

Cover Page

Order ID : Q2008

Project ID : Former Schlumberger Site Princeton NJ 2025

Client : JACOBS Engineering Group, Inc.

Lab Sample Number

Q2008-01
Q2008-03

Client Sample Number

IDW-AQ-DRUM-633-05092025
IDW-AQ-DRUM-633-05092025

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 5/17/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

DATA REPORTING QUALIFIERS- ORGANIC

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

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2008

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 05/17/2025

LAB CHRONICLE

OrderID:	Q2008	OrderDate:	5/9/2025 3:21:23 PM
Client:	JACOBS Engineering Group, Inc.	Project:	Former Schlumberger Site Princeton NJ 2025
Contact:	Mary I. Murphy	Location:	L41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2008-01	IDW-AQ-DRUM-633-0 5092025	Water			05/09/25			05/09/25
			Diesel Range Organics	8015D		05/13/25	05/13/25	
			Gasoline Range Organics	8015D			05/12/25	



QC SUMMARY

WATER GASOLINE RANGE ORGANICS SURROGATE RECOVERY

Lab Name: Chemtech Client: JACOBS Engineering Group, Inc.
Lab Code: CHEM Case No.: Q2008 SAS No.: Q2008 SDG No.: Q2008

EPA SAMPLE NO.	S1 AAA-TFT	S2	S3	S4	TOT OUT
VBFO512W1	88				0
BSFO512W1	92				0
IDW-AQ-DRUM-633-05092025	118				0
BSFO512W2	94				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

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

Lab Name: Chemtech **Client:** JACOBS Engineering Group, Inc.
Lab Code: CHEM **Cas No:** Q2008 **SAS No :** Q2008 **SDG No:** Q2008
Matrix Spike - EPA Sample No : BSF0512W1 **Datafile:** FB031696.D

COMPOUND	SPIKE ADDED ug/L	CONCENTRATION ug/L	LCS/LCSD CONCENTRATION ug/L	% REC	QC LIMITS
GRO	180	0	163	91	50-150

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

Lab Name: Chemtech **Client:** JACOBS Engineering Group, Inc.
Lab Code: CHEM **Cas No:** Q2008 **SAS No :** Q2008 **SDG No:** Q2008
Matrix Spike - EPA Sample No : BSF0512W2 **Datafile:** FB031698.D

COMPOUND	SPIKE ADDED ug/L	CONCENTRATION ug/L	LCS/LCSD CONCENTRATION ug/L	% REC	QC LIMITS
GRO	180	0	185	103	50-150

LCS/LCSD % Recovery RPD : 12.6

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

Lab Name: Chemtech **Client:** JACOBS Engineering Group, Inc.
Lab Code: CHEM **Cas No:** Q2008 **SAS No :** Q2008 **SDG No:** Q2008
Matrix Spike - EPA Sample No : BSF0512S1 **Datafile:** FB031702.D

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

METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBF0512W1

Lab Name: CHEMTECH

Contract: JAC005

Lab Code: CHEM Case No.: Q2008

SAS No.: Q2008 SDG NO.: Q2008

Lab File ID: FB031695.D

Lab Sample ID: VBF0512W1

Date Analyzed: 05/12/25

Time Analyzed: 10:20

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
BSF0512W1	BSF0512W1	FB031696.D	05/12/25
IDW-AQ-DRUM-633-05092025	Q2008-01	FB031697.D	05/12/25
BSF0512W2	BSF0512W2	FB031698.D	05/12/25

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	05/09/25
Project:	Former Schlumberger Site Princeton NJ 2025	Date Received:	05/09/25
Client Sample ID:	IDW-AQ-DRUM-633-05092025	SDG No.:	Q2008
Lab Sample ID:	Q2008-01	Matrix:	Water
Analytical Method:	8015D GRO	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Gasoline Range Organics
GPC Factor :		Injection Volume :	
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031697.D	1	05/12/25 11:44	FB051225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
GRO	GRO	75.0		6.00	45.0	ug/L
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	23.7		50 - 150	118%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051225\
Data File : FB031697.D
Signal(s) : FID2B.CH
Acq On : 12 May 2025 11:44
Operator : YP/AJ
Sample : Q2008-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
IDW-AQ-DRUM-633-05092025

Integration File: Calibration.e
Quant Time: May 13 03:00:17 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	8.792	543191	23.686 ng/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

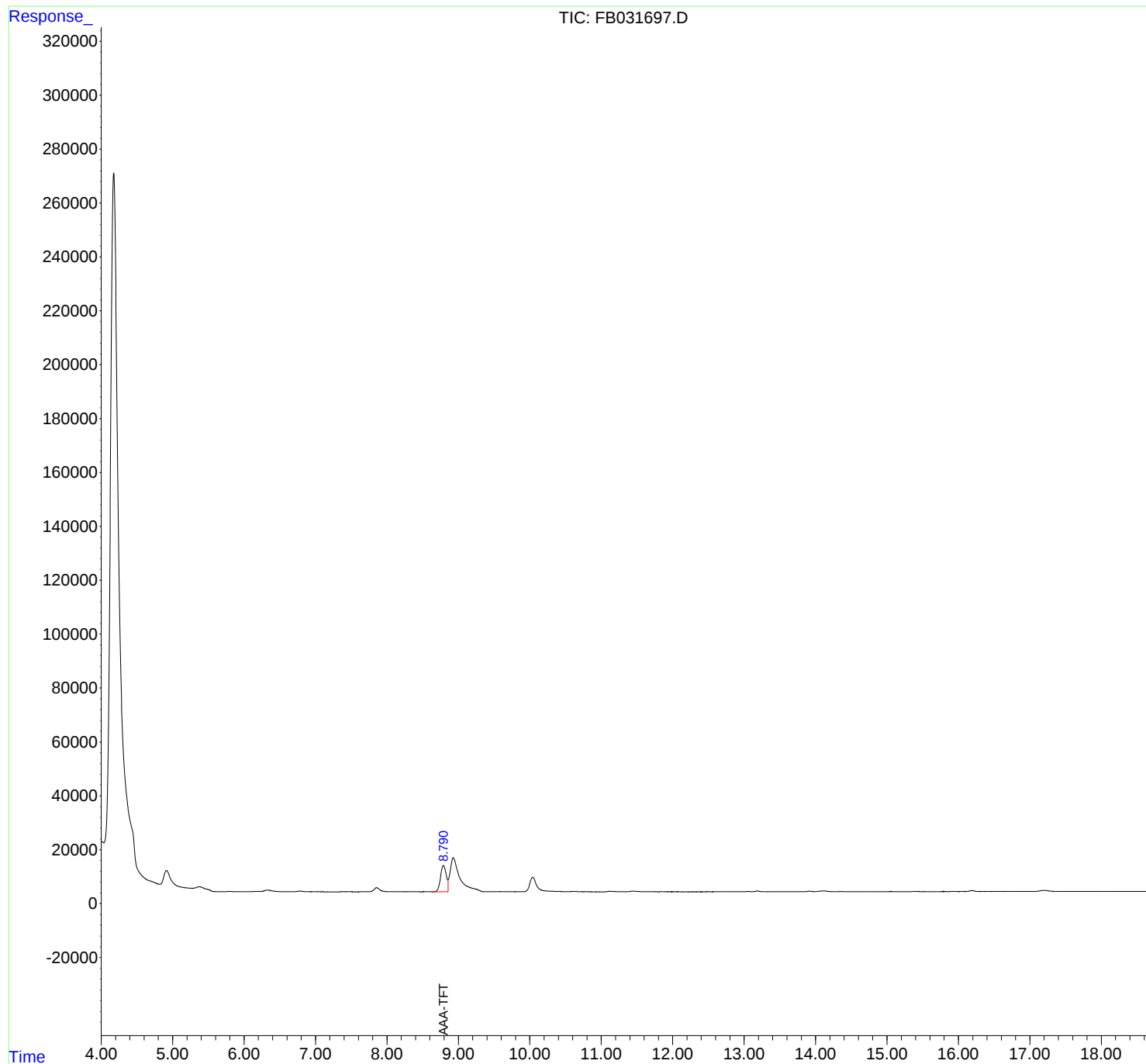
(m)=manual int.

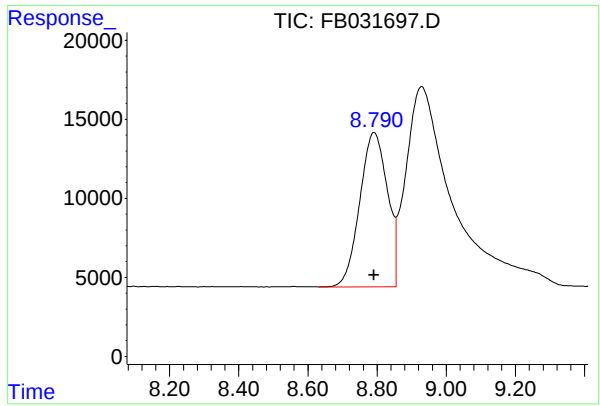
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051225\
Data File : FB031697.D
Signal(s) : FID2B.CH
Acq On : 12 May 2025 11:44
Operator : YP/AJ
Sample : Q2008-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
IDW-AQ-DRUM-633-05092025

Integration File: Calibration.e
Quant Time: May 13 03:00:17 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.: 8.792 min
Delta R.T.: 0.000 min
Response: 543191
Conc: 23.69 ng/ml

Instrument :

FID_B

ClientSampleId :

IDW-AQ-DRUM-633-05092025

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051225\
 Data File : FB031697.D
 Signal(s) : FID2B.CH
 Acq On : 12 May 2025 11:44
 Sample : Q2008-01
 Misc :
 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	4.916	4.788	5.272	BV	5393	335477	27.33%	11.050%
2	5.375	5.272	5.581	VV	1029	96606	7.87%	3.182%
3	5.589	5.581	5.632	PV	15	179	0.01%	0.006%
4	5.645	5.632	5.654	PV	15	114	0.01%	0.004%
5	5.659	5.654	5.688	VV	13	172	0.01%	0.006%
6	5.700	5.688	5.713	VV	7	64	0.01%	0.002%
7	5.725	5.713	5.737	PV	29	271	0.02%	0.009%
8	5.802	5.737	5.894	VV	95	5021	0.41%	0.165%
9	5.915	5.894	5.938	VV	25	318	0.03%	0.010%
10	5.945	5.938	5.968	VV	12	129	0.01%	0.004%
11	5.982	5.968	6.004	VV	15	100	0.01%	0.003%
12	6.080	6.004	6.087	PV	49	752	0.06%	0.025%
13	6.121	6.087	6.130	VV	90	1498	0.12%	0.049%
14	6.168	6.130	6.176	VV	112	2741	0.22%	0.090%
15	6.193	6.176	6.232	VV	122	3720	0.30%	0.123%
16	6.330	6.232	6.496	VV	618	50650	4.13%	1.668%
17	6.505	6.496	6.516	VV	90	934	0.08%	0.031%
18	6.525	6.516	6.532	VV	81	658	0.05%	0.022%
19	6.543	6.532	6.611	VV	82	2690	0.22%	0.089%
20	6.620	6.611	6.675	VV	37	1135	0.09%	0.037%
21	6.783	6.675	6.939	VV	286	17948	1.46%	0.591%
22	6.948	6.939	6.968	VV	36	520	0.04%	0.017%
23	6.984	6.968	7.014	VV	43	1019	0.08%	0.034%
24	7.022	7.014	7.045	VV	40	629	0.05%	0.021%
25	7.053	7.045	7.085	VV	39	707	0.06%	0.023%
26	7.103	7.085	7.121	VV	31	527	0.04%	0.017%
27	7.133	7.121	7.155	VV	24	399	0.03%	0.013%
28	7.166	7.155	7.181	VV	26	288	0.02%	0.009%
29	7.193	7.181	7.215	VV	19	303	0.02%	0.010%
30	7.235	7.215	7.251	VV	20	331	0.03%	0.011%
31	7.264	7.251	7.278	VV	16	181	0.01%	0.006%
32	7.315	7.278	7.337	PV	25	603	0.05%	0.020%
33	7.353	7.337	7.371	VV	48	712	0.06%	0.023%
34	7.380	7.371	7.385	VV	46	344	0.03%	0.011%
35	7.399	7.385	7.421	VV	53	923	0.08%	0.030%
36	7.437	7.421	7.485	VV	48	1665	0.14%	0.055%

					rteres			
37	7.490	7.485	7.548	VV	47	1207	0.10%	0.040%
38	7.560	7.548	7.569	VV	30	248	0.02%	0.008%
39	7.579	7.569	7.590	VV	26	255	0.02%	0.008%
40	7.695	7.590	7.705	VV	120	4791	0.39%	0.158%
41	7.713	7.705	7.752	VV	117	2899	0.24%	0.095%
42	7.854	7.752	8.030	VV	1578	93336	7.60%	3.074%
43	8.037	8.030	8.088	VV	107	2571	0.21%	0.085%
44	8.098	8.088	8.112	VV	79	869	0.07%	0.029%
45	8.127	8.112	8.137	VV	63	743	0.06%	0.024%
46	8.159	8.137	8.185	VV	63	1408	0.11%	0.046%
47	8.195	8.185	8.206	VV	47	565	0.05%	0.019%
48	8.224	8.206	8.249	VV	67	1141	0.09%	0.038%
49	8.262	8.249	8.282	VV	45	668	0.05%	0.022%
50	8.302	8.282	8.313	VV	48	698	0.06%	0.023%
51	8.324	8.313	8.359	VV	48	1021	0.08%	0.034%
52	8.408	8.359	8.459	VV	51	2391	0.19%	0.079%
53	8.480	8.459	8.489	VV	33	480	0.04%	0.016%
54	8.499	8.489	8.509	VV	37	400	0.03%	0.013%
55	8.559	8.509	8.618	VV	53	2539	0.21%	0.084%
56	8.622	8.618	8.631	VV	39	264	0.02%	0.009%
57	8.792	8.631	8.855	VV	9802	547025	44.56%	18.018%
58	8.930	8.855	9.423	VV	12715	1227487	100.00%	40.432%
59	9.433	9.423	9.472	VV	63	1771	0.14%	0.058%
60	9.485	9.472	9.507	VV	66	1169	0.10%	0.039%
61	9.582	9.507	9.697	VV	125	8506	0.69%	0.280%
62	9.717	9.697	9.751	VV	70	1697	0.14%	0.056%
63	9.763	9.751	9.801	VV	50	1161	0.09%	0.038%
64	9.871	9.801	9.903	VV	52	2379	0.19%	0.078%
65	10.040	9.903	10.365	VV	5408	381738	31.10%	12.574%
66	10.374	10.365	10.516	VV	208	10752	0.88%	0.354%
67	10.527	10.516	10.543	VV	39	641	0.05%	0.021%
68	10.623	10.543	10.736	VV	209	11940	0.97%	0.393%
69	10.749	10.736	10.786	VV	28	761	0.06%	0.025%
70	10.799	10.786	10.822	VV	34	484	0.04%	0.016%
71	10.832	10.822	10.905	VV	35	811	0.07%	0.027%
72	10.919	10.905	10.956	VV	28	357	0.03%	0.012%
73	10.978	10.956	11.031	PV	15	507	0.04%	0.017%
74	11.125	11.031	11.306	VV	211	16909	1.38%	0.557%
75	11.320	11.306	11.346	VV	49	847	0.07%	0.028%
76	11.442	11.346	11.650	VV	266	23085	1.88%	0.760%
77	11.672	11.650	11.807	VV	60	3003	0.24%	0.099%
78	11.880	11.807	11.907	VV	33	1389	0.11%	0.046%
79	11.915	11.907	11.935	VV	33	313	0.03%	0.010%
80	11.946	11.935	11.987	VV	32	607	0.05%	0.020%
81	12.005	11.987	12.041	VV	43	701	0.06%	0.023%
82	12.061	12.041	12.122	VV	37	905	0.07%	0.030%
83	12.134	12.122	12.177	VV	17	327	0.03%	0.011%
84	12.190	12.177	12.225	VV	19	304	0.02%	0.010%
85	12.279	12.225	12.300	PV	26	553	0.05%	0.018%
86	12.313	12.300	12.356	VV	25	474	0.04%	0.016%
87	12.402	12.356	12.445	VV	30	678	0.06%	0.022%
88	12.470	12.445	12.487	PV	26	432	0.04%	0.014%
89	12.514	12.487	12.547	PV	20	490	0.04%	0.016%

					rterres				
90	12.574	12.547	12.611	VV	31	757	0.06%	0.025%	
91	12.692	12.611	12.731	VV	62	2753	0.22%	0.091%	
92	12.748	12.731	12.823	VV	63	2279	0.19%	0.075%	
93	12.856	12.823	12.895	VV	41	1516	0.12%	0.050%	
94	12.911	12.895	12.981	VV	42	1545	0.13%	0.051%	
95	13.053	12.981	13.114	VV	116	5899	0.48%	0.194%	
96	13.187	13.114	13.305	VV	285	15601	1.27%	0.514%	
97	13.316	13.305	13.335	VV	43	421	0.03%	0.014%	
98	13.394	13.335	13.430	VV	22	677	0.06%	0.022%	
99	13.453	13.430	13.483	VV	34	515	0.04%	0.017%	
100	13.611	13.483	13.658	VV	29	1719	0.14%	0.057%	
101	13.692	13.658	13.726	VV	22	567	0.05%	0.019%	
102	13.921	13.726	13.989	VV	216	13322	1.09%	0.439%	
103	14.112	13.989	14.286	VV	312	28264	2.30%	0.931%	
104	14.361	14.286	14.456	VV	115	5863	0.48%	0.193%	
105	14.480	14.456	14.506	VV	25	507	0.04%	0.017%	
106	14.534	14.506	14.571	VV	32	685	0.06%	0.023%	
107	14.583	14.571	14.604	VV	15	230	0.02%	0.008%	
108	14.616	14.604	14.657	VV	19	353	0.03%	0.012%	
109	14.668	14.657	14.691	VV	18	196	0.02%	0.006%	
110	14.711	14.691	14.766	VV	25	482	0.04%	0.016%	
111	14.832	14.766	14.883	VV	25	891	0.07%	0.029%	
112	14.896	14.883	14.914	VV	18	211	0.02%	0.007%	
113	14.934	14.914	14.946	PV	14	248	0.02%	0.008%	
114	15.049	14.946	15.181	VV	80	5333	0.43%	0.176%	
115	15.244	15.181	15.309	VV	46	1783	0.15%	0.059%	
116	15.392	15.309	15.472	VV	118	6617	0.54%	0.218%	
117	15.492	15.472	15.581	VV	61	2062	0.17%	0.068%	
118	15.607	15.581	15.621	VV	25	481	0.04%	0.016%	
119	15.650	15.621	15.692	VV	40	976	0.08%	0.032%	
120	15.716	15.692	15.730	VV	31	509	0.04%	0.017%	
121	15.755	15.730	15.770	VV	55	805	0.07%	0.027%	
122	15.825	15.770	15.846	VV	45	1698	0.14%	0.056%	
123	15.926	15.846	16.021	VV	68	4695	0.38%	0.155%	
124	16.033	16.021	16.093	VV	49	1558	0.13%	0.051%	
125	16.191	16.093	16.312	VV	394	19754	1.61%	0.651%	
126	16.358	16.312	16.380	VV	47	1277	0.10%	0.042%	
127	16.398	16.380	16.435	VV	36	886	0.07%	0.029%	
128	16.489	16.435	16.552	VV	32	1257	0.10%	0.041%	
129	16.570	16.552	16.603	VV	22	457	0.04%	0.015%	
130	16.620	16.603	16.640	VV	25	425	0.03%	0.014%	
131	16.724	16.640	16.738	PV	20	547	0.04%	0.018%	
132	16.757	16.738	16.782	VV	19	275	0.02%	0.009%	
				Sum of corrected areas:		3035917			

FB042325.M Tue May 13 03:36:54 2025



CALIBRATION SUMMARY

GASOLINE RANGE ORGANICS INITIAL CALIBRATION SUMMARY

Lab Name: Chemtech Contract: JACO05
 ProjectID: Former Schlumberger Site Princeton NJ 2025
 Lab Code: CHEM Case No.: Q2008 SAS No.: Q2008 SDG No.: Q2008

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

GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Chemtech Contract: JACO05
ProjectID: Former Schlumberger Site Princeton NJ 2025
Lab Code: CHEM Case No.: Q2008 SAS No.: Q2008 SDG No.: Q2008
DataFile: FB031694.D Analyst Name: YP/AJ Analyst Date: 05-12-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	6211245	34507	33435	3.206

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051225\
 Data File : FB031694.D
 Signal(s) : FID2B.CH
 Acq On : 12 May 2025 9:40
 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 05/13/2025
 Supervised By :mohammad ahmed 05/14/2025

Integration File: Calibration.e
 Quant Time: May 13 02:59:43 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
 Quant Title :
 QLast Update : Wed Apr 23 13:48:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
5) s AAA-TFT	8.787	493466	21.518 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.720	493711	22.218 ng/mlm
2) t 2,2,4-Trimethylpentane	7.416	942742	27.599 ng/ml
3) t n-Heptane	7.748	268032	8.714 ng/ml
4) t Benzene	7.888	396550	9.697 ng/ml
6) t Toluene	10.614	1262539	31.689 ng/ml
7) t Ethylbenzene	13.050	402468	11.263 ng/ml
8) t m-Xylene	13.183	943750	24.154 ng/ml
9) t O-Xylene	13.912	816122	22.151 ng/ml
10) t 1,2,4-Trimethylbenzene	16.188	685331	25.407 ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051225\
Data File : FB031694.D
Signal(s) : FID2B.CH
Acq On : 12 May 2025 9:40
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

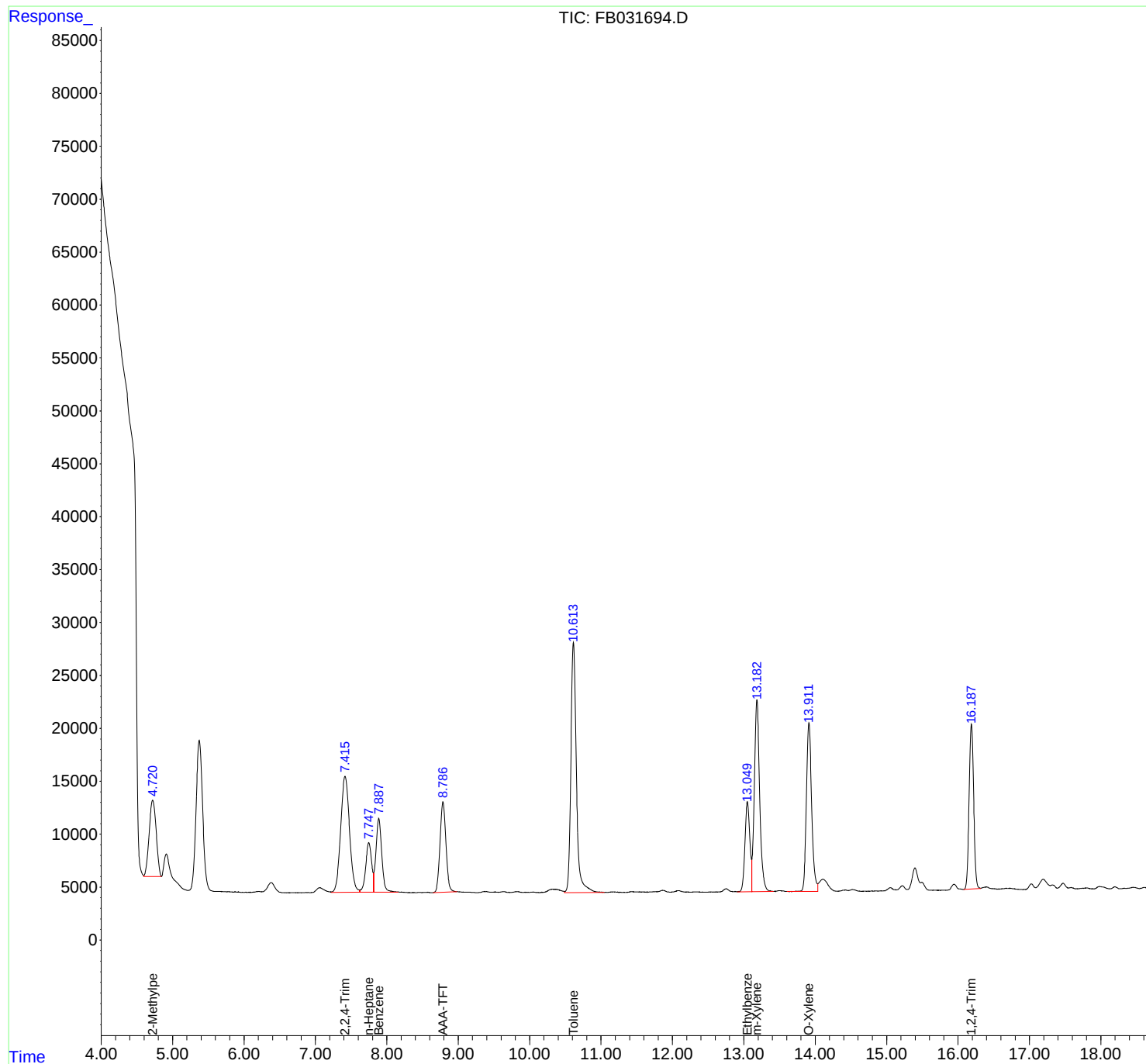
Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/13/2025
Supervised By :mohammad ahmed 05/14/2025

Integration File: Calibration.e
Quant Time: May 13 02:59:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB05122
Data File : FB031694.D
Signal(s) : FID2B.CH
Acq On : 12 May 2025 9:40
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 05/13/2025
Supervised By :mohammad ahmed 05/14/2025

Integration File: Calibration.e

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

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.721	4.582	4.845	BV	7364	516725	40.93%	7.681%
2	7.416	7.226	7.622	VV	10972	942742	74.67%	14.013%
3	7.748	7.622	7.815	VV	4689	268032	21.23%	3.984%
4	7.888	7.815	8.156	VV	6990	396550	31.41%	5.894%
5	8.787	8.646	8.982	PV	8551	493466	39.09%	7.335%
6	10.614	10.488	11.047	VV	23621	1262539	100.00%	18.766%
7	13.050	12.906	13.110	PV	8507	402468	31.88%	5.982%
8	13.183	13.110	13.419	VV	18131	943750	74.75%	14.028%
9	13.912	13.600	14.036	BV	15946	816122	64.64%	12.131%
10	16.188	16.077	16.318	PV	15559	685331	54.28%	10.187%

Sum of corrected areas: 6727725

FB042325.M Tue May 13 03:31:07 2025

GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Chemtech Contract: JACO05
ProjectID: Former Schlumberger Site Princeton NJ 2025
Lab Code: CHEM Case No.: Q2008 SAS No.: Q2008 SDG No.: Q2008
DataFile: FB031699.D Analyst Name: YP/AJ Analyst Date: 05-12-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	5654010	31411	33435	6.054

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051225\
 Data File : FB031699.D
 Signal(s) : FID2B.CH
 Acq On : 12 May 2025 13:53
 Operator : YP/AJ
 Sample : 20 PPB GRO STD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 FID_B
 ClientSampleId :
 20 PPB GRO STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/13/2025
 Supervised By :mohammad ahmed 05/14/2025

Integration File: Calibration.e
 Quant Time: May 13 03:00:40 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	8.791	449699	19.609 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.721	540437	24.321 ng/mlm
2) t 2,2,4-Trimethylpentane	7.421	966791	28.303 ng/ml
3) t n-Heptane	7.754	262164	8.523 ng/ml
4) t Benzene	7.893	394984	9.659 ng/ml
6) t Toluene	10.620	1158978	29.090 ng/ml
7) t Ethylbenzene	13.056	346876	9.707 ng/ml
8) t m-Xylene	13.189	759811	19.446 ng/ml
9) t O-Xylene	13.918	712766	19.346 ng/ml
10) t 1,2,4-Trimethylbenzene	16.193	511203	18.951 ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051225\
Data File : FB031699.D
Signal(s) : FID2B.CH
Acq On : 12 May 2025 13:53
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

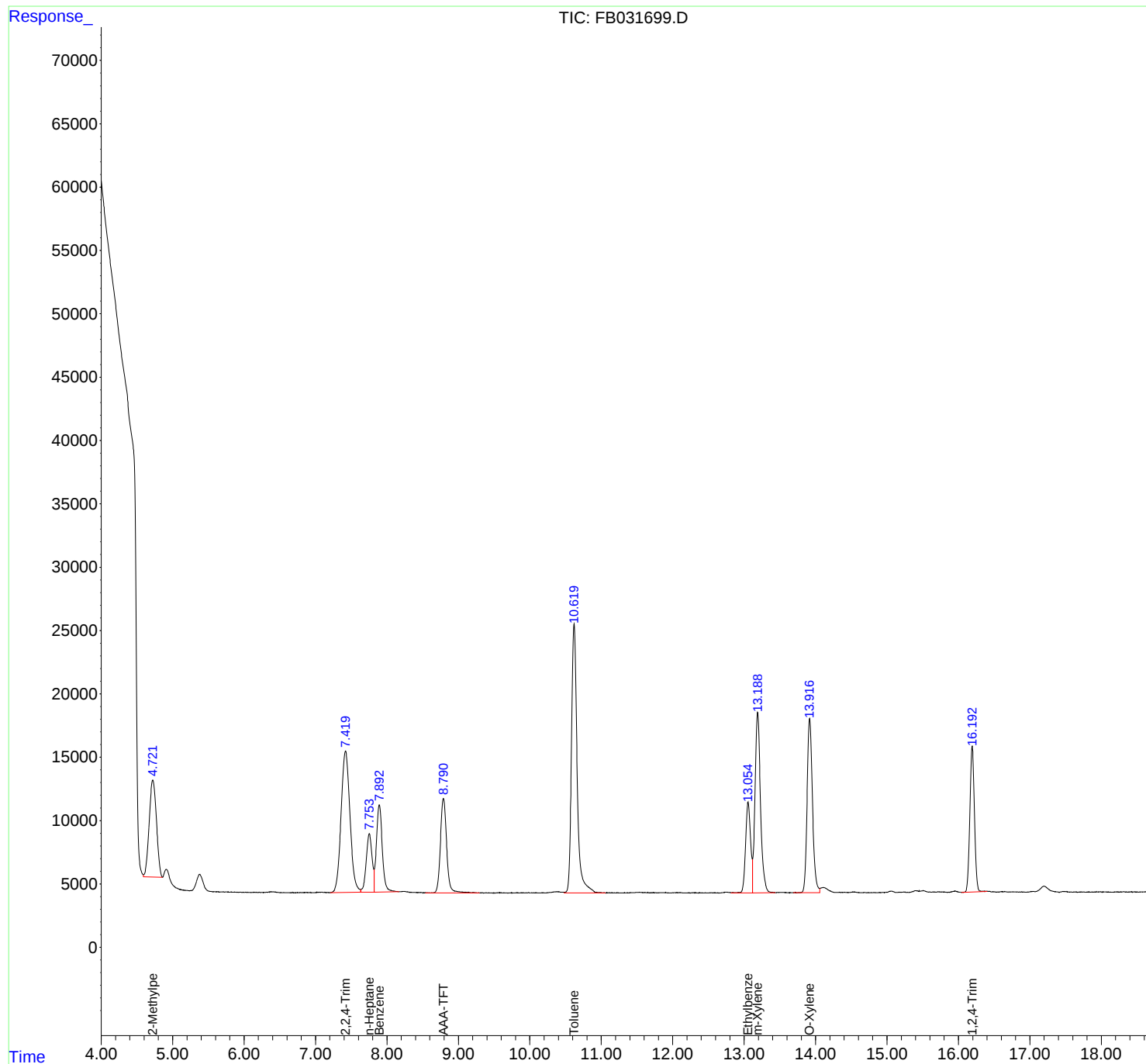
Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/13/2025
Supervised By :mohammad ahmed 05/14/2025

Integration File: Calibration.e
Quant Time: May 13 03:00:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 05/13/2025
Supervised By :mohammad ahmed 05/14/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB05122
Data File : FB031699.D
Signal(s) : FID2B.CH
Acq On : 12 May 2025 13:53
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: Calibration.e

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

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.723	4.582	4.858	BV	7766	558089	48.15%	9.117%
2	7.421	7.206	7.635	PV	11163	966791	83.42%	15.794%
3	7.754	7.635	7.820	VV	4622	262164	22.62%	4.283%
4	7.893	7.820	8.172	VV	6879	394984	34.08%	6.453%
5	8.791	8.540	9.297	BB	7460	449699	38.80%	7.346%
6	10.620	10.480	11.061	VB	21240	1158978	100.00%	18.933%
7	13.056	12.820	13.116	VV	7168	346876	29.93%	5.667%
8	13.189	13.116	13.436	VV	14233	759811	65.56%	12.412%
9	13.918	13.686	14.061	BV	13736	712766	61.50%	11.644%
10	16.193	16.041	16.403	PBA	11534	511203	44.11%	8.351%

Sum of corrected areas: 6121362

FB042325.M Tue May 13 03:32:54 2025

Analytical Sequence

Client: JACOBS Engineering Group, Inc.

SDG No.: Q2008

Project: Former Schlumberger Site Princeton NJ 2025

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	12 May 2025 9:40	FB031694.D	8.787	
VBF0512W1	VBF0512W1	12 May 2025 10:20	FB031695.D	8.790	
BSF0512W1	BSF0512W1	12 May 2025 11:16	FB031696.D	8.792	
IDW-AQ-DRUM-633-05092025	Q2008-01	12 May 2025 11:44	FB031697.D	8.792	
BSF0512W2	BSF0512W2	12 May 2025 12:55	FB031698.D	8.791	
20 PPB GRO STD	20 PPB GRO STD	12 May 2025 13:53	FB031699.D	8.791	



QC SAMPLE DATA

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger Site Princeton NJ 2025	Date Received:	
Client Sample ID:	VBF0512W1	SDG No.:	Q2008
Lab Sample ID:	VBF0512W1	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
FB031695.D	1	05/12/25 10:20	FB051225

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

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051225\
Data File : FB031695.D
Signal(s) : FID2B.CH
Acq On : 12 May 2025 10:20
Operator : YP/AJ
Sample : VBF0512W1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0512W1

Integration File: Calibration.e
Quant Time: May 13 02:59:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
5) s AAA-TFT	8.790	405367	17.676 ng/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

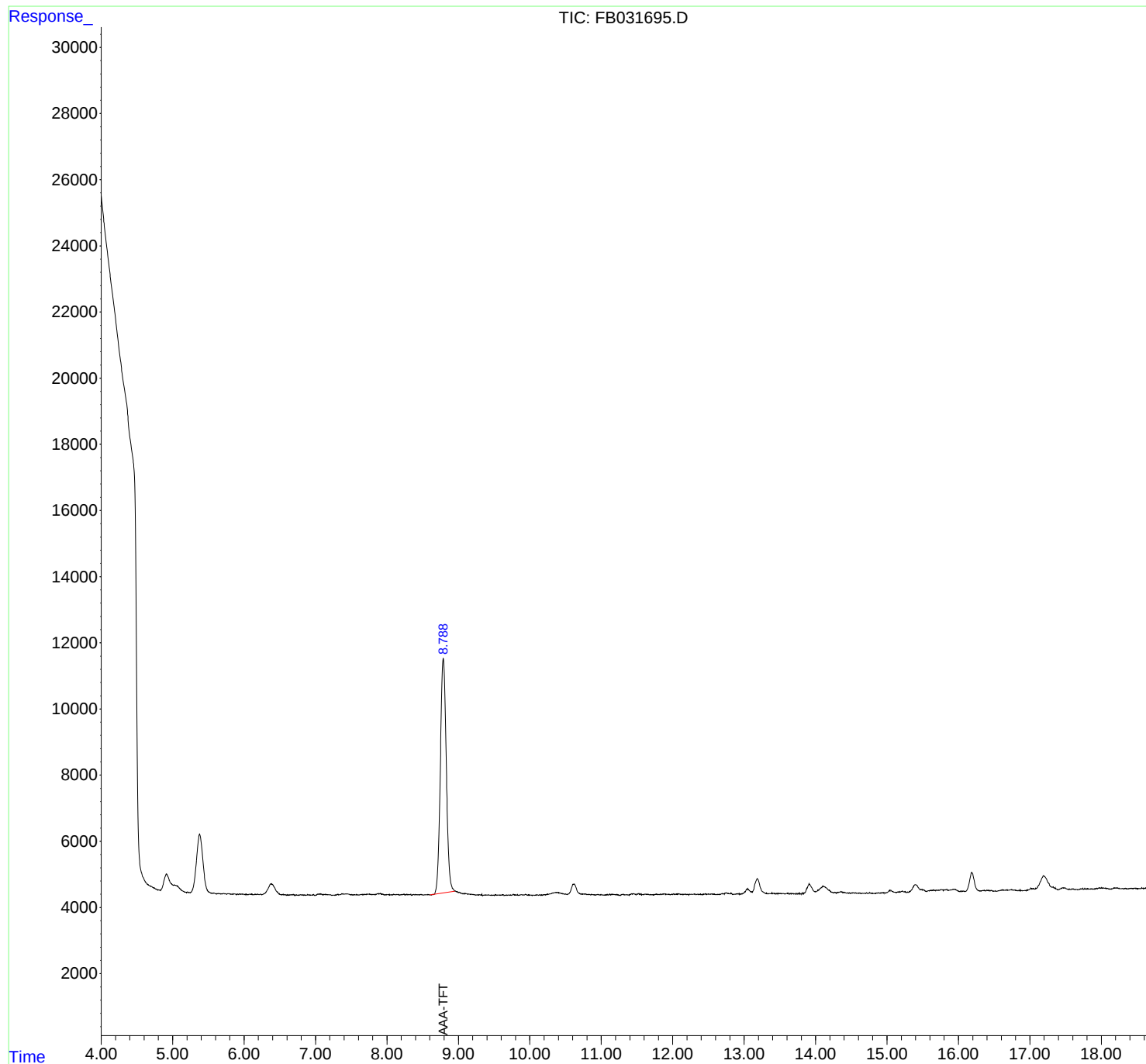
(m)=manual int.

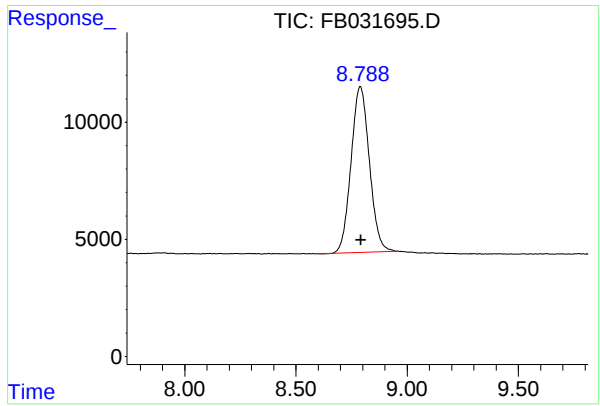
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051225\
Data File : FB031695.D
Signal(s) : FID2B.CH
Acq On : 12 May 2025 10:20
Operator : YP/AJ
Sample : VBF0512W1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF0512W1

Integration File: Calibration.e
Quant Time: May 13 02:59:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#5 AAA-TFT

R.T.: 8.790 min
Delta R.T.: -0.002 min
Response: 405367
Conc: 17.68 ng/ml

Instrument :

FID_B

ClientSampleId :

VBF0512W1

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051225\
Data File : FB031695.D
Signal(s) : FID2B.CH
Acq On : 12 May 2025 10:20
Sample : VBF0512W1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: Calibration.e

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

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	8.790	8.604	8.950	BV	7087	405367	100.00%	100.000%
Sum of corrected areas:							405367	

FB042325.M Tue May 13 03:31:31 2025

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger Site Princeton NJ 2025	Date Received:	
Client Sample ID:	BSF0512W1	SDG No.:	Q2008
Lab Sample ID:	BSF0512W1	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
FB031696.D	1	05/12/25 11:16	FB051225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
GRO	GRO	163		6.00	45.0	ug/L
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	18.4		50 - 150	92%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051225\
 Data File : FB031696.D
 Signal(s) : FID2B.CH
 Acq On : 12 May 2025 11:16
 Operator : YP/AJ
 Sample : BSF0512W1
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 FID_B
 ClientSampleId :
 BSF0512W1

Integration File: Calibration.e
 Quant Time: May 13 03:00:06 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
 Quant Title :
 QLast Update : Wed Apr 23 13:48:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
5) s AAA-TFT	8.792	422028	18.403 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.724	527198	23.725 ng/ml
2) t 2,2,4-Trimethylpentane	7.422	928510	27.182 ng/ml
3) t n-Heptane	7.754	258957	8.419 ng/ml
4) t Benzene	7.894	379272	9.275 ng/ml
6) t Toluene	10.620	1105636	27.751 ng/ml
7) t Ethylbenzene	13.056	333446	9.331 ng/ml
8) t m-Xylene	13.189	735195	18.816 ng/ml
9) t O-Xylene	13.917	690272	18.735 ng/ml
10) t 1,2,4-Trimethylbenzene	16.192	503117	18.652 ng/ml

(f)=RT Delta > 1/2 Window

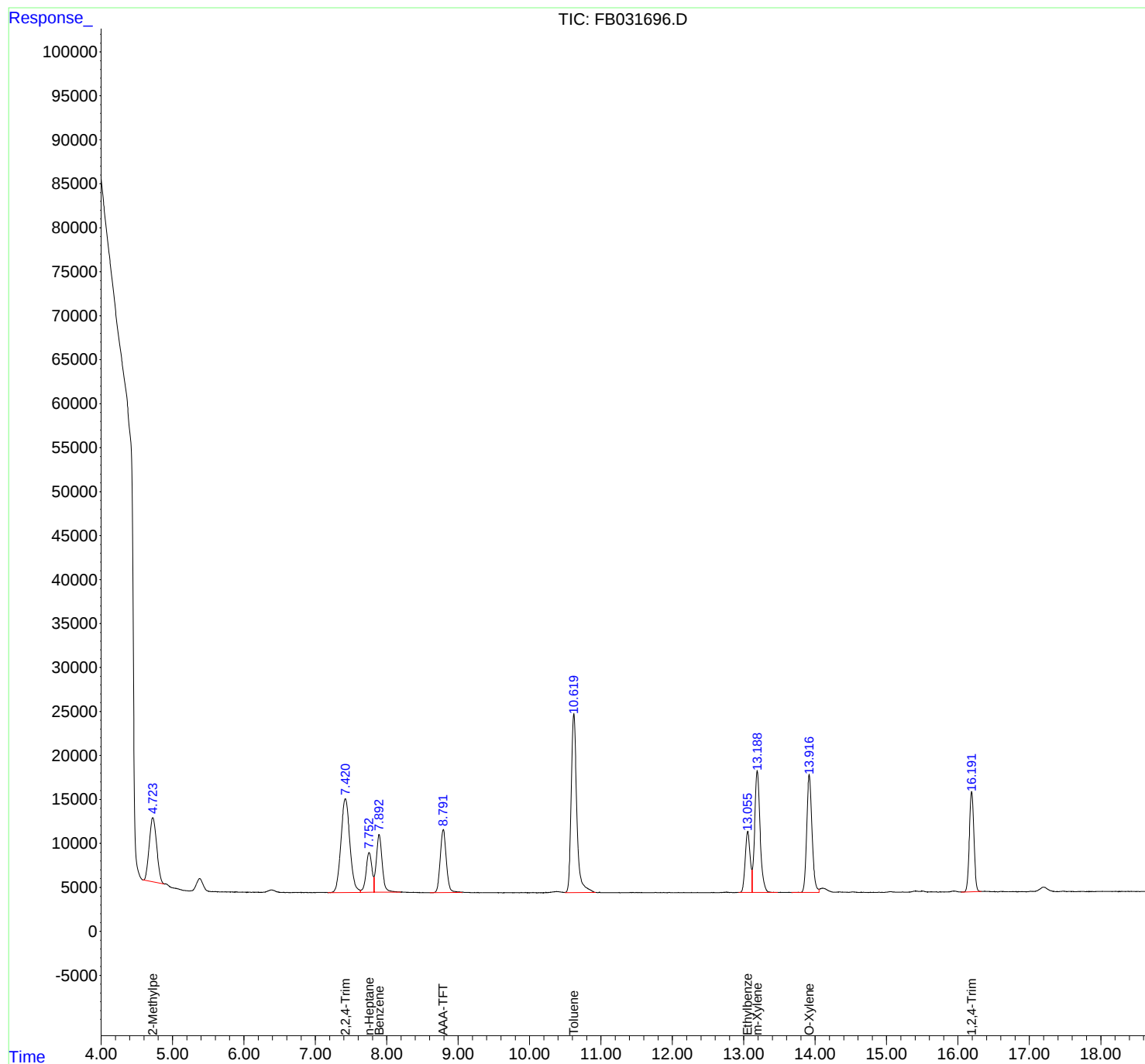
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051225\
Data File : FB031696.D
Signal(s) : FID2B.CH
Acq On : 12 May 2025 11:16
Operator : YP/AJ
Sample : BSF0512W1
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF0512W1

Integration File: Calibration.e
Quant Time: May 13 03:00:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051225\
Data File : FB031696.D
Signal(s) : FID2B.CH
Acq On : 12 May 2025 11:16
Sample : BSF0512W1
Misc :
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	4.724	4.582	4.882	BV	7287	527198	47.68%	8.960%
2	7.422	7.173	7.632	BV	10655	928510	83.98%	15.781%
3	7.754	7.632	7.821	VV	4521	258957	23.42%	4.401%
4	7.894	7.821	8.197	VV	6570	379272	34.30%	6.446%
5	8.792	8.603	9.057	PV	7171	422028	38.17%	7.173%
6	10.620	10.499	10.926	VV	20326	1105636	100.00%	18.792%
7	13.056	12.926	13.116	BV	6980	333446	30.16%	5.667%
8	13.189	13.116	13.477	VB	13815	735195	66.50%	12.496%
9	13.917	13.667	14.053	BV	13380	690272	62.43%	11.732%
10	16.192	16.043	16.327	PV	11393	503117	45.50%	8.551%

Sum of corrected areas: 5883631

FB042325.M Tue May 13 03:31:55 2025

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger Site Princeton NJ 2025	Date Received:	
Client Sample ID:	BSF0512W2	SDG No.:	Q2008
Lab Sample ID:	BSF0512W2	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
FB031698.D	1	05/12/25 12:55	FB051225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
GRO	GRO	185		6.00	45.0	ug/L
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	18.7		50 - 150	94%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051225\
 Data File : FB031698.D
 Signal(s) : FID2B.CH
 Acq On : 12 May 2025 12:55
 Operator : YP/AJ
 Sample : BSF0512W2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_B
 ClientSampleId :
 BSF0512W2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/13/2025
 Supervised By :mohammad ahmed 05/14/2025

Integration File: Calibration.e
 Quant Time: May 13 03:00:28 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
 Quant Title :
 QLast Update : Wed Apr 23 13:48:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
5) s AAA-TFT	8.791	429797	18.742 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.722	586417	26.390 ng/mlm
2) t 2,2,4-Trimethylpentane	7.421	1047966	30.679 ng/ml
3) t n-Heptane	7.754	288945	9.394 ng/ml
4) t Benzene	7.893	424289	10.376 ng/ml
6) t Toluene	10.621	1249233	31.355 ng/ml
7) t Ethylbenzene	13.056	378481	10.592 ng/ml
8) t m-Xylene	13.190	832206	21.299 ng/ml
9) t O-Xylene	13.918	783532	21.267 ng/ml
10) t 1,2,4-Trimethylbenzene	16.193	569488	21.112 ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB051225\
Data File : FB031698.D
Signal(s) : FID2B.CH
Acq On : 12 May 2025 12:55
Operator : YP/AJ
Sample : BSF0512W2
Misc :
ALS Vial : 3 Sample Multiplier: 1

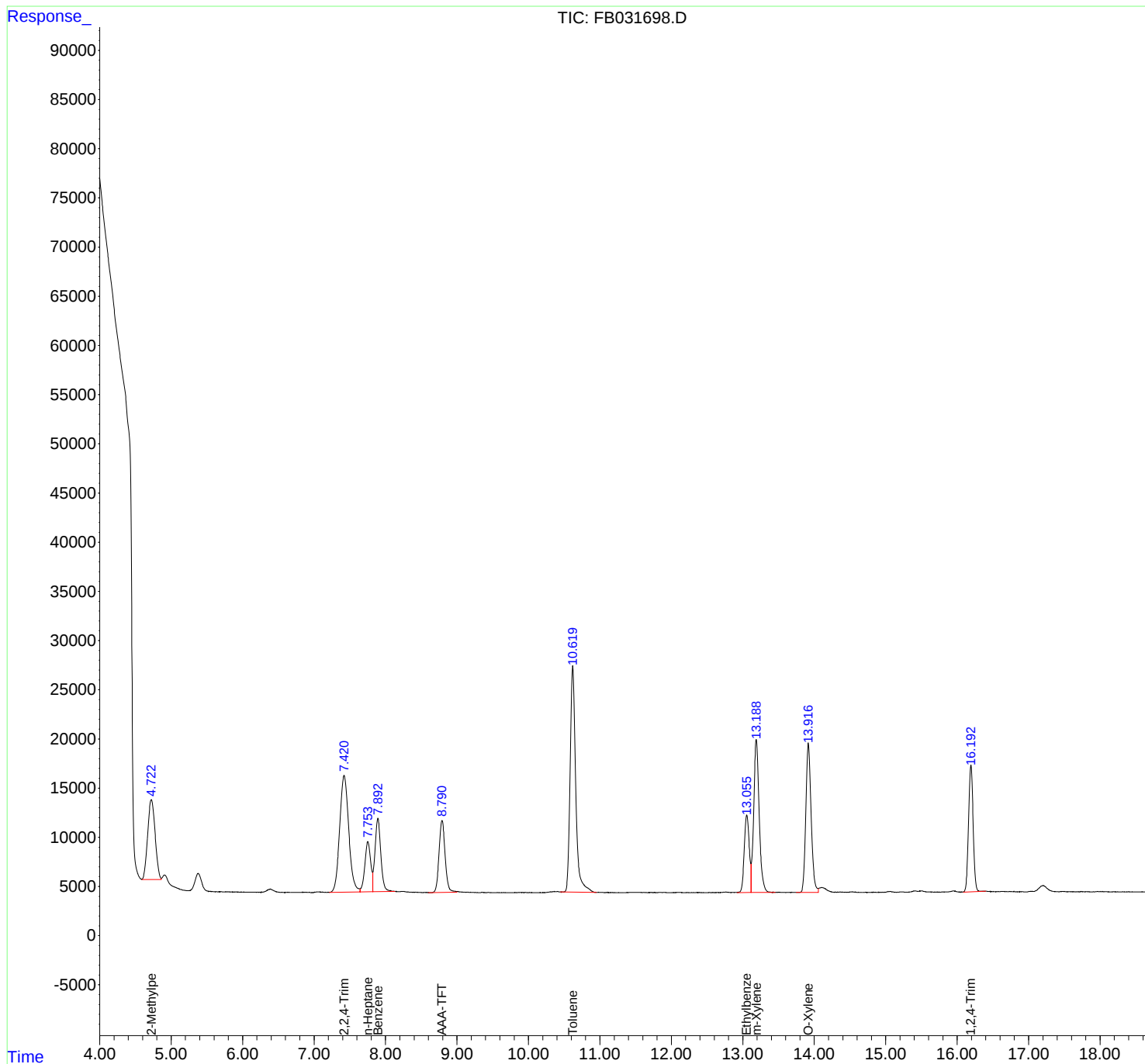
Instrument :
FID_B
ClientSampleId :
BSF0512W2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/13/2025
Supervised By :mohammad ahmed 05/14/2025

Integration File: Calibration.e
Quant Time: May 13 03:00:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB042325.M
Quant Title :
QLast Update : Wed Apr 23 13:48:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Instrument :

FID_B

ClientSampleId :

BSF0512W2

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 05/13/2025

Supervised By :mohammad ahmed 05/14/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB05122
Data File : FB031698.D
Signal(s) : FID2B.CH
Acq On : 12 May 2025 12:55
Sample : BSF0512W2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: Calibration.e

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

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.723	4.582	4.861	BV	8330	622824	49.86%	9.399%
2	7.421	7.209	7.646	PV	11873	1047966	83.89%	15.814%
3	7.754	7.646	7.820	VV	5108	288945	23.13%	4.360%
4	7.893	7.820	8.133	VV	7457	424289	33.96%	6.403%
5	8.791	8.601	8.999	BV	7312	429797	34.40%	6.486%
6	10.621	10.443	10.956	BV	23005	1249233	100.00%	18.851%
7	13.056	12.921	13.116	VV	7875	378481	30.30%	5.711%
8	13.190	13.116	13.455	VV	15558	832206	66.62%	12.558%
9	13.918	13.744	14.056	BV	15168	783532	62.72%	11.824%
10	16.193	16.082	16.401	BBA	12880	569488	45.59%	8.594%

Sum of corrected areas: 6626762

FB042325.M Tue May 13 03:32:28 2025

Manual Integration Report

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

Manual Integration Report

Sample ID	ClientID ID	File ID	Sequence ID	Parameter	Supervised By	Supervised On	Reason
20 PPB GRO STD		FB031694.D	FB051225	2-Methylpentane	mohammad	5/14/2025 5:13:59 AM	Peak Integrated by Software incorrectly
BSF0512W2		FB031698.D	FB051225	2-Methylpentane	mohammad	5/14/2025 5:13:59 AM	Peak Integrated by Software incorrectly
20 PPB GRO STD		FB031699.D	FB051225	2-Methylpentane	mohammad	5/14/2025 5:13:59 AM	Peak Integrated by Software incorrectly
BSF0512S1		FB031702.D	FB051225	2-Methylpentane	mohammad	5/14/2025 5:13:59 AM	Peak Integrated by Software incorrectly
Q1982-01		FB031703.D	FB051225	AAA-TFT	mohammad	5/14/2025 5:13:59 AM	Peak Integrated by Software incorrectly

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QC Batch ID # FB042325

Review By	yogesh	Review On	4/23/2025 1:56:12 PM
Supervise By	mohammad	Supervise On	4/26/2025 2:19:22 AM
SubDirectory	FB042325	HP Acquire Method	HP Processing Method FB042325
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24110,PP24485,PP24486,PP24487,PP24488,PP24489		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24111,PP24490		

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

M : Manual Integration

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QC Batch ID # FB051225

Review By	yogesh	Review On	5/12/2025 1:58:29 PM
Supervise By	mohammad	Supervise On	5/14/2025 5:13:59 AM
SubDirectory	FB051225	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	PP24563,PP24564,PP24565,PP24566		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24111,PP24490		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	20 PPB GRO STD	FB031694.D	12 May 2025 9:40	YP/AJ	Ok,M
2	VPF0512W1	FB031695.D	12 May 2025 10:20	YP/AJ	Ok
3	BSF0512W1	FB031696.D	12 May 2025 11:16	YP/AJ	Ok
4	Q2008-01	FB031697.D	12 May 2025 11:44	YP/AJ	Ok
5	BSF0512W2	FB031698.D	12 May 2025 12:55	YP/AJ	Ok,M
6	20 PPB GRO STD	FB031699.D	12 May 2025 13:53	YP/AJ	Ok,M
7	VPF0512S1	FB031700.D	12 May 2025 14:37	YP/AJ	Not Ok
8	VPF0512S2	FB031701.D	12 May 2025 15:23	YP/AJ	Not Ok
9	BSF0512S1	FB031702.D	12 May 2025 16:41	YP/AJ	Not Ok
10	Q1982-01	FB031703.D	12 May 2025 17:12	YP/AJ	Not Ok

M : Manual Integration

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QC Batch ID # FB042325

Review By	yogesh	Review On	4/23/2025 1:56:12 PM
Supervise By	mohammad	Supervise On	4/26/2025 2:19:22 AM
SubDirectory	FB042325	HP Acquire Method	HP Processing Method
			FB042325
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24110,PP24485,PP24486,PP24487,PP24488,PP24489		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24111,PP24490		

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

M : Manual Integration

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QC Batch ID # FB051225

Review By	yogesh	Review On	5/12/2025 1:58:29 PM
Supervise By	mohammad	Supervise On	5/14/2025 5:13:59 AM
SubDirectory	FB051225	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	PP24563,PP24564,PP24565,PP24566
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24111,PP24490

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	20 PPB GRO STD		FB031694.D	12 May 2025 9:40		YP/AJ	Ok,M
2	VBF0512W1		FB031695.D	12 May 2025 10:20		YP/AJ	Ok
3	BSF0512W1		FB031696.D	12 May 2025 11:16		YP/AJ	Ok
4	Q2008-01		FB031697.D	12 May 2025 11:44	Vial-A	YP/AJ	Ok
5	BSF0512W2		FB031698.D	12 May 2025 12:55		YP/AJ	Ok,M
6	20 PPB GRO STD		FB031699.D	12 May 2025 13:53		YP/AJ	Ok,M
7	VBF0512S1		FB031700.D	12 May 2025 14:37	end ccc missing	YP/AJ	Not Ok
8	VBF0512S2		FB031701.D	12 May 2025 15:23	end ccc missing	YP/AJ	Not Ok
9	BSF0512S1		FB031702.D	12 May 2025 16:41	end ccc missing	YP/AJ	Not Ok
10	Q1982-01		FB031703.D	12 May 2025 17:12	surrogate fail ,end ccc missing	YP/AJ	Not Ok

M : Manual Integration



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: JACOBS
ADDRESS: 412 MT KEMBLE AVE, SUITE 100
CITY MORRISTOWN STATE: NJ ZIP: 07960
ATTENTION: JOHN YAFENTE
PHONE: 281-414-1719 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: STC PRINCETON
PROJECT NO.: D386822 LOCATION: PRINCETON JUNCTION NJ
PROJECT MANAGER: MARY MURPHY
e-mail: MARY.MURPHY@JACOBS.COM
PHONE: 201-936-0586 FAX:

CLIENT BILLING INFORMATION

BILL TO: MARY.MURPHY@JACOBS.COM
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) DAYS*
HARDCOPY (DATA PACKAGE) DAYS*
EDD: RIBA 2 DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

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

1 SWR TCL 8015M
2 DRO 8015M
3 REBC 8015M
4 FLASH OXIDIZING LIX 1010B
5 PH 9040C 826020
6 VOC TCL 8015M
7 GRO 8015M
8 METALS 1010B
9

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		E	E	E	E	E	A/E	A/E	B/E			
1.	IDW-AQ-DRUM-633-05092025	AQ		X	5/9/25	1230	10	X	X	X	X	X	X	X	X			
2.																		
3.																		
4.																		
5.																		
6.																		
7.																		
8.																		
9.																		
10.																		

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

RELINQUISHED BY SAMPLER: 1. [Signature]	DATE/TIME: 5/9/25 15:05	RECEIVED BY: [Signature]	5-4-25	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.0 °C
RELINQUISHED BY SAMPLER: 2. [Signature]	DATE/TIME:	RECEIVED BY: 2. [Signature]		Comments: LEVEL 2 EDD REQUESTED Temp 3.0 °C adjustment factor + DIR Gun #1, PH 1.3 LOT# 80A0441
RELINQUISHED BY SAMPLER: 3. [Signature]	DATE/TIME: 5-9-25	RECEIVED BY: 3. [Signature]		Page ____ of CLIENT: ☐ Hand Delivered ☐ Other Shipment Complete ☐ YES ☐ NO

Laboratory Certification

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2008	JACO05	Order Date : 5/9/2025 3:21:23 PM	Project Mgr :
Client Name : JACOBS Engineering Grou		Project Name : Former Schlumberger Site I	Report Type : Level 4
Client Contact : Mary I. Murphy		Receive DateTime : 5/9/2025 12:00:00 AM	EDD Type : CH2MHILL
Invoice Name : JACOBS Engineering Grou		Purchase Order : 14:50	Hard Copy Date :
Invoice Contact : Mary I. Murphy			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2008-01	IDW-AQ-DRUM-633-05092025	Water	05/09/2025	12:30	VOC-TCLVOA-10		8260D		2 Bus. Days

Relinquished By :

Date / Time : 5/12/25 1000

Received By :

Date / Time : 5/12/25 10:00

Storage Area : VOA Refridgerator Room