

DATA PACKAGE
GC SEMI-VOLATILES

PROJECT NAME : NWIRP NORTHRUP GRUMMAN SITE – BETHPAGE, NY

ICE SERVICE GROUP, INC.
191 Central Avenue Suite 200C

Newark, NJ - 07103
Phone No: 4129165710

ORDER ID : Q3399
ATTENTION : Dennis D. Morgan, II



Laboratory Certification ID # 20012



1) GASOLINE RANGE ORGANICS Data	2
2) Signature Page	3
3) Case Narrative	4
4) Qualifier Page	6
5) Conformance/Non Conformance	7
6) QA Checklist	9
7) Chronicle	10
8) QC Data Summary For Gasoline Range Organics	11
8.1) Deuterated Monitoring Compound Summary	12
8.2) LCS/LCSD Summary	13
8.3) Method Blank Summary	15
9) Sample Data	16
9.1) COMP-ROLLOFF	17
10) Calibration Data Summary	24
10.1) Initial Calibration Data	25
10.1.1) FB092225	25
10.2) Continued Calibration Data	26
10.2.1) FB032260.D	26
10.2.2) FB032266.D	33
10.3) Analytical Seq	39
11) QC Sample Data	40
11.1) Method Blank Data	41
11.2) LCS Data	46
11.3) LCSD Data	53
12) Manual Integration	59
13) Analytical Runlogs	60
14) Percent Solid	64
15) Standard Prep Logs	77
16) Shipping Document	94
16.1) Chain Of Custody	95
16.2) Lab Certificate	97
16.3) Internal COC	98

Cover Page

Order ID : Q3399

Project ID : NWIRP Northrup Grumman Site – Bethpage, NY

Client : ICE Service Group, Inc.

Lab Sample Number

Q3399-01
Q3399-02
Q3399-03
Q3399-04

Client Sample Number

COMP-ROLLOFF
COMP-ROLLOFF
COMP-ROLLOFF
COMP-ROLLOFF

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: 12/17/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

ICE Service Group, Inc.

Project Name: NWIRP Northrup Grumman Site – Bethpage, NY

Project # N/A

Order ID # Q3399

Test Name: Gasoline Range Organics

A. Number of Samples and Date of Receipt:

1 Solid sample was received on 10/20/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Gasoline Range Organics. This data package contains results for Gasoline Range Organics.

C. Analytical Techniques:

The analysis performed on instrument FID_B were done using GC column RTX502.2 which is 60 meters, 0.53mm ID, 3.0 um df, cat#10909. The analysis of Gasoline Range Organics was based on method 8015D.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis.

The Retention Times were met for all analysis.

The RPD were met for all analysis.

The Blank Spike met requirements for all compounds.

The Blank Spike Duplicate met requirements for all compounds.

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements.

E. Additional Comments:

The soil samples results are based on a dry weight basis.

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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



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Phone: 908 789 8900 Fax: 908 789 8922

above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

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DATA REPORTING QUALIFIERS- ORGANIC

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

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. “10 U”. This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This 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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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q3399

MATRIX: Solid

METHOD: 8015D/3541

	NA	NO	YES
1. Chromatograms Labeled/Compounds Identified.			✓
2. Standard Summary Submitted.			✓
3. Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis, 12 HOURS IF 8000 SERIES METHOD.			✓
4. Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
5. Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓
6. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range. The Blank Spike met requirements for all compounds. The Blank Spike Duplicate met requirements for all compounds. The RPD were met for all analysis.			✓
7. Retention Time Shift Meet Criteria (if applicable) Comments:			✓
8. Extraction Holding Time Met If not met, list number of days exceeded for each sample:		✓	
9. Analysis Holding Time Met If not met, list those compounds and their recoveries which fall outside the acceptable range. The Holding Times were met for all analysis.		✓	

ADDITIONAL COMMENTS:

The soil samples results are based on a dry weight basis.

QA REVIEW

Date



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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

NA NO YES

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3399

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: 12/17/2025

LAB CHRONICLE

OrderID:	Q3399	OrderDate:	10/20/2025 1:23:08 PM
Client:	ICE Service Group, Inc.	Project:	NWIRP Northrup Grumman Site – Bethpage, NY
Contact:	Dennis D. Morgan, II	Location:	D41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3399-01	COMP-ROLLOFF	SOIL			10/20/25			10/20/25
			Diesel Range Organics	8015D		10/22/25	10/22/25	
			Gasoline Range Organics	8015D			10/21/25	
			Herbicide	8151A		10/22/25	10/23/25	
			PCB	8082A		10/22/25	10/22/25	
			Pesticide-TCL	8081B		10/22/25	10/22/25	
Q3399-02	COMP-ROLLOFF	TCLP			10/20/25			10/20/25
			TCLP Herbicide	8151A		10/22/25	10/23/25	
			TCLP Pesticide	8081B		10/22/25	10/22/25	



QC SUMMARY

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SOIL GASOLINE RANGE ORGANICS SURROGATE RECOVERY

Lab Name: Alliance

Client: ICE Service Group, Inc.

Lab Code: ACE

SDG No.: Q3399

CLIENT ID	S1 AAA-TFT	S2	S3	S4	TOT OUT
VBFI021S1	102				0
BSFI021S1	109				0
COMP-ROLLOFF	92				0
BSFI021S2	105				0

QC LIMITS

AAA-TFT

For Water : 50-150

For Soil : 50-150

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate Diluted Out

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

Lab Name: Alliance **Client:** ICE Service Group, Inc.
Lab Code: ACE **SDG No:** Q3399
Client Sample ID : BSF1021S1 **Datafile:** FB032263.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS (%)
GRO	180	0	186	103	50-150

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

Lab Name: Alliance **Client:** ICE Service Group, Inc.
Lab Code: ACE **SDG No:** Q3399
Client Sample ID : BSF1021S2 **Datafile:** FB032265.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS (%)
GRO	180	0	189	105	50-150

LCS/LCSD % Recovery RPD : 1.6

METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

VBF1021S1

Lab Name: Alliance

Contract: ICES02

Lab Code: ACE

SDG NO.: Q3399

Lab File ID: FB032261.D

Lab Sample ID: VBF1021S1

Date Analyzed: 10/21/25

Time Analyzed: 10:05

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:

CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSF1021S1	BSF1021S1	FB032263.D	10/21/25
COMP-ROLLOFF	Q3399-01	FB032264.D	10/21/25
BSF1021S2	BSF1021S2	FB032265.D	10/21/25

COMMENTS: _____



SAMPLE DATA

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Report of Analysis

Client:	ICE Service Group, Inc.	Date Collected:	10/20/25
Project:	NWIRP Northrup Grumman Site – Bethpage, NY	Date Received:	10/20/25
Client Sample ID:	COMP-ROLLOFF	SDG No.:	Q3399
Lab Sample ID:	Q3399-01	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	89.9
Sample Wt/Vol:	5.05 g	Final Vol:	5 mL
		Test:	Gasoline Range Organics

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
GRO	GRO	10.0	U	1	9.00	10.0	50.0	ug/kg	10/21/25 11:41	FB102125
SURROGATES										
98-08-8	Alpha,Alpha,Alpha-Trifluor	18.5			50 - 150		92%	SPK: 20		

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

Q3399-Gasoline Range Organics

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\FB102125\
Data File : FB032264.D
Signal(s) : FID2B.CH
Acq On : 21 Oct 2025 11:41
Operator : YP/AJ
Sample : Q3399-01
Misc : 5.05G/5.00 ML DI WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
COMP-ROLLOFF

Integration File: Calibration.e
Quant Time: Oct 21 11:34:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB092225.M
Quant Title :
QLast Update : Mon Sep 22 12:16:10 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
5) s AAA-TFT	8.798	330478	18.463 ng/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

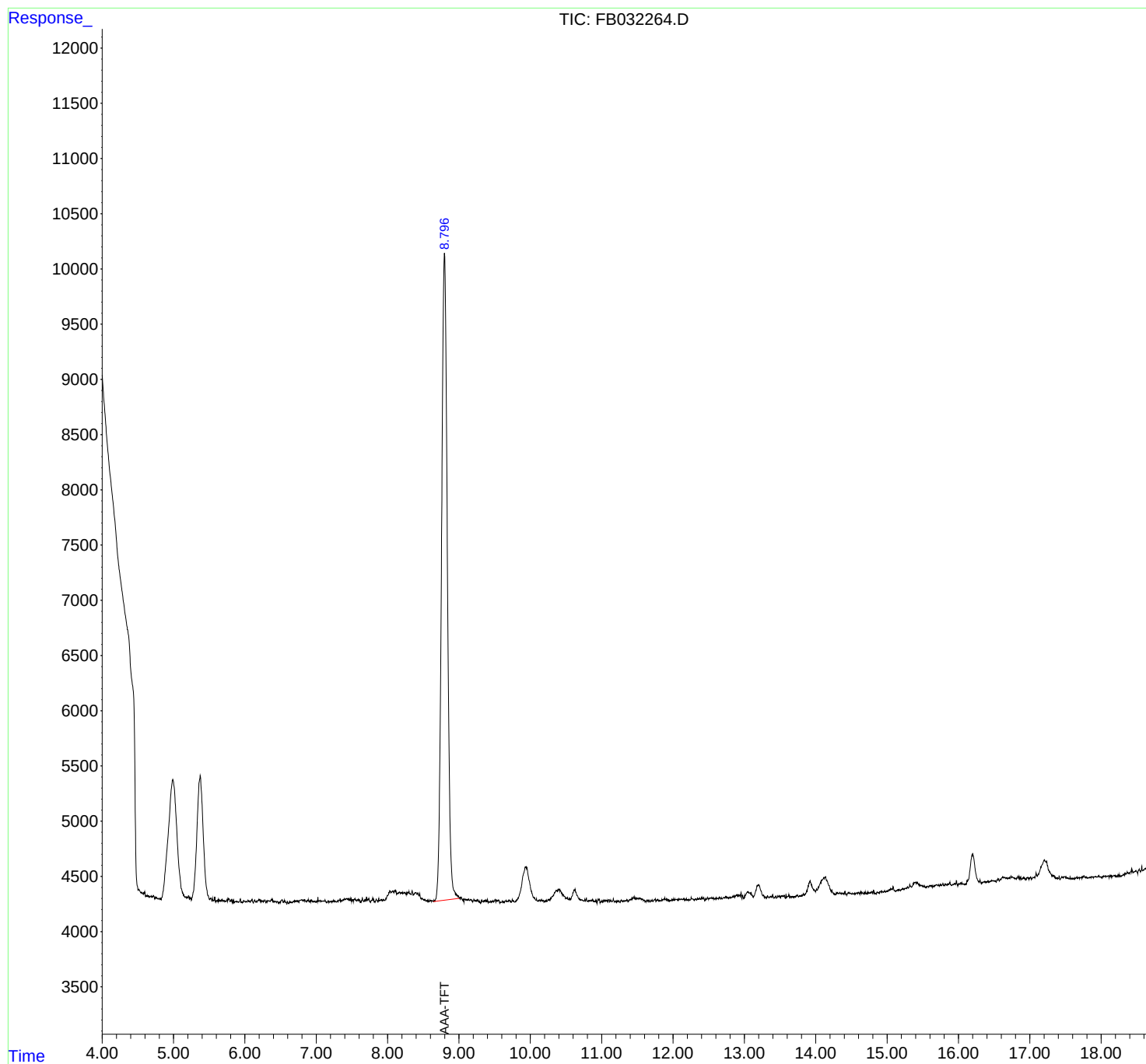
(m)=manual int.

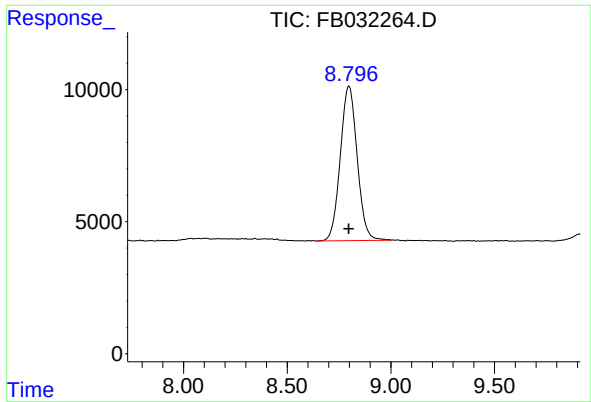
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB102125\
Data File : FB032264.D
Signal(s) : FID2B.CH
Acq On : 21 Oct 2025 11:41
Operator : YP/AJ
Sample : Q3399-01
Misc : 5.05G/5.00 ML DI WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
COMP-ROLLOFF

Integration File: Calibration.e
Quant Time: Oct 21 11:34:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB092225.M
Quant Title :
QLast Update : Mon Sep 22 12:16:10 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#5 AAA-TFT

R.T.: 8.798 min
Delta R.T.: 0.002 min
Response: 330478
Conc: 18.46 ng/ml

Instrument :
FID_B
ClientSampleId :
COMP-ROLLOFF

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Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB102125\
Data File : FB032264.D
Signal(s) : FID2B.CH
Acq On : 21 Oct 2025 11:41
Sample : Q3399-03
Misc : 5.05G/5.00 ML DI WATER
ALS Vial : 1 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB092225.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.515	4.470	4.582	BV	-269	-10371	-3.06%	-1.892%
2	4.631	4.615	4.699	PV	15	380	0.11%	0.069%
3	4.720	4.699	4.741	VV	24	323	0.10%	0.059%
4	4.755	4.741	4.785	PV	15	163	0.05%	0.030%
5	5.211	5.200	5.249	VV	44	809	0.24%	0.148%
6	5.524	5.514	5.563	VV	34	643	0.19%	0.117%
7	5.578	5.563	5.593	VV	46	321	0.09%	0.059%
8	5.680	5.593	5.737	VV	29	1334	0.39%	0.243%
9	5.774	5.737	5.796	VV	35	840	0.25%	0.153%
10	5.815	5.796	5.829	VV	30	392	0.12%	0.072%
11	5.839	5.829	5.854	PV	18	199	0.06%	0.036%
12	5.936	5.854	5.968	VV	39	940	0.28%	0.171%
13	5.989	5.968	6.032	VV	22	581	0.17%	0.106%
14	6.045	6.032	6.076	VV	25	466	0.14%	0.085%
15	6.099	6.076	6.121	VV	34	525	0.15%	0.096%
16	6.137	6.121	6.168	VV	31	521	0.15%	0.095%
17	6.207	6.168	6.257	VV	36	1301	0.38%	0.237%
18	6.280	6.257	6.299	VV	34	512	0.15%	0.093%
19	6.337	6.299	6.354	VV	26	736	0.22%	0.134%
20	6.373	6.354	6.477	VV	42	1548	0.46%	0.282%
21	6.522	6.477	6.540	VV	36	794	0.23%	0.145%
22	6.555	6.540	6.589	VV	27	523	0.15%	0.095%
23	6.599	6.589	6.616	PV	20	177	0.05%	0.032%
24	6.631	6.616	6.663	VV	18	402	0.12%	0.073%
25	6.714	6.663	6.758	VV	30	1294	0.38%	0.236%
26	6.797	6.758	6.813	VV	38	1037	0.31%	0.189%
27	6.934	6.923	6.994	VV	34	965	0.28%	0.176%
28	7.024	6.994	7.081	VV	54	1341	0.40%	0.245%
29	7.123	7.081	7.149	VV	33	947	0.28%	0.173%
30	7.169	7.149	7.195	VV	23	483	0.14%	0.088%
31	7.243	7.195	7.285	VV	29	1132	0.33%	0.206%
32	7.335	7.285	7.365	VV	46	1285	0.38%	0.235%
33	7.442	7.365	7.479	VV	48	2680	0.79%	0.489%
34	7.487	7.479	7.526	VV	40	947	0.28%	0.173%
35	7.541	7.526	7.571	VV	42	939	0.28%	0.171%
36	7.590	7.571	7.626	VV	42	992	0.29%	0.181%

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37	7.648	7.626	7.667	VV	48	704	0.21%	0.128%
38	7.705	7.667	7.718	VV	60	1060	0.31%	0.193%
39	7.734	7.718	7.763	VV	40	828	0.24%	0.151%
40	7.793	7.763	7.816	VV	48	937	0.28%	0.171%
41	7.843	7.816	7.869	VV	38	818	0.24%	0.149%
42	7.878	7.869	7.894	VV	44	452	0.13%	0.082%
43	7.911	7.894	7.928	VV	37	641	0.19%	0.117%
44	7.943	7.928	7.960	VV	37	621	0.18%	0.113%
45	8.034	7.960	8.050	VV	116	4016	1.18%	0.733%
46	8.101	8.050	8.133	VV	123	5378	1.59%	0.981%
47	8.168	8.133	8.218	VV	103	4886	1.44%	0.891%
48	8.239	8.218	8.260	VV	97	2412	0.71%	0.440%
49	8.299	8.260	8.331	VV	105	3925	1.16%	0.716%
50	8.345	8.331	8.363	VV	115	1800	0.53%	0.328%
51	8.395	8.363	8.581	VV	100	7495	2.21%	1.367%
52	8.627	8.581	8.645	VV	28	868	0.26%	0.158%
53	8.798	8.645	9.071	VV	5885	339069	100.00%	61.859%
54	9.085	9.071	9.122	VV	37	1019	0.30%	0.186%
55	9.137	9.122	9.152	VV	40	594	0.18%	0.108%
56	9.166	9.152	9.194	VV	36	703	0.21%	0.128%
57	9.212	9.194	9.255	VV	35	896	0.26%	0.164%
58	9.263	9.255	9.305	VV	36	505	0.15%	0.092%
59	9.324	9.305	9.341	PV	28	400	0.12%	0.073%
60	9.371	9.341	9.430	VV	27	1072	0.32%	0.196%
61	9.508	9.430	9.603	VV	30	1865	0.55%	0.340%
62	9.707	9.603	9.739	VV	30	1391	0.41%	0.254%
63	9.751	9.739	9.787	VV	27	522	0.15%	0.095%
64	9.934	9.787	10.103	VV	323	26318	7.76%	4.801%
65	10.127	10.103	10.201	VV	31	1334	0.39%	0.243%
66	10.216	10.201	10.237	VV	23	395	0.12%	0.072%
67	10.397	10.237	10.569	VV	128	13571	4.00%	2.476%
68	10.627	10.569	10.772	VV	124	6914	2.04%	1.261%
69	10.786	10.772	10.803	VV	43	475	0.14%	0.087%
70	10.823	10.803	10.854	VV	27	618	0.18%	0.113%
71	10.870	10.854	10.902	VV	27	545	0.16%	0.099%
72	10.921	10.902	10.939	VV	29	355	0.10%	0.065%
73	10.953	10.939	10.992	PV	34	630	0.19%	0.115%
74	11.039	10.992	11.092	VV	23	967	0.29%	0.176%
75	11.103	11.092	11.118	VV	30	312	0.09%	0.057%
76	11.130	11.118	11.145	VV	19	237	0.07%	0.043%
77	11.165	11.145	11.209	VV	34	537	0.16%	0.098%
78	11.241	11.209	11.256	VV	19	308	0.09%	0.056%
79	11.277	11.256	11.312	VV	25	454	0.13%	0.083%
80	11.356	11.312	11.371	VV	24	541	0.16%	0.099%
81	11.451	11.371	11.481	VV	46	1959	0.58%	0.357%
82	11.497	11.481	11.620	VV	39	2249	0.66%	0.410%
83	11.635	11.620	11.682	VV	19	404	0.12%	0.074%
84	11.749	11.682	11.765	PV	24	615	0.18%	0.112%
85	11.787	11.765	11.841	VV	21	565	0.17%	0.103%
86	11.886	11.841	11.956	VV	35	1186	0.35%	0.216%
87	12.008	11.956	12.080	VV	21	1027	0.30%	0.187%
88	12.115	12.080	12.133	VV	21	552	0.16%	0.101%
89	12.146	12.133	12.175	VV	18	375	0.11%	0.068%

					rters				
90	12.189	12.175	12.239	VV	24	463	0.14%	0.085%	
91	12.259	12.239	12.302	VV	24	627	0.18%	0.114%	
92	12.318	12.302	12.331	VV	19	245	0.07%	0.045%	
93	12.375	12.331	12.395	VV	25	665	0.20%	0.121%	
94	12.405	12.395	12.422	VV	32	360	0.11%	0.066%	
95	12.431	12.422	12.448	VV	31	253	0.07%	0.046%	
96	12.487	12.448	12.501	PV	25	494	0.15%	0.090%	
97	12.536	12.501	12.603	VV	25	1111	0.33%	0.203%	
98	12.653	12.603	12.692	VV	26	879	0.26%	0.160%	
99	12.741	12.692	12.779	VV	32	1111	0.33%	0.203%	
100	12.890	12.779	12.928	VV	41	2525	0.74%	0.461%	
101	12.953	12.928	12.996	VV	62	1266	0.37%	0.231%	
102	13.052	12.996	13.126	VV	67	3554	1.05%	0.648%	
103	13.200	13.126	13.301	VV	129	6667	1.97%	1.216%	
104	13.328	13.301	13.346	VV	23	340	0.10%	0.062%	
105	13.397	13.346	13.424	VV	31	622	0.18%	0.114%	
106	13.440	13.424	13.454	VV	21	179	0.05%	0.033%	
107	13.492	13.454	13.507	VV	21	405	0.12%	0.074%	
108	13.558	13.507	13.597	PV	21	702	0.21%	0.128%	
109	13.623	13.597	13.661	VV	29	336	0.10%	0.061%	
110	13.673	13.661	13.689	PV	7	96	0.03%	0.018%	
111	13.743	13.689	13.760	VV	19	406	0.12%	0.074%	
112	13.920	13.760	13.996	VV	142	7811	2.30%	1.425%	
113	14.136	13.996	14.276	VV	176	15659	4.62%	2.857%	
114	14.299	14.276	14.323	VV	23	521	0.15%	0.095%	
115	14.339	14.323	14.399	VV	25	800	0.24%	0.146%	
116	14.411	14.399	14.438	VV	36	404	0.12%	0.074%	
117	14.459	14.438	14.555	VV	20	861	0.25%	0.157%	
118	14.569	14.555	14.584	VV	15	215	0.06%	0.039%	
119	14.598	14.584	14.624	VV	23	322	0.09%	0.059%	
120	14.640	14.624	14.727	VV	24	662	0.20%	0.121%	
121	14.742	14.727	14.757	VV	10	197	0.06%	0.036%	
122	14.812	14.757	14.838	VV	34	659	0.19%	0.120%	
123	14.865	14.838	14.891	PV	12	196	0.06%	0.036%	
124	14.923	14.891	14.948	VV	21	449	0.13%	0.082%	
125	14.964	14.948	14.983	VV	19	239	0.07%	0.044%	
126	15.086	14.983	15.122	VV	51	1754	0.52%	0.320%	
127	15.321	15.122	15.345	VV	47	2798	0.83%	0.511%	
128	15.400	15.345	15.546	VV	71	5164	1.52%	0.942%	
129	15.697	15.546	15.735	VV	30	2316	0.68%	0.422%	
130	15.782	15.735	15.798	VV	30	848	0.25%	0.155%	
131	15.821	15.798	15.836	VV	22	453	0.13%	0.083%	
132	15.877	15.836	15.905	VV	31	874	0.26%	0.160%	
133	15.973	15.905	16.089	VV	45	1767	0.52%	0.322%	
134	16.198	16.089	16.289	VV	264	13128	3.87%	2.395%	
135	16.302	16.289	16.323	VV	30	306	0.09%	0.056%	

Sum of corrected areas: 548130

FB092225.M Thu Oct 23 00:26:53 2025



CALIBRATION SUMMARY

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GASOLINE RANGE ORGANICS INITIAL CALIBRATION SUMMARY

Lab Name: Alliance Contract: ICES02
 ProjectID: NWIRP Northrup Grumman Site – Bethpage, NY
 Lab Code: ACE SDG No.: Q3399

Calibration Sequence : FB092225		Test : Gasoline Range Organics	
Concentration (PPB)	Area Count	Reference Factor	File ID
45	1341516	29811	FB032214.D
90	2850195	31669	FB032215.D
180	5675270	31529	FB032216.D
450	14166602	31481	FB032217.D
900	28726009	31918	FB032218.D
AVG RF : 31282		% RSD : 2.683	AVG RT : 8.7958

GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Alliane Contract: ICES02
 ProjectID: NWIRP Northrup Grumman Site – Bethp
 Lab Code: ACE SDG No.: Q3399
 DataFile: FB032260.D Analyst Name: YP/AJ Analyst Date: 10-21-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	5807221	32262	31282	3.133

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Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB102125\
 Data File : FB032260.D
 Signal(s) : FID2B.CH
 Acq On : 21 Oct 2025 9:17
 Operator : YP/AJ
 Sample : 20 PPB GRO STD
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 FID_B
 ClientSampleId :
 20 PPB GRO STD

Integration File: Calibration.e
 Quant Time: Oct 21 11:32:55 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB092225.M
 Quant Title :
 QLast Update : Mon Sep 22 12:16:10 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	380805	21.275 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.710	817400	30.267 ng/ml
2) t 2,2,4-Trimethylpentane	7.417	960219	33.992 ng/ml
3) t n-Heptane	7.750	305102	11.166 ng/ml
4) t Benzene	7.888	372308	10.302 ng/ml
6) t Toluene	10.619	1090475	29.278 ng/ml
7) t Ethylbenzene	13.055	333465	10.201 ng/ml
8) t m-Xylene	13.189	689128	20.218 ng/ml
9) t O-Xylene	13.916	660231	20.219 ng/ml
10) t 1,2,4-Trimethylbenzene	16.191	578893	20.696 ng/ml

(f)=RT Delta > 1/2 Window

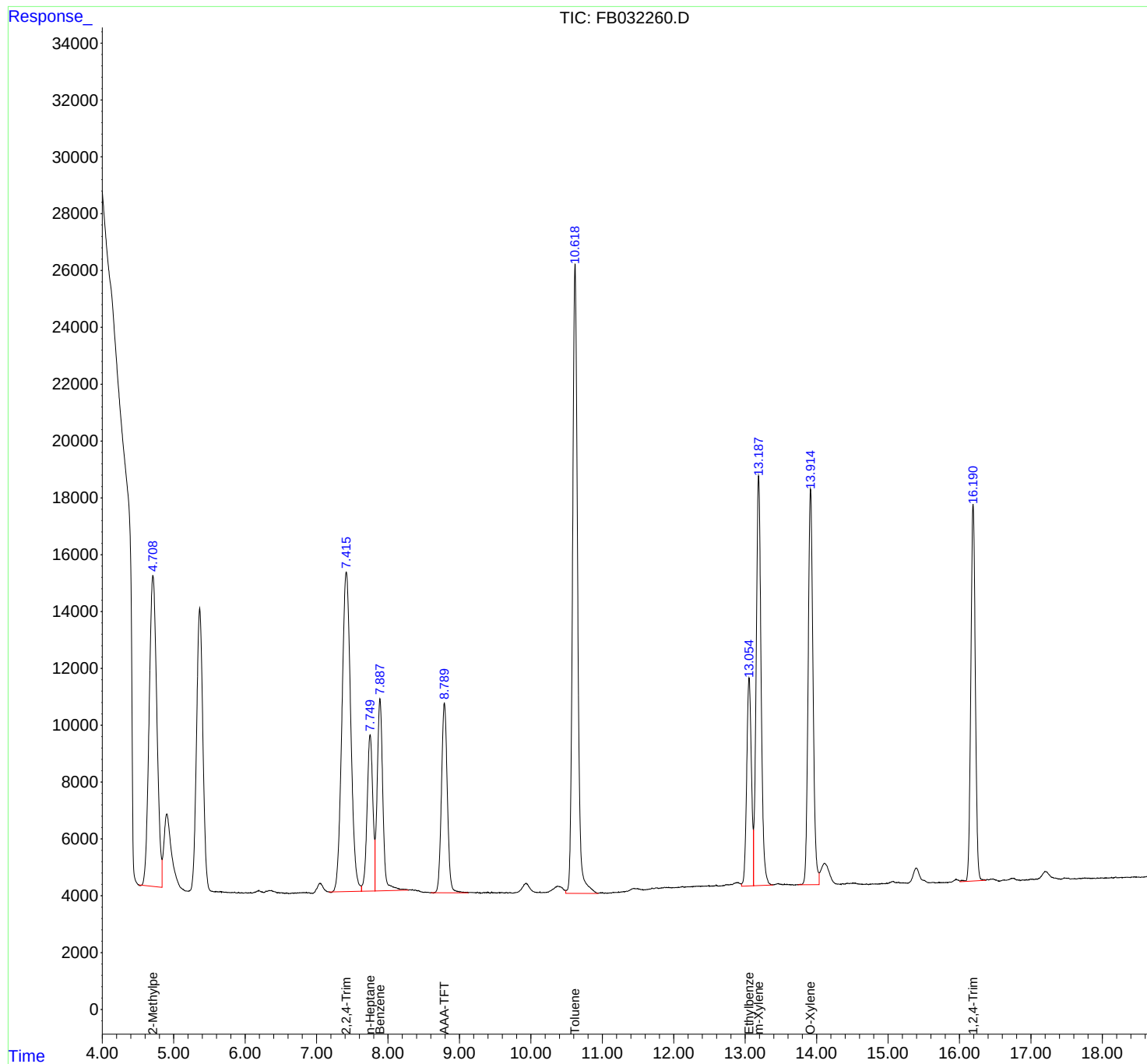
(m)=manual int.

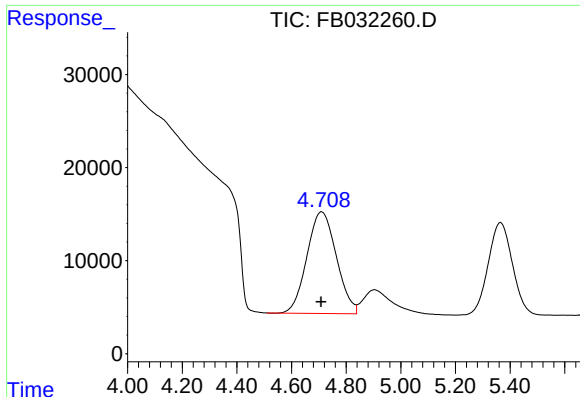
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB102125\
Data File : FB032260.D
Signal(s) : FID2B.CH
Acq On : 21 Oct 2025 9:17
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Oct 21 11:32:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB092225.M
Quant Title :
QLast Update : Mon Sep 22 12:16:10 2025
Response via : Initial Calibration
Integrator: ChemStation

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

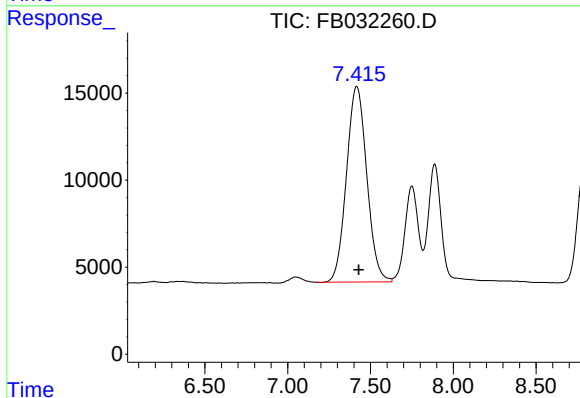




#1 2-Methylpentane

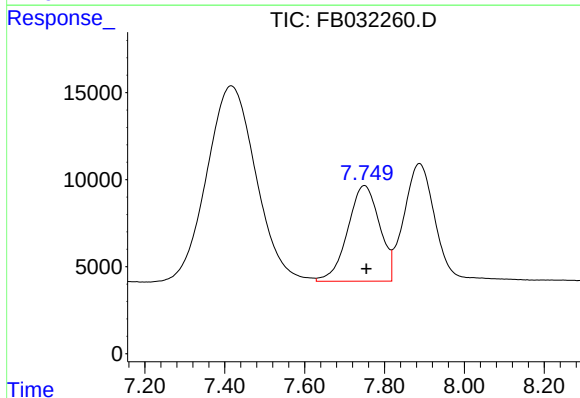
R.T.: 4.710 min
Delta R.T.: 0.000 min
Response: 817400
Conc: 30.27 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



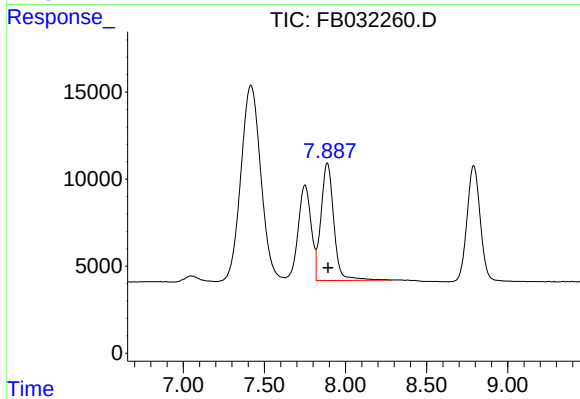
#2 2,2,4-Trimethylpentane

R.T.: 7.417 min
Delta R.T.: -0.013 min
Response: 960219
Conc: 33.99 ng/ml



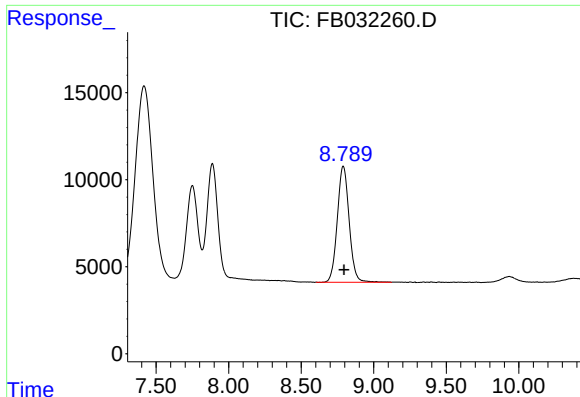
#3 n-Heptane

R.T.: 7.750 min
Delta R.T.: -0.004 min
Response: 305102
Conc: 11.17 ng/ml



#4 Benzene

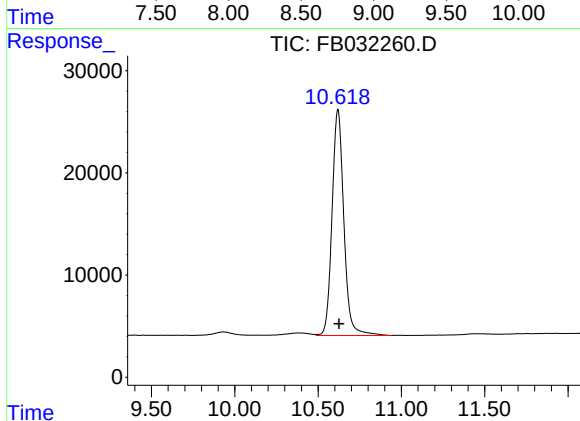
R.T.: 7.888 min
Delta R.T.: -0.005 min
Response: 372308
Conc: 10.30 ng/ml



#5 AAA-TFT

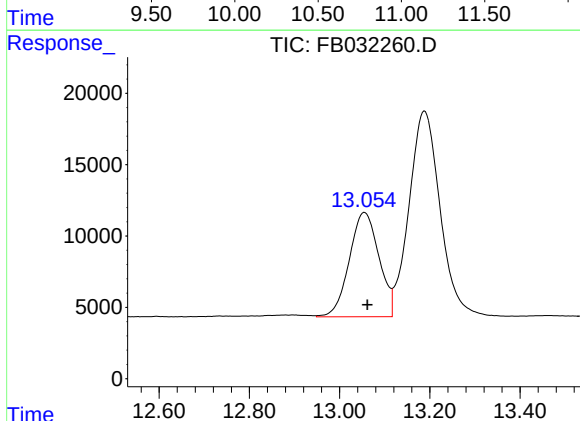
R.T.: 8.790 min
Delta R.T.: -0.006 min
Response: 380805
Conc: 21.27 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



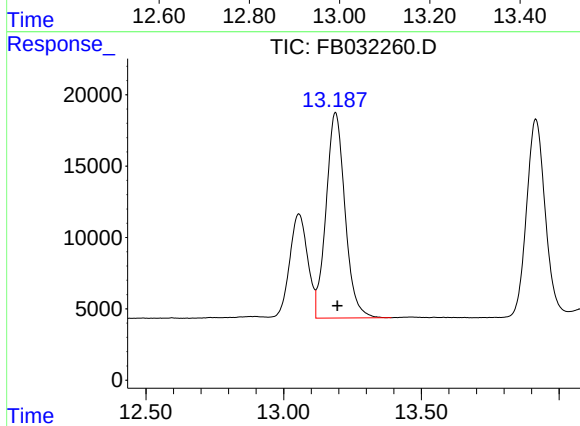
#6 Toluene

R.T.: 10.619 min
Delta R.T.: -0.006 min
Response: 1090475
Conc: 29.28 ng/ml



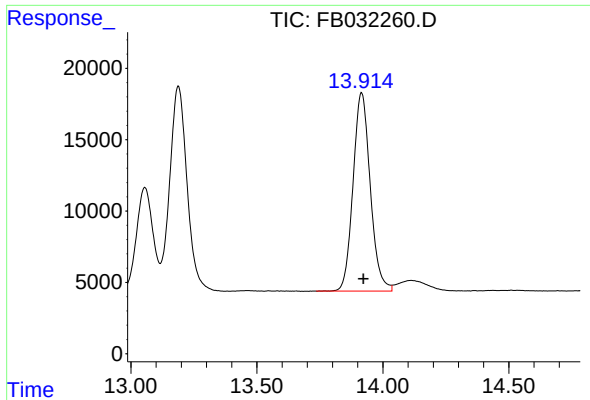
#7 Ethylbenzene

R.T.: 13.055 min
Delta R.T.: -0.006 min
Response: 333465
Conc: 10.20 ng/ml



#8 m-Xylene

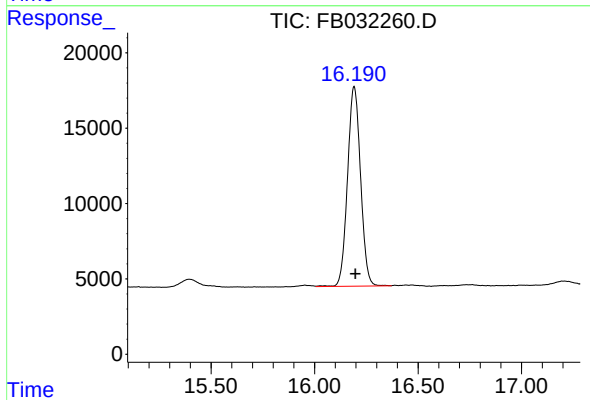
R.T.: 13.189 min
Delta R.T.: -0.007 min
Response: 689128
Conc: 20.22 ng/ml



#9 O-Xylene

R.T.: 13.916 min
Delta R.T.: -0.007 min
Response: 660231
Conc: 20.22 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



#10 1,2,4-Trimethylbenzene

R.T.: 16.191 min
Delta R.T.: -0.006 min
Response: 578893
Conc: 20.70 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB102125\
Data File : FB032260.D
Signal(s) : FID2B.CH
Acq On : 21 Oct 2025 9:17
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB092225.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.710	4.509	4.838	BV	10941	817400	74.96%	13.209%
2	7.417	7.173	7.629	BV	11249	960219	88.06%	15.517%
3	7.750	7.629	7.818	VV	5500	305102	27.98%	4.931%
4	7.888	7.818	8.284	VB	6762	372308	34.14%	6.017%
5	8.790	8.604	9.124	BB	6678	380805	34.92%	6.154%
6	10.619	10.488	10.942	VV	22148	1090475	100.00%	17.622%
7	13.055	12.948	13.116	VV	7317	333465	30.58%	5.389%
8	13.189	13.116	13.391	VV	14408	689128	63.20%	11.136%
9	13.916	13.736	14.036	BV	13905	660231	60.55%	10.669%
10	16.191	16.007	16.372	VV	13250	578893	53.09%	9.355%

Sum of corrected areas: 6188028

FB092225.M Thu Oct 23 00:24:31 2025

GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Alliane Contract: ICES02
ProjectID: NWIRP Northrup Grumman Site – Bethp
Lab Code: ACE SDG No.: Q3399
DataFile: FB032266.D Analyst Name: YP/AJ Analyst Date: 10-21-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	5857772	32543	31282	4.031

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB102125\
 Data File : FB032266.D
 Signal(s) : FID2B.CH
 Acq On : 21 Oct 2025 13:27
 Operator : YP/AJ
 Sample : 20 PPB GRO STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_B
 ClientSampleId :
 20 PPB GRO STD

Integration File: Calibration.e
 Quant Time: Oct 23 17:09:44 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB092225.M
 Quant Title :
 QLast Update : Mon Sep 22 12:16:10 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
5) s AAA-TFT	8.798	340433	19.019 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.717	853122	31.590 ng/ml
2) t 2,2,4-Trimethylpentane	7.425	981473	34.744 ng/ml
3) t n-Heptane	7.758	305222	11.171 ng/ml
4) t Benzene	7.896	371962	10.292 ng/ml
6) t Toluene	10.627	1099611	29.524 ng/ml
7) t Ethylbenzene	13.063	326487	9.988 ng/ml
8) t m-Xylene	13.196	683772	20.061 ng/ml
9) t O-Xylene	13.923	672328	20.589 ng/ml
10) t 1,2,4-Trimethylbenzene	16.198	563795	20.156 ng/ml

(f)=RT Delta > 1/2 Window

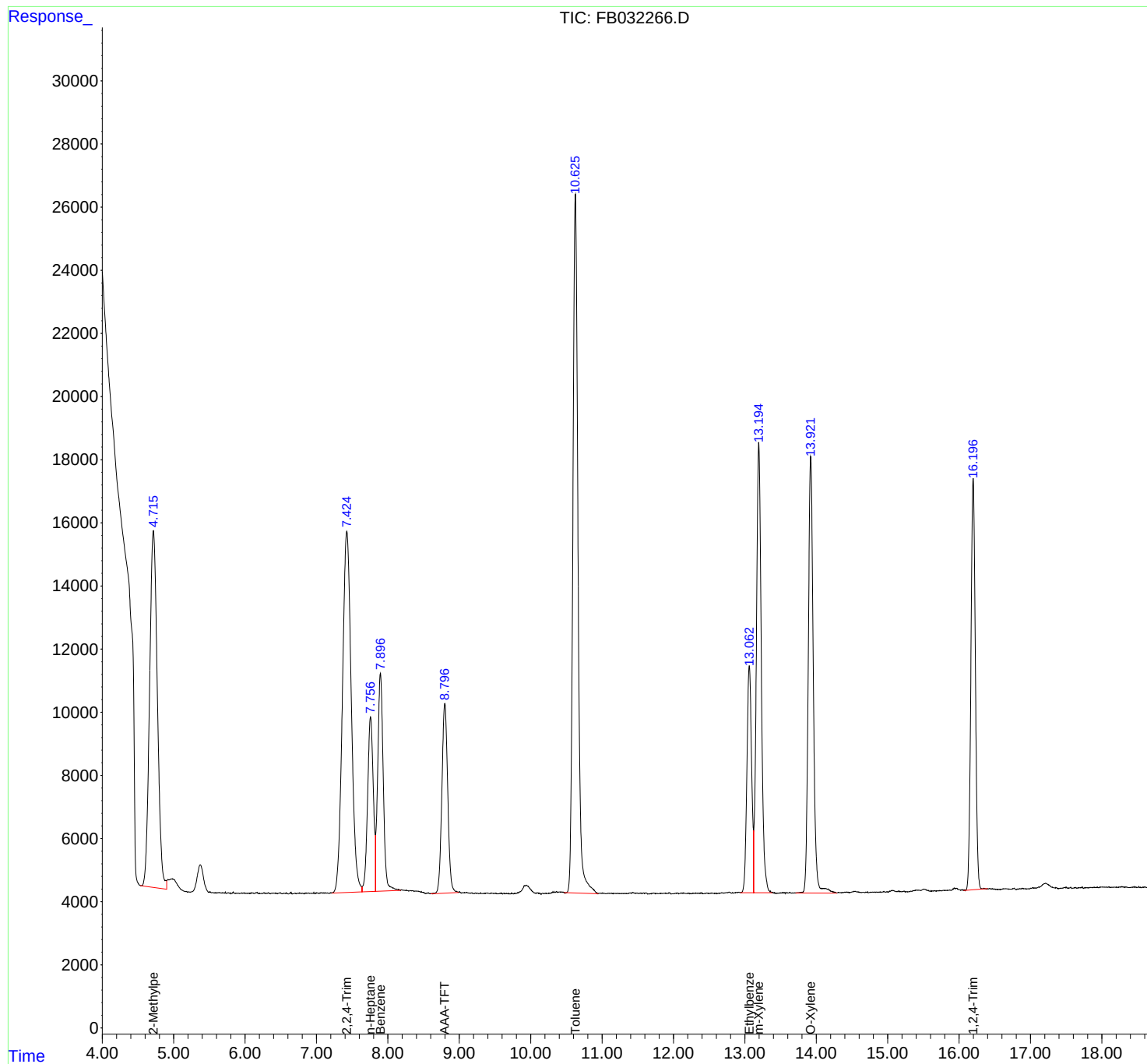
(m)=manual int.

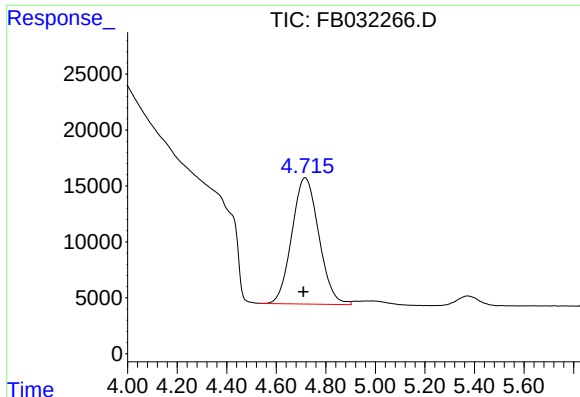
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB102125\
Data File : FB032266.D
Signal(s) : FID2B.CH
Acq On : 21 Oct 2025 13:27
Operator : YP/AJ
Sample : 20 PPB GRO STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD

Integration File: Calibration.e
Quant Time: Oct 23 17:09:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB092225.M
Quant Title :
QLast Update : Mon Sep 22 12:16:10 2025
Response via : Initial Calibration
Integrator: ChemStation

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

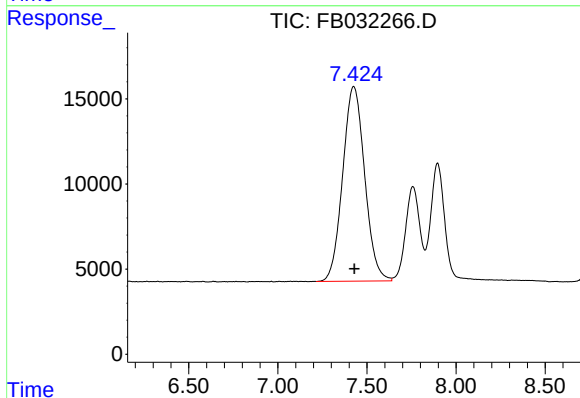




#1 2-Methylpentane

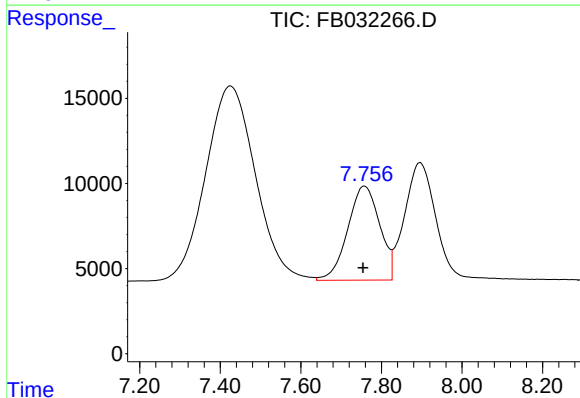
R.T.: 4.717 min
Delta R.T.: 0.008 min
Response: 853122
Conc: 31.59 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



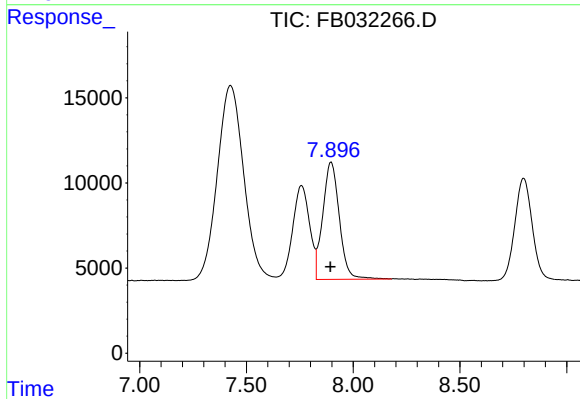
#2 2,2,4-Trimethylpentane

R.T.: 7.425 min
Delta R.T.: -0.005 min
Response: 981473
Conc: 34.74 ng/ml



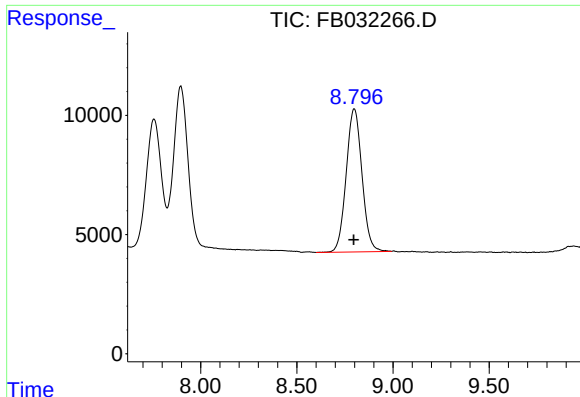
#3 n-Heptane

R.T.: 7.758 min
Delta R.T.: 0.003 min
Response: 305222
Conc: 11.17 ng/ml



#4 Benzene

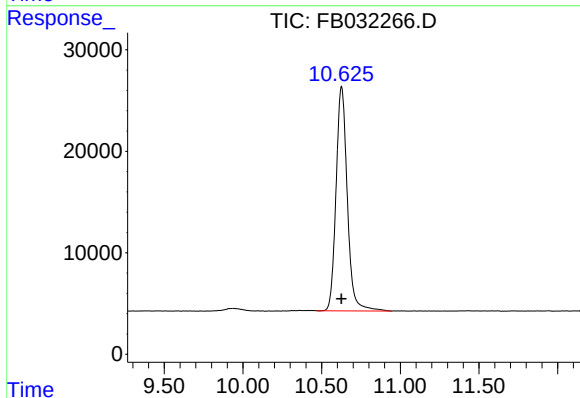
R.T.: 7.896 min
Delta R.T.: 0.003 min
Response: 371962
Conc: 10.29 ng/ml



#5 AAA-TFT

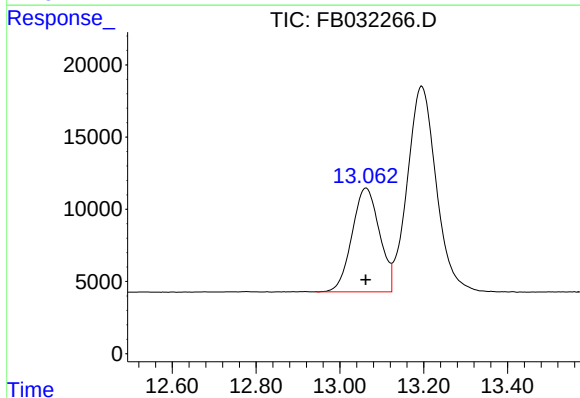
R.T.: 8.798 min
Delta R.T.: 0.002 min
Response: 340433
Conc: 19.02 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



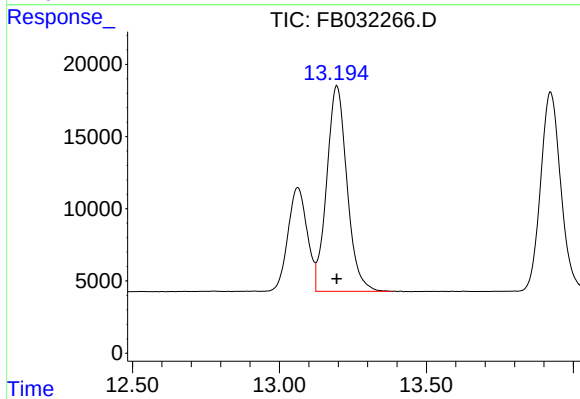
#6 Toluene

R.T.: 10.627 min
Delta R.T.: 0.000 min
Response: 1099611
Conc: 29.52 ng/ml



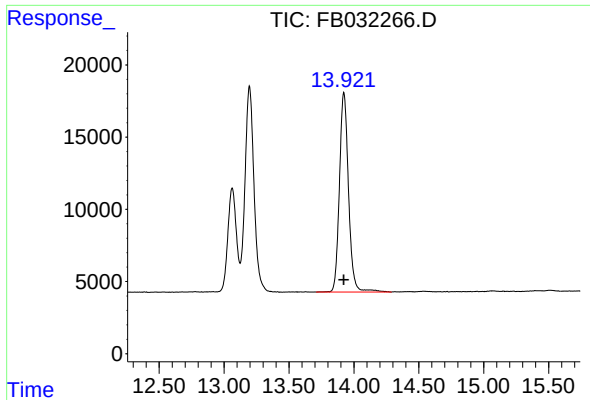
#7 Ethylbenzene

R.T.: 13.063 min
Delta R.T.: 0.000 min
Response: 326487
Conc: 9.99 ng/ml



#8 m-Xylene

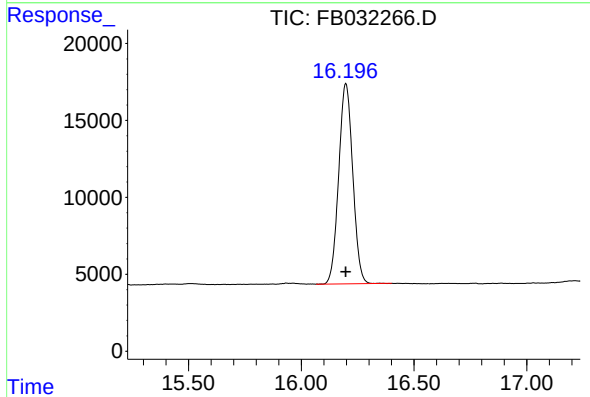
R.T.: 13.196 min
Delta R.T.: 0.000 min
Response: 683772
Conc: 20.06 ng/ml



#9 O-Xylene

R.T.: 13.923 min
Delta R.T.: 0.000 min
Response: 672328
Conc: 20.59 ng/ml

Instrument :
FID_B
ClientSampleId :
20 PPB GRO STD



#10 1,2,4-Trimethylbenzene

R.T.: 16.198 min
Delta R.T.: 0.000 min
Response: 563795
Conc: 20.16 ng/ml

Analytical Sequence

Client: ICE Service Group, Inc.

SDG No.: Q3399

Project: NWIRP Northrup Grumman Site – Bethpage, NY

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 8.7958					
CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE AND TIME ANALYZED	DATAFILE	RT	#
20 PPB GRO STD	20 PPB GRO STD	21 Oct 2025 9:17	FB032260.D	8.790	
VBF1021S1	VBF1021S1	21 Oct 2025 10:05	FB032261.D	8.794	
BSF1021S1	BSF1021S1	21 Oct 2025 11:00	FB032263.D	8.797	
COMP-ROLLOFF	Q3399-01	21 Oct 2025 11:41	FB032264.D	8.798	
BSF1021S2	BSF1021S2	21 Oct 2025 12:32	FB032265.D	8.797	
20 PPB GRO STD	20 PPB GRO STD	21 Oct 2025 13:27	FB032266.D	8.798	

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

QC Limits
(± 0.10 minutes)

Lower Limit
8.6958

Upper Limits
8.8958



QC SAMPLE DATA

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Report of Analysis

Client:	ICE Service Group, Inc.	Date Collected:	
Project:	NWIRP Northrup Grumman Site – Bethpage, NY	Date Received:	
Client Sample ID:	VBF1021S1	SDG No.:	Q3399
Lab Sample ID:	VBF1021S1	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	100
Sample Wt/Vol:	5 g	Test:	Gasoline Range Organics
	Final Vol: 5 mL		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
GRO	GRO	9.00	U	1	8.00	9.00	45.0	ug/kg	10/21/25 10:05	FB102125
SURROGATES										
98-08-8	Alpha,Alpha,Alpha-Trifluor	20.4			50 - 150		102%	SPK: 20		

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

Q3399-Gasoline Range Organics

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\FB102125\
Data File : FB032261.D
Signal(s) : FID2B.CH
Acq On : 21 Oct 2025 10:05
Operator : YP/AJ
Sample : VBF1021S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF1021S1

Integration File: Calibration.e
Quant Time: Oct 21 11:33:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB092225.M
Quant Title :
QLast Update : Mon Sep 22 12:16:10 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	365381	20.413 ng/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

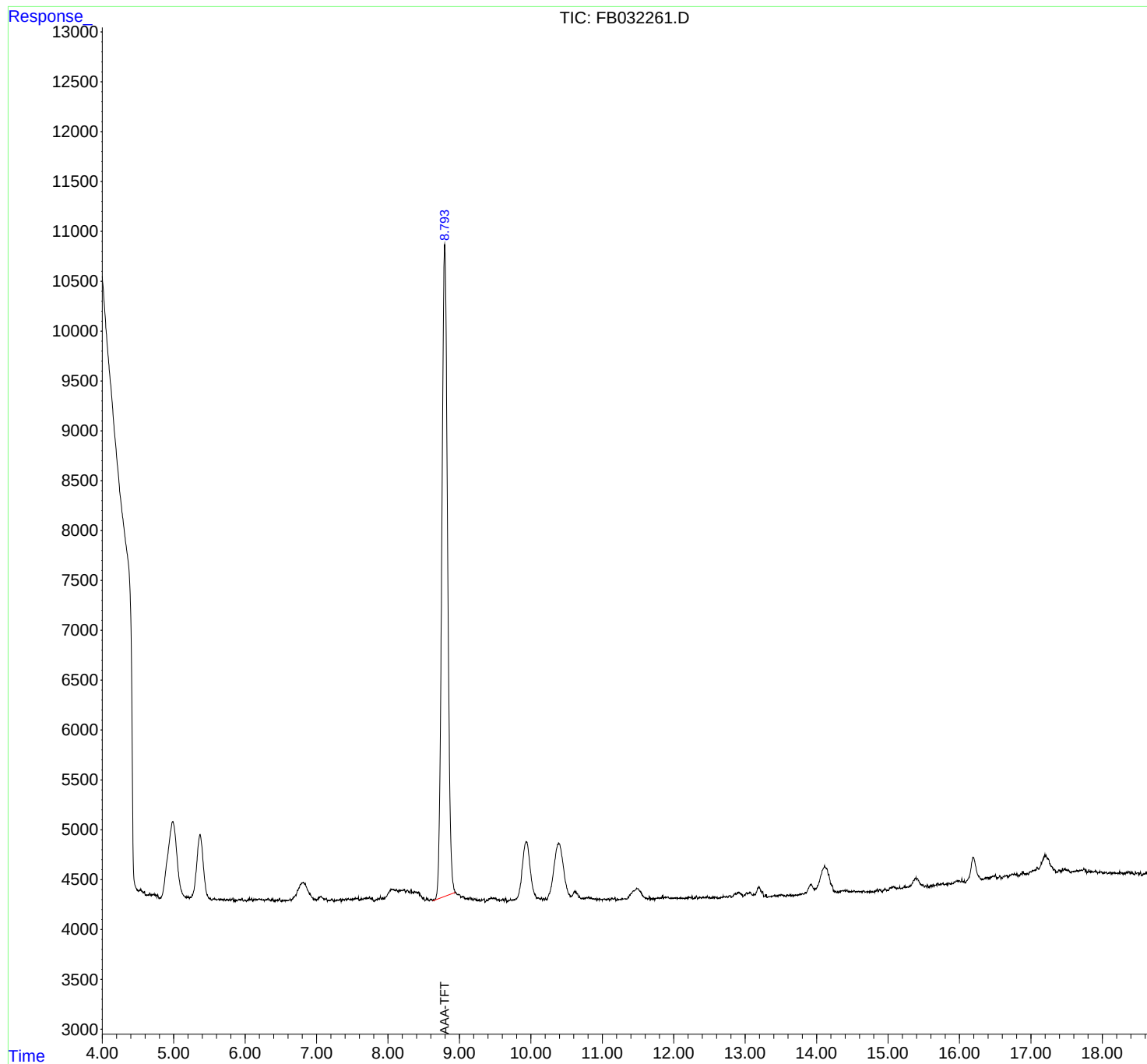
(m)=manual int.

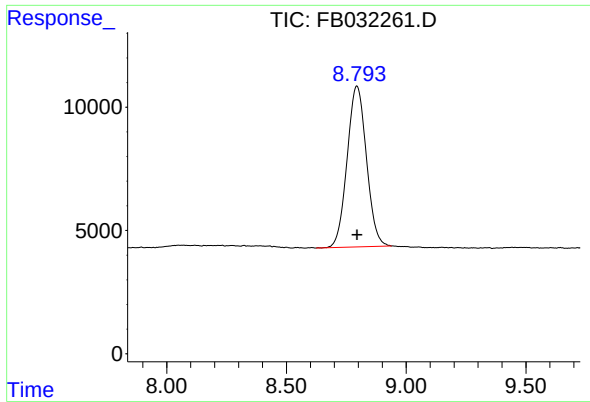
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB102125\
Data File : FB032261.D
Signal(s) : FID2B.CH
Acq On : 21 Oct 2025 10:05
Operator : YP/AJ
Sample : VBF1021S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF1021S1

Integration File: Calibration.e
Quant Time: Oct 21 11:33:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB092225.M
Quant Title :
QLast Update : Mon Sep 22 12:16:10 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#5 AAA-TFT

R.T.: 8.794 min
Delta R.T.: -0.002 min
Response: 365381
Conc: 20.41 ng/ml

Instrument :
FID_B
ClientSampleId :
VBF1021S1

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Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB102125\
Data File : FB032261.D
Signal(s) : FID2B.CH
Acq On : 21 Oct 2025 10:05
Sample : VBF1021S1
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\FB092225.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	8.794	8.623	8.939	PV	6533	365381	100.00%	100.000%
Sum of corrected areas:						365381		

FB092225.M Thu Oct 23 00:24:54 2025

Report of Analysis

Client:	ICE Service Group, Inc.	Date Collected:	
Project:	NWIRP Northrup Grumman Site – Bethpage, NY	Date Received:	
Client Sample ID:	BSF1021S1	SDG No.:	Q3399
Lab Sample ID:	BSF1021S1	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	100
Sample Wt/Vol:	5 g	Test:	Gasoline Range Organics
	Final Vol: 5 mL		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
GRO	GRO	186		1	8.00	9.00	45.0	ug/kg	10/21/25 11:00	FB102125
SURROGATES										
98-08-8	Alpha,Alpha,Alpha-Trifluor	21.9			50 - 150		109%	SPK: 20		

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

Q3399-Gasoline Range Organics

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\FB102125\
 Data File : FB032263.D
 Signal(s) : FID2B.CH
 Acq On : 21 Oct 2025 11:00
 Operator : YP/AJ
 Sample : BSF1021S1
 Misc : 5.00G/5.00 ML DI WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 FID_B
 ClientSampleId :
 BSF1021S1

Integration File: Calibration.e
 Quant Time: Oct 21 11:33:51 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB092225.M
 Quant Title :
 QLast Update : Mon Sep 22 12:16:10 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
5) s AAA-TFT	8.797	391083	21.849 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.715	841765	31.169 ng/ml
2) t 2,2,4-Trimethylpentane	7.424	974206	34.487 ng/ml
3) t n-Heptane	7.756	299396	10.958 ng/ml
4) t Benzene	7.895	374754	10.370 ng/ml
6) t Toluene	10.625	1105455	29.681 ng/ml
7) t Ethylbenzene	13.061	328594	10.052 ng/ml
8) t m-Xylene	13.194	686551	20.143 ng/ml
9) t O-Xylene	13.921	663178	20.309 ng/ml
10) t 1,2,4-Trimethylbenzene	16.196	559814	20.014 ng/ml

(f)=RT Delta > 1/2 Window

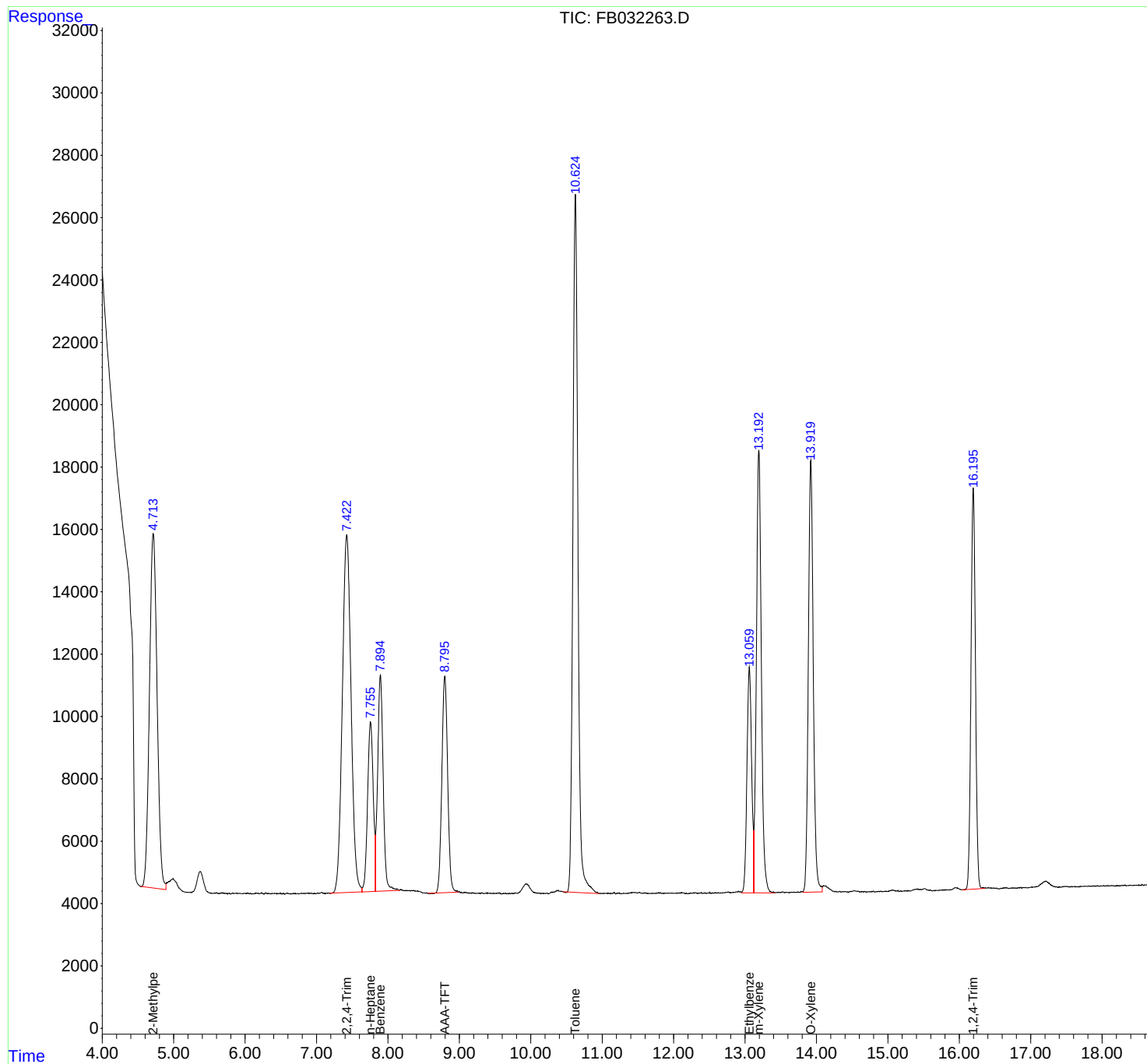
(m)=manual int.

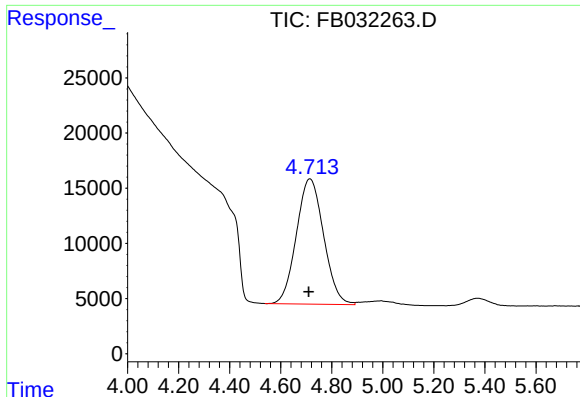
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB102125\
Data File : FB032263.D
Signal(s) : FID2B.CH
Acq On : 21 Oct 2025 11:00
Operator : YP/AJ
Sample : BSF1021S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF1021S1

Integration File: Calibration.e
Quant Time: Oct 21 11:33:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB092225.M
Quant Title :
QLast Update : Mon Sep 22 12:16:10 2025
Response via : Initial Calibration
Integrator: ChemStation

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

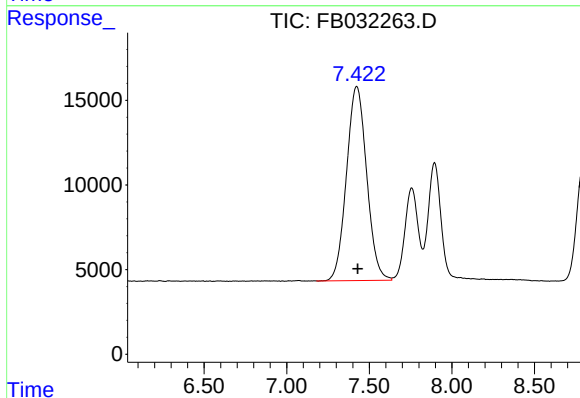




#1 2-Methylpentane

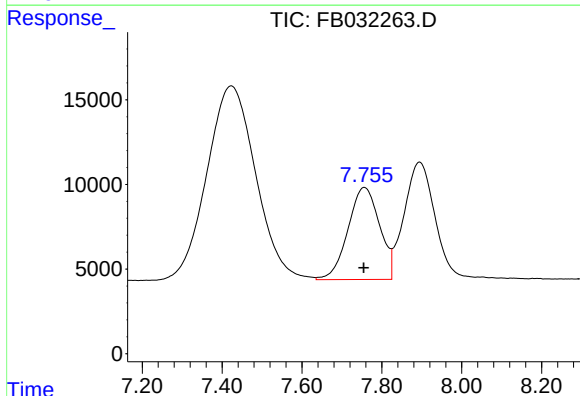
R.T.: 4.715 min
Delta R.T.: 0.006 min
Response: 841765
Conc: 31.17 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF1021S1



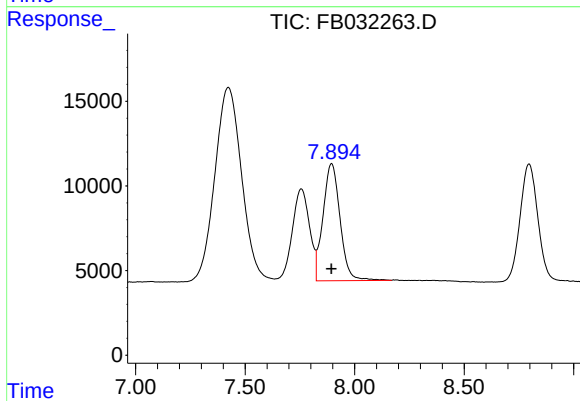
#2 2,2,4-Trimethylpentane

R.T.: 7.424 min
Delta R.T.: -0.006 min
Response: 974206
Conc: 34.49 ng/ml



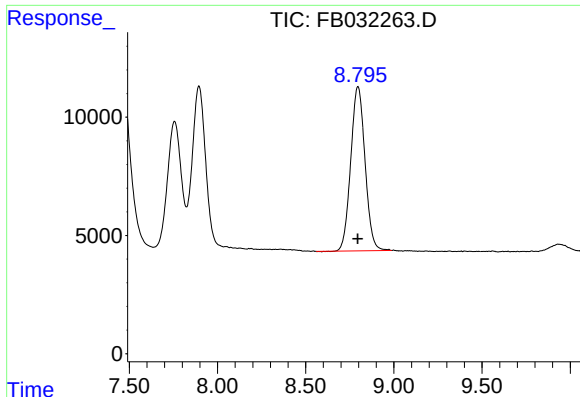
#3 n-Heptane

R.T.: 7.756 min
Delta R.T.: 0.002 min
Response: 299396
Conc: 10.96 ng/ml



#4 Benzene

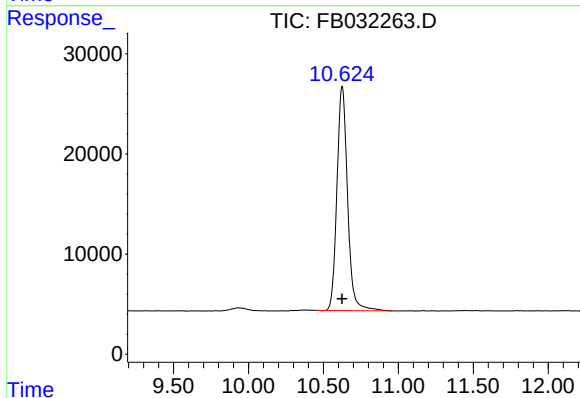
R.T.: 7.895 min
Delta R.T.: 0.002 min
Response: 374754
Conc: 10.37 ng/ml



#5 AAA-TFT

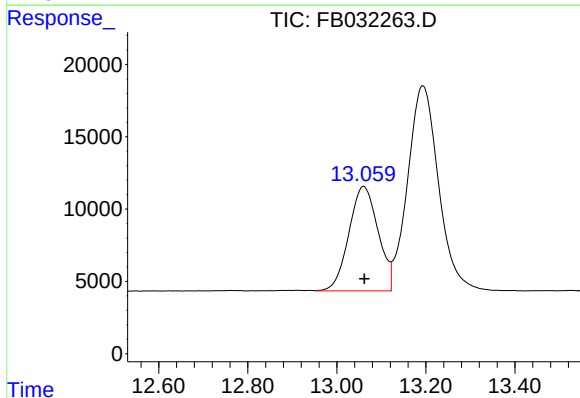
R.T.: 8.797 min
Delta R.T.: 0.000 min
Response: 391083
Conc: 21.85 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF1021S1



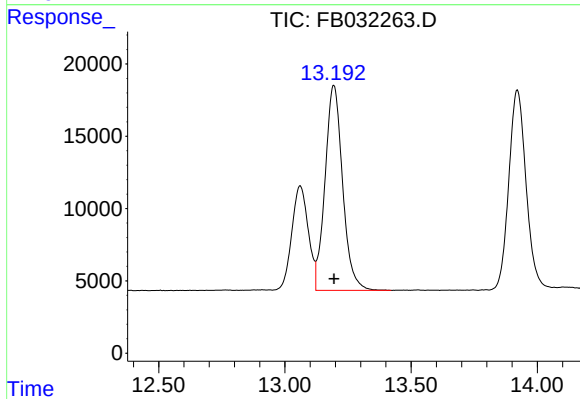
#6 Toluene

R.T.: 10.625 min
Delta R.T.: 0.000 min
Response: 1105455
Conc: 29.68 ng/ml



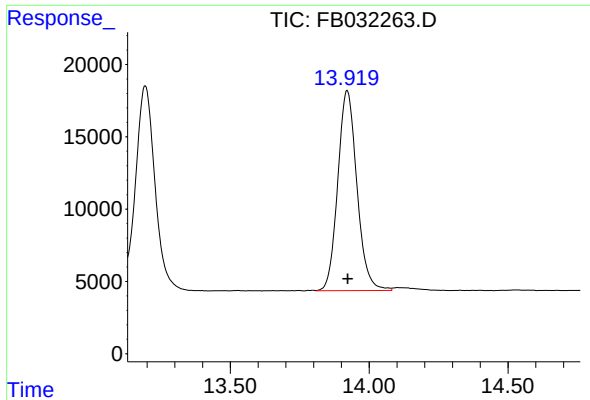
#7 Ethylbenzene

R.T.: 13.061 min
Delta R.T.: -0.001 min
Response: 328594
Conc: 10.05 ng/ml



#8 m-Xylene

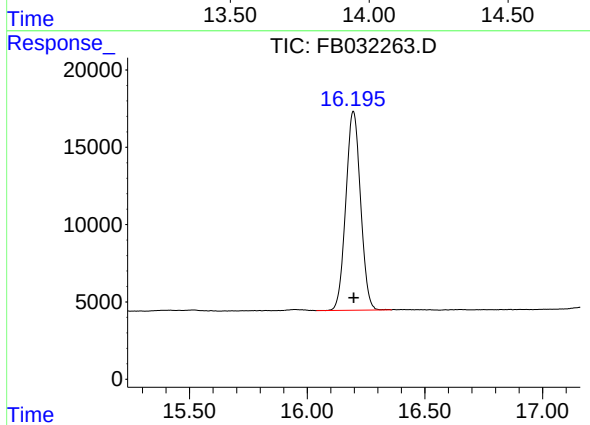
R.T.: 13.194 min
Delta R.T.: -0.002 min
Response: 686551
Conc: 20.14 ng/ml



#9 O-Xylene

R.T.: 13.921 min
Delta R.T.: -0.002 min
Response: 663178
Conc: 20.31 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF1021S1



#10 1,2,4-Trimethylbenzene

R.T.: 16.196 min
Delta R.T.: -0.001 min
Response: 559814
Conc: 20.01 ng/ml

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Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB102125\
 Data File : FB032263.D
 Signal(s) : FID2B.CH
 Acq On : 21 Oct 2025 11:00
 Sample : BSF1021S1
 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\FB092225.M
 Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.715	4.537	4.891	BV	11364	841765	76.15%	13.523%
2	7.424	7.179	7.635	BV	11472	974206	88.13%	15.650%
3	7.756	7.635	7.825	VV	5445	299396	27.08%	4.810%
4	7.895	7.825	8.169	VV	6925	374754	33.90%	6.020%
5	8.797	8.559	8.988	BV	6948	391083	35.38%	6.283%
6	10.625	10.452	10.956	BV	22380	1105455	100.00%	17.759%
7	13.061	12.952	13.122	VV	7237	328594	29.72%	5.279%
8	13.194	13.122	13.422	VV	14184	686551	62.11%	11.029%
9	13.921	13.809	14.081	VV	13842	663178	59.99%	10.654%
10	16.196	16.038	16.359	PV	12872	559814	50.64%	8.993%

Sum of corrected areas: 6224796

FB092225.M Thu Oct 23 00:25:44 2025

Report of Analysis

Client:	ICE Service Group, Inc.	Date Collected:	
Project:	NWIRP Northrup Grumman Site – Bethpage, NY	Date Received:	
Client Sample ID:	BSF1021S2	SDG No.:	Q3399
Lab Sample ID:	BSF1021S2	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	100
Sample Wt/Vol:	5 g	Test:	Gasoline Range Organics
	Final Vol: 5 mL		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
GRO	GRO	189		1	8.00	9.00	45.0	ug/kg	10/21/25 12:32	FB102125
SURROGATES										
98-08-8	Alpha,Alpha,Alpha-Trifluor	20.9			50 - 150		105%	SPK: 20		

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

Q3399-Gasoline Range Organics

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\FB102125\
 Data File : FB032265.D
 Signal(s) : FID2B.CH
 Acq On : 21 Oct 2025 12:32
 Operator : YP/AJ
 Sample : BSF1021S2
 Misc : 5.05G/5.00 ML DI WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 FID_B
 ClientSampleId :
 BSF1021S2

Integration File: Calibration.e
 Quant Time: Oct 23 17:09:13 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB092225.M
 Quant Title :
 QLast Update : Mon Sep 22 12:16:10 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
5) s AAA-TFT	8.797	374274	20.910 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.715	847037	31.364 ng/ml
2) t 2,2,4-Trimethylpentane	7.423	985452	34.885 ng/ml
3) t n-Heptane	7.757	298718	10.933 ng/ml
4) t Benzene	7.895	372554	10.309 ng/ml
6) t Toluene	10.626	1120516	30.085 ng/ml
7) t Ethylbenzene	13.062	331680	10.147 ng/ml
8) t m-Xylene	13.195	698016	20.479 ng/ml
9) t O-Xylene	13.922	672280	20.588 ng/ml
10) t 1,2,4-Trimethylbenzene	16.198	570828	20.408 ng/ml

(f)=RT Delta > 1/2 Window

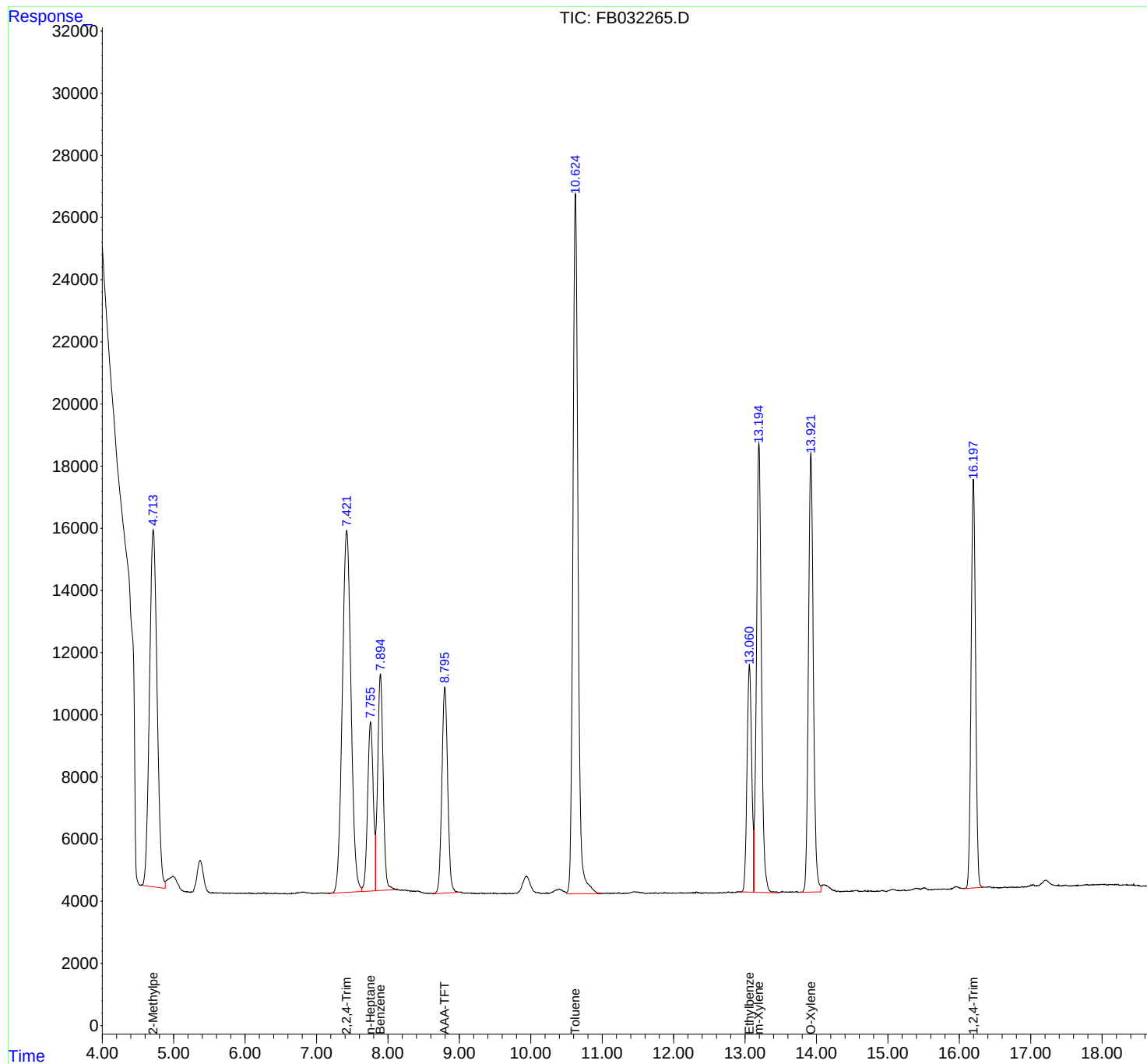
(m)=manual int.

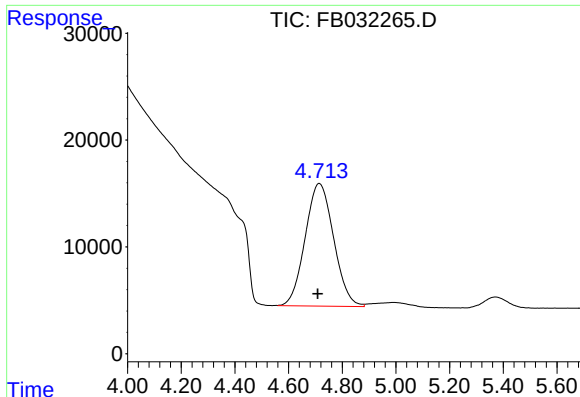
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB102125\
Data File : FB032265.D
Signal(s) : FID2B.CH
Acq On : 21 Oct 2025 12:32
Operator : YP/AJ
Sample : BSF1021S2
Misc : 5.05G/5.00 ML DI WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF1021S2

Integration File: Calibration.e
Quant Time: Oct 23 17:09:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB092225.M
Quant Title :
QLast Update : Mon Sep 22 12:16:10 2025
Response via : Initial Calibration
Integrator: ChemStation

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

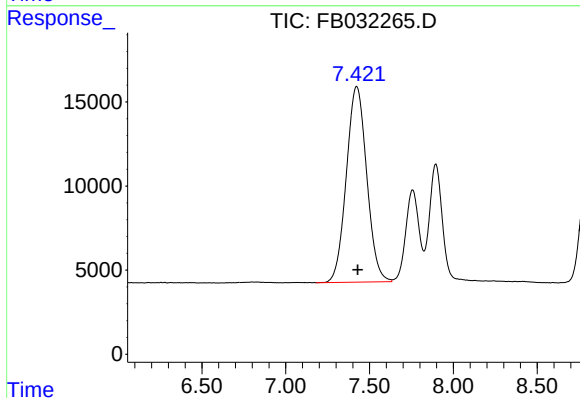




#1 2-Methylpentane

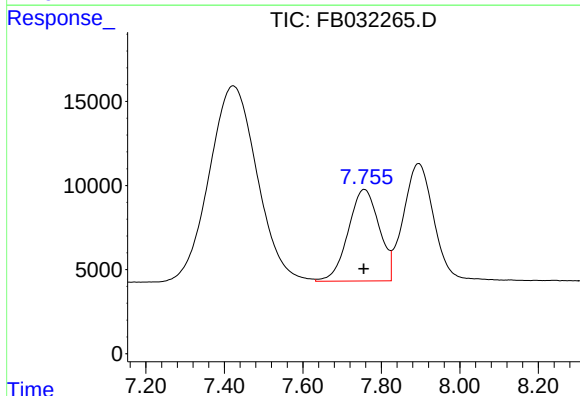
R.T.: 4.715 min
Delta R.T.: 0.006 min
Response: 847037
Conc: 31.36 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF1021S2



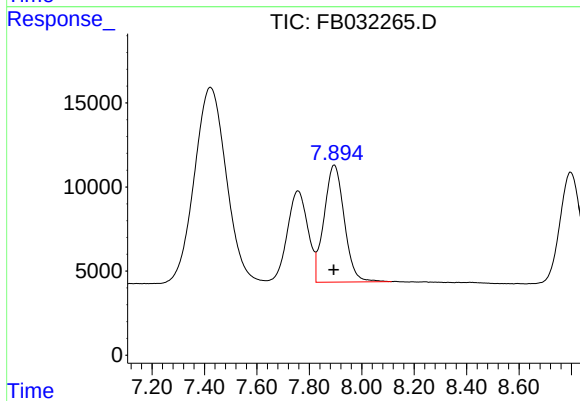
#2 2,2,4-Trimethylpentane

R.T.: 7.423 min
Delta R.T.: -0.007 min
Response: 985452
Conc: 34.88 ng/ml



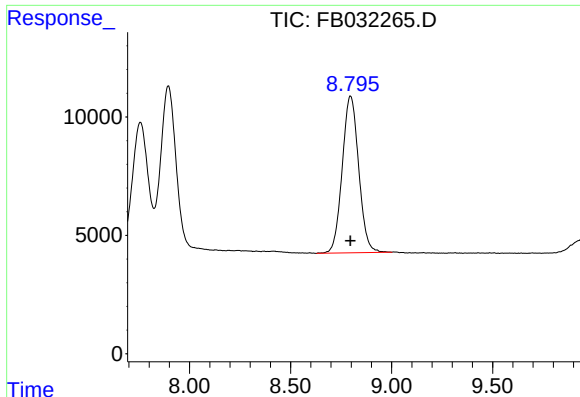
#3 n-Heptane

R.T.: 7.757 min
Delta R.T.: 0.002 min
Response: 298718
Conc: 10.93 ng/ml



#4 Benzene

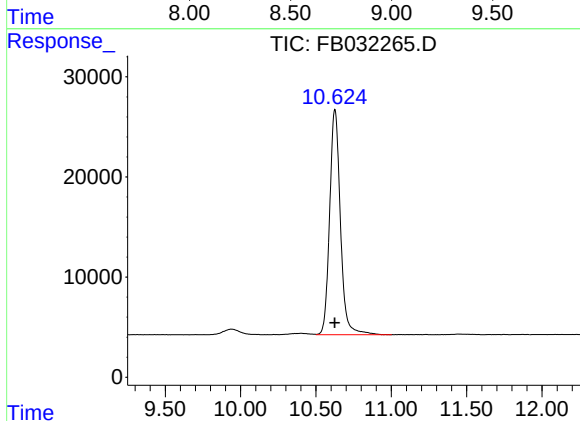
R.T.: 7.895 min
Delta R.T.: 0.002 min
Response: 372554
Conc: 10.31 ng/ml



#5 AAA-TFT

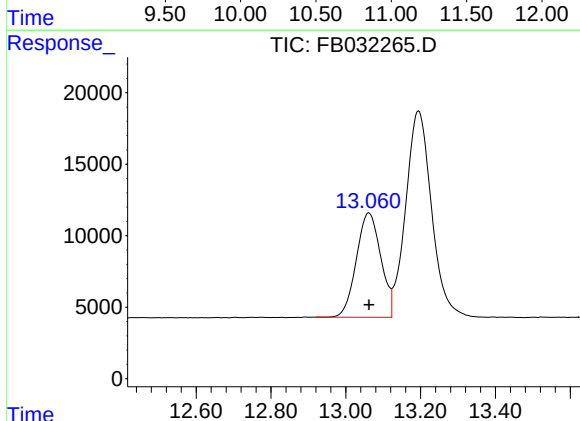
R.T.: 8.797 min
Delta R.T.: 0.000 min
Response: 374274
Conc: 20.91 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF1021S2



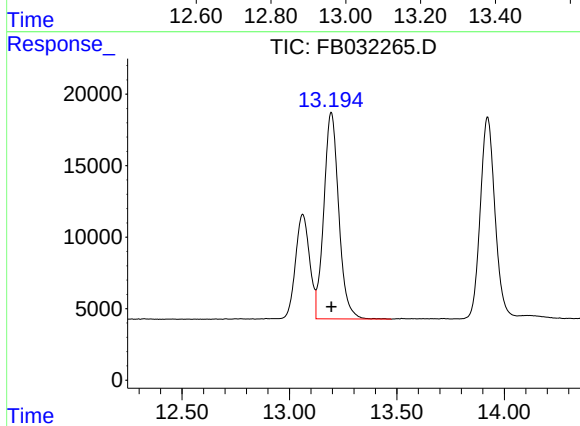
#6 Toluene

R.T.: 10.626 min
Delta R.T.: 0.000 min
Response: 1120516
Conc: 30.09 ng/ml



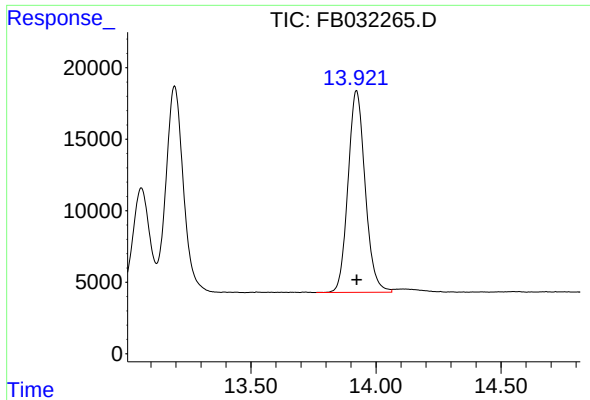
#7 Ethylbenzene

R.T.: 13.062 min
Delta R.T.: 0.000 min
Response: 331680
Conc: 10.15 ng/ml



#8 m-Xylene

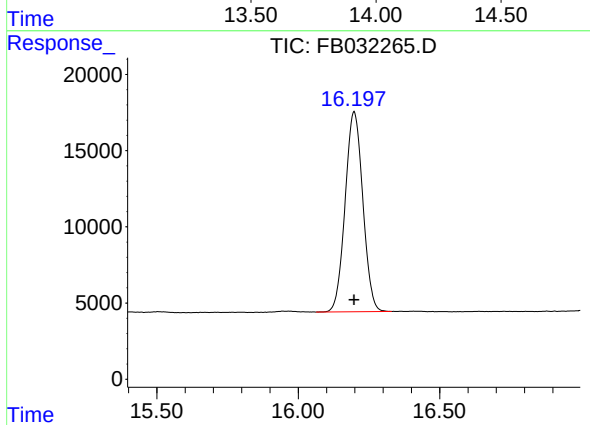
R.T.: 13.195 min
Delta R.T.: 0.000 min
Response: 698016
Conc: 20.48 ng/ml



#9 O-Xylene

R.T.: 13.922 min
Delta R.T.: 0.000 min
Response: 672280
Conc: 20.59 ng/ml

Instrument :
FID_B
ClientSampleId :
BSF1021S2



#10 1,2,4-Trimethylbenzene

R.T.: 16.198 min
Delta R.T.: 0.000 min
Response: 570828
Conc: 20.41 ng/ml

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Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QC Batch ID # FB092225

Review By	yogesh	Review On	9/24/2025 9:01:10 AM
Supervise By	mohammad	Supervise On	9/25/2025 2:24:54 AM
SubDirectory	FB092225	HP Acquire Method	FID_B
		HP Processing Method	FB092225
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24717,PP24931,PP24932,PP24933,PP24934,PP24935		
CCC Internal Standard/PEM	PP24937,PP24938		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24718,PP24936		

Sr#	Sampleld	Data File Name	Date-Time	Operator	Status
1	5 GRO STD	FB032214.D	22 Sep 2025 9:53	YP/AJ	Ok
2	10 GRO STD	FB032215.D	22 Sep 2025 10:21	YP/AJ	Ok
3	20 GRO STD	FB032216.D	22 Sep 2025 10:48	YP/AJ	Ok
4	50 GRO STD	FB032217.D	22 Sep 2025 11:16	YP/AJ	Ok
5	100 GRO STD	FB032218.D	22 Sep 2025 11:44	YP/AJ	Ok
6	FB0922GROICV	FB032219.D	22 Sep 2025 12:43	YP/AJ	Ok
7	20 PPB GRO STD	FB032220.D	22 Sep 2025 13:23	YP/AJ	Ok
8	BSF0922S1	FB032221.D	22 Sep 2025 14:08	YP/AJ	Not Ok
9	VBF0922S2	FB032222.D	22 Sep 2025 14:35	YP/AJ	Ok
10	VBF0922S1	FB032223.D	22 Sep 2025 15:03	YP/AJ	Ok
11	Q3123-01	FB032224.D	22 Sep 2025 15:31	YP/AJ	Ok
12	Q3157-01	FB032225.D	22 Sep 2025 15:59	YP/AJ	Not Ok
13	BSF0922S1	FB032226.D	22 Sep 2025 16:35	YP/AJ	Ok
14	BSF0922S2	FB032227.D	22 Sep 2025 17:02	YP/AJ	Ok
15	20 PPB GRO STD	FB032228.D	22 Sep 2025 17:58	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QC Batch ID # FB102125

Review By	yogesh	Review On	10/29/2025 7:49:15 AM
Supervise By	mohammad	Supervise On	10/29/2025 7:53:12 AM
SubDirectory	FB102125	HP Acquire Method	FID_B
		HP Processing Method	FB092225
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24717,PP24931,PP24932,PP24933,PP24934,PP24935		
CCC	PP25003,PP25004		
Internal Standard/PEM			
ICV/I.BLK	PP24718,PP24936		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	20 PPB GRO STD	FB032260.D	21 Oct 2025 9:17	YP/AJ	Ok
2	VBF1021S1	FB032261.D	21 Oct 2025 10:05	YP/AJ	Ok
3	VBF1021S2	FB032262.D	21 Oct 2025 10:33	YP/AJ	Ok
4	BSF1021S1	FB032263.D	21 Oct 2025 11:00	YP/AJ	Ok
5	Q3399-01	FB032264.D	21 Oct 2025 11:41	YP/AJ	Ok
6	BSF1021S2	FB032265.D	21 Oct 2025 12:32	YP/AJ	Ok
7	20 PPB GRO STD	FB032266.D	21 Oct 2025 13:27	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QC Batch ID # FB092225

Review By	yogesh	Review On	9/24/2025 9:01:10 AM
Supervise By	mohammad	Supervise On	9/25/2025 2:24:54 AM
SubDirectory	FB092225	HP Acquire Method	FID_B
		HP Processing Method	FB092225
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24717,PP24931,PP24932,PP24933,PP24934,PP24935		
CCC	PP24937,PP24938		
Internal Standard/PEM			
ICV/I.BLK	PP24718,PP24936		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	5 GRO STD		FB032214.D	22 Sep 2025 9:53		YP/AJ	Ok
2	10 GRO STD		FB032215.D	22 Sep 2025 10:21		YP/AJ	Ok
3	20 GRO STD		FB032216.D	22 Sep 2025 10:48		YP/AJ	Ok
4	50 GRO STD		FB032217.D	22 Sep 2025 11:16		YP/AJ	Ok
5	100 GRO STD		FB032218.D	22 Sep 2025 11:44		YP/AJ	Ok
6	FB0922GROICV		FB032219.D	22 Sep 2025 12:43		YP/AJ	Ok
7	20 PPB GRO STD		FB032220.D	22 Sep 2025 13:23		YP/AJ	Ok
8	BSF0922S1		FB032221.D	22 Sep 2025 14:08	Not Used	YP/AJ	Not Ok
9	VBF0922S2		FB032222.D	22 Sep 2025 14:35		YP/AJ	Ok
10	VBF0922S1		FB032223.D	22 Sep 2025 15:03		YP/AJ	Ok
11	Q3123-01		FB032224.D	22 Sep 2025 15:31		YP/AJ	Ok
12	Q3157-01		FB032225.D	22 Sep 2025 15:59	Vial A not Purged	YP/AJ	Not Ok
13	BSF0922S1		FB032226.D	22 Sep 2025 16:35		YP/AJ	Ok
14	BSF0922S2		FB032227.D	22 Sep 2025 17:02		YP/AJ	Ok
15	20 PPB GRO STD		FB032228.D	22 Sep 2025 17:58		YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QC Batch ID # FB102125

Review By	yogesh	Review On	10/29/2025 7:49:15 AM
Supervise By	mohammad	Supervise On	10/29/2025 7:53:12 AM
SubDirectory	FB102125	HP Acquire Method	FID_B
		HP Processing Method	FB092225

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP24717,PP24931,PP24932,PP24933,PP24934,PP24935
CCC	PP25003,PP25004
Internal Standard/PEM	
ICV/I.BLK	PP24718,PP24936
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	20 PPB GRO STD		FB032260.D	21 Oct 2025 9:17		YP/AJ	Ok
2	VBF1021S1		FB032261.D	21 Oct 2025 10:05		YP/AJ	Ok
3	VBF1021S2		FB032262.D	21 Oct 2025 10:33		YP/AJ	Ok
4	BSF1021S1		FB032263.D	21 Oct 2025 11:00		YP/AJ	Ok
5	Q3399-01		FB032264.D	21 Oct 2025 11:41	Vial A	YP/AJ	Ok
6	BSF1021S2		FB032265.D	21 Oct 2025 12:32		YP/AJ	Ok
7	20 PPB GRO STD		FB032266.D	21 Oct 2025 13:27		YP/AJ	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/22/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 10/21/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:15
Out Date: 10/22/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137592

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
Q3399-01	COMP-ROLLOFF	13	1.15	10.96	12.11	11.00	89.9	
Q3401-01	41-CONCRETE	1	1.00	1.00	2.00	2.00	100.0	Concrete sample
Q3402-01	41-LA	2	1.15	10.90	12.05	8.69	69.2	
Q3402-02	41-LA-E2	3	1.13	10.64	11.77	10.2	85.2	
Q3402-04	41-RA	4	1.16	10.73	11.89	7.61	60.1	
Q3402-05	41-RA-E2	5	1.16	10.98	12.14	7.39	56.7	
Q3402-07	41-LB	6	1.16	10.77	11.93	8.26	65.9	
Q3402-08	41-LB-E2	7	1.16	10.95	12.11	6.22	46.2	
Q3402-10	41-RB	8	1.11	10.87	11.98	7.01	54.3	
Q3402-11	41-RB-E2	9	1.15	10.68	11.83	9.78	80.8	
Q3403-01	MH-18	10	1.19	10.49	11.68	10.75	91.1	
Q3403-02	MH-18-EPH	11	1.16	10.66	11.82	10.8	90.4	
Q3403-03	MH-18-VOC	12	1.19	11.37	12.56	11.59	91.5	
Q3404-01	MOO-25-0285-0288	14	1.15	10.74	11.89	10.22	84.5	
Q3404-03	MOO-25-0285-0288-E2	15	1.19	10.42	11.61	9.77	82.3	
Q3404-04	MOO-25-0292	16	1.18	10.22	11.4	10.5	91.2	
Q3404-07	MOO-25-0292-EPH-2	17	1.14	10.27	11.41	10.44	90.6	
Q3405-01	PAD-10-20-25-A	18	1.00	1.00	2.00	2.00	100.0	Concrete sample
Q3405-02	PAD-10-20-25-B	19	1.00	1.00	2.00	2.00	100.0	Concrete sample
Q3405-03	PAD-10-20-25-C	20	1.00	1.00	2.00	2.00	100.0	Concrete sample
Q3405-04	SW-10-20-25-A	21	1.00	1.00	2.00	2.00	100.0	Concrete sample
Q3406-01	ARS20-0037	22	1.18	11.19	12.37	11.24	89.9	
Q3406-03	ARS20-0037-E2	23	1.18	11.48	12.66	11.4	89.0	
Q3407-01	L35-A	24	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-02	L35-B	25	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-03	L36-A	26	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-04	L36-B	27	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-05	L37-A	28	1.00	1.00	2.00	2.00	100.0	PILC

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/22/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 10/21/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:15
Out Date: 10/22/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137592

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
Q3407-06	L37-B	29	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-07	L38-A	30	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-08	L38-B	31	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-09	L39-A	32	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-10	L39-B	33	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-11	L40-A	34	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-12	L40-B	35	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-13	L41-A	36	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-14	L41-B	37	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-15	L42-A	38	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-16	L42-B	39	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-17	L43-A	40	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-18	L43-B	41	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-19	L44-A	42	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-20	L44-B	43	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-21	L45-A	44	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-22	L45-B	45	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-23	L46-A	46	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-24	L46-B	47	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-25	L47-A	48	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-26	L47-B	49	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-27	L48-A	50	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-28	L48-B	51	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-29	L49-A	52	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-30	L49-B	53	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-31	L50-A	54	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-32	L50-B	55	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-33	L51-A	56	1.00	1.00	2.00	2.00	100.0	PILC

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/22/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 10/21/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:15
Out Date: 10/22/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137592

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
Q3407-34	L51-B	57	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-35	L52-A	58	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-36	L52-B	59	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-37	L53-A	60	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-38	L53-B	61	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-39	245F69-A	62	1.00	1.00	2.00	2.00	100.0	PILC
Q3407-40	245F69-B	63	1.00	1.00	2.00	2.00	100.0	PILC
Q3408-01	ASPHALT-A	64	1.00	1.00	2.00	2.00	100.0	ASPHALT
Q3408-02	ASPHALT-B	65	1.00	1.00	2.00	2.00	100.0	ASPHALT
Q3408-03	ASPHALT-C	66	1.00	1.00	2.00	2.00	100.0	ASPHALT
Q3408-04	ASPHALT-D	67	1.00	1.00	2.00	2.00	100.0	ASPHALT
Q3409-01	EXCAVATION-AREA-A	68	1.00	1.00	2.00	2.00	100.0	Concreate sample
Q3409-02	EXCAVATION-AREA-B	69	1.00	1.00	2.00	2.00	100.0	Concreate sample
Q3410-01	WASTE	70	1.14	10.45	11.59	9.59	80.9	
Q3410-02	VOC	71	1.15	10.55	11.7	9.64	80.5	
Q3410-03	1	72	1.15	10.97	12.12	9.89	79.7	
Q3410-04	2	73	1.13	11.27	12.4	11.24	89.7	
Q3410-05	3	74	1.16	10.62	11.78	9.6	79.5	
Q3410-06	4	75	1.12	10.50	11.62	9.76	82.3	
Q3410-07	5	76	1.16	10.50	11.66	9.43	78.8	
Q3412-01	TP-6	77	1.14	10.81	11.95	10.84	89.7	
Q3412-02	TP-6-EPH	78	1.18	10.73	11.91	10.7	88.7	
Q3412-03	TP-6-VOC	79	1.15	10.52	11.67	10.38	87.7	
Q3413-01	BP-VPB-184-GW-980-982	80	1.14	11.55	12.69	2.00	7.4	sludge sample
Q3414-01	SB-1	81	1.13	10.12	11.25	11.17	99.2	
Q3414-02	SB-2	82	1.15	10.62	11.77	11.6	98.4	
Q3414-03	SB-3	83	1.13	10.53	11.66	11.4	97.5	
Q3414-04	SB-4	84	1.14	10.28	11.42	11.3	98.8	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/22/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 10/21/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:15
Out Date: 10/22/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137592

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
Q3414-05	SB-5	85	1.16	10.25	11.41	11.34	99.3	
Q3414-06	SB-6	86	1.18	10.36	11.54	11.49	99.5	
Q3414-07	SB-7	87	1.15	10.25	11.4	11.26	98.6	
Q3414-08	SB-8	88	1.19	10.25	11.44	11.14	97.1	
Q3414-09	SB-9	89	1.16	10.31	11.47	11.18	97.2	
Q3414-10	SB-10	90	1.14	10.55	11.69	11.6	99.1	
Q3414-11	SB-11	91	1.19	10.20	11.39	11.04	96.6	
Q3414-12	SB-12	92	1.18	10.10	11.28	10.9	96.2	
Q3414-13	SB-13	93	1.14	10.06	11.2	10.85	96.5	
Q3415-01	50841	94	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3415-02	50842	95	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3415-03	50843	96	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3416-01	NB-08-10212025	97	1.15	10.52	11.67	11.02	93.8	
Q3416-02	NB-08-10212025-E2	98	1.18	10.92	12.1	11.43	93.9	

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

WORKLIST(Hardcopy Internal Chain)

137592

WorkList Name : %1-102125 WorkList ID : 192565 Department : Wet-Chemistry Date : 10-21-2025 08:08:50

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3399-01	COMP-ROLLOFF	Solid	Percent Solids	Cool 4 deg C	ICES02	D41	10/20/2025	Chemtech -SO
Q3401-01	41-CONCRETE	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3402-01	41-LA	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3402-02	41-LA-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3402-04	41-RA	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3402-05	41-RA-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3402-07	41-LB	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3402-08	41-LB-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3402-10	41-RB	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3402-11	41-RB-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3403-01	MH-18	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/20/2025	Chemtech -SO
Q3403-02	MH-18-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/20/2025	Chemtech -SO
Q3403-03	MH-18-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/20/2025	Chemtech -SO
Q3404-01	MOO-25-0285-0288	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/20/2025	Chemtech -SO
Q3404-03	MOO-25-0285-0288-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/20/2025	Chemtech -SO
Q3404-04	MOO-25-0292	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/20/2025	Chemtech -SO
Q3404-07	MOO-25-0292-EPH-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/20/2025	Chemtech -SO
Q3405-01	PAD-10-20-25-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3405-02	PAD-10-20-25-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3405-03	PAD-10-20-25-C	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3405-04	SW-10-20-25-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO

Date/Time 10/21/25 15:00 Date/Time 10/21/25 17:13

Raw Sample Received by: [Signature] Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature] Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

137592

WorkList Name : %1-102125 WorkList ID : 192565 Department : Wet-Chemistry Date : 10-21-2025 08:08:50

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3406-01	ARS20-0037	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/20/2025	Chemtech -SO
Q3406-03	ARS20-0037-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/20/2025	Chemtech -SO
Q3407-01	L35-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-02	L35-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-03	L36-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-04	L36-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-05	L37-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-06	L37-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-07	L38-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-08	L38-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-09	L39-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-10	L39-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-11	L40-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-12	L40-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-13	L41-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-14	L41-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-15	L42-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-16	L42-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-17	L43-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-18	L43-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-19	L44-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO

Date/Time 10/21/25 15:00
 Raw Sample Received by: *SS WOC*
 Raw Sample Relinquished by: *QFS*

Date/Time 10/21/25 17:30
 Raw Sample Received by: *QFS*
 Raw Sample Relinquished by: *SS WOC*



WORKLIST(Hardcopy Internal Chain)

137592

WorkList Name : %1-102125 WorkList ID : 192565 Department : Wet-Chemistry Date : 10-21-2025 08:08:50

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3407-20	L44-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-21	L45-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-22	L45-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-23	L46-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-24	L46-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-25	L47-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-26	L47-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-27	L48-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-28	L48-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-29	L49-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-30	L49-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-31	L50-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-32	L50-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-33	L51-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-34	L51-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-35	L52-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-36	L52-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-37	L53-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-38	L53-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-39	245F69-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3407-40	245F69-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO

Date/Time 10/21/25 151.00
Raw Sample Received by: [Signature]
Raw Sample Relinquished by: [Signature]

Date/Time 10/21/25
Raw Sample Received by: [Signature]
Raw Sample Relinquished by: [Signature]

17130

WORKLIST(Hardcopy Internal Chain)

137592

WorkList Name : %1-102125 WorkList ID : 192565 Department : Wet-Chemistry Date : 10-21-2025 08:08:50

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3408-01	ASPHALT-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/20/2025	Chemtech -SO
Q3408-02	ASPHALT-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/20/2025	Chemtech -SO
Q3408-03	ASPHALT-C	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/20/2025	Chemtech -SO
Q3408-04	ASPHALT-D	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/20/2025	Chemtech -SO
Q3409-01	EXCAVATION-AREA-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/20/2025	Chemtech -SO
Q3409-02	EXCAVATION-AREA-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/20/2025	Chemtech -SO
Q3410-01	WASTE	Solid	Percent Solids	Cool 4 deg C	SCIA01	J11	10/20/2025	Chemtech -SO
Q3410-02	VOC	Solid	Percent Solids	Cool 4 deg C	SCIA01	J11	10/20/2025	Chemtech -SO
Q3410-03	1	Solid	Percent Solids	Cool 4 deg C	SCIA01	J11	10/20/2025	Chemtech -SO
Q3410-04	2	Solid	Percent Solids	Cool 4 deg C	SCIA01	J11	10/20/2025	Chemtech -SO
Q3410-05	3	Solid	Percent Solids	Cool 4 deg C	SCIA01	J11	10/20/2025	Chemtech -SO
Q3410-06	4	Solid	Percent Solids	Cool 4 deg C	SCIA01	J11	10/20/2025	Chemtech -SO
Q3410-07	5	Solid	Percent Solids	Cool 4 deg C	SCIA01	J11	10/20/2025	Chemtech -SO
Q3412-01	TP-6	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3412-02	TP-6-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3412-03	TP-6-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/20/2025	Chemtech -SO
Q3413-01	BP-VPB-184-GW-980-982	Solid	Percent Solids	Cool 4 deg C	TETR06	D31	10/20/2025	Chemtech -SO
Q3414-01	SB-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D32	10/17/2025	Chemtech -SO
Q3414-02	SB-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D32	10/21/2025	Chemtech -SO
Q3414-03	SB-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	D32	10/21/2025	Chemtech -SO
Q3414-04	SB-4	Solid	Percent Solids	Cool 4 deg C	PSEG03	D32	10/21/2025	Chemtech -SO

Date/Time 10/21/25 15:00 Date/Time 10/21/25 Date/Time 17:30
 Raw Sample Received by: FB ywo Raw Sample Received by: CP SN
 Raw Sample Relinquished by: OP SN Raw Sample Relinquished by: FB ywo

WORKLIST(Hardcopy Internal Chain)

W-137592

WorkList Name : %1-102125 WorkList ID : 192565 Department : Wet-Chemistry Date : 10-21-2025 08:08:50

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3414-05	SB-5	Solid	Percent Solids	Cool 4 deg C	PSEG03	D32	10/21/2025	Chemtech -SO
Q3414-06	SB-6	Solid	Percent Solids	Cool 4 deg C	PSEG03	D32	10/21/2025	Chemtech -SO
Q3414-07	SB-7	Solid	Percent Solids	Cool 4 deg C	PSEG03	D32	10/21/2025	Chemtech -SO
Q3414-08	SB-8	Solid	Percent Solids	Cool 4 deg C	PSEG03	D32	10/21/2025	Chemtech -SO
Q3414-09	SB-9	Solid	Percent Solids	Cool 4 deg C	PSEG03	D32	10/21/2025	Chemtech -SO
Q3414-10	SB-10	Solid	Percent Solids	Cool 4 deg C	PSEG03	D32	10/21/2025	Chemtech -SO
Q3414-11	SB-11	Solid	Percent Solids	Cool 4 deg C	PSEG03	D32	10/21/2025	Chemtech -SO
Q3414-12	SB-12	Solid	Percent Solids	Cool 4 deg C	PSEG03	D32	10/21/2025	Chemtech -SO
Q3414-13	SB-13	Solid	Percent Solids	Cool 4 deg C	PSEG03	D32	10/21/2025	Chemtech -SO
Q3415-01	50841	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/21/2025	Chemtech -SO
Q3415-02	50842	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/21/2025	Chemtech -SO
Q3415-03	50843	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/21/2025	Chemtech -SO
Q3416-01	NB-08-10212025	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	10/21/2025	Chemtech -SO
Q3416-02	NB-08-10212025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	10/21/2025	Chemtech -SO
Q3418-01	101725	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/21/2025	Chemtech -SO
Q3418-02	101725-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/21/2025	Chemtech -SO
Q3418-03	101725-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/21/2025	Chemtech -SO

Date/Time 10/21/25 15:00
 Raw Sample Received by: SB WCC
 Raw Sample Relinquished by: CD SM

Date/Time 10/21/25 17:30
 Raw Sample Received by: CD SM
 Raw Sample Relinquished by: SB WCC

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/24/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 10/23/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:15
Out Date: 10/24/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137624

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
Q3399-03	COMP-ROLLOFF	15	1.15	10.96	12.11	11.00	89.9	
Q3437-03	SS-15R(2.0-2.5)	1	1.18	10.46	11.64	10.32	87.4	
Q3437-05	SS-26(0-0.5)	2	1.16	10.19	11.35	10.17	88.4	
Q3437-11	SS-27(0-0.5)	3	1.17	10.34	11.51	10.85	93.6	
Q3437-14	SS-25(0-0.5)	4	1.11	10.33	11.44	10.34	89.4	
Q3437-16	SS-23(0-0.5)	5	1.13	10.84	11.97	11.26	93.5	
Q3439-01	TP-9	6	1.18	10.29	11.47	10.55	91.1	
Q3439-02	TP-9-EPH	7	1.19	10.61	11.8	10.87	91.2	
Q3439-03	TP-9-VOC	8	1.18	10.14	11.32	10.41	91.0	
Q3439-05	TP-10	9	1.15	10.60	11.75	10.82	91.2	
Q3439-06	TP-10-EPH	10	1.19	10.17	11.36	10.44	91.0	
Q3439-07	TP-10-VOC	11	1.18	10.31	11.49	10.37	89.1	
Q3440-01	JB-2	12	1.13	11.32	12.45	10.38	81.7	
Q3440-02	JB-2-EPH	13	1.17	10.42	11.59	9.79	82.7	
Q3440-03	JB-2-VOC	14	1.13	8.36	9.49	8.14	83.9	
Q3445-01	EO-01-102325	16	1.14	10.46	11.6	10.74	91.8	
Q3445-02	EO-01-102325-E2	17	1.16	10.40	11.56	10.57	90.5	
Q3446-01	SB-14	18	1.11	10.00	11.11	10.82	97.1	
Q3446-02	SB-15	19	1.14	10.54	11.68	11.64	99.6	
Q3446-03	SB-16	20	1.19	10.31	11.5	11.44	99.4	
Q3446-04	SB-17	21	1.19	10.13	11.32	11.27	99.5	
Q3446-05	SB-18	22	1.19	10.53	11.72	11.67	99.5	
Q3446-06	SB-19	23	1.15	10.44	11.59	11.32	97.4	
Q3446-07	SB-20	24	1.16	10.50	11.66	11.6	99.4	
Q3446-08	SB-21	25	1.14	10.08	11.22	10.9	96.8	
Q3447-01	P001-TW1-251023-01	26	1.00	1.00	2.00	2.00	100.0	TAR SAMPLE
Q3447-03	P001-TW2-251023-01	27	1.19	10.43	11.62	10.75	91.7	
Q3447-05	P001-TW3-251023-01	28	1.18	10.70	11.88	11.64	97.8	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/24/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 10/23/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:15
Out Date: 10/24/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137624

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
Q3447-07	P001-TW4-251023-01	29	1.00	1.00	2.00	2.00	100.0	TAR SAMPLE

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

WORKLIST(Hardcopy Internal Chain)

10/23/25

WorkList Name : %1-102325

WorkList ID : 192629

Department : Wet-Chemistry

Date : 10-23-2025 08:26:05

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3399-03	COMP-ROLLOFF	Solid	Percent Solids	Cool 4 deg C	ICES02	D41	10/20/2025	Chemtech -SO
Q3437-03	SS-15R(2.0-2.5)	Solid	Percent Solids	Cool 4 deg C	MATR02	D31	10/22/2025	Chemtech -SO
Q3437-05	SS-26(0-0.5)	Solid	Percent Solids	Cool 4 deg C	MATR02	D31	10/22/2025	Chemtech -SO
Q3437-11	SS-27(0-0.5)	Solid	Percent Solids	Cool 4 deg C	MATR02	D31	10/22/2025	Chemtech -SO
Q3437-14	SS-25(0-0.5)	Solid	Percent Solids	Cool 4 deg C	MATR02	D31	10/22/2025	Chemtech -SO
Q3437-16	SS-23(0-0.5)	Solid	Percent Solids	Cool 4 deg C	MATR02	D31	10/22/2025	Chemtech -SO
Q3439-01	TP-9	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/22/2025	Chemtech -SO
Q3439-02	TP-9-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/22/2025	Chemtech -SO
Q3439-03	TP-9-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/22/2025	Chemtech -SO
Q3439-05	TP-10	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/22/2025	Chemtech -SO
Q3439-06	TP-10-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/23/2025	Chemtech -SO
Q3439-07	TP-10-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/23/2025	Chemtech -SO
Q3440-01	JB-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/23/2025	Chemtech -SO
Q3440-02	JB-2-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/22/2025	Chemtech -SO
Q3440-03	JB-2-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/22/2025	Chemtech -SO
Q3445-01	EO-01-102325	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	10/23/2025	Chemtech -SO
Q3445-02	EO-01-102325-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	10/23/2025	Chemtech -SO
Q3446-01	SB-14	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/23/2025	Chemtech -SO
Q3446-02	SB-15	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/23/2025	Chemtech -SO
Q3446-03	SB-16	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/23/2025	Chemtech -SO
Q3446-04	SB-17	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/23/2025	Chemtech -SO

Date/Time 10/23/25 15:00
 Raw Sample Received by: gpc (wpc)
 Raw Sample Relinquished by: gpc (wpc)

WORKLIST(Hardcopy Internal Chain)

10/23/25

WorkList Name : %1-102325

WorkList ID : 192629

Department : Wet-Chemistry

Date : 10-23-2025 08:26:05

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3446-05	SB-18	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/23/2025	Chemtech -SO
Q3446-06	SB-19	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/23/2025	Chemtech -SO
Q3446-07	SB-20	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/23/2025	Chemtech -SO
Q3446-08	SB-21	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/23/2025	Chemtech -SO
Q3447-01	P001-TW1-251023-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	D41	10/23/2025	Chemtech -SO
Q3447-03	P001-TW2-251023-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	D41	10/23/2025	Chemtech -SO
Q3447-05	P001-TW3-251023-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	D41	10/23/2025	Chemtech -SO
Q3447-07	P001-TW4-251023-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	D41	10/23/2025	Chemtech -SO

Date/Time 10/23/25 15:00
 Raw Sample Received by: JG WWC
 Raw Sample Relinquished by: JG WWC

Date/Time 10/23/25 17:30
 Raw Sample Received by: JG WWC
 Raw Sample Relinquished by: JG WWC

Prep Standard - Chemical Standard Summary

Order ID : Q3399
Test : Gasoline Range Organics

Prepbatch ID :
Sequence ID/Qc Batch ID: fb102125,

Standard ID :
PP24717,PP24718,PP24719,PP24931,PP24932,PP24933,PP24934,PP24935,PP24936,PP25003,PP25004,

Chemical ID :
P13537,P13582,V11252,V14629,W3112,

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Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
231	10 PPM GRO STD 1ST SOURCE	PP24717	07/14/2025	01/09/2026	Yogesh Patel	None	None	Abdul Mirza
								09/24/2025

FROM 0.11100ml of P13537 + 9.89000ml of V14629 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
233	10 PPM GRO STD 2nd SOURCE	PP24718	07/14/2025	01/09/2026	Yogesh Patel	None	None	Abdul Mirza
								09/24/2025

FROM 0.11100ml of P13582 + 9.89000ml of V14629 = Final Quantity: 10.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3619	25 PPM AAA-TFT Surg	PP24719	07/14/2025	01/09/2026	Yogesh Patel	None	None	Abdul Mirza
								09/24/2025

FROM 0.10000ml of V11252 + 9.90000ml of V14629 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
238	5 PPB ICC GRO STD	PP24931	09/22/2025	10/22/2025	Amit Patel	None	None	Abdul Mirza
								09/24/2025

FROM 5.00000ml of W3112 + 0.00100ml of PP24719 + 0.00250ml of PP24717 = Final Quantity: 5.004 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
237	10 PPB ICC GRO STD	PP24932	09/22/2025	10/22/2025	Amit Patel	None	None	Abdul Mirza
								09/24/2025

FROM 5.00000ml of W3112 + 0.00200ml of PP24719 + 0.00500ml of PP24717 = Final Quantity: 5.007 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
239	20 PPB ICC GRO STD	PP24933	09/22/2025	10/22/2025	Amit Patel	None	None	Abdul Mirza
								09/24/2025

FROM 5.00000ml of W3112 + 0.00400ml of PP24719 + 0.01000ml of PP24717 = Final Quantity: 5.014 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
235	50 PPB ICC GRO STD	PP24934	09/22/2025	10/22/2025	Amit Patel	None	None	Abdul Mirza
								09/24/2025

FROM 5.00000ml of W3112 + 0.01000ml of PP24719 + 0.25000ml of PP24717 = Final Quantity: 5.035 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
234	100 PPB ICC GRO STD	PP24935	09/22/2025	10/22/2025	Amit Patel	None	None	Abdul Mirza
								09/24/2025

FROM 5.00000ml of W3112 + 0.02000ml of PP24719 + 0.05000ml of PP24717 = Final Quantity: 5.070 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
240	20 PPB ICV GRO STD	PP24936	09/22/2025	01/08/2026	Amit Patel	None	None	Abdul Mirza
								09/24/2025

FROM 5.00000ml of W3112 + 0.00400ml of PP24719 + 0.01000ml of PP24718 = Final Quantity: 5.014 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
241	20 PPB CCC GRO STD	PP25003	10/21/2025	10/22/2025	Amit Patel	None	None	Yogesh Patel
								11/04/2025

FROM 5.00000ml of W3112 + 0.00400ml of PP24719 + 0.01000ml of PP24717 = Final Quantity: 5.014 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
241	20 PPB CCC GRO STD	PP25004	10/21/2025	10/22/2025	Amit Patel	None	None	Yogesh Patel
FROM 5.00000ml of W3112 + 0.00400ml of PP24719 + 0.01000ml of PP24717 = Final Quantity: 5.014 ml								

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30065 / GRO Mix (EPA)	A0208729	01/14/2026	07/14/2025 / yogesh	09/23/2024 / yogesh	P13537

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30065 / GRO Mix (EPA)	A0216814	01/14/2026	07/14/2025 / yogesh	09/25/2024 / yogesh	P13582

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30068 / VOA Mix, a, a, a-trifluorotoluene 2500uq/ml, P&T methanol, 1ml	A0158026	05/31/2028	11/27/2023 / yogesh	09/11/2020 / DHAVAL	V11252

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	23I0762004	01/09/2026	07/07/2025 / SAM	11/26/2024 / SAM	V14629

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis



Material No.: 9077-02
Batch No.: 23I0762004
Manufactured Date: 2023-08-11
Expiration Date: 2026-08-10
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.5 ppm
Titration Acid (μeq/g)	≤ 0.3	0.2
Titration Base (μeq/g)	≤ 0.10	0.01
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory, Research, or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Ken Koehnlein
Sr. Manager, Quality Assurance



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30065 **Lot No.:** A0208729

Description : Gasoline Range Organics Mix (EPA)
Gasoline Range Organics Mix (EPA) 500 - 1500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2031 **Storage:** 0°C or colder

Ship: Ambient

P13537
↓
P13541 } Y.P.
09/23/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Methylpentane	107-83-5	MKCR9584	99%	1,502.0 µg/mL	+/- 84.3956
2	2,2,4-Trimethylpentane (isooctane)	540-84-1	SHBP5702	99%	1,504.0 µg/mL	+/- 84.5080
3	n-Heptane (C7)	142-82-5	044743T03G	99%	504.0 µg/mL	+/- 28.3192
4	Benzene	71-43-2	MKCS3357	99%	503.0 µg/mL	+/- 28.2630
5	Toluene	108-88-3	MKCS9989	99%	1,508.0 µg/mL	+/- 84.7327
6	Ethylbenzene	100-41-4	094632T20F	99%	503.0 µg/mL	+/- 28.2630
7	m-Xylene	108-38-3	SHBN6673	99%	1,008.0 µg/mL	+/- 56.6383
8	o-Xylene	95-47-6	SHBN5105	99%	1,005.0 µg/mL	+/- 56.4697
9	1,2,4-Trimethylbenzene	95-63-6	MKCS3775	99%	1,004.0 µg/mL	+/- 56.4136

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

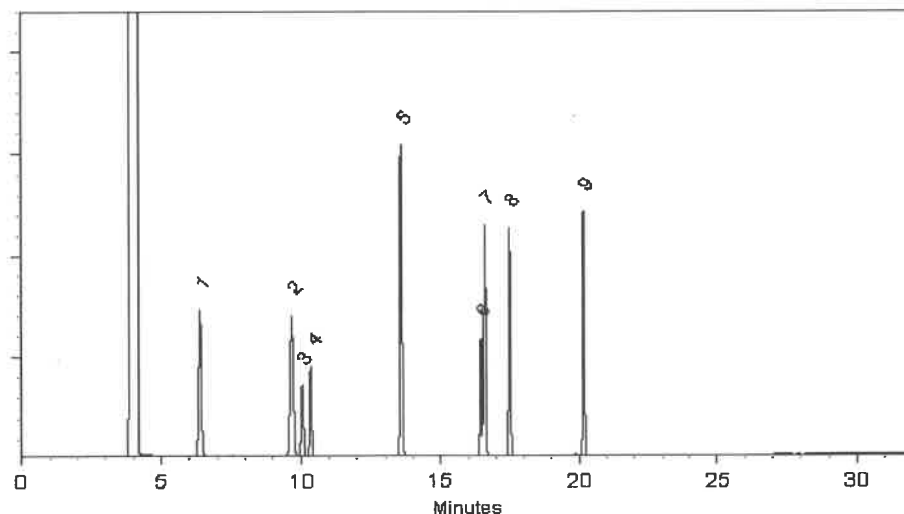
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Wilner Torres
Wilner Torres - Operation Tech I

Date Mixed: 06-Mar-2024

Balance Serial # B707717271

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 08-Mar-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30065 **Lot No.:** A0216814

Description : Gasoline Range Organics Mix (EPA)
Gasoline Range Organics Mix (EPA) 500 - 1500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2031 **Storage:** 0°C or colder

Ship: Ambient

P13582 } Y.P.
↓
P13586 } 09/25/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Methylpentane	107-83-5	MKCR9584	99%	1,506.0 µg/mL	+/- 84.6203
2	2,2,4-Trimethylpentane (isooctane)	540-84-1	SHBP5702	99%	1,503.0 µg/mL	+/- 84.4518
3	n-Heptane (C7)	142-82-5	044743T22W	99%	503.0 µg/mL	+/- 28.2630
4	Benzene	71-43-2	MKCS3357	99%	504.0 µg/mL	+/- 28.3192
5	Toluene	108-88-3	SHBR3812	99%	1,506.0 µg/mL	+/- 84.6203
6	Ethylbenzene	100-41-4	094632V01F	99%	501.0 µg/mL	+/- 28.1506
7	m-Xylene	108-38-3	SHBQ9117	99%	1,006.0 µg/mL	+/- 56.5259
8	o-Xylene	95-47-6	SHBN5105	99%	1,003.0 µg/mL	+/- 56.3574
9	1,2,4-Trimethylbenzene	95-63-6	WXBC9428V	99%	1,007.0 µg/mL	+/- 56.5821

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

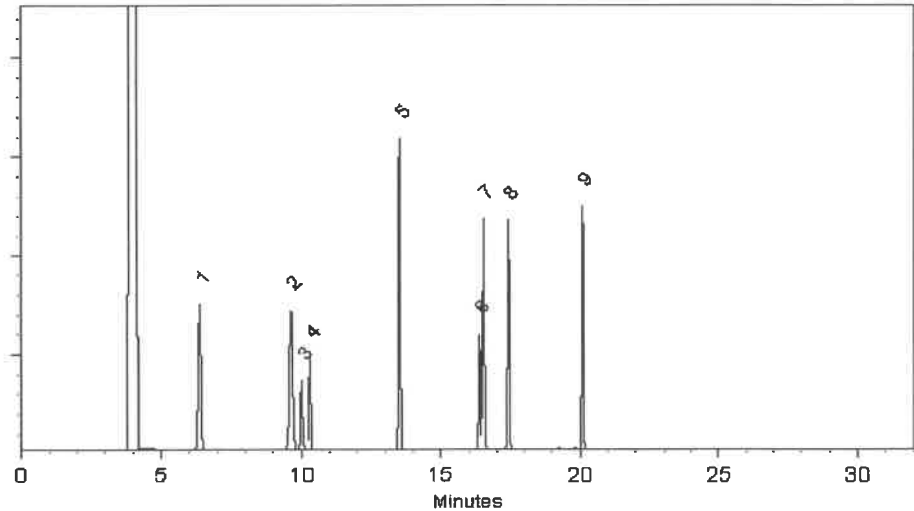
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Scott McNeil - Operations Tech I

Date Mixed: 23-Sep-2024

Balance Serial # 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Sep-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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SHIPPING DOCUMENTS

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CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: TCE Service Group, Inc.
ADDRESS: 125 Bloomingdale Rd
CITY Levittown STATE: N.Y. ZIP:
ATTENTION: Dennis d. Morgan, II
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: ICES 02
PROJECT NO.: LOCATION:
PROJECT MANAGER:
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS:
CITY Stun STATE: ZIP:
ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) DAYS*
HARDCOPY (DATA PACKAGE): 72 HR TAT DAYS*
EDD: DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

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

1. TCL 2. TCLP 3. Hev 4. DF 5. PL 6. 7. 8. 9.

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	<u>Comp-Rolloff</u>	<u>50L</u>	<u>X</u>		<u>10-20-25</u>	<u>12:00</u>	<u>6</u>			<u>X</u>	<u>X</u>	<u>X</u>					<u>PID = 1.3</u>
2.		<u>I</u>		<u>X</u>	<u>I</u>	<u>12:04</u>	<u>3</u>	<u>X</u>	<u>X</u>								<u>PID = 1.3</u>
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. <u>[Signature]</u>	DATE/TIME: <u>1300</u> <u>10-20-2025</u>	RECEIVED BY: 1. <u>[Signature]</u>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☒ COOLER TEMP <u>35</u> °C Comments: <u>*PID Meter Calibrated 10-20-2025 *</u> <u>Equal Volume of soil used,</u>
RELINQUISHED BY SAMPLER: 2. <u>[Signature]</u>	DATE/TIME: <u></u>	RECEIVED BY: 2. <u>[Signature]</u>	
RELINQUISHED BY SAMPLER: 3. <u>[Signature]</u>	DATE/TIME: <u>1759</u> <u>10-20-2025</u>	RECEIVED BY: 3. <u>[Signature]</u>	

Page of CLIENT: ☐ Hand Delivered ☐ Other Shipment Complete ☐ YES ☐ NO

CHEMTECH

Environmental Laboratory
www.chemtech.net | EMAIL: PM@chemtech.net

Project Name: ICEES 02

Chemtech Order ID: _____

Service Order #:

Sampler Name: Lawrence Carter

Work Order #:

Client Project Coordinator & Phone:

Labor WBS #:

Facility/Site:

Page #: 1 of 1

Site Address:

Date: 10.20.2025

125 Bloomingdale Rd. Hewittown, N.Y.

Arrive Time: 11:28 am

Depart Time: 1300

Waste Stream (circle one): drum roll-off

soil pile / in-situ / linear construction frac-tank

Sample Matrices (circle all that apply): Water Solid

NAPL / Concrete / Wipe 1AQ

Collection Depths:

Temp (range):

°C PID Readings (range):

PPM

Odor: Y / N Color: Y / N

Sample Description:

Water Soil Soil Water Bender, Brown & Q.

Field Observations:

Sample 1, RB47191RT, RB2520555, Fric tank 0760450

Grid / Area Composite Map:

QA Control # A3041134

Fric tank X
0760450
PID = 0.7
AQ

RB47191RT
PID = 1.3
CARB-VOC
X X X X X

RB2520555
PID = 0.7
X X X X X

Collect & Composite samples

Camp Roll off samples

Sampler Signature:

L. Carter
Environmental

Client Signature:

10.20.2025

Supervisor Review/Date:

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312



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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3399 ICES02
Client Name : ICE Service Group, Inc.
Client Contact : Dennis D. Morgan, II
Invoice Name : ICE Service Group, Inc.
Invoice Contact : Dennis D. Morgan, II

Order Date : 10/20/2025 1:23:08 PM
Project Name : NWIRP Northrup Grumman
Receive Date Time : 10/20/2025 12:00:00 AM
Purchase Order : 5:54 PM

Project Mgr :
Report Type : NYS ASP A
EDD Type : NYSDEC EDD V-4
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3399-03	COMP-ROLLOFF	Solid	10/20/2025	12:04	VOC-TCLVOA-10		8260D		3 Bus. Days

Relinquished By :

Date / Time : 10/21/25 0740

Received By :

Date / Time : 10/21/25 08:00

Storage Area : VOA Refridgerator Room