

Energy Laboratories Inc

ANALYTICAL RUN Summary

18-Feb-22

Run ID VARIAN1_211208B

Run Start Date: 12/8/2021
Analyst: Josie Pickard
Ical: 0
Column ID: Rtx-502.2
Comments:

Std ID	Std Name	Std Amount	Std Units	Samp Amount	Samp Units	SampType	Expiration Date
GAS210122	Unleaded Gasoline Comp. Std.(2.0uL)						6/7/2023
GASL211208	Low Gasoline Std.						6/7/2023
GQC201214	Gasoline Composite Mix (1.68uL)	1.68	ul			ICV	4/2/2030
GROS200921	Gro Stock Standard Mt.Gro	0.84	ul			Marker	3/28/2029
SHP0292	VOA 1:1 HCl:H2O Solution		3 drops			ALL	12/15/2025
TFT211208	TFT (1.05uL)						9/10/2029
TFTL211208	TFTL						9/10/2029
TFTM211208	TFTM						9/10/2029

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
14913447	CCV_1208VAR	HC-8015-GRO-	CCV		12/10/2021 12:3	1	R371516			0	0					
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Gasoline Range Organics (GRO)	A	ug/L	221.786	221.786		168	0	0	3.55	20	0	132%	80	120	0%	S
Total Purgeable Hydrocarbons	A	ug/L	229.2002	229.2002		200	0	0	3.69	20	0	115%	80	120	0%	
Trifluorotoluene	S	ug/L	20.03532	20.03532		25	0	0	0.131	1	0	80%	80	120	0%	
GRO as Gasoline	X	ug/L	221.786	221.786		0	0	0	3.55	20	0	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
14913448	CCV_1208VAR	HC-8015-GRO-	CCV		12/10/2021 2:51:	1	R371516			0	0					
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Gasoline Range Organics (GRO)	A	ug/L	19.36343	19.36343		16.8	0	0	3.55	20	0	115%	80	120	0%	
Total Purgeable Hydrocarbons	A	ug/L	22.86042	22.86042		20	0	0	3.69	20	0	114%	80	120	0%	
Trifluorotoluene	S	ug/L	1.200123	1.200123		1	0	0	0.131	1	0	120%	80	120	0%	
GRO as Gasoline	X	ug/L	19.36343	19.36343		0	0	0	3.55	20	0	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
14913449	CCV_1208VAR	HC-8015-GRO-	CCV		12/10/2021 3:25:	1	R371516		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Gasoline Range Organics (GRO)	A	ug/L	86.64822	86.64822		84	0	0	3.55	20	0	103%	80	120	0%	
Total Purgeable Hydrocarbons	A	ug/L	104.0397	104.0397		100	0	0	3.69	20	0	104%	80	120	0%	
Trifluorotoluene	S	ug/L	5.962319	5.962319		5	0	0	0.131	1	0	119%	80	120	0%	
GRO as Gasoline	X	ug/L	86.64822	86.64822		0	0	0	3.55	20	0	0%	0	0	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
14913450	CCV_1208VAR	HC-8015-GRO-	CCV		12/10/2021 3:59:	1	R371516		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Gasoline Range Organics (GRO)	A	ug/L	171.1369	171.1369		168	0	0	3.55	20	0	102%	80	120	0%	
Total Purgeable Hydrocarbons	A	ug/L	202.5095	202.5095		200	0	0	3.69	20	0	101%	80	120	0%	
Trifluorotoluene	S	ug/L	22.84635	22.84635		25	0	0	0.131	1	0	91%	80	120	0%	
GRO as Gasoline	X	ug/L	171.1369	171.1369		0	0	0	3.55	20	0	0%	0	0	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
14913451	CCV_1208VAR	HC-8015-GRO-	CCV		12/10/2021 4:33:	1	R371516		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Gasoline Range Organics (GRO)	A	ug/L	765.2867	765.2867		840	0	0	3.55	20	0	91%	80	120	0%	
Total Purgeable Hydrocarbons	A	ug/L	914.3724	914.3724		1000	0	0	3.69	20	0	91%	80	120	0%	
Trifluorotoluene	S	ug/L	85.18011	85.18011		100	0	0	0.131	1	0	85%	80	120	0%	
GRO as Gasoline	X	ug/L	765.2867	765.2867		0	0	0	3.55	20	0	0%	0	0	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
14913452	CCV_1208VAR	HC-8015-GRO-	CCV		12/10/2021 5:08:	1	R371516		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Gasoline Range Organics (GRO)	A	ug/L	1488.75	1488.75		1680	0	0	3.55	20	0	89%	80	120	0%	
Total Purgeable Hydrocarbons	A	ug/L	1779.326	1779.326		2000	0	0	3.69	20	0	89%	80	120	0%	
Trifluorotoluene	S	ug/L	168.3369	168.3369		200	0	0	0.131	1	0	84%	80	120	0%	
GRO as Gasoline	X	ug/L	1488.75	1488.75		0	0	0	3.55	20	0	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
14913453	LCS_1208VAR7	HC-8015-GRO-	LCS		12/10/2021 6:16:	1	R371516		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Gasoline Range Organics (GRO)	A	ug/L	171.7639	171.7639		170	0	0	3.55	20	0	101%	70	130	0%	
Total Purgeable Hydrocarbons	A	ug/L	209.8679	209.8679		200	0	0	3.69	20	0	105%	70	130	0%	
Trifluorotoluene	S	ug/L	22.35714	22.35714		25	0	0	0.131	1	0	89%	70	130	0%	
GRO as Gasoline	X	ug/L	171.7639	171.7639		170	0	0	3.55	20	0	101%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
14913454	CCV_1208VAR	HC-8015-GRO-	CCV		12/10/2021 6:50:	1	R371516		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Gasoline Range Organics (GRO)	A	ug/L	167.6036	167.6036		168	0	0	3.55	20	0	100%	80	120	0%	
Total Purgeable Hydrocarbons	A	ug/L	199.8128	199.8128		200	0	0	3.69	20	0	100%	80	120	0%	
Trifluorotoluene	S	ug/L	22.63931	22.63931		25	0	0	0.131	1	0	91%	80	120	0%	
GRO as Gasoline	X	ug/L	167.6036	167.6036		0	0	0	3.55	20	0	0%	0	0	0%	

Data File	Sample Name	Method	Weight	Dil Factor	Amt Inj.	IS	Cal ID
G:\Org\VAR\DAT\VAR120821_b\1208VAR.60r	CCV_1208VAR60r, GQC ;1208VAR ,	G:\Org\VAR\Methods\21120	1	1	1	1	0
G:\Org\VAR\DAT\VAR120821_b\1208VAR.61r	BLANK	G:\Org\VAR\Methods\21120	1	1	1	1	0
G:\Org\VAR\DAT\VAR120821_b\1208VAR.62r	BLANK	G:\Org\VAR\Methods\21120	1	1	1	1	0
G:\Org\VAR\DAT\VAR120821_b\1208VAR.63r	BLANK	G:\Org\VAR\Methods\21120	1	1	1	1	0
G:\Org\VAR\DAT\VAR120821_b\1208VAR.64r	CCV_1208VAR64r, GQC ;1208VAR ,	G:\Org\VAR\Methods\21120	1	1	1	1	0
G:\Org\VAR\DAT\VAR120821_b\1208VAR.65r	CCV_1208VAR65r, GQC ;1208VAR ,	G:\Org\VAR\Methods\21120	1	1	1	1	0
G:\Org\VAR\DAT\VAR120821_b\1208VAR.66r	CCV_1208VAR66r, GQC ;1208VAR ,	G:\Org\VAR\Methods\21120	1	1	1	1	0
G:\Org\VAR\DAT\VAR120821_b\1208VAR.67r	CCV_1208VAR67r, GQC ;1208VAR ,	G:\Org\VAR\Methods\21120	1	1	1	1	0
G:\Org\VAR\DAT\VAR120821_b\1208VAR.68r	CCV_1208VAR68r, GQC ;1208VAR ,	G:\Org\VAR\Methods\21120	1	1	1	1	0
G:\Org\VAR\DAT\VAR120821_b\1208VAR.69r	BLANK	G:\Org\VAR\Methods\21120	1	1	1	1	0
G:\Org\VAR\DAT\VAR120821_b\1208VAR.70r	LCS_1208VAR70r, GQC ;1208VAR ,	G:\Org\VAR\Methods\21120	5	1	1	1	0
G:\Org\VAR\DAT\VAR120821_b\1208VAR.71r	CCV_1208VAR71r, GQC ;1208VAR ,	G:\Org\VAR\Methods\21120	1	1	1	1	0
G:\Org\VAR\DAT\VAR120821_b\1208VAR.72r	BLANK	G:\Org\VAR\Methods\21120	1	1	1	1	0

File Name: G:\Org\VAR\Cals\211208GRO8015CB.CAL
 Version: 3

Creator: jmp
 Description: Column Restex Rtx 502.2 12/8/21
 Reason for change:

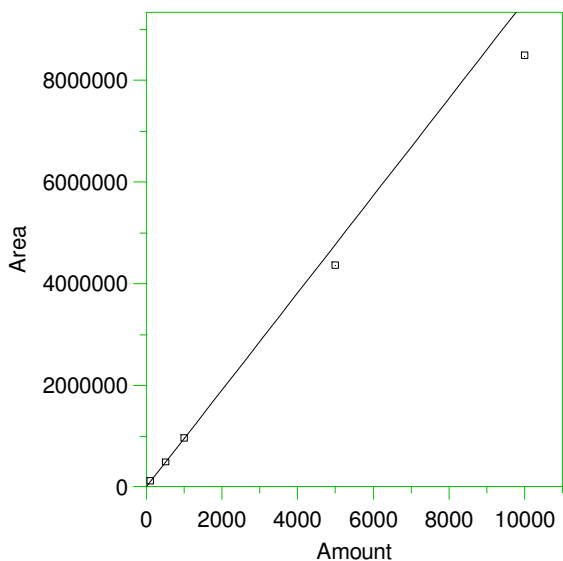
External standard calibration

Standard injection volume: 1
 Standard sample weight: 1
 Area reject threshold: 50
 Reference peak area reject threshold: 15000
 Amount units: nanograms
 No default component

Method of calculating data point averages: Current update equal to cal data
 Print calibration update report

All levels are normal data points.

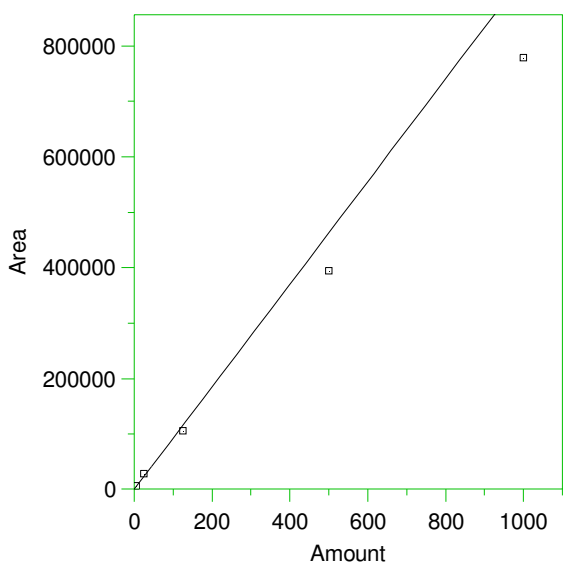
1 TPH



Expected retention time: 4.87 minutes
 Search window: 0.12 minutes
 No retention time reference component
 Group number: 1
 High alarm limit: 1000000
 Low alarm limit: 1000
 Component constant: 1
 Single peak quantification by area
 Y = 955.6747 X + 0
 Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9748226
 Average error: 7.839%
 Average CF: 955.6747
 RSD: 10.216%

Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	100	109235.6	1092.356	14.302	Manual	12/10/2021 7:35:02 AM
2	500	497140.5	994.281	4.040	Manual	12/10/2021 7:35:21 AM
3	1000	967665.8	967.6658	1.255	Manual	12/10/2021 7:35:40 AM
4	5000	4369213	873.8426	-8.563	Manual	12/10/2021 7:35:59 AM
5	10000	8502283	850.2283	-11.034	Manual	12/10/2021 7:36:14 AM

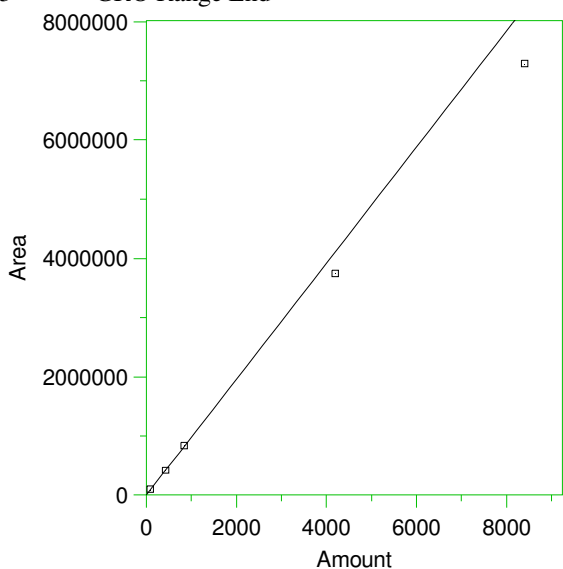
2 **Trifluorotoluene



Expected retention time: 9.01 minutes
 Search window: 0.15 minutes
 No retention time reference component
 Group number: 1
 High alarm limit: 1000000
 Low alarm limit: 1000
 Component constant: 1
 Single peak quantification by area
 $Y = 925.8474 X + 0$
 Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9388383
 Average error: 15.706%
 Average CF: 925.8474
 RSD: 18.136%

Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	5	5556	1111.2	20.020	Manual	12/10/2021 7:33:35 AM
2	25	27601	1104.04	19.246	Manual	12/10/2021 7:28:46 AM
3	125	105761	846.088	-8.615	Manual	12/10/2021 7:29:43 AM
4	500	394319	788.638	-14.820	Manual	12/10/2021 7:31:11 AM
5	1000	779271	779.271	-15.832	Manual	12/10/2021 7:32:35 AM

3 GRO Range End

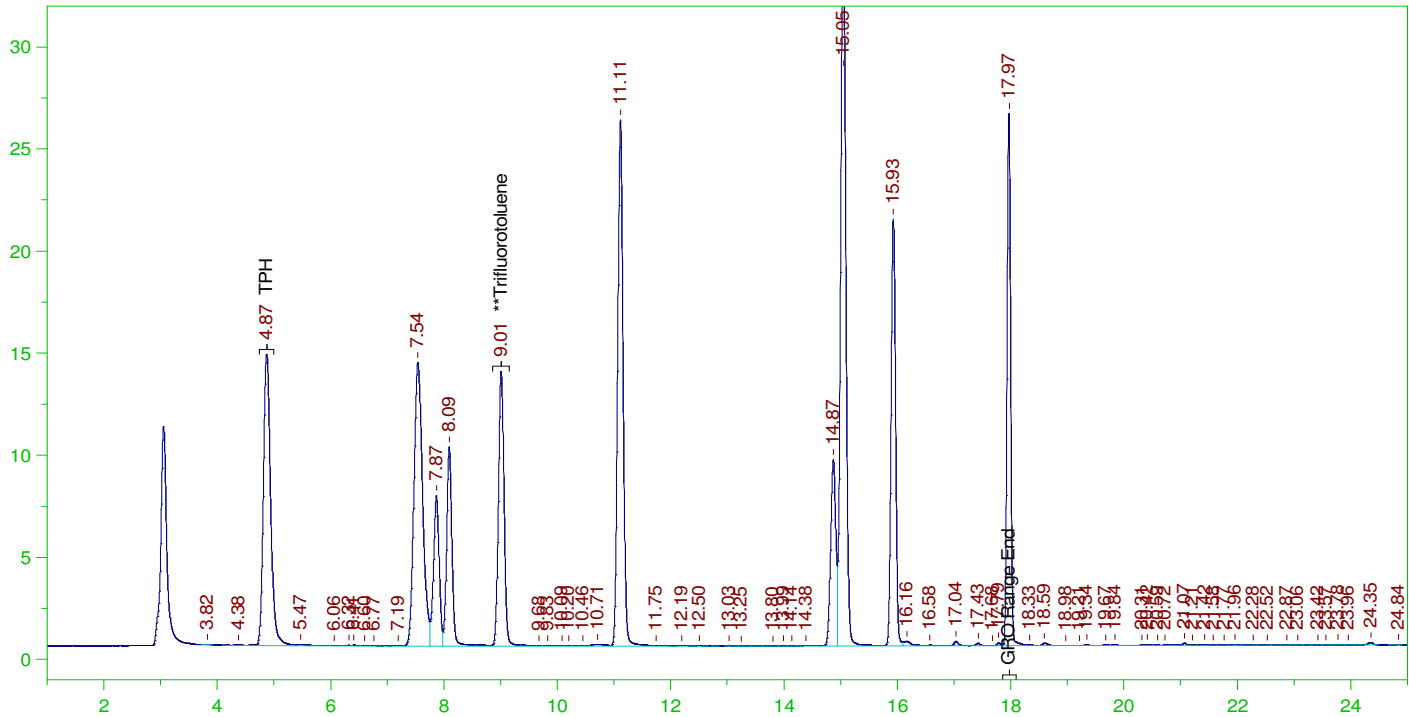


Expected retention time: 17.97 minutes
 Search window: 0.12 minutes
 No retention time reference component
 Group number: 1
 High alarm limit: 1000000
 Low alarm limit: 1000
 Component constant: 1
 Single peak quantification by area
 $Y = 979.9788 X + 0$
 Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9729225
 Average error: 8.111%
 Average CF: 979.9788
 RSD: 10.665%

Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	84	94878.77	1129.509	15.259	Manual	12/10/2021 7:35:09 AM
2	420	424567.1	1010.874	3.153	Manual	12/10/2021 7:35:26 AM
3	840	838552.8	998.2772	1.867	Manual	12/10/2021 7:35:45 AM
4	4200	3749824	892.8152	-8.894	Manual	12/10/2021 7:36:05 AM
5	8400	7294716	868.4186	-11.384	Manual	12/10/2021 7:36:20 AM

G:\Org\VAR\DAT\VAR120821_b\1208VARB.0060.RAW

CCV_1208VAR60r, GQC ;1208VAR ,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_1208VAR60r, GQC ;1208VAR ,
Raw File: G:\Org\VAR\DAT\VAR120821_b\1208VARB.0060.RAW
Date & Time Acquired: 12/10/2021 12:35:18 AM
Method File: G:\Org\VAR\Methods\211208GROB%.MET
Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for GRO: 979.9788
Mean RF for TPH: 955.6747
Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	9.01	125.	100.177	80.14	-

GRO Area:1086728 GRO Amount: 1108.93
TPH Area:1095204 TPH Amount: 1146.001

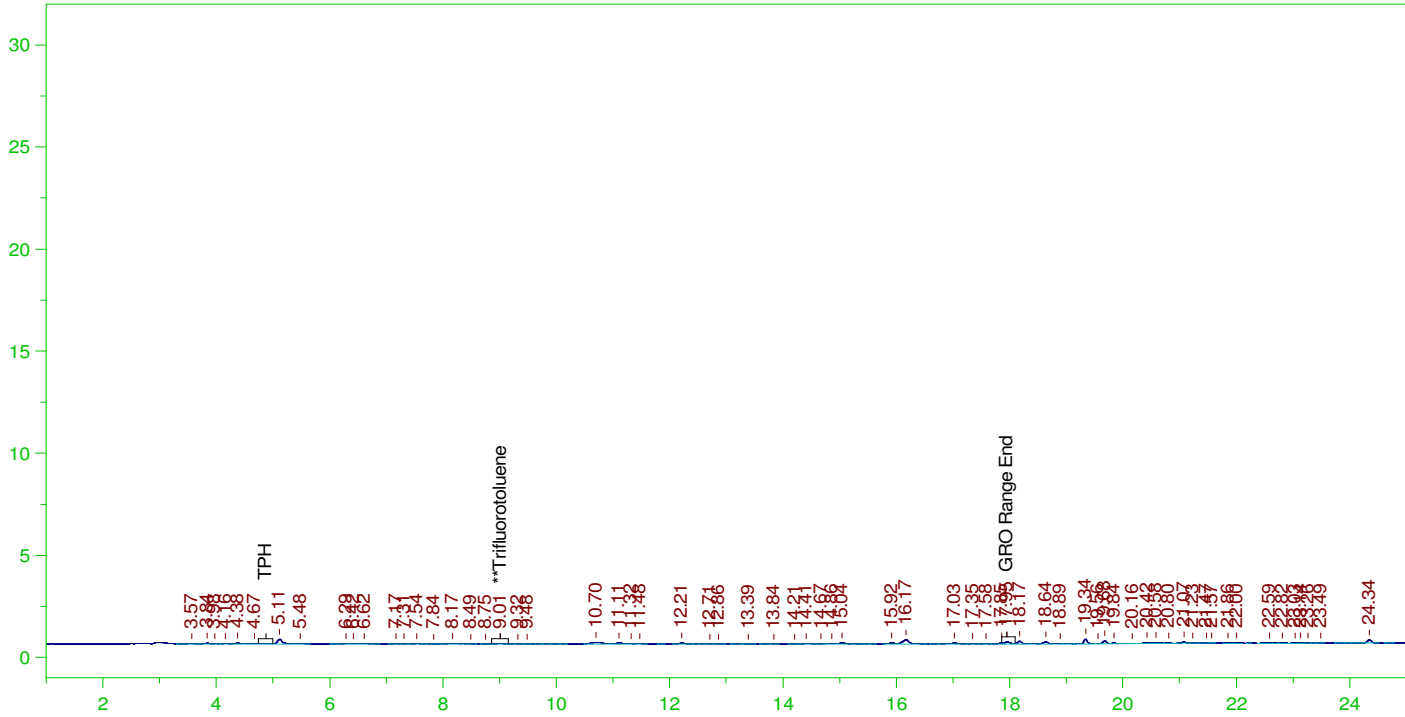
CONTINUING CALIBRATION REPORT: G:\Org\VAR\DAT\VAR120821_b\1208VARB.0060.RAW

COMPOUND	ACTUAL (NG)	MEASURED (NG)	%RECOVERY	LIMITS
GRO	840.	1108.93	132.02	85-115
TPH	1000.	1146.	114.6	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	9.01	125.	100.177	80.14	85-115

G:\Org\VAR\DAT\VAR120821_b\1208VARB.0061.RAW

BLANK



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\VAR\DAT\VAR120821_b\1208VARB.0061.RAW
 Date & Time Acquired: 12/10/2021 1:09:21 AM
 Method File: G:\Org\VAR\Methods\211208GROB%.MET
 Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

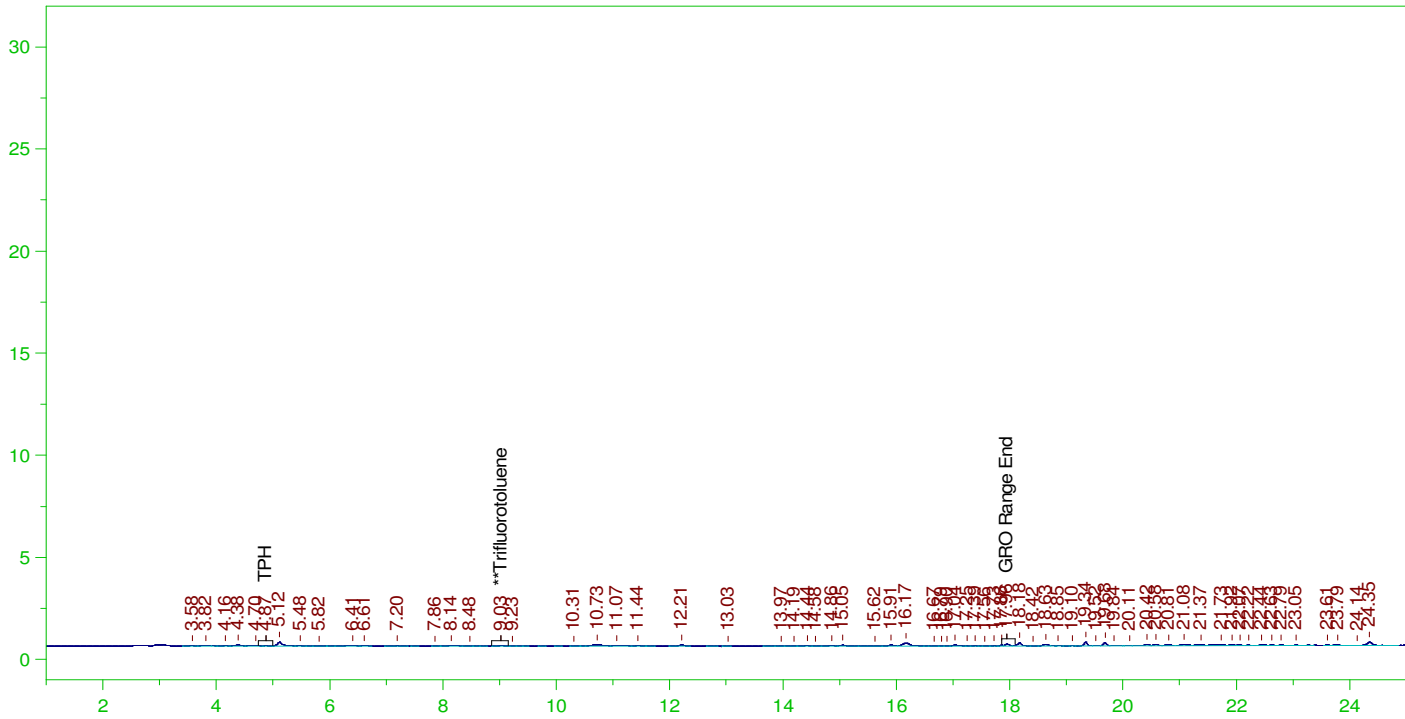
Mean RF for GRO: 979.9788
 Mean RF for TPH: 955.6747
 Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.008	125.	.281	.23

GRO Area:12535.49 GRO Amount: 12.79159
 TPH Area:22619.29 TPH Amount: 23.6684

G:\Org\VAR\DAT\VAR120821_b\1208VARB.0062.RAW

BLANK



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\VAR\DAT\VAR120821_b\1208VARB.0062.RAW
 Date & Time Acquired: 12/10/2021 1:43:27 AM
 Method File: G:\Org\VAR\Methods\211208GROB%.MET
 Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

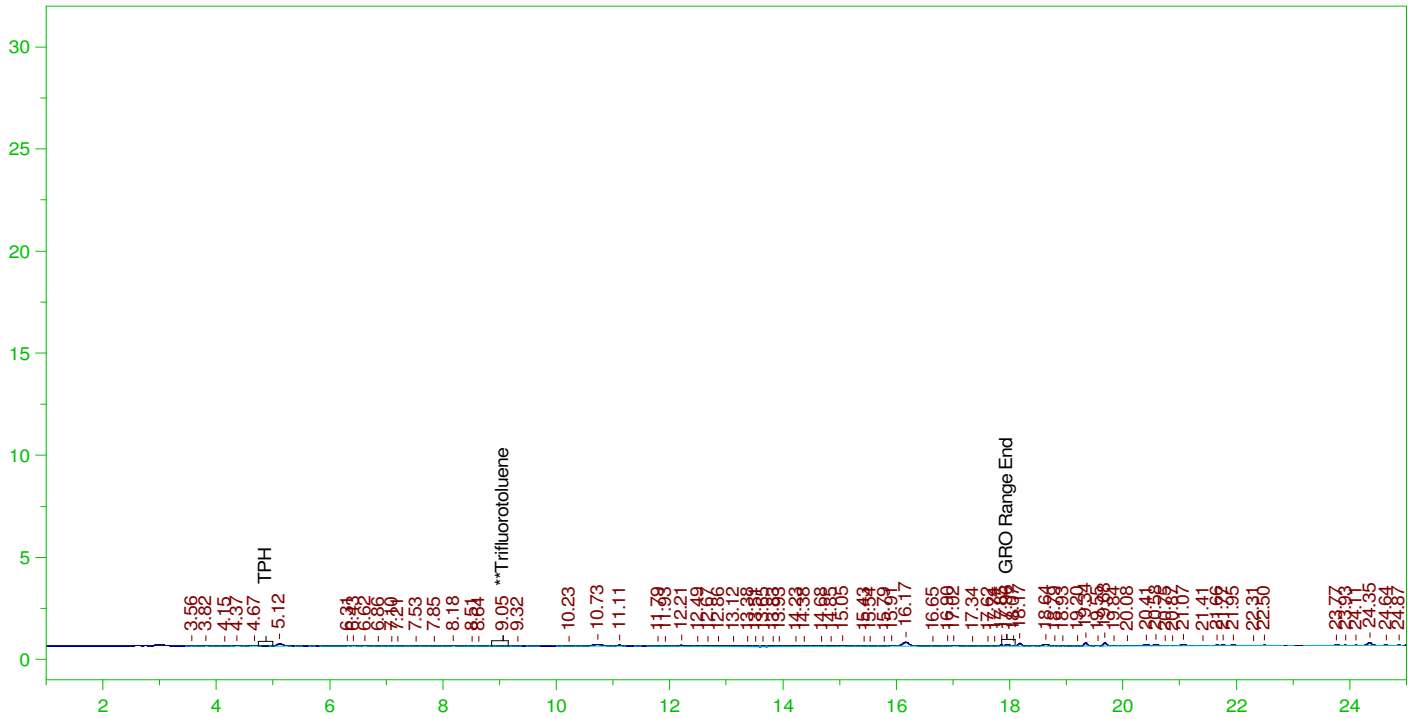
Mean RF for GRO: 979.9788
 Mean RF for TPH: 955.6747
 Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.028	125.	.235	.19

GRO Area:12352.84 GRO Amount: 12.60521
 TPH Area:24237.5 TPH Amount: 25.36166

G:\Org\VAR\DAT\VAR120821_b\1208VARB.0063.RAW

BLANK



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\VAR\DAT\VAR120821_b\1208VARB.0063.RAW
 Date & Time Acquired: 12/10/2021 2:17:34 AM
 Method File: G:\Org\VAR\Methods\211208GROB%.MET
 Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

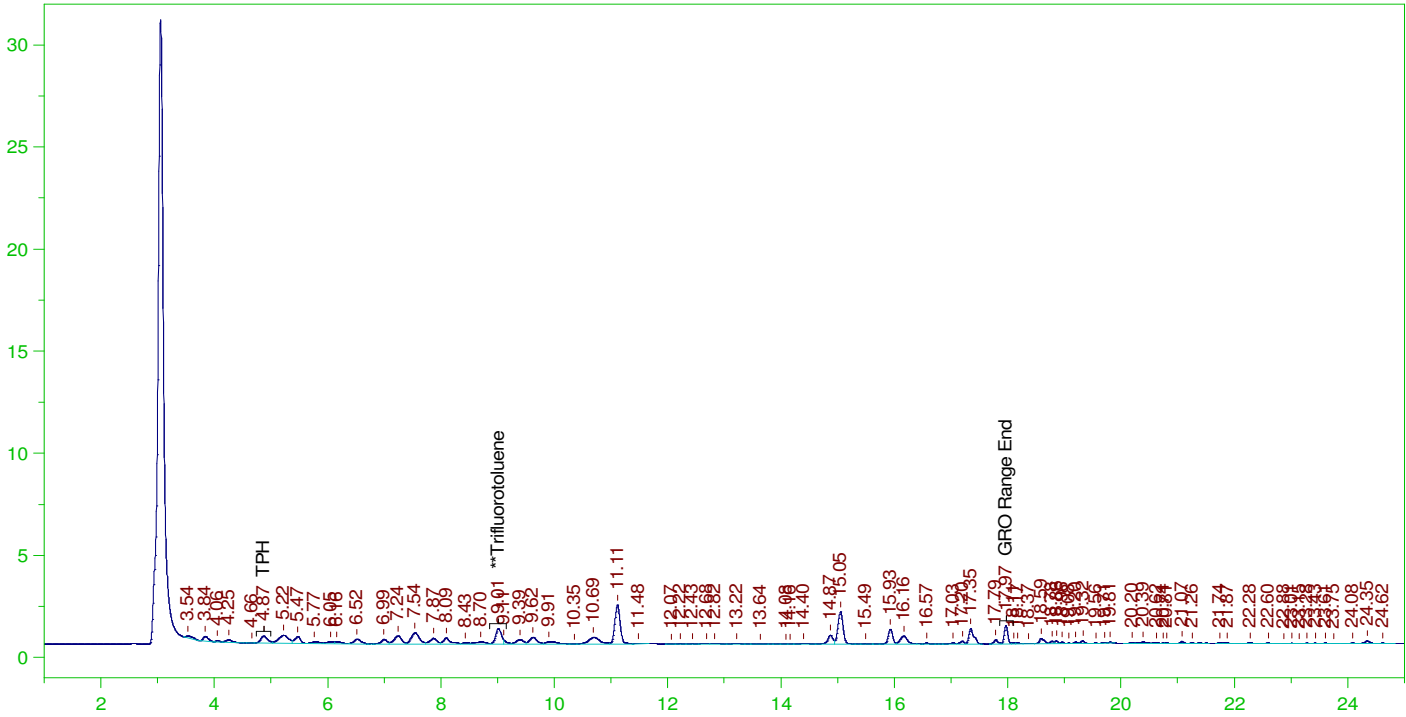
Mean RF for GRO: 979.9788
 Mean RF for TPH: 955.6747
 Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.054	125.	.219	.18

GRO Area:12181.76 GRO Amount: 12.43063
 TPH Area:21574.09 TPH Amount: 22.57472

G:\Org\VAR\DAT\VAR120821_b\1208VARB.0064.RAW

CCV_1208VAR64r, GQC ;1208VAR ,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_1208VAR64r, GQC ;1208VAR ,
Raw File: G:\Org\VAR\DAT\VAR120821_b\1208VARB.0064.RAW
Date & Time Acquired: 12/10/2021 2:51:41 AM
Method File: G:\Org\VAR\Methods\211208GROG1B%.MET
Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for GRO: 979.9788
Mean RF for TPH: 955.6747
Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.014	125.	6.001	4.8

GRO Area:94878.77 GRO Amount: 96.81716
TPH Area:109235.6 TPH Amount: 114.3021

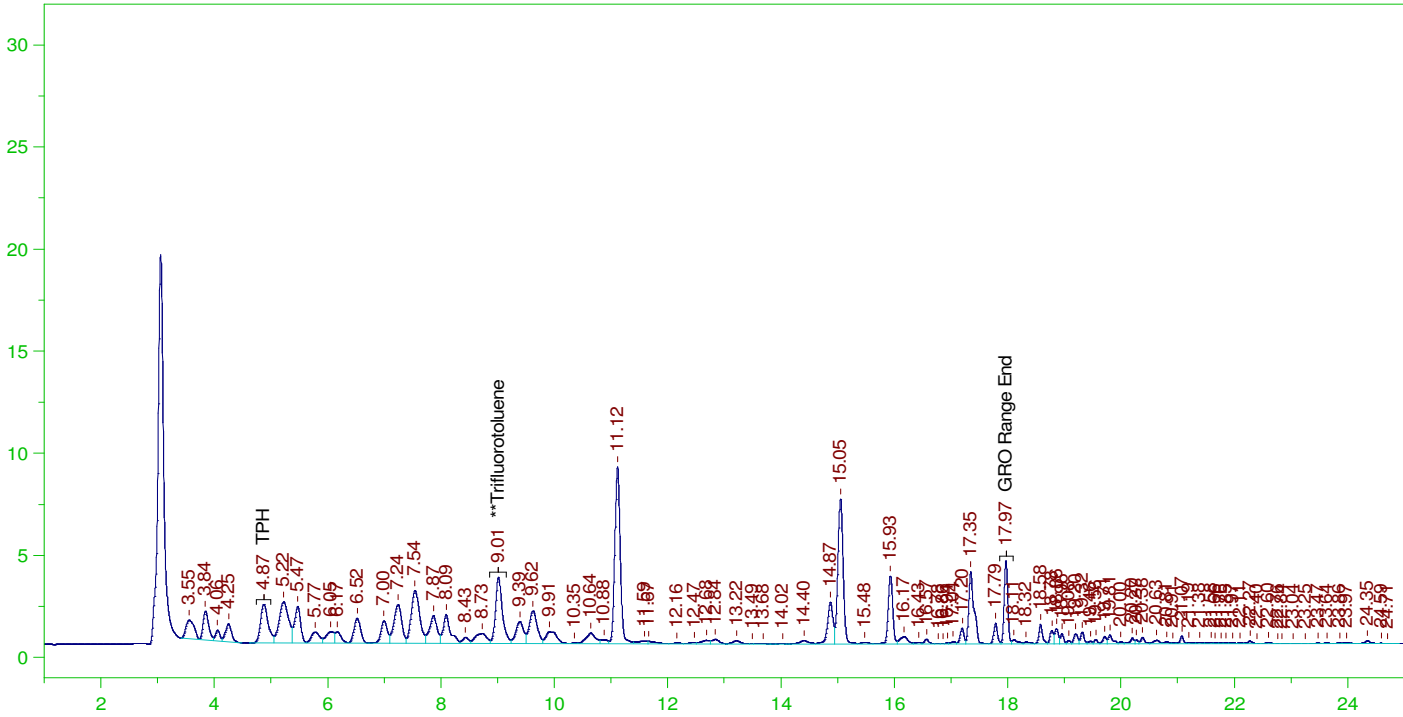
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COMPOUND	ACTUAL (NG)	MEASURED (NG)	%RECOVERY	LIMITS
GRO	840.	96.82	11.53	85-115
TPH	1000.	114.3	11.43	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	9.014	125.	6.001	4.8	85-115

G:\Org\VAR\DAT\VAR120821_b\1208VARB.0065.RAW

CCV_1208VAR65r, GQC ;1208VAR ,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_1208VAR65r, GQC ;1208VAR ,
Raw File: G:\Org\VAR\DAT\VAR120821_b\1208VARB.0065.RAW
Date & Time Acquired: 12/10/2021 3:25:47 AM
Method File: G:\Org\VAR\Methods\211208GROG2B%.MET
Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for GRO: 979.9788
Mean RF for TPH: 955.6747
Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	9.015	125.	29.812	23.85	-

GRO Area:424567.1 GRO Amount: 433.2411
TPH Area:497140.5 TPH Amount: 520.1984

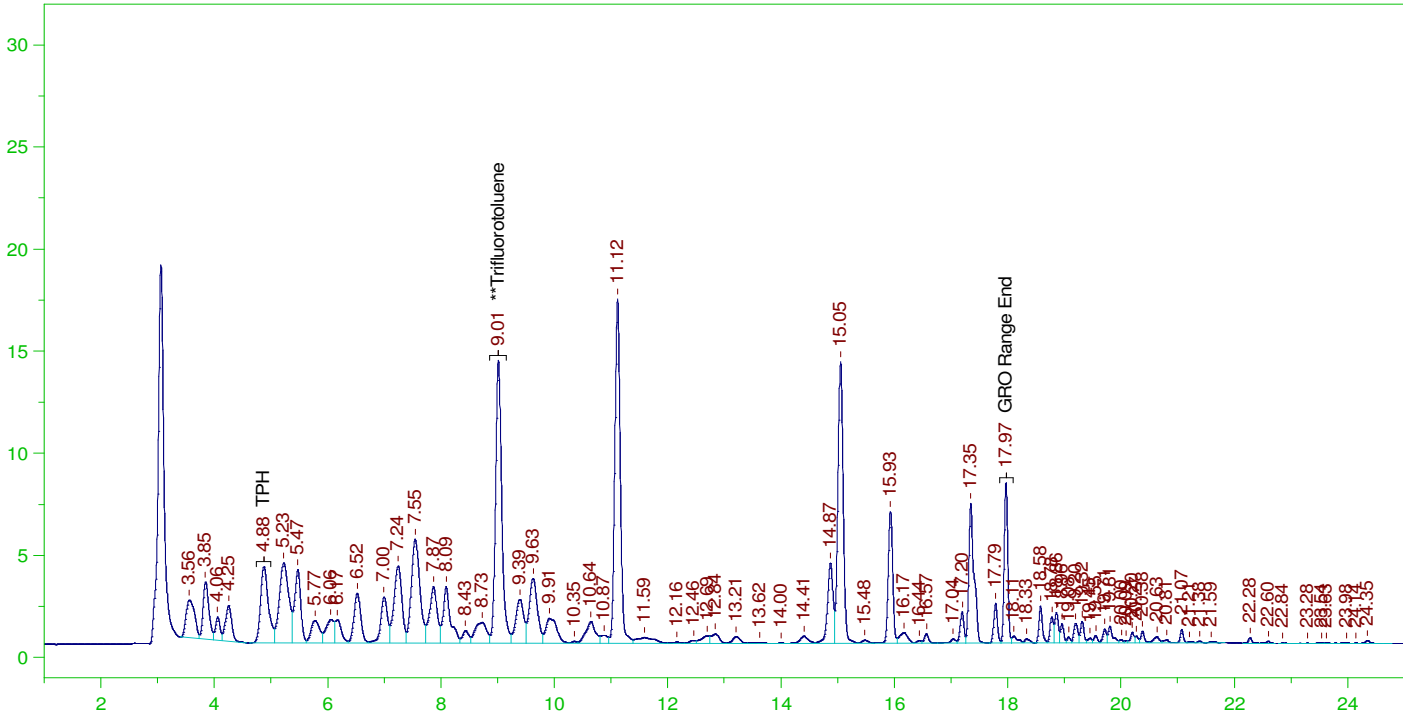
CONTINUING CALIBRATION REPORT: G:\Org\VAR\DAT\VAR120821_b\1208VARB.0065.RAW

COMPOUND	ACTUAL (NG)	MEASURED (NG)	%RECOVERY	LIMITS
GRO	840.	433.24	51.58	85-115
TPH	1000.	520.2	52.02	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	9.015	125.	29.812	23.85	85-115

G:\Org\VAR\DAT\VAR120821_b\1208VARB.0066.RAW

CCV_1208VAR66r, GQC ;1208VAR ,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_1208VAR66r, GQC ;1208VAR ,
Raw File: G:\Org\VAR\DAT\VAR120821_b\1208VARB.0066.RAW
Date & Time Acquired: 12/10/2021 3:59:53 AM
Method File: G:\Org\VAR\Methods\211208GROG3B%.MET
Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for GRO: 979.9788
Mean RF for TPH: 955.6747
Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	9.013	125.	114.232	91.39	-

GRO Area:838552.8 GRO Amount: 855.6846
TPH Area:967665.8 TPH Amount: 1012.547

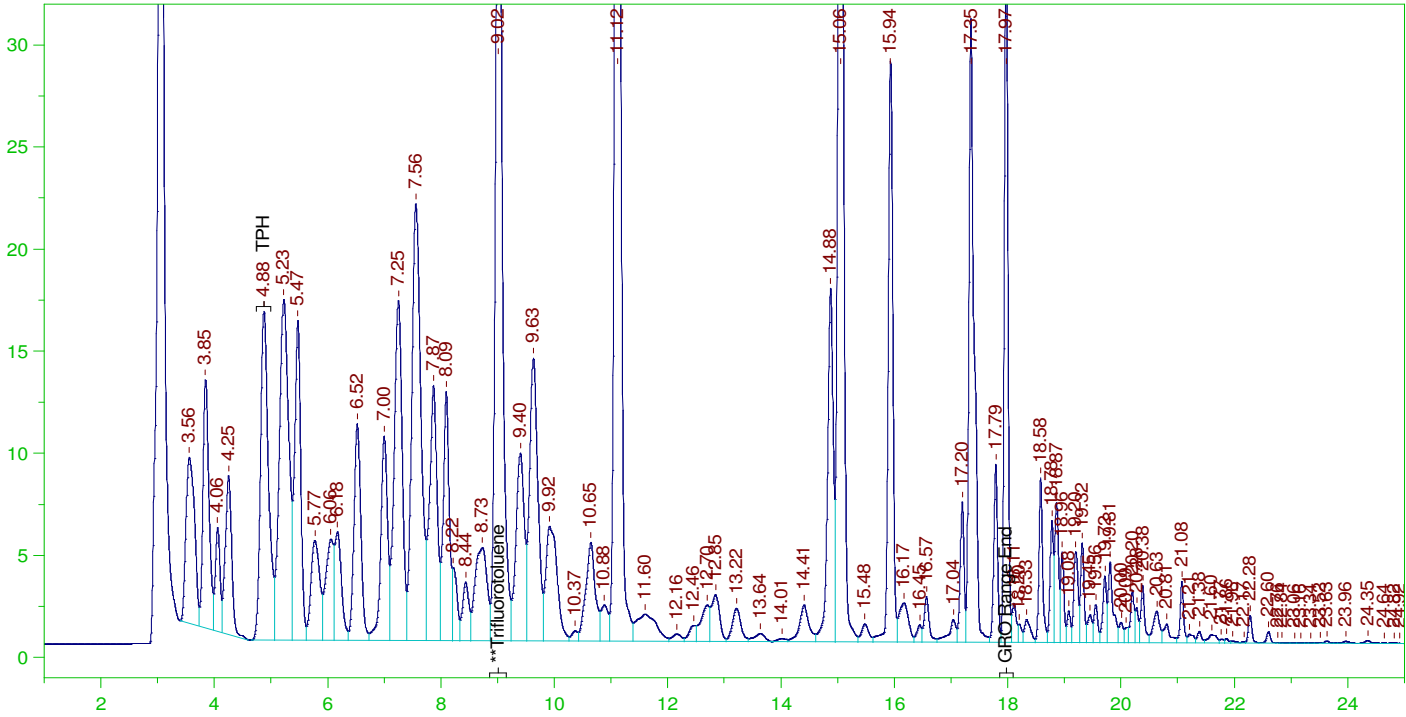
CONTINUING CALIBRATION REPORT: G:\Org\VAR\DAT\VAR120821_b\1208VARB.0066.RAW

COMPOUND	ACTUAL (NG)	MEASURED (NG)	%RECOVERY	LIMITS
GRO	840.	855.68	101.87	85-115
TPH	1000.	1012.55	101.25	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	9.013	125.	114.232	91.39	85-115

G:\Org\VAR\DAT\VAR120821_b\1208VARB.0067.RAW

CCV_1208VAR67r, GQC ;1208VAR ,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_1208VAR67r, GQC ;1208VAR ,
Raw File: G:\Org\VAR\DAT\VAR120821_b\1208VARB.0067.RAW
Date & Time Acquired: 12/10/2021 4:33:58 AM
Method File: G:\Org\VAR\Methods\211208GROG4B%.MET
Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for GRO: 979.9788
Mean RF for TPH: 955.6747
Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.016	125.	425.901	340.72

GRO Area:3749824 GRO Amount: 3826.434
TPH Area:4369213 TPH Amount: 4571.862

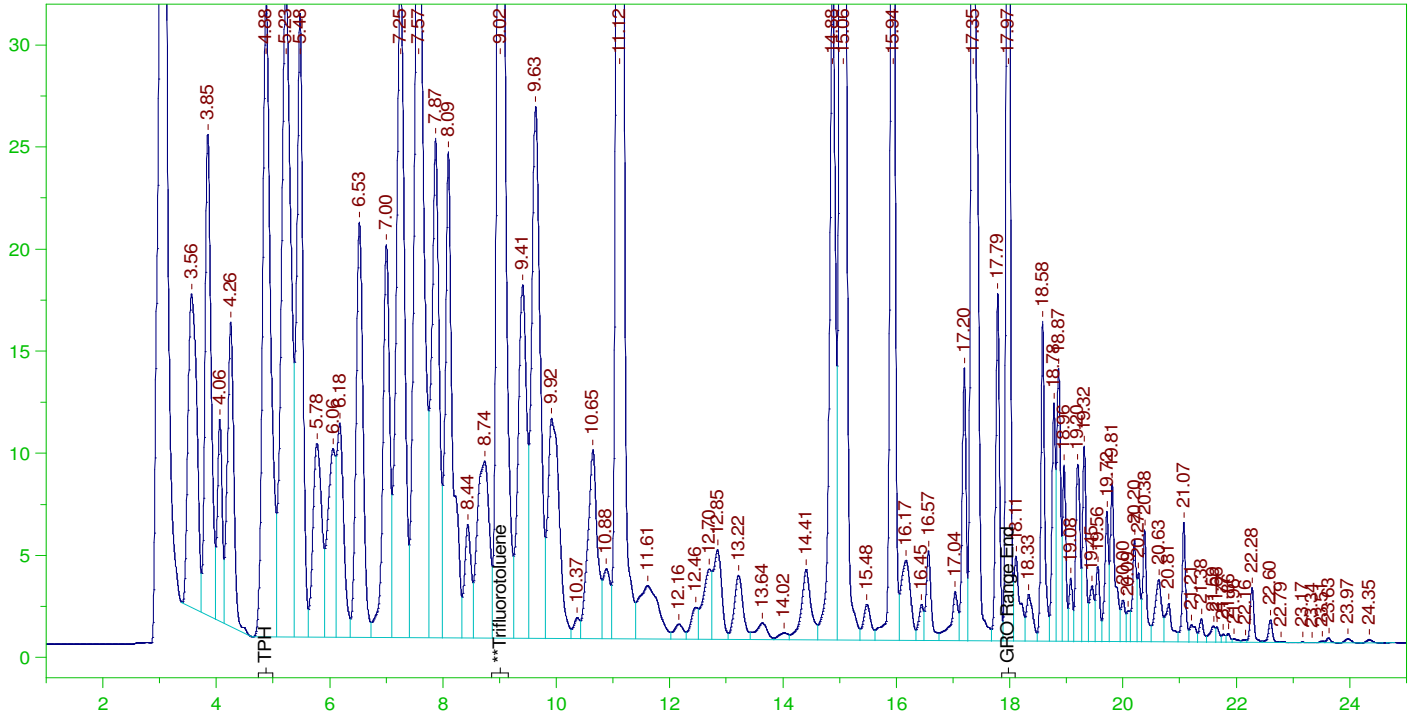
CONTINUING CALIBRATION REPORT: G:\Org\VAR\DAT\VAR120821_b\1208VARB.0067.RAW

COMPOUND	ACTUAL (NG)	MEASURED (NG)	%RECOVERY	LIMITS
GRO	840.	3826.43	455.53	85-115
TPH	1000.	4571.86	457.19	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	9.016	125.	425.901	340.72	85-115

G:\Org\VAR\DAT\VAR120821_b\1208VARB.0068.RAW

CCV_1208VAR68r, GQC ;1208VAR ,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_1208VAR68r, GQC ;1208VAR ,
Raw File: G:\Org\VAR\DAT\VAR120821_b\1208VARB.0068.RAW
Date & Time Acquired: 12/10/2021 5:08:06 AM
Method File: G:\Org\VAR\Methods\211208GROG5B%.MET
Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for GRO: 979.9788
Mean RF for TPH: 955.6747
Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	9.017	125.	841.684	673.35	-

GRO Area: 7294716 GRO Amount: 7443.749
TPH Area: 8502283 TPH Amount: 8896.629

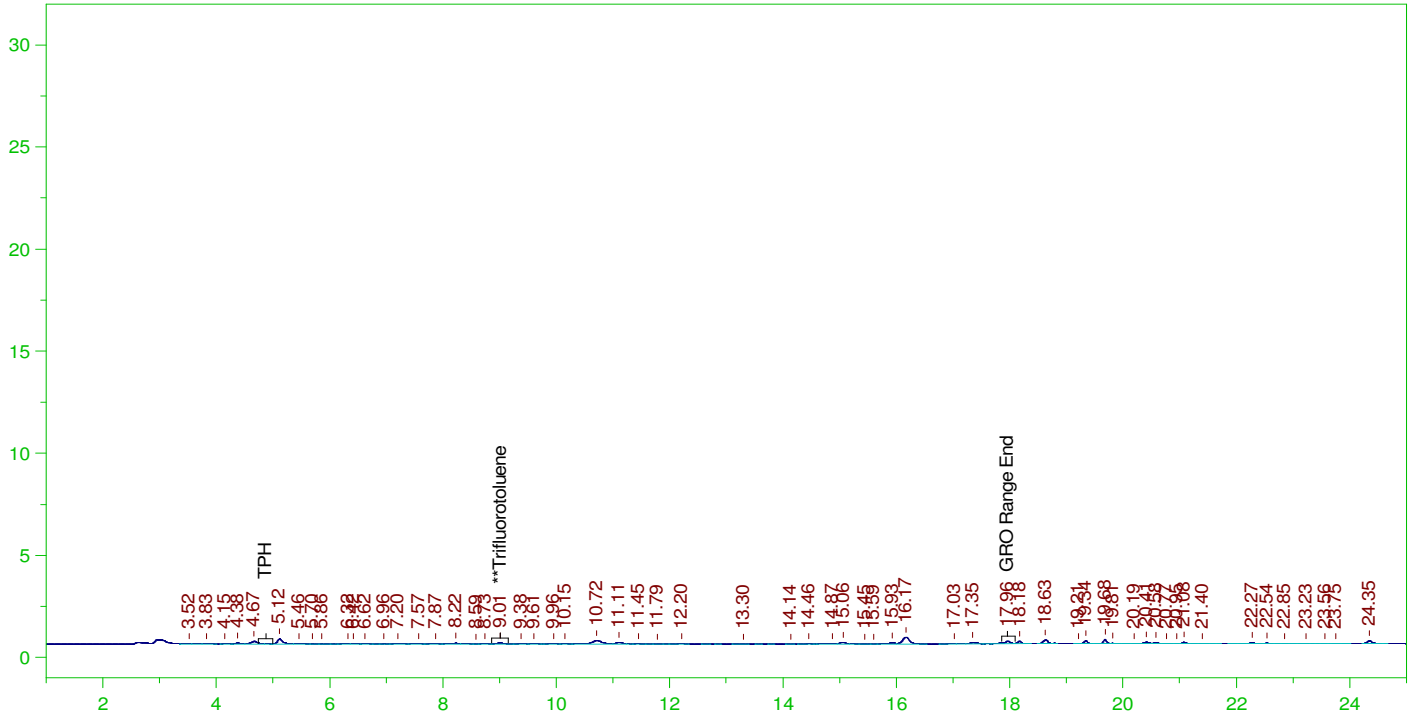
CONTINUING CALIBRATION REPORT: G:\Org\VAR\DAT\VAR120821_b\1208VARB.0068.RAW

COMPOUND	ACTUAL (NG)	MEASURED (NG)	%RECOVERY	LIMITS
GRO	840.	7443.75	886.16	85-115
TPH	1000.	8896.63	889.66	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	9.017	125.	841.684	673.35	85-115

G:\Org\VAR\DAT\VAR120821_b\1208VARB.0069.RAW

BLANK



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\VAR\DAT\VAR120821_b\1208VARB.0069.RAW
 Date & Time Acquired: 12/10/2021 5:42:13 AM
 Method File: G:\Org\VAR\Methods\211208GROB%.MET
 Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

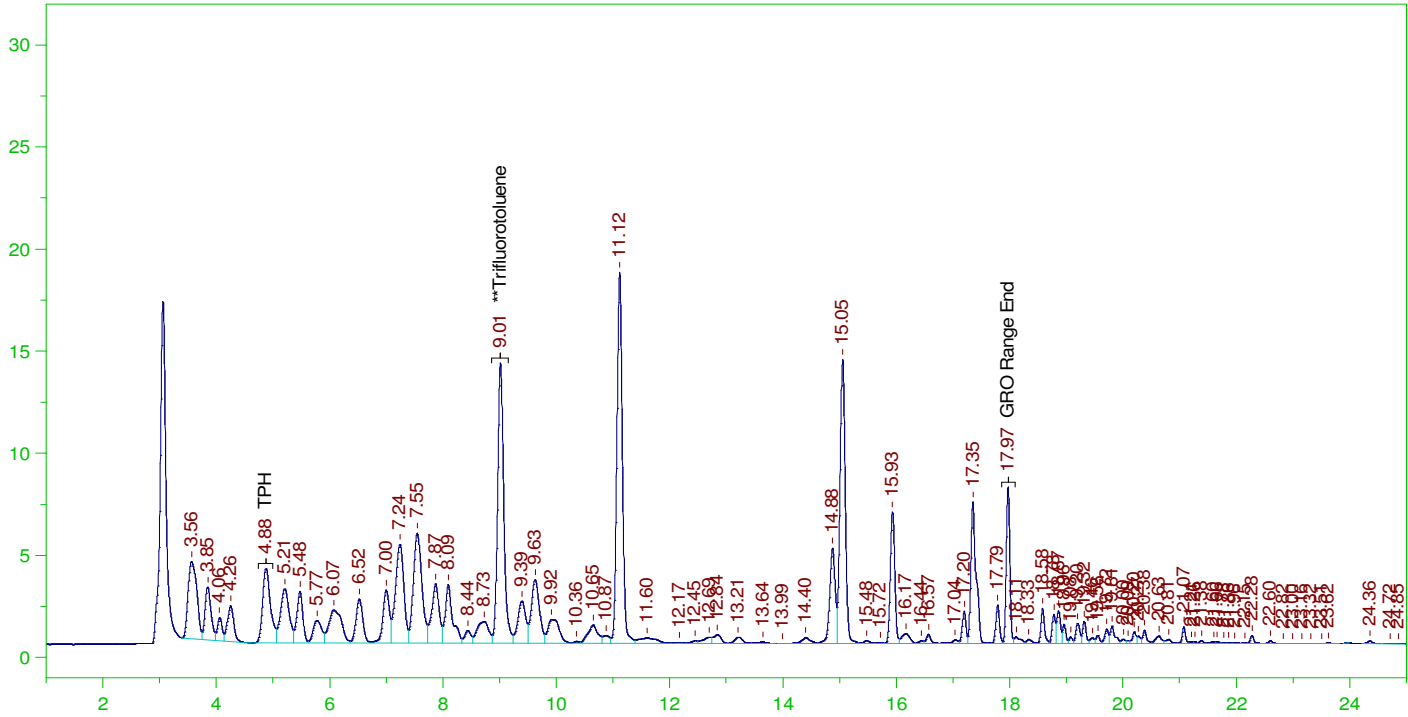
Mean RF for GRO: 979.9788
 Mean RF for TPH: 955.6747
 Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.009	125.	.652	.52

GRO Area:18467.79 GRO Amount: 18.84509
 TPH Area:28108.1 TPH Amount: 29.41179

G:\Org\VAR\DAT\VAR120821_b\1208VARB.0070.RAW

LCS_1208VAR70r, GQC ;1208VAR ,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: LCS_1208VAR70r, GQC ;1208VAR ,
Raw File: G:\Org\VAR\DAT\VAR120821_b\1208VARB.0070.RAW
Date & Time Acquired: 12/10/2021 6:16:20 AM
Method File: G:\Org\VAR\Methods\211208GROICVB%.MET
Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

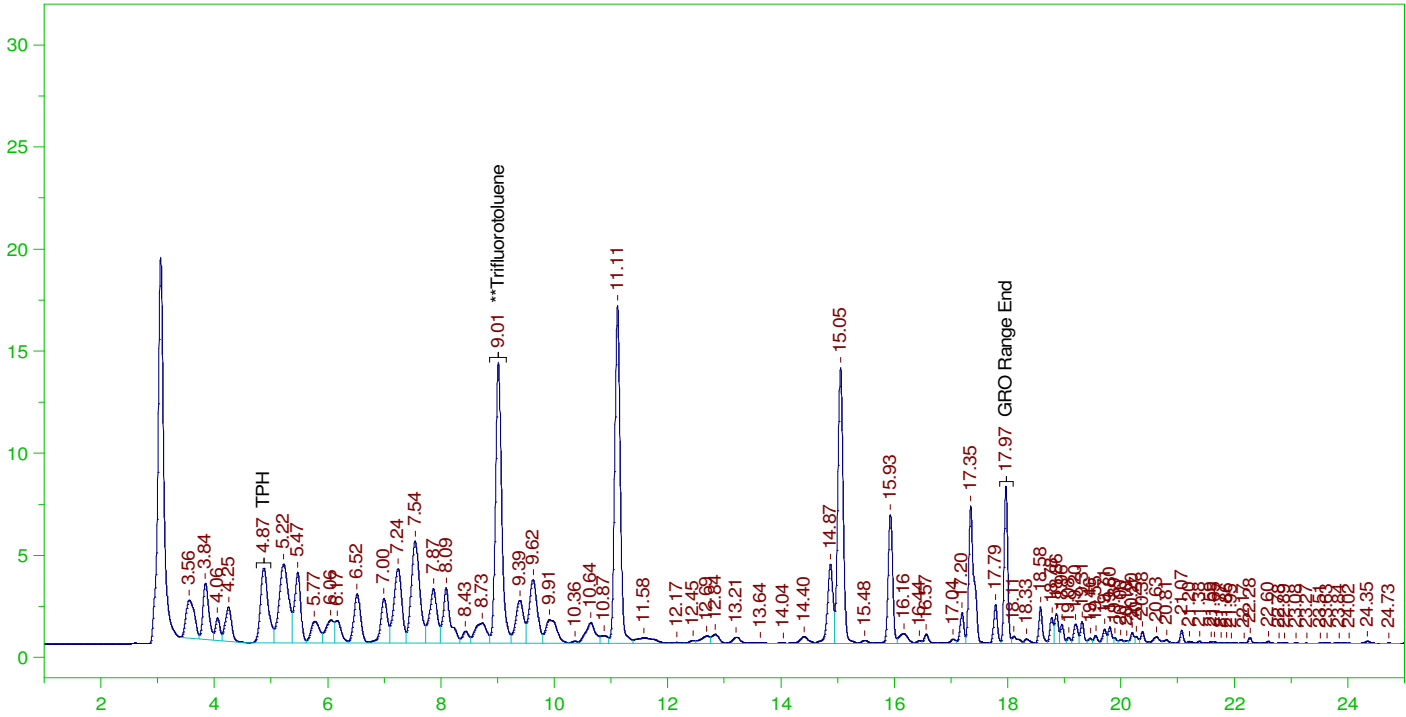
Mean RF for GRO: 979.9788
Mean RF for TPH: 955.6747
Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.015	25.	22.357	89.43

GRO Area:841624.8 GRO Amount: 171.7639
TPH Area:1002827 TPH Amount: 209.8679

G:\Org\VAR\DAT\VAR120821_b\1208VARB.0071.RAW

CCV_1208VAR71r, GQC ;1208VAR ,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_1208VAR71r, GQC ;1208VAR ,
Raw File: G:\Org\VAR\DAT\VAR120821_b\1208VARB.0071.RAW
Date & Time Acquired: 12/10/2021 6:50:26 AM
Method File: G:\Org\VAR\Methods\211208GROCCVB%.MET
Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for GRO: 979.9788
Mean RF for TPH: 955.6747
Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	9.012	125.	113.197	90.56	-

GRO Area:821239.7 GRO Amount: 838.0178
TPH Area:954780.1 TPH Amount: 999.064

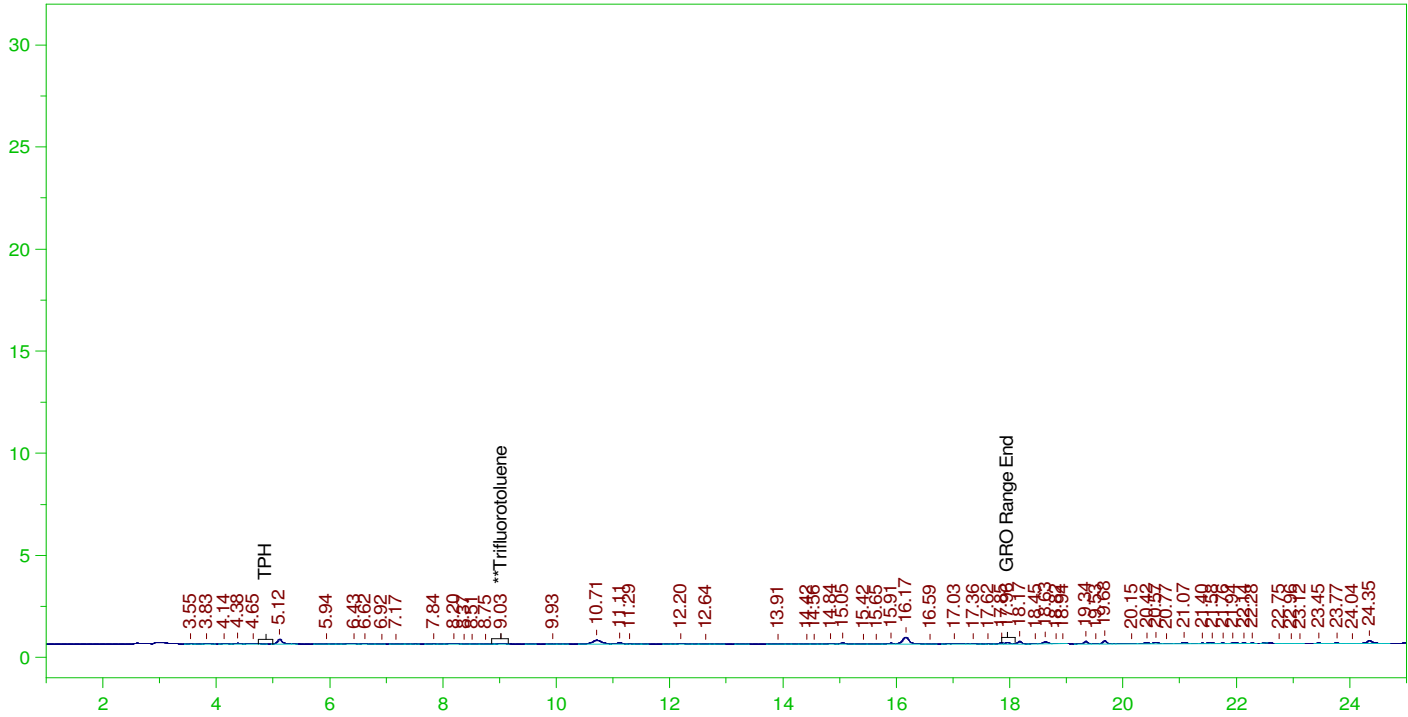
CONTINUING CALIBRATION REPORT: G:\Org\VAR\DAT\VAR120821_b\1208VARB.0071.RAW

COMPOUND	ACTUAL (NG)	MEASURED (NG)	%RECOVERY	LIMITS
GRO	840.	838.02	99.76	85-115
TPH	1000.	999.06	99.91	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	9.012	125.	113.197	90.56	85-115

G:\Org\VAR\DAT\VAR120821_b\1208VARB.0072.RAW

BLANK



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\VAR\DAT\VAR120821_b\1208VARB.0072.RAW
 Date & Time Acquired: 12/10/2021 7:24:31 AM
 Method File: G:\Org\VAR\Methods\211208GROB%.MET
 Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for GRO: 979.9788
 Mean RF for TPH: 955.6747
 Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.026	125.	.179	.14

GRO Area:13332.14 GRO Amount: 13.60451
 TPH Area:23127.14 TPH Amount: 24.19981

Write Sequence	Insert Entries(Have the first cell for entries selecte	Method	Weight	Dil Factor	Amt Inj.	IS	Cal ID	Manual Integrations
G:\Org\VAR\DAT\VAR120821_b\1208VAR.60r	CCV_1208VAR60r, GQC ;1208VAR ,	G:\Org\VAR\Methods\21120	1	1	1	1	0	None
G:\Org\VAR\DAT\VAR120821_b\1208VAR.61r	BLANK	G:\Org\VAR\Methods\21120	1	1	1	1	0	None
G:\Org\VAR\DAT\VAR120821_b\1208VAR.62r	BLANK	G:\Org\VAR\Methods\21120	1	1	1	1	0	None
G:\Org\VAR\DAT\VAR120821_b\1208VAR.63r	BLANK	G:\Org\VAR\Methods\21120	1	1	1	1	0	None
G:\Org\VAR\DAT\VAR120821_b\1208VAR.64r	CCV_1208VAR64r, GQC ;1208VAR ,	G:\Org\VAR\Methods\21120	1	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\VAR\DAT\VAR120821_b\1208VAR.65r	CCV_1208VAR65r, GQC ;1208VAR ,	G:\Org\VAR\Methods\21120	1	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\VAR\DAT\VAR120821_b\1208VAR.66r	CCV_1208VAR66r, GQC ;1208VAR ,	G:\Org\VAR\Methods\21120	1	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\VAR\DAT\VAR120821_b\1208VAR.67r	CCV_1208VAR67r, GQC ;1208VAR ,	G:\Org\VAR\Methods\21120	1	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\VAR\DAT\VAR120821_b\1208VAR.68r	CCV_1208VAR68r, GQC ;1208VAR ,	G:\Org\VAR\Methods\21120	1	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\VAR\DAT\VAR120821_b\1208VAR.69r	BLANK	G:\Org\VAR\Methods\21120	1	1	1	1	0	None
G:\Org\VAR\DAT\VAR120821_b\1208VAR.70r	LCS_1208VAR70r, GQC ;1208VAR ,	G:\Org\VAR\Methods\21120	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\VAR\DAT\VAR120821_b\1208VAR.71r	CCV_1208VAR71r, GQC ;1208VAR ,	G:\Org\VAR\Methods\21120	1	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\VAR\DAT\VAR120821_b\1208VAR.72r	BLANK	G:\Org\VAR\Methods\21120	1	1	1	1	0	None

Josie M Pickard
Chemist

Digitally signed by
Josie Pickard
Date: 2022.02.19 09:19:25 -07:00

Energy Laboratories Inc

ANALYTICAL RUN Summary

19-Feb-22

Run ID VARIAN1_220130A

Run Start Date: 1/30/2022
Analyst: Josie Pickard
Ical: 0
Column ID: Rtx-502.2
Comments: Evaluated to include numbers that are above the MDL and below the LOD per QA and client request

Std ID	Std Name	Std Amount	Std Units	Samp Amount	Samp Units	SampType	Expiration Date
GAS220104	Unleaded Gasoline Comp. Std.(2.0uL)	2	ul			CCV	6/7/2023
GQC201214	Gasoline Composite Mix (1.68uL)	1.68	ul			LCS, MS/M	4/2/2030
GROS200921	Gro Stock Standard Mt.Gro	0.84	ul			Marker	3/28/2029
SHP0292	VOA 1:1 HCl:H2O Solution	3	drops			CCV, LCS,	12/15/2025
TFT220124	TFT (1.05uL)	1.05	ul			Surr	9/10/2029

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
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15008497	CCV_0130VAR	HC-8015-GRO-	SAMP		1/30/2022 12:25:	1	R373955		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	194.4048	194.4048		0	0	0	2.01	20	0	0%	0	0	0%	
Total Purgeable Hydrocarbons	A	ug/L	200.3624	200.3624		0	0	0	3.08	20	0	0%	0	0	0%	
Trifluorotoluene	S	ug/L	18.88142	18.88142		25	0	0	0.147	1	0	76%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
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15008498	CCV_0130VAR	HC-8015-GRO-	CCV		1/30/2022 12:59:	1	R373955		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	177.3001	177.3001		168	0	0	2.01	20	0	106%	80	120	0%	
Total Purgeable Hydrocarbons	A	ug/L	210.9785	210.9785		200	0	0	3.08	20	0	105%	80	120	0%	
Trifluorotoluene	S	ug/L	22.28641	22.28641		25	0	0	0.147	1	0	89%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15008499	LCS_0130VAR0	HC-8015-GRO-	LCS		1/30/2022 1:33:1	1	R373955		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	144.6187	144.6187		170	0	0	2.01	20	0	85%	78	122	0%	
Total Purgeable Hydrocarbons	A	ug/L	169.5807	169.5807		200	0	0	3.08	20	0	85%	70	130	0%	
Trifluorotoluene	S	ug/L	21.17578	21.17578		25	0	0	0.147	1	0	85%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15008500	MBLK_0130VA	HC-8015-GRO-	MBLK		1/30/2022 2:07:3	1	R373955		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.01	10	0	0%	0	0	0%	
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.08	10	0	0%	0	0	0%	
Trifluorotoluene	S	ug/L	19.27367	19.27367		25	0	0	0.147	1	0	77%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15008501	B22011446-028	HC-8015-GRO-	SAMP		1/30/2022 3:49:5	1	R373955		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.01	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	2.111268	0		0	0	0	3.08	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	18.56254	18.56254		25	0	0	0.147	1	0	74%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15008502	B22011592-003	HC-8015-GRO-	SAMP		1/30/2022 4:24:0	1	R373955		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.01	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	3.143565	3.143565		0	0	0	3.08	20	0	0%	0	0	0%	J
Trifluorotoluene	S	ug/L	18.92104	18.92104		25	0	0	0.147	1	0	76%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15008503	B22011592-009	HC-8015-GRO-	SAMP		1/30/2022 4:58:1	1	R373955		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15008503	B22011592-009	HC-8015-GRO-	SAMP		1/30/2022 4:58:1	1	R373955			0	0					
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	2.386246	2.386246		0	0	0	2.01	20	0	0%	0	0	0%	J
Total Purgeable Hydrocarbons	A	ug/L	4.586884	4.586884		0	0	0	3.08	20	0	0%	0	0	0%	J
Trifluorotoluene	S	ug/L	19.01474	19.01474		25	0	0	0.147	1	0	76%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15008504	B22011592-014	HC-8015-GRO-	SAMP		1/30/2022 5:32:2	1	R373955			0	0					
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.01	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	3.691256	3.691256		0	0	0	3.08	20	0	0%	0	0	0%	J
Trifluorotoluene	S	ug/L	18.82615	18.82615		25	0	0	0.147	1	0	75%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15008505	B22011592-019	HC-8015-GRO-	SAMP		1/30/2022 6:06:3	1	R373955			0	0					
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.01	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	2.770282	0		0	0	0	3.08	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	19.06469	19.06469		25	0	0	0.147	1	0	76%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15008506	B22011592-024	HC-8015-GRO-	SAMP		1/30/2022 6:40:4	1	R373955			0	0					
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.01	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	3.222084	3.222084		0	0	0	3.08	20	0	0%	0	0	0%	J
Trifluorotoluene	S	ug/L	19.1883	19.1883		25	0	0	0.147	1	0	77%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15008507	B22011592-029	HC-8015-GRO-	SAMP		1/30/2022 7:14:5	1	R373955			0	0					
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15008507	B22011592-029	HC-8015-GRO-	SAMP		1/30/2022 7:14:5	1	R373955		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	2.997414	2.997414		0	0	0	2.01	20	0	0%	0	0	0%	J
Total Purgeable Hydrocarbons	A	ug/L	5.600266	5.600266		0	0	0	3.08	20	0	0%	0	0	0%	J
Trifluorotoluene	S	ug/L	19.31339	19.31339		25	0	0	0.147	1	0	77%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15008508	B22011717-003	HC-8015-GRO-	SAMP		1/30/2022 7:49:0	1	R373955		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	2.299201	2.299201		0	0	0	2.01	20	0	0%	0	0	0%	J
Total Purgeable Hydrocarbons	A	ug/L	4.487197	4.487197		0	0	0	3.08	20	0	0%	0	0	0%	J
Trifluorotoluene	S	ug/L	18.99058	18.99058		25	0	0	0.147	1	0	76%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15008509	B22011592-001	HC-8015-GRO-	SAMP		1/30/2022 8:23:1	1	R373955		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.01	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	3.242035	3.242035		0	0	0	3.08	20	0	0%	0	0	0%	J T
Trifluorotoluene	S	ug/L	18.80389	18.80389		25	0	0	0.147	1	0	75%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15008510	B22011592-006	HC-8015-GRO-	SAMP		1/30/2022 9:31:3	1	R373955		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.01	20	0	0%	0	0	0%	U T
Total Purgeable Hydrocarbons	A	ug/L	42.85949	42.85949		0	0	0	3.08	20	0	0%	0	0	0%	T
Trifluorotoluene	S	ug/L	18.79896	18.79896		25	0	0	0.147	1	0	75%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15008512	CCV_0130VAR	HC-8015-GRO-	SAMP		1/30/2022 10:39:	1	R373955		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15008512	CCV_0130VAR	HC-8015-GRO-	SAMP		1/30/2022 10:39:	1	R373955		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	202.6554	202.6554		0	0	0	2.01	20	0	0%	0	0	0%	
Total Purgeable Hydrocarbons	A	ug/L	209.1001	209.1001		0	0	0	3.08	20	0	0%	0	0	0%	
Trifluorotoluene	S	ug/L	18.42562	18.42562		25	0	0	0.147	1	0	74%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15008513	CCV_0130VAR	HC-8015-GRO-	CCV		1/30/2022 11:14:	1	R373955		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	174.9695	174.9695		168	0	0	2.01	20	0	104%	80	120	0%	
Total Purgeable Hydrocarbons	A	ug/L	210.3615	210.3615		200	0	0	3.08	20	0	105%	80	120	0%	
Trifluorotoluene	S	ug/L	21.93747	21.93747		25	0	0	0.147	1	0	88%	80	120	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15008514	LCS_0130VAR2	HC-8015-GRO-	LCS		1/30/2022 11:48:	1	R373955		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	140.3306	140.3306		170	0	0	2.01	20	0	83%	78	122	0%	
Total Purgeable Hydrocarbons	A	ug/L	163.4962	163.4962		200	0	0	3.08	20	0	82%	70	130	0%	
Trifluorotoluene	S	ug/L	20.91561	20.91561		25	0	0	0.147	1	0	84%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15008515	MBLK_0130VA	HC-8015-GRO-	MBLK		1/31/2022 12:22:	1	R373955		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.01	10	0	0%	0	0	0%	
Total Purgeable Hydrocarbons	A	ug/L	2.051374	0		0	0	0	3.08	10	0	0%	0	0	0%	
Trifluorotoluene	S	ug/L	18.76604	18.76604		25	0	0	0.147	1	0	75%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15008516	B22011592-007	HC-8015-GRO-	SAMP		1/31/2022 12:56:	1	R373955		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15008516	B22011592-007	HC-8015-GRO-	SAMP		1/31/2022 12:56:	1	R373955			0	0					
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	5.451428	5.451428		0	0	0	2.01	20	0	0%	0	0	0%	J T
Total Purgeable Hydrocarbons	A	ug/L	48.24082	48.24082		0	0	0	3.08	20	0	0%	0	0	0%	T
Trifluorotoluene	S	ug/L	18.56798	18.56798		25	0	0	0.147	1	0	74%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15008517	B22011592-012	HC-8015-GRO-	SAMP		1/31/2022 2:04:5	1	R373955			0	0					
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.01	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.08	20	0	0%	0	0	0%	U T
Trifluorotoluene	S	ug/L	18.49428	18.49428		25	0	0	0.147	1	0	74%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15008518	B22011592-017	HC-8015-GRO-	SAMP		1/31/2022 3:13:1	1	R373955			0	0					
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	7.669816	7.669816		0	0	0	2.01	20	0	0%	0	0	0%	J
Total Purgeable Hydrocarbons	A	ug/L	136.1955	136.1955		0	0	0	3.08	20	0	0%	0	0	0%	
Trifluorotoluene	S	ug/L	18.89412	18.89412		25	0	0	0.147	1	0	76%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15008519	B22011592-022	HC-8015-GRO-	SAMP		1/31/2022 4:55:4	1	R373955			0	0					
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.01	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.08	20	0	0%	0	0	0%	U T
Trifluorotoluene	S	ug/L	18.44626	18.44626		25	0	0	0.147	1	0	74%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15008520	B22011592-027	HC-8015-GRO-	SAMP		1/31/2022 6:04:0	1	R373955			0	0					
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15008520	B22011592-027	HC-8015-GRO-	SAMP		1/31/2022 6:04:0	1	R373955		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.01	20	0	0%	0	0	0%	U T
Total Purgeable Hydrocarbons	A	ug/L	18.74574	18.74574		0	0	0	3.08	20	0	0%	0	0	0%	J T
Trifluorotoluene	S	ug/L	18.48154	18.48154		25	0	0	0.147	1	0	74%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15008521	B22011717-001	HC-8015-GRO-	SAMP		1/31/2022 7:12:2	1	R373955		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.01	20	0	0%	0	0	0%	U T
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.08	20	0	0%	0	0	0%	U T
Trifluorotoluene	S	ug/L	18.6844	18.6844		25	0	0	0.147	1	0	75%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15008522	B22011592-001	HC-8015-GRO-	MS		1/31/2022 8:20:4	1	R373955		2E+07	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	141.6721	141.6721		170	0	0	2.01	20	0	83%	78	122	0%	
Total Purgeable Hydrocarbons	A	ug/L	170.0979	170.0979		200	3.242035	0	3.08	20	0	83%	70	130	0%	
Trifluorotoluene	S	ug/L	21.14684	21.14684		25	0	0	0.147	1	0	85%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15008523	B22011592-001	HC-8015-GRO-	MSD		1/31/2022 8:54:5	1	R373955		2E+07	2E+07						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	148.0086	148.0086		170	0	141.6721	2.01	20	0	87%	78	122	4%	
Total Purgeable Hydrocarbons	A	ug/L	178.0235	178.0235		200	3.242035	170.0979	3.08	20	0	87%	70	130	5%	
Trifluorotoluene	S	ug/L	21.45035	21.45035		25	0	0	0.147	1	0	86%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15008524	CCV_0130VAR	HC-8015-GRO-	SAMP		1/31/2022 10:03:	1	R373955		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15008524	CCV_0130VAR	HC-8015-GRO-	SAMP		1/31/2022 10:03:	1	R373955		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	192.1945	192.1945		0	0	0	2.01	20	0	0%	0	0	0%	
Total Purgeable Hydrocarbons	A	ug/L	198.0084	198.0084		0	0	0	3.08	20	0	0%	0	0	0%	
Trifluorotoluene	S	ug/L	18.62564	18.62564		25	0	0	0.147	1	0	75%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15008525	CCV_0130VAR	HC-8015-GRO-	CCV		1/31/2022 10:37:	1	R373955		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	167.7184	167.7184		168	0	0	2.01	20	0	100%	80	120	0%	
Total Purgeable Hydrocarbons	A	ug/L	202.4249	202.4249		200	0	0	3.08	20	0	101%	80	120	0%	
Trifluorotoluene	S	ug/L	21.16189	21.16189		25	0	0	0.147	1	0	85%	80	120	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15008526	LCS_0130VAR4	HC-8015-GRO-	LCS		1/31/2022 11:11:	1	R373955		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	141.9033	141.9033		170	0	0	2.01	20	0	83%	78	122	0%	
Total Purgeable Hydrocarbons	A	ug/L	166.5005	166.5005		200	0	0	3.08	20	0	83%	70	130	0%	
Trifluorotoluene	S	ug/L	21.26356	21.26356		25	0	0	0.147	1	0	85%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15008527	MBLK_0130VA	HC-8015-GRO-	MBLK		1/31/2022 11:45:	1	R373955		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.01	10	0	0%	0	0	0%	
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.08	10	0	0%	0	0	0%	
Trifluorotoluene	S	ug/L	19.00998	19.00998		25	0	0	0.147	1	0	76%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15008528	B22011901-002	HC-8015-GRO-	SAMP		1/31/2022 12:19:	1	R373955		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

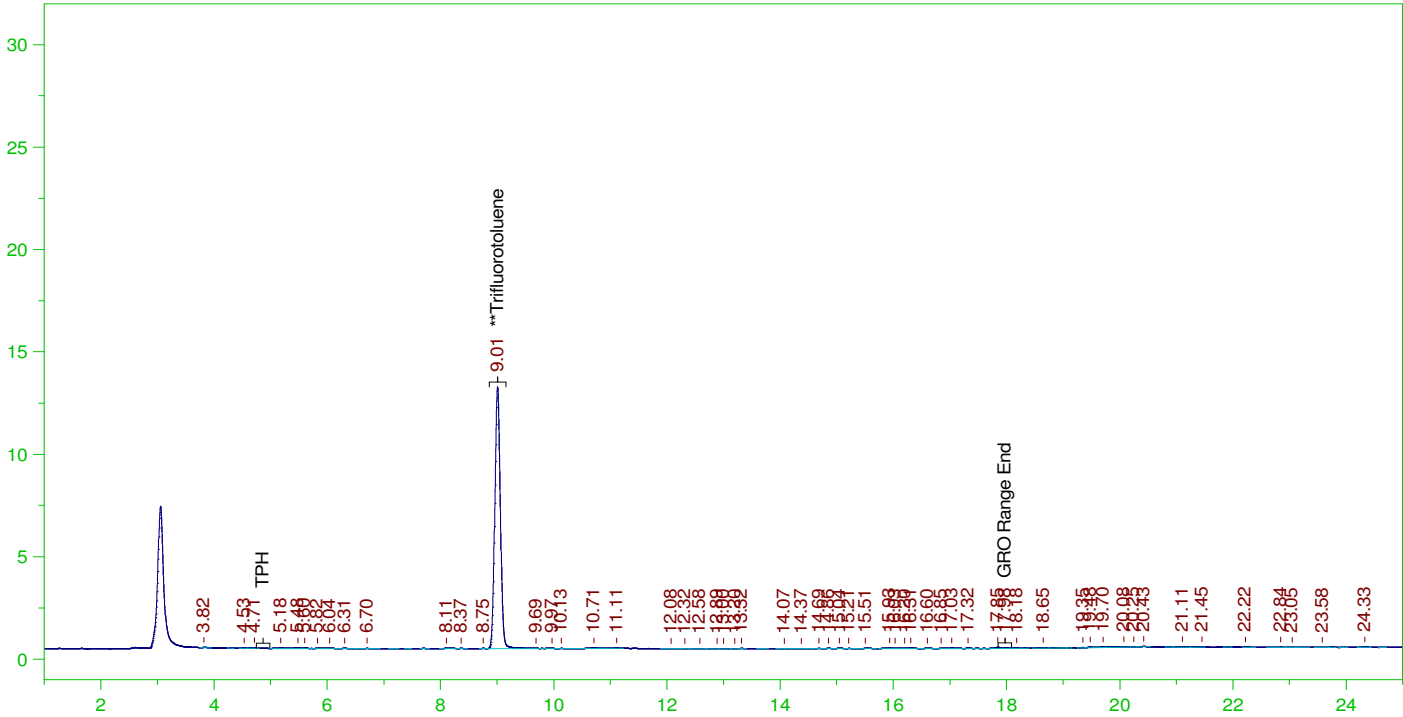
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15008528	B22011901-002	HC-8015-GRO-	SAMP		1/31/2022 12:19:	1	R373955		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.01	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.08	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	18.87497	18.87497		25	0	0	0.147	1	0	75%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15008529	B22011901-001	HC-8015-GRO-	SAMP		1/31/2022 12:53:	1	R373955		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.01	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	6.555471	6.555471		0	0	0	3.08	20	0	0%	0	0	0%	J
Trifluorotoluene	S	ug/L	19.16844	19.16844		25	0	0	0.147	1	0	77%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15008530	CCV_0130VAR	HC-8015-GRO-	SAMP		1/31/2022 2:02:1	1	R373955		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	203.8745	203.8745		0	0	0	2.01	20	0	0%	0	0	0%	
Total Purgeable Hydrocarbons	A	ug/L	209.9144	209.9144		0	0	0	3.08	20	0	0%	0	0	0%	
Trifluorotoluene	S	ug/L	18.57404	18.57404		25	0	0	0.147	1	0	74%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15008531	CCV_0130VAR	HC-8015-GRO-	CCV		1/31/2022 2:36:1	1	R373955		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	172.358	172.358		168	0	0	2.01	20	0	103%	80	120	0%	
Total Purgeable Hydrocarbons	A	ug/L	205.6089	205.6089		200	0	0	3.08	20	0	103%	80	120	0%	
Trifluorotoluene	S	ug/L	22.08468	22.08468		25	0	0	0.147	1	0	88%	80	120	0%	

Data File	Write Sequence	Sample Name	Insert Entries(Have the first cell for entries selector)	Method	Weight	Dil Factor	Amt Inj.	IS	Cal ID
G:\Org\VAR\DAT\VAR013022_b0130VAR.02r		BLANK		G:\Org\VAR\Methods\21120	1	1	1	1	0
G:\Org\VAR\DAT\VAR013022_b0130VAR.03r		BLANK		G:\Org\VAR\Methods\21120	1	1	1	1	0
G:\Org\VAR\DAT\VAR013022_b0130VAR.04r		BLANK		G:\Org\VAR\Methods\21120	1	1	1	1	0
G:\Org\VAR\DAT\VAR013022_b0130VAR.05r		CCV_0130VAR05r, GQC :0130VAR ,		G:\Org\VAR\Methods\21120	1	1	1	1	0
G:\Org\VAR\DAT\VAR013022_b0130VAR.06r		CCV_0130VAR06r, GQC :0130VAR ,		G:\Org\VAR\Methods\21120	1	1	1	1	0
G:\Org\VAR\DAT\VAR013022_b0130VAR.07r		LCS_0130VAR07r, GQC :0130VAR ,		G:\Org\VAR\Methods\21120	5	1	1	1	0
G:\Org\VAR\DAT\VAR013022_b0130VAR.08r		MBLK_0130VAR08r, QC :0130VAR ,		G:\Org\VAR\Methods\21120	5	1	1	1	0
G:\Org\VAR\DAT\VAR013022_b0130VAR.09r		BLANK		G:\Org\VAR\Methods\21120	1	1	1	1	0
G:\Org\VAR\DAT\VAR013022_b0130VAR.10r		BLANK		G:\Org\VAR\Methods\21120	1	1	1	1	0
G:\Org\VAR\DAT\VAR013022_b0130VAR.11r		B22011446-028A :0130VAR , \$HC-8015-GRO-W,		G:\Org\VAR\Methods\21120	5	1	1	1	0
G:\Org\VAR\DAT\VAR013022_b0130VAR.12r		B22011592-003A :0130VAR , \$HC-8015-GRO-W,		G:\Org\VAR\Methods\21120	5	1	1	1	0
G:\Org\VAR\DAT\VAR013022_b0130VAR.13r		B22011592-009A :0130VAR , \$HC-8015-GRO-W,		G:\Org\VAR\Methods\21120	5	1	1	1	0
G:\Org\VAR\DAT\VAR013022_b0130VAR.14r		B22011592-014A :0130VAR , \$HC-8015-GRO-W,		G:\Org\VAR\Methods\21120	5	1	1	1	0
G:\Org\VAR\DAT\VAR013022_b0130VAR.15r		B22011592-019A :0130VAR , \$HC-8015-GRO-W,		G:\Org\VAR\Methods\21120	5	1	1	1	0
G:\Org\VAR\DAT\VAR013022_b0130VAR.16r		B22011592-024A :0130VAR , \$HC-8015-GRO-W,		G:\Org\VAR\Methods\21120	5	1	1	1	0
G:\Org\VAR\DAT\VAR013022_b0130VAR.17r		B22011592-029A :0130VAR , \$HC-8015-GRO-W,		G:\Org\VAR\Methods\21120	5	1	1	1	0
G:\Org\VAR\DAT\VAR013022_b0130VAR.18r		B22011717-003A :0130VAR , \$HC-8015-GRO-W,		G:\Org\VAR\Methods\21120	5	1	1	1	0
G:\Org\VAR\DAT\VAR013022_b0130VAR.19r		B22011592-001G :0130VAR , \$HC-8015-GRO-W,		G:\Org\VAR\Methods\21120	5	1	1	1	0
G:\Org\VAR\DAT\VAR013022_b0130VAR.20r		BLANK		G:\Org\VAR\Methods\21120	1	1	1	1	0
G:\Org\VAR\DAT\VAR013022_b0130VAR.21r		B22011592-006G :0130VAR , \$HC-8015-GRO-W,		G:\Org\VAR\Methods\21120	5	1	1	1	0
G:\Org\VAR\DAT\VAR013022_b0130VAR.22r		BLANK		G:\Org\VAR\Methods\21120	1	1	1	1	0
G:\Org\VAR\DAT\VAR013022_b0130VAR.23r		CCV_0130VAR23r, GQC :0130VAR ,		G:\Org\VAR\Methods\21120	1	1	1	1	0
G:\Org\VAR\DAT\VAR013022_b0130VAR.24r		CCV_0130VAR24r, GQC :0130VAR ,		G:\Org\VAR\Methods\21120	1	1	1	1	0
G:\Org\VAR\DAT\VAR013022_b0130VAR.25r		LCS_0130VAR25r, GQC :0130VAR ,		G:\Org\VAR\Methods\21120	5	1	1	1	0
G:\Org\VAR\DAT\VAR013022_b0130VAR.26r		MBLK_0130VAR26r, QC :0130VAR ,		G:\Org\VAR\Methods\21120	5	1	1	1	0
G:\Org\VAR\DAT\VAR013022_b0130VAR.27r		B22011592-007D :0130VAR , \$HC-8015-GRO-W,		G:\Org\VAR\Methods\21120	5	1	1	1	0
G:\Org\VAR\DAT\VAR013022_b0130VAR.28r		BLANK		G:\Org\VAR\Methods\21120	1	1	1	1	0
G:\Org\VAR\DAT\VAR013022_b0130VAR.29r		B22011592-012G :0130VAR , \$HC-8015-GRO-W,		G:\Org\VAR\Methods\21120	5	1	1	1	0
G:\Org\VAR\DAT\VAR013022_b0130VAR.30r		BLANK		G:\Org\VAR\Methods\21120	1	1	1	1	0
G:\Org\VAR\DAT\VAR013022_b0130VAR.31r		B22011592-017G :0130VAR , \$HC-8015-GRO-W,		G:\Org\VAR\Methods\21120	5	1	1	1	0
G:\Org\VAR\DAT\VAR013022_b0130VAR.32r		BLANK		G:\Org\VAR\Methods\21120	1	1	1	1	0
G:\Org\VAR\DAT\VAR013022_b0130VAR.33r		BLANK		G:\Org\VAR\Methods\21120	1	1	1	1	0
G:\Org\VAR\DAT\VAR013022_b0130VAR.34r		B22011592-022G :0130VAR , \$HC-8015-GRO-W,		G:\Org\VAR\Methods\21120	5	1	1	1	0
G:\Org\VAR\DAT\VAR013022_b0130VAR.35r		BLANK		G:\Org\VAR\Methods\21120	1	1	1	1	0
G:\Org\VAR\DAT\VAR013022_b0130VAR.36r		B22011592-027G :0130VAR , \$HC-8015-GRO-W,		G:\Org\VAR\Methods\21120	5	1	1	1	0
G:\Org\VAR\DAT\VAR013022_b0130VAR.37r		BLANK		G:\Org\VAR\Methods\21120	1	1	1	1	0
G:\Org\VAR\DAT\VAR013022_b0130VAR.38r		B22011717-001G :0130VAR , \$HC-8015-GRO-W,		G:\Org\VAR\Methods\21120	5	1	1	1	0
G:\Org\VAR\DAT\VAR013022_b0130VAR.39r		BLANK		G:\Org\VAR\Methods\21120	1	1	1	1	0
G:\Org\VAR\DAT\VAR013022_b0130VAR.40r		B22011592-001GMS, GQC :0130VAR , \$HC-8015-GRO-W,		G:\Org\VAR\Methods\21120	5	1	1	1	0
G:\Org\VAR\DAT\VAR013022_b0130VAR.41r		B22011592-001GMSD, GQC :0130VAR , \$HC-8015-GRO-W,		G:\Org\VAR\Methods\21120	5	1	1	1	0
G:\Org\VAR\DAT\VAR013022_b0130VAR.42r		BLANK		G:\Org\VAR\Methods\21120	1	1	1	1	0
G:\Org\VAR\DAT\VAR013022_b0130VAR.43r		CCV_0130VAR43r, GQC :0130VAR ,		G:\Org\VAR\Methods\21120	1	1	1	1	0
G:\Org\VAR\DAT\VAR013022_b0130VAR.44r		CCV_0130VAR44r, GQC :0130VAR ,		G:\Org\VAR\Methods\21120	1	1	1	1	0
G:\Org\VAR\DAT\VAR013022_b0130VAR.45r		LCS_0130VAR45r, GQC :0130VAR ,		G:\Org\VAR\Methods\21120	5	1	1	1	0
G:\Org\VAR\DAT\VAR013022_b0130VAR.46r		MBLK_0130VAR46r, QC :0130VAR ,		G:\Org\VAR\Methods\21120	5	1	1	1	0
G:\Org\VAR\DAT\VAR013022_b0130VAR.47r		B22011901-002A :0130VAR , \$HC-8015-GRO-W,		G:\Org\VAR\Methods\21120	5	1	1	1	0
G:\Org\VAR\DAT\VAR013022_b0130VAR.48r		B22011901-001B :0130VAR , \$HC-8015-GRO-W,		G:\Org\VAR\Methods\21120	5	1	1	1	0
G:\Org\VAR\DAT\VAR013022_b0130VAR.49r		BLANK		G:\Org\VAR\Methods\21120	1	1	1	1	0

G:\Org\VAR\DAT\VAR013022_b\0130VAR.50r	CCV_0130VAR50r, GQC :0130VAR ,	G:\Org\VAR\Methods\21120	1	1	1	1	0
G:\Org\VAR\DAT\VAR013022_b\0130VAR.51r	CCV_0130VAR51r, GQC :0130VAR ,	G:\Org\VAR\Methods\21120	1	1	1	1	0

G:\Org\VAR\DAT\VAR013022_b\0130VARB.0002.RAW

BLANK



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\VAR\DAT\VAR013022_b\0130VARB.0002.RAW
 Date & Time Acquired: 1/30/2022 10:42:52 AM
 Method File: G:\Org\VAR\Methods\211208GRO_DoDB.MET
 Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

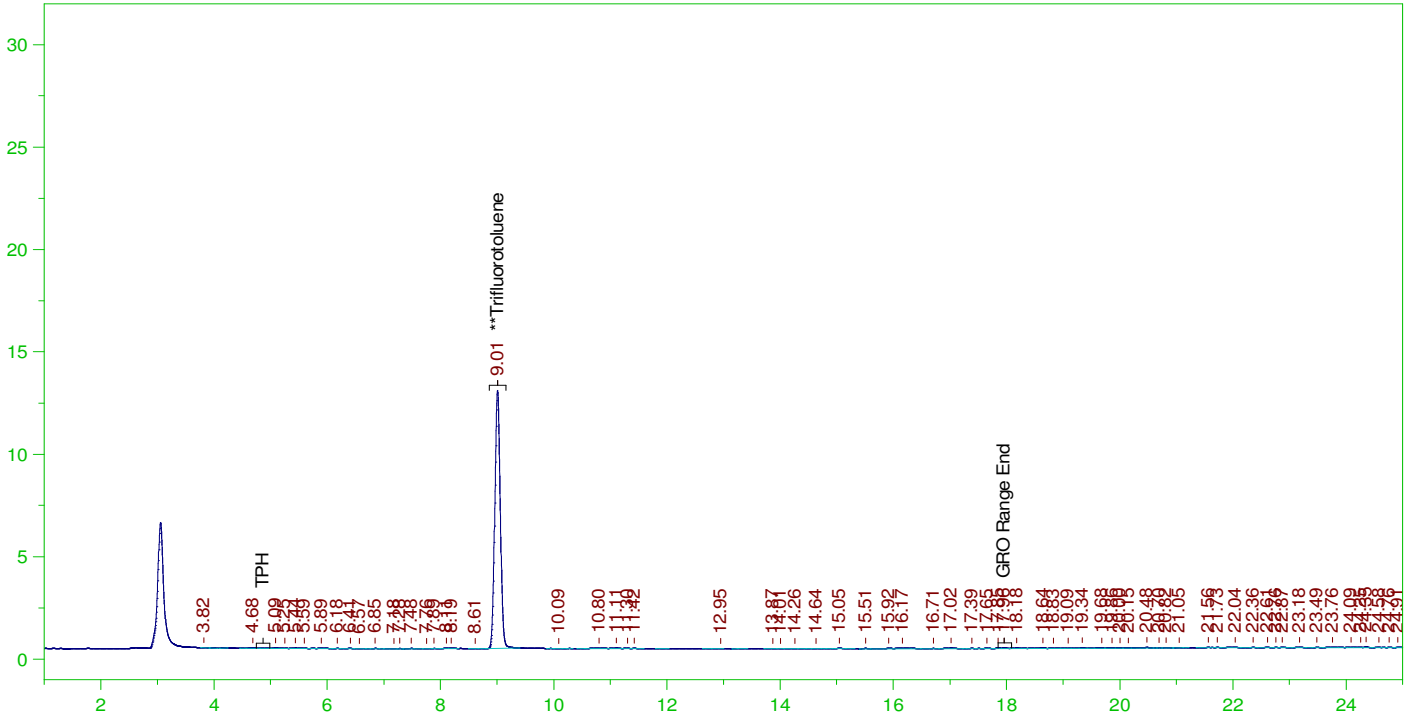
Mean RF for C6 to C10: 979.9788
 Mean RF for TPH: 955.6747
 Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.009	125.	95.373	76.3

C6 to C10 Area:5522.485 C6 to C10 Amount: 5.635311
 TPH Area:8457.074 TPH Amount: 8.849323

G:\Org\VAR\DAT\VAR013022_b\0130VARB.0003.RAW

BLANK



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\VAR\DAT\VAR013022_b\0130VARB.0003.RAW
 Date & Time Acquired: 1/30/2022 11:16:54 AM
 Method File: G:\Org\VAR\Methods\211208GRO_DoDB.MET
 Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

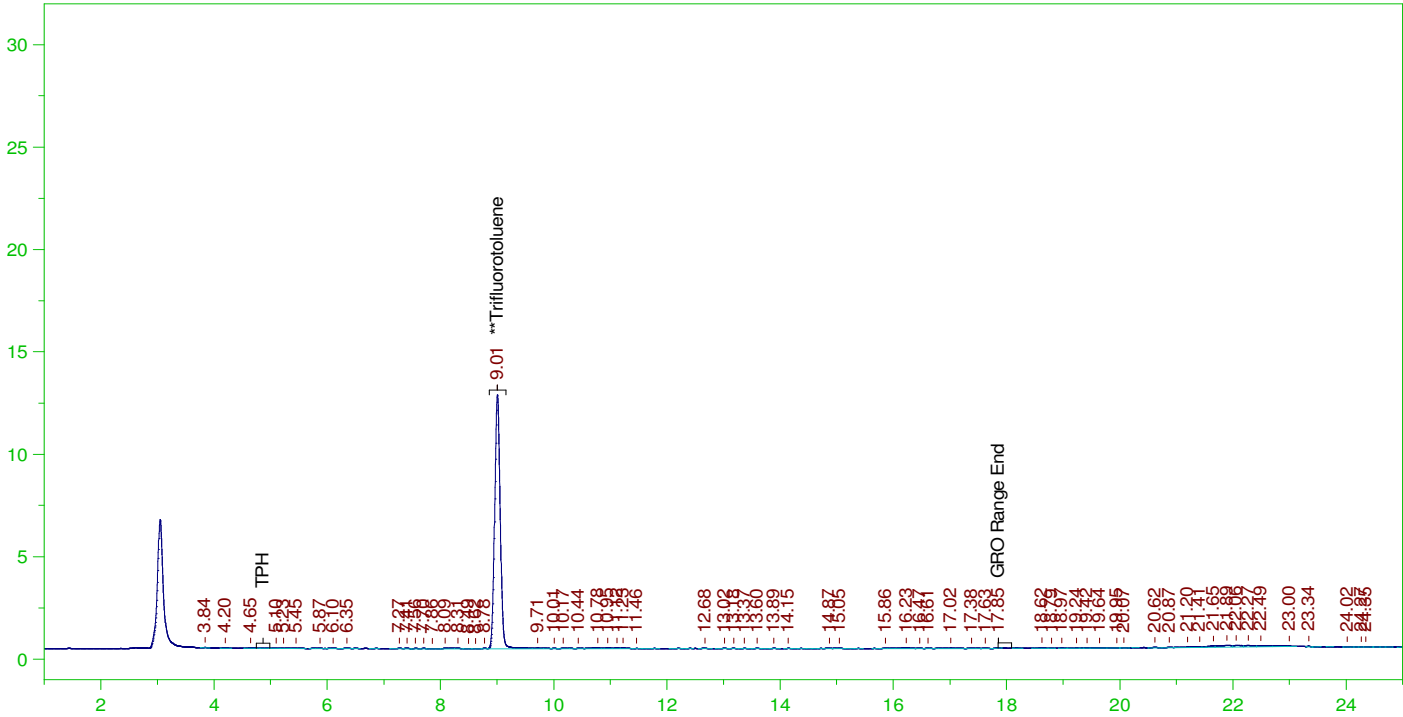
Mean RF for C6 to C10: 979.9788
 Mean RF for TPH: 955.6747
 Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.008	125.	93.078	74.46

C6 to C10 Area:5450.768 C6 to C10 Amount: 5.562129
 TPH Area:10234.13 TPH Amount: 10.7088

G:\Org\VAR\DAT\VAR013022_b\0130VARB.0004.RAW

BLANK



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\VAR\DAT\VAR013022_b\0130VARB.0004.RAW
 Date & Time Acquired: 1/30/2022 11:50:59 AM
 Method File: G:\Org\VAR\Methods\211208GRO_DoDB.MET
 Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

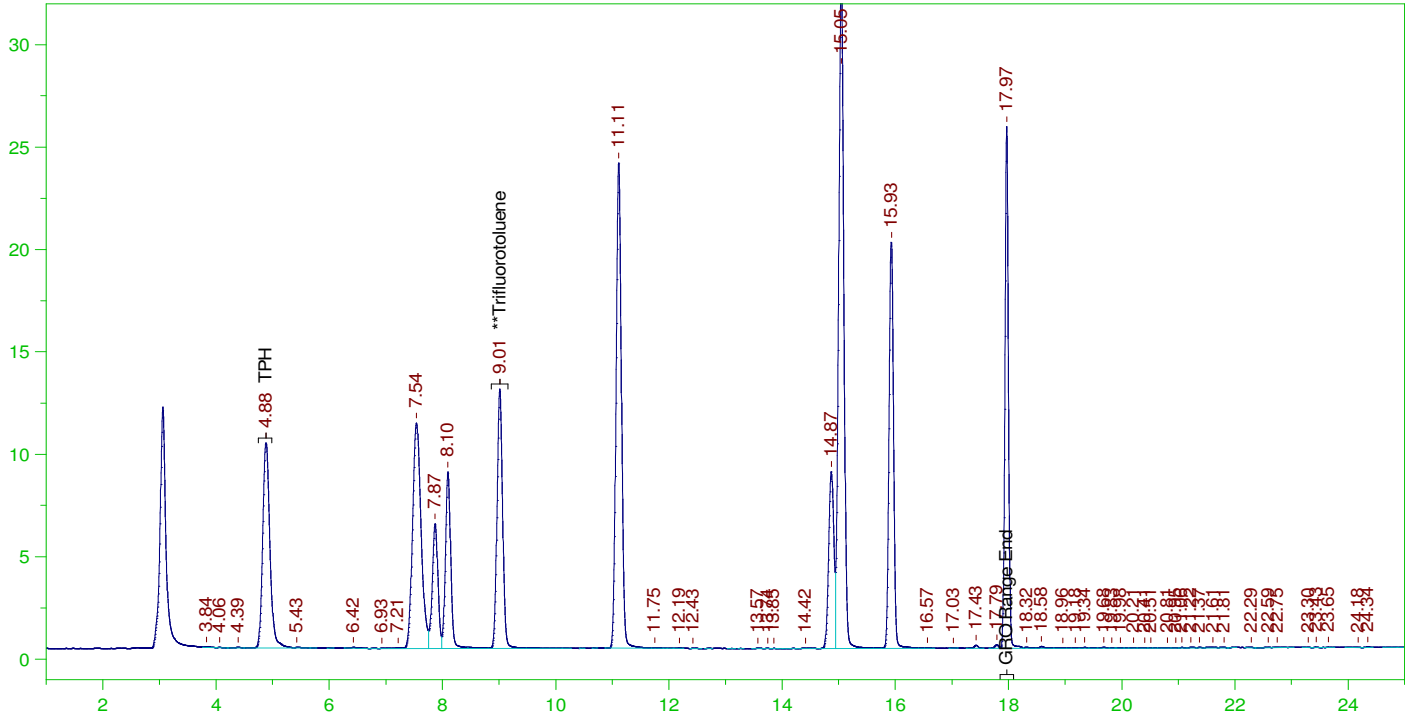
Mean RF for C6 to C10: 979.9788
 Mean RF for TPH: 955.6747
 Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.006	125.	92.258	73.81

C6 to C10 Area:6049.966 C6 to C10 Amount: 6.173568
 TPH Area:13679.17 TPH Amount: 14.31363

G:\Org\VAR\DAT\VAR013022_b\0130VARB.0005.RAW

CCV_0130VAR05r, GQC ;0130VAR ,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_0130VAR05r, GQC ;0130VAR ,
Raw File: G:\Org\VAR\DAT\VAR013022_b\0130VARB.0005.RAW
Date & Time Acquired: 1/30/2022 12:25:02 PM
Method File: G:\Org\VAR\Methods\211208GRO_DoDB.MET
Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 979.9788
Mean RF for TPH: 955.6747
Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.013	125.	94.407	75.53

C6 to C10 Area:952562.8 C6 to C10 Amount: 972.0239
TPH Area:957406.2 TPH Amount: 1001.812

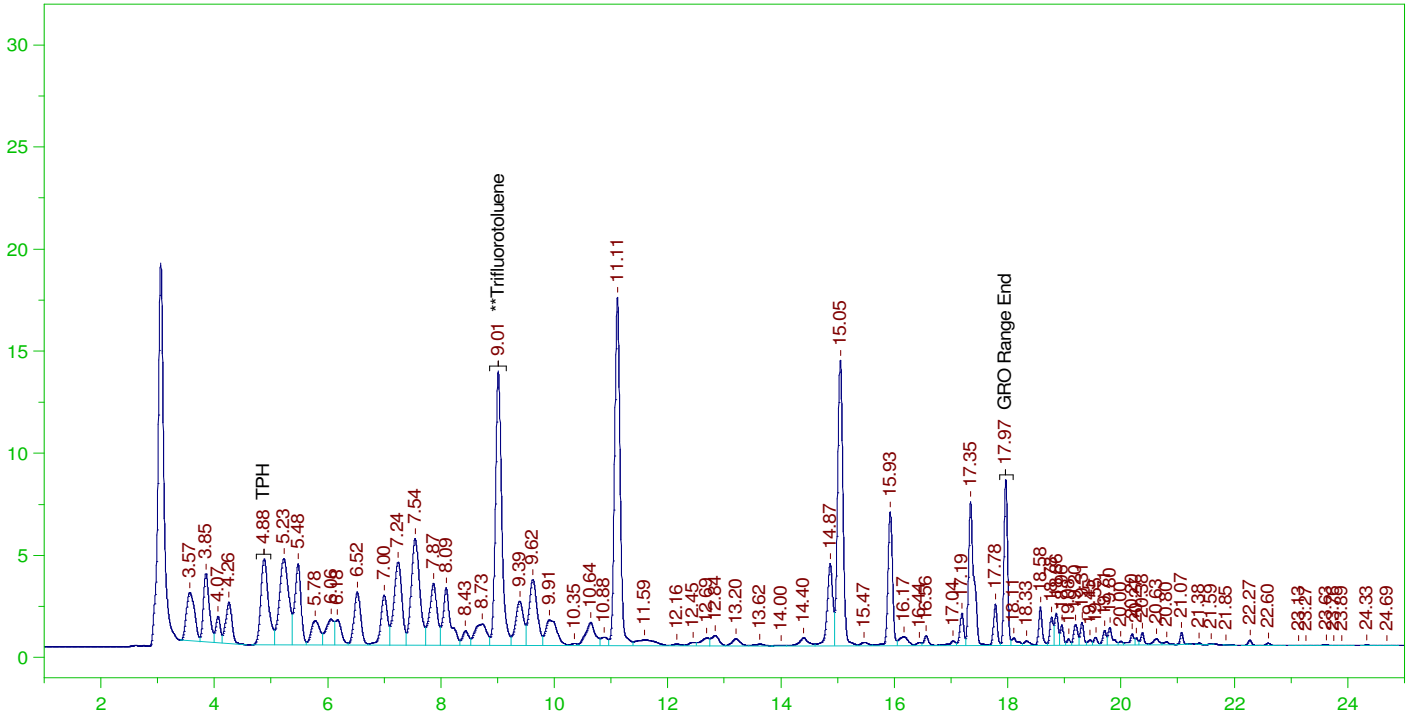
CONTINUING CALIBRATION REPORT: G:\Org\VAR\DAT\VAR013022_b\0130VARB.0005.RAW

COMPOUND	ACTUAL (NG)	MEASURED (NG)	%RECOVERY	LIMITS
C6 to C10	840.	972.02	115.72	85-115
TPH	1000.	1001.81	100.18	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	9.013	125.	94.407	75.53	85-115

G:\Org\VAR\DAT\VAR013022_b\0130VARB.0006.RAW

CCV_0130VAR06r, GQC ;0130VAR ,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_0130VAR06r, GQC ;0130VAR ,
Raw File: G:\Org\VAR\DAT\VAR013022_b\0130VARB.0006.RAW
Date & Time Acquired: 1/30/2022 12:59:09 PM
Method File: G:\Org\VAR\Methods\211208GRO_DoDB%.MET
Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 979.9788
Mean RF for TPH: 955.6747
Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	9.012	125.	111.432	89.15	-

C6 to C10 Area:868751.8 C6 to C10 Amount: 886.5006
TPH Area:1008134 TPH Amount: 1054.892

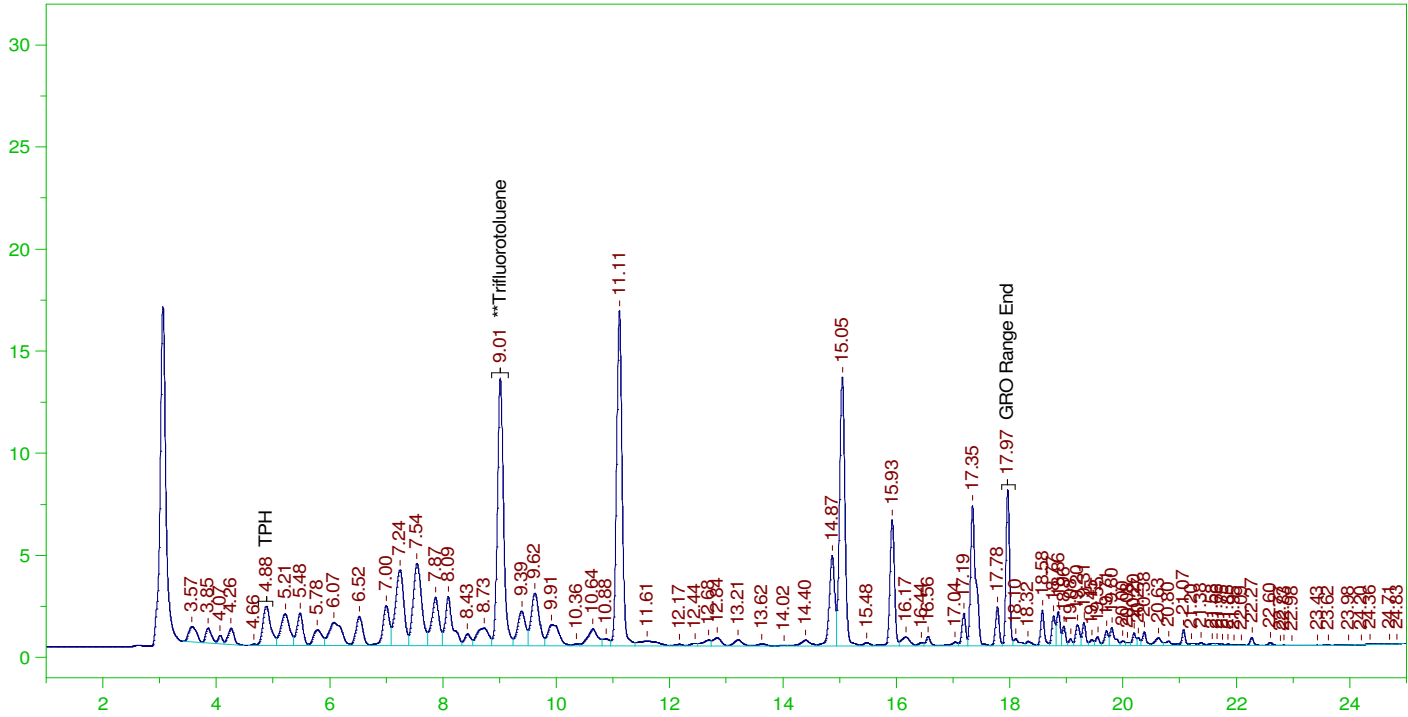
CONTINUING CALIBRATION REPORT: G:\Org\VAR\DAT\VAR013022_b\0130VARB.0006.RAW

COMPOUND	ACTUAL (NG)	MEASURED (NG)	%RECOVERY	LIMITS
C6 to C10	840.	886.5	105.54	85-115
TPH	1000.	1054.89	105.49	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	9.012	125.	111.432	89.15	85-115

G:\Org\VAR\DAT\VAR013022_b\0130VARB.0007.RAW

LCS_0130VAR07r, GQC ;0130VAR ,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: LCS_0130VAR07r, GQC ;0130VAR ,
Raw File: G:\Org\VAR\DAT\VAR013022_b\0130VARB.0007.RAW
Date & Time Acquired: 1/30/2022 1:33:19 PM
Method File: G:\Org\VAR\Methods\211208GLCS0130_07DoDB%.MET
Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

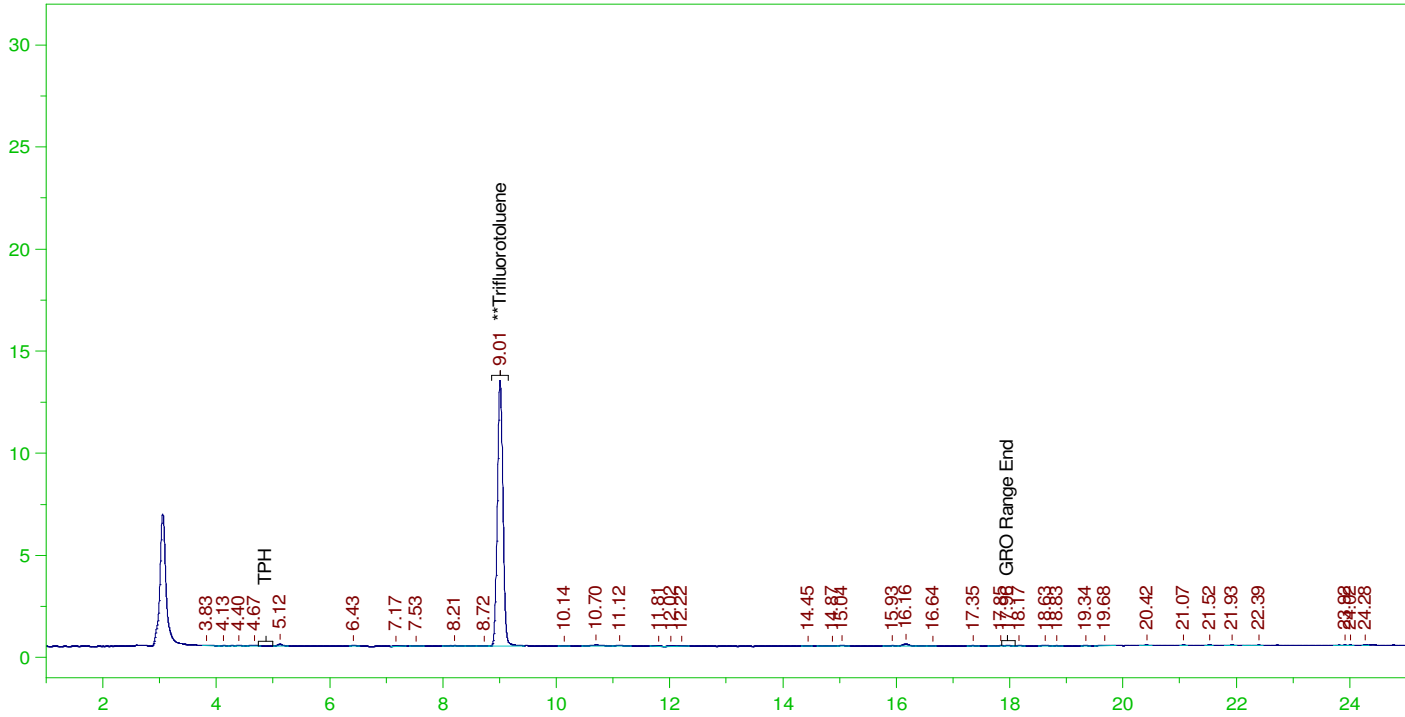
Mean RF for C6 to C10: 979.9788
Mean RF for TPH: 955.6747
Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.012	25.	21.176	84.7

C6 to C10 Area:708616.4 C6 to C10 Amount: 144.6187
TPH Area:810319.9 TPH Amount: 169.5807

G:\Org\VAR\DAT\VAR013022_b\0130VARB.0008.RAW

MBLK_0130VAR08r, QC ;0130VAR ,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: MBLK_0130VAR08r, QC ;0130VAR ,
Raw File: G:\Org\VAR\DAT\VAR013022_b\0130VARB.0008.RAW
Date & Time Acquired: 1/30/2022 2:07:30 PM
Method File: G:\Org\VAR\Methods\211208GMB0130_08DoDB%.MET
Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

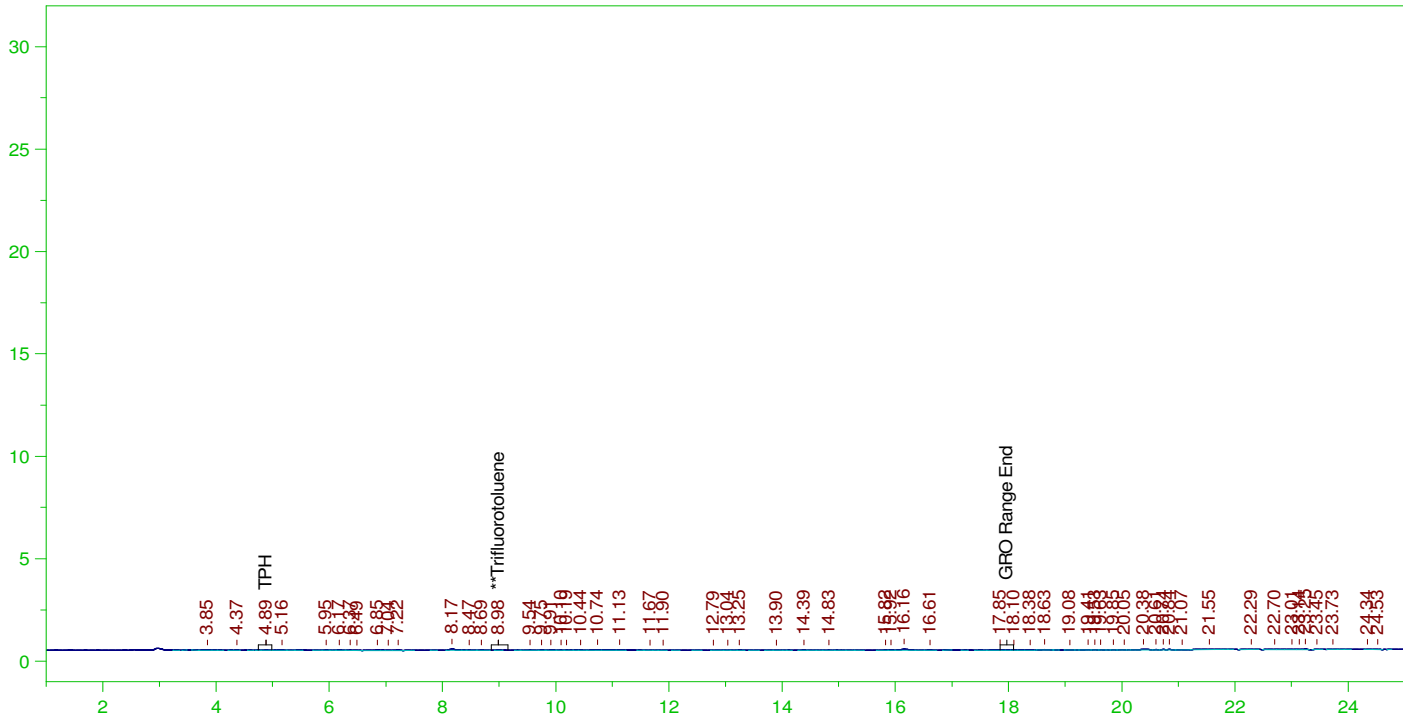
Mean RF for C6 to C10: 979.9788
Mean RF for TPH: 955.6747
Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.008	25.	19.274	77.09

C6 to C10 Area:5315.478 C6 to C10 Amount: 1.084815
TPH Area:7761.885 TPH Amount: 1.624378

G:\Org\VAR\DAT\VAR013022_b\0130VARB.0009.RAW

BLANK



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\VAR\DAT\VAR013022_b\0130VARB.0009.RAW
 Date & Time Acquired: 1/30/2022 2:41:43 PM
 Method File: G:\Org\VAR\Methods\211208GRO_DoDB.MET
 Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

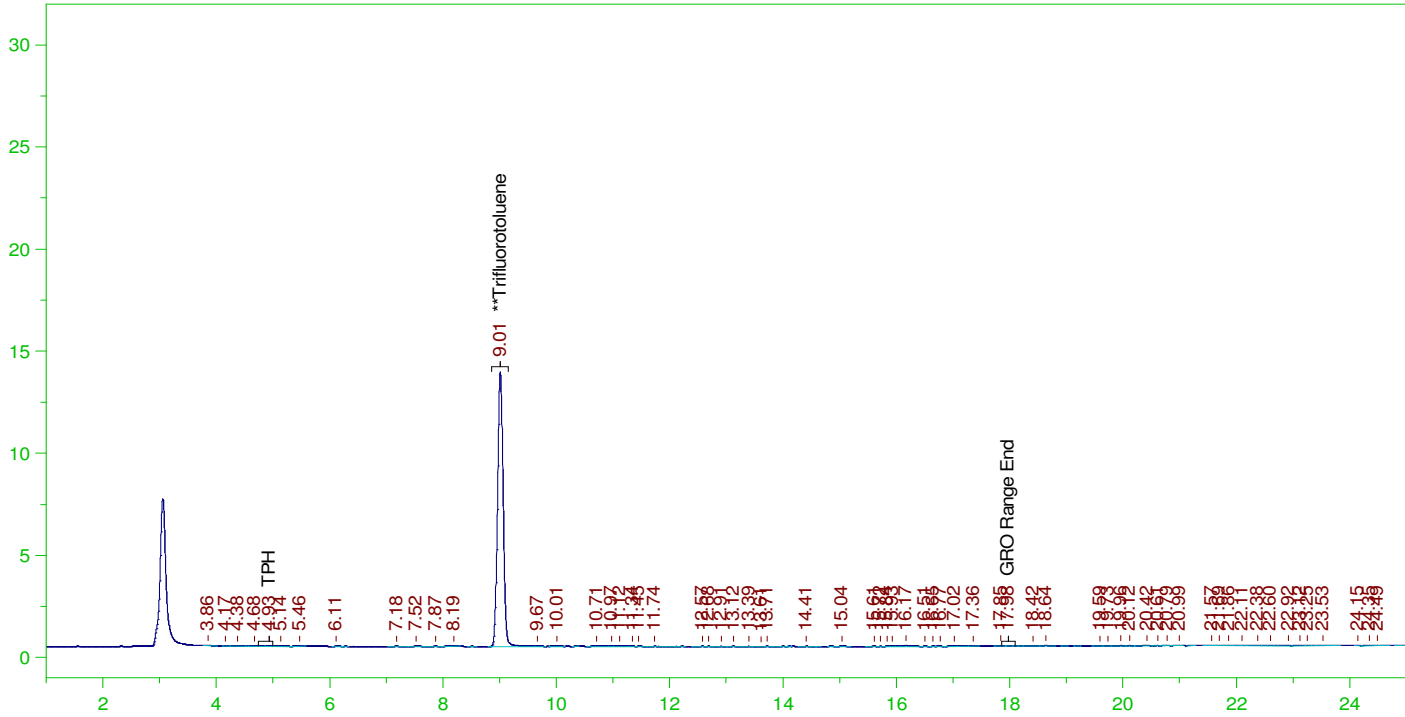
Mean RF for C6 to C10: 979.9788
 Mean RF for TPH: 955.6747
 Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.984	125.	.059	.05

C6 to C10 Area:4633.2 C6 to C10 Amount: 4.727857
 TPH Area:8364.458 TPH Amount: 8.752412

G:\Org\VAR\DAT\VAR013022_b\0130VARB.0010.RAW

BLANK



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\VAR\DAT\VAR013022_b\0130VARB.0010.RAW
 Date & Time Acquired: 1/30/2022 3:15:48 PM
 Method File: G:\Org\VAR\Methods\211208GRO_DoDB.MET
 Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 979.9788
 Mean RF for TPH: 955.6747
 Rt range for Gasoline Range Organics: 4.75 to 18.09

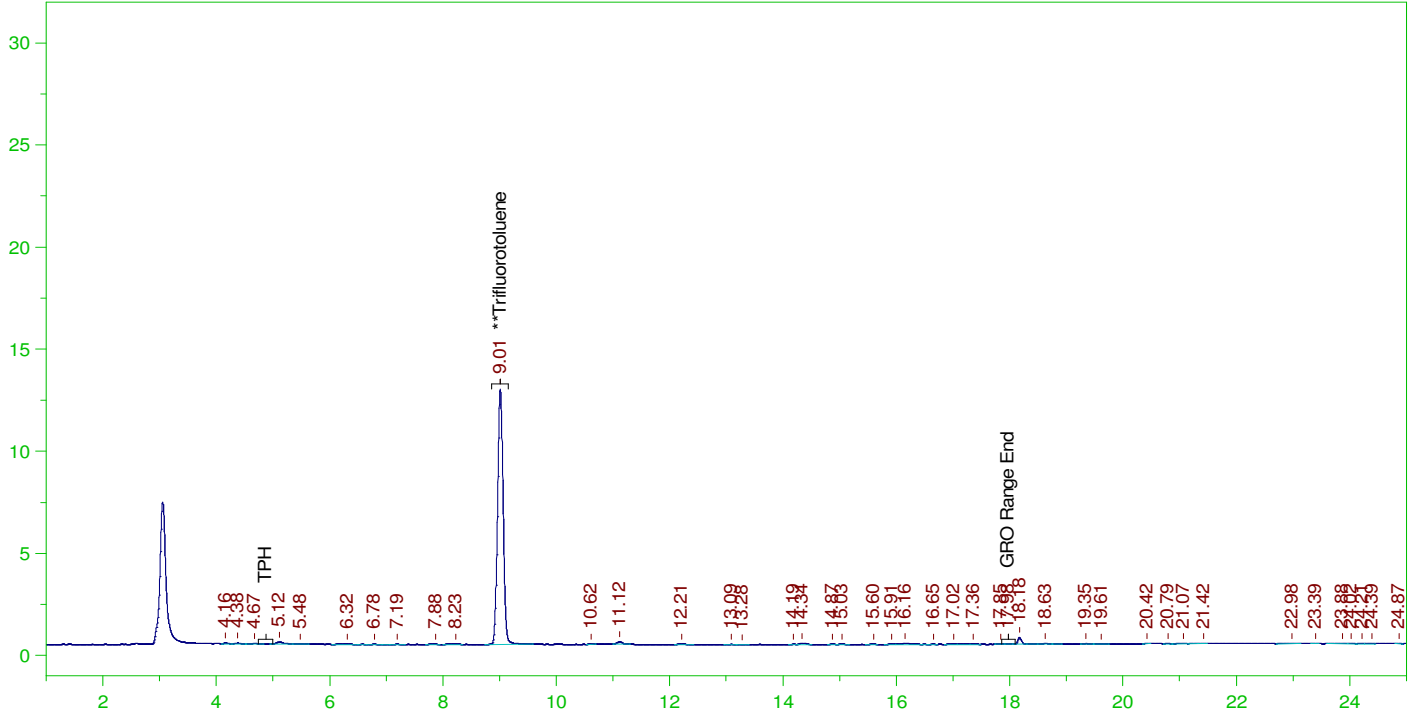
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.012	125.	100.273	80.22

C6 to C10 Area:5565.401 C6 to C10 Amount: 5.679104
 TPH Area:9340.223 TPH Amount: 9.773433

ERH2451 (Trip Blank)-14694

G:\Org\VAR\DAT\VAR013022_b\0130VARB.0011.RAW

B22011446-028A ;0130VAR , \$HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22011446-028A ;0130VAR , \$HC-8015-GRO-W,
Raw File: G:\Org\VAR\DAT\VAR013022_b\0130VARB.0011.RAW
Date & Time Acquired: 1/30/2022 3:49:57 PM
Method File: G:\Org\VAR\Methods\211208G1446-28DoDB%.MET
Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 979.9788
Mean RF for TPH: 955.6747
Rt range for Gasoline Range Organics: 4.75 to 18.09

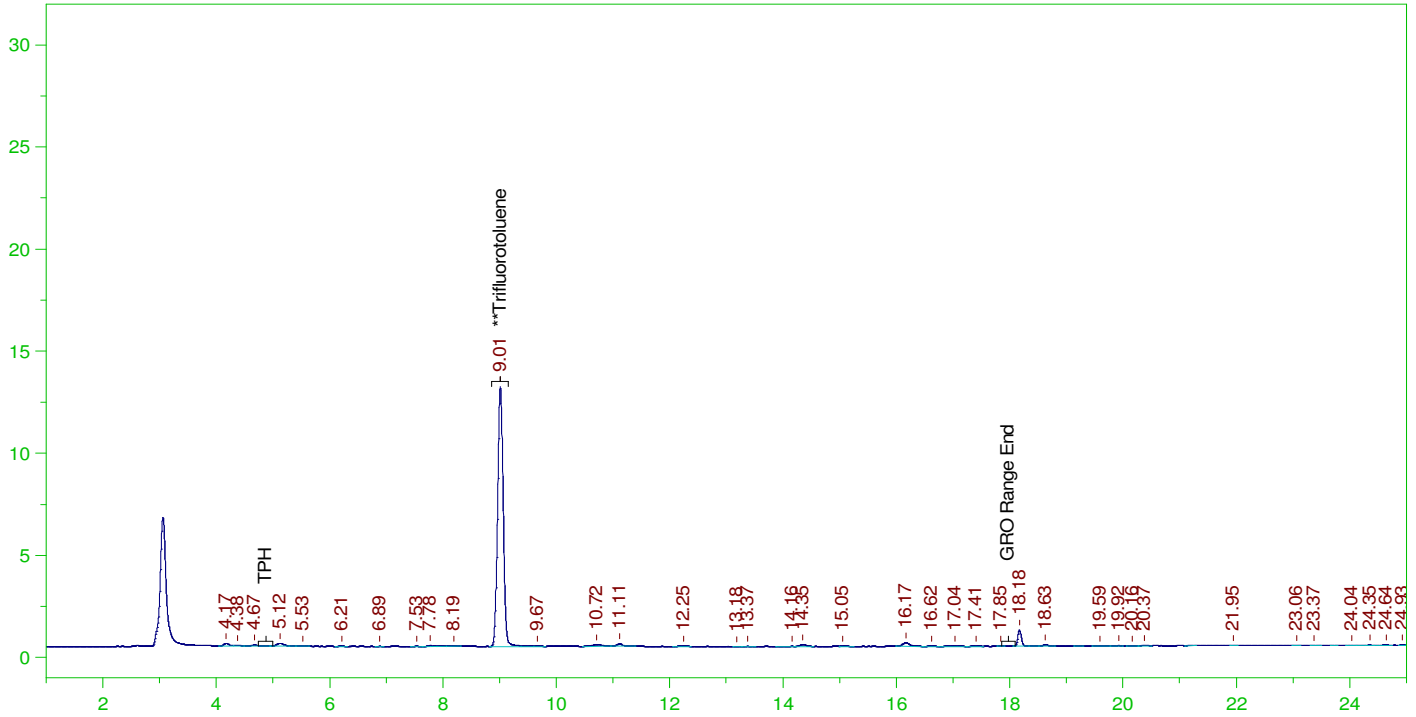
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.012	25.	18.563	74.25

C6 to C10 Area:5829.158 C6 to C10 Amount: 1.18965
TPH Area:10088.43 TPH Amount: 2.111268

ERH2489 (Trip Blank) 14733

G:\Org\VAR\DAT\VAR013022_b\0130VARB.0012.RAW

B22011592-003A ;0130VAR , \$HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22011592-003A ;0130VAR , \$HC-8015-GRO-W,
Raw File: G:\Org\VAR\DAT\VAR013022_b\0130VARB.0012.RAW
Date & Time Acquired: 1/30/2022 4:24:05 PM
Method File: G:\Org\VAR\Methods\211208G1592-3DoDB%.MET
Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 979.9788
Mean RF for TPH: 955.6747
Rt range for Gasoline Range Organics: 4.75 to 18.09

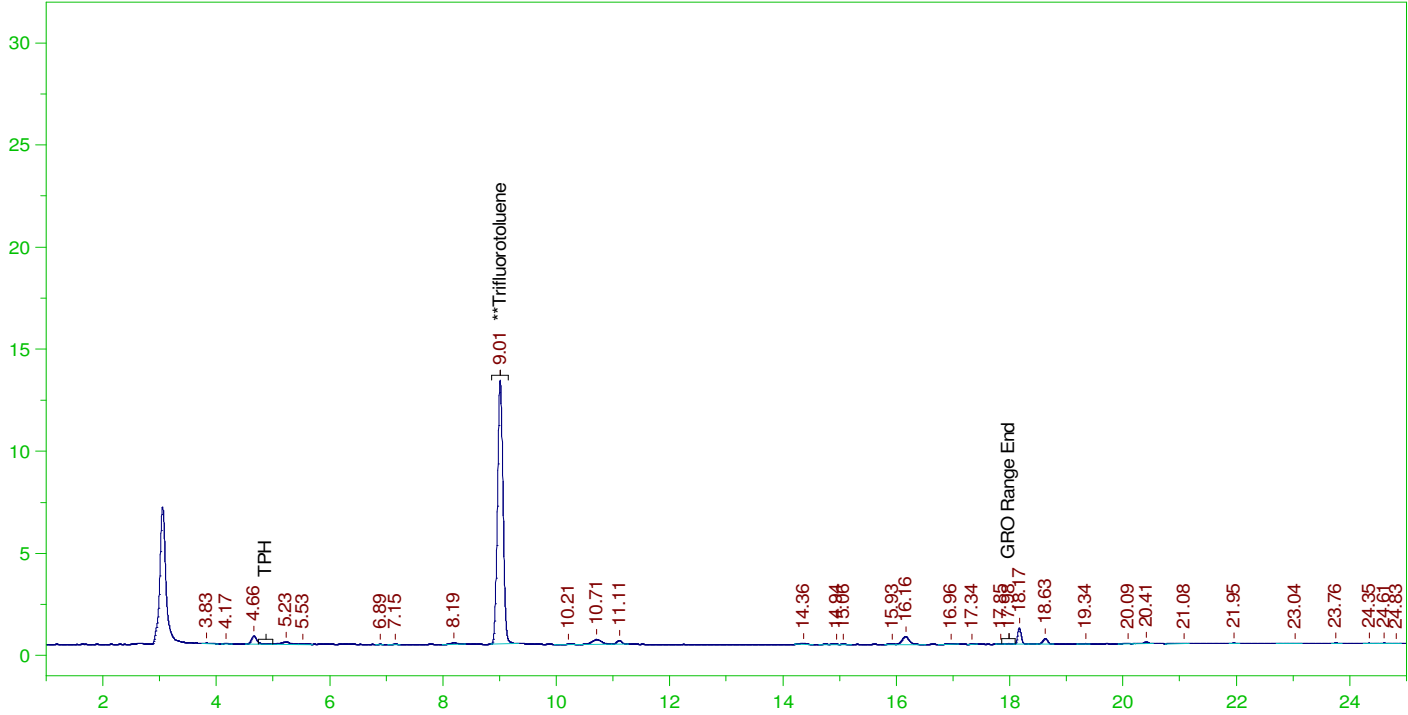
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.012	25.	18.921	75.68

C6 to C10 Area:7829.317 C6 to C10 Amount: 1.597854
TPH Area:15021.13 TPH Amount: 3.143565

ERH2473 (Trip Blank) 14733

G:\Org\VAR\DAT\VAR013022_b\0130VARB.0013.RAW

B22011592-009A ;0130VAR , \$HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22011592-009A ;0130VAR , \$HC-8015-GRO-W,
Raw File: G:\Org\VAR\DAT\VAR013022_b\0130VARB.0013.RAW
Date & Time Acquired: 1/30/2022 4:58:17 PM
Method File: G:\Org\VAR\Methods\211208G1592-9DoDB%.MET
Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 979.9788
Mean RF for TPH: 955.6747
Rt range for Gasoline Range Organics: 4.75 to 18.09

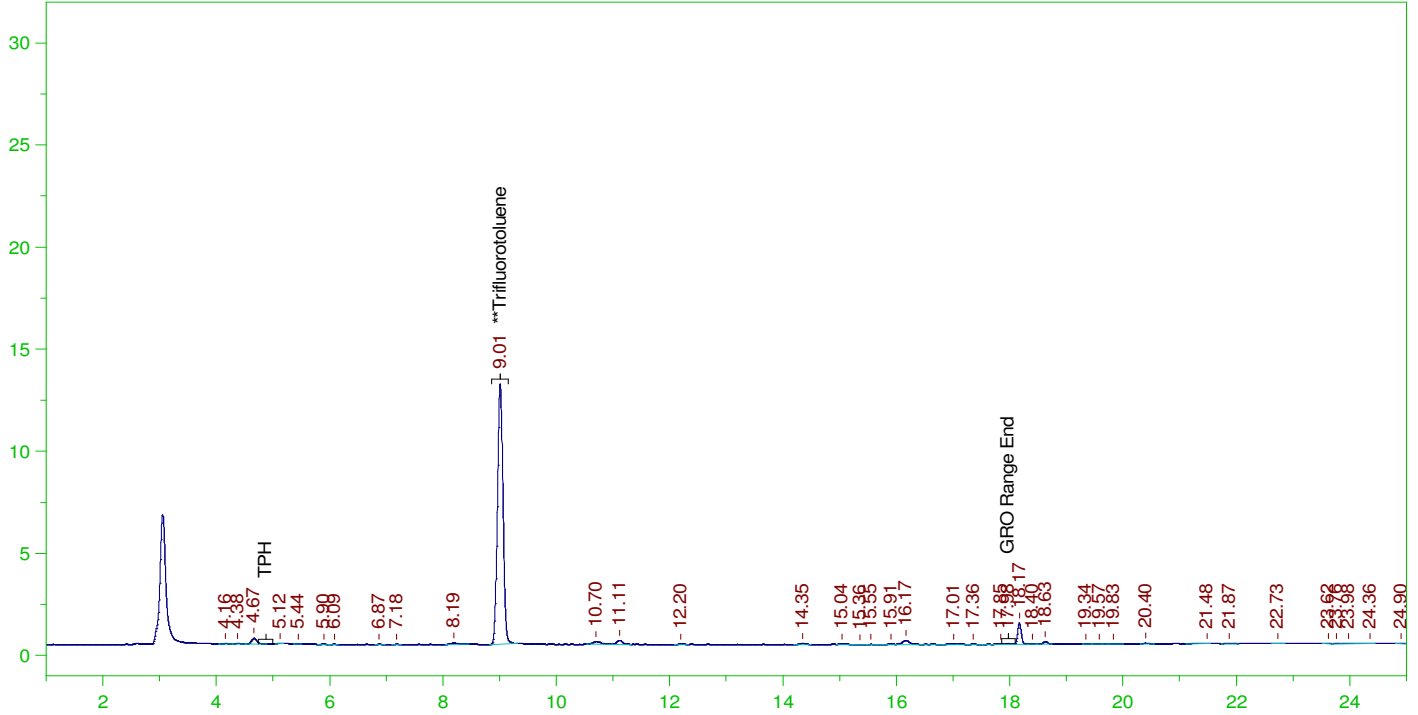
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.01	25.	19.015	76.06

C6 to C10 Area:11692.35 C6 to C10 Amount: 2.386246
TPH Area:21917.85 TPH Amount: 4.586884

ERH2480 (Trip Blank) 14694

G:\Org\VAR\DAT\VAR013022_b\0130VARB.0014.RAW

B22011592-014A ;0130VAR , \$HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22011592-014A ;0130VAR , \$HC-8015-GRO-W,
Raw File: G:\Org\VAR\DAT\VAR013022_b\0130VARB.0014.RAW
Date & Time Acquired: 1/30/2022 5:32:26 PM
Method File: G:\Org\VAR\Methods\2112081592-14DoDB%.MET
Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 979.9788
Mean RF for TPH: 955.6747
Rt range for Gasoline Range Organics: 4.75 to 18.09

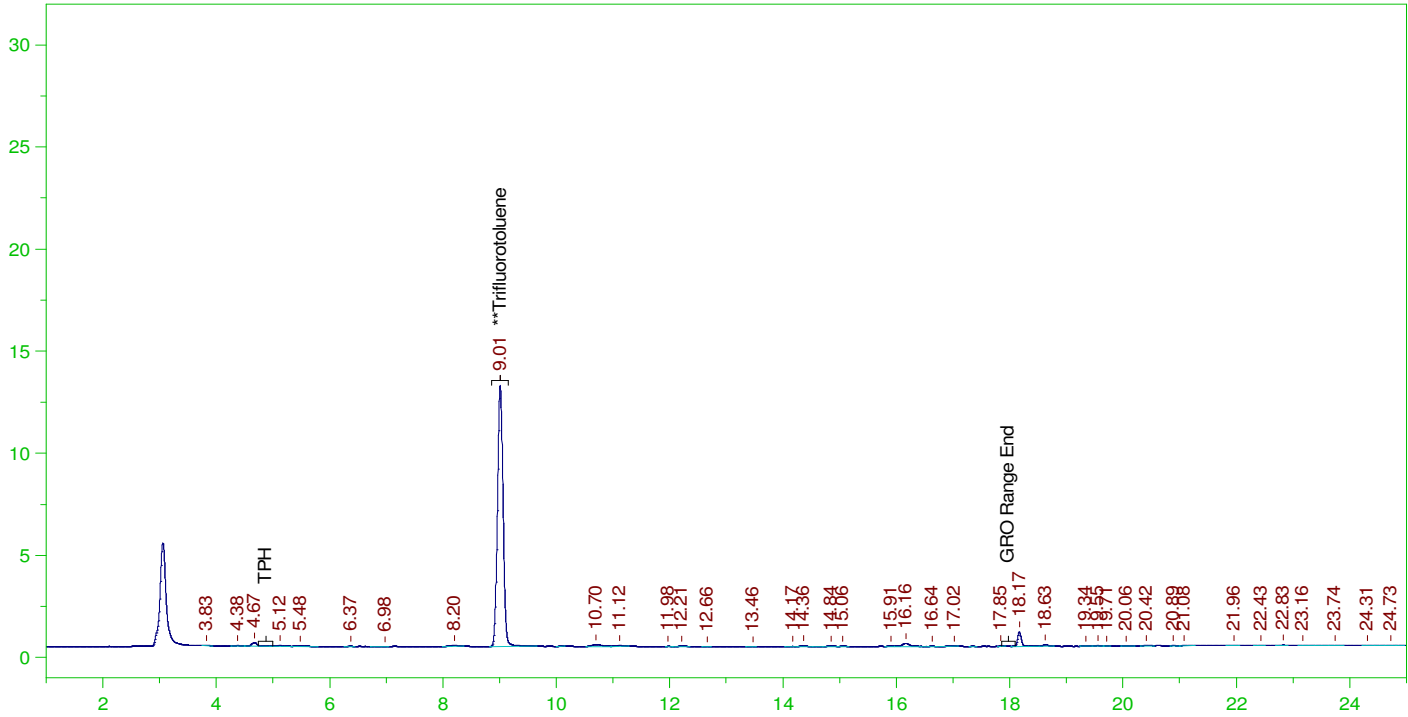
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.01	25.	18.826	75.3

C6 to C10 Area:7897.005 C6 to C10 Amount: 1.611669
TPH Area:17638.2 TPH Amount: 3.691256

EHR2492 (Trip Blank) 14694

G:\Org\VAR\DAT\VAR013022_b\0130VARB.0015.RAW

B22011592-019A ;0130VAR , \$HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22011592-019A ;0130VAR , \$HC-8015-GRO-W,
Raw File: G:\Org\VAR\DAT\VAR013022_b\0130VARB.0015.RAW
Date & Time Acquired: 1/30/2022 6:06:35 PM
Method File: G:\Org\VAR\Methods\211208G1592-19DoDB%.MET
Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 979.9788
Mean RF for TPH: 955.6747
Rt range for Gasoline Range Organics: 4.75 to 18.09

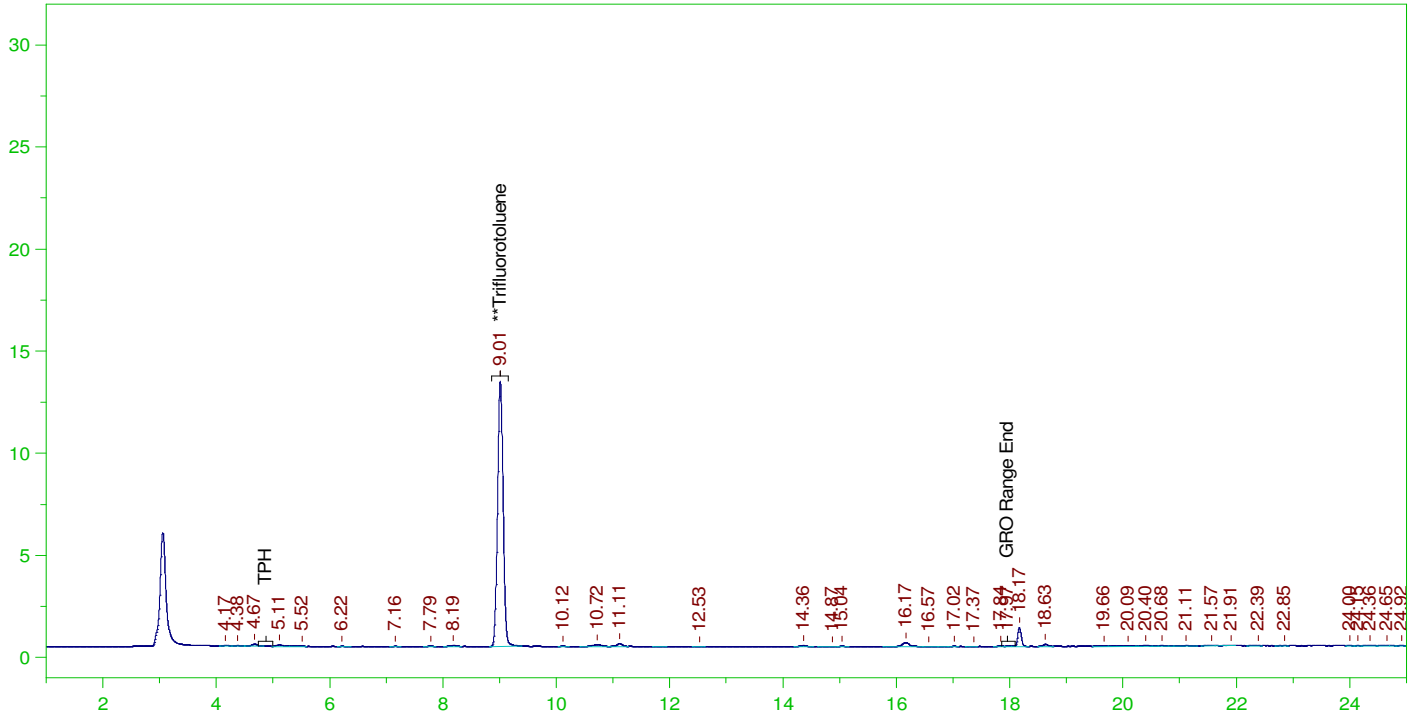
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.01	25.	19.065	76.26

C6 to C10 Area:5964.777 C6 to C10 Amount: 1.217328
TPH Area:13237.44 TPH Amount: 2.770282

ERH2482 (Trip Blank) 14733

G:\Org\VAR\DAT\VAR013022_b\0130VARB.0016.RAW

B22011592-024A ;0130VAR , \$HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22011592-024A ;0130VAR , \$HC-8015-GRO-W,
Raw File: G:\Org\VAR\DAT\VAR013022_b\0130VARB.0016.RAW
Date & Time Acquired: 1/30/2022 6:40:44 PM
Method File: G:\Org\VAR\Methods\211208G1592-24DoDB%.MET
Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 979.9788
Mean RF for TPH: 955.6747
Rt range for Gasoline Range Organics: 4.75 to 18.09

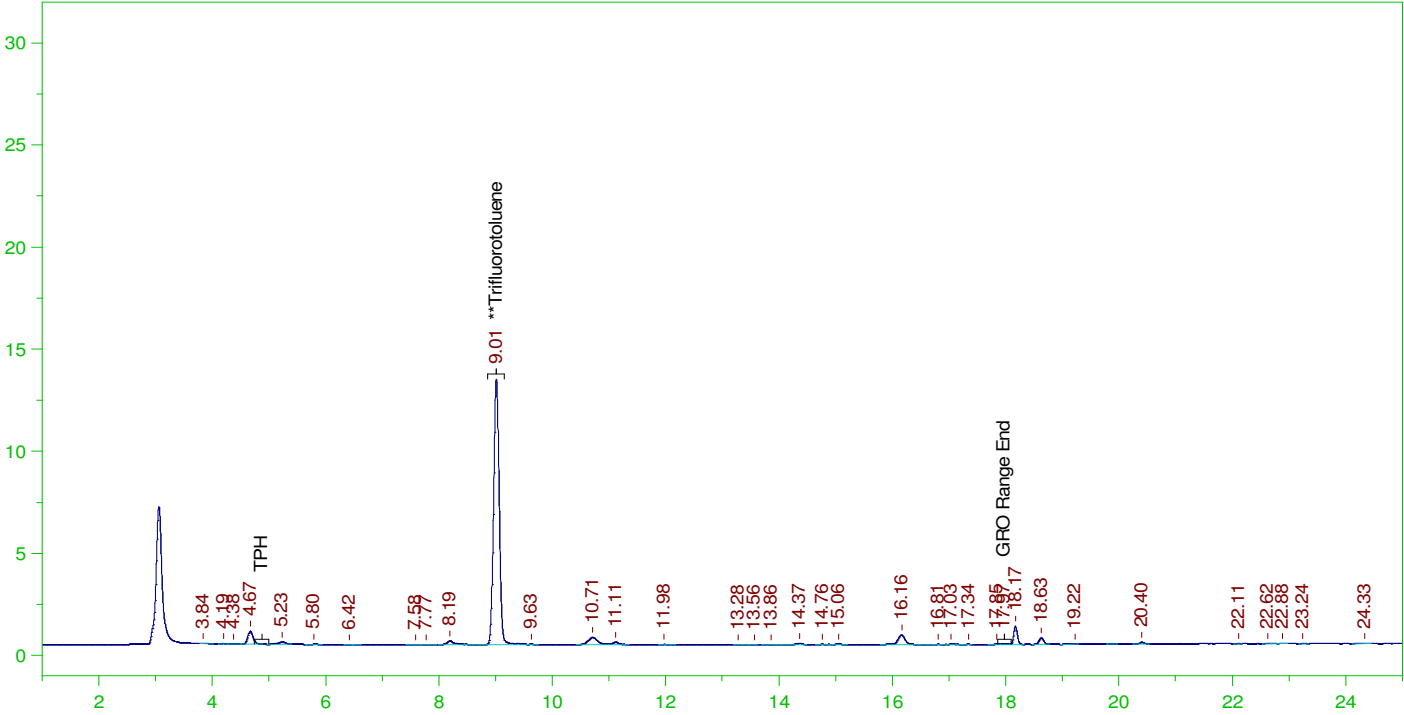
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.011	25.	19.188	76.75

C6 to C10 Area:7114.802 C6 to C10 Amount: 1.452032
TPH Area:15396.32 TPH Amount: 3.222084

ERH2485 (Trip Blank)-14733

G:\Org\VAR\DAT\VAR013022_b\0130VARB.0017.RAW

B22011592-029A ;0130VAR , \$HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22011592-029A ;0130VAR , \$HC-8015-GRO-W,
Raw File: G:\Org\VAR\DAT\VAR013022_b\0130VARB.0017.RAW
Date & Time Acquired: 1/30/2022 7:14:52 PM
Method File: G:\Org\VAR\Methods\211208G1592-29DoDB%.MET
Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 979.9788
Mean RF for TPH: 955.6747
Rt range for Gasoline Range Organics: 4.75 to 18.09

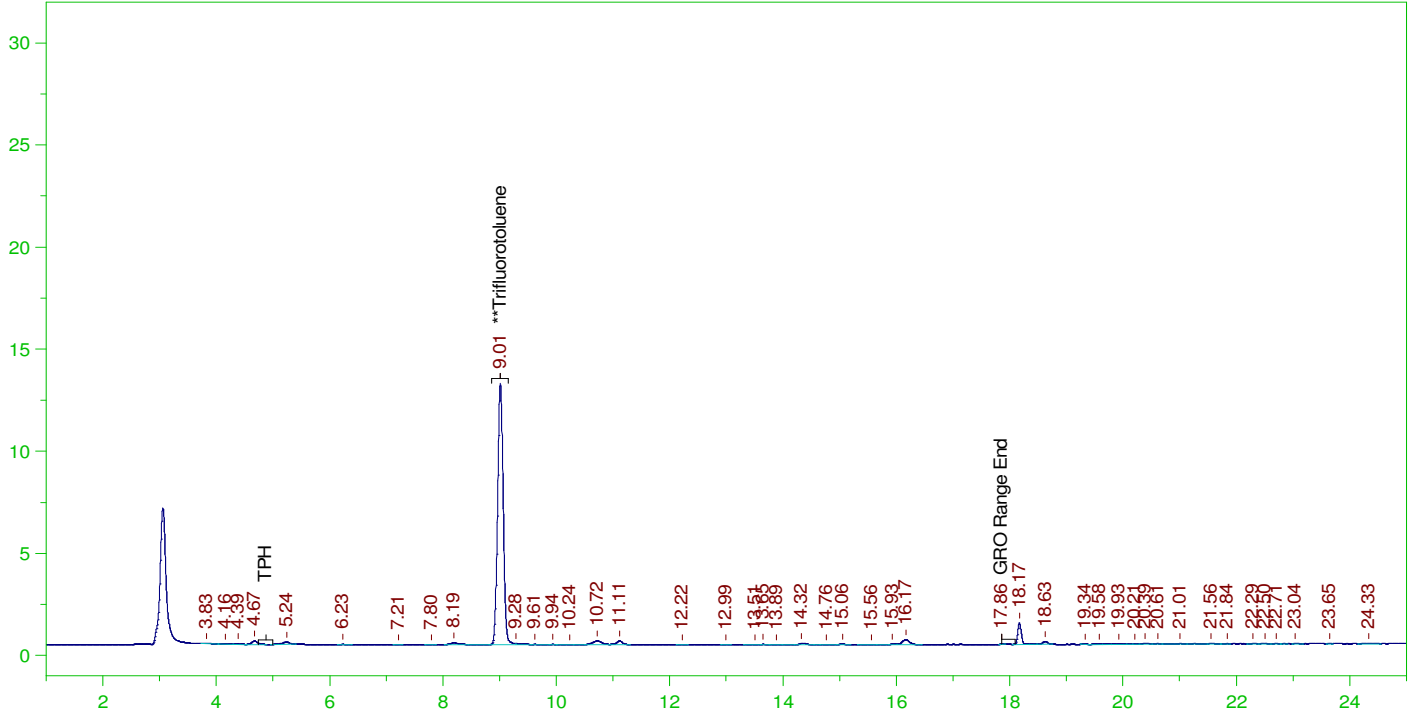
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.012	25.	19.313	77.25

C6 to C10 Area:14687.01 C6 to C10 Amount: 2.997414
TPH Area:26760.16 TPH Amount: 5.600266

ERH2478 (Trip Blank) 14733

G:\Org\VAR\DAT\VAR013022_b\0130VARB.0018.RAW

B22011717-003A ;0130VAR , \$HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22011717-003A ;0130VAR , \$HC-8015-GRO-W,
Raw File: G:\Org\VAR\DAT\VAR013022_b\0130VARB.0018.RAW
Date & Time Acquired: 1/30/2022 7:49:01 PM
Method File: G:\Org\VAR\Methods\211208G1717-3DoDB%.MET
Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 979.9788
Mean RF for TPH: 955.6747
Rt range for Gasoline Range Organics: 4.75 to 18.09

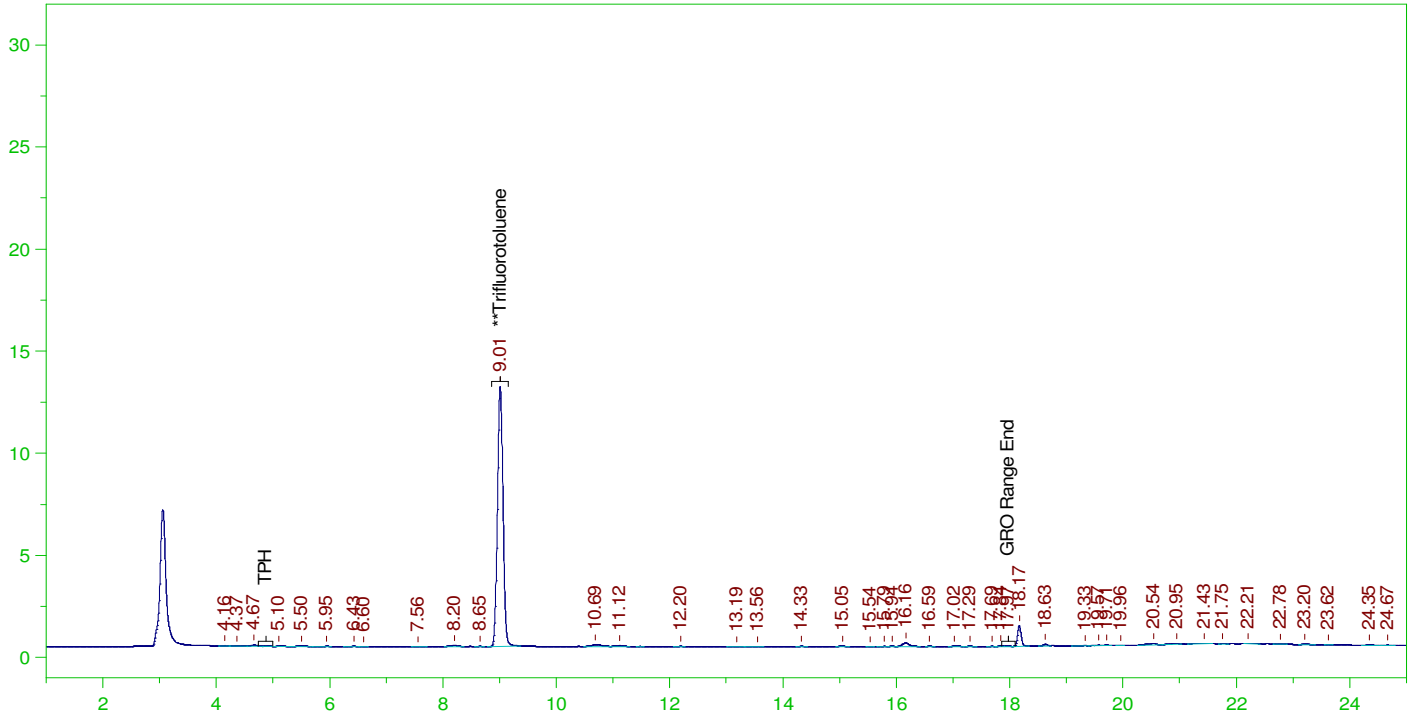
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.012	25.	18.991	75.96

C6 to C10 Area:11265.84 C6 to C10 Amount: 2.299201
TPH Area:21441.5 TPH Amount: 4.487197

ERH2490 (RHMW2254-01 LF)

G:\Org\VAR\DAT\VAR013022_b\0130VARB.0019.RAW

B22011592-001G ;0130VAR , \$HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22011592-001G ;0130VAR , \$HC-8015-GRO-W,
Raw File: G:\Org\VAR\DAT\VAR013022_b\0130VARB.0019.RAW
Date & Time Acquired: 1/30/2022 8:23:13 PM
Method File: G:\Org\VAR\Methods\211208G1592-1DoDB%.MET
Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

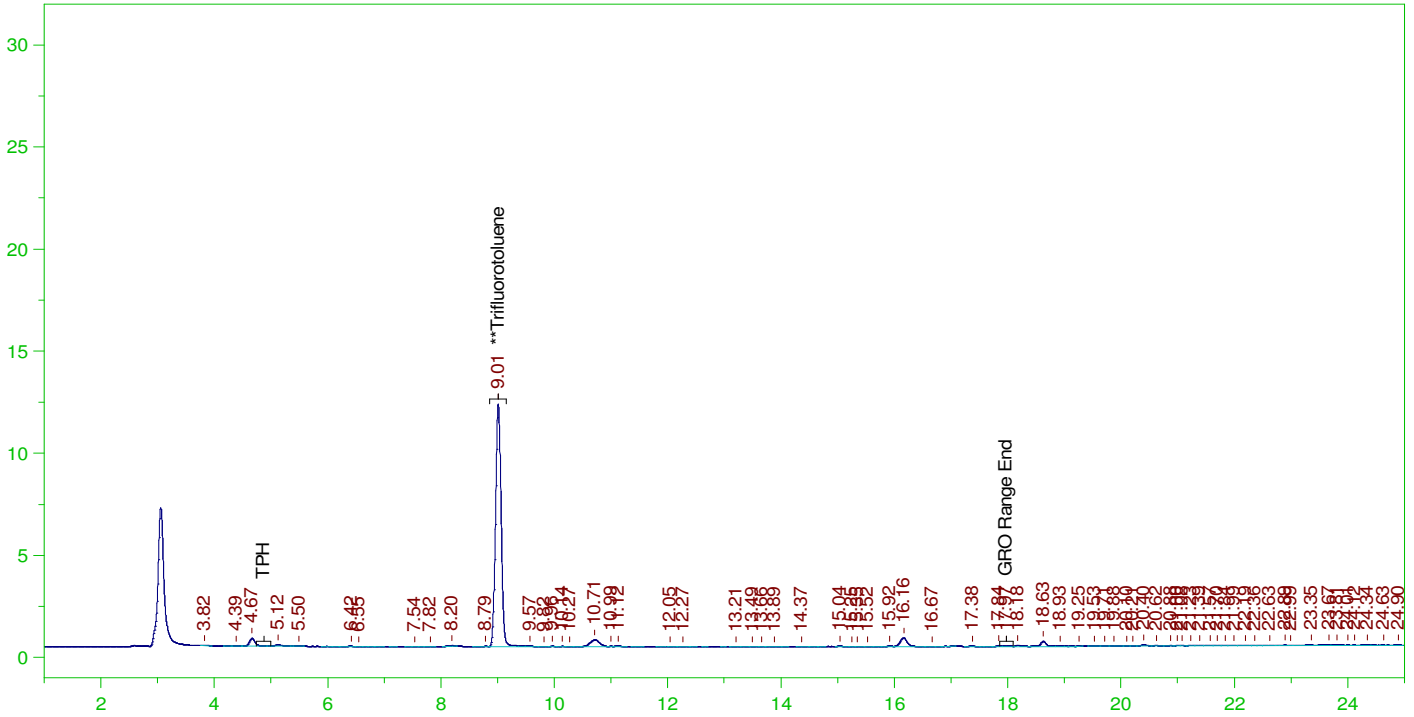
Mean RF for C6 to C10: 979.9788
Mean RF for TPH: 955.6747
Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.009	25.	18.804	75.22

C6 to C10 Area:6407.497 C6 to C10 Amount: 1.307681
TPH Area:15491.66 TPH Amount: 3.242035

G:\Org\VAR\DAT\VAR013022_b\0130VARB.0020.RAW

BLANK



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\VAR\DAT\VAR013022_b\0130VARB.0020.RAW
 Date & Time Acquired: 1/30/2022 8:57:22 PM
 Method File: G:\Org\VAR\Methods\211208GRO_DoDB.MET
 Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 979.9788
 Mean RF for TPH: 955.6747
 Rt range for Gasoline Range Organics: 4.75 to 18.09

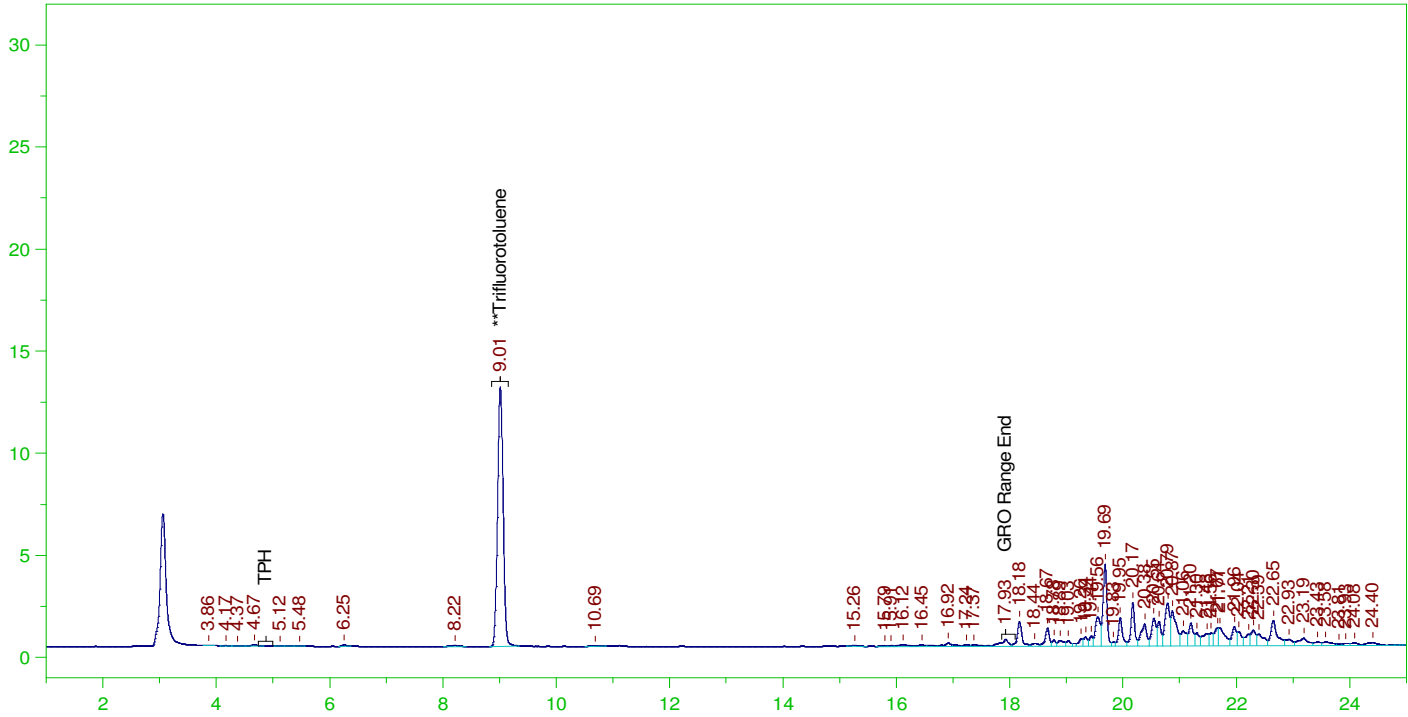
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.011	125.	88.342	70.67

C6 to C10 Area:12841.17 C6 to C10 Amount: 13.10352
 TPH Area:24252.86 TPH Amount: 25.37774

ERH2474 (RHMW01R)

G:\Org\VAR\DAT\VAR013022_b\0130VARB.0021.RAW

B22011592-006G ;0130VAR , \$HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22011592-006G ;0130VAR , \$HC-8015-GRO-W,
Raw File: G:\Org\VAR\DAT\VAR013022_b\0130VARB.0021.RAW
Date & Time Acquired: 1/30/2022 9:31:31 PM
Method File: G:\Org\VAR\Methods\211208G1592-6DoDB%.MET
Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

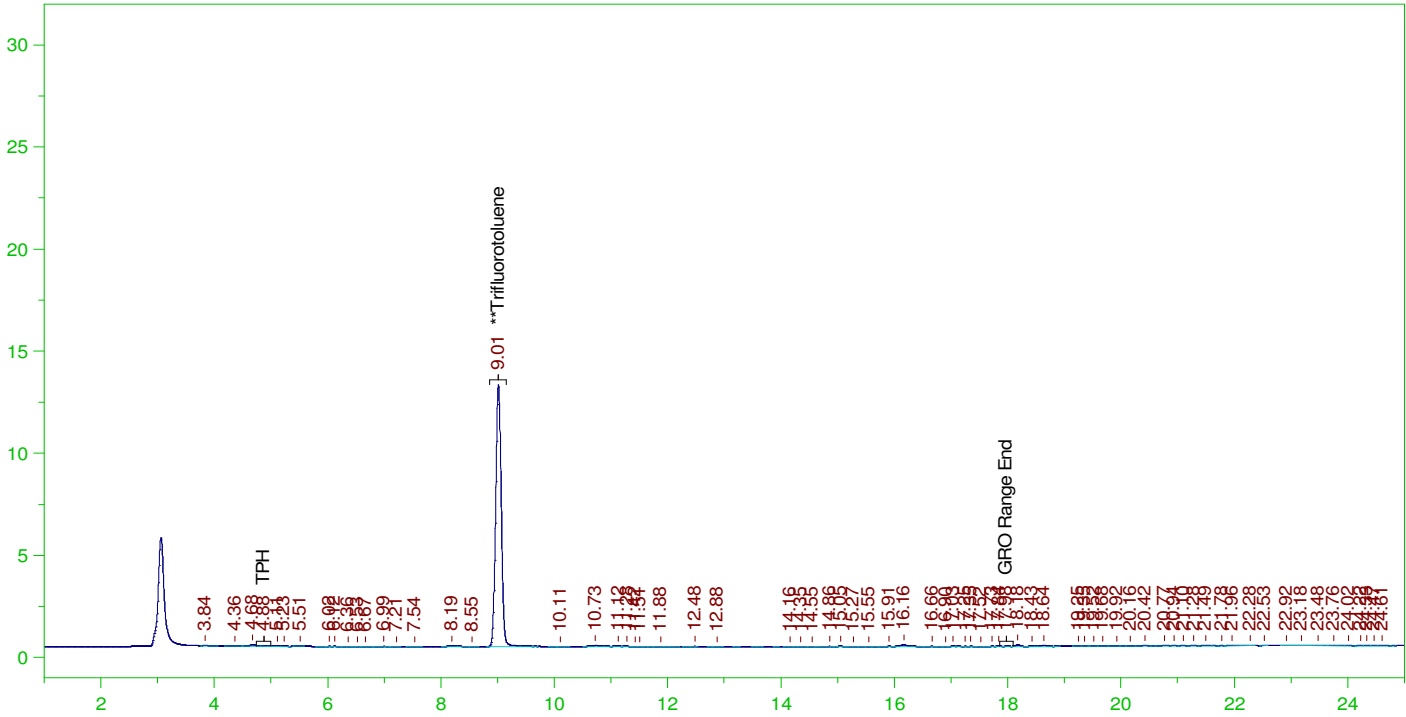
Mean RF for C6 to C10: 979.9788
Mean RF for TPH: 955.6747
Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.012	25.	18.799	75.2

C6 to C10 Area:9581.547 C6 to C10 Amount: 1.95546
TPH Area:204798.7 TPH Amount: 42.85949

G:\Org\VAR\DAT\VAR013022_b\0130VARB.0022.RAW

BLANK



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\VAR\DAT\VAR013022_b\0130VARB.0022.RAW
 Date & Time Acquired: 1/30/2022 10:05:42 PM
 Method File: G:\Org\VAR\Methods\211208GRO_DoDB.MET
 Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

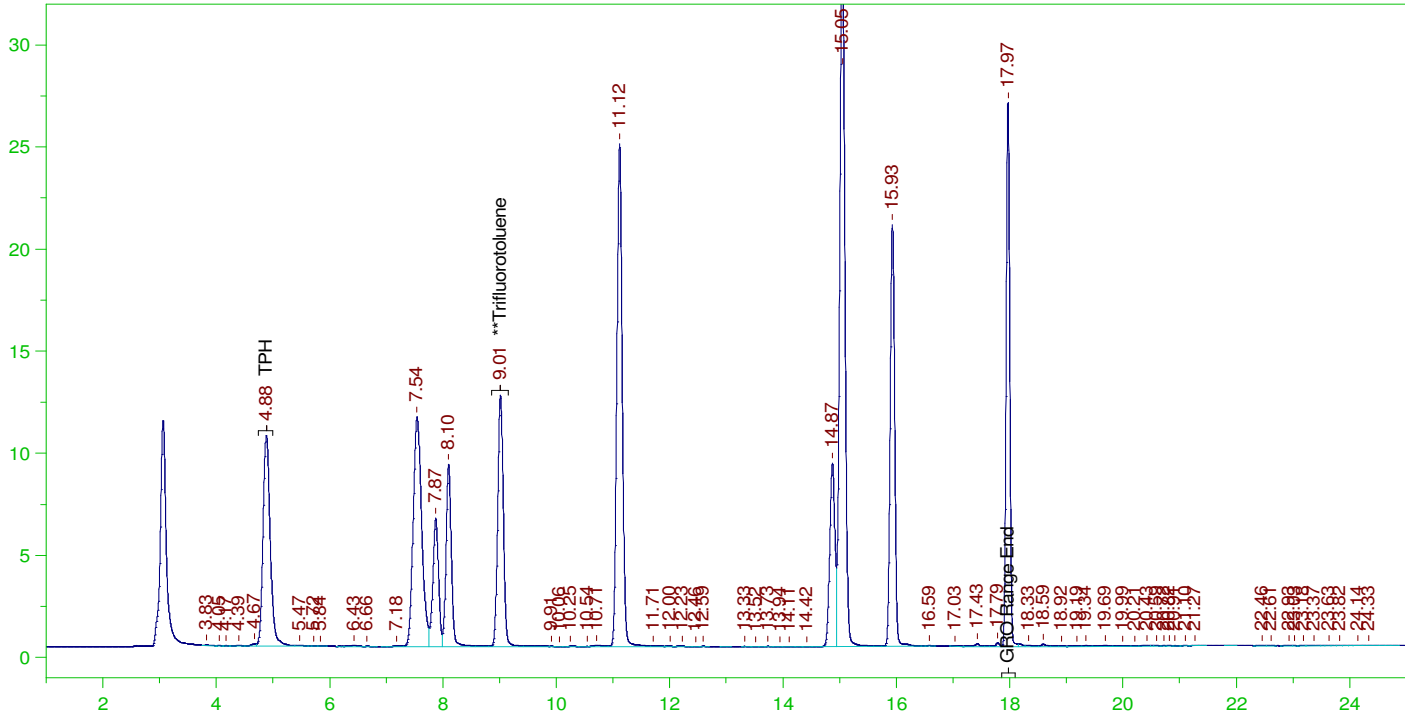
Mean RF for C6 to C10: 979.9788
 Mean RF for TPH: 955.6747
 Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.014	125.	94.992	75.99

C6 to C10 Area:6758.515 C6 to C10 Amount: 6.896593
 TPH Area:11679.9 TPH Amount: 12.22163

G:\Org\VAR\DAT\VAR013022_b\0130VARB.0023.RAW

CCV_0130VAR23r, GQC ;0130VAR ,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_0130VAR23r, GQC ;0130VAR ,
Raw File: G:\Org\VAR\DAT\VAR013022_b\0130VARB.0023.RAW
Date & Time Acquired: 1/30/2022 10:39:52 PM
Method File: G:\Org\VAR\Methods\211208GRO_DoDB.MET
Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 979.9788
Mean RF for TPH: 955.6747
Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.014	125.	92.128	73.7

C6 to C10 Area:992990.2 C6 to C10 Amount: 1013.277
TPH Area:999158.6 TPH Amount: 1045.501

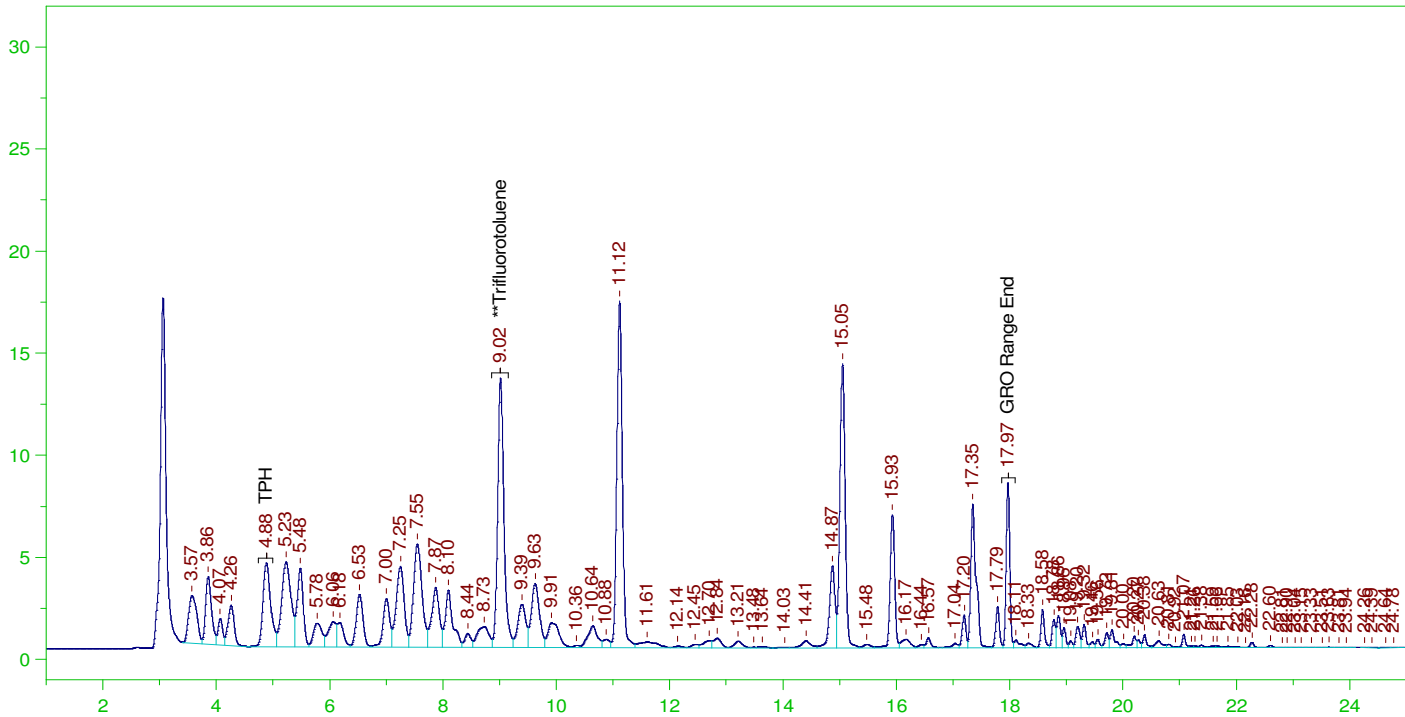
CONTINUING CALIBRATION REPORT: G:\Org\VAR\DAT\VAR013022_b\0130VARB.0023.RAW

COMPOUND	ACTUAL (NG)	MEASURED (NG)	%RECOVERY	LIMITS
C6 to C10	840.	1013.28	120.63	85-115
TPH	1000.	1045.5	104.55	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	9.014	125.	92.128	73.7	85-115

G:\Org\VAR\DAT\VAR013022_b\0130VARB.0024.RAW

CCV_0130VAR24r, GQC ;0130VAR ,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_0130VAR24r, GQC ;0130VAR ,
Raw File: G:\Org\VAR\DAT\VAR013022_b\0130VARB.0024.RAW
Date & Time Acquired: 1/30/2022 11:14:03 PM
Method File: G:\Org\VAR\Methods\211208GCCV0130_24DoDB%.MET
Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 979.9788
Mean RF for TPH: 955.6747
Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	9.016	125.	109.687	87.75	-

C6 to C10 Area:857331.8 C6 to C10 Amount: 874.8473
TPH Area:1005186 TPH Amount: 1051.807

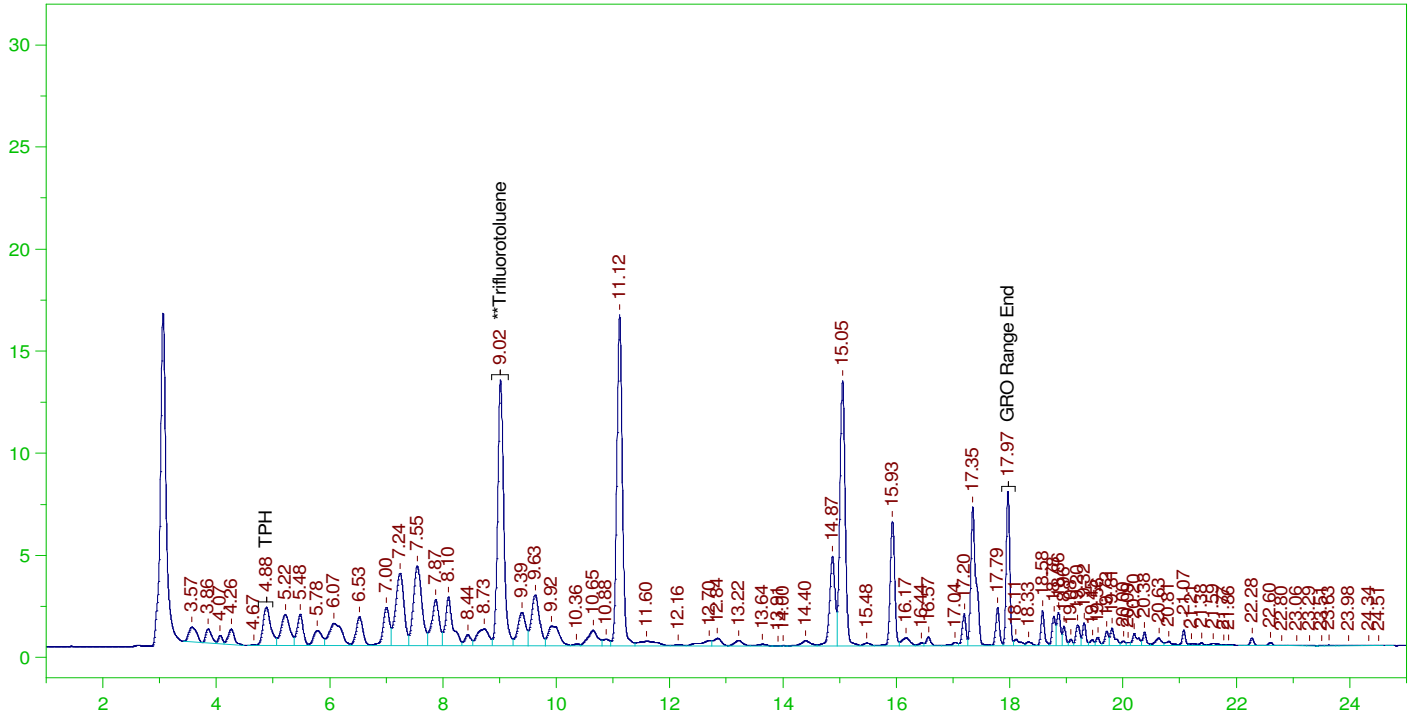
CONTINUING CALIBRATION REPORT: G:\Org\VAR\DAT\VAR013022_b\0130VARB.0024.RAW

COMPOUND	ACTUAL (NG)	MEASURED (NG)	%RECOVERY	LIMITS
C6 to C10	840.	874.85	104.15	85-115
TPH	1000.	1051.81	105.18	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	9.016	125.	109.687	87.75	85-115

G:\Org\VAR\DAT\VAR013022_b\0130VARB.0025.RAW

LCS_0130VAR25r, GQC ;0130VAR ,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: LCS_0130VAR25r, GQC ;0130VAR ,
 Raw File: G:\Org\VAR\DAT\VAR013022_b\0130VARB.0025.RAW
 Date & Time Acquired: 1/30/2022 11:48:12 PM
 Method File: G:\Org\VAR\Methods\211208GRO_DoDB%.MET
 Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
 Sample Weight: 5 Dilution: 1 S.A.: 1

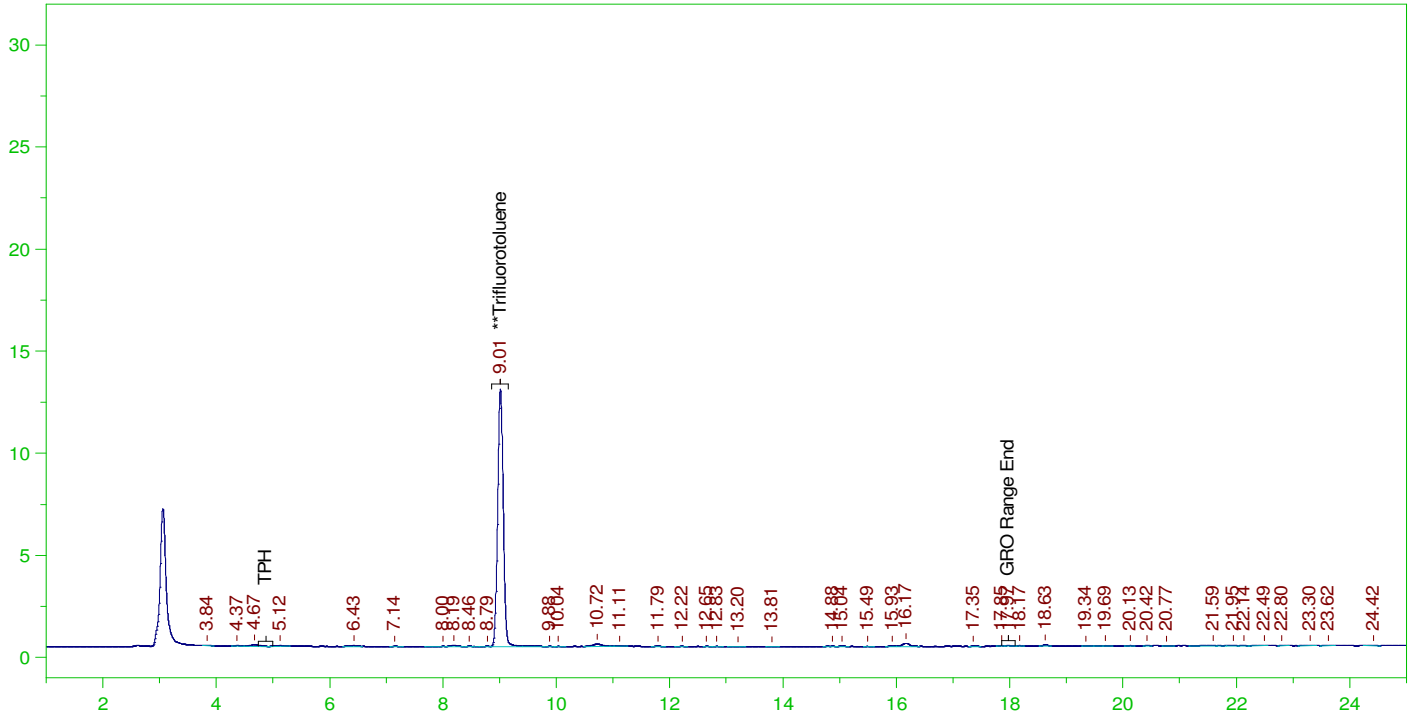
Mean RF for C6 to C10: 979.9788
 Mean RF for TPH: 955.6747
 Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.015	25.	20.916	83.66

C6 to C10 Area:687604.9 C6 to C10 Amount: 140.3306
 TPH Area:781246 TPH Amount: 163.4962

G:\Org\VAR\DAT\VAR013022_b\0130VARB.0026.RAW

MBLK_0130VAR26r, QC ;0130VAR ,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: MBLK_0130VAR26r, QC ;0130VAR ,
Raw File: G:\Org\VAR\DAT\VAR013022_b\0130VARB.0026.RAW
Date & Time Acquired: 1/31/2022 12:22:23 AM
Method File: G:\Org\VAR\Methods\211208GMB0130_26DoDB%.MET
Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 979.9788
Mean RF for TPH: 955.6747
Rt range for Gasoline Range Organics: 4.75 to 18.09

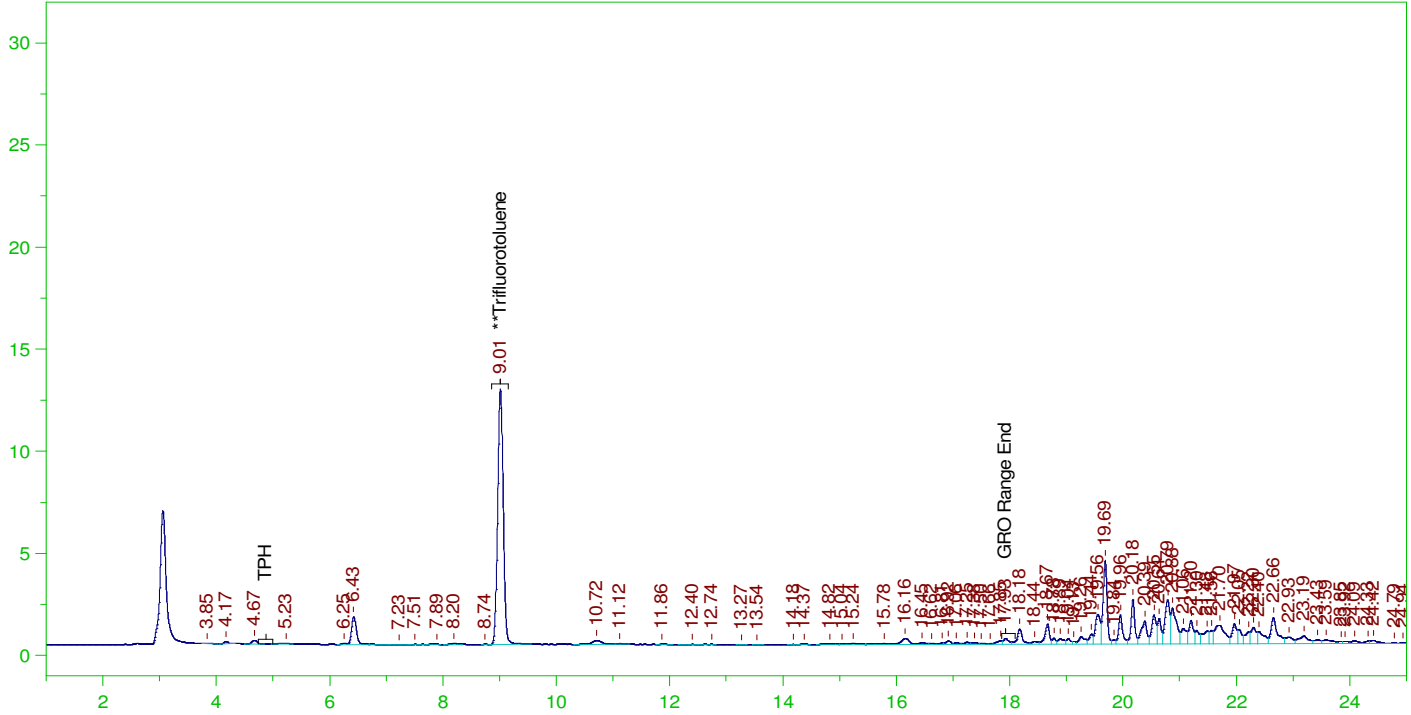
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.014	25.	18.766	75.06

C6 to C10 Area:6229.307 C6 to C10 Amount: 1.271315
TPH Area:9802.232 TPH Amount: 2.051374

ERH2475 (RHMW01R)

G:\Org\VAR\DAT\VAR013022_b\0130VARB.0027.RAW

B22011592-007D ;0130VAR , \$HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22011592-007D ;0130VAR , \$HC-8015-GRO-W,
Raw File: G:\Org\VAR\DAT\VAR013022_b\0130VARB.0027.RAW
Date & Time Acquired: 1/31/2022 12:56:34 AM
Method File: G:\Org\VAR\Methods\211208G1592-7DoDB%.MET
Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 979.9788
Mean RF for TPH: 955.6747
Rt range for Gasoline Range Organics: 4.75 to 18.09

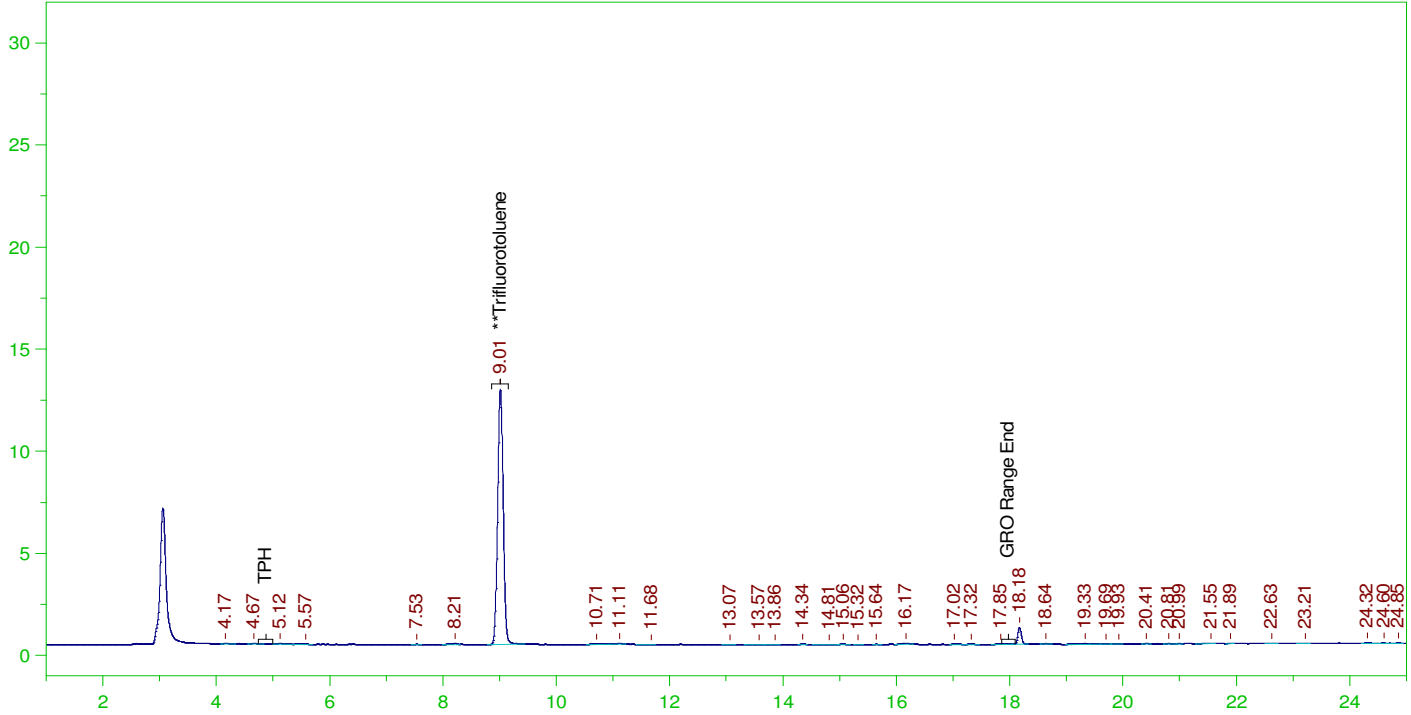
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.013	25.	18.568	74.27

C6 to C10 Area:26711.42 C6 to C10 Amount: 5.451428
TPH Area:230512.6 TPH Amount: 48.24082

ERH2481 (OWDFMW07A)

G:\Org\VAR\DAT\VAR013022_b\0130VARB.0029.RAW

B22011592-012G ;0130VAR , \$HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22011592-012G ;0130VAR , \$HC-8015-GRO-W,
Raw File: G:\Org\VAR\DAT\VAR013022_b\0130VARB.0029.RAW
Date & Time Acquired: 1/31/2022 2:04:56 AM
Method File: G:\Org\VAR\Methods\211208G1592-12DoDB%.MET
Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

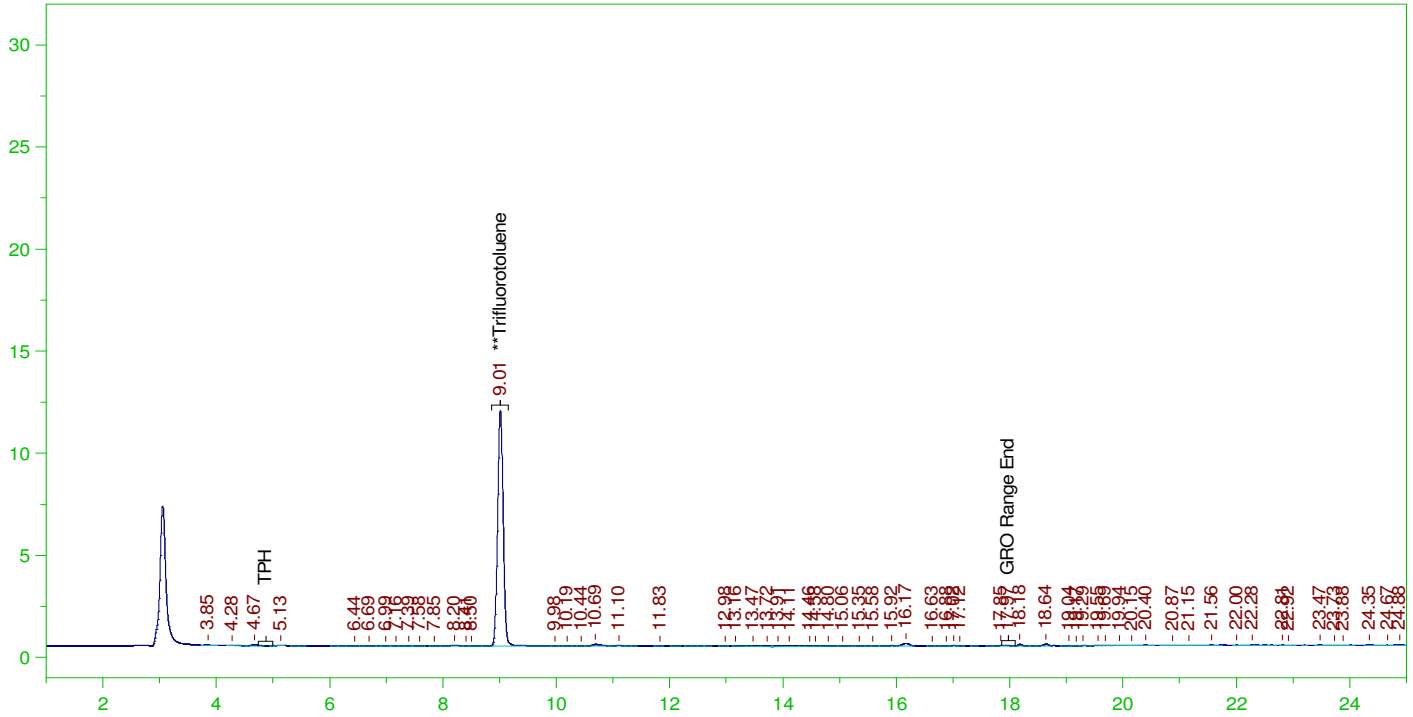
Mean RF for C6 to C10: 979.9788
Mean RF for TPH: 955.6747
Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.013	25.	18.494	73.98

C6 to C10 Area:3552.954 C6 to C10 Amount: 0.7251083
TPH Area:9197.406 TPH Amount: 1.924799

G:\Org\VAR\DAT\VAR013022_b\0130VARB.0030.RAW

BLANK



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\VAR\DAT\VAR013022_b\0130VARB.0030.RAW
 Date & Time Acquired: 1/31/2022 2:39:07 AM
 Method File: G:\Org\VAR\Methods\211208GRO_DoDB.MET
 Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 979.9788
 Mean RF for TPH: 955.6747
 Rt range for Gasoline Range Organics: 4.75 to 18.09

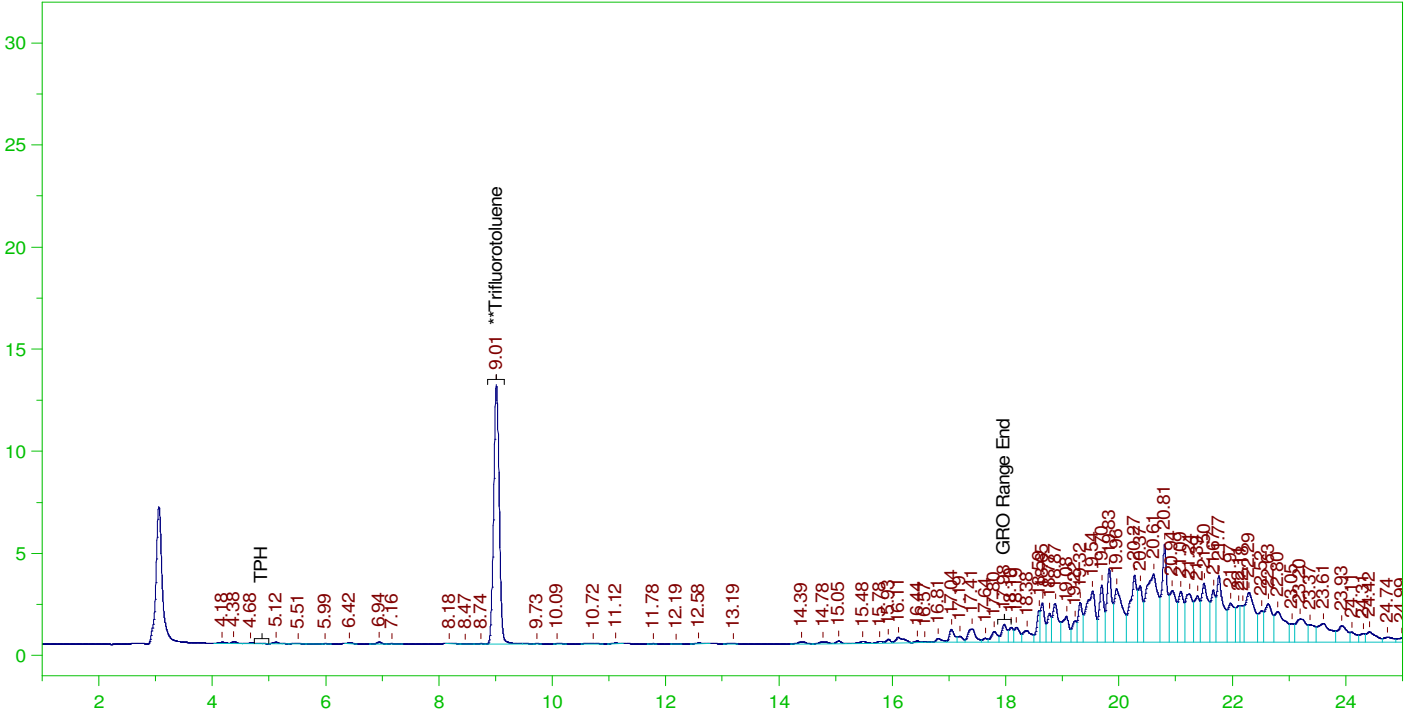
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.012	125.	85.881	68.7

C6 to C10 Area:6648.977 C6 to C10 Amount: 6.784817
 TPH Area:11133.48 TPH Amount: 11.64986

ERH2493 (Sump Adit3)

G:\Org\VAR\DAT\VAR013022_b\0130VARB.0031.RAW

B22011592-017G ;0130VAR , \$HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22011592-017G ;0130VAR , \$HC-8015-GRO-W,
Raw File: G:\Org\VAR\DAT\VAR013022_b\0130VARB.0031.RAW
Date & Time Acquired: 1/31/2022 3:13:17 AM
Method File: G:\Org\VAR\Methods\211208G1592-17DoDB%.MET
Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

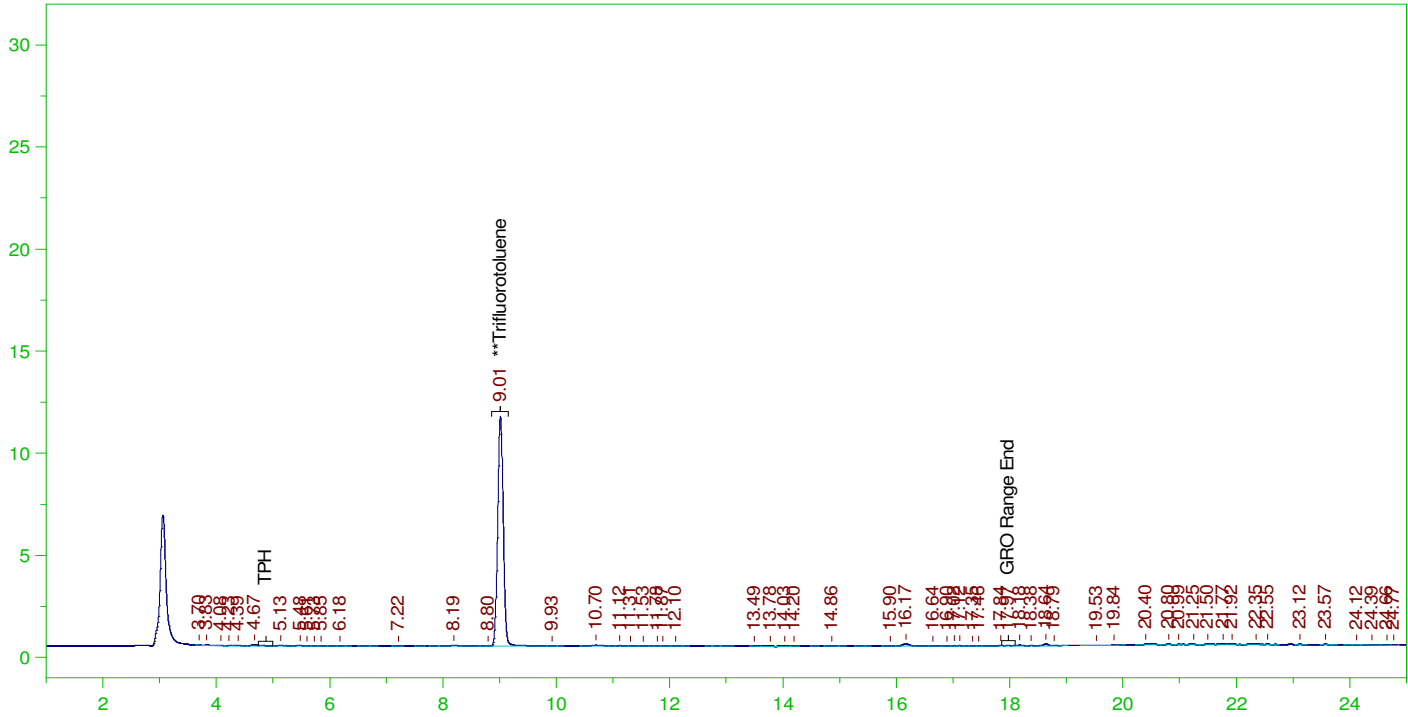
Mean RF for C6 to C10: 979.9788
Mean RF for TPH: 955.6747
Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.013	25.	18.894	75.58

C6 to C10 Area:37581.29 C6 to C10 Amount: 7.669816
TPH Area:650793.2 TPH Amount: 136.1955

G:\Org\VAR\DAT\VAR013022_b\0130VARB.0032.RAW

BLANK



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\VAR\DAT\VAR013022_b\0130VARB.0032.RAW
 Date & Time Acquired: 1/31/2022 3:47:27 AM
 Method File: G:\Org\VAR\Methods\211208GRO_DoDB.MET
 Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

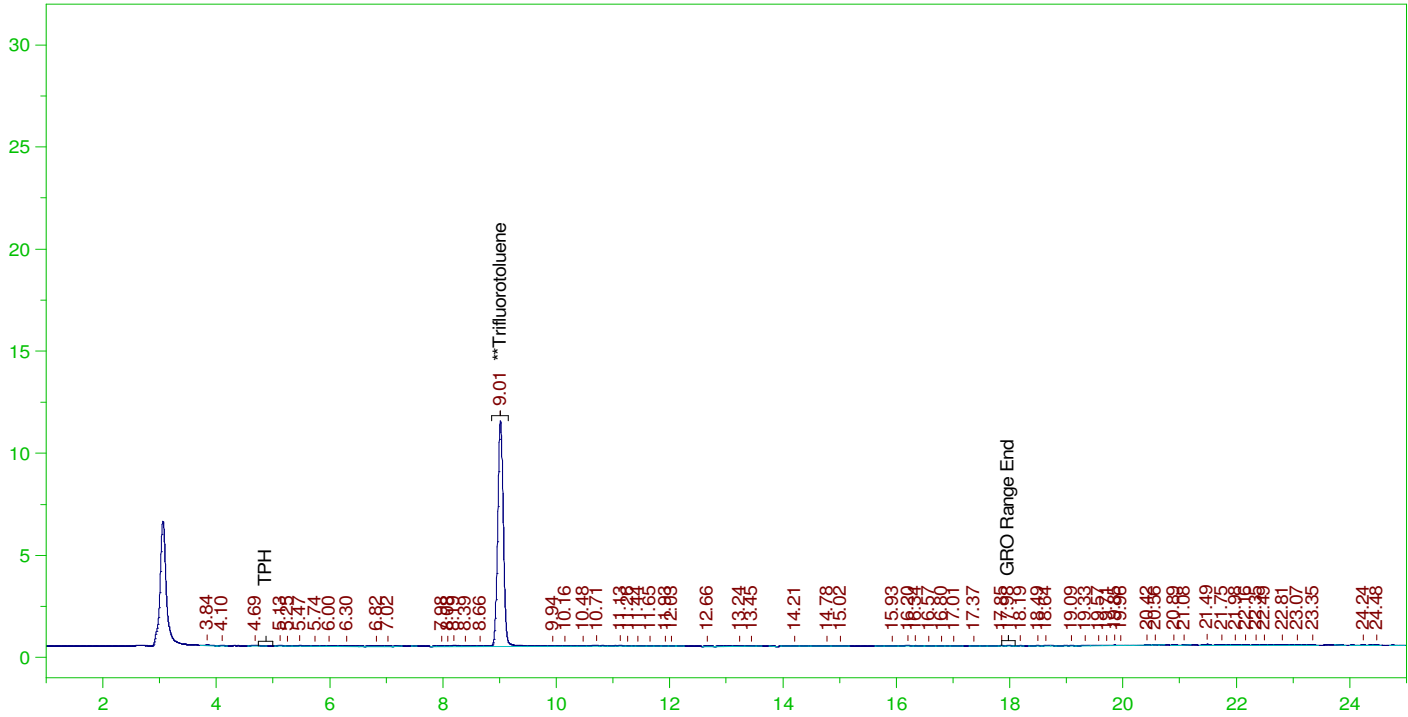
Mean RF for C6 to C10: 979.9788
 Mean RF for TPH: 955.6747
 Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.014	125.	83.564	66.85

C6 to C10 Area:6277.5 C6 to C10 Amount: 6.405751
 TPH Area:12246.12 TPH Amount: 12.81411

G:\Org\VAR\DAT\VAR013022_b\0130VARB.0033.RAW

BLANK



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
Raw File: G:\Org\VAR\DAT\VAR013022_b\0130VARB.0033.RAW
Date & Time Acquired: 1/31/2022 4:21:38 AM
Method File: G:\Org\VAR\Methods\211208GRO_DoDB.MET
Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 979.9788
Mean RF for TPH: 955.6747
Rt range for Gasoline Range Organics: 4.75 to 18.09

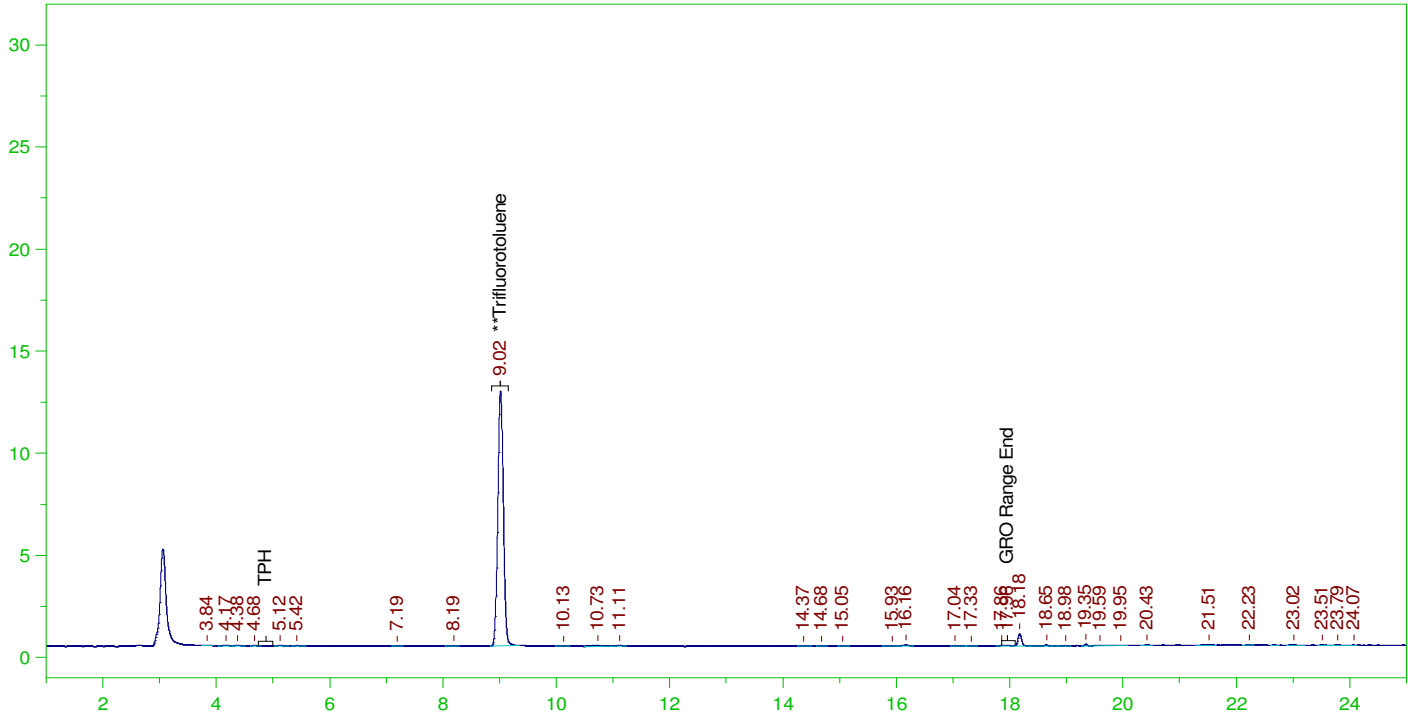
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.014	125.	82.582	66.07

C6 to C10 Area:6344.008 C6 to C10 Amount: 6.473617
TPH Area:10455.5 TPH Amount: 10.94043

ERH2483 (OWDFMW08A)

G:\Org\VAR\DAT\VAR013022_b\0130VARB.0034.RAW

B22011592-022G ;0130VAR , \$HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22011592-022G ;0130VAR , \$HC-8015-GRO-W,
Raw File: G:\Org\VAR\DAT\VAR013022_b\0130VARB.0034.RAW
Date & Time Acquired: 1/31/2022 4:55:49 AM
Method File: G:\Org\VAR\Methods\211208G1592-22DoDB%.MET
Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

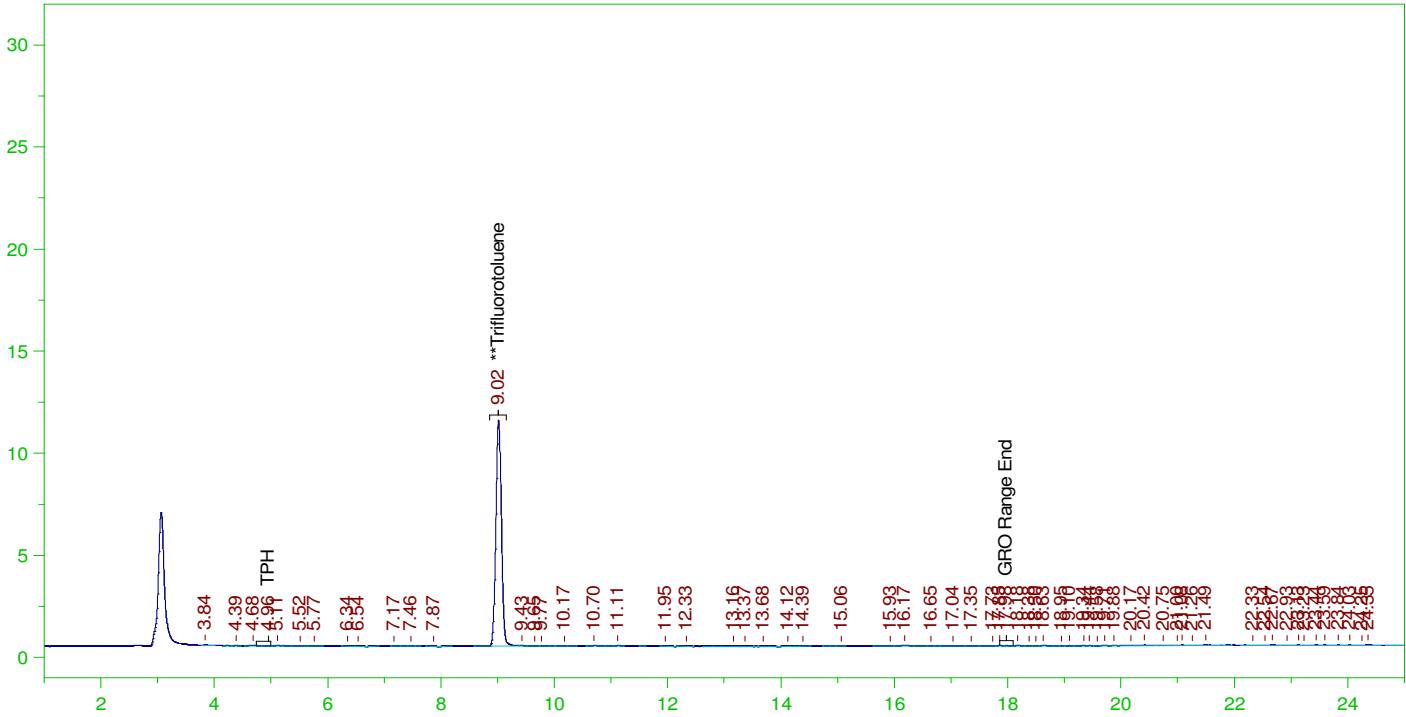
Mean RF for C6 to C10: 979.9788
Mean RF for TPH: 955.6747
Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.016	25.	18.446	73.79

C6 to C10 Area:2434.218 C6 to C10 Amount: 0.4967899
TPH Area:7635.754 TPH Amount: 1.597982

G:\Org\VAR\DAT\VAR013022_b\0130VARB.0035.RAW

BLANK



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\VAR\DAT\VAR013022_b\0130VARB.0035.RAW
 Date & Time Acquired: 1/31/2022 5:29:58 AM
 Method File: G:\Org\VAR\Methods\211208GRO_DoDB.MET
 Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 979.9788
 Mean RF for TPH: 955.6747
 Rt range for Gasoline Range Organics: 4.75 to 18.09

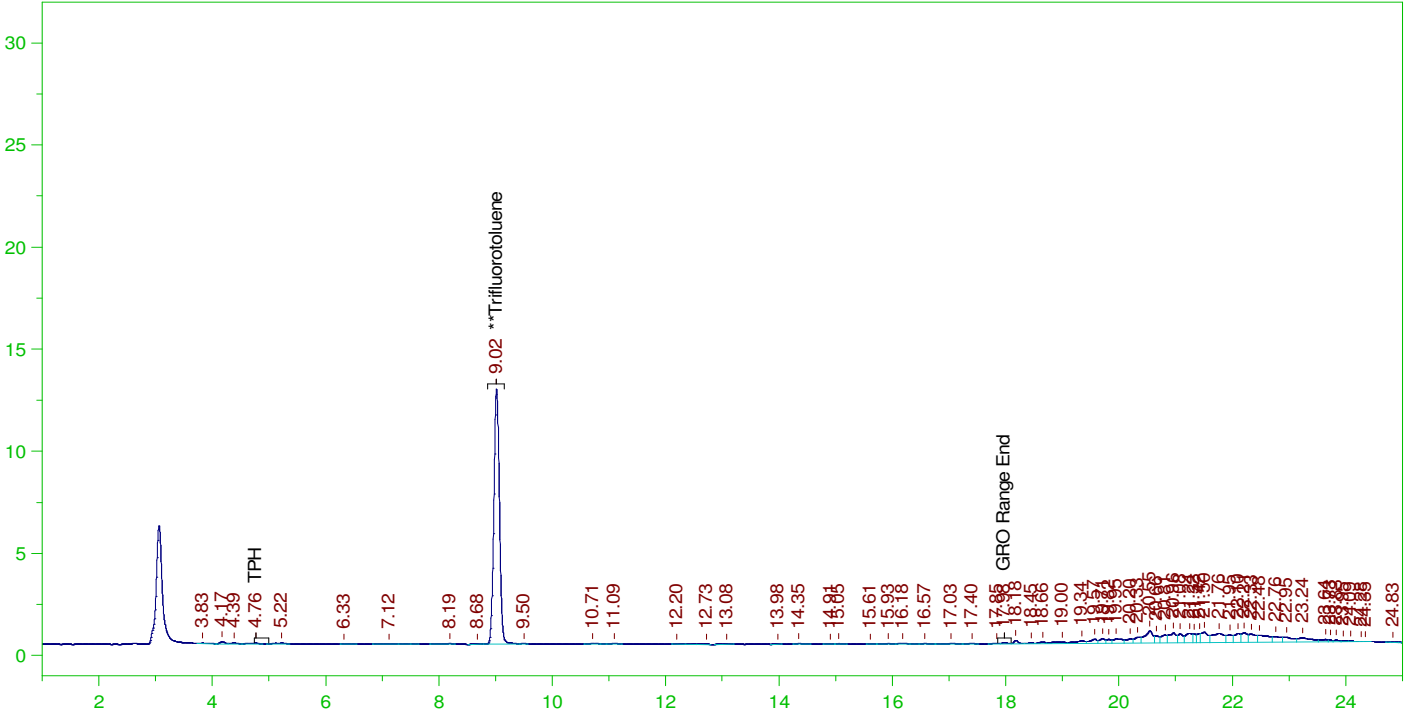
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.017	125.	82.372	65.9

C6 to C10 Area:4894.205 C6 to C10 Amount: 4.994194
 TPH Area:10735.89 TPH Amount: 11.23383

ERH2486 (RHMW254-01 Bailer)

G:\Org\VAR\DAT\VAR013022_b\0130VARB.0036.RAW

B22011592-027G ;0130VAR , \$HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22011592-027G ;0130VAR , \$HC-8015-GRO-W,
Raw File: G:\Org\VAR\DAT\VAR013022_b\0130VARB.0036.RAW
Date & Time Acquired: 1/31/2022 6:04:06 AM
Method File: G:\Org\VAR\Methods\211208G1592-27_DoDB%.MET
Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

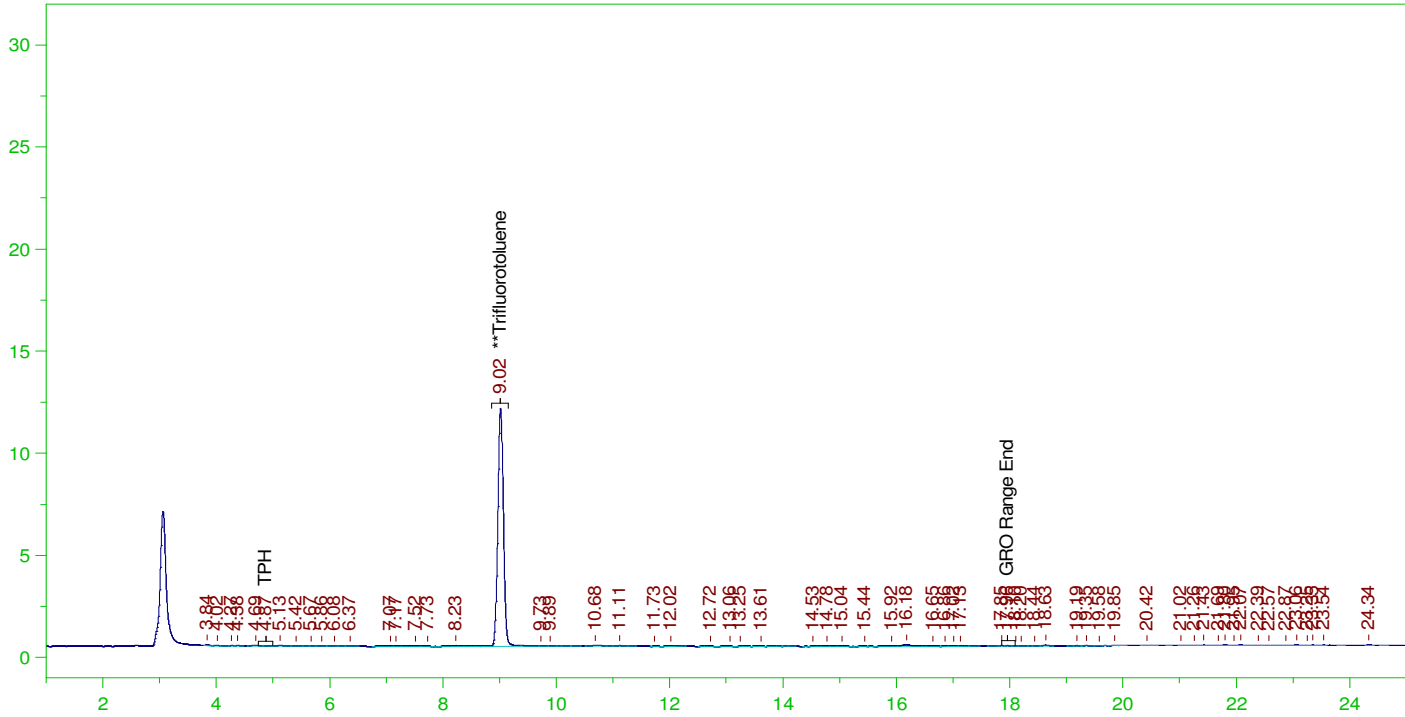
Mean RF for C6 to C10: 979.9788
Mean RF for TPH: 955.6747
Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.017	25.	18.482	73.93

C6 to C10 Area:5382.783 C6 to C10 Amount: 1.098551
TPH Area:89574.13 TPH Amount: 18.74574

G:\Org\VAR\DAT\VAR013022_b\0130VARB.0037.RAW

BLANK



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\VAR\DAT\VAR013022_b\0130VARB.0037.RAW
 Date & Time Acquired: 1/31/2022 6:38:17 AM
 Method File: G:\Org\VAR\Methods\211208GRO_DoDB.MET
 Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 979.9788
 Mean RF for TPH: 955.6747
 Rt range for Gasoline Range Organics: 4.75 to 18.09

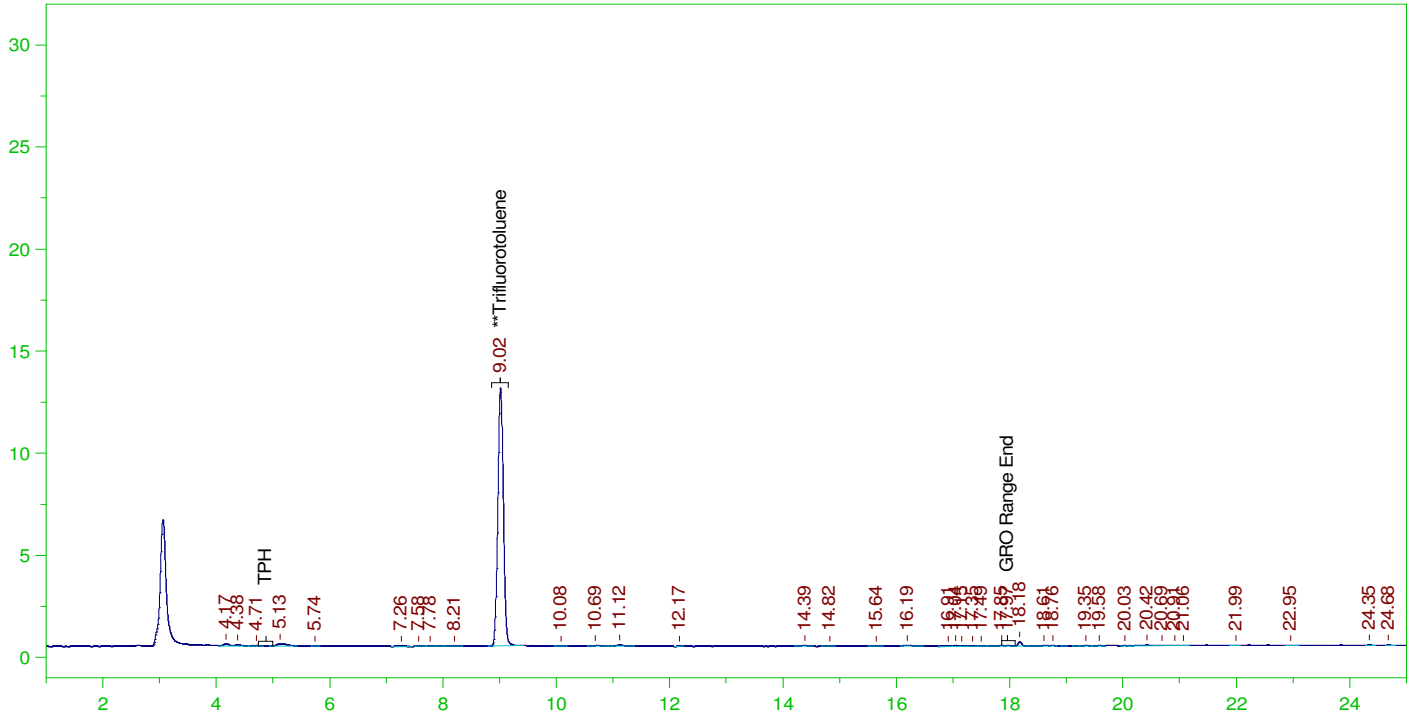
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.017	125.	86.511	69.21

C6 to C10 Area:6824.265 C6 to C10 Amount: 6.963686
 TPH Area:11138.64 TPH Amount: 11.65526

ERH2478 (RHMW19)

G:\Org\VAR\DAT\VAR013022_b\0130VARB.0038.RAW

B22011717-001G ;0130VAR , \$HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22011717-001G ;0130VAR , \$HC-8015-GRO-W,
Raw File: G:\Org\VAR\DAT\VAR013022_b\0130VARB.0038.RAW
Date & Time Acquired: 1/31/2022 7:12:24 AM
Method File: G:\Org\VAR\Methods\211208G1717-1DoDB%.MET
Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

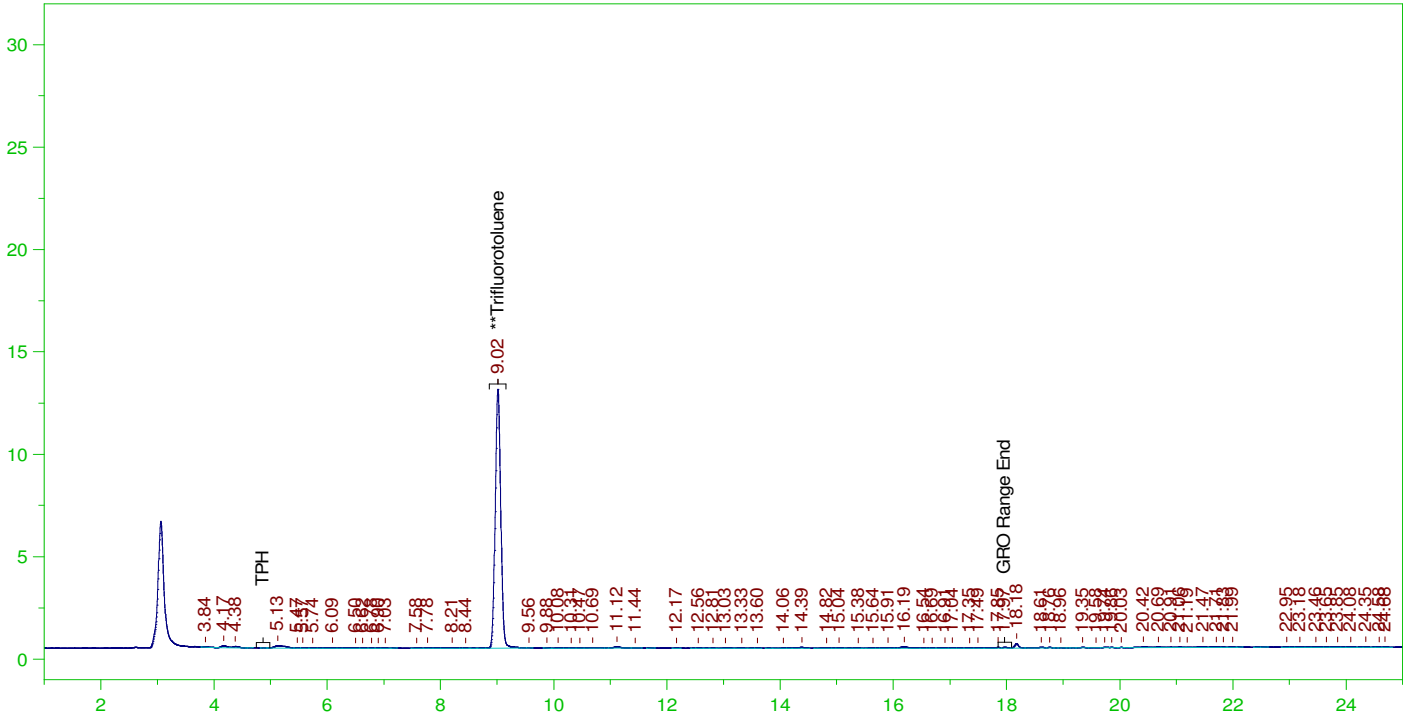
Mean RF for C6 to C10: 979.9788
Mean RF for TPH: 955.6747
Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.016	25.	18.684	74.74

C6 to C10 Area:5203.976 C6 to C10 Amount: 1.062059
TPH Area:9507.203 TPH Amount: 1.989632

G:\Org\VAR\DAT\VAR013022_b\0130VARB.0038.RAW

BLANK



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\VAR\DAT\VAR013022_b\0130VARB.0038.RAW
 Date & Time Acquired: 1/31/2022 7:12:24 AM
 Method File: G:\Org\VAR\Methods\211208GRO_DoDB.MET
 Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

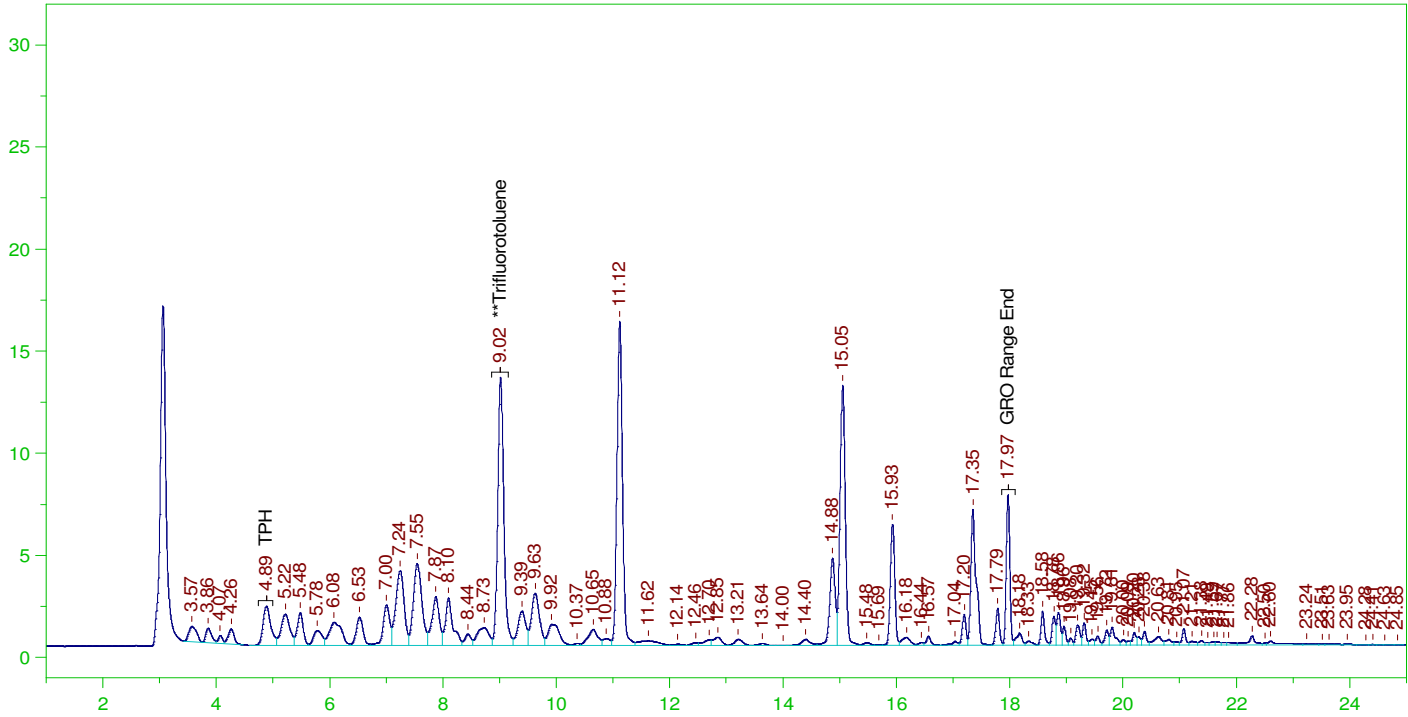
Mean RF for C6 to C10: 979.9788
 Mean RF for TPH: 955.6747
 Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.016	125.	93.803	75.04

C6 to C10 Area: 9197.565 C6 to C10 Amount: 9.385473
 TPH Area: 16070.9 TPH Amount: 16.81628

G:\Org\VAR\DAT\VAR013022_b\0130VARB.0040.RAW

B22011592-001GMS, GQC ;0130VAR , \$HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22011592-001GMS, GQC ;0130VAR , \$HC-8015-GRO-W,
Raw File: G:\Org\VAR\DAT\VAR013022_b\0130VARB.0040.RAW
Date & Time Acquired: 1/31/2022 8:20:46 AM
Method File: G:\Org\VAR\Methods\211208G1592-1MSDoDB%.MET
Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

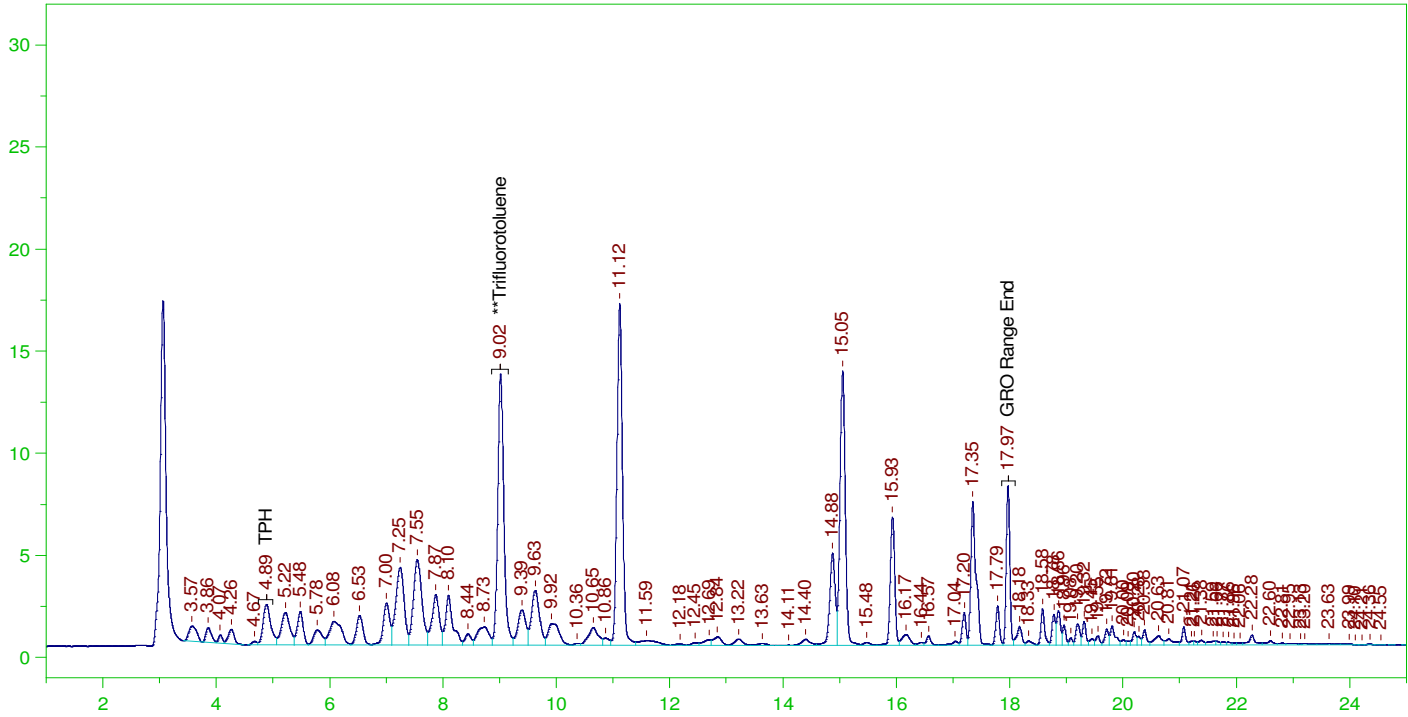
Mean RF for C6 to C10: 979.9788
Mean RF for TPH: 955.6747
Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.017	25.	21.147	84.59

C6 to C10 Area:694178.4 C6 to C10 Amount: 141.6721
TPH Area:812791.5 TPH Amount: 170.0979

G:\Org\VAR\DAT\VAR013022_b\0130VARB.0041.RAW

B22011592-001GMSD, GQC ;0130VAR , \$HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22011592-001GMSD, GQC ;0130VAR , \$HC-8015-GRO-W,
Raw File: G:\Org\VAR\DAT\VAR013022_b\0130VARB.0041.RAW
Date & Time Acquired: 1/31/2022 8:54:59 AM
Method File: G:\Org\VAR\Methods\211208G1592-1MSDDoDB%.MET
Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

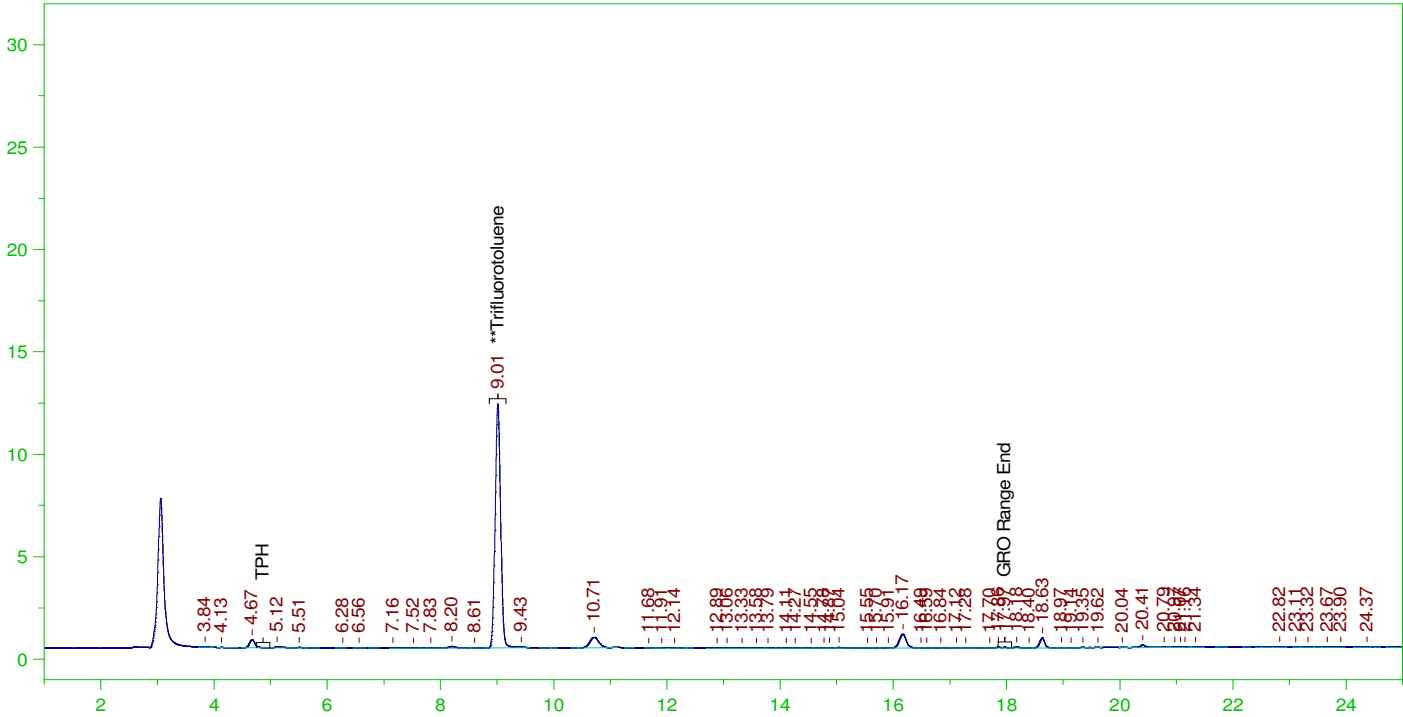
Mean RF for C6 to C10: 979.9788
Mean RF for TPH: 955.6747
Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.017	25.	21.45	85.8

C6 to C10 Area: 725226.4 C6 to C10 Amount: 148.0086
TPH Area: 850662.9 TPH Amount: 178.0235

G:\Org\VAR\DAT\VAR013022_b\0130VARB.0042.RAW

BLANK



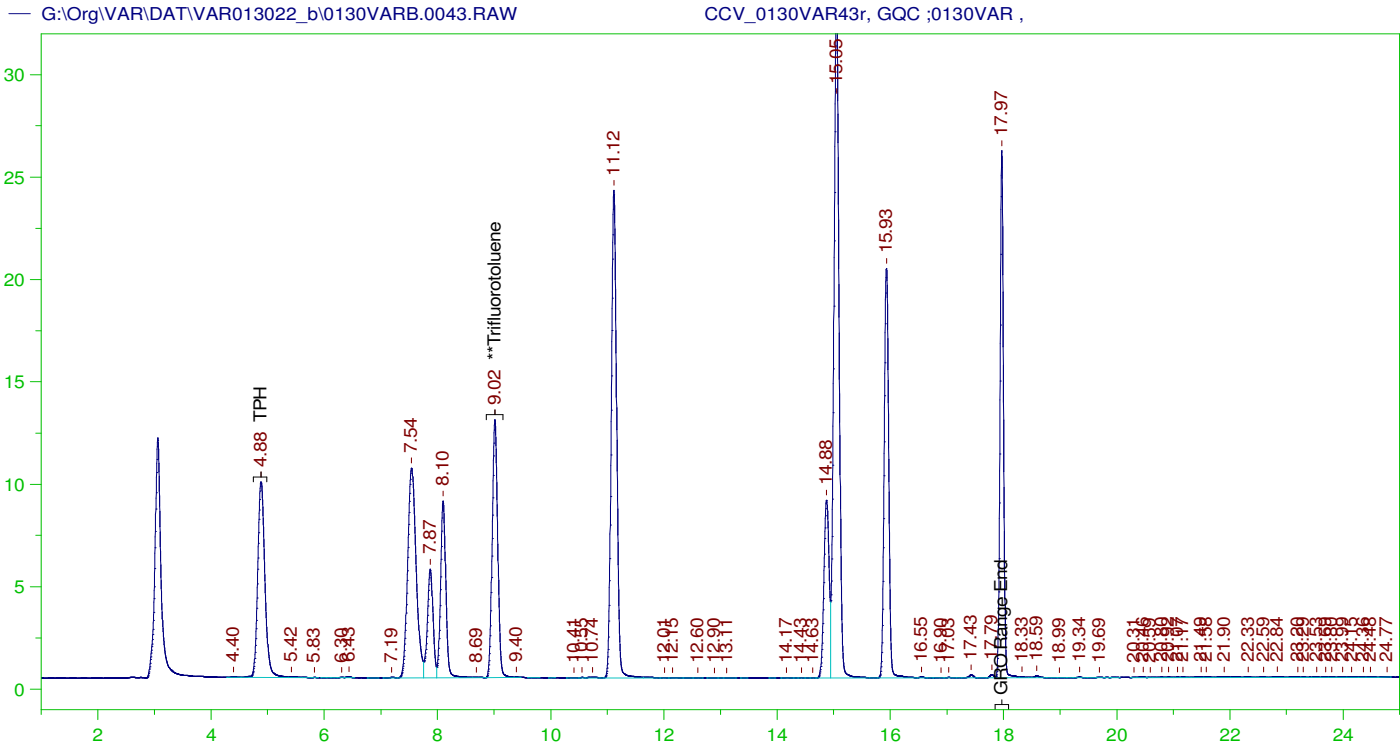
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\VAR\DAT\VAR013022_b\0130VARB.0042.RAW
 Date & Time Acquired: 1/31/2022 9:29:12 AM
 Method File: G:\Org\VAR\Methods\211208GRO_DoDB.MET
 Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 979.9788
 Mean RF for TPH: 955.6747
 Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.015	125.	88.31	70.65

C6 to C10 Area:17527.16 C6 to C10 Amount: 17.88524
 TPH Area:27140.95 TPH Amount: 28.39978



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_0130VAR43r, GQC ;0130VAR ,
Raw File: G:\Org\VAR\DAT\VAR013022_b\0130VARB.0043.RAW
Date & Time Acquired: 1/31/2022 10:03:18 AM
Method File: G:\Org\VAR\Methods\211208GRO_DoDB.MET
Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 979.9788
Mean RF for TPH: 955.6747
Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.015	125.	93.128	74.5

C6 to C10 Area:941732.7 C6 to C10 Amount: 960.9725
TPH Area:946158.1 TPH Amount: 990.042

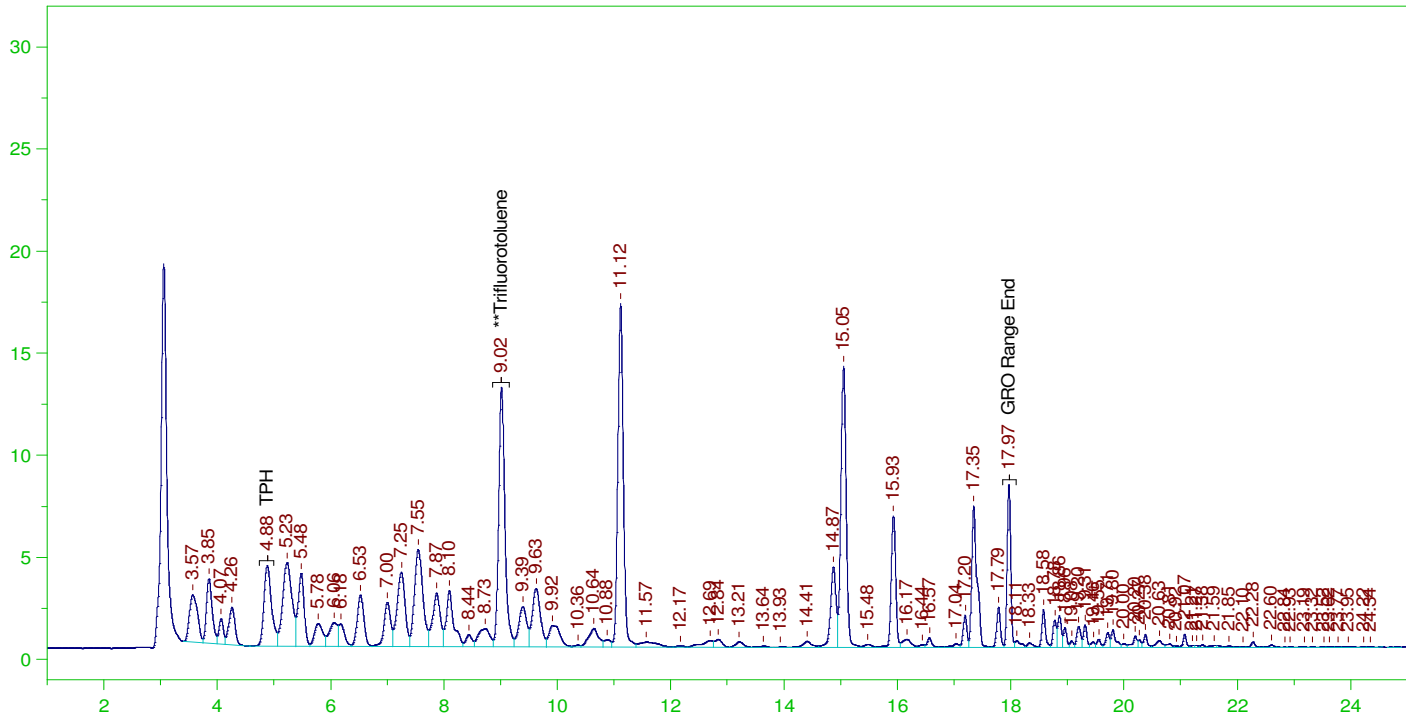
CONTINUING CALIBRATION REPORT: G:\Org\VAR\DAT\VAR013022_b\0130VARB.0043.RAW

COMPOUND	ACTUAL (NG)	MEASURED (NG)	%RECOVERY	LIMITS
C6 to C10	840.	960.97	114.4	85-115
TPH	1000.	990.04	99.	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	9.015	125.	93.128	74.5	85-115

G:\Org\VAR\DAT\VAR013022_b\0130VARB.0044.RAW

CCV_0130VAR44r, GQC ;0130VAR ,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_0130VAR44r, GQC ;0130VAR ,
Raw File: G:\Org\VAR\DAT\VAR013022_b\0130VARB.0044.RAW
Date & Time Acquired: 1/31/2022 10:37:22 AM
Method File: G:\Org\VAR\Methods\211208GCCV0130_44DoDB%.MET
Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 979.9788
Mean RF for TPH: 955.6747
Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	9.015	125.	105.809	84.65	-

C6 to C10 Area:821802.5 C6 to C10 Amount: 838.5921
TPH Area:967261.8 TPH Amount: 1012.125

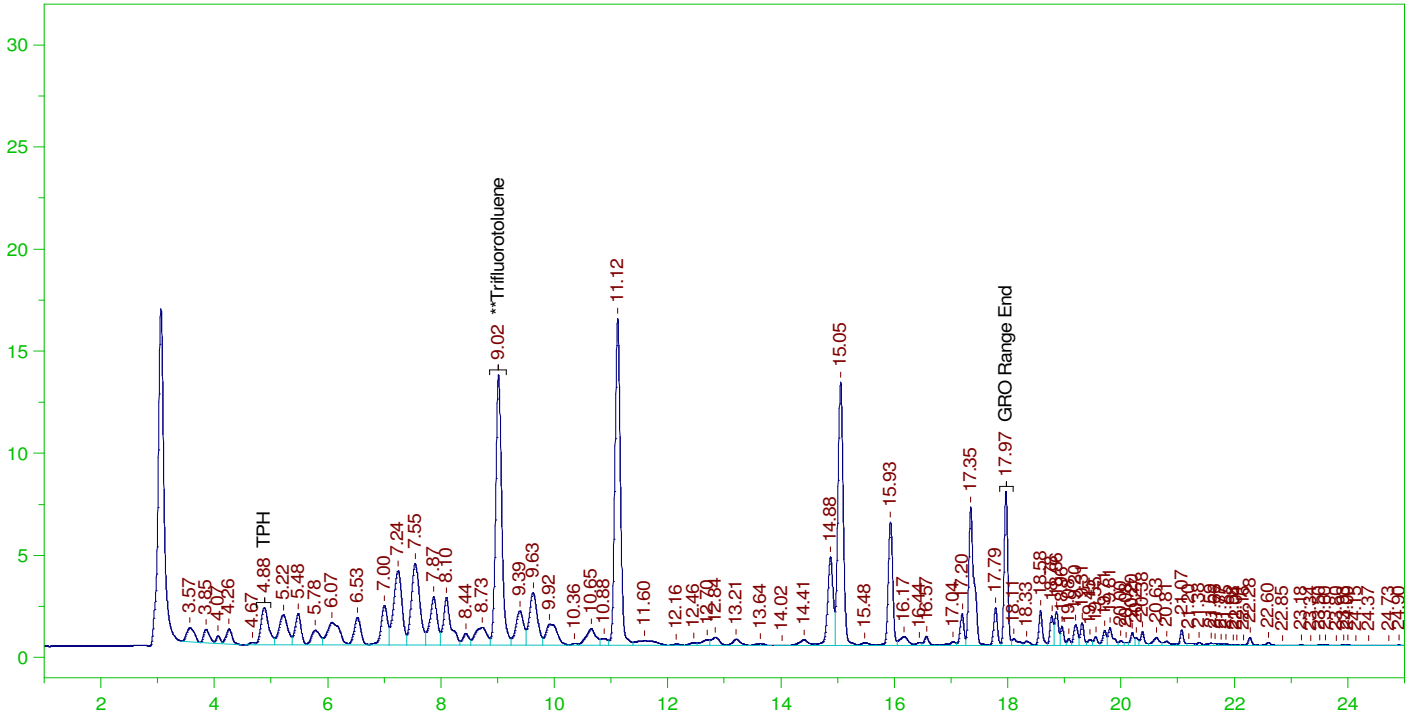
CONTINUING CALIBRATION REPORT: G:\Org\VAR\DAT\VAR013022_b\0130VARB.0044.RAW

COMPOUND	ACTUAL (NG)	MEASURED (NG)	%RECOVERY	LIMITS
C6 to C10	840.	838.59	99.83	85-115
TPH	1000.	1012.13	101.21	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	9.015	125.	105.809	84.65	85-115

G:\Org\VAR\DAT\VAR013022_b\0130VARB.0045.RAW

LCS_0130VAR45r, GQC ;0130VAR ,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: LCS_0130VAR45r, GQC ;0130VAR ,
Raw File: G:\Org\VAR\DAT\VAR013022_b\0130VARB.0045.RAW
Date & Time Acquired: 1/31/2022 11:11:27 AM
Method File: G:\Org\VAR\Methods\211208GLCS0130_45DoDB%.MET
Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

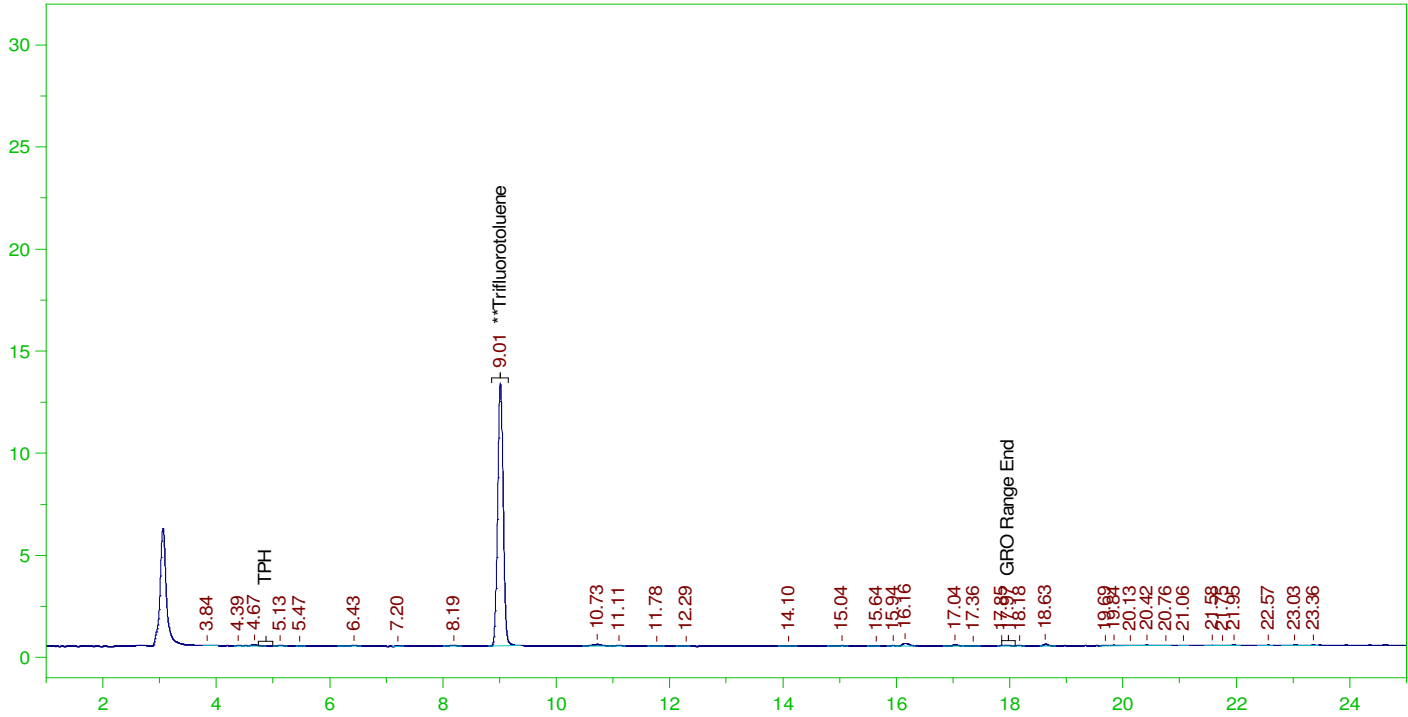
Mean RF for C6 to C10: 979.9788
Mean RF for TPH: 955.6747
Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.016	25.	21.264	85.05

C6 to C10 Area:695311.2 C6 to C10 Amount: 141.9033
TPH Area:795601.4 TPH Amount: 166.5005

G:\Org\VAR\DAT\VAR013022_b\0130VARB.0046.RAW

MBLK_0130VAR46r, QC ;0130VAR ,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: MBLK_0130VAR46r, QC ;0130VAR ,
Raw File: G:\Org\VAR\DAT\VAR013022_b\0130VARB.0046.RAW
Date & Time Acquired: 1/31/2022 11:45:34 AM
Method File: G:\Org\VAR\Methods\211208GMB0130_46DoDB%.MET
Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 979.9788
Mean RF for TPH: 955.6747
Rt range for Gasoline Range Organics: 4.75 to 18.09

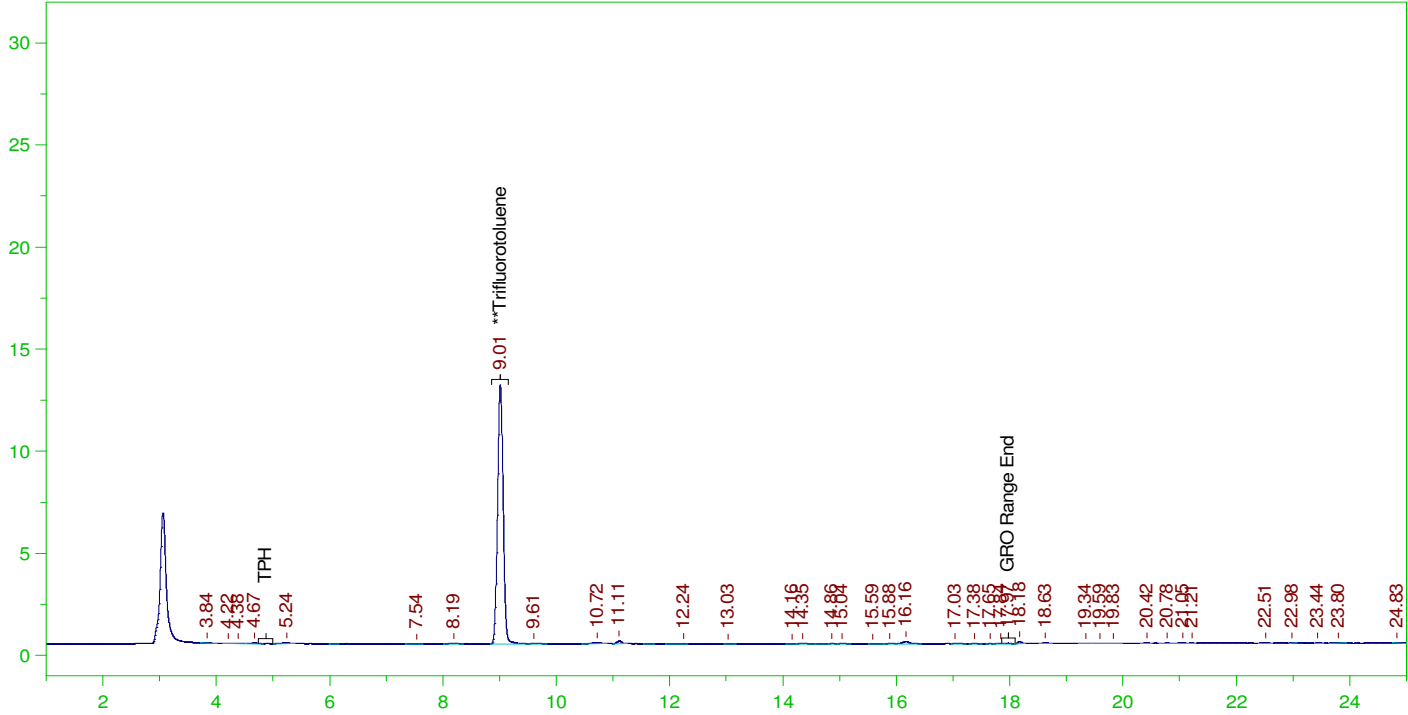
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.013	25.	19.01	76.04

C6 to C10 Area:5150.83 C6 to C10 Amount: 1.051212
TPH Area:8063.358 TPH Amount: 1.687469

ERH2499 (Trip Blank)-14694

G:\Org\VAR\DAT\VAR013022_b\0130VARB.0047.RAW

B22011901-002A ;0130VAR , \$HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22011901-002A ;0130VAR , \$HC-8015-GRO-W,
Raw File: G:\Org\VAR\DAT\VAR013022_b\0130VARB.0047.RAW
Date & Time Acquired: 1/31/2022 12:19:44 PM
Method File: G:\Org\VAR\Methods\211208G1901-2DoDB%.MET
Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 979.9788
Mean RF for TPH: 955.6747
Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.012	25.	18.875	75.5

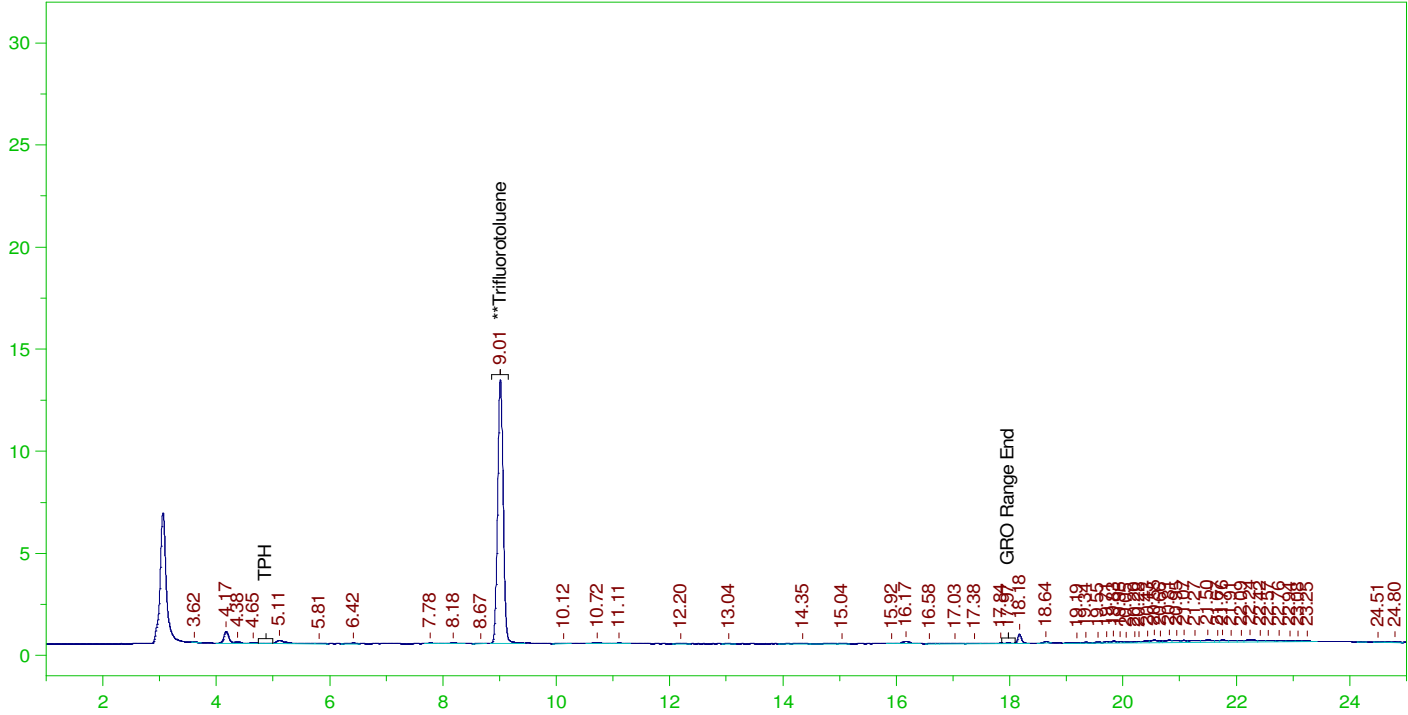
C6 to C10 Area:5896.401 C6 to C10 Amount: 1.203373
TPH Area:9185.123 TPH Amount: 1.922228



ERH2500 (RHMW2254-01)

G:\Org\VAR\DAT\VAR013022_b\0130VARB.0048.RAW

B22011901-001B ;0130VAR , \$HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22011901-001B ;0130VAR , \$HC-8015-GRO-W,
 Raw File: G:\Org\VAR\DAT\VAR013022_b\0130VARB.0048.RAW
 Date & Time Acquired: 1/31/2022 12:53:52 PM
 Method File: G:\Org\VAR\Methods\211208G1901-1DoDB%.MET
 Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
 Sample Weight: 5 Dilution: 1 S.A.: 1

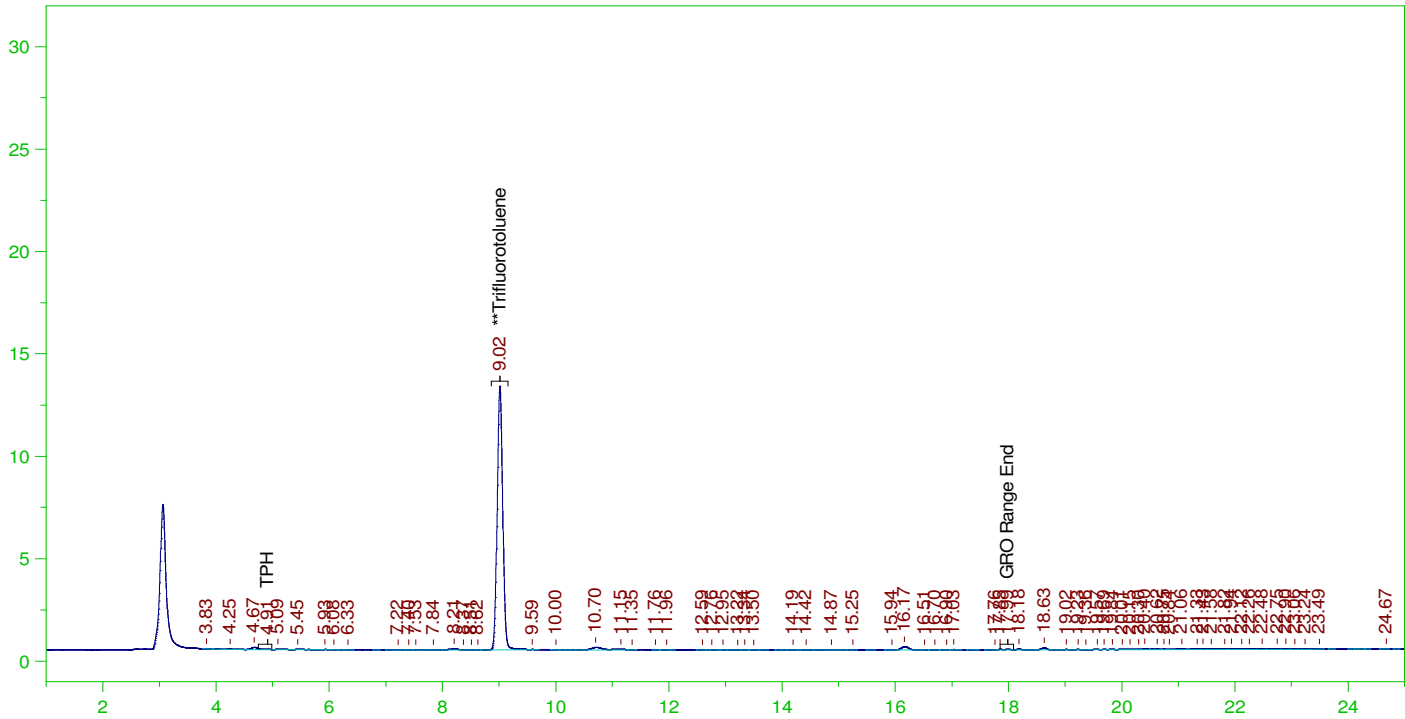
Mean RF for C6 to C10: 979.9788
 Mean RF for TPH: 955.6747
 Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.013	25.	19.168	76.67

C6 to C10 Area:6697.339 C6 to C10 Amount: 1.366833
 TPH Area:31324.49 TPH Amount: 6.555471

G:\Org\VAR\DAT\VAR013022_b\0130VARB.0049.RAW

BLANK



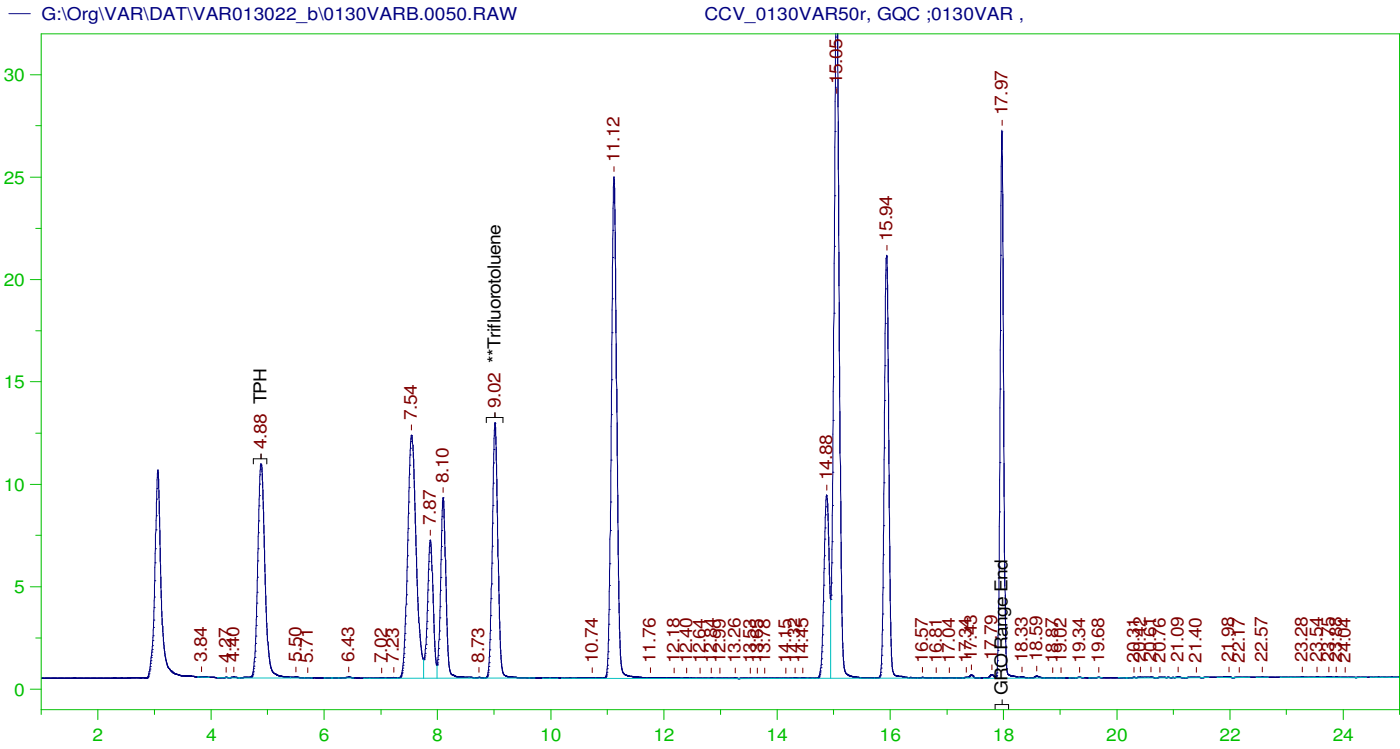
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\VAR\DAT\VAR013022_b\0130VARB.0049.RAW
 Date & Time Acquired: 1/31/2022 1:28:05 PM
 Method File: G:\Org\VAR\Methods\211208GRO_DoDB.MET
 Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 979.9788
 Mean RF for TPH: 955.6747
 Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.016	125.	95.831	76.67

C6 to C10 Area:8365.975 C6 to C10 Amount: 8.536893
 TPH Area:15150.53 TPH Amount: 15.85322



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_0130VAR50r, GQC ;0130VAR ,
Raw File: G:\Org\VAR\DAT\VAR013022_b\0130VARB.0050.RAW
Date & Time Acquired: 1/31/2022 2:02:11 PM
Method File: G:\Org\VAR\Methods\211208GRO_DoDB.MET
Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 979.9788
Mean RF for TPH: 955.6747
Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.017	125.	92.87	74.3

C6 to C10 Area:998963.4 C6 to C10 Amount: 1019.372
TPH Area:1003050 TPH Amount: 1049.572

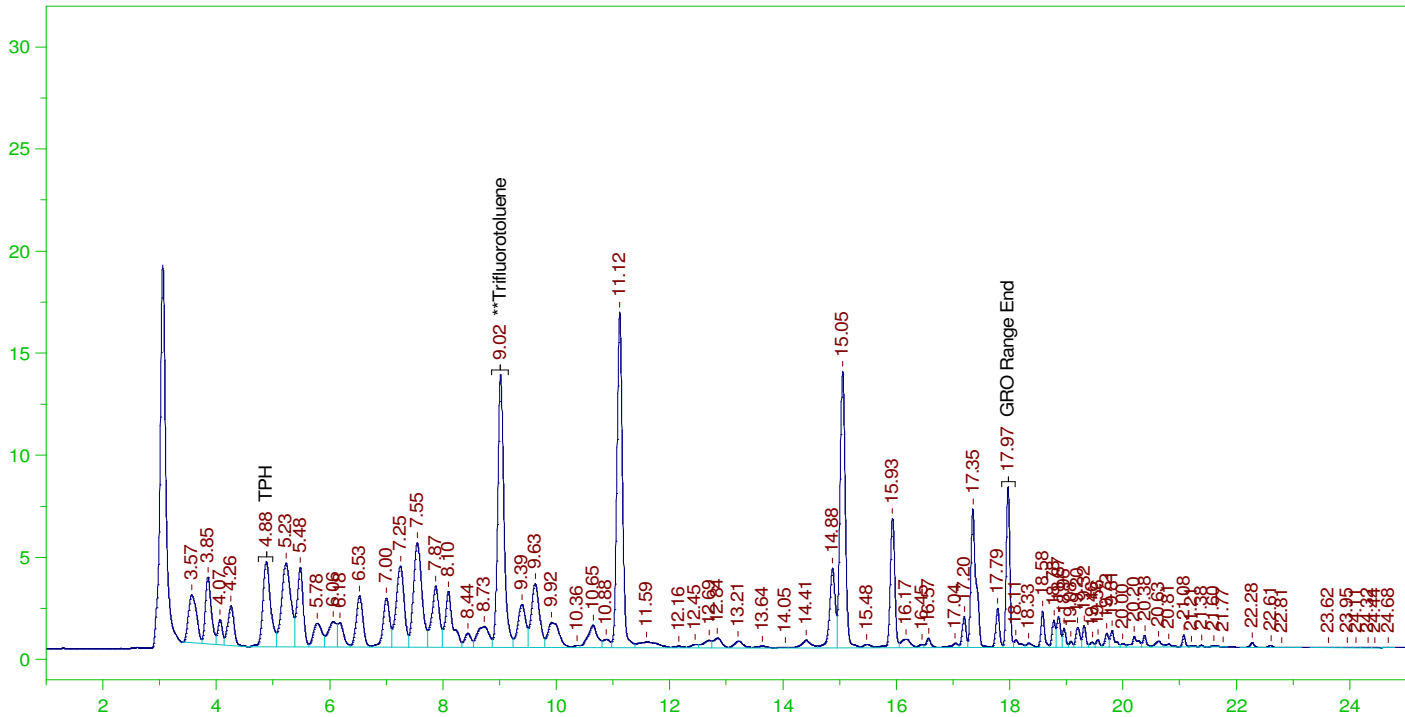
CONTINUING CALIBRATION REPORT: G:\Org\VAR\DAT\VAR013022_b\0130VARB.0050.RAW

COMPOUND	ACTUAL (NG)	MEASURED (NG)	%RECOVERY	LIMITS
C6 to C10	840.	1019.37	121.35	85-115
TPH	1000.	1049.57	104.96	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	9.017	125.	92.87	74.3	85-115

G:\Org\VAR\DAT\VAR013022_b\0130VARB.0051.RAW

CCV_0130VAR51r, GQC ;0130VAR ,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_0130VAR51r, GQC ;0130VAR ,
Raw File: G:\Org\VAR\DAT\VAR013022_b\0130VARB.0051.RAW
Date & Time Acquired: 1/31/2022 2:36:18 PM
Method File: G:\Org\VAR\Methods\211208GRO_DoDB%.MET
Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 979.9788
Mean RF for TPH: 955.6747
Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	9.017	125.	110.423	88.34	-

C6 to C10 Area:844535.9 C6 to C10 Amount: 861.7899
TPH Area:982475.9 TPH Amount: 1028.044

CONTINUING CALIBRATION REPORT: G:\Org\VAR\DAT\VAR013022_b\0130VARB.0051.RAW

COMPOUND	ACTUAL (NG)	MEASURED (NG)	%RECOVERY	LIMITS
C6 to C10	840.	861.79	102.59	85-115
TPH	1000.	1028.04	102.8	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	9.017	125.	110.423	88.34	85-115

Write Sequence	Insert Entries(Have the first cell for entries selecte	Method	Weight	Dil Factor	Amt Inj.	IS	Cal ID	Manual Integrations
Data File	Sample Name							
G:\Org\VAR\DAT\VAR013022_b\0130VAR.02r	BLANK	G:\Org\VAR\Methods\21120	1	1	1	1	0	None
G:\Org\VAR\DAT\VAR013022_b\0130VAR.03r	BLANK	G:\Org\VAR\Methods\21120	1	1	1	1	0	None
G:\Org\VAR\DAT\VAR013022_b\0130VAR.04r	BLANK	G:\Org\VAR\Methods\21120	1	1	1	1	0	None
G:\Org\VAR\DAT\VAR013022_b\0130VAR.05r	CCV_0130VAR05r, GQC ;0130VAR ,	G:\Org\VAR\Methods\21120	1	1	1	1	0	None
G:\Org\VAR\DAT\VAR013022_b\0130VAR.06r	CCV_0130VAR06r, GQC ;0130VAR ,	G:\Org\VAR\Methods\21120	1	1	1	1	0	None
G:\Org\VAR\DAT\VAR013022_b\0130VAR.07r	LCS_0130VAR07r, GQC ;0130VAR ,	G:\Org\VAR\Methods\21120	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\VAR\DAT\VAR013022_b\0130VAR.08r	MBLK_0130VAR08r, QC ;0130VAR ,	G:\Org\VAR\Methods\21120	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\VAR\DAT\VAR013022_b\0130VAR.09r	BLANK	G:\Org\VAR\Methods\21120	1	1	1	1	0	None
G:\Org\VAR\DAT\VAR013022_b\0130VAR.10r	BLANK	G:\Org\VAR\Methods\21120	1	1	1	1	0	None
G:\Org\VAR\DAT\VAR013022_b\0130VAR.11r	B22011446-028A ;0130VAR , \$HC-8015-GRO-W,	G:\Org\VAR\Methods\21120	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\VAR\DAT\VAR013022_b\0130VAR.12r	B22011592-003A ;0130VAR , \$HC-8015-GRO-W,	G:\Org\VAR\Methods\21120	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\VAR\DAT\VAR013022_b\0130VAR.13r	B22011592-009A ;0130VAR , \$HC-8015-GRO-W,	G:\Org\VAR\Methods\21120	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\VAR\DAT\VAR013022_b\0130VAR.14r	B22011592-014A ;0130VAR , \$HC-8015-GRO-W,	G:\Org\VAR\Methods\21120	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\VAR\DAT\VAR013022_b\0130VAR.15r	B22011592-019A ;0130VAR , \$HC-8015-GRO-W,	G:\Org\VAR\Methods\21120	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\VAR\DAT\VAR013022_b\0130VAR.16r	B22011592-024A ;0130VAR , \$HC-8015-GRO-W,	G:\Org\VAR\Methods\21120	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons

G:\Org\VAR\DAT\VAR013022_b\0130VAR.17r	B22011592-029A ;0130VAR , \$HC-8015-GRO-W,	G:\Org\VAR\Methods\21120	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\VAR\DAT\VAR013022_b\0130VAR.18r	B22011717-003A ;0130VAR , \$HC-8015-GRO-W,	G:\Org\VAR\Methods\21120	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\VAR\DAT\VAR013022_b\0130VAR.19r	B22011592-001G ;0130VAR , \$HC-8015-GRO-W,	G:\Org\VAR\Methods\21120	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\VAR\DAT\VAR013022_b\0130VAR.20r	BLANK	G:\Org\VAR\Methods\21120	1	1	1	1	0	None
G:\Org\VAR\DAT\VAR013022_b\0130VAR.21r	B22011592-006G ;0130VAR , \$HC-8015-GRO-W,	G:\Org\VAR\Methods\21120	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\VAR\DAT\VAR013022_b\0130VAR.22r	BLANK	G:\Org\VAR\Methods\21120	1	1	1	1	0	None
G:\Org\VAR\DAT\VAR013022_b\0130VAR.23r	CCV_0130VAR23r, GQC ;0130VAR ,	G:\Org\VAR\Methods\21120	1	1	1	1	0	None
G:\Org\VAR\DAT\VAR013022_b\0130VAR.24r	CCV_0130VAR24r, GQC ;0130VAR ,	G:\Org\VAR\Methods\21120	1	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\VAR\DAT\VAR013022_b\0130VAR.25r	LCS_0130VAR25r, GQC ;0130VAR ,	G:\Org\VAR\Methods\21120	5	1	1	1	0	None
G:\Org\VAR\DAT\VAR013022_b\0130VAR.26r	MBLK_0130VAR26r, QC ;0130VAR ,	G:\Org\VAR\Methods\21120	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\VAR\DAT\VAR013022_b\0130VAR.27r	B22011592-007D ;0130VAR , \$HC-8015-GRO-W,	G:\Org\VAR\Methods\21120	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\VAR\DAT\VAR013022_b\0130VAR.28r	BLANK	G:\Org\VAR\Methods\21120	1	1	1	1	0	None
G:\Org\VAR\DAT\VAR013022_b\0130VAR.29r	B22011592-012G ;0130VAR , \$HC-8015-GRO-W,	G:\Org\VAR\Methods\21120	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\VAR\DAT\VAR013022_b\0130VAR.30r	BLANK	G:\Org\VAR\Methods\21120	1	1	1	1	0	None
G:\Org\VAR\DAT\VAR013022_b\0130VAR.31r	B22011592-017G ;0130VAR , \$HC-8015-GRO-W,	G:\Org\VAR\Methods\21120	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\VAR\DAT\VAR013022_b\0130VAR.32r	BLANK	G:\Org\VAR\Methods\21120	1	1	1	1	0	None
G:\Org\VAR\DAT\VAR013022_b\0130VAR.33r	BLANK	G:\Org\VAR\Methods\21120	1	1	1	1	0	None

G:\Org\VAR\DAT\VAR013022_b\0130VAR.34r	B22011592-022G ;0130VAR , \$HC-8015-GRO-W,	G:\Org\VAR\Methods\21120	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\VAR\DAT\VAR013022_b\0130VAR.35r	BLANK	G:\Org\VAR\Methods\21120	1	1	1	1	0	None
G:\Org\VAR\DAT\VAR013022_b\0130VAR.36r	B22011592-027G ;0130VAR , \$HC-8015-GRO-W,	G:\Org\VAR\Methods\21120	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\VAR\DAT\VAR013022_b\0130VAR.37r	BLANK	G:\Org\VAR\Methods\21120	1	1	1	1	0	None
G:\Org\VAR\DAT\VAR013022_b\0130VAR.38r	B22011717-001G ;0130VAR , \$HC-8015-GRO-W,	G:\Org\VAR\Methods\21120	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\VAR\DAT\VAR013022_b\0130VAR.39r	BLANK	G:\Org\VAR\Methods\21120	1	1	1	1	0	None
G:\Org\VAR\DAT\VAR013022_b\0130VAR.40r	B22011592-001GMS, GQC ;0130VAR , \$HC-8015-GRO-W,	G:\Org\VAR\Methods\21120	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\VAR\DAT\VAR013022_b\0130VAR.41r	B22011592-001GMSD, GQC ;0130VAR , \$HC-8015-GRO-W,	G:\Org\VAR\Methods\21120	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\VAR\DAT\VAR013022_b\0130VAR.42r	BLANK	G:\Org\VAR\Methods\21120	1	1	1	1	0	None
G:\Org\VAR\DAT\VAR013022_b\0130VAR.43r	CCV_0130VAR43r, GQC ;0130VAR ,	G:\Org\VAR\Methods\21120	1	1	1	1	0	None
G:\Org\VAR\DAT\VAR013022_b\0130VAR.44r	CCV_0130VAR44r, GQC ;0130VAR ,	G:\Org\VAR\Methods\21120	1	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\VAR\DAT\VAR013022_b\0130VAR.45r	LCS_0130VAR45r, GQC ;0130VAR ,	G:\Org\VAR\Methods\21120	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\VAR\DAT\VAR013022_b\0130VAR.46r	MBLK_0130VAR46r, QC ;0130VAR ,	G:\Org\VAR\Methods\21120	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\VAR\DAT\VAR013022_b\0130VAR.47r	B22011901-002A ;0130VAR , \$HC-8015-GRO-W,	G:\Org\VAR\Methods\21120	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons

G:\Org\VAR\DAT\VAR013022_b\0130VAR.48r	B22011901-001B ;0130VAR , \$HC-8015-GRO-W,	G:\Org\VAR\Methods\21120	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\VAR\DAT\VAR013022_b\0130VAR.49r	BLANK	G:\Org\VAR\Methods\21120	1	1	1	1	0	None
G:\Org\VAR\DAT\VAR013022_b\0130VAR.50r	CCV_0130VAR50r, GQC ;0130VAR ,	G:\Org\VAR\Methods\21120	1	1	1	1	0	None
G:\Org\VAR\DAT\VAR013022_b\0130VAR.51r	CCV_0130VAR51r, GQC ;0130VAR ,	G:\Org\VAR\Methods\21120	1	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons

Josie M Pickard
Chemist

Digitally signed by
Josie Pickard
Date: 2022.02.19 09:19:46 -07:00

Energy Laboratories Inc

Standard LOG

Standard ID: GASL211208
Standard Name: Low Gasoline Std. Type: Secondary
Date Prepared: 12/8/2021 BY: Josie Pickard
Date Expires: 6/7/2023
Department: GCVOA Status: Open
Vendor:
Lot Number:
Balance ID:
Comments: concentration 0.42ug/ul

Chemical / Solvent Used	BottleNo	Amt	Units	Exp
Methanol, Purge and Trap EB199	14400	0.9	mL	3/20/

Final Volume: 1 mL

Stock Source
GAS210122 Unleaded Gasoline Comp. Std.(2.0uL)

Base Units
ug/mL

Amount Added
0.1 mL

Analtes

CAS

Conc: **ug/mL**

Energy Laboratories Inc

Standard LOG

Standard ID: GAS210122
Standard Name: Unleaded Gasoline Comp. Std.(2.0uL) Type: Secondary
Date Prepared: 1/22/2021 BY: Josie Pickard
Date Expires: 6/7/2023
Department: GCVOA Status: New
Vendor:
Lot Number:
Balance ID:
Comments: Concentration : 4.2ug/ul

Chemical / Solvent Used	BottleNo	Amt	Units	Exp
Methanol, Purge and Trap DZ880	13323	10	mL	9/18/

Final Volume: 10 mL

<u>Stock Source</u>		Base Units	Amount Added
GASH210122	Unleaded Gasoline Composite	ug/mL	0.84 mL
<u>Analtes</u>		CAS	Conc: ug/mL

Energy Laboratories Inc

Standard LOG

Standard ID: GASH210122
Standard Name: Unleaded Gasoline Composite
Date Prepared: 1/22/2021
Date Expires: 6/7/2023
Department: GCVOA
Vendor:
Lot Number:
Balance ID:
Comments: Concentration : 50,000 ug/ml

Type: Primary
BY: Josie Pickard
Status: New

Chemical / Solvent Used	BottleNo	Amt	Units	Exp
Methanol, Purge and Trap DZ880	13323	10	mL	9/18/

Final Volume: 10 mL

Stock Source
3GAS160127 Alaska Gasoline Calibration Mix Versio

Base Units
ug/mL

Amount Added
0.5022 g

Analvtes

CAS

Conc: **ug/mL**

Energy Laboratories Inc

Standard LOG

Standard ID: 3GAS160127
Standard Name: Alaska Gasoline Calibration Mix Version 4/8/0
Date Prepared: 1/27/2016
Date Expires: 6/7/2023
Department: GCVOA
Vendor: Accustandard
Lot Number: 213051468
Balance ID:

Type: Neat
BY: Josie Pickard
Status: New

Comments: 33% of each gasoline Date prepared is date received Assay ran 2/1/16 on PE1; GRO equals 84% of TPH jmp 2/1/16

Chemical / Solvent Used	BottleNo	Amt	Units	Exp
Alaska Gasoline Calibration Mix Versio	8120	5	mL	6/7/2023

Final Volume: 5 mL

Stock Source

Base Units

Amount Added

Analtes

CAS

Conc: **ug/mL**

125 Market Street
New Haven, CT 06513
USA



AccuStandard® Inc.

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www.AccuStandard.com

CERTIFICATE OF ANALYSIS

Catalog No: GRO-AK-101-GCS-R1
Description: Alaska Gasoline Calibration Mix Version 4/8/02
Lot: 213051468
Solvent: N/A
Hazards: **HIGHLY FLAMMABLE** - Refer to SDS for safety info

Date Certified: Jun 7, 2013
Expiration: Jun 7, 2023
Sample Size: 1 mL
Components: 3
Storage Condition: Ambient (>5 °C)

Included on ISO/IEC 17025 Scope of Accreditation: Yes
Included on ISO Guide 34 Scope of Accreditation: Yes



Danger 2

Component	CAS #	Purity % (GC/FID)	Prepared Concentration* (%w/w)	Certified Analyte Concentration* (%w/w)
Gasoline - Regular, unleaded	8006-61-9	Tech Mix	33.30	33.30
Gasoline - Plus, unleaded	8006-61-9	Tech Mix	33.40	33.40
Gasoline - Premium, unleaded	8006-61-9	Tech Mix	33.30	33.30

ID #: 8120

Opened:

Alaska Gasoline Calibration Mix Version 4/8/02

Expires: 6/7/2023

Rec'd 1/27/2016

Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

* All weights are traceable through NIST, Test No. 822-275872-11

† Certified Analyte Concentration = Purity x Prepared Concentration. The uncertainty associated with the gravimetric values reported on this certificate is ±0.24%. The CRM Uncertainty calculated for this product is ±5%. These values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Labels and certificates follow U.S. Conventions in reporting numerical values:

A comma (,) is used to separate units of one-thousand or greater.

A period (.) is used as a decimal place marker.

See reverse side for additional information.

Certified by:

Larry Decker, Organic QC Manager

Page 1 of 1

For use in routine laboratory analysis.

AccuStandard is accredited to ISO Guide 34, ISO/IEC 17025 and certified to ISO 9001

OR DR0100-001
Rev. 01/11

Energy Laboratories Inc

Standard LOG

Standard ID: TFTL211208
Standard Name: TFTL
Date Prepared: 12/8/2021
Date Expires: 9/10/2029
Department: GCVOA
Vendor:
Lot Number:
Balance ID:
Comments: Final concentration :0.01mg/mL

Type: Secondary
BY: Josie Pickard
Status: New

Chemical / Solvent Used	BottleNo	Amt	Units	Exp
Methanol, Purge and Trap EB199	14400	0.9	mL	3/20/

Final Volume: 1 mL

Stock Source

TFTM211208 TFTM

Base Units

ug/mL

Amount Added

0.1 mL

Analtes

CAS

Conc: ug/mL

Energy Laboratories Inc

Standard LOG

Standard ID: TFTM211208
Standard Name: TFTM
Date Prepared: 12/8/2021
Date Expires: 9/10/2029
Department: GCVOA
Vendor:
Lot Number:
Balance ID:
Comments: Final concentration :0.1mg/mL

Type: Secondary
BY: Josie Pickard
Status: New

Chemical / Solvent Used	BottleNo	Amt	Units	Exp
Methanol, Purge and Trap EB199	14400	0.9	mL	3/20/

Final Volume: 1 mL

<u>Stock Source</u>		Base Units	Amount Added
TFT211208	TFT (1.05uL)	ug/mL	0.1 mL
<u>Analtes</u>		CAS	Conc: ug/mL

Energy Laboratories Inc

Standard LOG

Standard ID: TFT211208
Standard Name: TFT (1.05uL) Type: Secondary
Date Prepared: 12/8/2021 BY: Josie Pickard
Date Expires: 9/10/2029
Department: GCVOA Status: New
Vendor:
Lot Number:
Balance ID:
Comments: Final concentration : 1.0mg/mL

Chemical / Solvent Used	BottleNo	Amt	Units	Exp
Methanol, Purge and Trap EB199	14400	1.9	mL	3/20/

Final Volume: 2 mL

Stock Source

TFTS210607 TFT Stock

Base Units

ug/mL

Amount Added

0.1 mL

Analtes

CAS

Conc: ug/mL

Energy Laboratories Inc

Standard LOG

Standard ID: TFTS210607
Standard Name: TFT Stock
Date Prepared: 6/7/2021
Date Expires: 9/10/2029
Department: GCVOA
Vendor: Accustandard
Lot Number: 219091095
Balance ID:
Type: Primary
BY: Josie Pickard
Status: New
Comments: 20mg/ml in Meoh Date prepared is date received.

Chemical / Solvent Used	BottleNo	Amt	Units	Exp
a,a,a-Trifluorotoluene	13921	10	mL	9/10/

Final Volume: 10 mL

Stock Source

Base Units

Amount Added

Analvtes

CAS

Conc: **ug/mL**

CERTIFICATE OF ANALYSIS

Catalog No: M-602-SS-100X
Description: a,a,a-Trifluorotoluene
Lot: 219091095

Solvent: Methanol

Hazards: Refer to SDS for complete safety information

Date Certified: Sep 10, 2019
Expiration: Sep 10, 2029
Sample Size: 1 mL
Components: 1
Storage Condition: Ambient (>5 °C)



Signal Word: Danger

Certified Reference Material



Component	CAS #	Purity % (GC/MS)	Prepared Concentration ² (mg/mL)	Certified Analyte Concentration ¹ (mg/mL)
a,a,a-Trifluorotoluene	98-08-8	99.9	20.01	19.99

ID #: 13921

Opened: _____

a,a,a-Trifluorotoluene

Expires: 9/10/2029

Rec'd: 6/7/2021

Enerav Laboratories Inc 1120 So. 27th Street
Billings MT 59107

A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

² All weights are traceable through NIST, Test No. 684/289871-17

¹ Certified Analyte Concentration = Purity x Prepared Concentration.

The Uncertainty associated with the certified concentration reported on this certificate is $\pm 2.4\%$. This value is the combined expanded uncertainty and represents an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Labels and certificates follow U.S. Conventions in reporting numerical values: A comma (,) is used to separate units of one-thousand or greater. A period (.) is used as a decimal place marker.

The information on this certificate may not be reproduced without the express permission of the manufacturer. See reverse side for additional information

Hazard Information: Please refer to the SDS for information regarding the hazards associated with using this material.

This product was prepared according to in-house procedures and is guaranteed to be homogeneous.

Certified By: _____

Larry Decker, Organic QC Manager

Energy Laboratories Inc

Standard LOG

Standard ID: GQC201214
Standard Name: Gasoline Composite Mix (1.68uL) Type: Primary
Date Prepared: 12/14/2020 BY: Josie Pickard
Date Expires: 4/2/2030
Department: GCVOA Status: New
Vendor: Accustandard
Lot Number: 220031562
Balance ID:

Comments: 5000 ug/mL in MeOH Date prepared is date received; Assay run 4/1/21 on Pe1 GRO range equals 85% jmp, mistyped the date received. The date received was 12/17/20 jmp

Chemical / Solvent Used	BottleNo	Amt	Units	Exp
Gasoline Composite Mix	13338	5	mL	4/2/2

Final Volume: 5 mL

Stock Source

Base Units

Amount Added

Analvtes

CAS

Conc: **ug/mL**

CERTIFICATE OF ANALYSIS

Catalog No: GRO-AK-101-GCS
Description: Gasoline Composite Mix
Lot: 220031562

Solvent: Methanol
Hazards: Refer to SDS for complete safety information

Date Certified: Apr 2, 2020
Expiration: Apr 2, 2030
Sample Size: 1 mL
Components: 3
Storage Condition: Ambient (>5 °C)



Signal Word: Danger

Certified Reference Material



Component	CAS #	Purity % (GC/MS)	Prepared Concentration ² (µg/mL)	Certified Analyte Concentration ¹ (µg/mL)
Gasoline - Premium, unleaded	N/A	Tech Mix	1660	1660
Gasoline - Regular, leaded	N/A	Tech Mix	1674	1674
Gasoline - Regular, unleaded	N/A	Tech Mix	1673	1673

ID #: 13338

Opened: _____

Gasoline Composite Mix

Expires: 4/2/2030

Rec'd: 12/17/2020

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Billings MT 59107

A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

² All weights are traceable through NIST, Test No. 684/289871-17

¹ Certified Analyte Concentration = Purity x Prepared Concentration.

The Uncertainty associated with the certified concentration reported on this certificate is ±2.4%. This value is the combined expanded uncertainty and represents an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Labels and certificates follow U.S. Conventions in reporting numerical values: A comma (,) is used to separate units of one-thousand or greater. A period (.) is used as a decimal place marker.

The information on this certificate may not be reproduced without the express permission of the manufacturer. See reverse side for additional information

Hazard Information: Please refer to the SDS for information regarding the hazards associated with using this material.

This product was prepared according to in-house procedures and is guaranteed to be homogeneous.

Certified By: _____

Larry Decker, Organic QC Manager

Energy Laboratories Inc

Standard LOG

Standard ID: GAS210122
Standard Name: Unleaded Gasoline Comp. Std.(2.0uL) Type: Secondary
Date Prepared: 1/22/2021 BY: Josie Pickard
Date Expires: 6/7/2023
Department: GCVOA Status: New
Vendor:
Lot Number:
Balance ID:
Comments: Concentration : 4.2ug/ul

Chemical / Solvent Used	BottleNo	Amt	Units	Exp
Methanol, Purge and Trap DZ880	13323	10	mL	9/18/

Final Volume: 10 mL

<u>Stock Source</u>		Base Units	Amount Added
GASH210122	Unleaded Gasoline Composite	ug/mL	0.84 mL
<u>Analtes</u>		CAS	Conc: ug/mL

Energy Laboratories Inc

Standard LOG

Standard ID: GASH210122
 Standard Name: Unleaded Gasoline Composite
 Date Prepared: 1/22/2021
 Date Expires: 6/7/2023
 Department: GCVOA
 Vendor:
 Lot Number:
 Balance ID:
 Comments: Concentration : 50,000 ug/ml

Type: Primary
 BY: Josie Pickard
 Status: New

Chemical / Solvent Used	BottleNo	Amt	Units	Exp
Methanol, Purge and Trap DZ880	13323	10	mL	9/18/

Final Volume: 10 mL

Stock Source
 3GAS160127 Alaska Gasoline Calibration Mix Versio

Base Units
 ug/mL

Amount Added
 0.5022 g

Analvtes

CAS

Conc: **ug/mL**

Energy Laboratories Inc

Standard LOG

Standard ID: 3GAS160127
Standard Name: Alaska Gasoline Calibration Mix Version 4/8/0
Date Prepared: 1/27/2016
Date Expires: 6/7/2023
Department: GCVOA
Vendor: Accustandard
Lot Number: 213051468
Balance ID:

Type: Neat
BY: Josie Pickard
Status: New

Comments: 33% of each gasoline Date prepared is date received Assay ran 2/1/16 on PE1; GRO equals 84% of TPH jmp 2/1/16

Chemical / Solvent Used	BottleNo	Amt	Units	Exp
Alaska Gasoline Calibration Mix Versio	8120	5	mL	6/7/2023

Final Volume: 5 mL

Stock Source

Base Units

Amount Added

Analtes

CAS

Conc: **ug/mL**

125 Market Street
New Haven, CT 06513
USA



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CERTIFICATE OF ANALYSIS

Catalog No: GRO-AK-101-GCS-R1

Description: Alaska Gasoline Calibration Mix Version 4/8/02

Lot: 213051468

Solvent: N/A

Hazards: HIGHLY FLAMMABLE - Refer to SDS for safety info

Date Certified: Jun 7, 2013

Expiration: Jun 7, 2023

Sample Size: 1 mL

Components: 3

Storage Condition: Ambient (>5 °C)

Included on ISO/IEC 17025 Scope of Accreditation: Yes

Included on ISO Guide 34 Scope of Accreditation: Yes



Danger 2

Component	CAS #	Purity % (GC/FID)	Prepared Concentration* (%w/w)	Certified Analyte Concentration* (%w/w)
Gasoline - Regular, unleaded	8006-61-9	Tech Mix	33.30	33.30
Gasoline - Plus, unleaded	8006-61-9	Tech Mix	33.40	33.40
Gasoline - Premium, unleaded	8006-61-9	Tech Mix	33.30	33.30

ID #: 8120

Opened:

Alaska Gasoline Calibration Mix Version 4/8/02

Expires: 6/7/2023

Rec'd 1/27/2016

Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

* All weights are traceable through NIST, Test No. 822-275872-11

† Certified Analyte Concentration = Purity x Prepared Concentration. The uncertainty associated with the gravimetric values reported on this certificate is ±0.24%. The CRM Uncertainty calculated for this product is ±5%. These values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Labels and certificates follow U.S. Conventions in reporting numerical values:

A comma (,) is used to separate units of one-thousand or greater.

A period (.) is used as a decimal place marker.

See reverse side for additional information.

Certified by:

Larry Decker, Organic QC Manager

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For use in routine laboratory analysis.

AccuStandard is accredited to ISO Guide 34, ISO/IEC 17025 and certified to ISO 9001

OR-OR-010-001
Rev. 011

Energy Laboratories Inc

Standard LOG

Standard ID: TFT220124
Standard Name: TFT (1.05uL) Type: Secondary
Date Prepared: 1/24/2022 BY: Josie Pickard
Date Expires: 9/10/2029
Department: GCVOA Status: New
Vendor:
Lot Number:
Balance ID:
Comments: Final concentration : 1.0mg/mL

Chemical / Solvent Used	BottleNo	Amt	Units	Exp
Methanol, Purge and Trap EB373	14519	1.9	mL	4/16/

Final Volume: 2 mL

Stock Source

TFTS210607 TFT Stock

Base Units

ug/mL

Amount Added

0.1 mL

Analtes

CAS

Conc: ug/mL

Energy Laboratories Inc

Standard LOG

Standard ID: TFST210607
Standard Name: TFT Stock
Date Prepared: 6/7/2021
Date Expires: 9/10/2029
Department: GCVOA
Vendor: Accustandard
Lot Number: 219091095
Balance ID:
Type: Primary
BY: Josie Pickard
Status: New
Comments: 20mg/ml in Meoh Date prepared is date received.

Chemical / Solvent Used	BottleNo	Amt	Units	Exp
a,a,a-Trifluorotoluene	13921	10	mL	9/10/

Final Volume: 10 mL

Stock Source

Base Units

Amount Added

Analvtes

CAS

Conc: **ug/mL**

CERTIFICATE OF ANALYSIS

Catalog No: M-602-SS-100X
Description: a,a,a-Trifluorotoluene
Lot: 219091095

Solvent: Methanol

Hazards: Refer to SDS for complete safety information

Date Certified: Sep 10, 2019
Expiration: Sep 10, 2029
Sample Size: 1 mL
Components: 1
Storage Condition: Ambient (>5 °C)



Signal Word: Danger

Certified Reference Material



Component	CAS #	Purity % (GC/MS)	Prepared Concentration ² (mg/mL)	Certified Analyte Concentration ¹ (mg/mL)
a,a,a-Trifluorotoluene	98-08-8	99.9	20.01	19.99

ID #: 13921

Opened: _____

a,a,a-Trifluorotoluene

Expires: 9/10/2029

Rec'd: 6/7/2021

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² All weights are traceable through NIST, Test No. 684/289871-17

¹ Certified Analyte Concentration = Purity x Prepared Concentration.

The Uncertainty associated with the certified concentration reported on this certificate is $\pm 2.4\%$. This value is the combined expanded uncertainty and represents an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

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The information on this certificate may not be reproduced without the express permission of the manufacturer. See reverse side for additional information

Hazard Information: Please refer to the SDS for information regarding the hazards associated with using this material.

This product was prepared according to in-house procedures and is guaranteed to be homogeneous.

Certified By: _____

Larry Decker, Organic QC Manager