04	L51	05/01/2025	Chemtech -SO
Q1958-01	SS050P-SD28-043025-00	Solid	Percent Solids	Cool 4 deg C	WEST04	L51	05/01/2025	Chemtech -SO
Q1958-02	SS050P-SD29-043025-00	Solid	Percent Solids	Cool 4 deg C	WEST04	L51	04/30/2025	Chemtech -SO
Q1958-03	SS050P-SD30-050225-00	Solid	Percent Solids	Cool 4 deg C	WEST04	L51	04/30/2025	Chemtech -SO
Q1958-04	SS050P-SD31-050225-00	Solid	Percent Solids	Cool 4 deg C	WEST04	L51	05/02/2025	Chemtech -SO
Q1959-01	SOIL-PILE	Solid	Percent Solids	Cool 4 deg C	WEST04	L51	05/02/2025	Chemtech -SO
Q1960-01	344	Solid	Percent Solids	Cool 4 deg C	PSEG04	L41	05/05/2025	Chemtech -SO
Q1960-02	72-11933	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	05/05/2025	Chemtech -SO
Q1961-01	EO-01-050225	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	05/05/2025	Chemtech -SO
Q1961-02	EO-01-050225-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	L51	05/05/2025	Chemtech -SO
Q1962-01	HD-01-050525	Solid	Percent Solids	Cool 4 deg C	PSEG05	L51	05/05/2025	Chemtech -SO
Q1962-02	HD-01-050525-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	L51	05/05/2025	Chemtech -SO

Date/Time 05/05/25 15:20
Raw Sample Received by: JR WQ
Raw Sample Relinquished by: SM

Date/Time 05/05/25 17:15
Raw Sample Received by: SM
Raw Sample Relinquished by: JR WQ

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

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

ALLIANCE PROJECT NO.
QUOTE NO. Q1956
COC Number 2046701

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: CDM Smith
ADDRESS: 110 Fieldcrest Avenue #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: Bergen Point Project
PROJECT NO.: 99939 LOCATION: W. Babylon, NY
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 Avenue, #8 Floor 6th
CITY Edison STATE: NJ ZIP: 08837
ATTENTION: Marcie Encinas PHONE: 732-590-4690

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

ANALYSIS

	1	2	3	4	5	6	7	8	9
	TCL VOC	TCL SVOC	TAL METALS	PCBs	PESTICIDES	HERBICIDES	PRO/GRO	FULL TCLP	RCRA CHARAC

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	SB1 - 3-4'	Soil		X	5/1/25	9:00am	13	X	X	X	X	X	X	X			E
2.	SB2-4-5'	Soil		X	5/2/25	12:00pm	13	X	X	X	X	X	X	X			E
3.	COMP1	Soil	X		5/2/25	1:30pm	3								X	X	E
4.	SB91 - 3-4'	Soil		X	5/1/25	9:20AM	13	X	X	X	X	X	X	X	X		E
5.	SB2 - MS	Soil		X	5/2/25	12:30pm	13	X	X	X	X	X	X	X			E
6.	SB2 - MSD	Soil		X	5/2/25	12:40pm	13	X	X	X	X	X	X	X			E
7.	FB-05022025	Aqueous		X	5/2/25	11:00AM	9	X	X	X	X	X	X	X			E, A, B
8.																	
9.																	
10.																	

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

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	5.2.2025 1404	1.
2.		2.
3.	5.2.2025 1826	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☒ COOLER TEMP 2.3 °C
Comments: IR Gun #1 (Adjusted Factor + 1)

Page _____ of

CLIENT: ☐ Hand Delivered ☐ Other _____

Shipment Complete ☐ YES ☐ NO

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

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

Laboratory Certification

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

QA Control Code: A2070148

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1956 CAMP02
Client Name : CDM Smith
Client Contact : Marcie Ann Encinas
Invoice Name : CDM Smith
Invoice Contact : Marcie Ann Encinas

Order Date : 5/2/2025 3:14:35 PM
Project Name : Bergen Point Fueling Syste
Receive DateTime : 5/2/2025 ~~12:00:00~~ AM 18:26
Purchase Order :

Project Mgr :
Report Type : NYS ASP A
EDD Type : EQUIS
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1956-01	SB1-3-4	Solid	05/01/2025	09:00					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q1956-02	SB2-4-5	Solid	05/02/2025	12:00					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q1956-03	Q1956-02MS	Solid	05/02/2025	12:30					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q1956-04	Q1956-02MSD	Solid	05/02/2025	12:40					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q1956-06	~~SB19~~-3-4 SB91	Solid	05/01/2025	09:30					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q1956-07	FB-05022025	Water	05/02/2025	11:00					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1956 CAMP02
Client Name : CDM Smith
Client Contact : Marcie Ann Encinas
Invoice Name : CDM Smith
Invoice Contact : Marcie Ann Encinas

Order Date : 5/2/2025 3:14:35 PM
Project Name : Bergen Point Fueling Syste
Receive DateTime : 5/2/2025 ~~12:00:00~~ 15:26 AM
Purchase Order :

Project Mgr :
Report Type : NYS ASP A
EDD Type : EQUIS
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1956-09 TB		water	5/2/25	12:00	VOC-TCLVOA-10		8260-LOW		10 Bus Days.

Relinguished By : [signature]
Date / Time : 5/5/25 0835

Received By : [signature]
Date / Time : 5/5/25 08:35
Storage Area : VOA Refridgerator Room

Rep # 6
FZ-2