

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

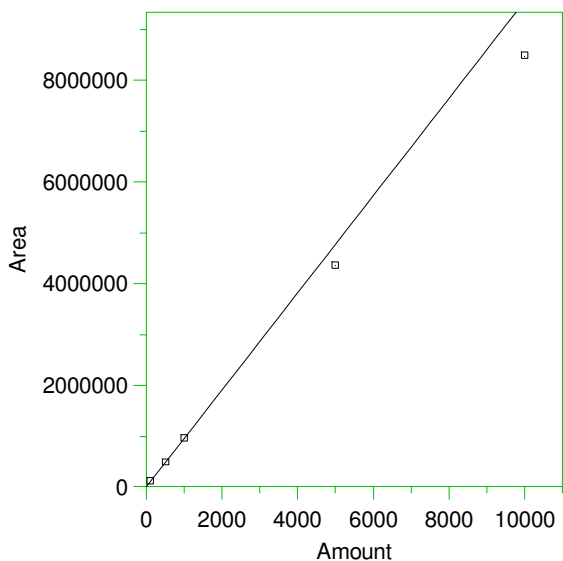
Creator: jmp
 Description: Column Restex Rtx 502.2 12/8/21
 Reason for change:

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.

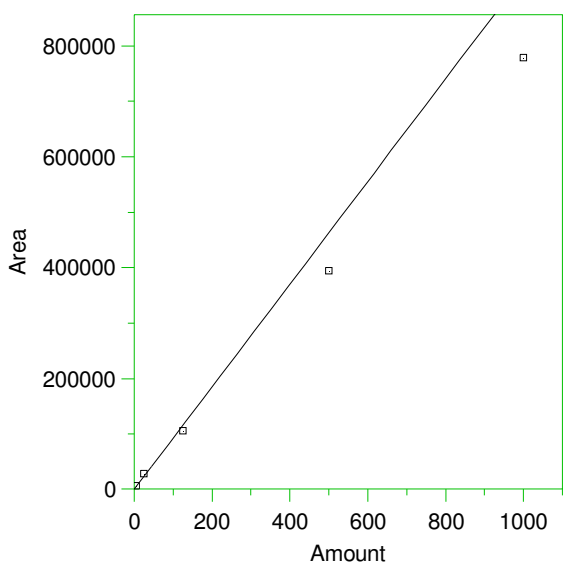
1 TPH



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

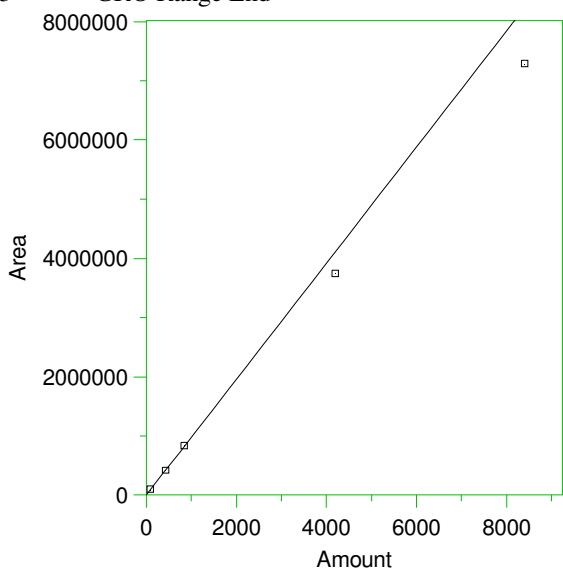
2 **Trifluorotoluene



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

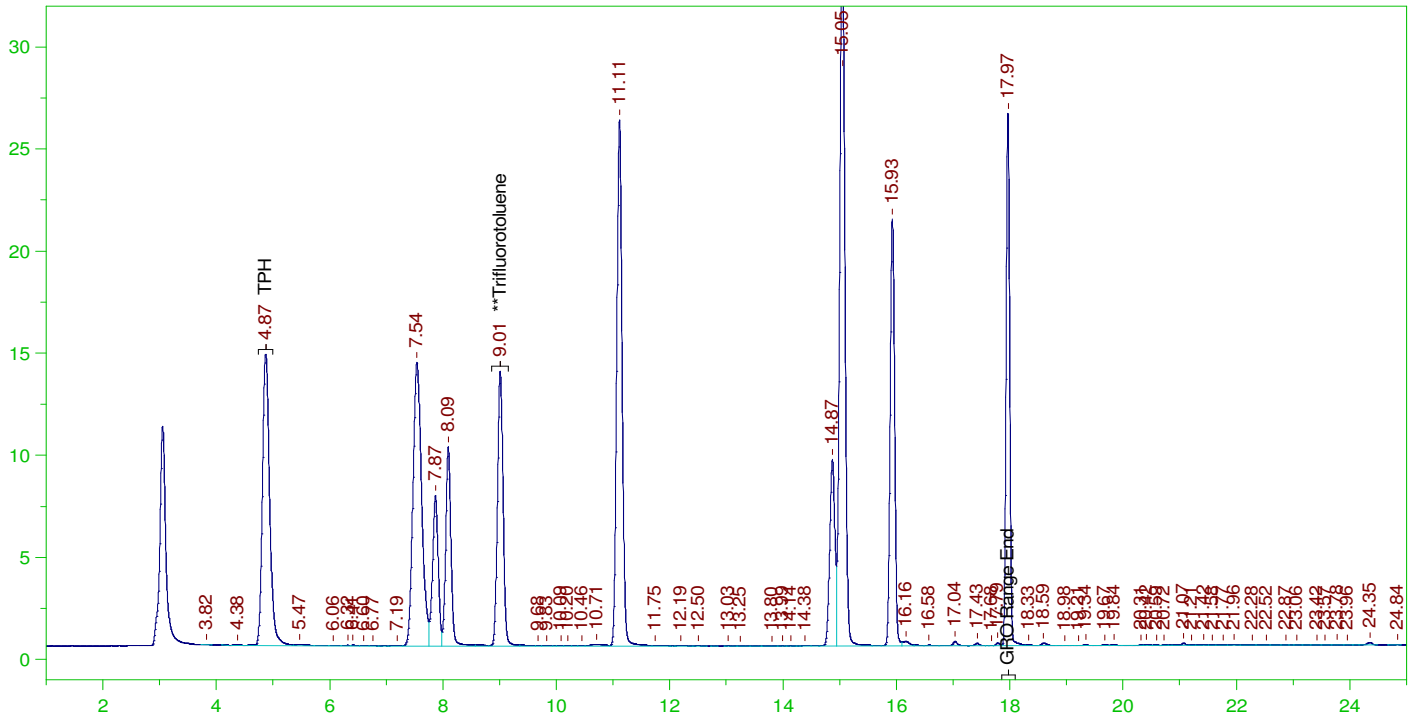


Expected retention time: 17.97 minutes
 Search window: 0.12 minutes
 No retention time reference component
 Group number: 1
 High alarm limit: 1000000
 Low alarm limit: 1000
 Component constant: 1
 Single peak quantification by area
 $Y = 979.9788 X + 0$
 Average CF fit with equal weighting, forced to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

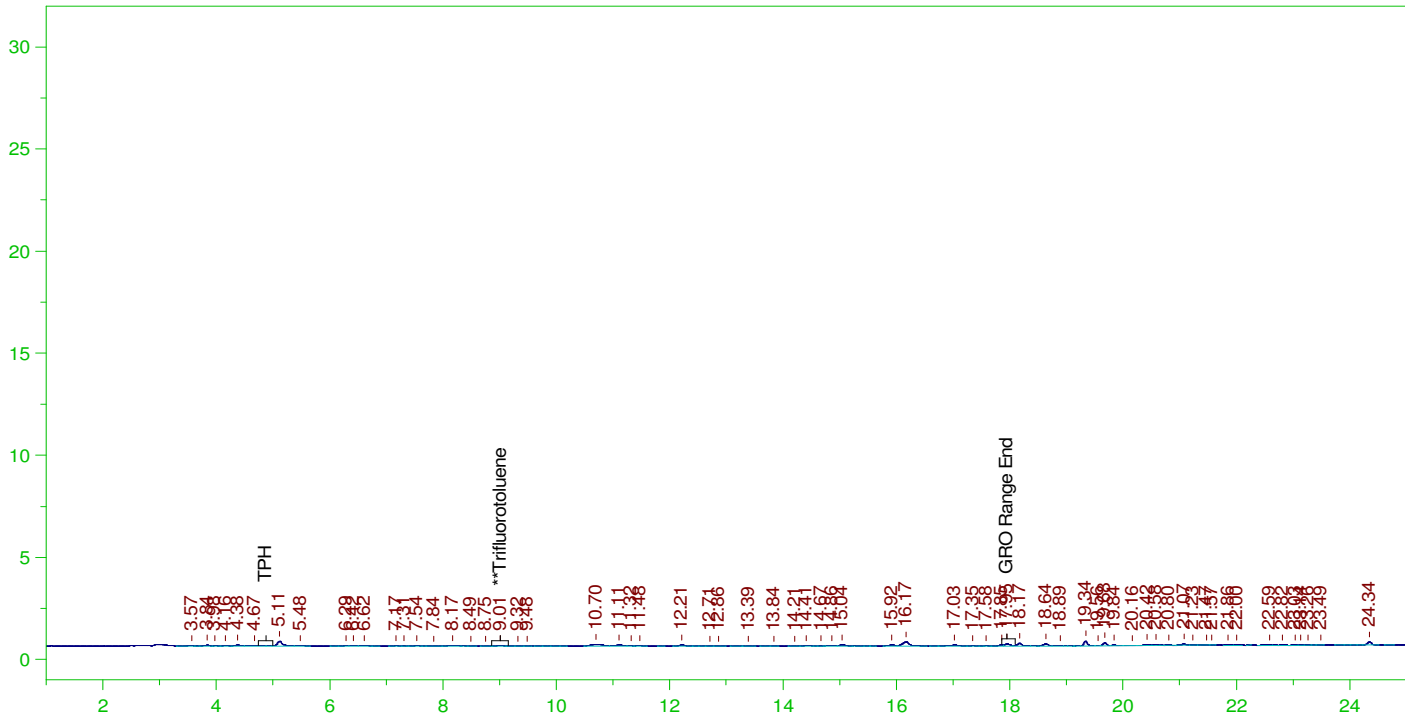
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COMPOUND	ACTUAL (NG)	MEASURED (NG)	%RECOVERY	LIMITS
GRO	840.	1108.93	132.02	85-115
TPH	1000.	1146.	114.6	85-115

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

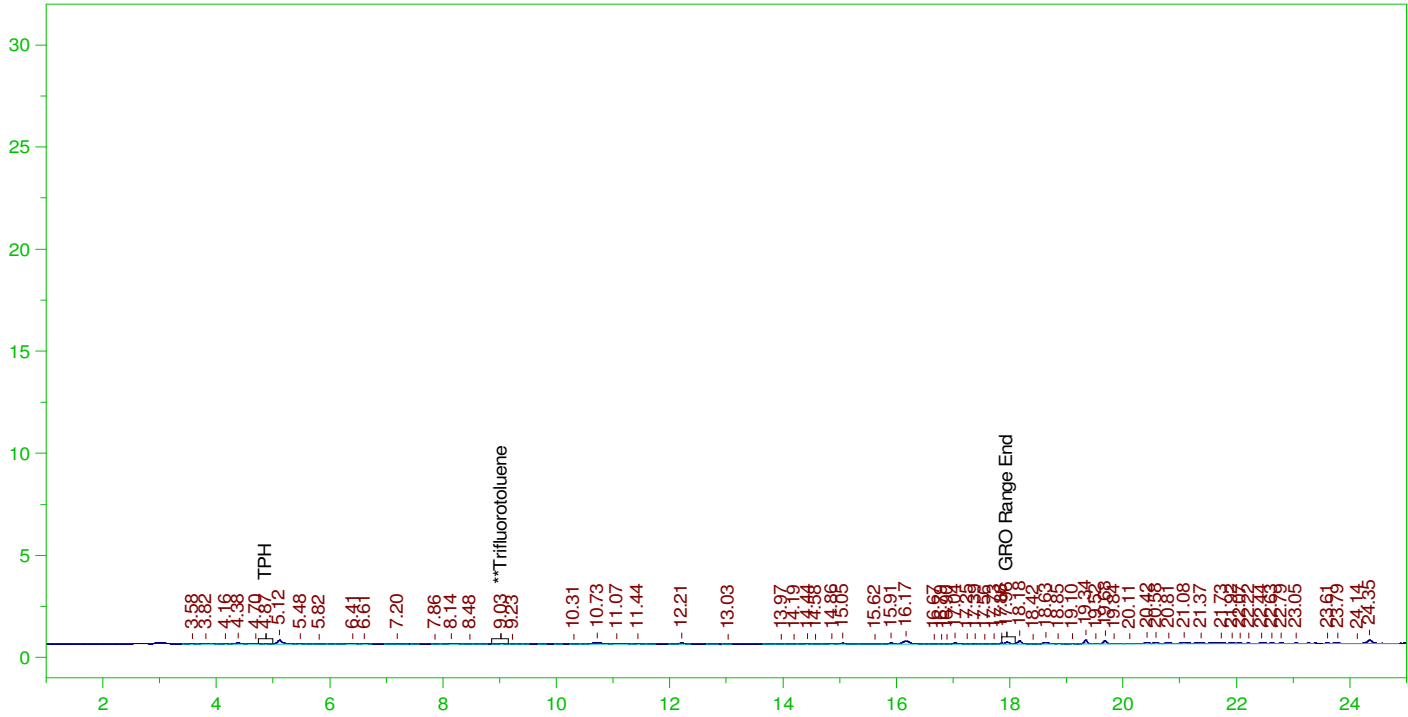
Mean RF for GRO: 979.9788
 Mean RF for TPH: 955.6747
 Rt range for Gasoline Range Organics: 4.75 to 18.09

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

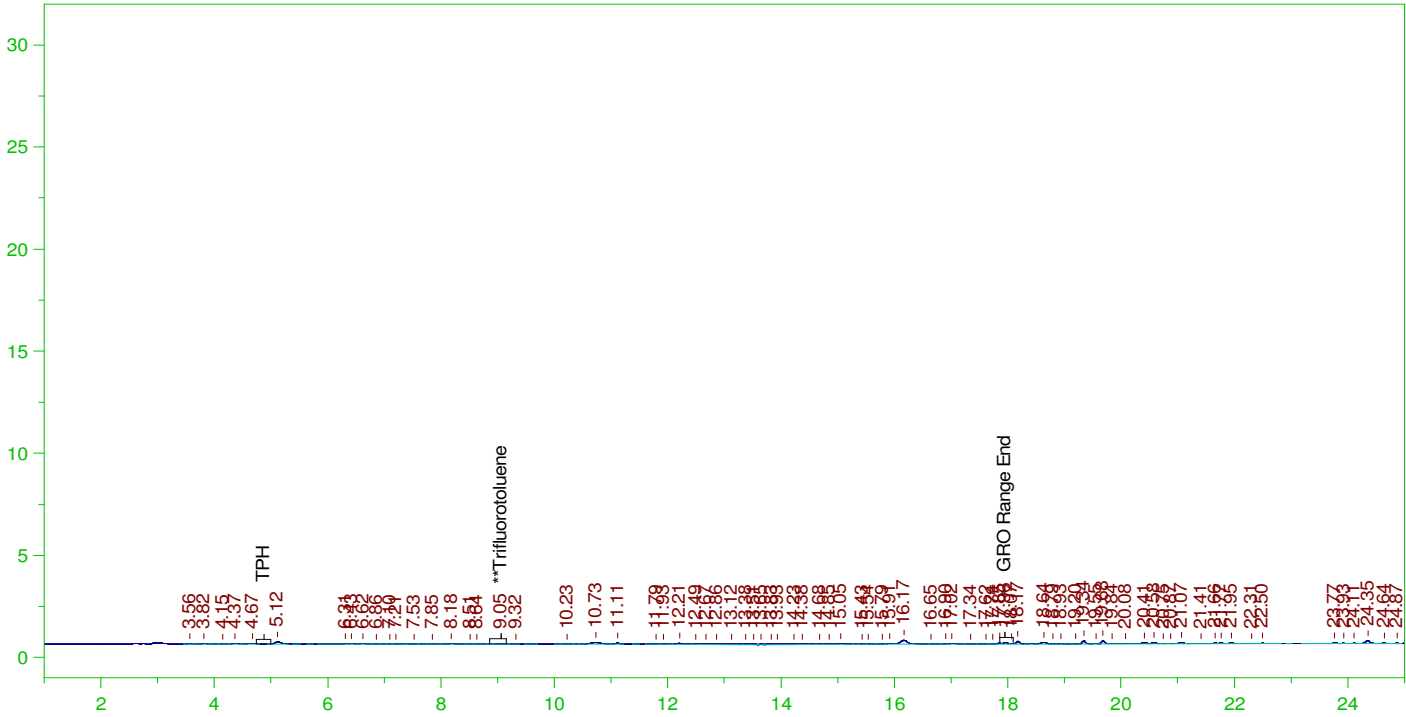
Mean RF for GRO: 979.9788
 Mean RF for TPH: 955.6747
 Rt range for Gasoline Range Organics: 4.75 to 18.09

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

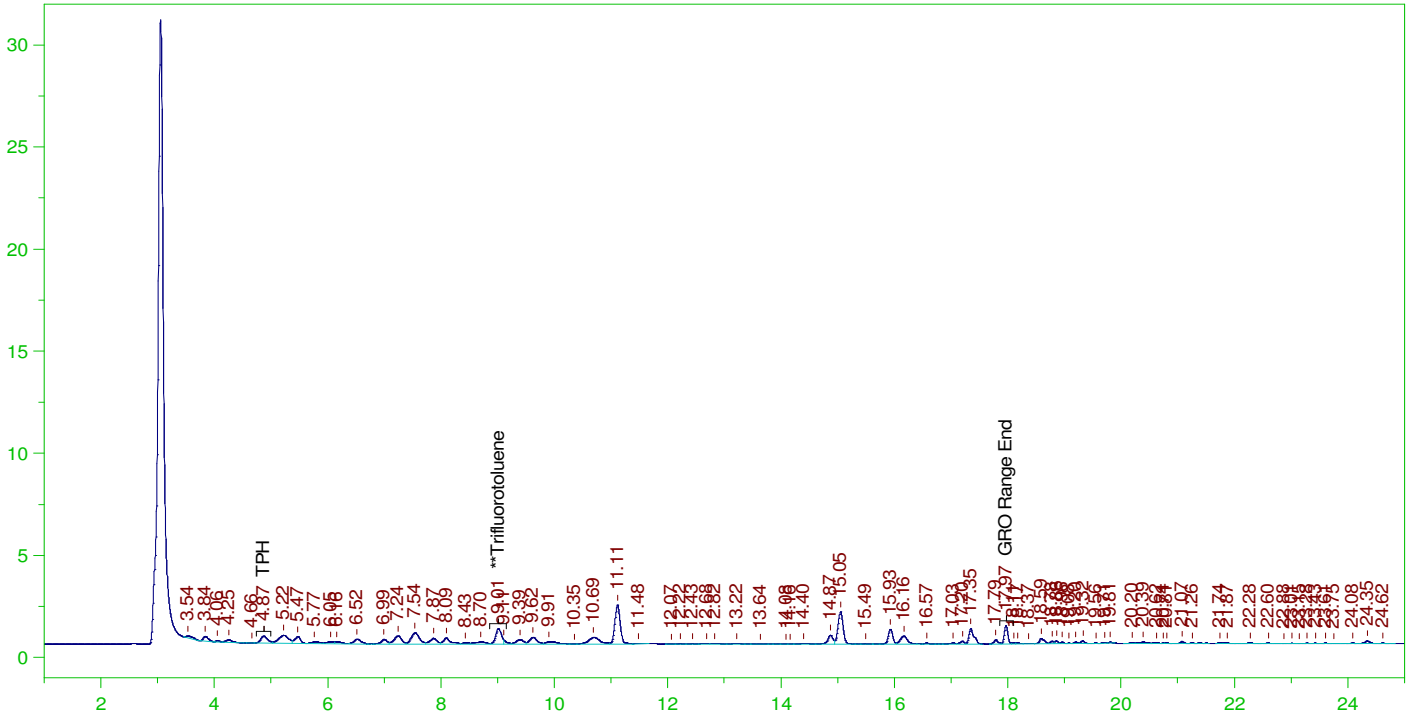
Mean RF for GRO: 979.9788
 Mean RF for TPH: 955.6747
 Rt range for Gasoline Range Organics: 4.75 to 18.09

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

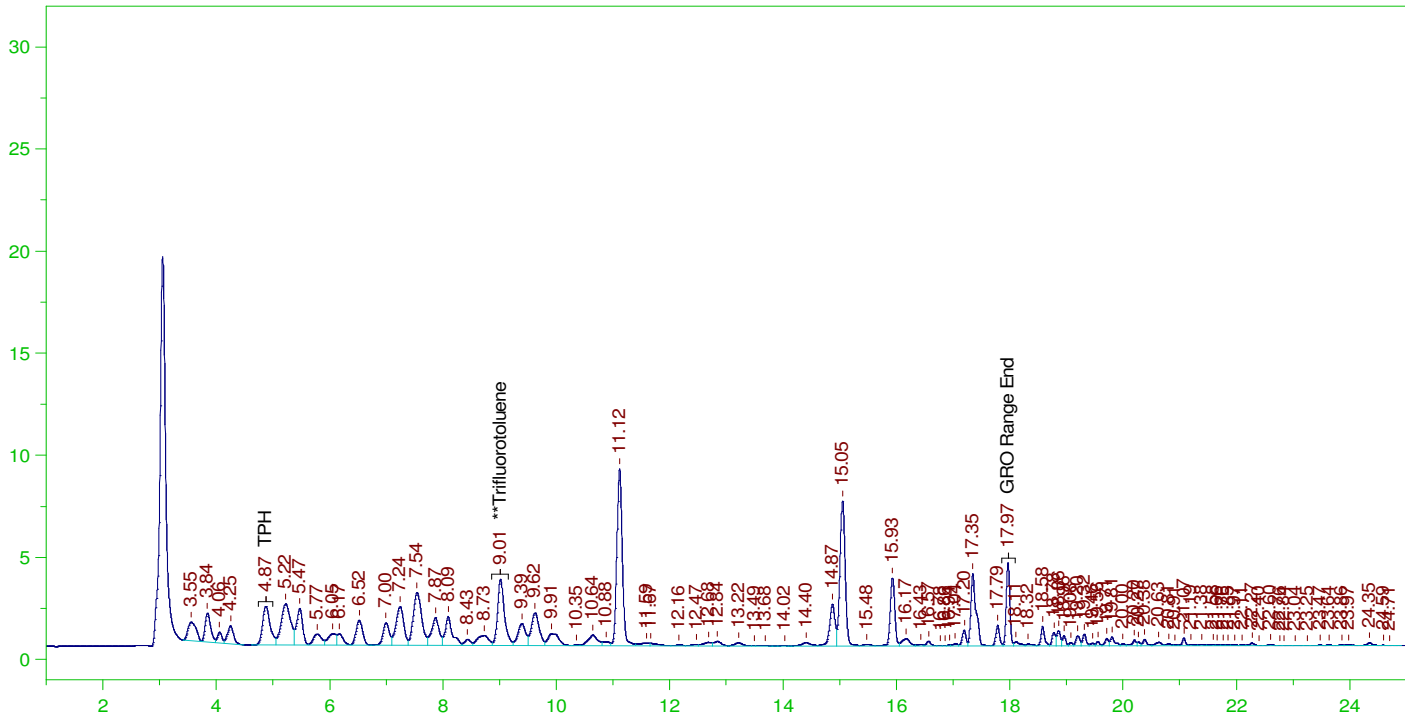
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COMPOUND	ACTUAL (NG)	MEASURED (NG)	%RECOVERY	LIMITS
GRO	840.	96.82	11.53	85-115
TPH	1000.	114.3	11.43	85-115

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

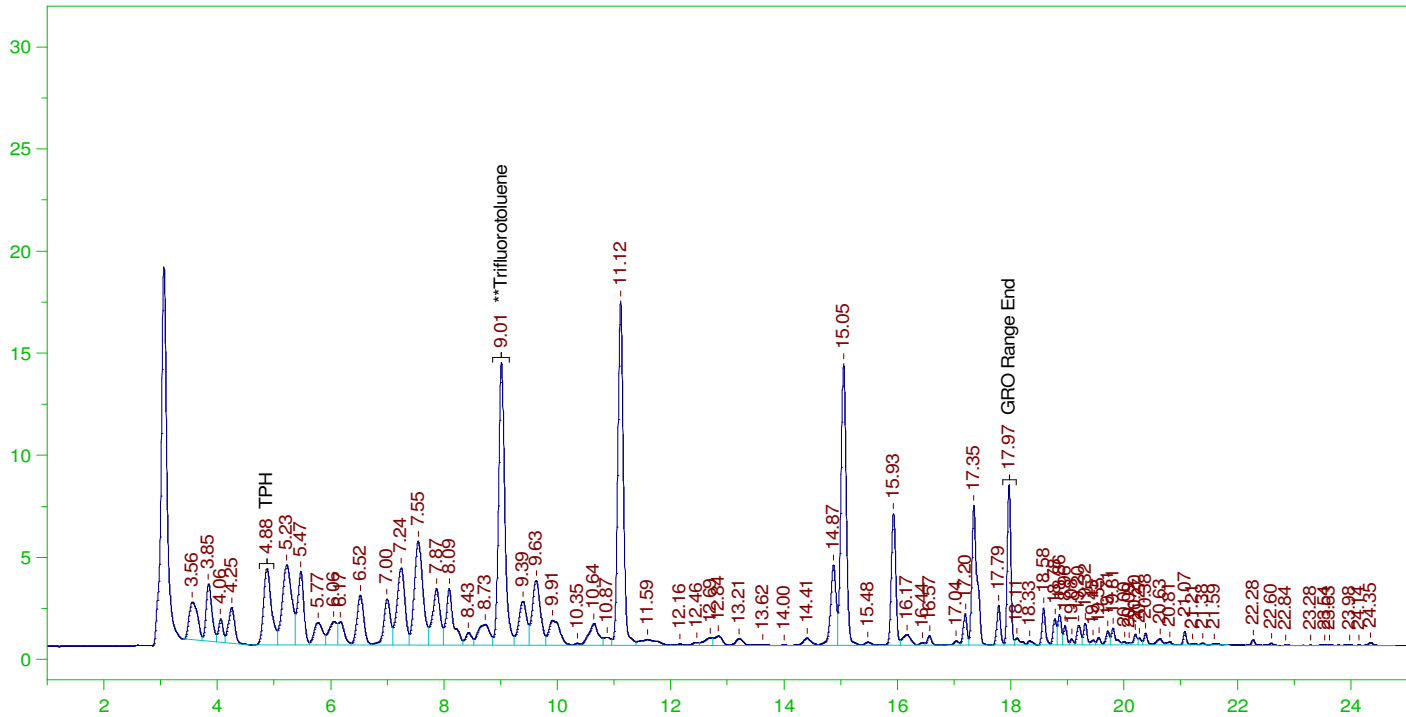
CONTINUING CALIBRATION REPORT: G:\Org\VAR\DAT\VAR120821_b\1208VARB.0065.RAW

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

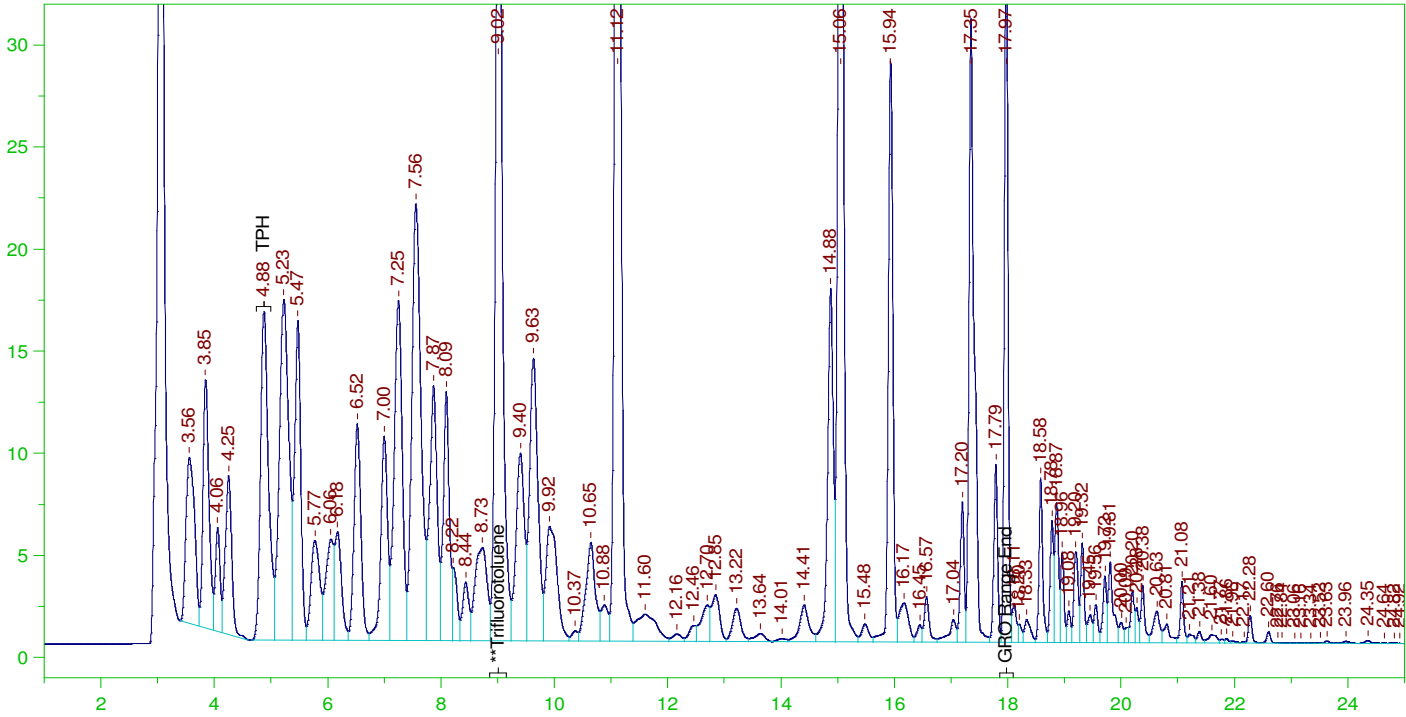
CONTINUING CALIBRATION REPORT: G:\Org\VAR\DAT\VAR120821_b\1208VARB.0066.RAW

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

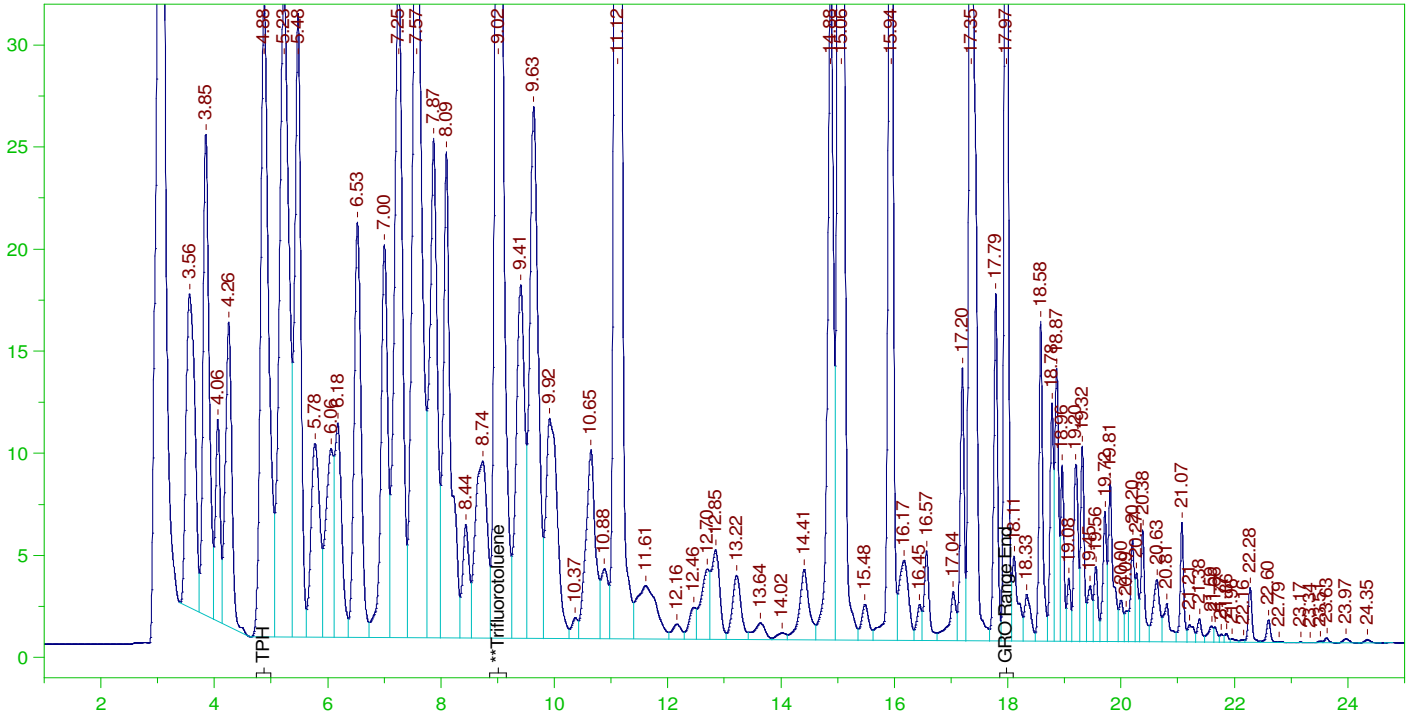
CONTINUING CALIBRATION REPORT: G:\Org\VAR\DAT\VAR120821_b\1208VARB.0067.RAW

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

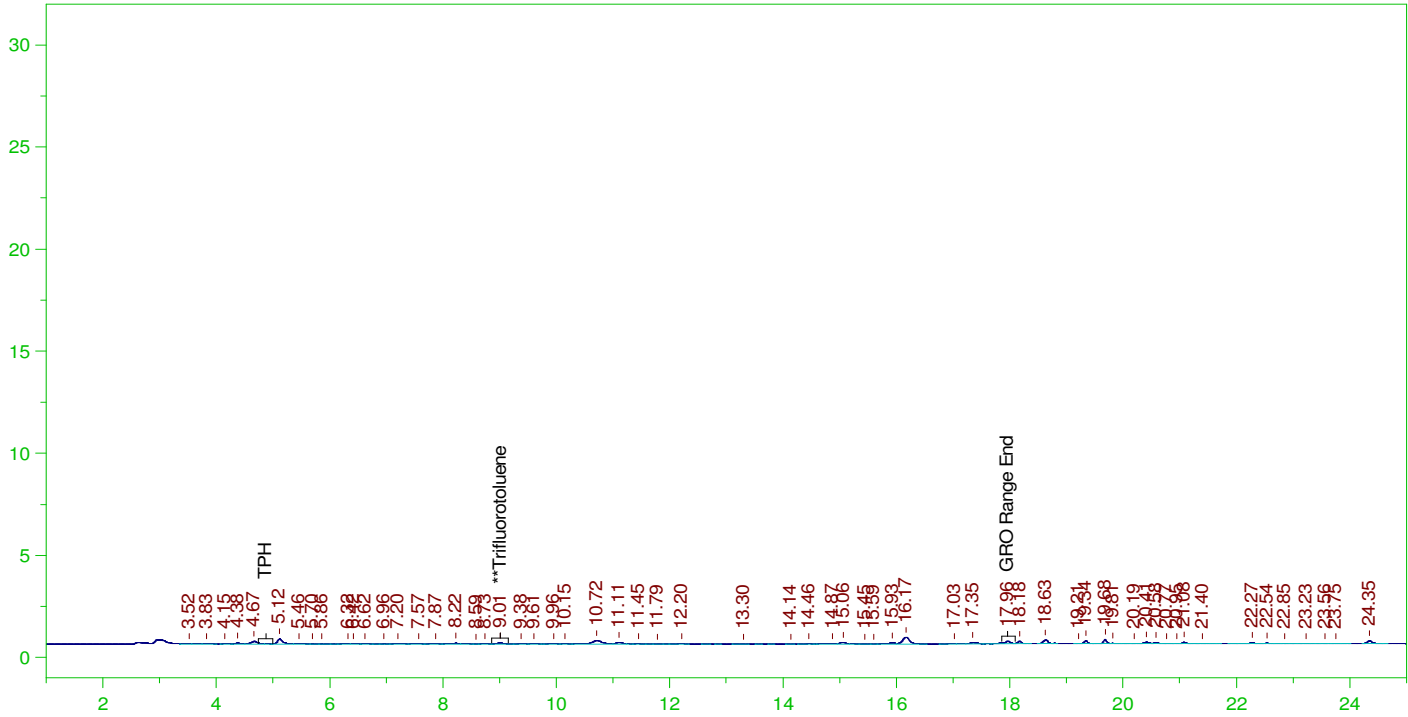
CONTINUING CALIBRATION REPORT: G:\Org\VAR\DAT\VAR120821_b\1208VARB.0068.RAW

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

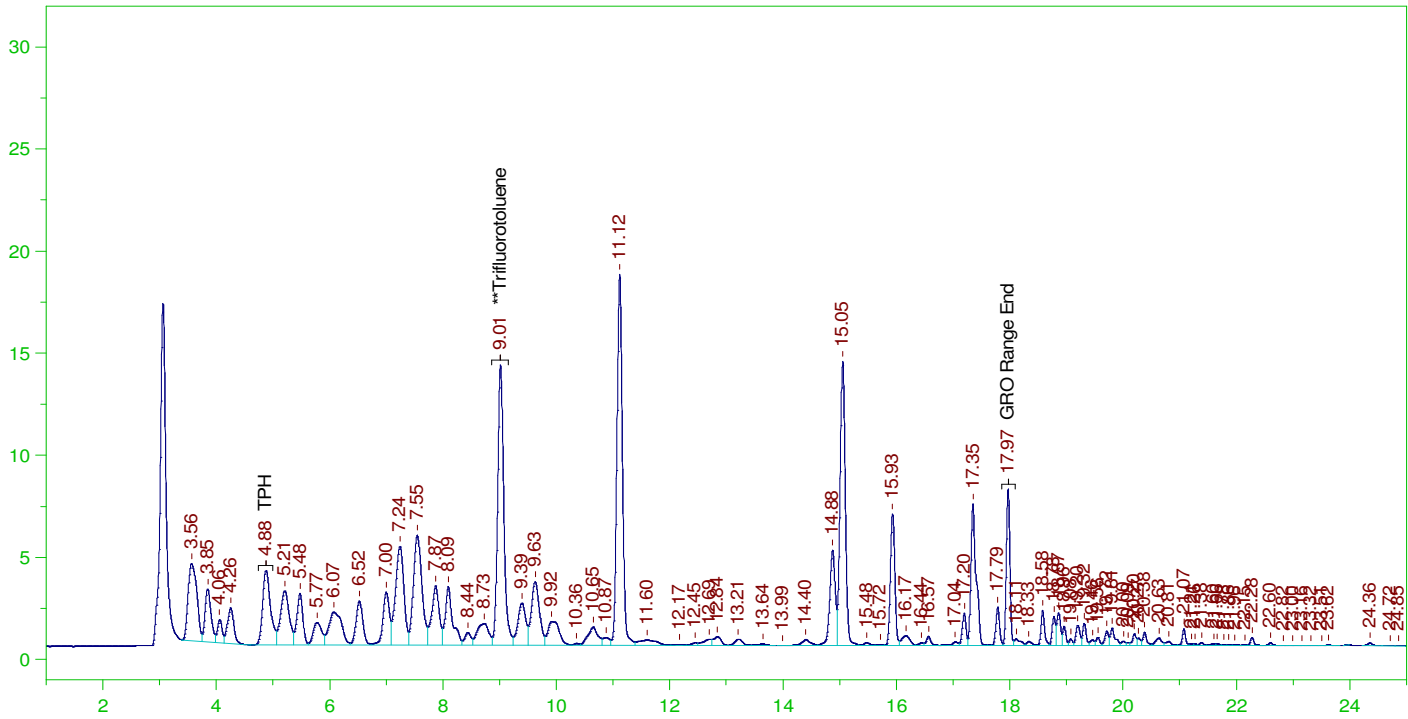
Mean RF for GRO: 979.9788
 Mean RF for TPH: 955.6747
 Rt range for Gasoline Range Organics: 4.75 to 18.09

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

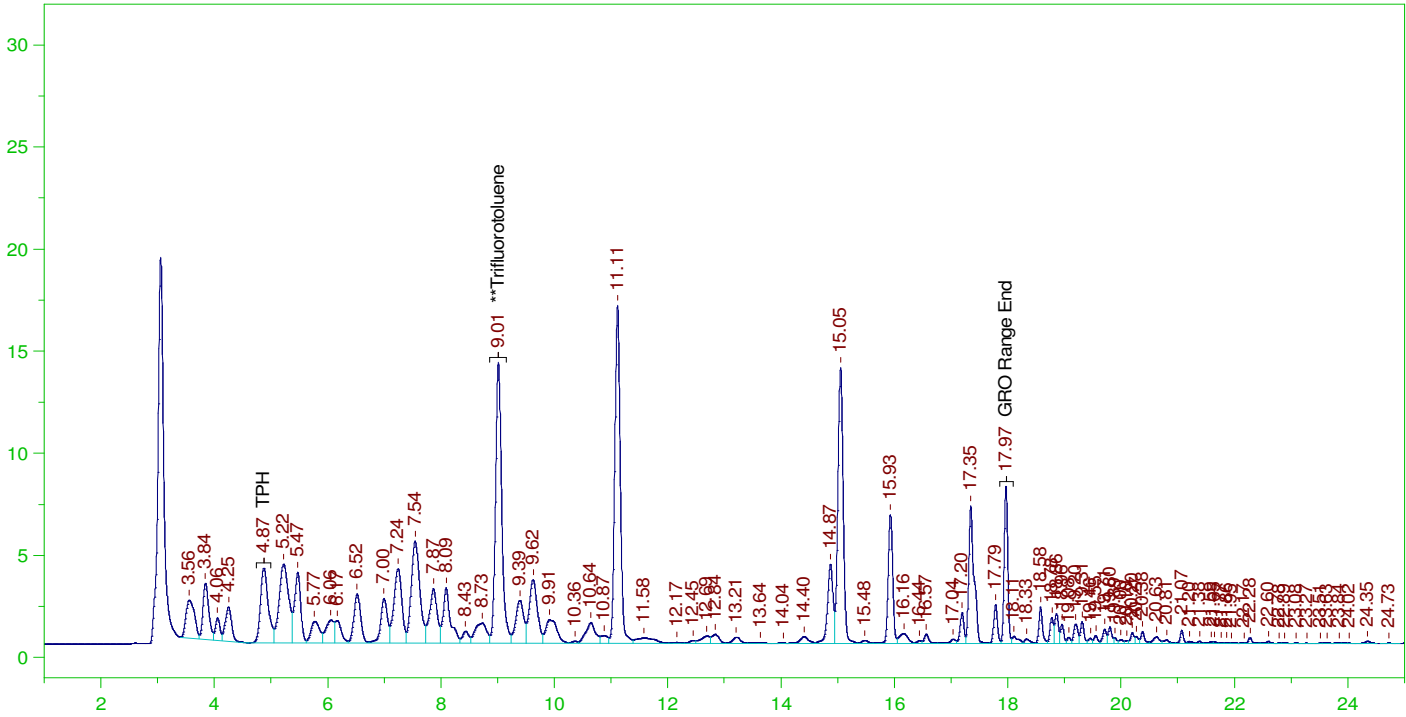
Mean RF for GRO: 979.9788
 Mean RF for TPH: 955.6747
 Rt range for Gasoline Range Organics: 4.75 to 18.09

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

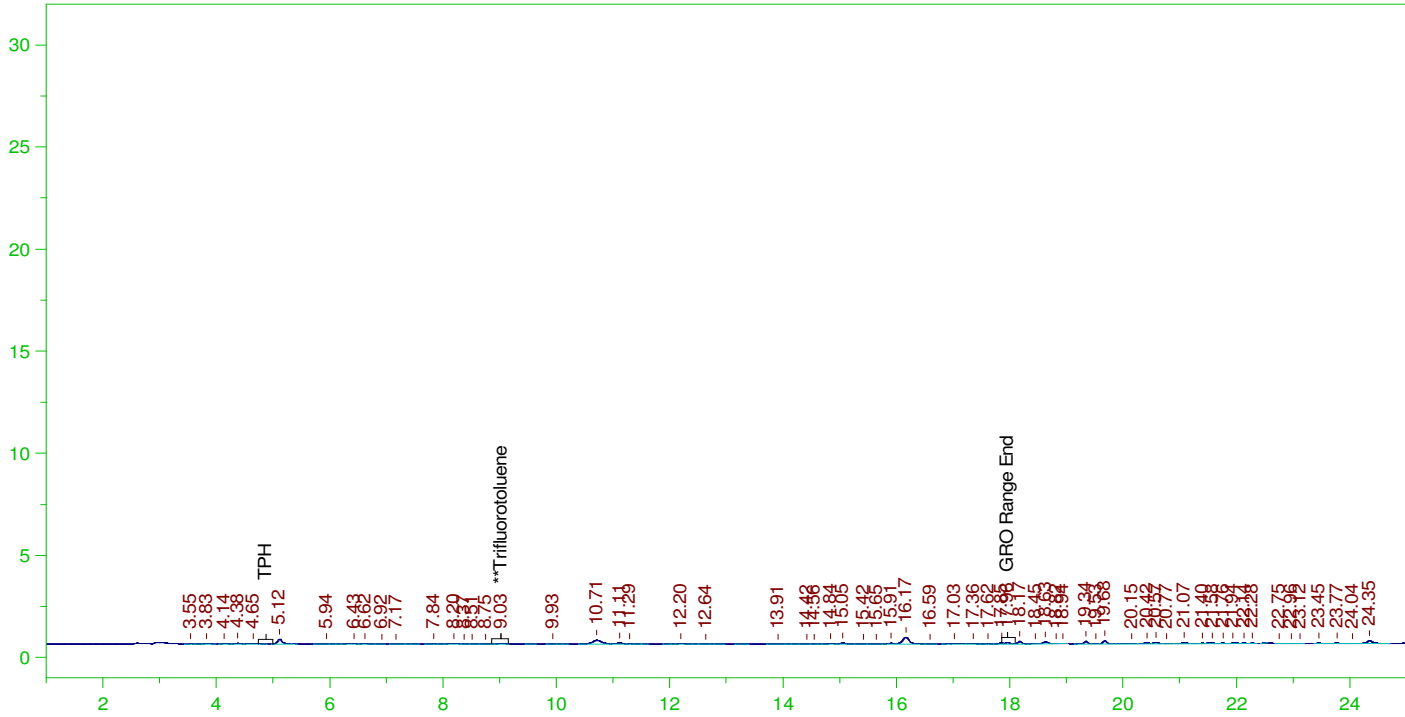
CONTINUING CALIBRATION REPORT: G:\Org\VAR\DAT\VAR120821_b\1208VARB.0071.RAW

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
Data File	Sample Name							
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

09-Mar-22

Run ID VARIAN1_220307A

Run Start Date: 3/7/2022
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
GQC211012	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
TFT220228	TFT (1.05uL)	1.05	ul			Surr	9/10/2029
TFT220308	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					
15075631	CCV_0307VAR	HC-8015-GRO-	SAMP		3/7/2022 10:02:1	1	R375789		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	189.8902	189.8902		0	0	0	2.01	20	0	0%	0	0	0%	
Total Purgeable Hydrocarbons	A	ug/L	196.6895	196.6895		0	0	0	3.08	20	0	0%	0	0	0%	
Trifluorotoluene	S	ug/L	19.04248	19.04248		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					
15075632	CCV_0307VAR	HC-8015-GRO-	CCV		3/7/2022 10:36:1	1	R375789		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	176.6037	176.6037		168	0	0	2.01	20	0	105%	80	120	0%	
Total Purgeable Hydrocarbons	A	ug/L	211.5217	211.5217		200	0	0	3.08	20	0	106%	80	120	0%	
Trifluorotoluene	S	ug/L	22.30241	22.30241		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					
15075633	LCS_0307VAR1	HC-8015-GRO-	LCS		3/7/2022 1:26:40	1	R375789		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	168.1134	168.1134		170	0	0	2.01	20	0	99%	70	130	0%	
Total Purgeable Hydrocarbons	A	ug/L	203.2758	203.2758		200	0	0	3.08	20	0	102%	70	130	0%	
Trifluorotoluene	S	ug/L	21.9364	21.9364		25	0	0	0.147	1	0	88%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15075634	MBLK_0307VA	HC-8015-GRO-	MBLK		3/7/2022 2:00:45	1	R375789		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	18.84846	18.84846		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					
15075635	B22030244-007	HC-8015-GRO-	SAMP		3/7/2022 3:08:50	1	R375789		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	18.57264	18.57264		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					
15075636	B22030244-004	HC-8015-GRO-	SAMP		3/7/2022 4:39:36	1	R375789		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	17.86451	17.86451		25	0	0	0.147	1	0	71%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15075637	B22030244-009	HC-8015-GRO-	SAMP		3/7/2022 5:13:37	1	R375789		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					
15075637	B22030244-009	HC-8015-GRO-	SAMP		3/7/2022 5:13:37	1	R375789		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	18.4923	18.4923		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					
15075638	B22030244-014	HC-8015-GRO-	SAMP		3/7/2022 5:47:40	1	R375789		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	18.40192	18.40192		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					
15075639	B22030244-019	HC-8015-GRO-	SAMP		3/7/2022 6:21:39	1	R375789		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	2.438449	2.438449		0	0	0	2.01	20	0	0%	0	0	0%	J
Total Purgeable Hydrocarbons	A	ug/L	3.580145	3.580145		0	0	0	3.08	20	0	0%	0	0	0%	J
Trifluorotoluene	S	ug/L	18.18154	18.18154		25	0	0	0.147	1	0	73%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15075640	B22030244-024	HC-8015-GRO-	SAMP		3/7/2022 6:55:40	1	R375789		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	2.734897	0		0	0	0	3.08	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	18.43633	18.43633		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					
15075641	B22030244-029	HC-8015-GRO-	SAMP		3/7/2022 7:29:45	1	R375789		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					
15075641	B22030244-029	HC-8015-GRO-	SAMP		3/7/2022 7:29:45	1	R375789		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	2.08207	2.08207		0	0	0	2.01	20	0	0%	0	0	0%	J
Total Purgeable Hydrocarbons	A	ug/L	2.971749	0		0	0	0	3.08	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	18.02669	18.02669		25	0	0	0.147	1	0	72%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15075642	B22030244-034	HC-8015-GRO-	SAMP		3/7/2022 8:03:48	1	R375789		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	2.668346	0		0	0	0	3.08	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	18.19216	18.19216		25	0	0	0.147	1	0	73%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15075643	CCV_0307VAR	HC-8015-GRO-	SAMP		3/7/2022 8:37:54	1	R375789		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	182.6392	182.6392		0	0	0	2.01	20	0	0%	0	0	0%	
Total Purgeable Hydrocarbons	A	ug/L	188.5236	188.5236		0	0	0	3.08	20	0	0%	0	0	0%	
Trifluorotoluene	S	ug/L	18.20529	18.20529		25	0	0	0.147	1	0	73%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15075644	CCV_0307VAR	HC-8015-GRO-	CCV		3/7/2022 9:12:03	1	R375789		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	179.4353	179.4353		168	0	0	2.01	20	0	107%	80	120	0%	
Total Purgeable Hydrocarbons	A	ug/L	215.3199	215.3199		200	0	0	3.08	20	0	108%	80	120	0%	
Trifluorotoluene	S	ug/L	22.14272	22.14272		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					
15075645	LCS_0307VAR2	HC-8015-GRO-	LCS		3/7/2022 9:46:09	1	R375789		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					
15075645	LCS_0307VAR2	HC-8015-GRO-	LCS		3/7/2022 9:46:09	1	R375789		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	163.3817	163.3817		170	0	0	2.01	20	0	96%	70	130	0%	
Total Purgeable Hydrocarbons	A	ug/L	197.7097	197.7097		200	0	0	3.08	20	0	99%	70	130	0%	
Trifluorotoluene	S	ug/L	20.78393	20.78393		25	0	0	0.147	1	0	83%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15075646	MBLK_0307VA	HC-8015-GRO-	MBLK		3/7/2022 10:54:2	1	R375789		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	2.032764	0		0	0	0	3.08	10	0	0%	0	0	0%	
Trifluorotoluene	S	ug/L	18.38482	18.38482		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					
15075647	B22030244-039	HC-8015-GRO-	SAMP		3/7/2022 11:28:2	1	R375789		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	2.662664	0		0	0	0	3.08	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	18.2667	18.2667		25	0	0	0.147	1	0	73%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15075648	B22030244-044	HC-8015-GRO-	SAMP		3/8/2022 12:02:3	1	R375789		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	2.285137	2.285137		0	0	0	2.01	20	0	0%	0	0	0%	J
Total Purgeable Hydrocarbons	A	ug/L	3.114986	3.114986		0	0	0	3.08	20	0	0%	0	0	0%	J
Trifluorotoluene	S	ug/L	17.86118	17.86118		25	0	0	0.147	1	0	71%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15075649	B22030244-049	HC-8015-GRO-	SAMP		3/8/2022 12:36:3	1	R375789		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					
15075649	B22030244-049	HC-8015-GRO-	SAMP		3/8/2022 12:36:3	1	R375789		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	2.225158	0		0	0	0	3.08	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	18.15237	18.15237		25	0	0	0.147	1	0	73%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15075650	B22030244-001	HC-8015-GRO-	SAMP		3/8/2022 1:10:38	1	R375789		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	2.540795	0		0	0	0	3.08	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	17.98776	17.98776		25	0	0	0.147	1	0	72%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15075651	B22030244-002	HC-8015-GRO-	SAMP		3/8/2022 2:18:51	1	R375789		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	2.883045	0		0	0	0	3.08	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	17.95908	17.95908		25	0	0	0.147	1	0	72%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15075652	B22030244-017	HC-8015-GRO-	SAMP		3/8/2022 3:27:04	1	R375789		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%	UT
Total Purgeable Hydrocarbons	A	ug/L	2.064067	0		0	0	0	3.08	20	0	0%	0	0	0%	UT
Trifluorotoluene	S	ug/L	17.64462	17.64462		25	0	0	0.147	1	0	71%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15075653	B22030244-022	HC-8015-GRO-	SAMP		3/8/2022 4:35:16	1	R375789		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					
15075653	B22030244-022	HC-8015-GRO-	SAMP		3/8/2022 4:35:16	1	R375789		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	2.917909	0		0	0	0	3.08	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	17.60281	17.60281		25	0	0	0.147	1	0	70%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15075654	B22030244-027	HC-8015-GRO-	SAMP		3/8/2022 5:43:25	1	R375789		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%	UT
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.08	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	17.93949	17.93949		25	0	0	0.147	1	0	72%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15075655	B22030244-032	HC-8015-GRO-	SAMP		3/8/2022 6:51:35	1	R375789		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	2.522807	0		0	0	0	3.08	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	17.65826	17.65826		25	0	0	0.147	1	0	71%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15075656	CCV_0307VAR	HC-8015-GRO-	SAMP		3/8/2022 7:59:36	1	R375789		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	180.9081	180.9081		0	0	0	2.01	20	0	0%	0	0	0%	
Total Purgeable Hydrocarbons	A	ug/L	186.6489	186.6489		0	0	0	3.08	20	0	0%	0	0	0%	
Trifluorotoluene	S	ug/L	18.41407	18.41407		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					
15075657	CCV_0307VAR	HC-8015-GRO-	CCV		3/8/2022 8:33:36	1	R375789		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					
15075657	CCV_0307VAR	HC-8015-GRO-	CCV		3/8/2022 8:33:36	1	R375789			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	168.5399	168.5399		168	0	0	2.01	20	0	100%	80	120	0%	
Total Purgeable Hydrocarbons	A	ug/L	203.4129	203.4129		200	0	0	3.08	20	0	102%	80	120	0%	
Trifluorotoluene	S	ug/L	21.43279	21.43279		25	0	0	0.147	1	0	86%	80	120	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15075658	LCS_0307VAR4	HC-8015-GRO-	LCS		3/8/2022 9:07:42	1	R375789			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	168.8132	168.8132		170	0	0	2.01	20	0	99%	70	130	0%	
Total Purgeable Hydrocarbons	A	ug/L	203.7025	203.7025		200	0	0	3.08	20	0	102%	70	130	0%	
Trifluorotoluene	S	ug/L	22.48178	22.48178		25	0	0	0.147	1	0	90%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15075659	MBLK_0307VA	HC-8015-GRO-	MBLK		3/8/2022 10:15:4	1	R375789			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	2.090366	0		0	0	0	3.08	10	0	0%	0	0	0%	
Trifluorotoluene	S	ug/L	20.476	20.476		25	0	0	0.147	1	0	82%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15075660	B22030244-007	HC-8015-GRO-	MS		3/8/2022 10:49:4	1	R375789			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	169.9739	169.9739		170	0	0	2.01	20	0	100%	70	130	0%	
Total Purgeable Hydrocarbons	A	ug/L	204.9767	204.9767		200	0	0	3.08	20	0	102%	70	130	0%	
Trifluorotoluene	S	ug/L	22.97558	22.97558		25	0	0	0.147	1	0	92%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15075661	B22030244-007	HC-8015-GRO-	MSD		3/8/2022 11:23:5	1	R375789			2E+07	2E+07					
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					
15075661	B22030244-007	HC-8015-GRO-	MSD		3/8/2022 11:23:5	1	R375789		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	168.9611	168.9611		170	0	169.9739	2.01	20	0	99%	70	130	1%	
Total Purgeable Hydrocarbons	A	ug/L	202.4185	202.4185		200	0	204.9767	3.08	20	0	101%	70	130	1%	
Trifluorotoluene	S	ug/L	23.0526	23.0526		25	0	0	0.147	1	0	92%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15075662	B22030244-037	HC-8015-GRO-	SAMP		3/8/2022 12:32:0	1	R375789			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	2.047857	0		0	0	0	3.08	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	20.19456	20.19456		25	0	0	0.147	1	0	81%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15075663	B22030244-042	HC-8015-GRO-	SAMP		3/8/2022 1:40:22	1	R375789			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%	UT
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.08	20	0	0%	0	0	0%	UT
Trifluorotoluene	S	ug/L	20.64423	20.64423		25	0	0	0.147	1	0	83%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15075664	B22030244-047	HC-8015-GRO-	SAMP		3/8/2022 2:48:36	1	R375789			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	10.00937	10.00937		0	0	0	3.08	20	0	0%	0	0	0%	J
Trifluorotoluene	S	ug/L	19.72272	19.72272		25	0	0	0.147	1	0	79%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15075665	B22030244-012	HC-8015-GRO-	SAMP		3/8/2022 3:56:53	1	R375789			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					
15075665	B22030244-012	HC-8015-GRO-	SAMP		3/8/2022 3:56:53	1	R375789			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	20.14843	20.14843		25	0	0	0.147	1	0	81%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15075666	B22030244-042	HC-8015-GRO-	MS		3/8/2022 5:05:11	1	R375789			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	165.0074	165.0074		170	0	0	2.01	20	0	97%	70	130	0%	
Total Purgeable Hydrocarbons	A	ug/L	198.363	198.363		200	0	0	3.08	20	0	99%	70	130	0%	
Trifluorotoluene	S	ug/L	22.82672	22.82672		25	0	0	0.147	1	0	91%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15075667	B22030244-042	HC-8015-GRO-	MSD		3/8/2022 5:39:20	1	R375789			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	164.3249	164.3249		170	0	165.0074	2.01	20	0	97%	70	130	0%	
Total Purgeable Hydrocarbons	A	ug/L	197.4185	197.4185		200	0	198.363	3.08	20	0	99%	70	130	0%	
Trifluorotoluene	S	ug/L	22.86958	22.86958		25	0	0	0.147	1	0	91%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15075668	CCV_0307VAR	HC-8015-GRO-	SAMP		3/8/2022 7:21:49	1	R375789			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	188.4241	188.4241		0	0	0	2.01	20	0	0%	0	0	0%	
Total Purgeable Hydrocarbons	A	ug/L	195.3445	195.3445		0	0	0	3.08	20	0	0%	0	0	0%	
Trifluorotoluene	S	ug/L	20.17632	20.17632		25	0	0	0.147	1	0	81%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15075669	CCV_0307VAR	HC-8015-GRO-	CCV		3/8/2022 7:55:57	1	R375789			0	0					
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

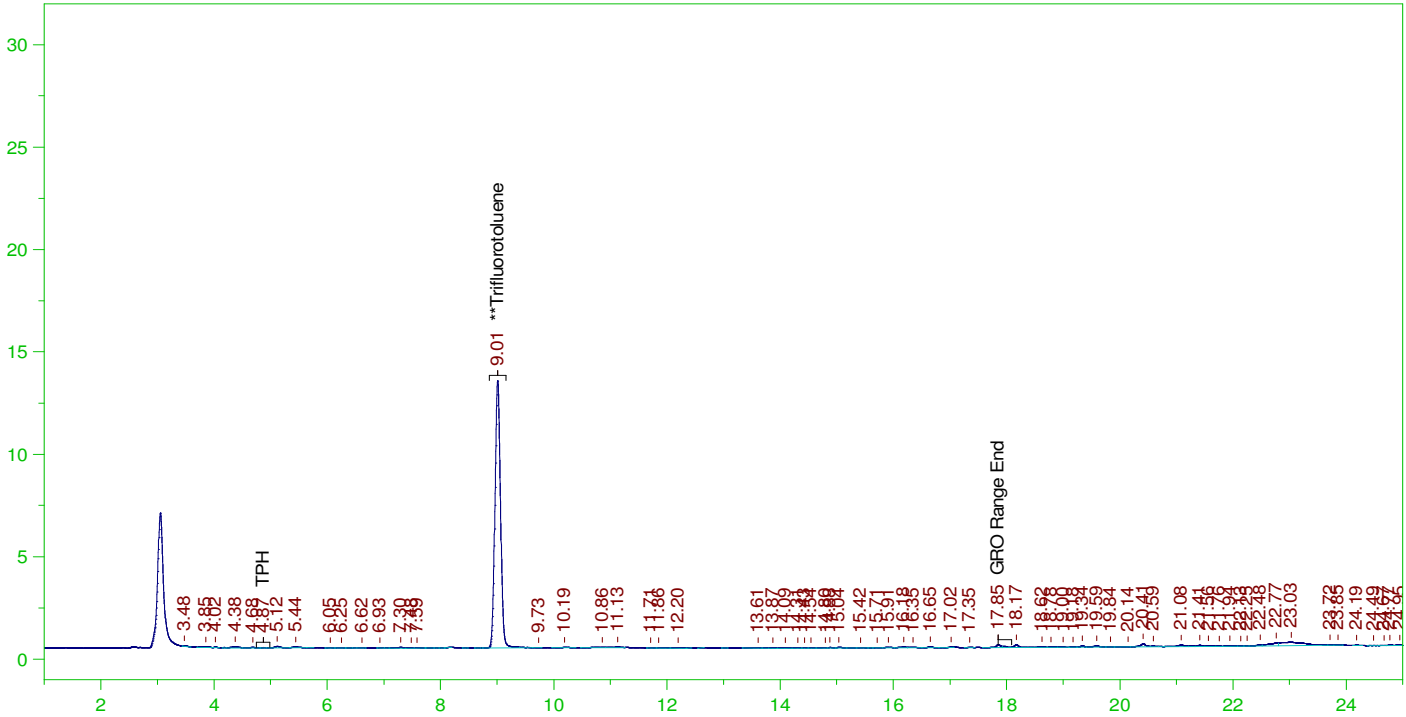
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
15075669	CCV_0307VAR	HC-8015-GRO-	CCV		3/8/2022 7:55:57	1	R375789		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	179.2396	179.2396		168	0	0	2.01	20	0	107%	80	120	0%	
Total Purgeable Hydrocarbons	A	ug/L	215.9921	215.9921		200	0	0	3.08	20	0	108%	80	120	0%	
Trifluorotoluene	S	ug/L	23.90296	23.90296		25	0	0	0.147	1	0	96%	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\VAR030722_b\0307VAR.01r		BLANK		G:\Org\VAR\Methods\21120	1	1	1	1	0
G:\Org\VAR\DAT\VAR030722_b\0307VAR.02r		BLANK		G:\Org\VAR\Methods\21120	1	1	1	1	0
G:\Org\VAR\DAT\VAR030722_b\0307VAR.03r		BLANK		G:\Org\VAR\Methods\21120	1	1	1	1	0
G:\Org\VAR\DAT\VAR030722_b\0307VAR.04r		BLANK		G:\Org\VAR\Methods\21120	1	1	1	1	0
G:\Org\VAR\DAT\VAR030722_b\0307VAR.05r		CCV_0307VAR05r, GQC :0307VAR ,		G:\Org\VAR\Methods\21120	1	1	1	1	0
G:\Org\VAR\DAT\VAR030722_b\0307VAR.06r		CCV_0307VAR06r, GQC :0307VAR ,		G:\Org\VAR\Methods\21120	1	1	1	1	0
G:\Org\VAR\DAT\VAR030722_b\0307VAR.07r		LCS_0307VAR07r, GQC :0307VAR ,		G:\Org\VAR\Methods\21120	5	1	1	1	0
G:\Org\VAR\DAT\VAR030722_b\0307VAR.08r		BLANK		G:\Org\VAR\Methods\21120	1	1	1	1	0
G:\Org\VAR\DAT\VAR030722_b\0307VAR.09r		MBLK_0307VAR09r, QC :0307VAR ,		G:\Org\VAR\Methods\21120	5	1	1	1	0
G:\Org\VAR\DAT\VAR030722_b\0307VAR.10r		B22030244-001F :0307VAR , \$HC-8015-GRO-W,		G:\Org\VAR\Methods\21120	5	1	1	1	0
G:\Org\VAR\DAT\VAR030722_b\0307VAR.11r		LCS_0307VAR11r, GQC :0307VAR ,		G:\Org\VAR\Methods\21120	5	1	1	1	0
G:\Org\VAR\DAT\VAR030722_b\0307VAR.12r		MBLK_0307VAR12r, QC :0307VAR ,		G:\Org\VAR\Methods\21120	5	1	1	1	0
G:\Org\VAR\DAT\VAR030722_b\0307VAR.13r		BLANK		G:\Org\VAR\Methods\21120	1	1	1	1	0
G:\Org\VAR\DAT\VAR030722_b\0307VAR.14r		B22030244-007F :0307VAR , \$HC-8015-GRO-W,		G:\Org\VAR\Methods\21120	5	1	1	1	0
G:\Org\VAR\DAT\VAR030722_b\0307VAR.15r		BLANK		G:\Org\VAR\Methods\21120	1	1	1	1	0
G:\Org\VAR\DAT\VAR030722_b\0307VAR.16r		B22030244-004A :0307VAR , \$HC-8015-GRO-W,		G:\Org\VAR\Methods\21120	5	1	1	1	0
G:\Org\VAR\DAT\VAR030722_b\0307VAR.17r		B22030244-009A :0307VAR , \$HC-8015-GRO-W,		G:\Org\VAR\Methods\21120	5	1	1	1	0
G:\Org\VAR\DAT\VAR030722_b\0307VAR.18r		B22030244-014A :0307VAR , \$HC-8015-GRO-W,		G:\Org\VAR\Methods\21120	5	1	1	1	0
G:\Org\VAR\DAT\VAR030722_b\0307VAR.19r		B22030244-019A :0307VAR , \$HC-8015-GRO-W,		G:\Org\VAR\Methods\21120	5	1	1	1	0
G:\Org\VAR\DAT\VAR030722_b\0307VAR.20r		B22030244-024A :0307VAR , \$HC-8015-GRO-W,		G:\Org\VAR\Methods\21120	5	1	1	1	0
G:\Org\VAR\DAT\VAR030722_b\0307VAR.21r		B22030244-029A :0307VAR , \$HC-8015-GRO-W,		G:\Org\VAR\Methods\21120	5	1	1	1	0
G:\Org\VAR\DAT\VAR030722_b\0307VAR.22r		B22030244-034A :0307VAR , \$HC-8015-GRO-W,		G:\Org\VAR\Methods\21120	5	1	1	1	0
G:\Org\VAR\DAT\VAR030722_b\0307VAR.23r		CCV_0307VAR23r, GQC :0307VAR ,		G:\Org\VAR\Methods\21120	1	1	1	1	0
G:\Org\VAR\DAT\VAR030722_b\0307VAR.24r		CCV_0307VAR24r, GQC :0307VAR ,		G:\Org\VAR\Methods\21120	1	1	1	1	0
G:\Org\VAR\DAT\VAR030722_b\0307VAR.25r		LCS_0307VAR25r, GQC :0307VAR ,		G:\Org\VAR\Methods\21120	5	1	1	1	0
G:\Org\VAR\DAT\VAR030722_b\0307VAR.26r		BLANK		G:\Org\VAR\Methods\21120	1	1	1	1	0
G:\Org\VAR\DAT\VAR030722_b\0307VAR.27r		MBLK_0307VAR27r, QC :0307VAR ,		G:\Org\VAR\Methods\21120	5	1	1	1	0
G:\Org\VAR\DAT\VAR030722_b\0307VAR.28r		B22030244-039A :0307VAR , \$HC-8015-GRO-W,		G:\Org\VAR\Methods\21120	5	1	1	1	0
G:\Org\VAR\DAT\VAR030722_b\0307VAR.29r		B22030244-044A :0307VAR , \$HC-8015-GRO-W,		G:\Org\VAR\Methods\21120	5	1	1	1	0
G:\Org\VAR\DAT\VAR030722_b\0307VAR.30r		B22030244-049A :0307VAR , \$HC-8015-GRO-W,		G:\Org\VAR\Methods\21120	5	1	1	1	0
G:\Org\VAR\DAT\VAR030722_b\0307VAR.31r		B22030244-001F :0307VAR , \$HC-8015-GRO-W,		G:\Org\VAR\Methods\21120	5	1	1	1	0
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G:\Org\VAR\DAT\VAR030722_b\0307VAR.33r		B22030244-002C :0307VAR , \$HC-8015-GRO-W,		G:\Org\VAR\Methods\21120	5	1	1	1	0
G:\Org\VAR\DAT\VAR030722_b\0307VAR.34r		BLANK		G:\Org\VAR\Methods\21120	1	1	1	1	0
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G:\Org\VAR\DAT\VAR030722_b\0307VAR.36r		BLANK		G:\Org\VAR\Methods\21120	1	1	1	1	0
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G:\Org\VAR\DAT\VAR030722_b\0307VAR.40r		BLANK		G:\Org\VAR\Methods\21120	1	1	1	1	0
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G:\Org\VAR\DAT\VAR030722_b\0307VAR.42r		BLANK		G:\Org\VAR\Methods\21120	1	1	1	1	0
G:\Org\VAR\DAT\VAR030722_b\0307VAR.43r		CCV_0307VAR43r, GQC :0307VAR ,		G:\Org\VAR\Methods\21120	1	1	1	1	0
G:\Org\VAR\DAT\VAR030722_b\0307VAR.44r		CCV_0307VAR44r, GQC :0307VAR ,		G:\Org\VAR\Methods\21120	1	1	1	1	0
G:\Org\VAR\DAT\VAR030722_b\0307VAR.45r		LCS_0307VAR45r, GQC :0307VAR ,		G:\Org\VAR\Methods\21120	5	1	1	1	0
G:\Org\VAR\DAT\VAR030722_b\0307VAR.46r		BLANK		G:\Org\VAR\Methods\21120	1	1	1	1	0
G:\Org\VAR\DAT\VAR030722_b\0307VAR.47r		MBLK_0307VAR47r, QC :0307VAR ,		G:\Org\VAR\Methods\21120	5	1	1	1	0
G:\Org\VAR\DAT\VAR030722_b\0307VAR.48r		B22030244-007FMS, GQC :0307VAR , \$HC-8015-GRO-W,		G:\Org\VAR\Methods\21120	5	1	1	1	0

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G:\Org\VAR\DAT\VAR030722_b\0307VAR.50r	BLANK	G:\Org\VAR\Methods\21120	1	1	1	1	0
G:\Org\VAR\DAT\VAR030722_b\0307VAR.51r	B22030244-037F ;0307VAR , \$HC-8015-GRO-W,	G:\Org\VAR\Methods\21120	5	1	1	1	0
G:\Org\VAR\DAT\VAR030722_b\0307VAR.52r	BLANK	G:\Org\VAR\Methods\21120	1	1	1	1	0
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G:\Org\VAR\DAT\VAR030722_b\0307VAR.54r	BLANK	G:\Org\VAR\Methods\21120	1	1	1	1	0
G:\Org\VAR\DAT\VAR030722_b\0307VAR.55r	B22030244-047F ;0307VAR , \$HC-8015-GRO-W,	G:\Org\VAR\Methods\21120	5	1	1	1	0
G:\Org\VAR\DAT\VAR030722_b\0307VAR.56r	BLANK	G:\Org\VAR\Methods\21120	1	1	1	1	0
G:\Org\VAR\DAT\VAR030722_b\0307VAR.57r	B22030244-012F ;0307VAR , \$HC-8015-GRO-W,	G:\Org\VAR\Methods\21120	5	1	1	1	0
G:\Org\VAR\DAT\VAR030722_b\0307VAR.58r	BLANK	G:\Org\VAR\Methods\21120	1	1	1	1	0
G:\Org\VAR\DAT\VAR030722_b\0307VAR.59r	B22030244-042FMS, GQC ;0307VAR , \$HC-8015-GRO-W,	G:\Org\VAR\Methods\21120	5	1	1	1	0
G:\Org\VAR\DAT\VAR030722_b\0307VAR.60r	B22030244-042FMSD, GQC ;0307VAR , \$HC-8015-GRO-W,	G:\Org\VAR\Methods\21120	5	1	1	1	0
G:\Org\VAR\DAT\VAR030722_b\0307VAR.61r	BLANK	G:\Org\VAR\Methods\21120	1	1	1	1	0
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G:\Org\VAR\DAT\VAR030722_b\0307VAR.63r	CCV_0307VAR63r, GQC ;0307VAR ,	G:\Org\VAR\Methods\21120	1	1	1	1	0
G:\Org\VAR\DAT\VAR030722_b\0307VAR.64r	CCV_0307VAR64r, GQC ;0307VAR ,	G:\Org\VAR\Methods\21120	1	1	1	1	0
G:\Org\VAR\DAT\VAR030722_b\0307VAR.65r	BLANK	G:\Org\VAR\Methods\21120	1	1	1	1	0

G:\Org\VAR\DAT\VAR030722_b\0307VARB.0001.RAW

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GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\VAR\DAT\VAR030722_b\0307VARB.0001.RAW
 Date & Time Acquired: 3/7/2022 7:46:08 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

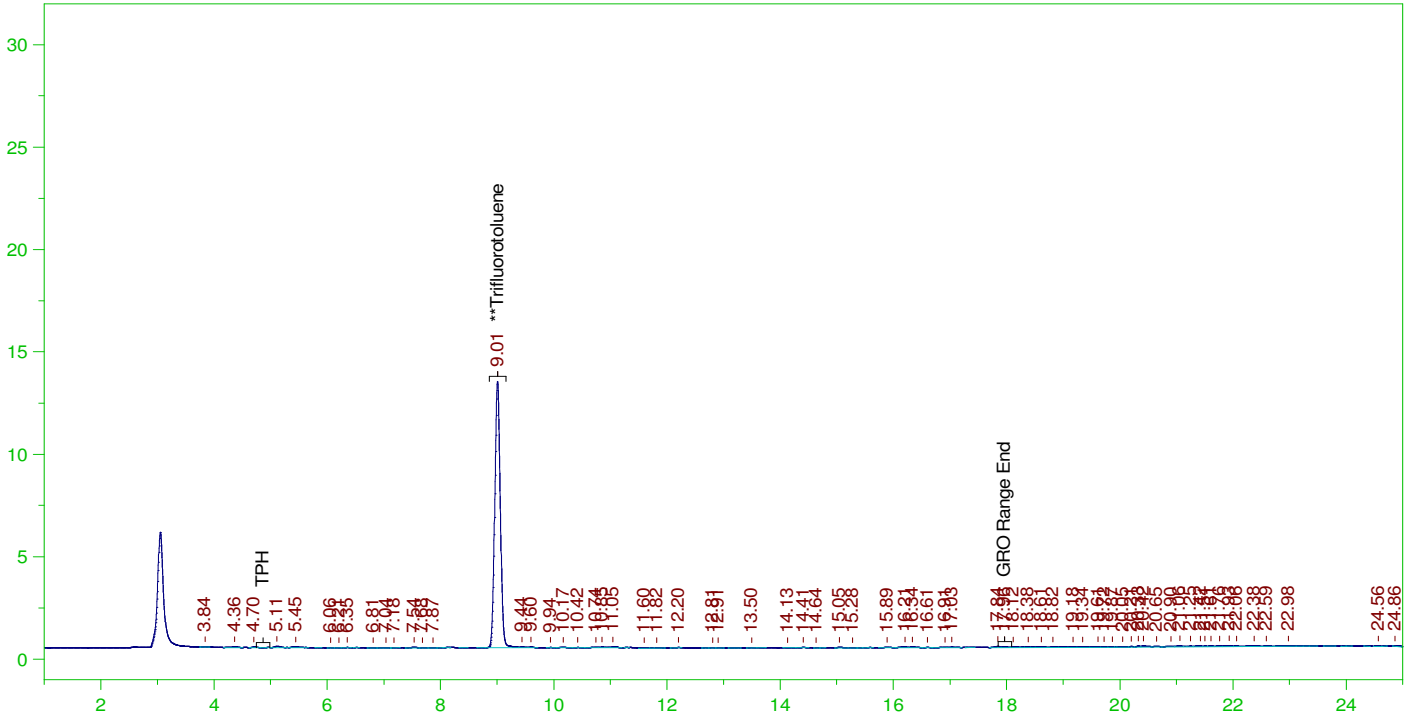
Mean RF for C6 to C10: 979.9788
 Mean RF for TPH: 955.6747
 Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.011	125.	97.114	77.69

C6 to C10 Area:7282.691 C6 to C10 Amount: 7.431479
 TPH Area:22696.38 TPH Amount: 23.74906

G:\Org\VAR\DAT\VAR030722_b\0307VARB.0002.RAW

BLANK



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\VAR\DAT\VAR030722_b\0307VARB.0002.RAW
 Date & Time Acquired: 3/7/2022 8:20:07 AM
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 Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

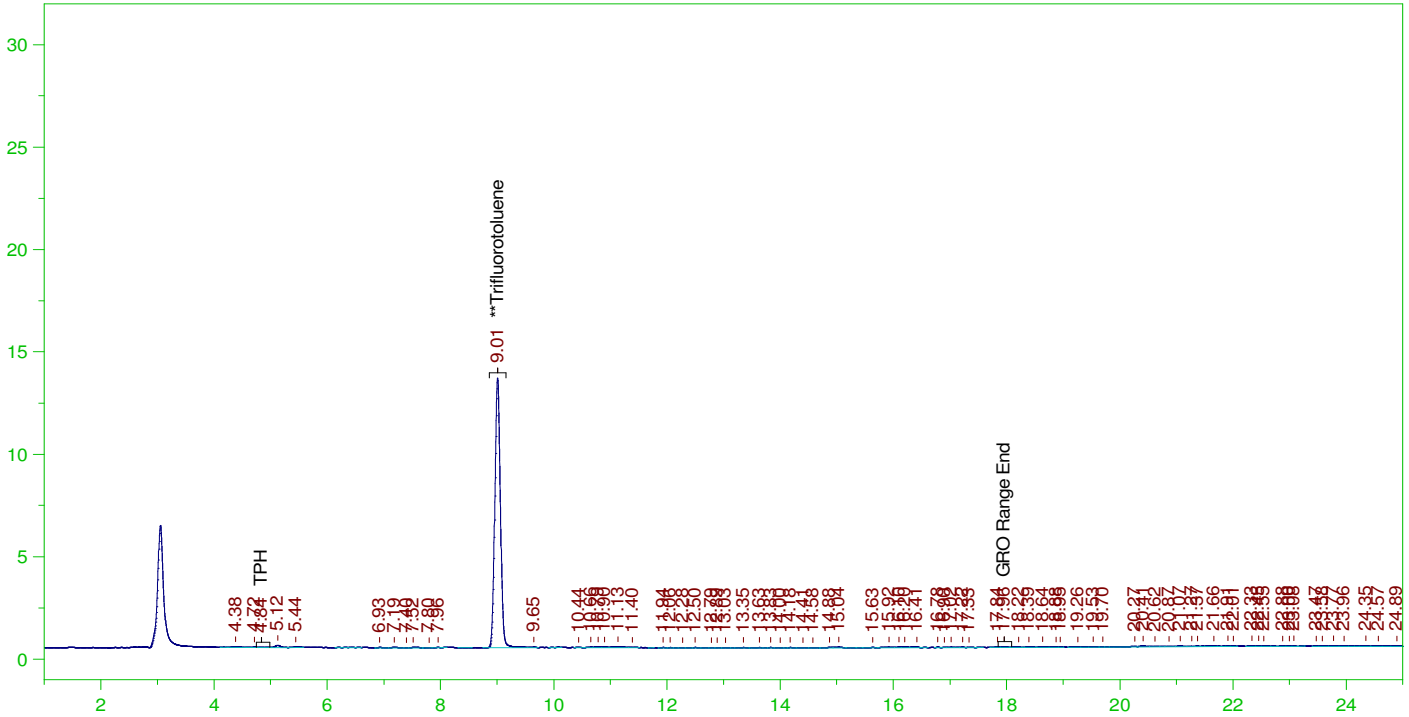
Mean RF for C6 to C10: 979.9788
 Mean RF for TPH: 955.6747
 Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.007	125.	96.62	77.3

C6 to C10 Area:6457.215 C6 to C10 Amount: 6.589137
 TPH Area:13099.01 TPH Amount: 13.70655

G:\Org\VAR\DAT\VAR030722_b\0307VARB.0003.RAW

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GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\VAR\DAT\VAR030722_b\0307VARB.0003.RAW
 Date & Time Acquired: 3/7/2022 8:54:08 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

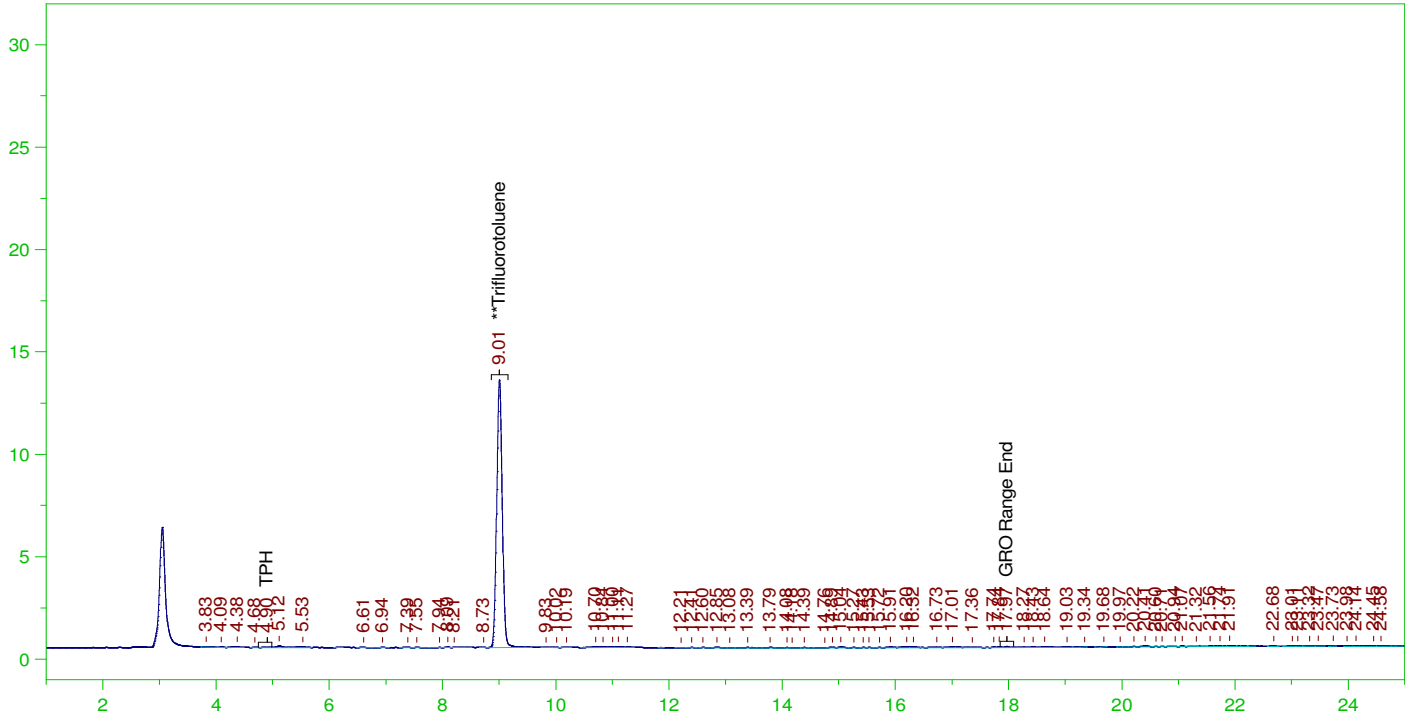
Mean RF for C6 to C10: 979.9788
 Mean RF for TPH: 955.6747
 Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.009	125.	98.265	78.61

C6 to C10 Area: 7439.981 C6 to C10 Amount: 7.591982
 TPH Area: 13207.97 TPH Amount: 13.82057

G:\Org\VAR\DAT\VAR030722_b\0307VARB.0004.RAW

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GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\VAR\DAT\VAR030722_b\0307VARB.0004.RAW
 Date & Time Acquired: 3/7/2022 9:28:06 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

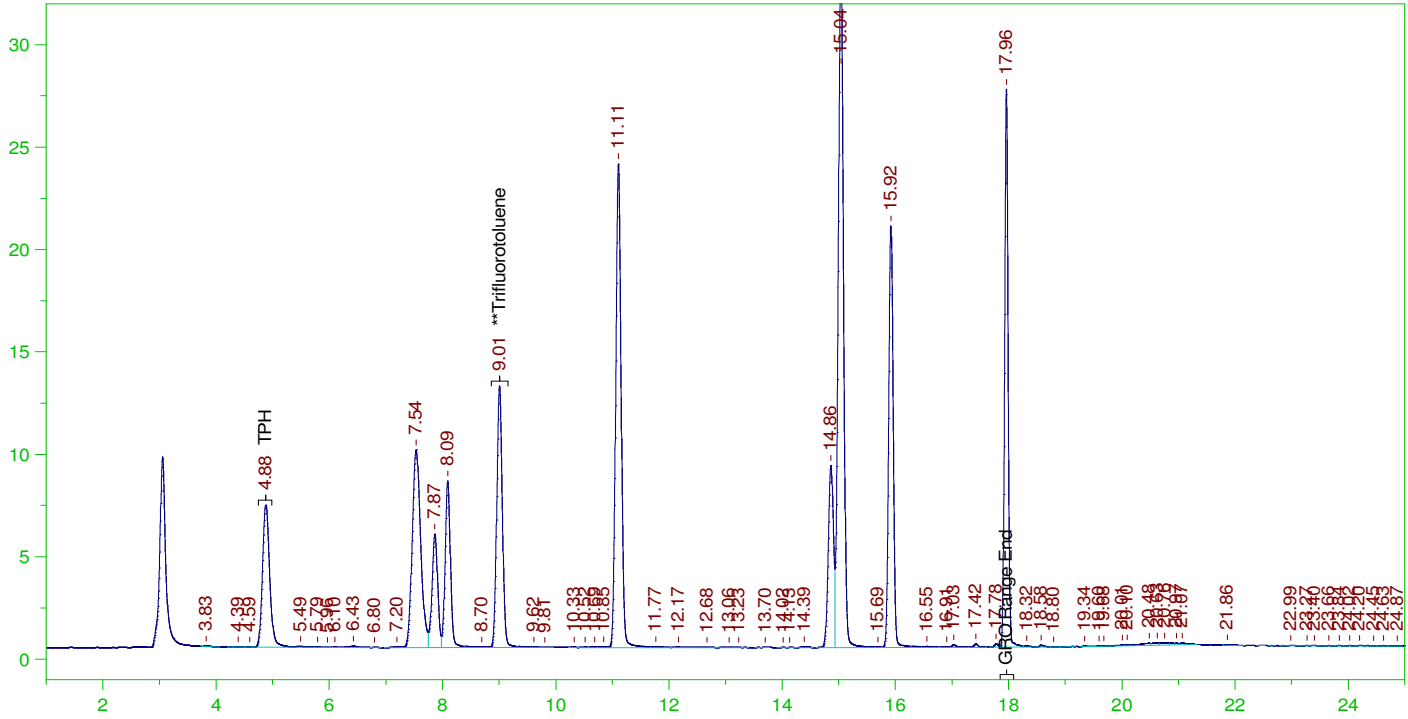
Mean RF for C6 to C10: 979.9788
 Mean RF for TPH: 955.6747
 Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.007	125.	97.055	77.64

C6 to C10 Area:7305.795 C6 to C10 Amount: 7.455054
 TPH Area:12102.75 TPH Amount: 12.66408

G:\Org\VAR\DAT\VAR030722_b\0307VARB.0005.RAW

CCV_0307VAR05r, GQC ;0307VAR ,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_0307VAR05r, GQC ;0307VAR ,
Raw File: G:\Org\VAR\DAT\VAR030722_b\0307VARB.0005.RAW
Date & Time Acquired: 3/7/2022 10:02:11 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.	95.212	76.17

C6 to C10 Area:930442.1 C6 to C10 Amount: 949.4512
TPH Area:939856.1 TPH Amount: 983.4478

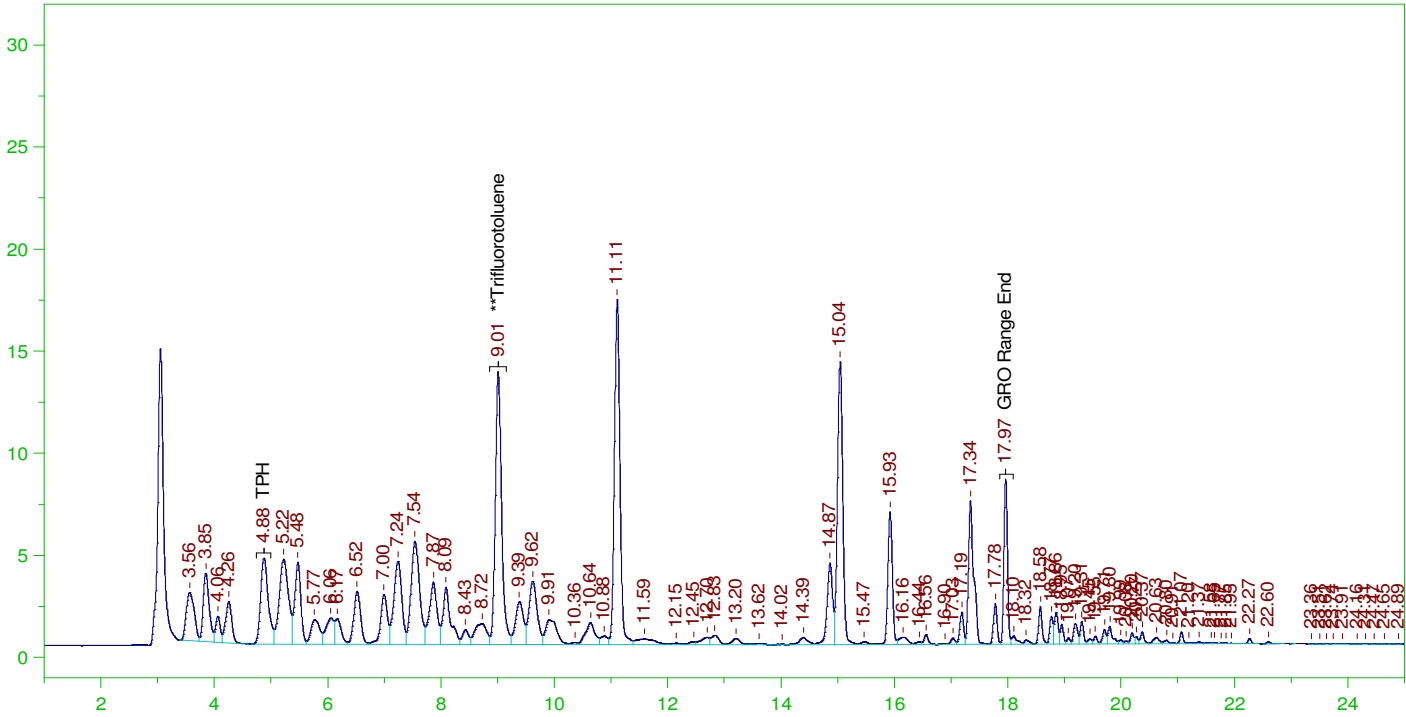
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COMPOUND	ACTUAL (NG)	MEASURED (NG)	%RECOVERY	LIMITS
C6 to C10	840.	949.45	113.03	85-115
TPH	1000.	983.45	98.34	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	9.008	125.	95.212	76.17	85-115

G:\Org\VAR\DAT\VAR030722_b\0307VARB.0006.RAW

CCV_0307VAR06r, GQC ;0307VAR ,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_0307VAR06r, GQC ;0307VAR ,
Raw File: G:\Org\VAR\DAT\VAR030722_b\0307VARB.0006.RAW
Date & Time Acquired: 3/7/2022 10:36:14 AM
Method File: G:\Org\VAR\Methods\211208GCCCV0307_06DoDB%.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	9.01	125.	111.512	89.21	-

C6 to C10 Area:865339.4 C6 to C10 Amount: 883.0185
TPH Area:1010730 TPH Amount: 1057.608

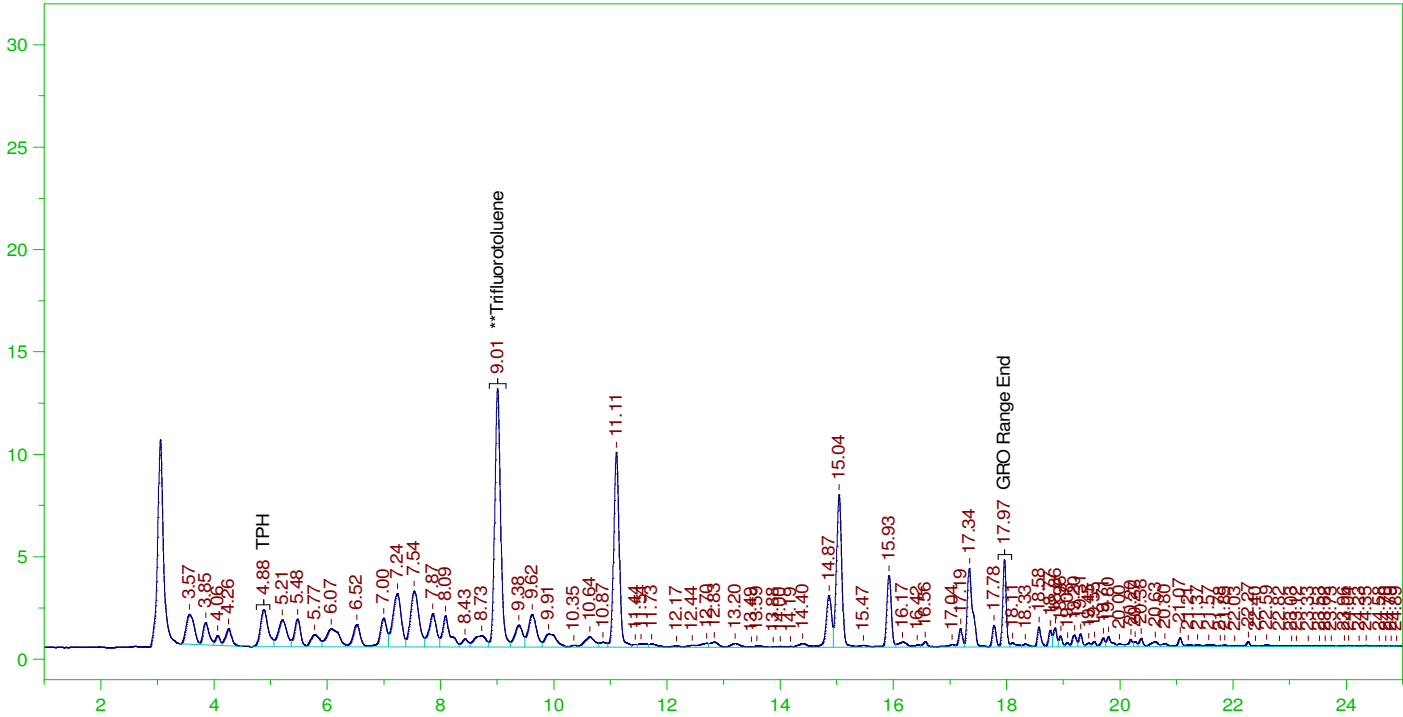
CONTINUING CALIBRATION REPORT: G:\Org\VAR\DAT\VAR030722_b\0307VARB.0006.RAW

COMPOUND	ACTUAL (NG)	MEASURED (NG)	%RECOVERY	LIMITS
C6 to C10	840.	883.02	105.12	85-115
TPH	1000.	1057.61	105.76	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	9.01	125.	111.512	89.21	85-115

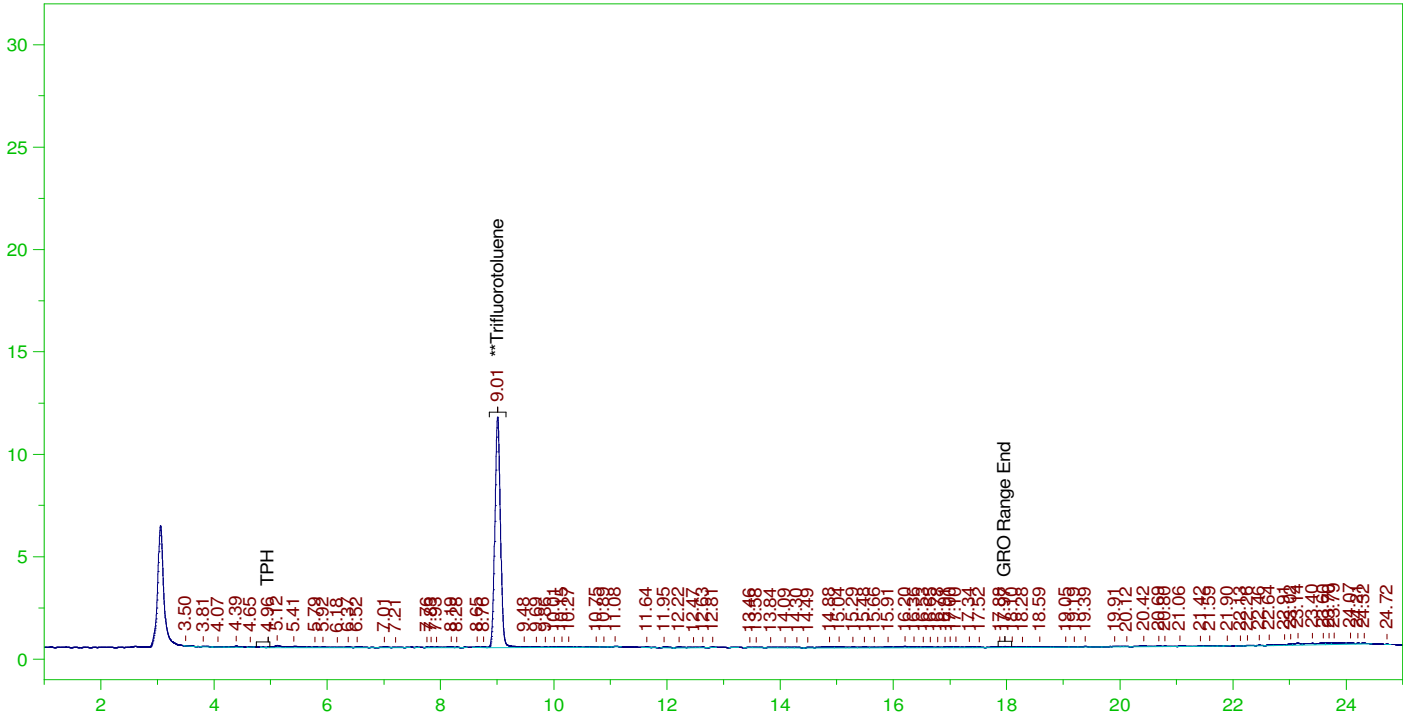
G:\Org\VAR\DAT\VAR030722_b\0307VARB.0007.RAW

LCS_0307VAR07r, GQC ;0307VAR ,



G:\Org\VAR\DAT\VAR030722_b\0307VARB.0008.RAW

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GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\VAR\DAT\VAR030722_b\0307VARB.0008.RAW
 Date & Time Acquired: 3/7/2022 11:44:21 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

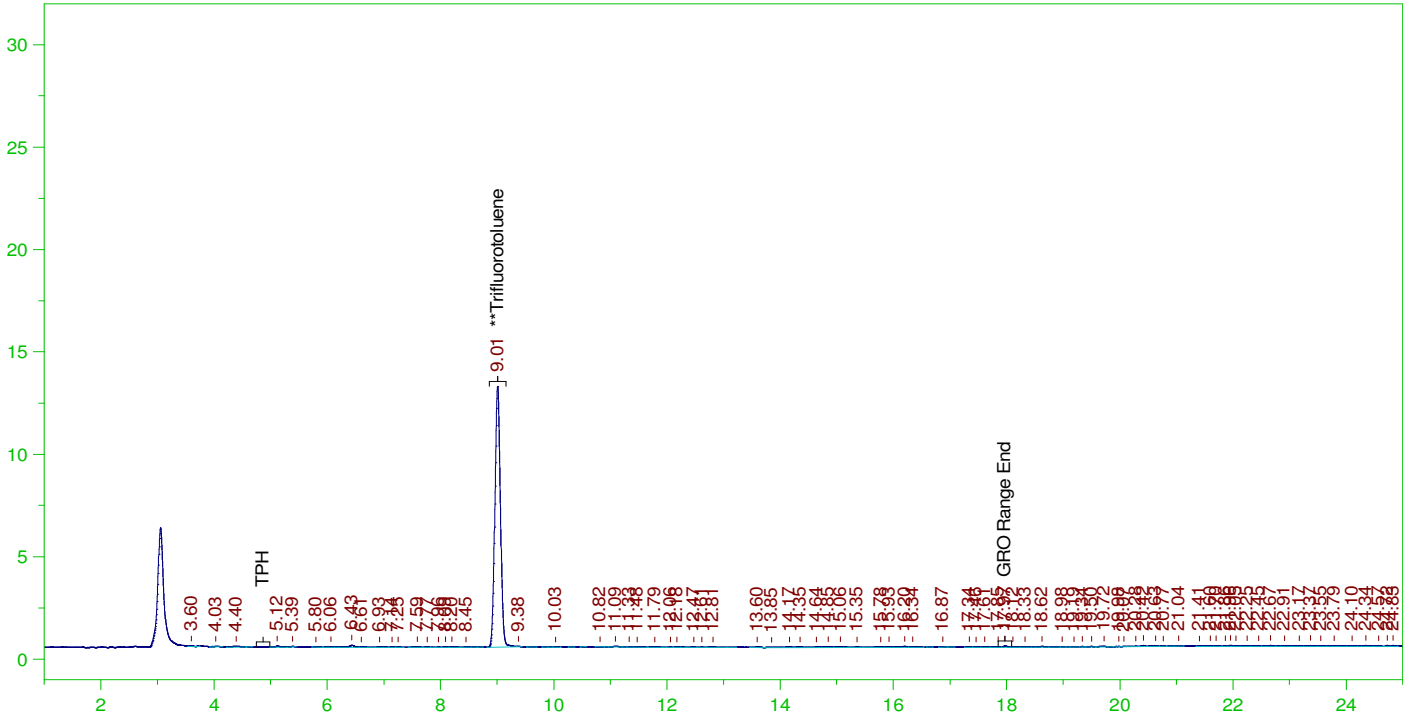
Mean RF for C6 to C10: 979.9788
 Mean RF for TPH: 955.6747
 Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.01	125.	83.822	67.06

C6 to C10 Area:13351.25 C6 to C10 Amount: 13.62402
 TPH Area:24339.02 TPH Amount: 25.46789

G:\Org\VAR\DAT\VAR030722_b\0307VARB.0009.RAW

MBLK_0307VAR09r, QC ;0307VAR ,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: MBLK_0307VAR09r, QC ;0307VAR ,
Raw File: G:\Org\VAR\DAT\VAR030722_b\0307VARB.0009.RAW
Date & Time Acquired: 3/7/2022 12:18:27 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	9.01	25.	18.896	75.58

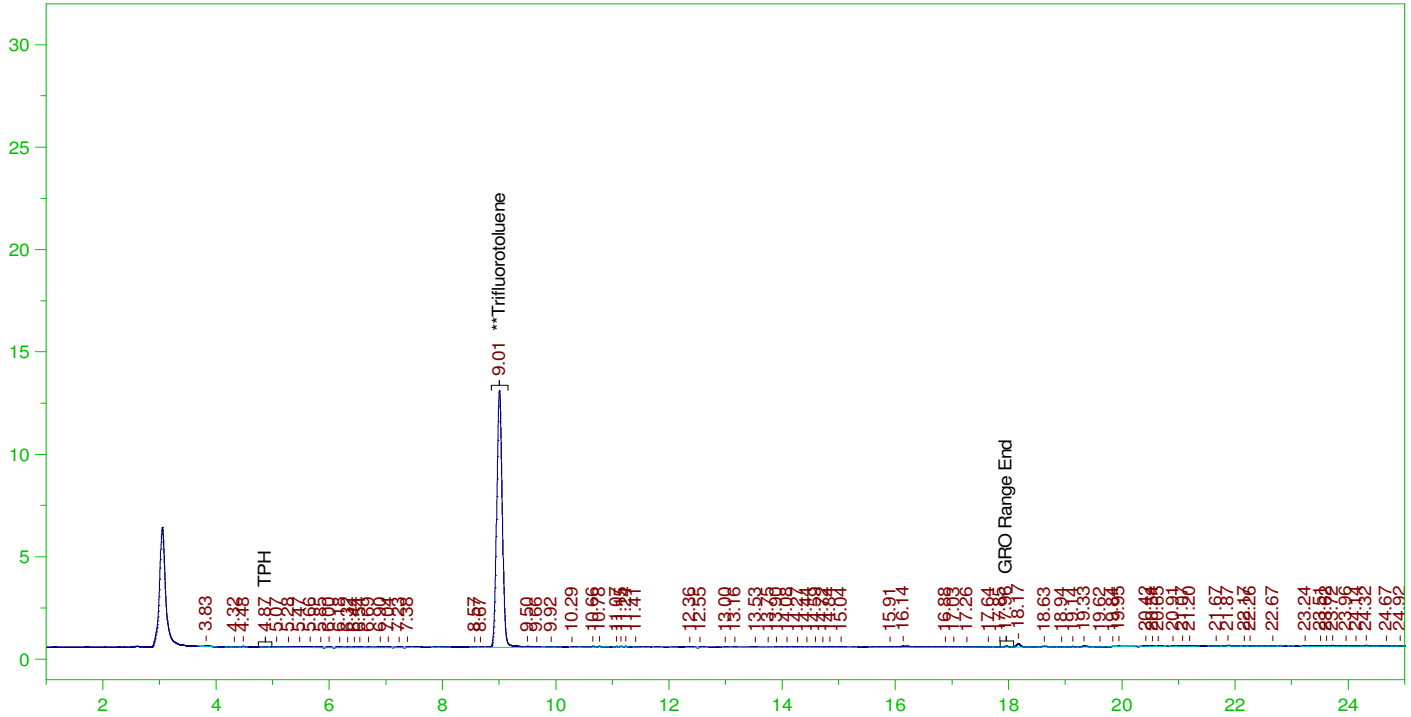
C6 to C10 Area:7480.653 C6 to C10 Amount: 1.526697
TPH Area:15542.91 TPH Amount: 3.252762



ERH2607 (OWDFMW08A)

G:\Org\VAR\DAT\VAR030722_b\0307VARB.0010.RAW

B22030244-001F ;0307VAR , \$HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22030244-001F ;0307VAR , \$HC-8015-GRO-W,
 Raw File: G:\Org\VAR\DAT\VAR030722_b\0307VARB.0010.RAW
 Date & Time Acquired: 3/7/2022 12:52:37 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

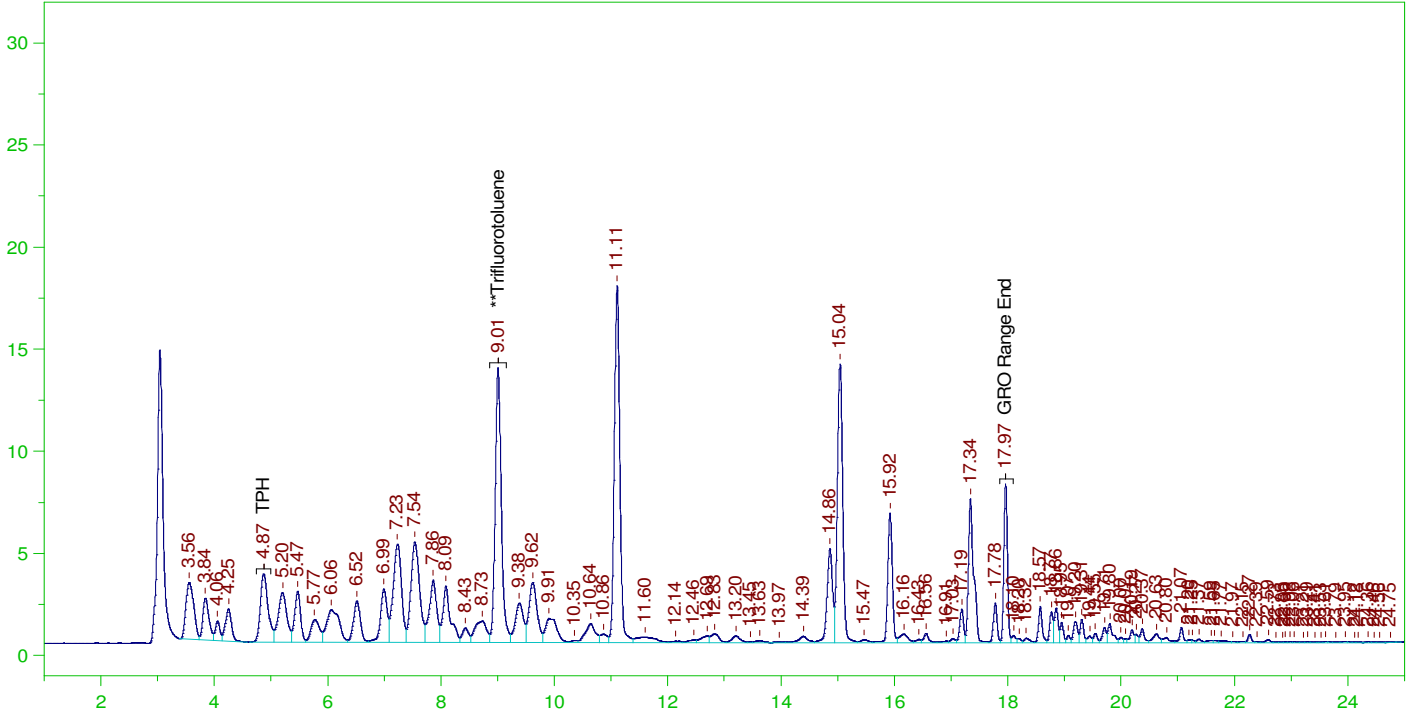
Mean RF for C6 to C10: 979.9788
 Mean RF for TPH: 955.6747
 Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.007	25.	18.791	75.16

C6 to C10 Area:8038.156 C6 to C10 Amount: 1.640476
 TPH Area:14034.08 TPH Amount: 2.936999

G:\Org\VAR\DAT\VAR030722_b\0307VARB.0011.RAW

LCS_0307VAR11r, GQC ;0307VAR ,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: LCS_0307VAR11r, GQC ;0307VAR ,
 Raw File: G:\Org\VAR\DAT\VAR030722_b\0307VARB.0011.RAW
 Date & Time Acquired: 3/7/2022 1:26:40 PM
 Method File: G:\Org\VAR\Methods\211208GLCS0307_11DoDB%.MET
 Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
 Sample Weight: 5 Dilution: 1 S.A.: 1

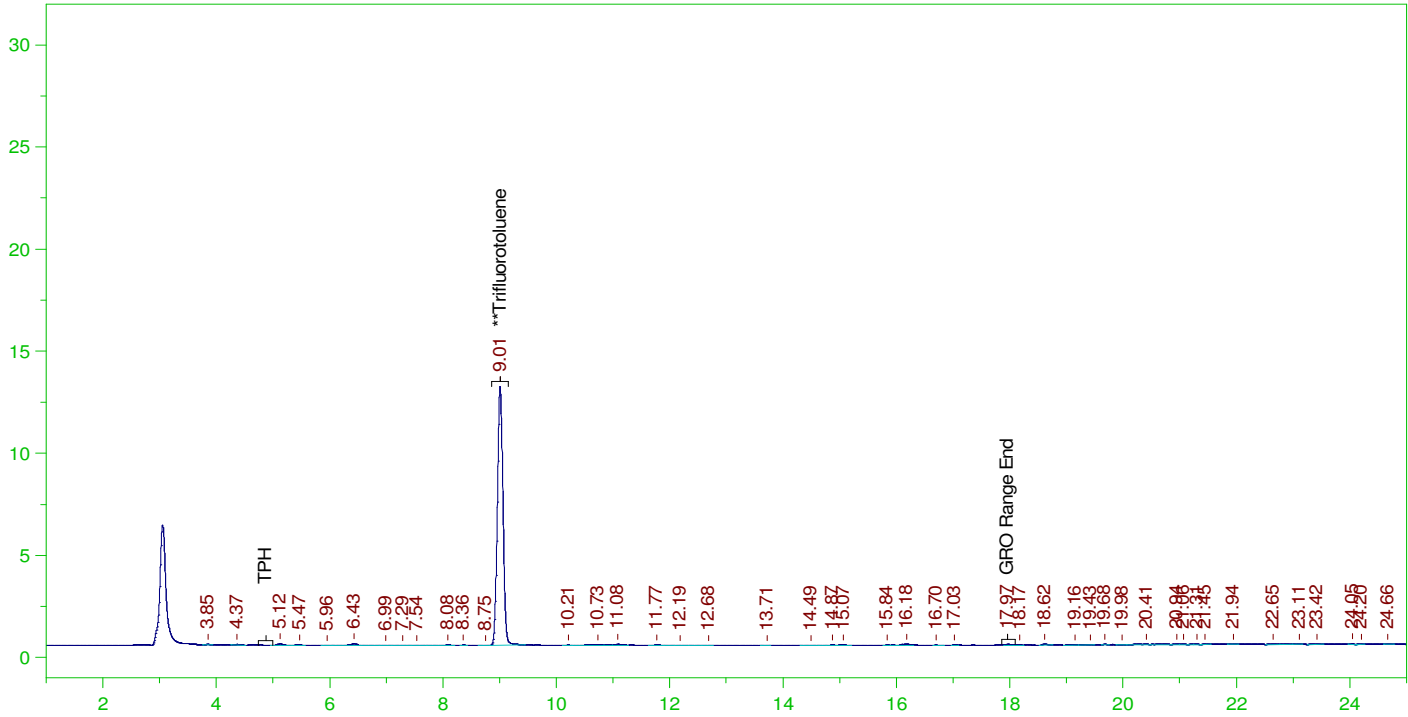
Mean RF for C6 to C10: 979.9788
 Mean RF for TPH: 955.6747
 Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.007	25.	21.936	87.75

C6 to C10 Area:823737.6 C6 to C10 Amount: 168.1134
 TPH Area:971327.9 TPH Amount: 203.2758

G:\Org\VAR\DAT\VAR030722_b\0307VARB.0012.RAW

MBLK_0307VAR12r, QC ;0307VAR ,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: MBLK_0307VAR12r, QC ;0307VAR ,
Raw File: G:\Org\VAR\DAT\VAR030722_b\0307VARB.0012.RAW
Date & Time Acquired: 3/7/2022 2:00:45 PM
Method File: G:\Org\VAR\Methods\211208GMB0307_12DoDB%.MET
Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

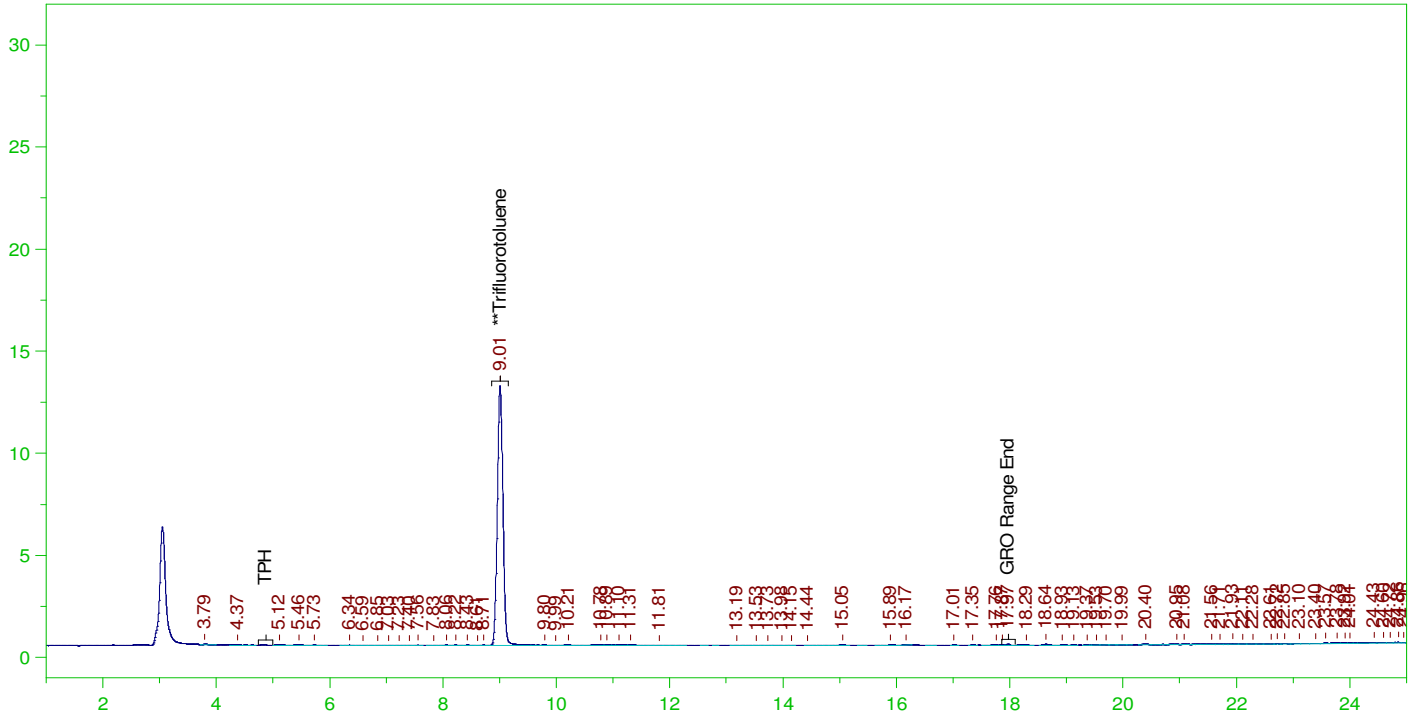
Mean RF for C6 to C10: 979.9788
Mean RF for TPH: 955.6747
Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.008	25.	18.848	75.39

C6 to C10 Area:6235.716 C6 to C10 Amount: 1.272623
TPH Area:9271.466 TPH Amount: 1.940297

G:\Org\VAR\DAT\VAR030722_b\0307VARB.0013.RAW

BLANK



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\VAR\DAT\VAR030722_b\0307VARB.0013.RAW
 Date & Time Acquired: 3/7/2022 2:34:50 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

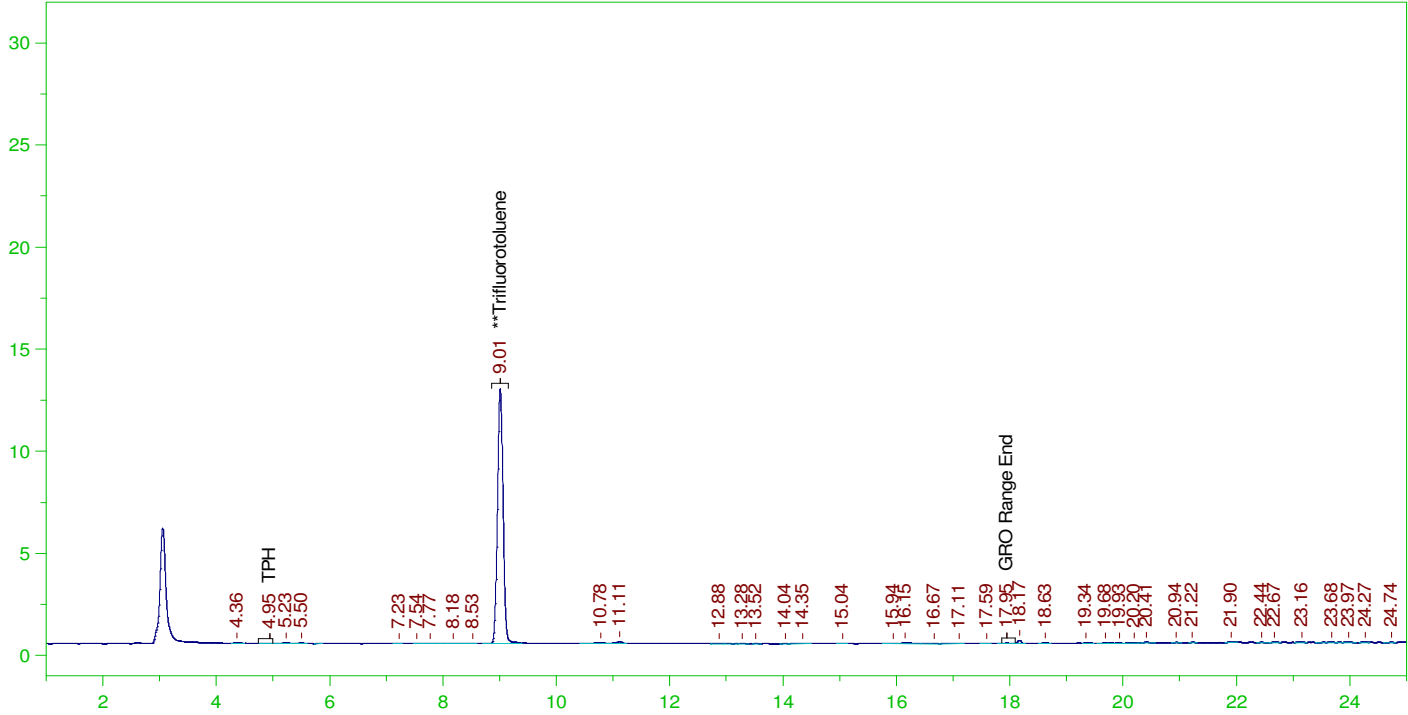
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.007	125.	95.405	76.32

C6 to C10 Area:7222.306 C6 to C10 Amount: 7.369859
 TPH Area:14681.62 TPH Amount: 15.36257

ERH2605 (OWDFMW07A)

G:\Org\VAR\DAT\VAR030722_b\0307VARB.0014.RAW

B22030244-007F ;0307VAR , \$HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22030244-007F ;0307VAR , \$HC-8015-GRO-W,
Raw File: G:\Org\VAR\DAT\VAR030722_b\0307VARB.0014.RAW
Date & Time Acquired: 3/7/2022 3:08:50 PM
Method File: G:\Org\VAR\Methods\211208G244-7DoDB%.MET
Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

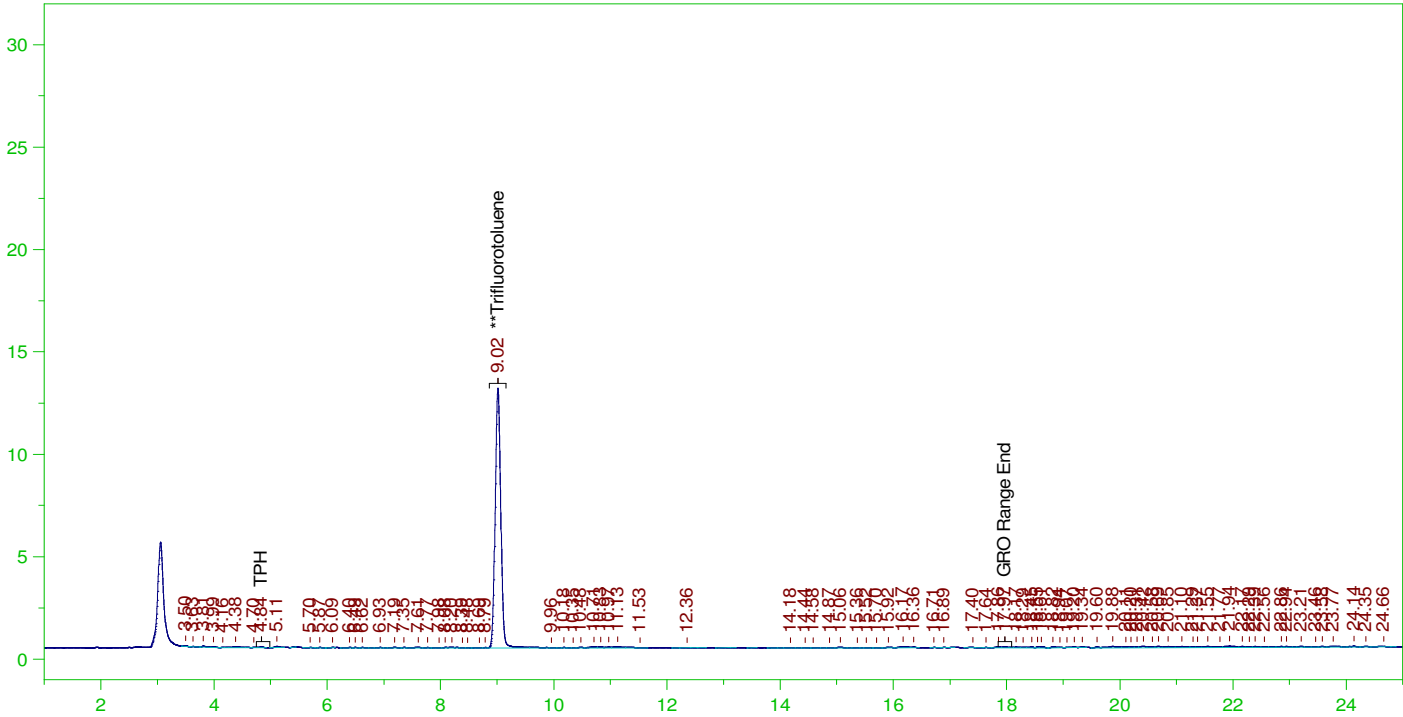
Mean RF for C6 to C10: 979.9788
Mean RF for TPH: 955.6747
Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.01	25.	18.573	74.29

C6 to C10 Area:4718.925 C6 to C10 Amount: 0.9630668
TPH Area:7943.231 TPH Amount: 1.66233

G:\Org\VAR\DAT\VAR030722_b\0307VARB.0015.RAW

BLANK



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\VAR\DAT\VAR030722_b\0307VARB.0015.RAW
 Date & Time Acquired: 3/7/2022 4:05:33 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

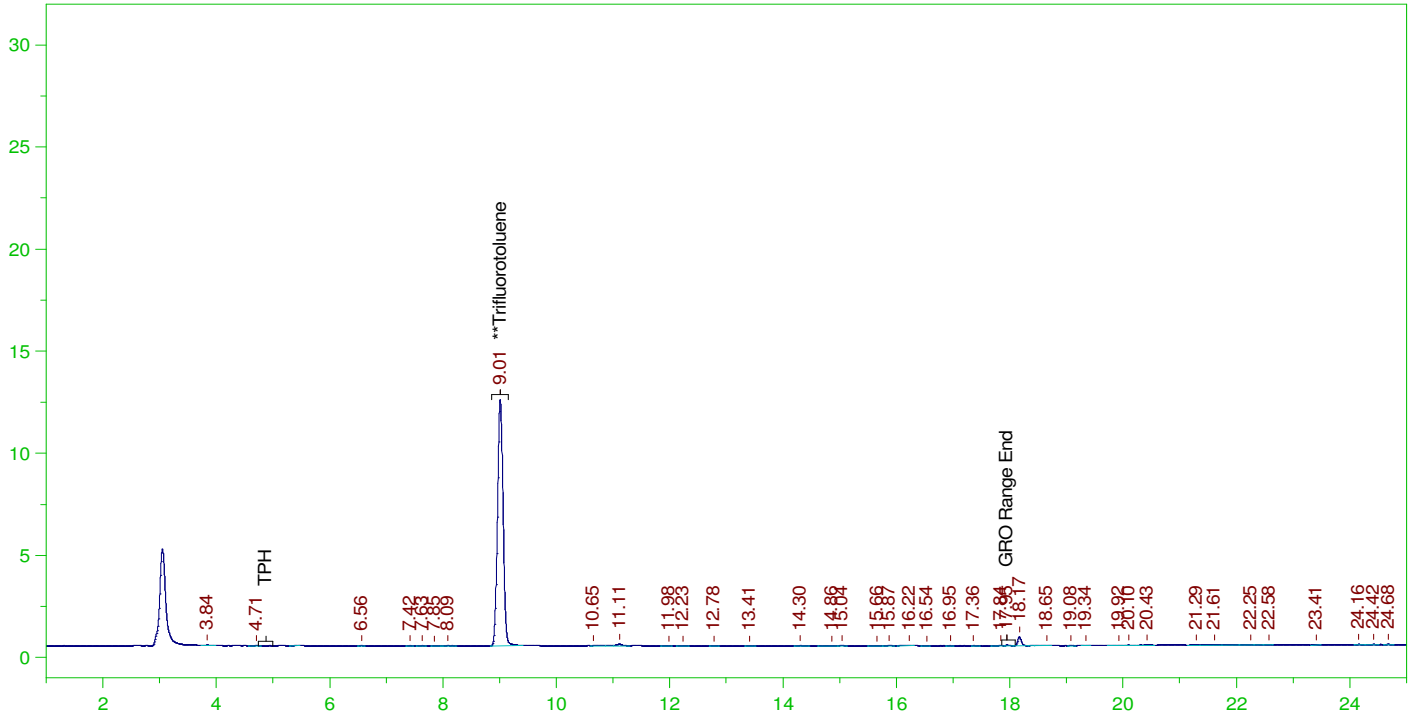
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.015	125.	95.215	76.17

C6 to C10 Area:8477.661 C6 to C10 Amount: 8.650862
 TPH Area:20244.41 TPH Amount: 21.18337

ERH2606 Trip Blank-14894

G:\Org\VAR\DAT\VAR030722_b\0307VARB.0016.RAW

B22030244-004A ;0307VAR , \$HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22030244-004A ;0307VAR , \$HC-8015-GRO-W,
Raw File: G:\Org\VAR\DAT\VAR030722_b\0307VARB.0016.RAW
Date & Time Acquired: 3/7/2022 4:39:36 PM
Method File: G:\Org\VAR\Methods\211208G244-4DoDB%.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

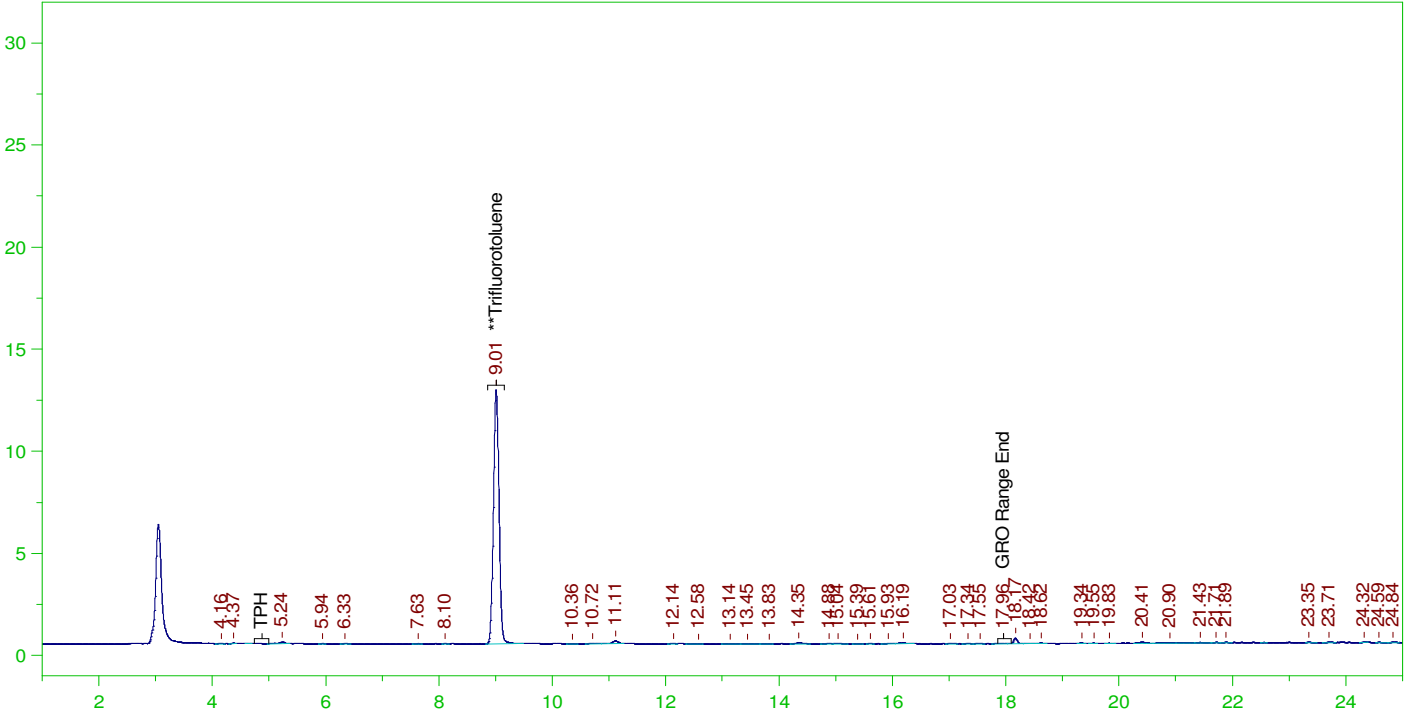
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.01	25.	17.865	71.46

C6 to C10 Area:3395.056 C6 to C10 Amount: 0.6928836
TPH Area:7925.915 TPH Amount: 1.658706

ERH2604 Trip Blank-14754

G:\Org\VAR\DAT\VAR030722_b\0307VARB.0017.RAW

B22030244-009A ;0307VAR , \$HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22030244-009A ;0307VAR , \$HC-8015-GRO-W,
Raw File: G:\Org\VAR\DAT\VAR030722_b\0307VARB.0017.RAW
Date & Time Acquired: 3/7/2022 5:13:37 PM
Method File: G:\Org\VAR\Methods\211208G244-9DoDB%.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

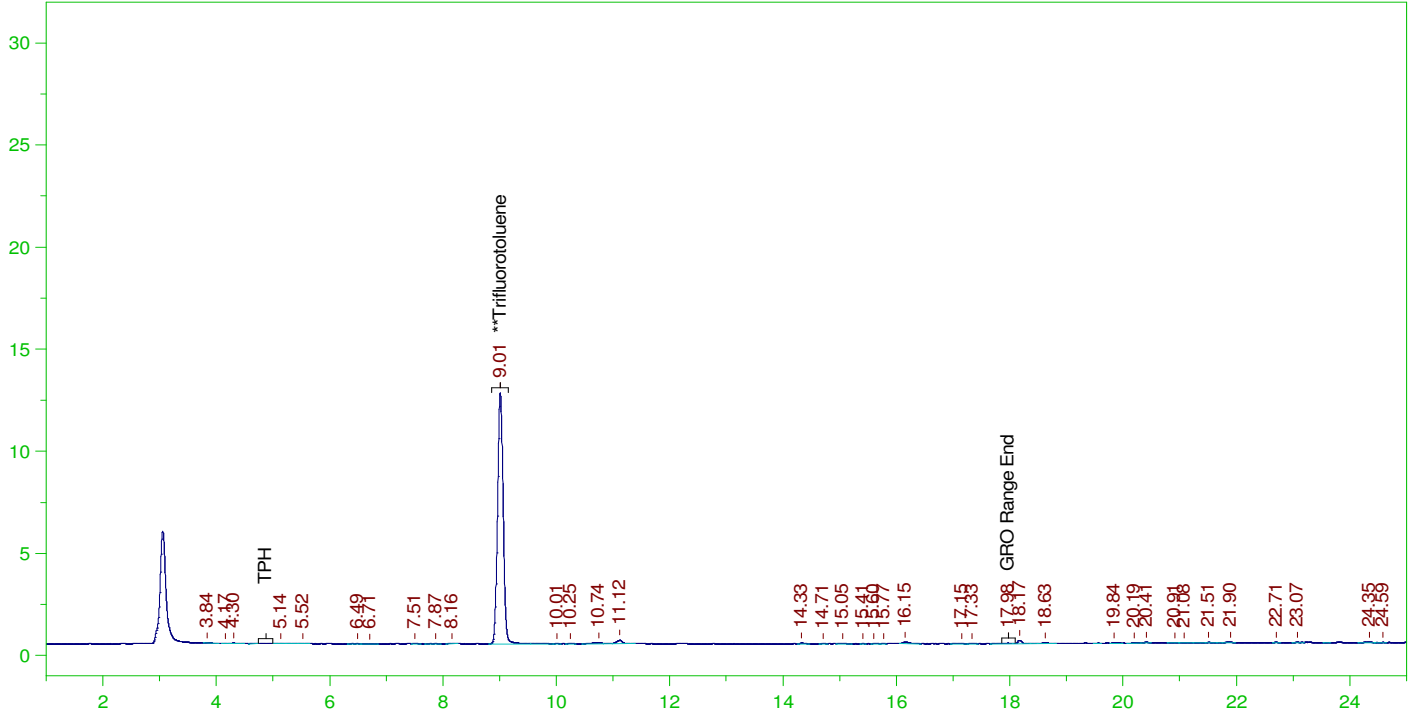
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.009	25.	18.492	73.97

C6 to C10 Area:5075.891 C6 to C10 Amount: 1.035918
TPH Area:9177.782 TPH Amount: 1.920692

ERH2572 Trip Blank-14894

G:\Org\VAR\DAT\VAR030722_b\0307VARB.0018.RAW

B22030244-014A ;0307VAR , \$HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22030244-014A ;0307VAR , \$HC-8015-GRO-W,
Raw File: G:\Org\VAR\DAT\VAR030722_b\0307VARB.0018.RAW
Date & Time Acquired: 3/7/2022 5:47:40 PM
Method File: G:\Org\VAR\Methods\211208G244-14DoDB%.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	9.011	25.	18.402	73.61

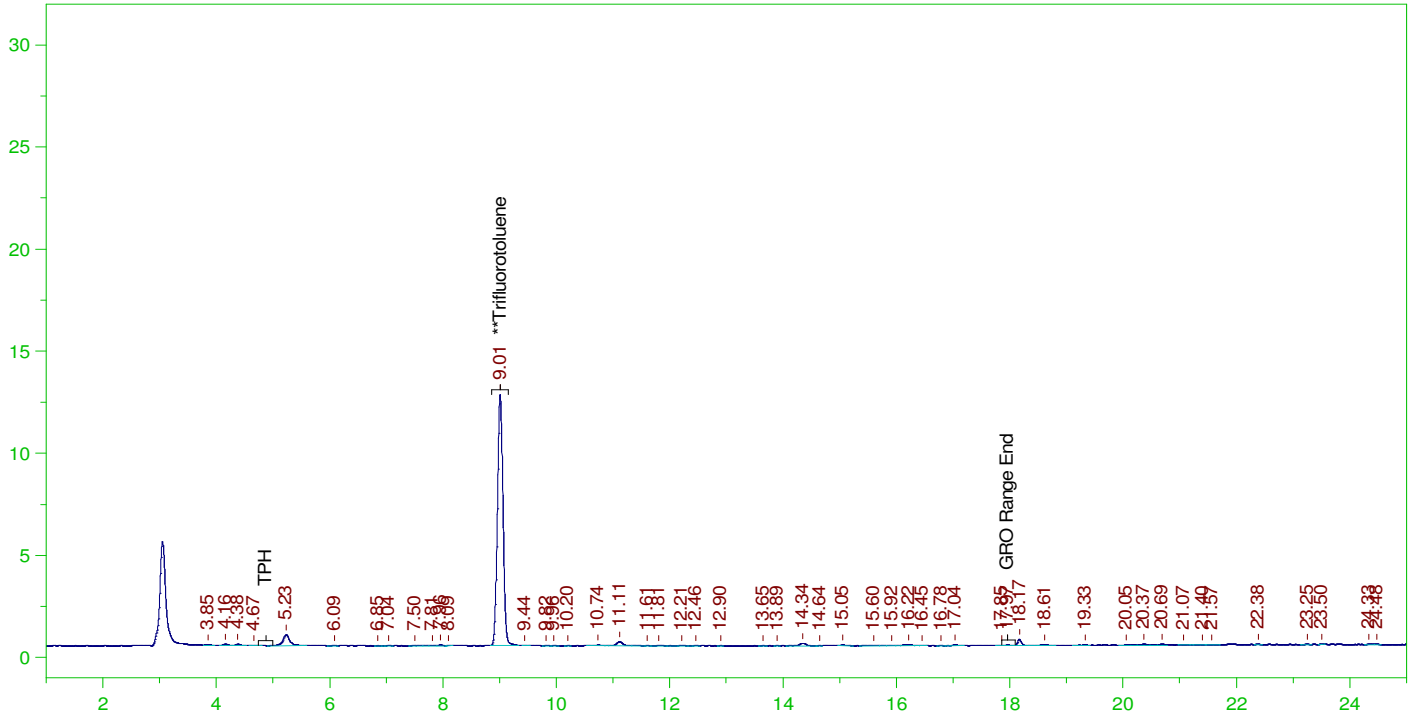
C6 to C10 Area:4916.074 C6 to C10 Amount: 1.003302

TPH Area:8634.279 TPH Amount: 1.806949

ERH2583 Trip Blank-14653

G:\Org\VAR\DAT\VAR030722_b\0307VARB.0019.RAW

B22030244-019A ;0307VAR , \$HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22030244-019A ;0307VAR , \$HC-8015-GRO-W,
Raw File: G:\Org\VAR\DAT\VAR030722_b\0307VARB.0019.RAW
Date & Time Acquired: 3/7/2022 6:21:39 PM
Method File: G:\Org\VAR\Methods\211208G244-19DoDB%.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

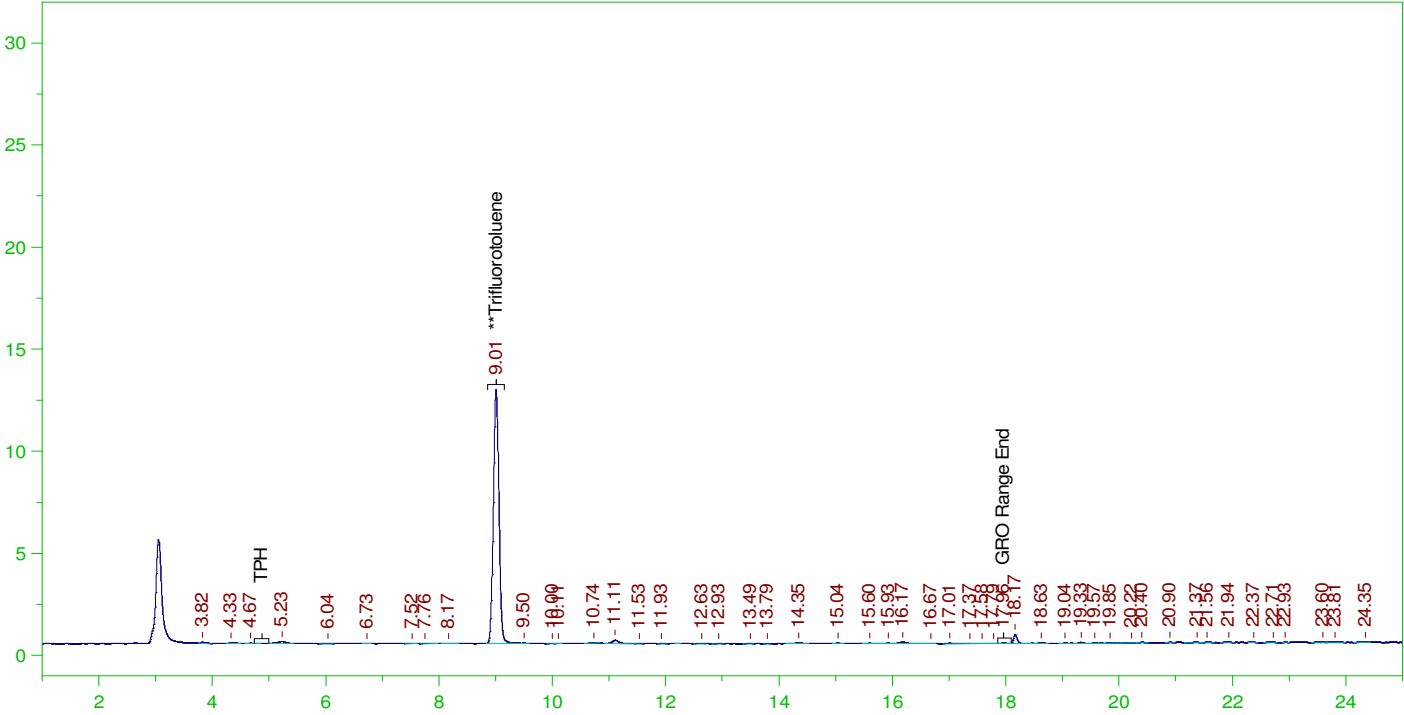
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.008	25.	18.182	72.73

C6 to C10 Area:11948.14 C6 to C10 Amount: 2.438449
TPH Area:17107.27 TPH Amount: 3.580145

ERH2581 Trip Blank-14754

G:\Org\VAR\DAT\VAR030722_b\0307VARB.0020.RAW

B22030244-024A ;0307VAR , \$HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22030244-024A ;0307VAR , \$HC-8015-GRO-W,
Raw File: G:\Org\VAR\DAT\VAR030722_b\0307VARB.0020.RAW
Date & Time Acquired: 3/7/2022 6:55:40 PM
Method File: G:\Org\VAR\Methods\211208G244-24DoDB%.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

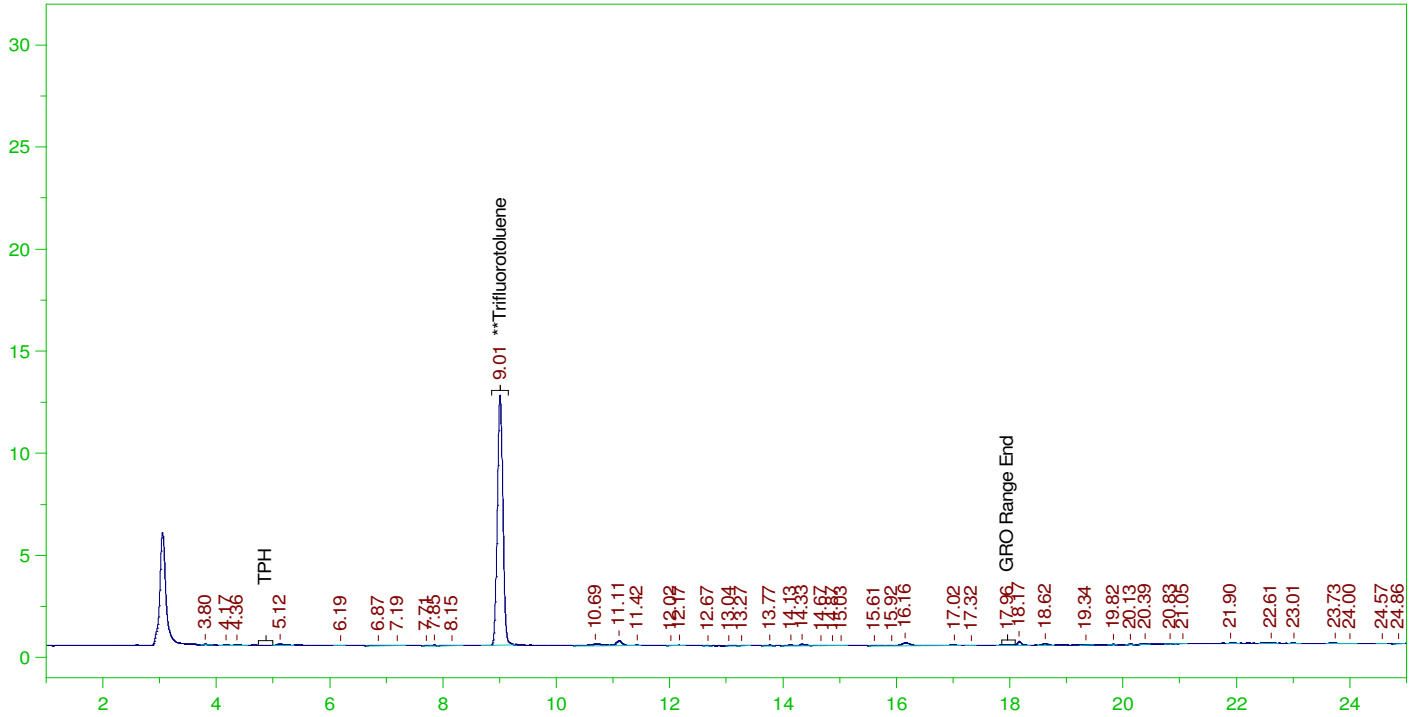
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.008	25.	18.436	73.75

C6 to C10 Area:7214.719 C6 to C10 Amount: 1.472423
TPH Area:13068.36 TPH Amount: 2.734897

ERH2577 Trip Blank-14733

G:\Org\VAR\DAT\VAR030722_b\0307VARB.0021.RAW

B22030244-029A ;0307VAR , \$HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22030244-029A ;0307VAR , \$HC-8015-GRO-W,
Raw File: G:\Org\VAR\DAT\VAR030722_b\0307VARB.0021.RAW
Date & Time Acquired: 3/7/2022 7:29:45 PM
Method File: G:\Org\VAR\Methods\211208G244-29DoDB%.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

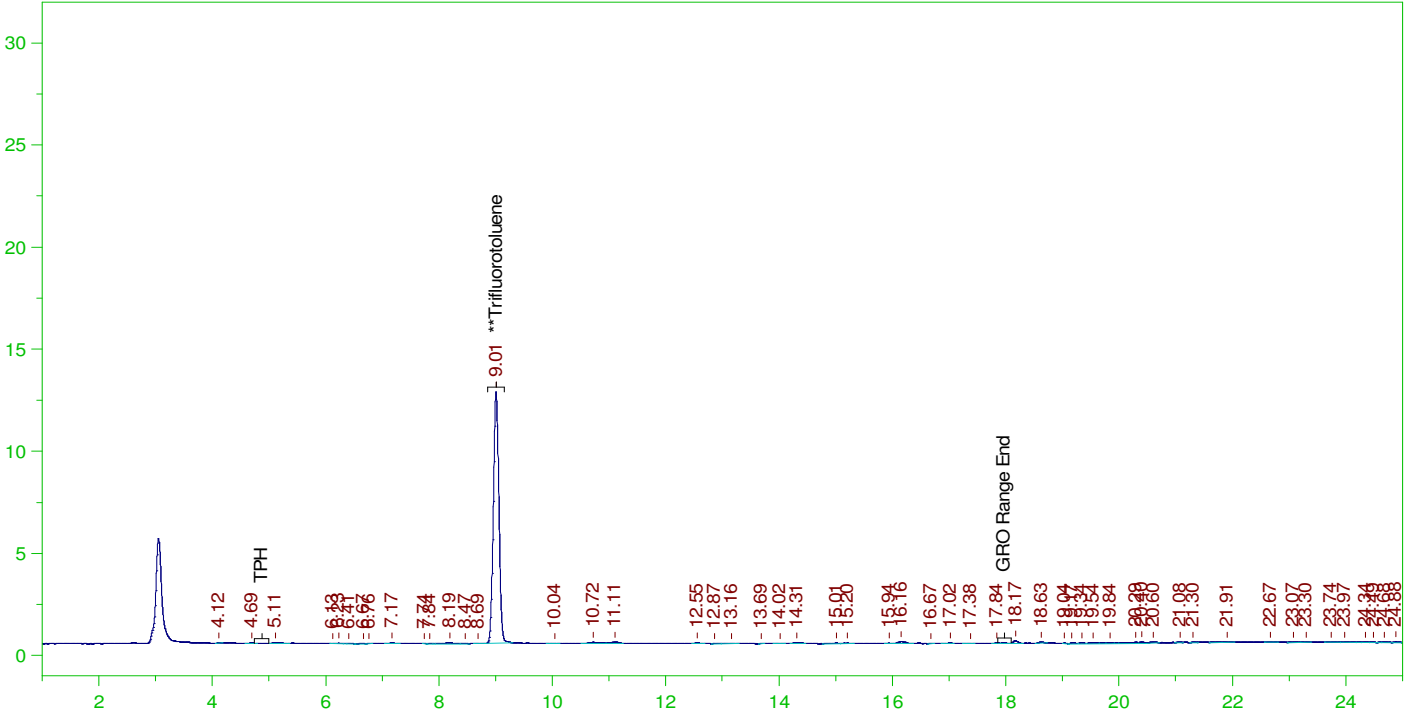
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.007	25.	18.027	72.11

C6 to C10 Area:10201.92 C6 to C10 Amount: 2.08207
TPH Area:14200.13 TPH Amount: 2.971749

ERH2623 Trip Blank-14733

G:\Org\VAR\DAT\VAR030722_b\0307VARB.0022.RAW

B22030244-034A ;0307VAR , \$HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22030244-034A ;0307VAR , \$HC-8015-GRO-W,
Raw File: G:\Org\VAR\DAT\VAR030722_b\0307VARB.0022.RAW
Date & Time Acquired: 3/7/2022 8:03:48 PM
Method File: G:\Org\VAR\Methods\211208G244-34DoDB%.MET
Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

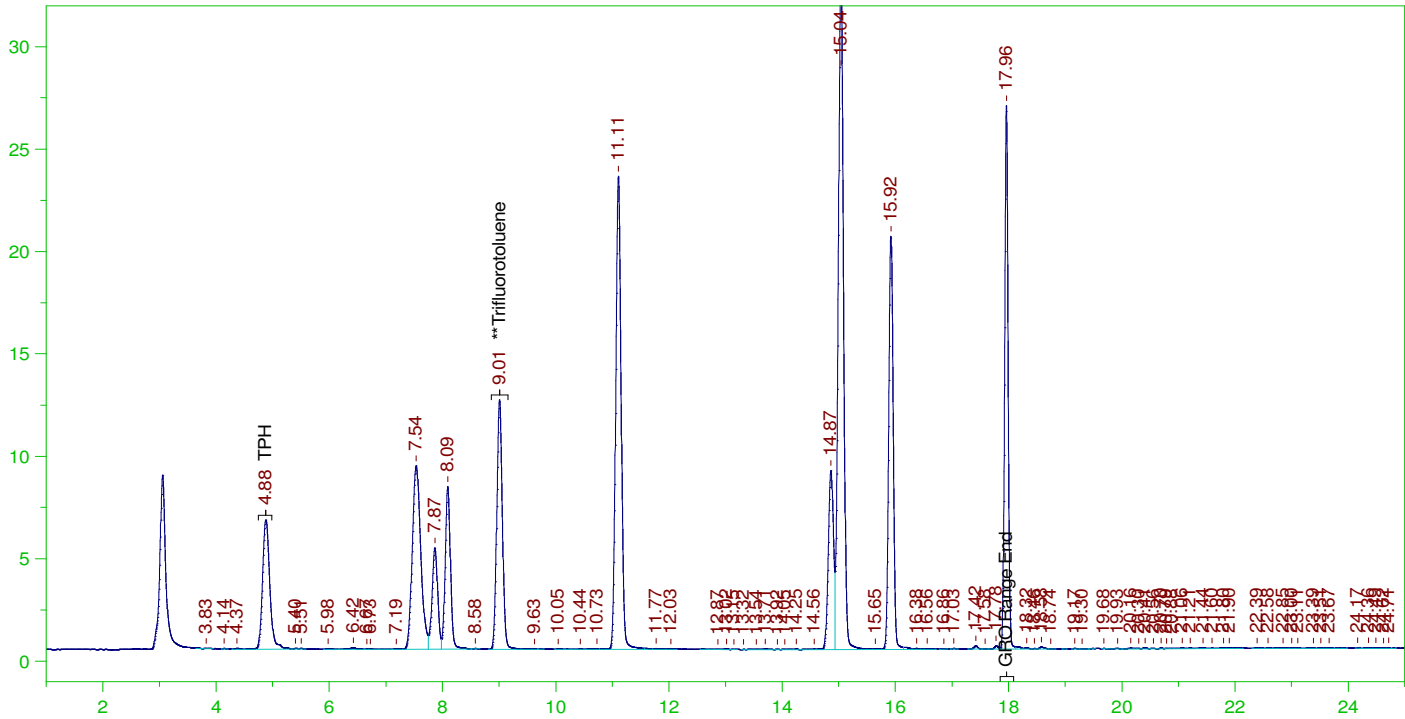
Mean RF for C6 to C10: 979.9788
Mean RF for TPH: 955.6747
Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.007	25.	18.192	72.77

C6 to C10 Area:6574.837 C6 to C10 Amount: 1.341832
TPH Area:12750.35 TPH Amount: 2.668346

G:\Org\VAR\DAT\VAR030722_b\0307VARB.0023.RAW

CCV_0307VAR23r, GQC ;0307VAR ,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_0307VAR23r, GQC ;0307VAR ,
Raw File: G:\Org\VAR\DAT\VAR030722_b\0307VARB.0023.RAW
Date & Time Acquired: 3/7/2022 8:37:54 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	9.008	125.	91.026	72.82	-

C6 to C10 Area:894912.6 C6 to C10 Amount: 913.1958
TPH Area:900836.1 TPH Amount: 942.618

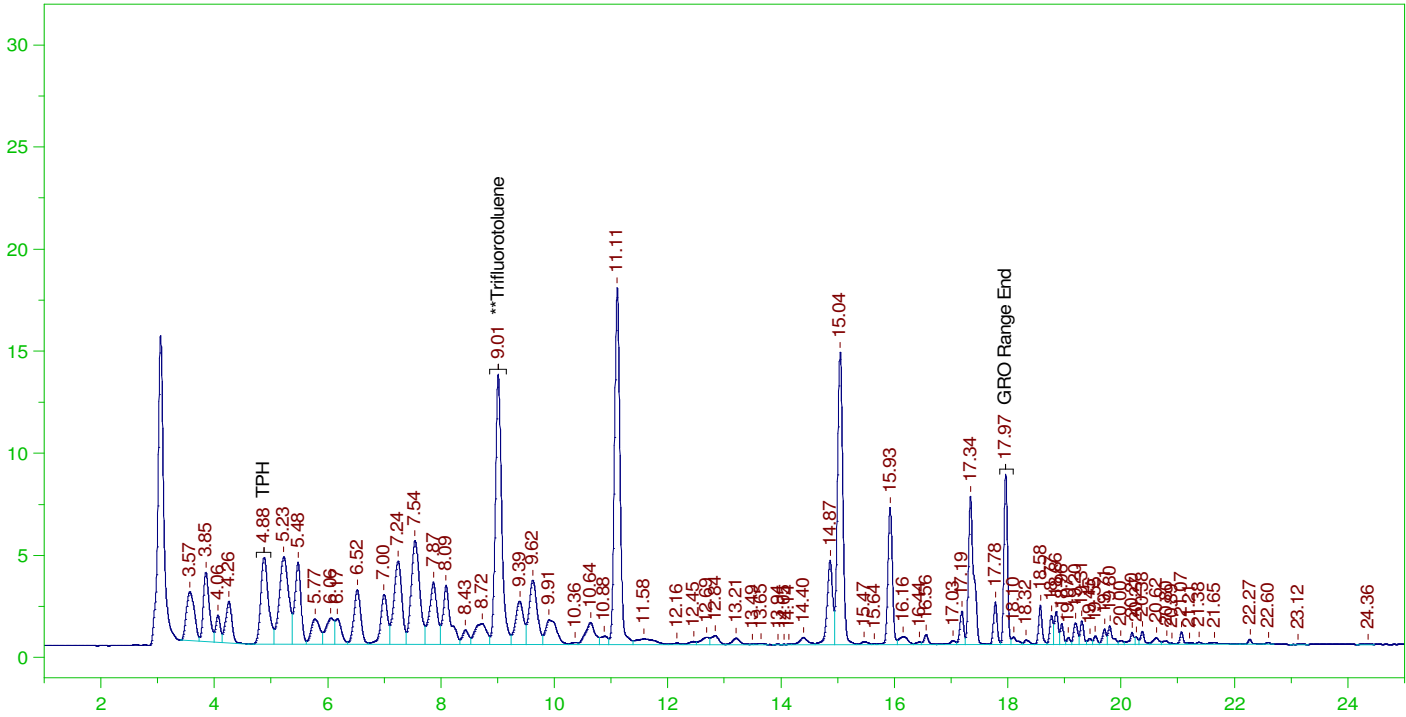
CONTINUING CALIBRATION REPORT: G:\Org\VAR\DAT\VAR030722_b\0307VARB.0023.RAW

COMPOUND	ACTUAL (NG)	MEASURED (NG)	%RECOVERY	LIMITS
C6 to C10	840.	913.2	108.71	85-115
TPH	1000.	942.62	94.26	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	9.008	125.	91.026	72.82	85-115

G:\Org\VAR\DAT\VAR030722_b\0307VARB.0024.RAW

CCV_0307VAR24r, GQC ;0307VAR ,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_0307VAR24r, GQC ;0307VAR ,
Raw File: G:\Org\VAR\DAT\VAR030722_b\0307VARB.0024.RAW
Date & Time Acquired: 3/7/2022 9:12:03 PM
Method File: G:\Org\VAR\Methods\211208GCCV0307_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	9.01	125.	110.714	88.57	-

C6 to C10 Area:879213.8 C6 to C10 Amount: 897.1763
TPH Area:1028879 TPH Amount: 1076.599

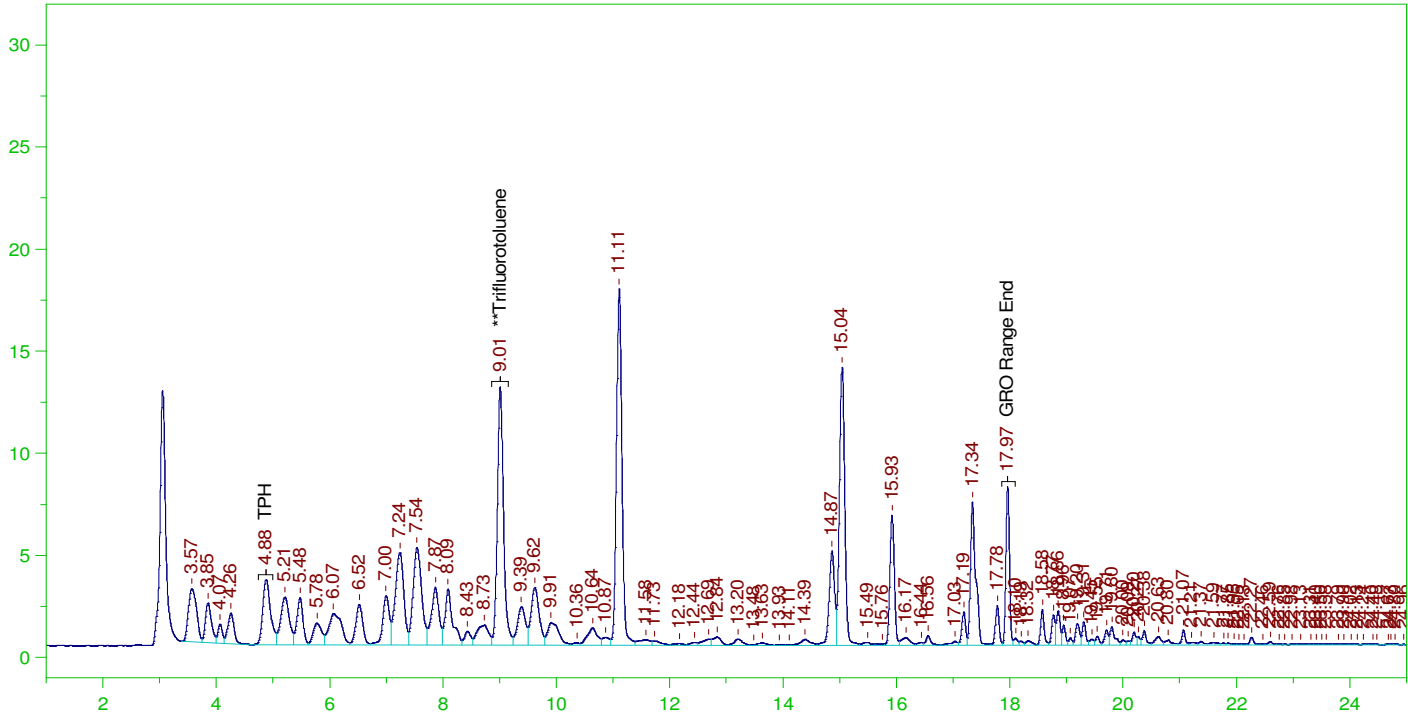
CONTINUING CALIBRATION REPORT: G:\Org\VAR\DAT\VAR030722_b\0307VARB.0024.RAW

COMPOUND	ACTUAL (NG)	MEASURED (NG)	%RECOVERY	LIMITS
C6 to C10	840.	897.18	106.81	85-115
TPH	1000.	1076.6	107.66	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	9.01	125.	110.714	88.57	85-115

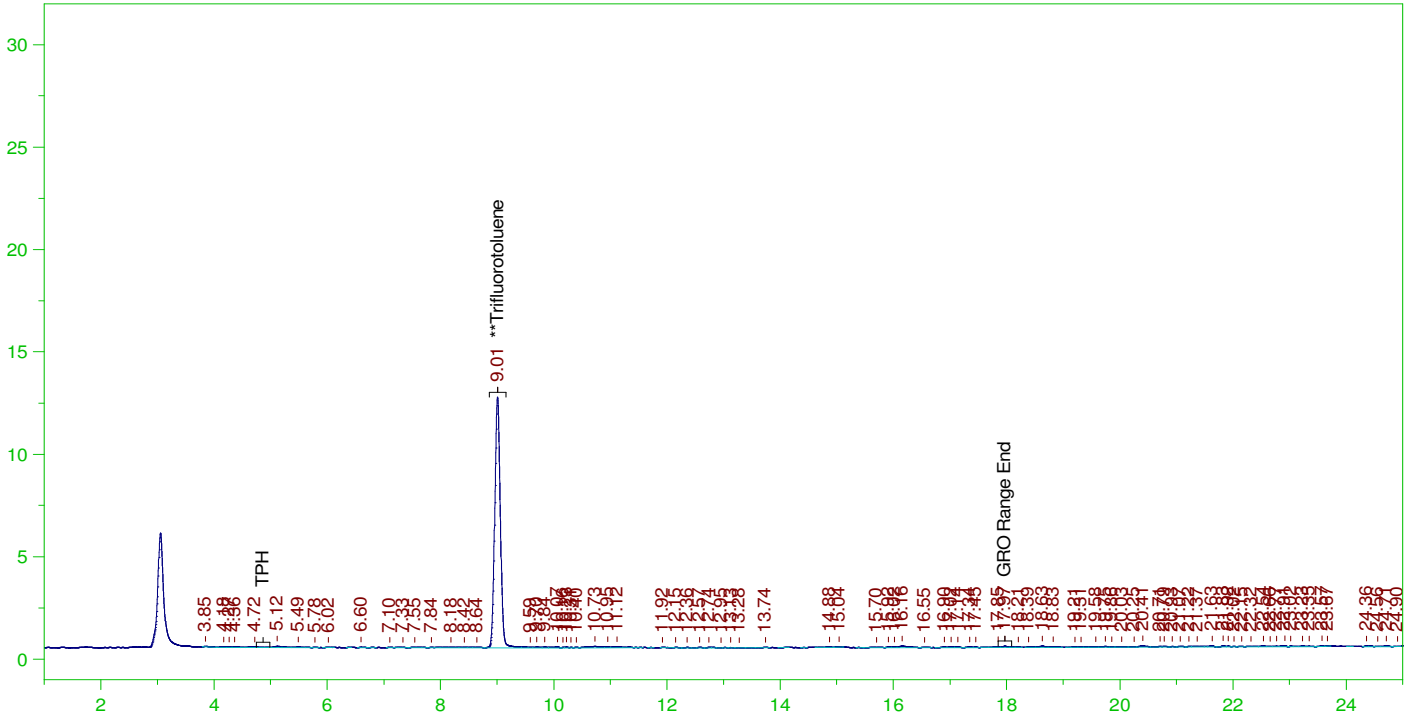
G:\Org\VAR\DAT\VAR030722_b\0307VARB.0025.RAW

LCS_0307VAR25r, GQC ;0307VAR ,



G:\Org\VAR\DAT\VAR030722_b\0307VARB.0026.RAW

BLANK



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\VAR\DAT\VAR030722_b\0307VARB.0026.RAW
 Date & Time Acquired: 3/7/2022 10:20:14 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

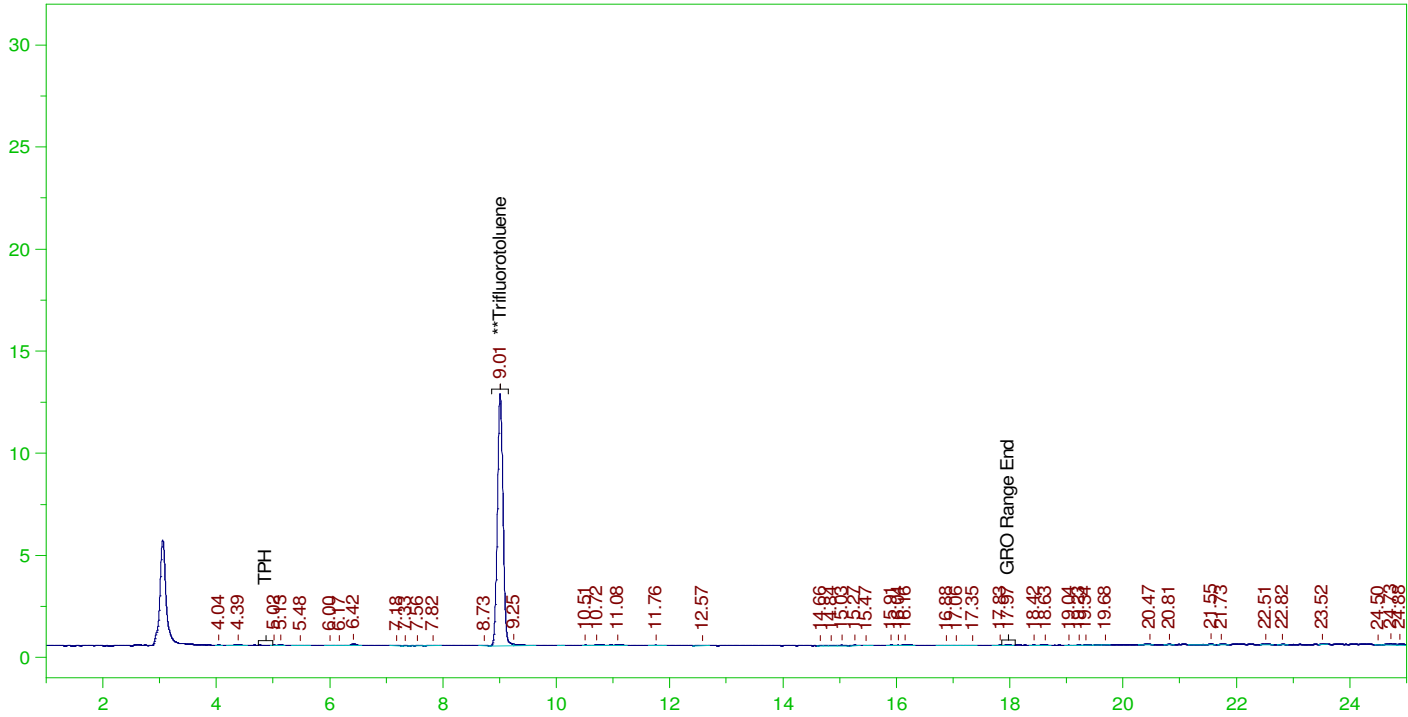
Mean RF for C6 to C10: 979.9788
 Mean RF for TPH: 955.6747
 Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.008	125.	91.562	73.25

C6 to C10 Area: 9461.859 C6 to C10 Amount: 9.655168
 TPH Area: 18587.21 TPH Amount: 19.44931

G:\Org\VAR\DAT\VAR030722_b\0307VARB.0027.RAW

MBLK_0307VAR27r, QC ;0307VAR ,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: MBLK_0307VAR27r, QC ;0307VAR ,
Raw File: G:\Org\VAR\DAT\VAR030722_b\0307VARB.0027.RAW
Date & Time Acquired: 3/7/2022 10:54:20 PM
Method File: G:\Org\VAR\Methods\211208GMB0307_27DoDB%.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

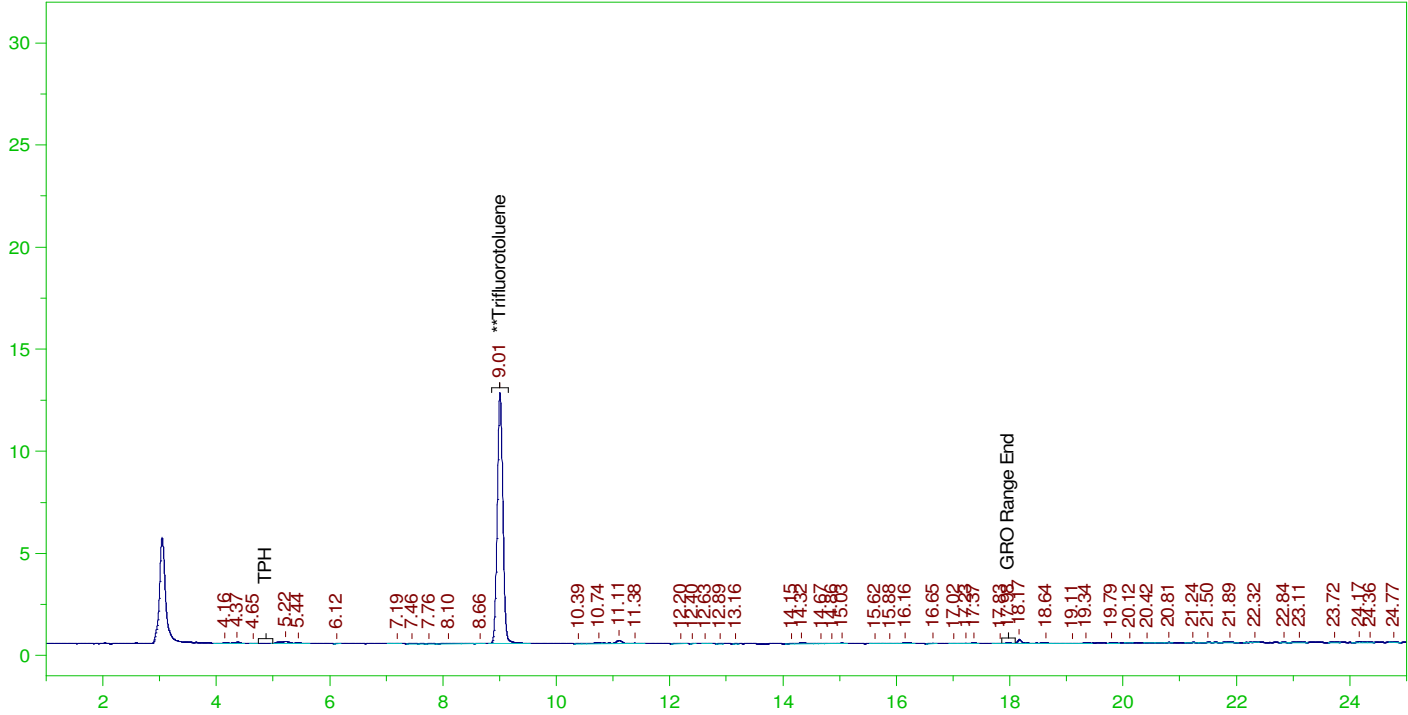
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.009	25.	18.385	73.54

C6 to C10 Area:5858.063 C6 to C10 Amount: 1.195549
TPH Area:9713.305 TPH Amount: 2.032764

ERH2587 Trip Blank-14754

G:\Org\VAR\DAT\VAR030722_b\0307VARB.0028.RAW

B22030244-039A ;0307VAR , \$HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22030244-039A ;0307VAR , \$HC-8015-GRO-W,
Raw File: G:\Org\VAR\DAT\VAR030722_b\0307VARB.0028.RAW
Date & Time Acquired: 3/7/2022 11:28:26 PM
Method File: G:\Org\VAR\Methods\211208G244-39DoDB%.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

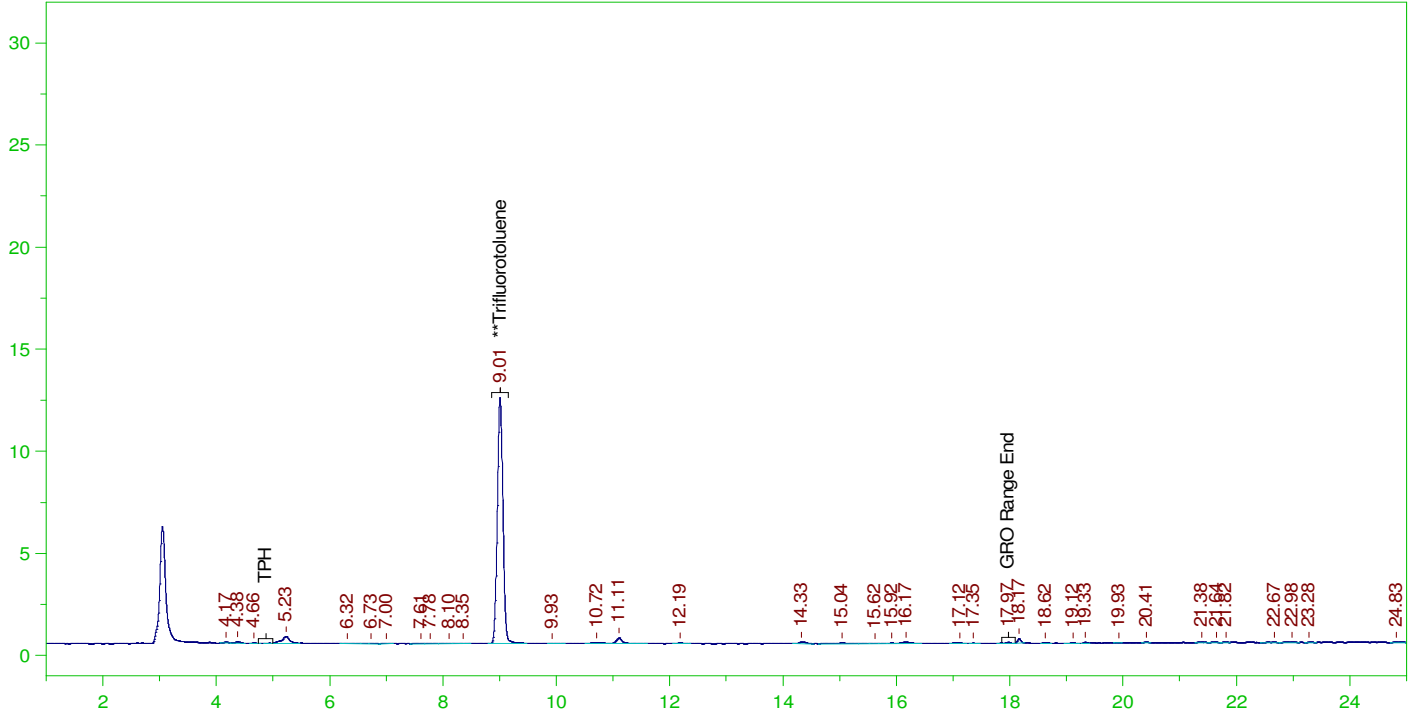
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.006	25.	18.267	73.07

C6 to C10 Area:7926.088 C6 to C10 Amount: 1.617604
TPH Area:12723.2 TPH Amount: 2.662664

ERH2595 Trip Blank-14754

G:\Org\VAR\DAT\VAR030722_b\0307VARB.0029.RAW

B22030244-044A ;0307VAR , \$HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22030244-044A ;0307VAR , \$HC-8015-GRO-W,
Raw File: G:\Org\VAR\DAT\VAR030722_b\0307VARB.0029.RAW
Date & Time Acquired: 3/8/2022 12:02:31 AM
Method File: G:\Org\VAR\Methods\211208G244-44DoDB%.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

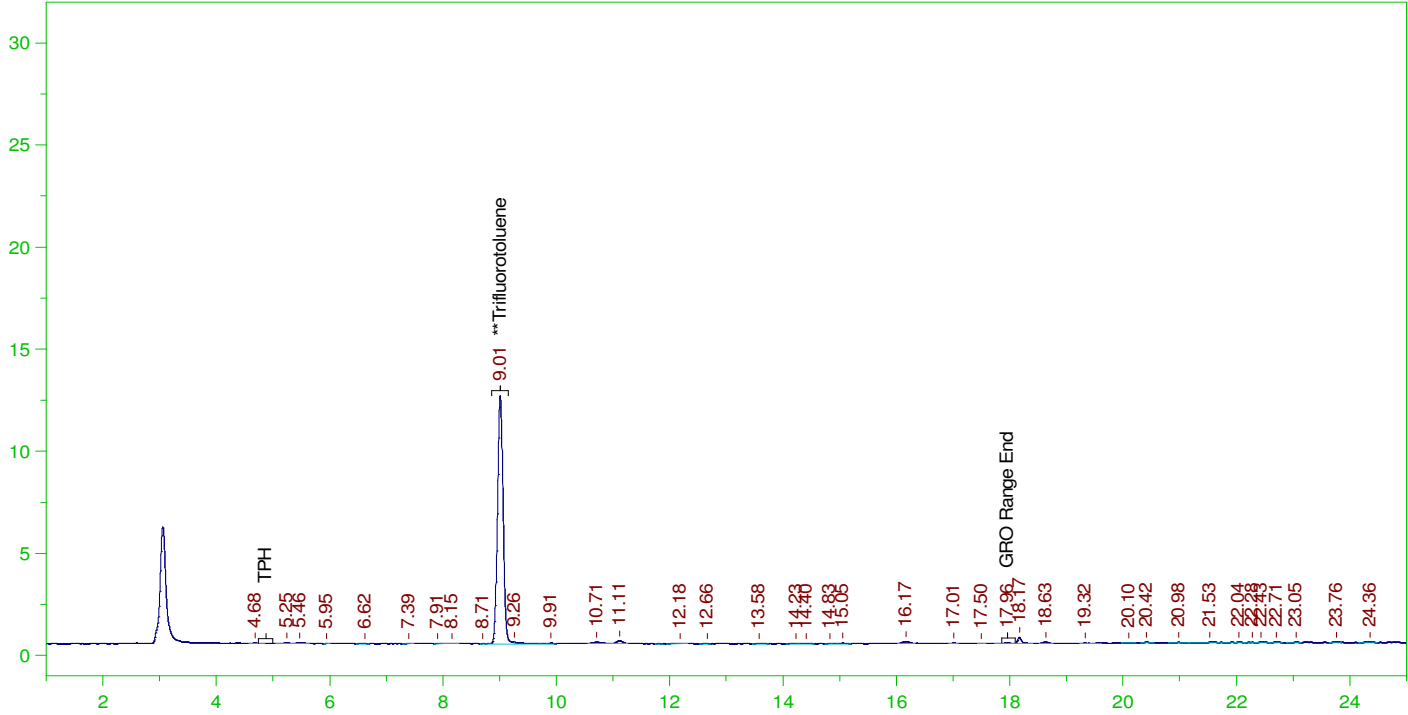
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.007	25.	17.861	71.44

C6 to C10 Area:11196.93 C6 to C10 Amount: 2.285137
TPH Area:14884.57 TPH Amount: 3.114986

ERH2591 Trip Blank-14894

G:\Org\VAR\DAT\VAR030722_b\0307VARB.0030.RAW

B22030244-049A ;0307VAR , \$HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22030244-049A ;0307VAR , \$HC-8015-GRO-W,
Raw File: G:\Org\VAR\DAT\VAR030722_b\0307VARB.0030.RAW
Date & Time Acquired: 3/8/2022 12:36:35 AM
Method File: G:\Org\VAR\Methods\211208G244-49DoDB%.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

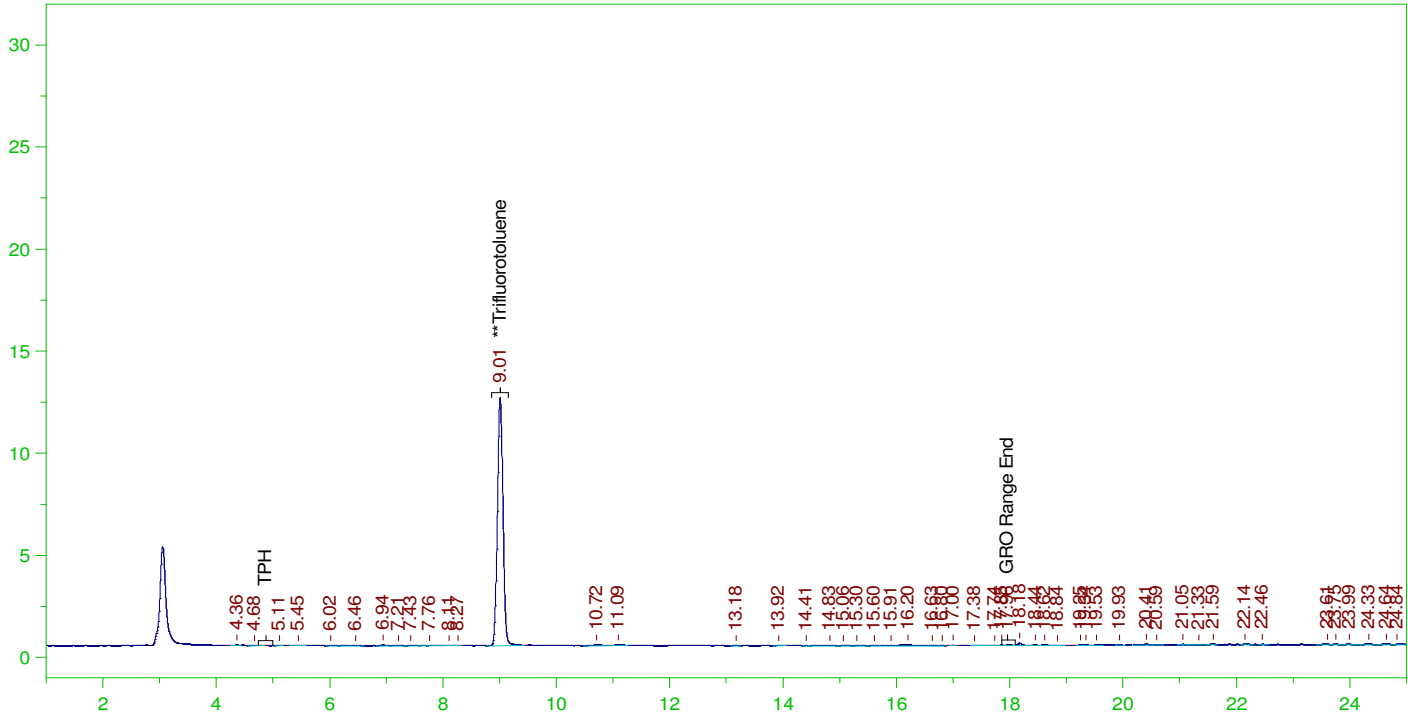
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.01	25.	18.152	72.61

C6 to C10 Area:6235.454 C6 to C10 Amount: 1.272569
TPH Area:10632.64 TPH Amount: 2.225158

ERH2607 (OWDFMW08A)

G:\Org\VAR\DAT\VAR030722_b\0307VARB.0031.RAW

B22030244-001F ;0307VAR , \$HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22030244-001F ;0307VAR , \$HC-8015-GRO-W,
Raw File: G:\Org\VAR\DAT\VAR030722_b\0307VARB.0031.RAW
Date & Time Acquired: 3/8/2022 1:10:38 AM
Method File: G:\Org\VAR\Methods\211208G244-1DoDB%.MET
Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

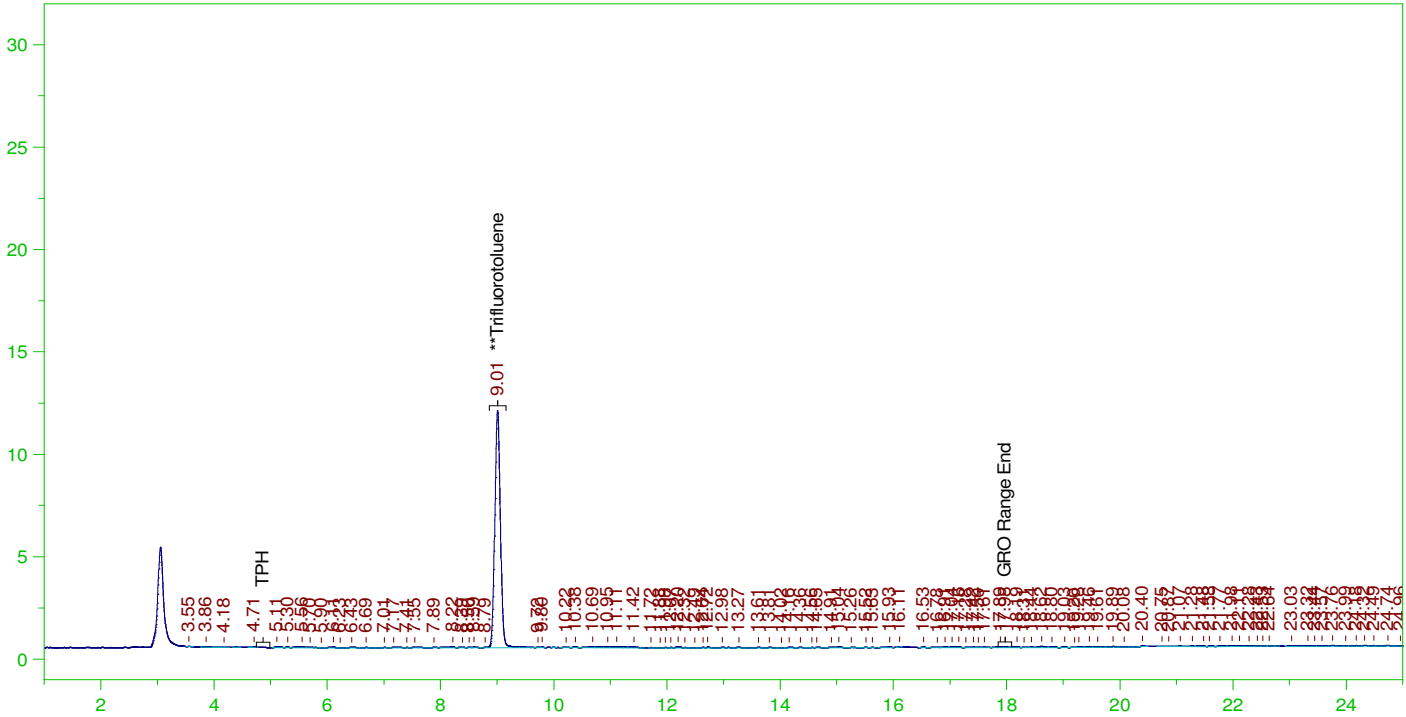
Mean RF for C6 to C10: 979.9788
Mean RF for TPH: 955.6747
Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.008	25.	17.988	71.95

C6 to C10 Area:6553.208 C6 to C10 Amount: 1.337418
TPH Area:12140.87 TPH Amount: 2.540795

G:\Org\VAR\DAT\VAR030722_b\0307VARB.0032.RAW

BLANK



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\VAR\DAT\VAR030722_b\0307VARB.0032.RAW
 Date & Time Acquired: 3/8/2022 1:44:44 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

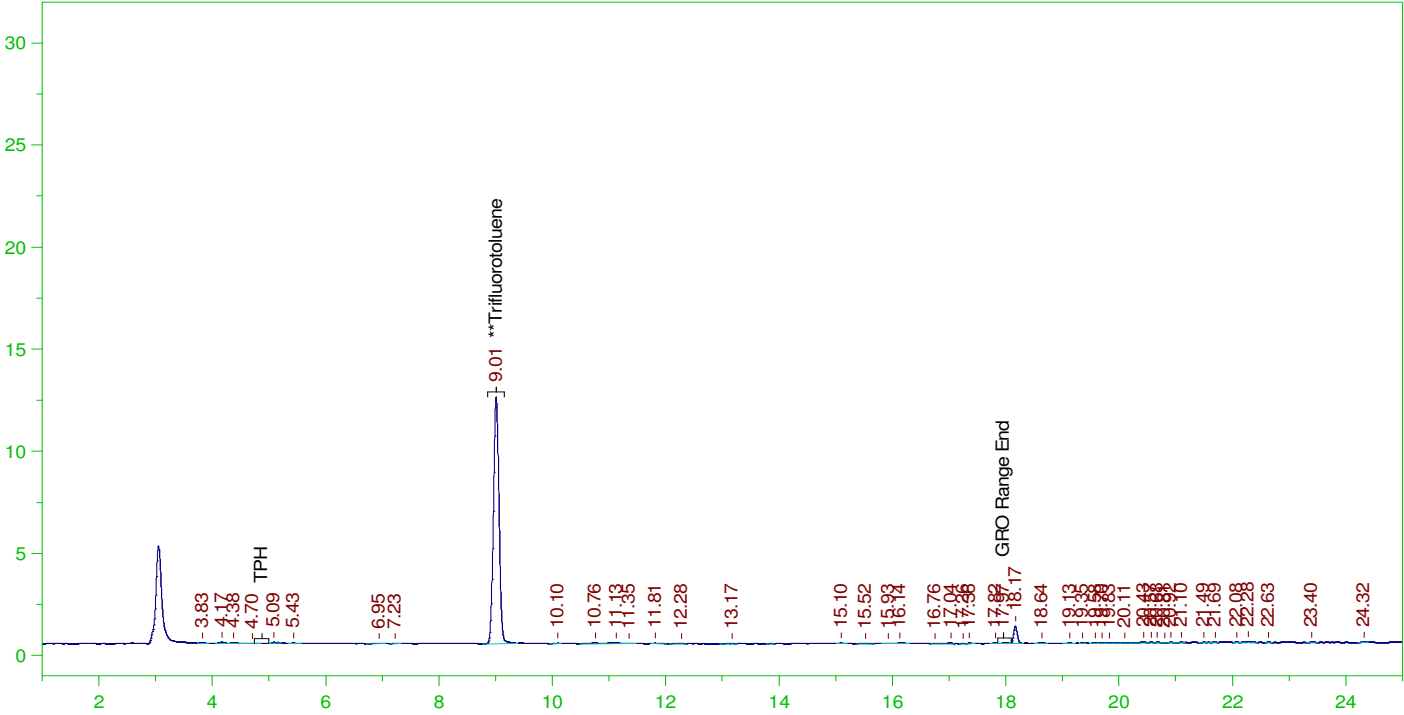
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	9.009	125.	86.337	69.07	-

C6 to C10 Area:11920.98 C6 to C10 Amount: 12.16452
 TPH Area:19638.58 TPH Amount: 20.54944

ERH2608 (OWDFMW08A) FD

G:\Org\VAR\DAT\VAR030722_b\0307VARB.0033.RAW

B22030244-002C ;0307VAR , \$HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22030244-002C ;0307VAR , \$HC-8015-GRO-W,
Raw File: G:\Org\VAR\DAT\VAR030722_b\0307VARB.0033.RAW
Date & Time Acquired: 3/8/2022 2:18:51 AM
Method File: G:\Org\VAR\Methods\211208G244-2DoDB%.MET
Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

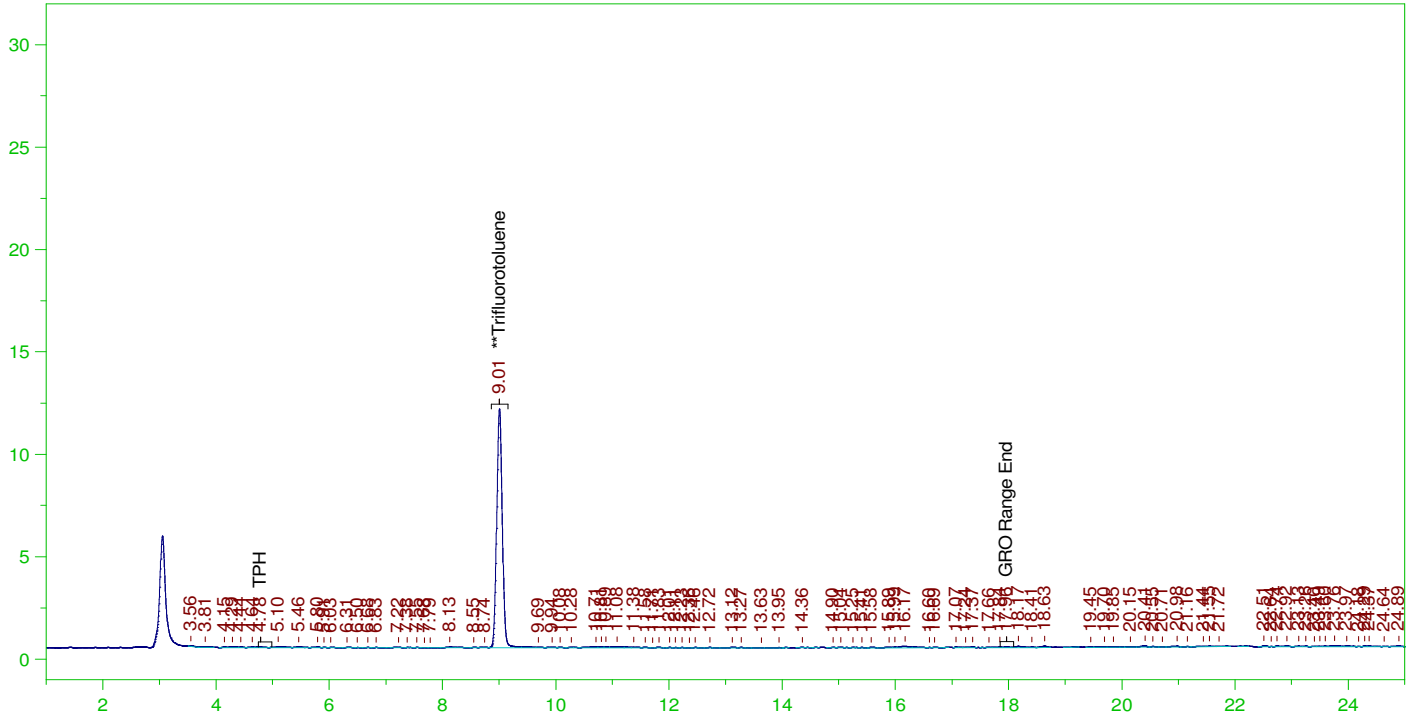
Mean RF for C6 to C10: 979.9788
Mean RF for TPH: 955.6747
Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.009	25.	17.959	71.84

C6 to C10 Area:4451.581 C6 to C10 Amount: 0.9085056
TPH Area:13776.27 TPH Amount: 2.883045

G:\Org\VAR\DAT\VAR030722_b\0307VARB.0034.RAW

BLANK



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\VAR\DAT\VAR030722_b\0307VARB.0034.RAW
 Date & Time Acquired: 3/8/2022 2:52:58 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

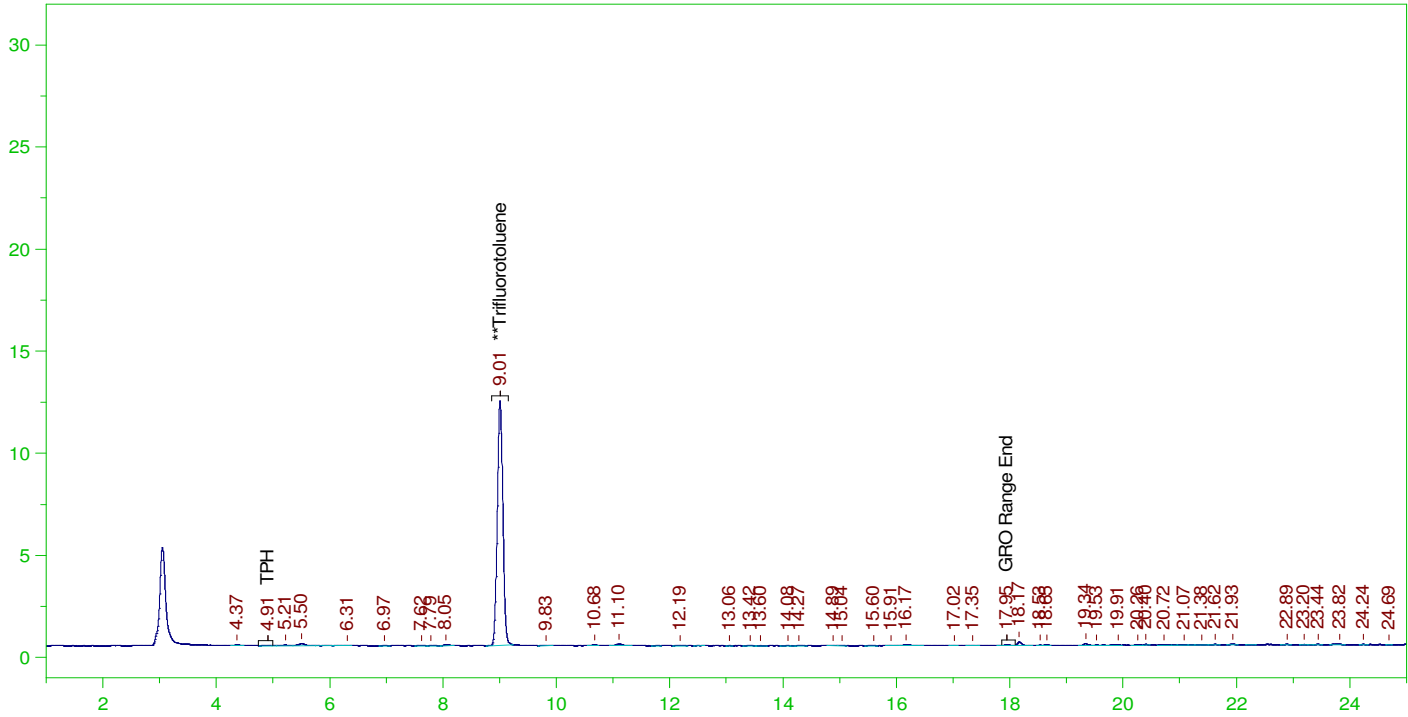
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.007	125.	87.207	69.77

C6 to C10 Area:10658.36 C6 to C10 Amount: 10.87612
 TPH Area:18836.18 TPH Amount: 19.70983

ERH2584 (RHMW08)

G:\Org\VAR\DAT\VAR030722_b\0307VARB.0035.RAW

B22030244-017F ;0307VAR , \$HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22030244-017F ;0307VAR , \$HC-8015-GRO-W,
Raw File: G:\Org\VAR\DAT\VAR030722_b\0307VARB.0035.RAW
Date & Time Acquired: 3/8/2022 3:27:04 AM
Method File: G:\Org\VAR\Methods\211208G244-17DoDB%.MET
Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

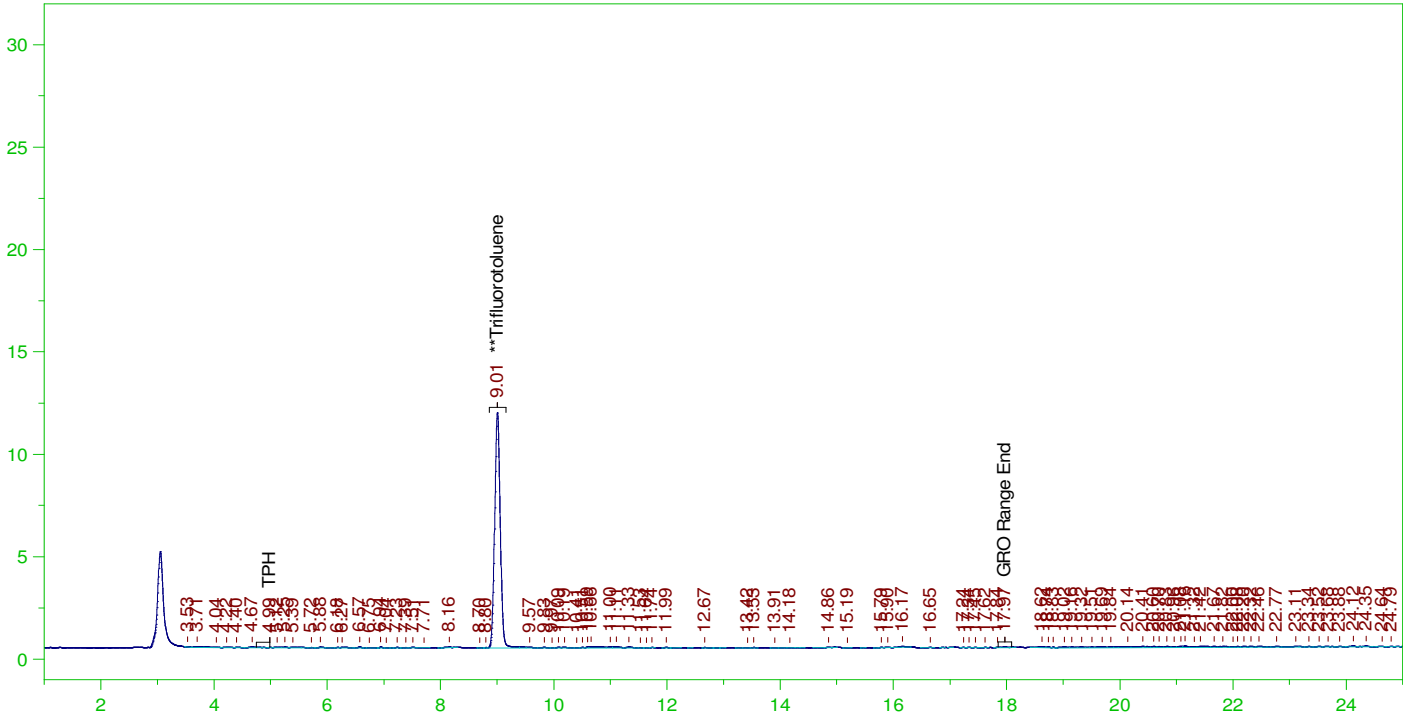
Mean RF for C6 to C10: 979.9788
Mean RF for TPH: 955.6747
Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.006	25.	17.645	70.58

C6 to C10 Area:5534.659 C6 to C10 Amount: 1.129547
TPH Area:9862.882 TPH Amount: 2.064067

G:\Org\VAR\DAT\VAR030722_b\0307VARB.0036.RAW

BLANK



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\VAR\DAT\VAR030722_b\0307VARB.0036.RAW
 Date & Time Acquired: 3/8/2022 4:01:09 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

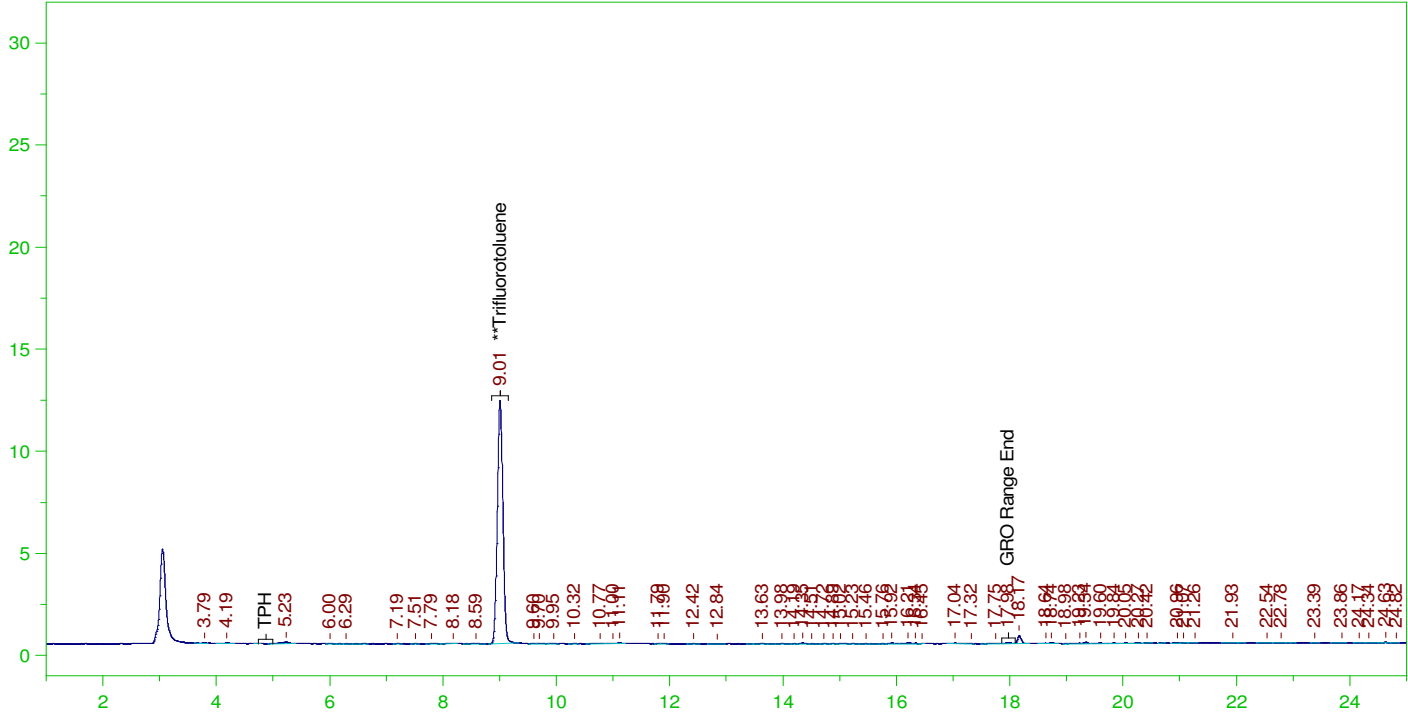
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.006	125.	85.923	68.74

C6 to C10 Area: 8258.765 C6 to C10 Amount: 8.427493
 TPH Area: 18497.05 TPH Amount: 19.35497

ERH2582 (RHMW06)

G:\Org\VAR\DAT\VAR030722_b\0307VARB.0037.RAW

B22030244-022F ;0307VAR , \$HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22030244-022F ;0307VAR , \$HC-8015-GRO-W,
Raw File: G:\Org\VAR\DAT\VAR030722_b\0307VARB.0037.RAW
Date & Time Acquired: 3/8/2022 4:35:16 AM
Method File: G:\Org\VAR\Methods\211208G244-22DoDB%.MET
Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

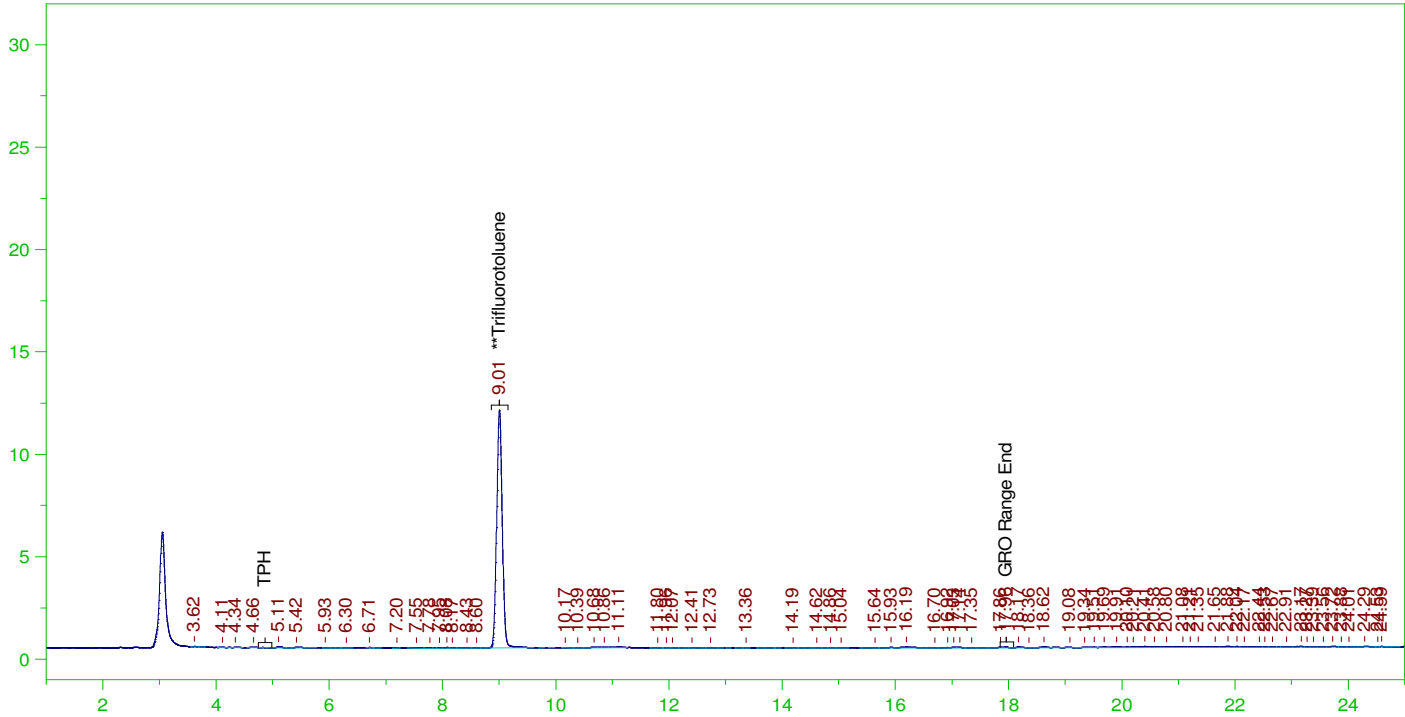
Mean RF for C6 to C10: 979.9788
Mean RF for TPH: 955.6747
Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.007	25.	17.603	70.41

C6 to C10 Area:8085.406 C6 to C10 Amount: 1.650119
TPH Area:13942.86 TPH Amount: 2.917909

G:\Org\VAR\DAT\VAR030722_b\0307VARB.0038.RAW

BLANK



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\VAR\DAT\VAR030722_b\0307VARB.0038.RAW
 Date & Time Acquired: 3/8/2022 5:09:21 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

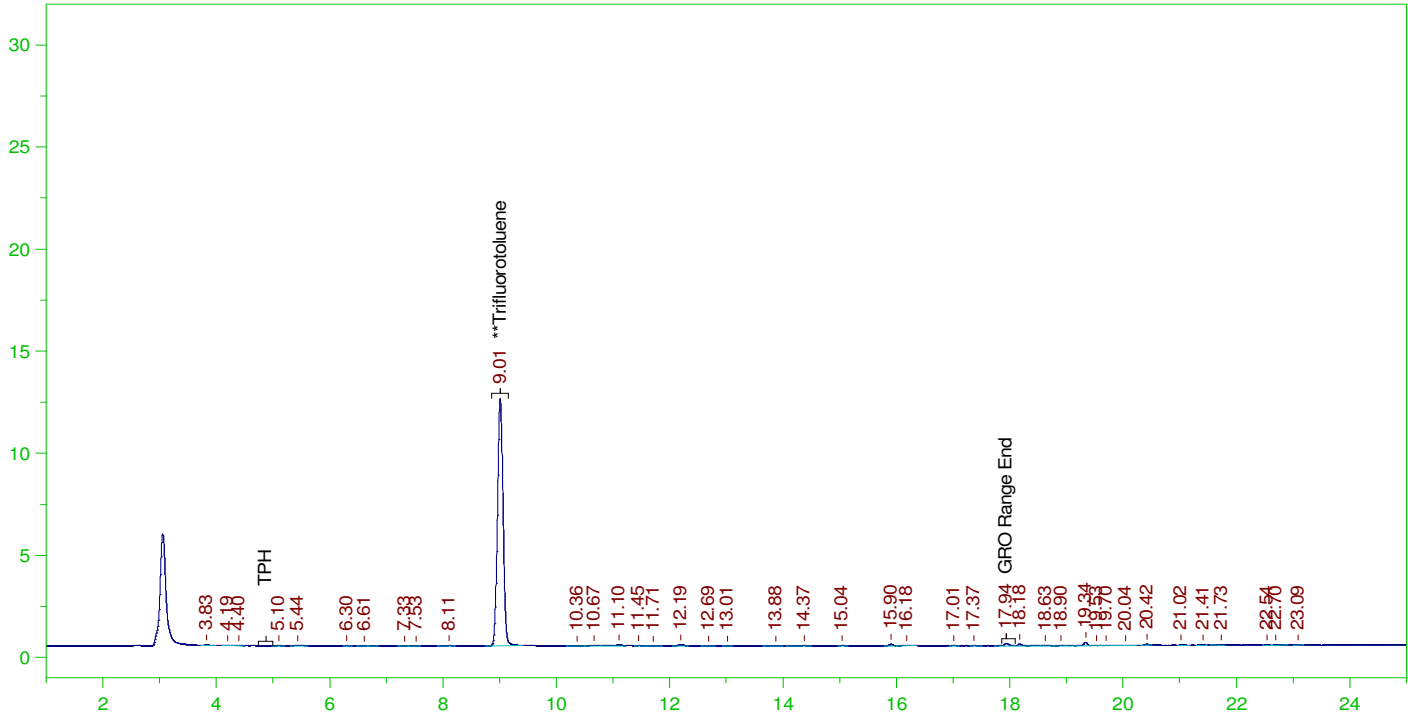
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.006	125.	86.757	69.41

C6 to C10 Area:7034.738 C6 to C10 Amount: 7.17846
 TPH Area:17458.06 TPH Amount: 18.26779

ERH2578 (RHMW04)

G:\Org\VAR\DAT\VAR030722_b\0307VARB.0039.RAW

B22030244-027F ;0307VAR , \$HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22030244-027F ;0307VAR , \$HC-8015-GRO-W,
Raw File: G:\Org\VAR\DAT\VAR030722_b\0307VARB.0039.RAW
Date & Time Acquired: 3/8/2022 5:43:25 AM
Method File: G:\Org\VAR\Methods\211208G244-27DoDB%.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

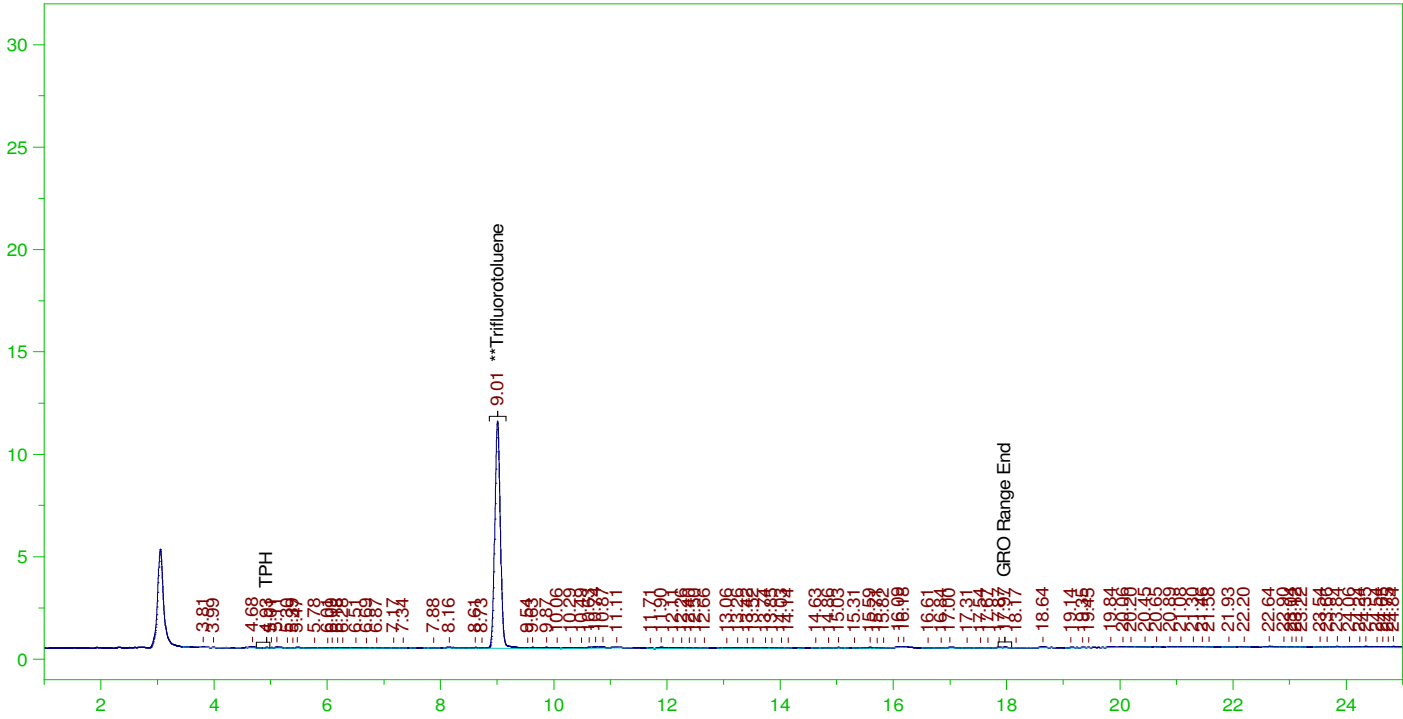
Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.009	25.	17.939	71.76

C6 to C10 Area:4754.386 C6 to C10 Amount: 0.9703038
TPH Area:8579.22 TPH Amount: 1.795427

G:\Org\VAR\DAT\VAR030722_b\0307VARB.0040.RAW

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GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\VAR\DAT\VAR030722_b\0307VARB.0040.RAW
 Date & Time Acquired: 3/8/2022 6:17:31 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

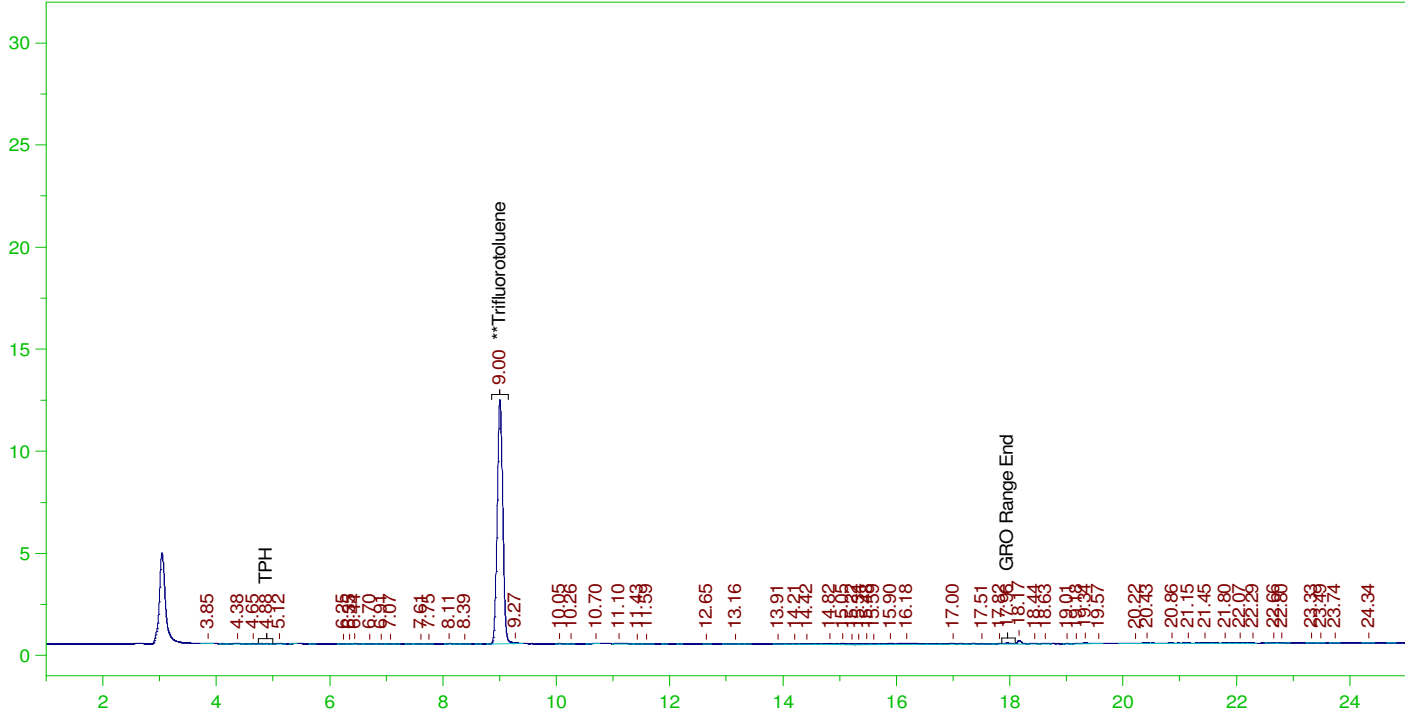
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	9.008	125.	83.175	66.54	-

C6 to C10 Area:10536.39 C6 to C10 Amount: 10.75165
 TPH Area:16733.84 TPH Amount: 17.50997

ERH2624 (RHMW07)

G:\Org\VAR\DAT\VAR030722_b\0307VARB.0041.RAW

B22030244-032G ;0307VAR , \$HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22030244-032G ;0307VAR , \$HC-8015-GRO-W,
Raw File: G:\Org\VAR\DAT\VAR030722_b\0307VARB.0041.RAW
Date & Time Acquired: 3/8/2022 6:51:35 AM
Method File: G:\Org\VAR\Methods\211208G244-32DoDB%.MET
Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

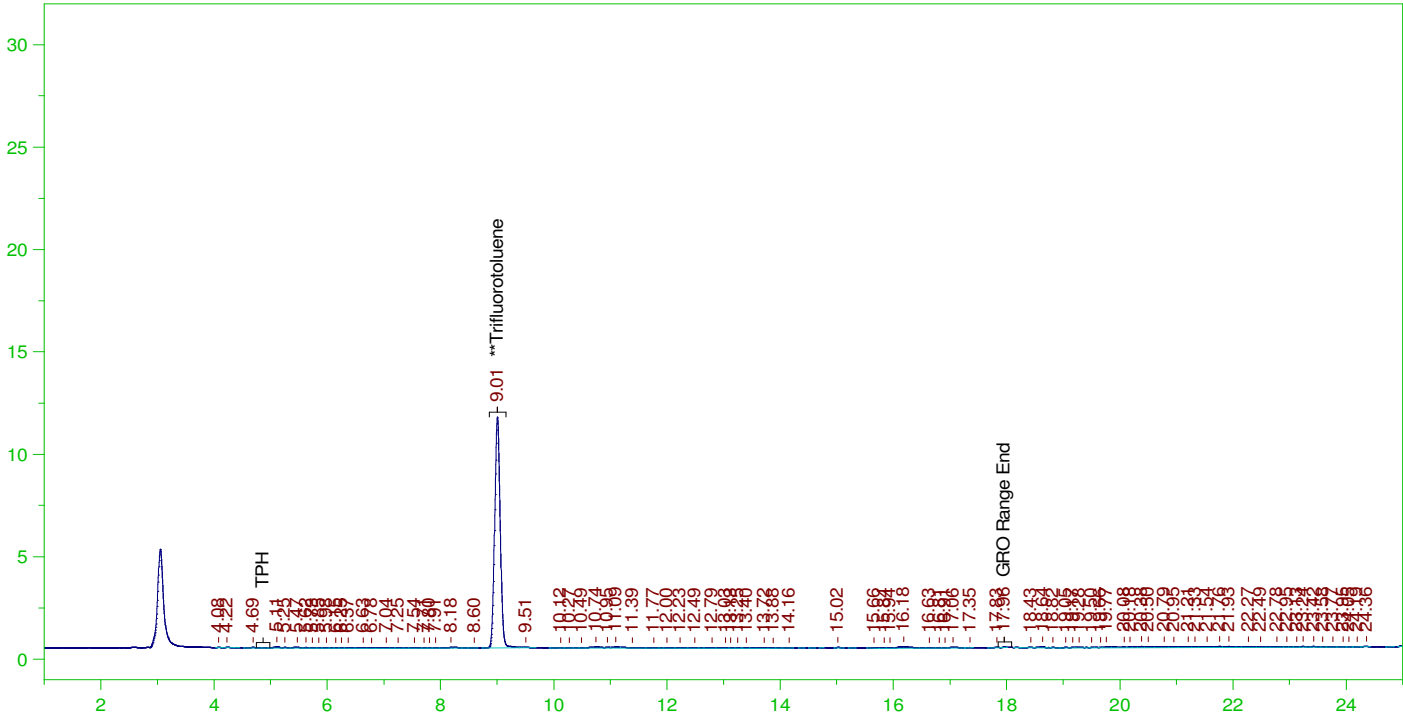
Mean RF for C6 to C10: 979.9788
Mean RF for TPH: 955.6747
Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.005	25.	17.658	70.63

C6 to C10 Area:7735.237 C6 to C10 Amount: 1.578654
TPH Area:12054.91 TPH Amount: 2.522807

G:\Org\VAR\DAT\VAR030722_b\0307VARB.0042.RAW

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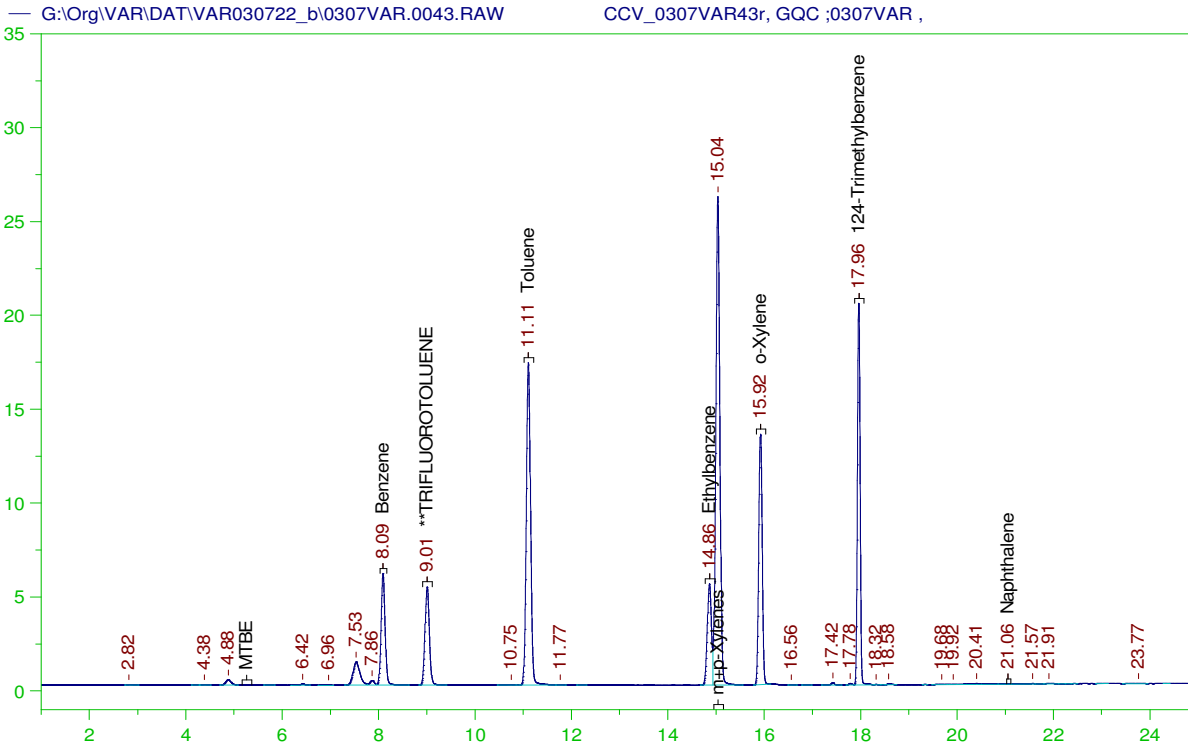
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\VAR\DAT\VAR030722_b\0307VARB.0042.RAW
 Date & Time Acquired: 3/8/2022 7:25:37 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.	83.961	67.17

C6 to C10 Area:9067.146 C6 to C10 Amount: 9.252389
 TPH Area:17665.89 TPH Amount: 18.48525



PHOTOIONIZATION DETECTOR TARGET COMPOUND CHROMATOGRAM

Sample Name: CCV_0307VAR43r, GQC ;0307VAR ,
Raw File: G:\Org\VAR\DAT\VAR030722_b\0307VAR.0043.RAW
Date & Time Acquired: 3/8/2022 7:59:36 AM
Method File: G:\Org\VAR\Methods\211208GRO_DoD.MET
Calibration File: G:\Org\VAR\Cals\211208_8021B.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

TARGET ANALYTES	RT	CAL	RRT	RRT	AREA	AMOUNT	FLAG
MTBE	5.	U
Benzene	8.092	.916	.915	.915	35025	38.391	
Toluene	11.108	-2.104	-2.101	-2.101	106363	123.934	
Ethylbenzene	14.864	-5.866	-5.857	-5.857	32390	44.294	
m+p-Xylenes	15.039	-6.044	-6.032	-6.032	154445	180.259	
o-Xylene	15.924	-6.923	-6.917	-6.917	65743	89.37	
124-Trimethylbenzene	17.964	-8.961	-8.957	-8.957	75538	103.211	
Naphthalene	21.059	21.059	21.059	21.059	245	5.	U

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	QC LIMITS
**TRIFLUOROTOLUENE	9.007	125.	108.591	86.87	80-120

CONTINUING CALIBRATION REPORTG:\Org\VAR\DAT\VAR030722_b\0307VAR.0043.RAW

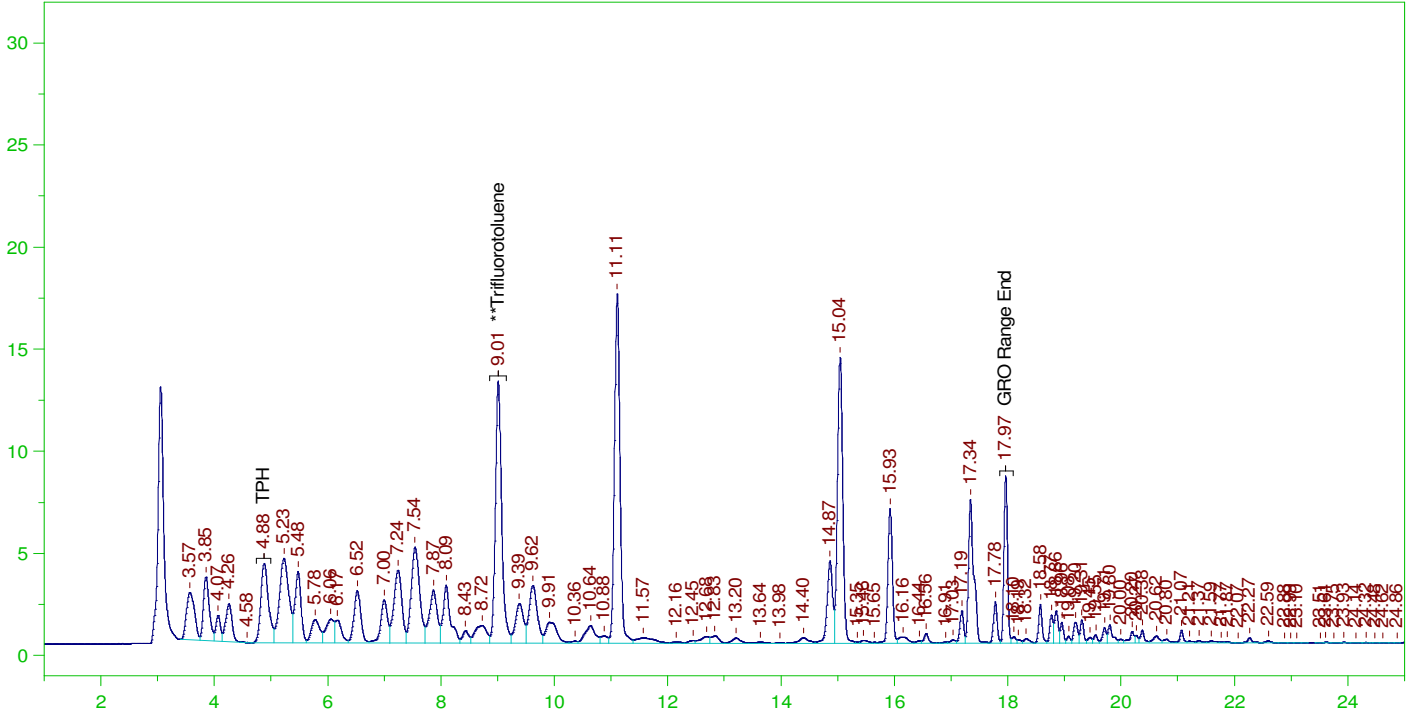
COMPOUND	ACTUAL (NG)	MEASURED (NG)	%RECOVERY	LIMITS
MTBE	125.	.	.	75-125
Benzene	125.	38.391	30.71	75-125
Toluene	125.	123.934	99.15	75-125
Ethylbenzene	125.	44.294	35.44	75-125
m+p-Xylenes	250.	180.259	72.1	75-125
o-Xylene	125.	89.37	71.5	75-125
124-Trimethylbenzene	125.	103.211	82.57	75-125
Naphthalene	125.	.	.	75-125

G:\org\VAR\dat\VAR030722_b\Review\043_CCv_0307VAR43r_211208GRO_DoD.xls

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**TRIFLUOROTOLUENE	9.007	125.	108.591	86.87	75-125

G:\Org\VAR\DAT\VAR030722_b\0307VARB.0044.RAW

CCV_0307VAR44r, GQC ;0307VAR ,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_0307VAR44r, GQC ;0307VAR ,
Raw File: G:\Org\VAR\DAT\VAR030722_b\0307VARB.0044.RAW
Date & Time Acquired: 3/8/2022 8:33:36 AM
Method File: G:\Org\VAR\Methods\211208GCCV0307_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	9.011	125.	107.164	85.73	-

C6 to C10 Area:825827.6 C6 to C10 Amount: 842.6994
TPH Area:971982.8 TPH Amount: 1017.064

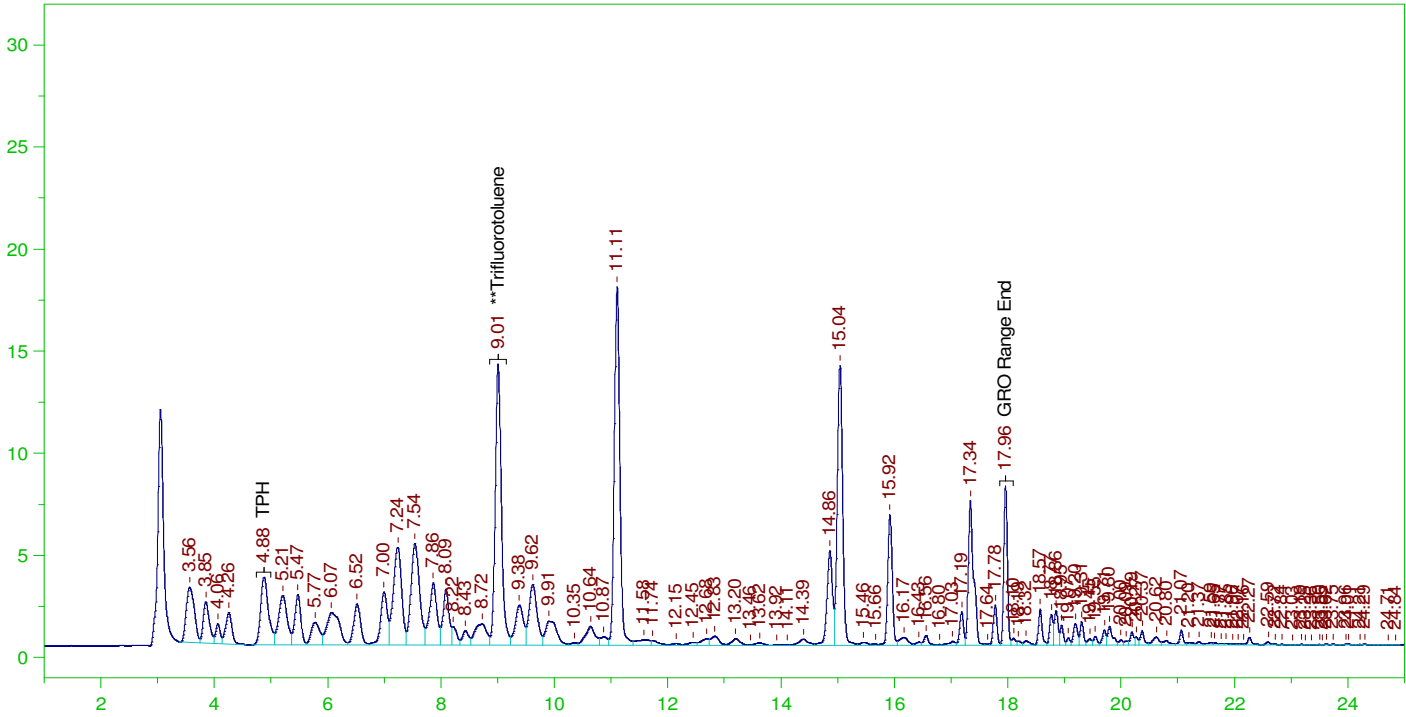
CONTINUING CALIBRATION REPORT: G:\Org\VAR\DAT\VAR030722_b\0307VARB.0044.RAW

COMPOUND	ACTUAL (NG)	MEASURED (NG)	%RECOVERY	LIMITS
C6 to C10	840.	842.7	100.32	85-115
TPH	1000.	1017.06	101.71	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	9.011	125.	107.164	85.73	85-115

G:\Org\VAR\DAT\VAR030722_b\0307VARB.0045.RAW

LCS_0307VAR45r, GQC ;0307VAR ,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: LCS_0307VAR45r, GQC ;0307VAR ,
Raw File: G:\Org\VAR\DAT\VAR030722_b\0307VARB.0045.RAW
Date & Time Acquired: 3/8/2022 9:07:42 AM
Method File: G:\Org\VAR\Methods\211208GLCS0307_45DoDB%.MET
Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

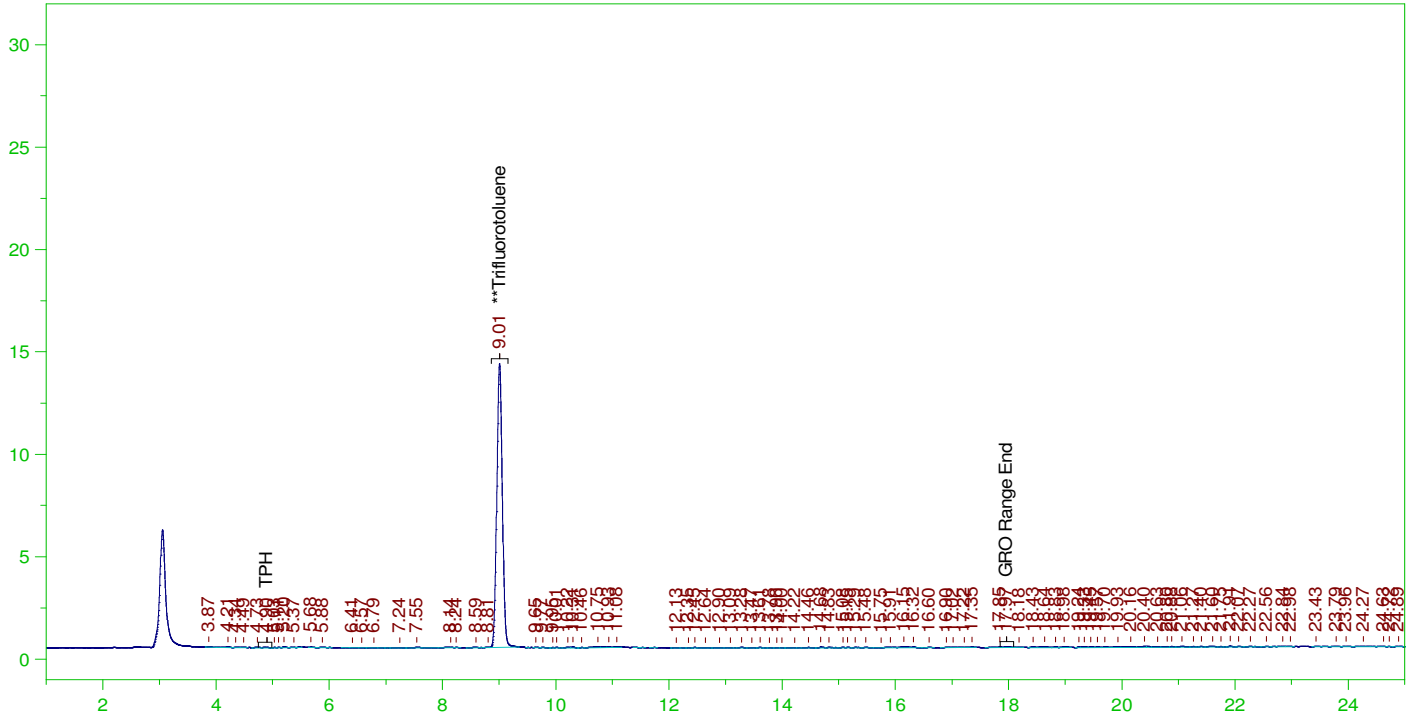
Mean RF for C6 to C10: 979.9788
Mean RF for TPH: 955.6747
Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.008	25.	22.482	89.93

C6 to C10 Area:827167 C6 to C10 Amount: 168.8132
TPH Area:973366.5 TPH Amount: 203.7025

G:\Org\VAR\DAT\VAR030722_b\0307VARB.0046.RAW

BLANK



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\VAR\DAT\VAR030722_b\0307VARB.0046.RAW
 Date & Time Acquired: 3/8/2022 9:41:43 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

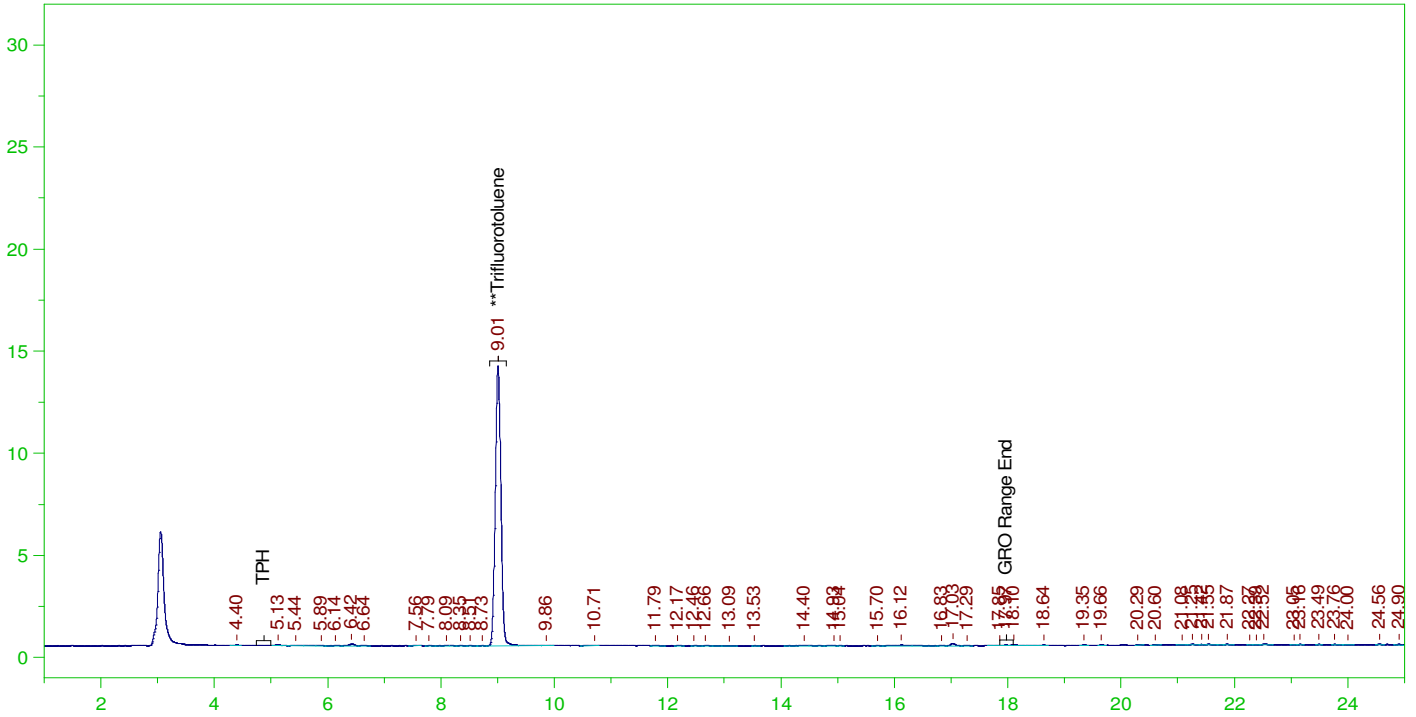
Mean RF for C6 to C10: 979.9788
 Mean RF for TPH: 955.6747
 Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.008	125.	102.47	81.98

C6 to C10 Area:8415.317 C6 to C10 Amount: 8.587244
 TPH Area:15588.66 TPH Amount: 16.31169

G:\Org\VAR\DAT\VAR030722_b\0307VARB.0047.RAW

MBLK_0307VAR47r, QC ;0307VAR ,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: MBLK_0307VAR47r, QC ;0307VAR ,
Raw File: G:\Org\VAR\DAT\VAR030722_b\0307VARB.0047.RAW
Date & Time Acquired: 3/8/2022 10:15:45 AM
Method File: G:\Org\VAR\Methods\211208GMB0307_47DoDB%.MET
Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

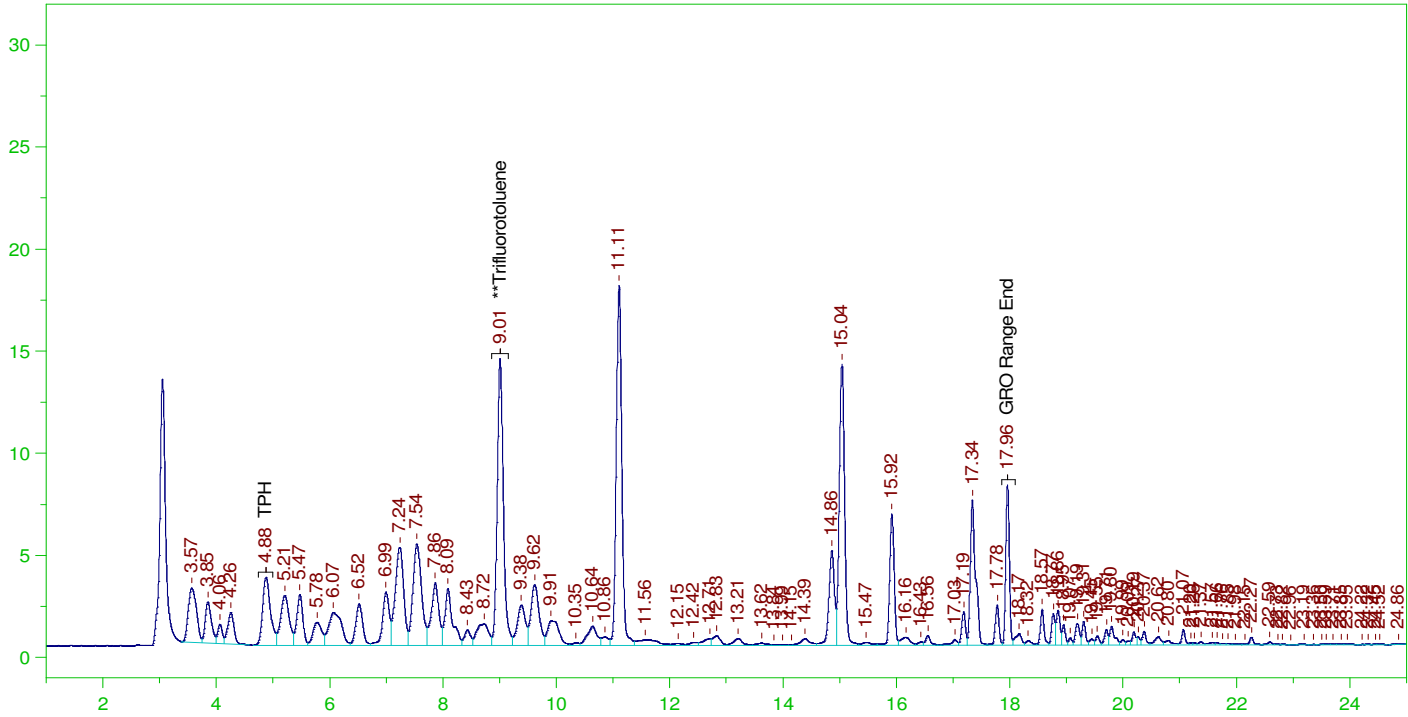
Mean RF for C6 to C10: 979.9788
Mean RF for TPH: 955.6747
Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.006	25.	20.476	81.9

C6 to C10 Area:6583.511 C6 to C10 Amount: 1.343603
TPH Area:9988.55 TPH Amount: 2.090366

G:\Org\VAR\DAT\VAR030722_b\0307VARB.0048.RAW

B22030244-007FMS, GQC ;0307VAR , \$HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22030244-007FMS, GQC ;0307VAR , \$HC-8015-GRO-W,
Raw File: G:\Org\VAR\DAT\VAR030722_b\0307VARB.0048.RAW
Date & Time Acquired: 3/8/2022 10:49:49 AM
Method File: G:\Org\VAR\Methods\211208G244-7MSDoDB%.MET
Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

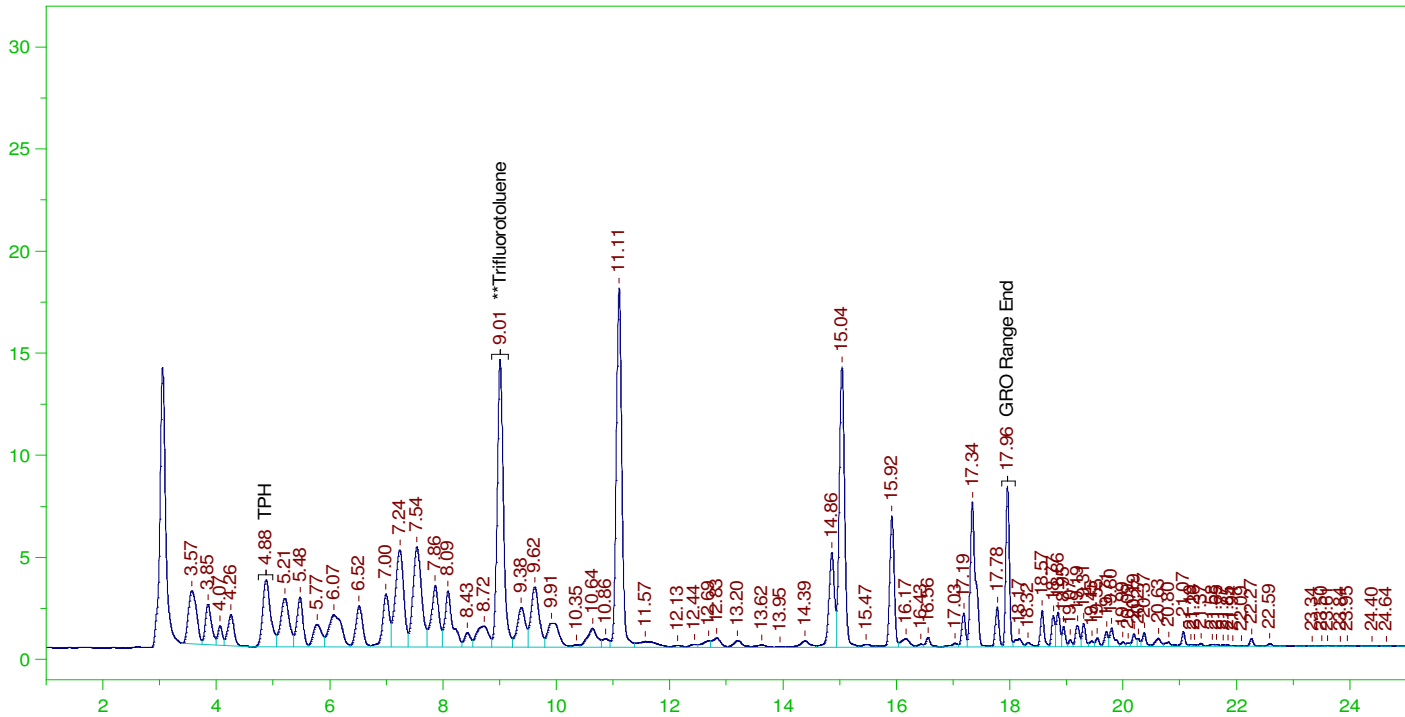
Mean RF for C6 to C10: 979.9788
Mean RF for TPH: 955.6747
Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.007	25.	22.976	91.9

C6 to C10 Area:832853.9 C6 to C10 Amount: 169.9739
TPH Area:979455.3 TPH Amount: 204.9767

G:\Org\VAR\DAT\VAR030722_b\0307VARB.0049.RAW

B22030244-007FMSD, GQC ;0307VAR , \$HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22030244-007FMSD, GQC ;0307VAR , \$HC-8015-GRO-W,
Raw File: G:\Org\VAR\DAT\VAR030722_b\0307VARB.0049.RAW
Date & Time Acquired: 3/8/2022 11:23:51 AM
Method File: G:\Org\VAR\Methods\211208G244-7MSDDoDB%.MET
Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

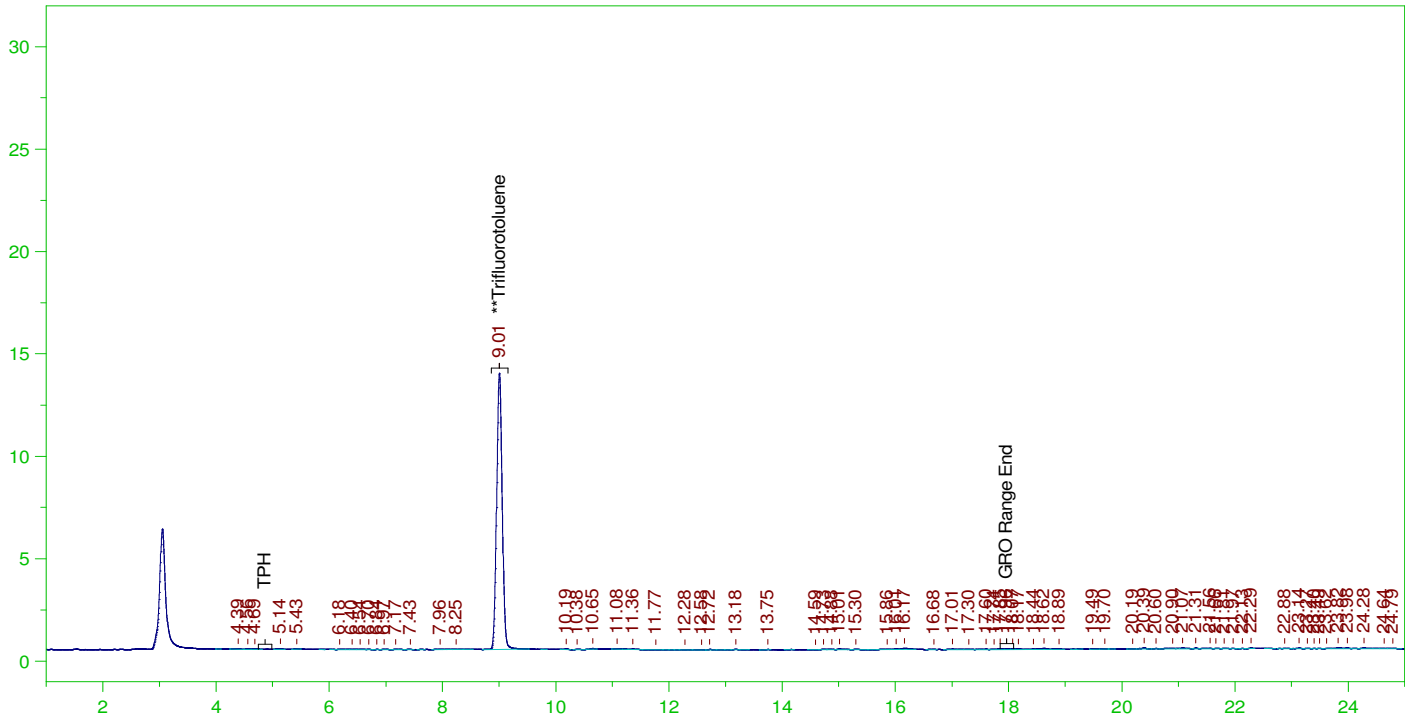
Mean RF for C6 to C10: 979.9788
Mean RF for TPH: 955.6747
Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.008	25.	23.053	92.21

C6 to C10 Area:827891.4 C6 to C10 Amount: 168.9611
TPH Area:967231.1 TPH Amount: 202.4185

G:\Org\VAR\DAT\VAR030722_b\0307VARB.0050.RAW

BLANK



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\VAR\DAT\VAR030722_b\0307VARB.0050.RAW
 Date & Time Acquired: 3/8/2022 11:57:55 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

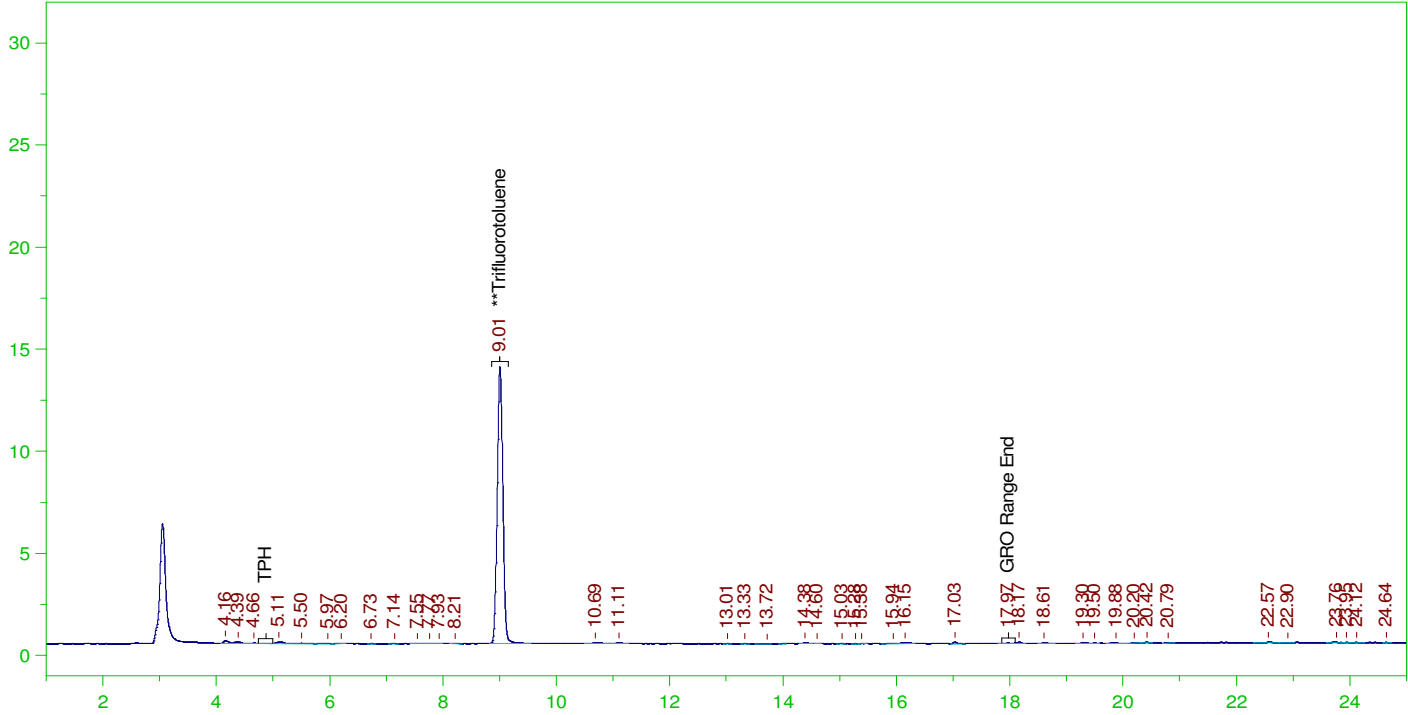
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.006	125.	100.53	80.42

C6 to C10 Area:5290.113 C6 to C10 Amount: 5.398191
 TPH Area:10576.75 TPH Amount: 11.06731

ERH2588 (RHMW12A)

G:\Org\VAR\DAT\VAR030722_b\0307VARB.0051.RAW

B22030244-037F ;0307VAR , \$HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22030244-037F ;0307VAR , \$HC-8015-GRO-W,
Raw File: G:\Org\VAR\DAT\VAR030722_b\0307VARB.0051.RAW
Date & Time Acquired: 3/8/2022 12:32:04 PM
Method File: G:\Org\VAR\Methods\211208G244-37DoDB%.MET
Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

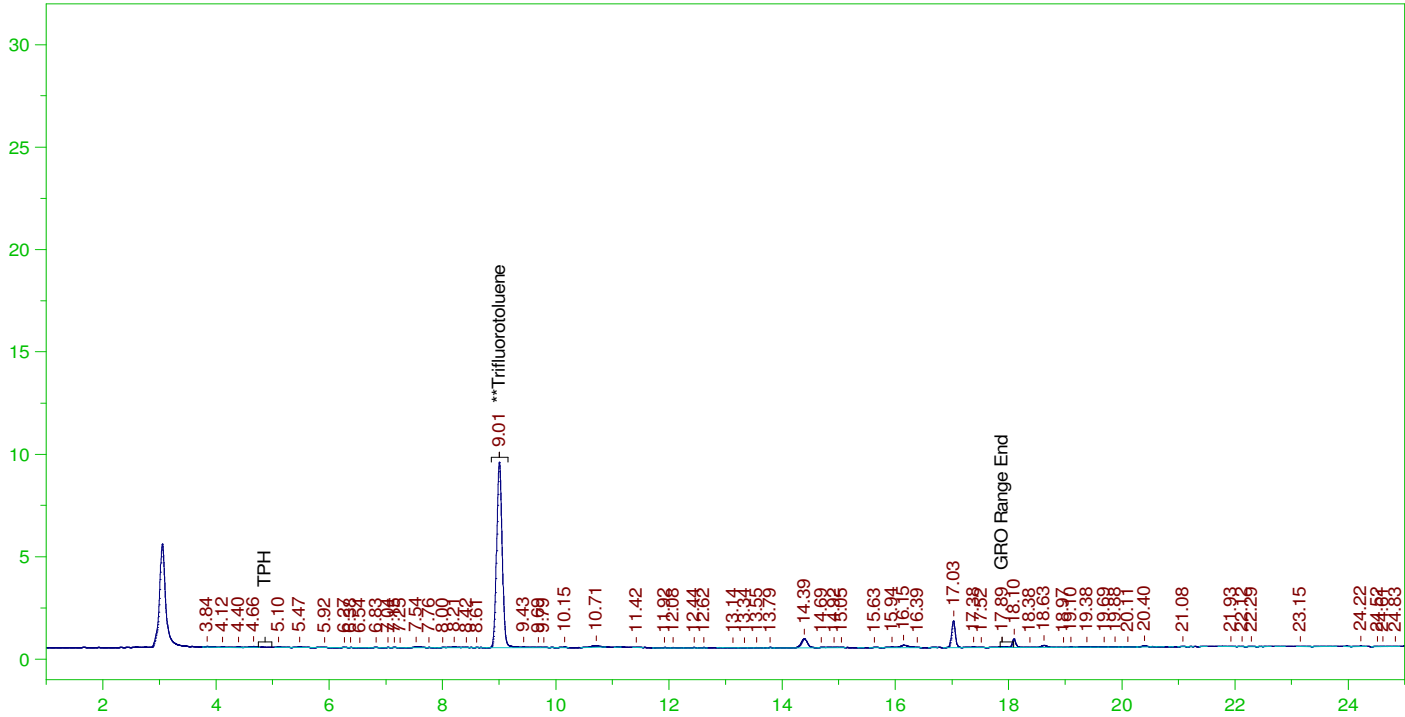
Mean RF for C6 to C10: 979.9788
Mean RF for TPH: 955.6747
Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.006	25.	20.195	80.78

C6 to C10 Area:4925.678 C6 to C10 Amount: 1.005262
TPH Area:9785.423 TPH Amount: 2.047857

G:\Org\VAR\DAT\VAR030722_b\0307VARB.0052.RAW

BLANK



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\VAR\DAT\VAR030722_b\0307VARB.0052.RAW
 Date & Time Acquired: 3/8/2022 1:06:15 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

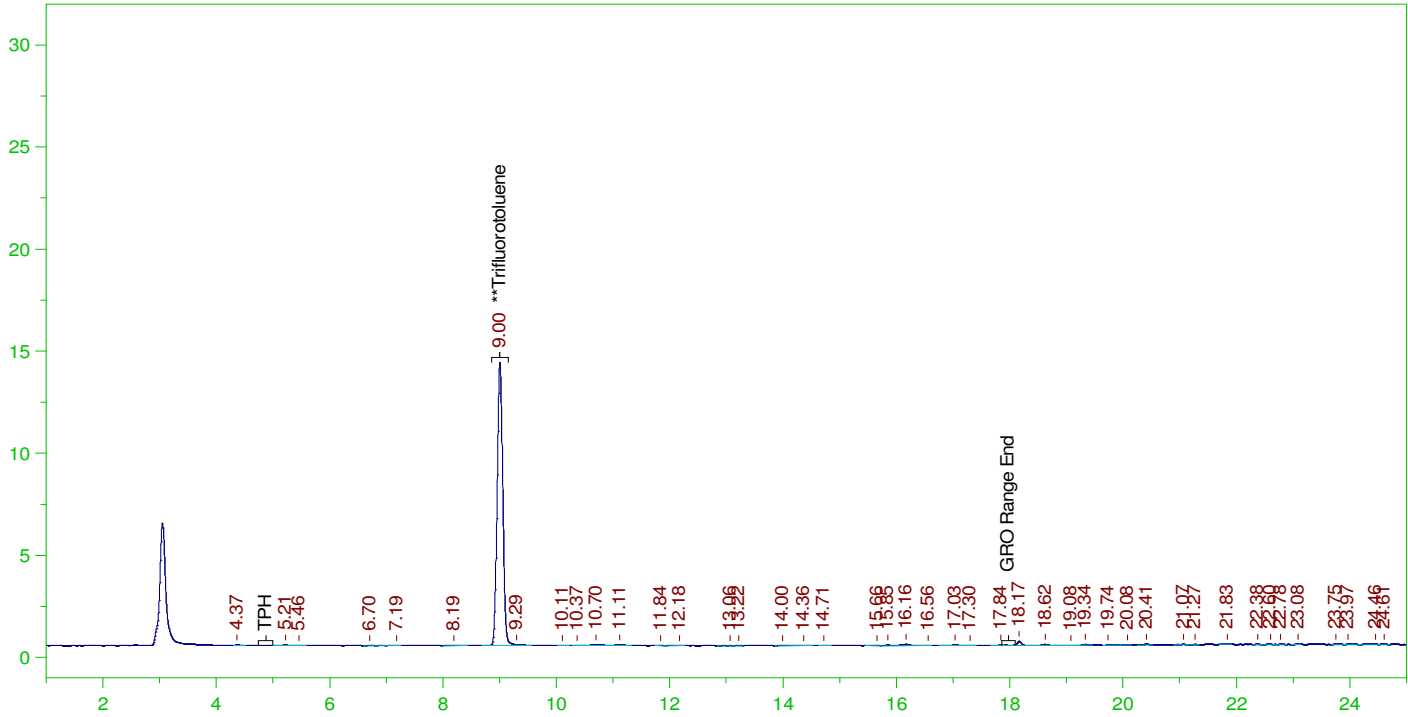
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.005	125.	67.581	54.06

C6 to C10 Area:17296.63 C6 to C10 Amount: 17.65
 TPH Area:24065.56 TPH Amount: 25.18175

ERH2596 (RHMW16)

G:\Org\VAR\DAT\VAR030722_b\0307VARB.0053.RAW

B22030244-042F ;0307VAR , \$HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22030244-042F ;0307VAR , \$HC-8015-GRO-W,
Raw File: G:\Org\VAR\DAT\VAR030722_b\0307VARB.0053.RAW
Date & Time Acquired: 3/8/2022 1:40:22 PM
Method File: G:\Org\VAR\Methods\211208G244-42DoDB%.MET
Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

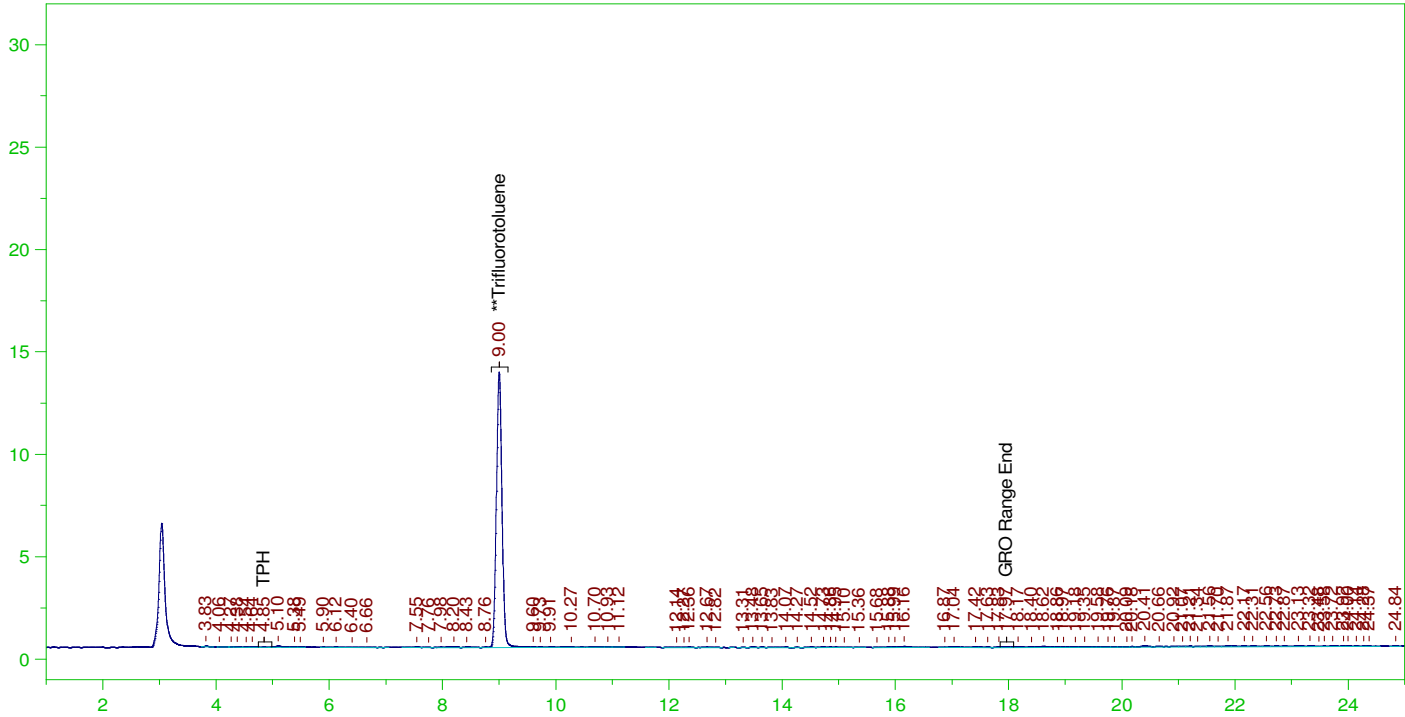
Mean RF for C6 to C10: 979.9788
Mean RF for TPH: 955.6747
Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.004	25.	20.644	82.58

C6 to C10 Area:5106.98 C6 to C10 Amount: 1.042263
TPH Area:9300.672 TPH Amount: 1.94641

G:\Org\VAR\DAT\VAR030722_b\0307VARB.0054.RAW

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GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\VAR\DAT\VAR030722_b\0307VARB.0054.RAW
 Date & Time Acquired: 3/8/2022 2:14:29 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

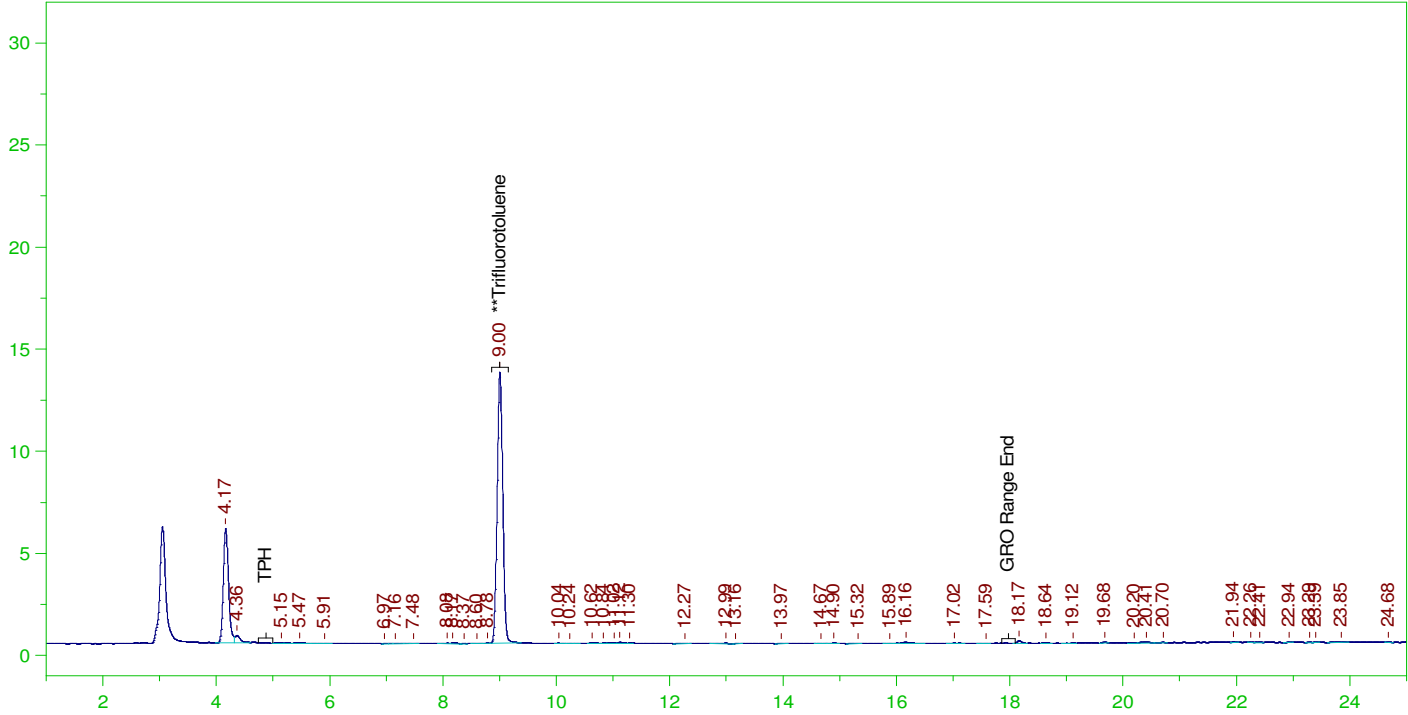
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.002	125.	100.712	80.57

C6 to C10 Area: 8194.224 C6 to C10 Amount: 8.361633
 TPH Area: 17481.39 TPH Amount: 18.29219

ERH2592 (RHMW14-3)

G:\Org\VAR\DAT\VAR030722_b\0307VARB.0055.RAW

B22030244-047F ;0307VAR , \$HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22030244-047F ;0307VAR , \$HC-8015-GRO-W,
Raw File: G:\Org\VAR\DAT\VAR030722_b\0307VARB.0055.RAW
Date & Time Acquired: 3/8/2022 2:48:36 PM
Method File: G:\Org\VAR\Methods\211208G244-47DoDB%.MET
Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

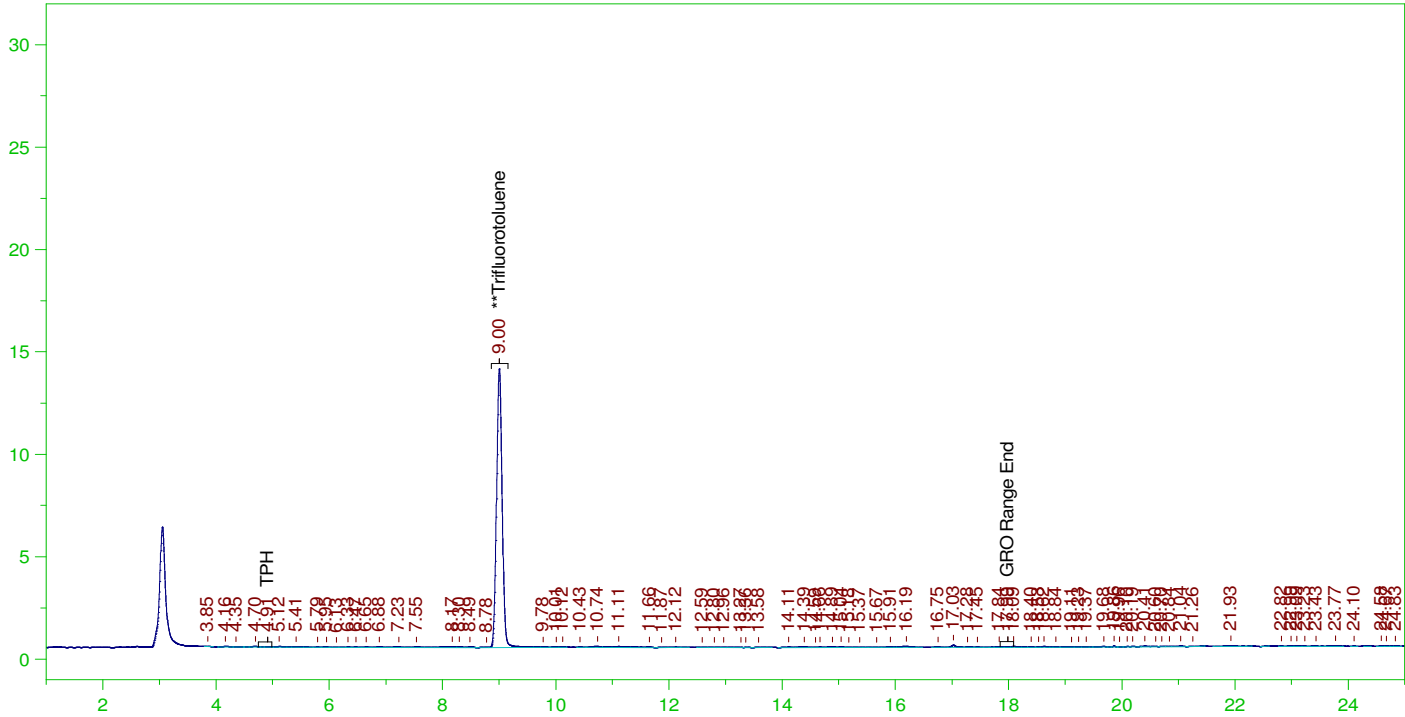
Mean RF for C6 to C10: 979.9788
Mean RF for TPH: 955.6747
Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.004	25.	19.723	78.89

C6 to C10 Area:5443.976 C6 to C10 Amount: 1.111039
TPH Area:47828.52 TPH Amount: 10.00937

G:\Org\VAR\DAT\VAR030722_b\0307VARB.0056.RAW

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GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\VAR\DAT\VAR030722_b\0307VARB.0056.RAW
 Date & Time Acquired: 3/8/2022 3:22:43 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

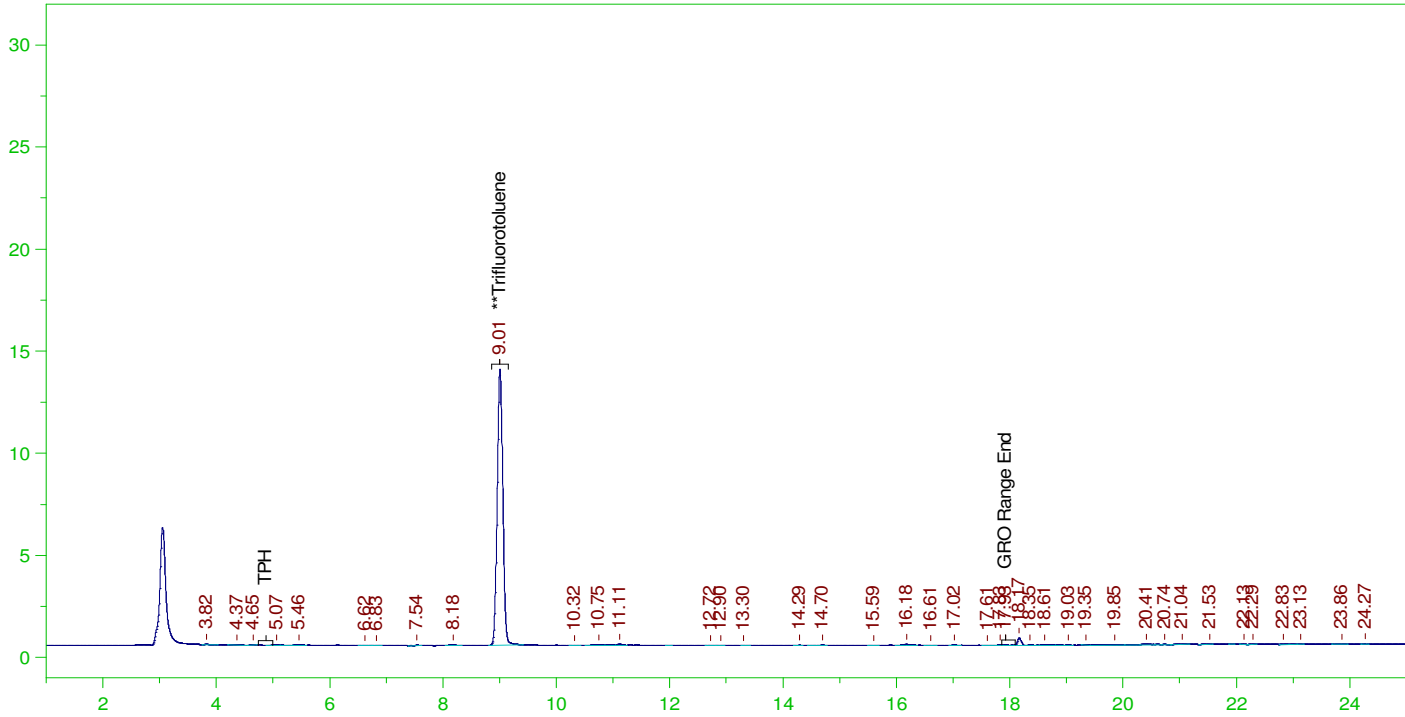
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.004	125.	102.17	81.74

C6 to C10 Area:8996.151 C6 to C10 Amount: 9.179945
 TPH Area:14882.96 TPH Amount: 15.57325

ERH2574 (RHMW16A)

G:\Org\VAR\DAT\VAR030722_b\0307VARB.0057.RAW

B22030244-012F ;0307VAR , \$HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22030244-012F ;0307VAR , \$HC-8015-GRO-W,
Raw File: G:\Org\VAR\DAT\VAR030722_b\0307VARB.0057.RAW
Date & Time Acquired: 3/8/2022 3:56:53 PM
Method File: G:\Org\VAR\Methods\211208G244-12DoDB%.MET
Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

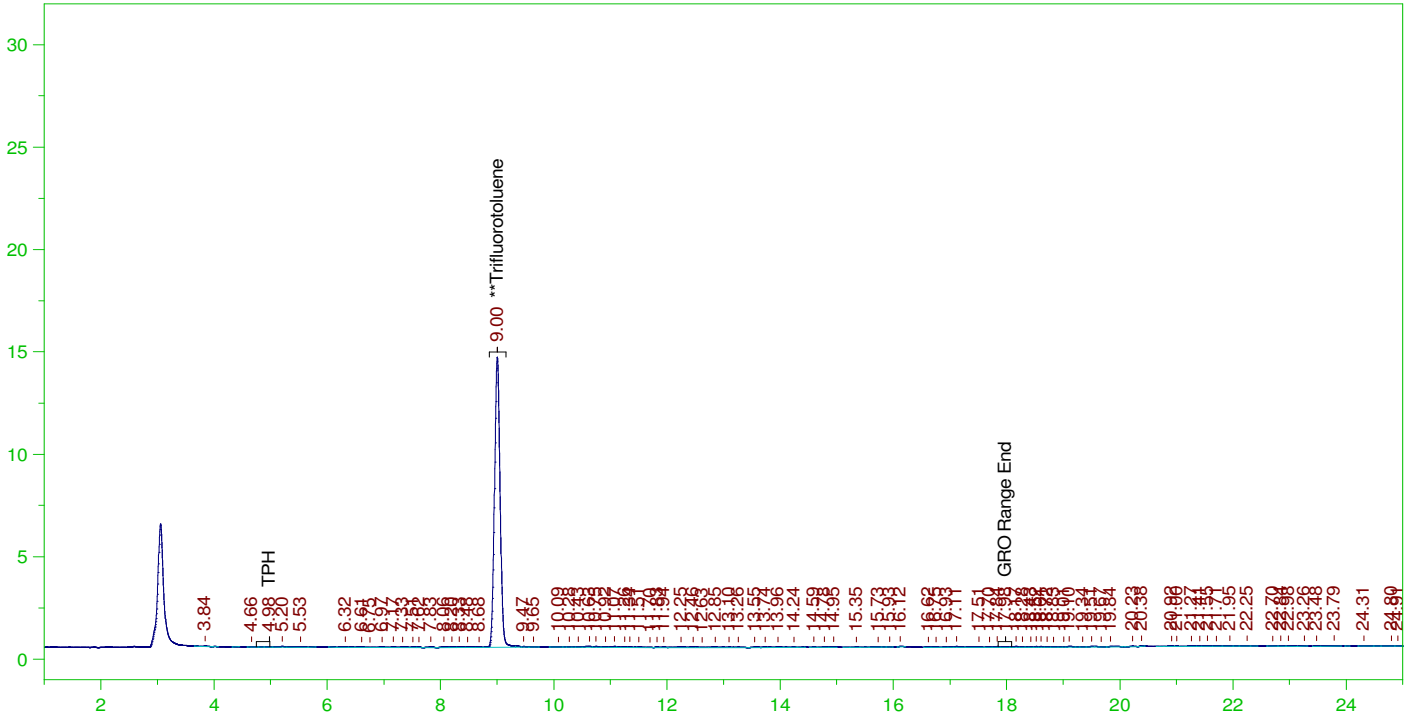
Mean RF for C6 to C10: 979.9788
Mean RF for TPH: 955.6747
Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.005	25.	20.148	80.59

C6 to C10 Area:3289.401 C6 to C10 Amount: 0.6713209
TPH Area:8687.529 TPH Amount: 1.818093

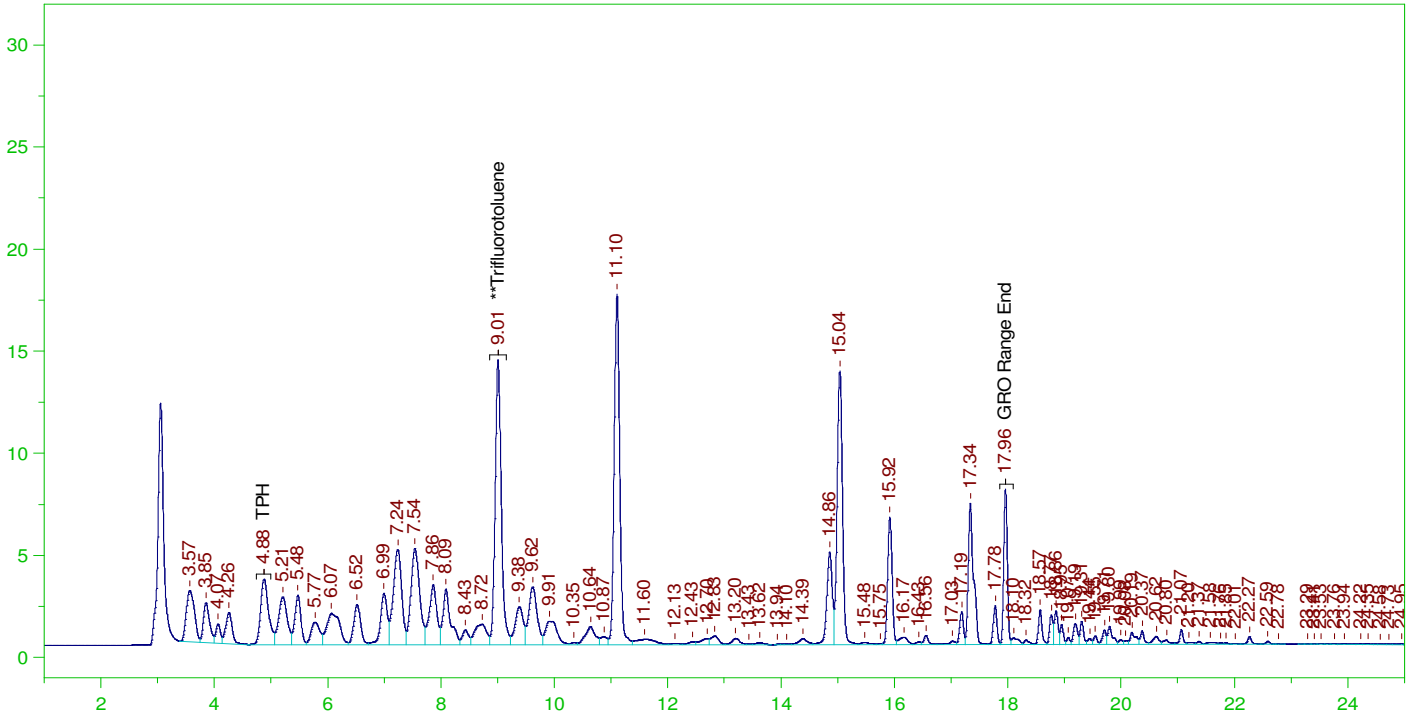
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G:\Org\VAR\DAT\VAR030722_b\0307VARB.0059.RAW

B22030244-042FMS, GQC ;0307VAR , \$HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22030244-042FMS, GQC ;0307VAR , \$HC-8015-GRO-W,
Raw File: G:\Org\VAR\DAT\VAR030722_b\0307VARB.0059.RAW
Date & Time Acquired: 3/8/2022 5:05:11 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

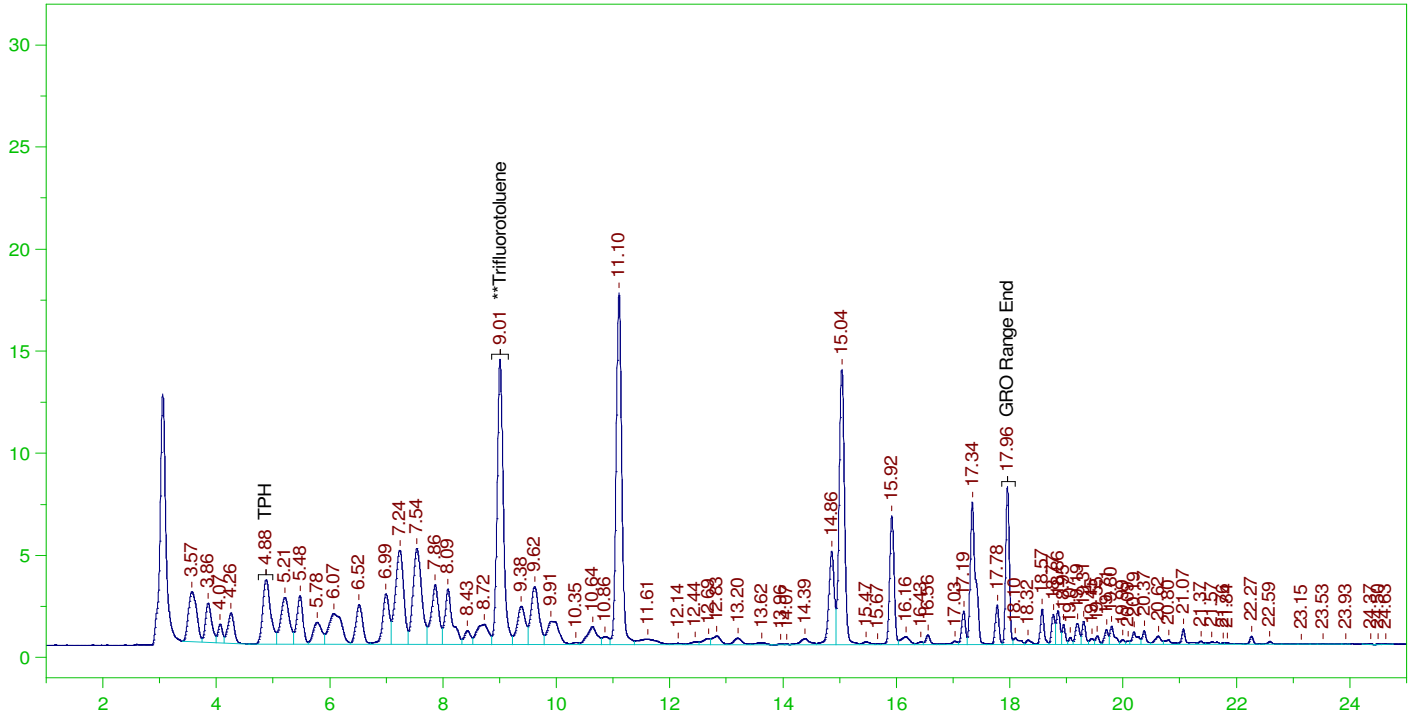
Mean RF for C6 to C10: 979.9788
Mean RF for TPH: 955.6747
Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.006	25.	22.827	91.31

C6 to C10 Area:808519 C6 to C10 Amount: 165.0074
TPH Area:947852.5 TPH Amount: 198.363

G:\Org\VAR\DAT\VAR030722_b\0307VARB.0060.RAW

B22030244-042FMSD, GQC ;0307VAR , \$HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22030244-042FMSD, GQC ;0307VAR , \$HC-8015-GRO-W,
Raw File: G:\Org\VAR\DAT\VAR030722_b\0307VARB.0060.RAW
Date & Time Acquired: 3/8/2022 5:39:20 PM
Method File: G:\Org\VAR\Methods\211208G244-42MSDDoDB%.MET
Calibration File: G:\Org\VAR\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

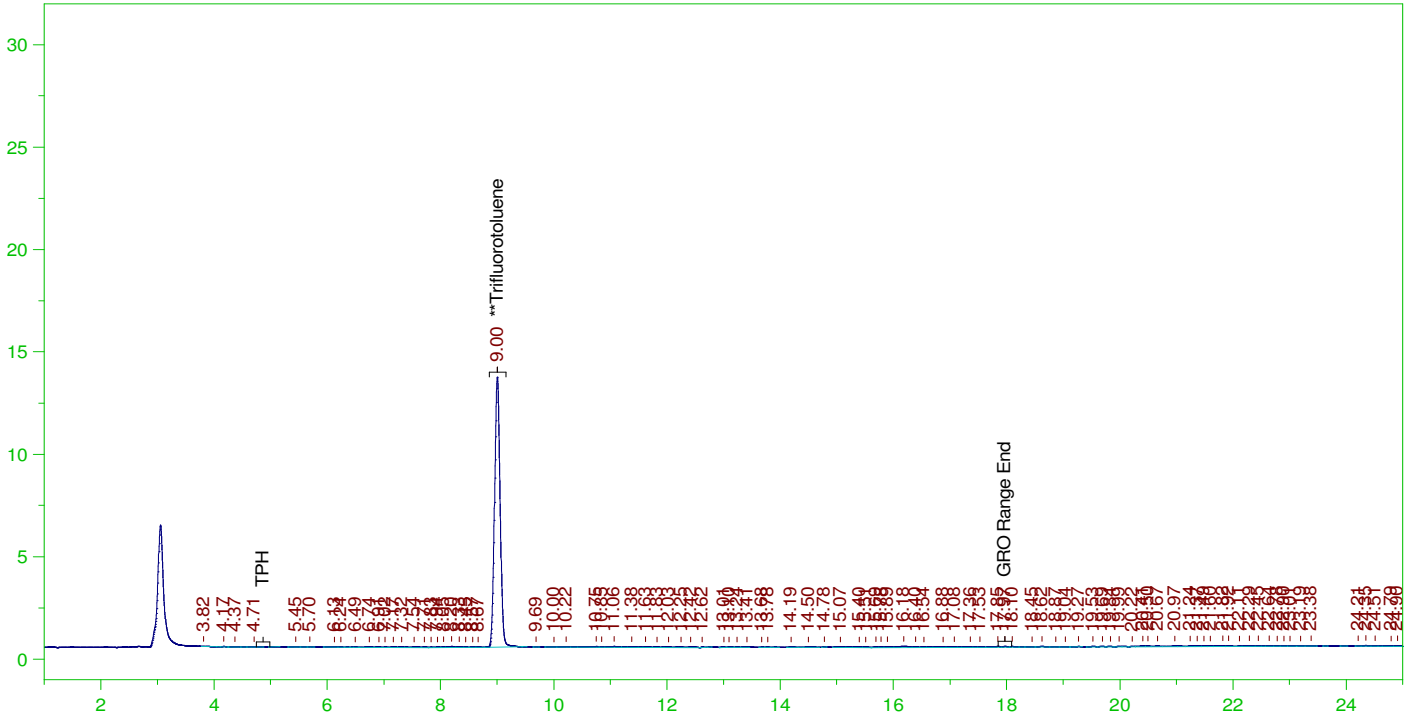
Mean RF for C6 to C10: 979.9788
Mean RF for TPH: 955.6747
Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.006	25.	22.87	91.48

C6 to C10 Area:805174.5 C6 to C10 Amount: 164.3249
TPH Area:943339.4 TPH Amount: 197.4185

G:\Org\VAR\DAT\VAR030722_b\0307VARB.0061.RAW

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GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\VAR\DAT\VAR030722_b\0307VARB.0061.RAW
 Date & Time Acquired: 3/8/2022 6:13:30 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

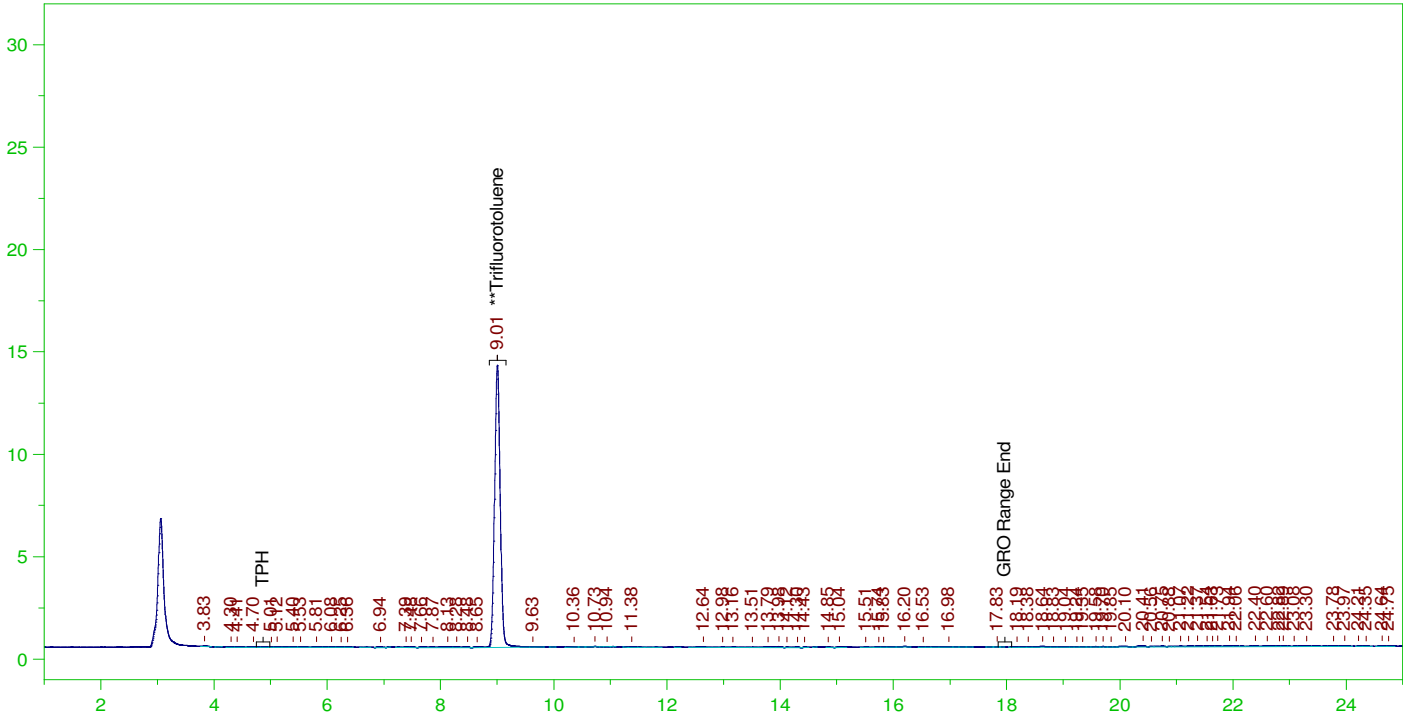
Mean RF for C6 to C10: 979.9788
 Mean RF for TPH: 955.6747
 Rt range for Gasoline Range Organics: 4.75 to 18.09

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	9.004	125.	98.333	78.67

C6 to C10 Area:9900.347 C6 to C10 Amount: 10.10261
 TPH Area:18057.46 TPH Amount: 18.89498

G:\Org\VAR\DAT\VAR030722_b\0307VARB.0062.RAW

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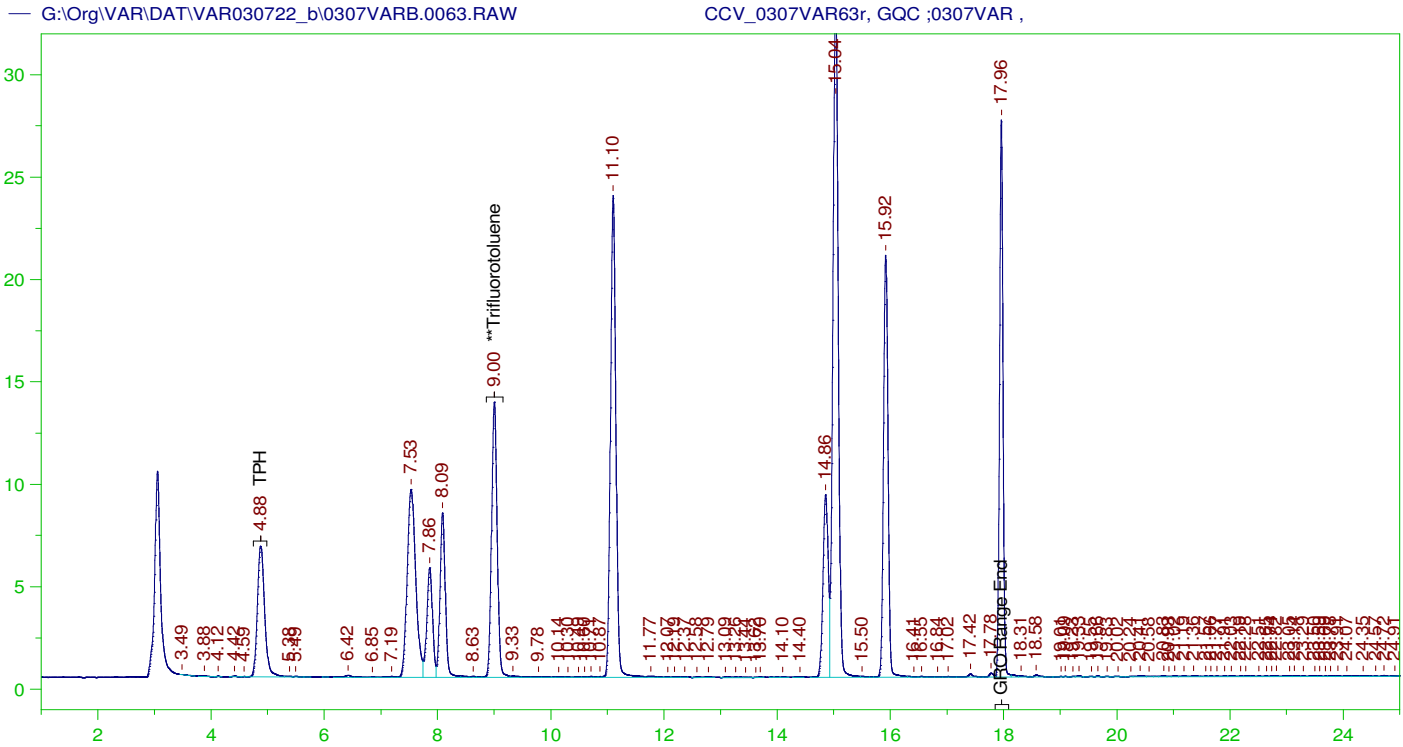
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\VAR\DAT\VAR030722_b\0307VARB.0062.RAW
 Date & Time Acquired: 3/8/2022 6:47:40 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	9.005	125.	103.91	83.13

C6 to C10 Area: 7150.468 C6 to C10 Amount: 7.296554
 TPH Area: 16421.76 TPH Amount: 17.18342



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_0307VAR63r, GQC ;0307VAR ,
Raw File: G:\Org\VAR\DAT\VAR030722_b\0307VARB.0063.RAW
Date & Time Acquired: 3/8/2022 7:21:49 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	9.005	125.	100.882	80.71	-

C6 to C10 Area:923258.3 C6 to C10 Amount: 942.1206
TPH Area:933428.7 TPH Amount: 976.7222

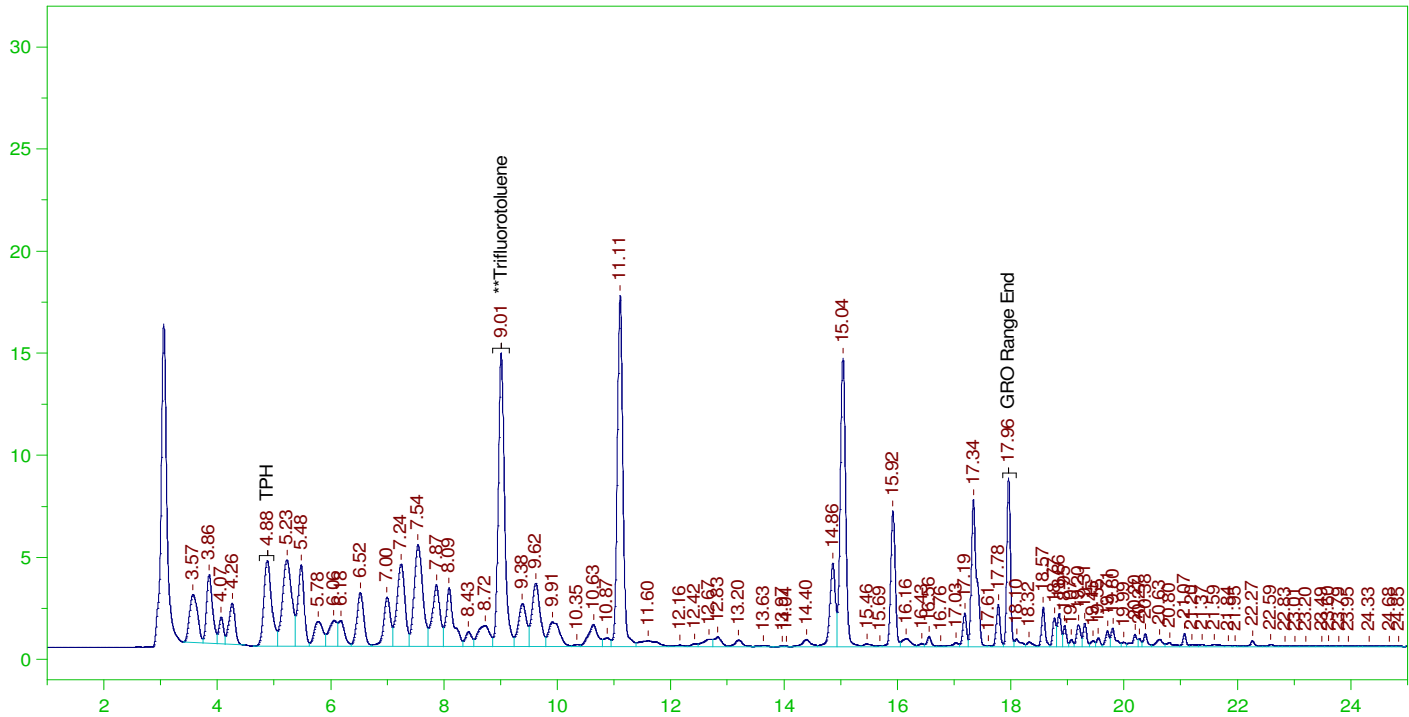
CONTINUING CALIBRATION REPORT: G:\Org\VAR\DAT\VAR030722_b\0307VARB.0063.RAW

COMPOUND	ACTUAL (NG)	MEASURED (NG)	%RECOVERY	LIMITS
C6 to C10	840.	942.12	112.16	85-115
TPH	1000.	976.72	97.67	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	9.005	125.	100.882	80.71	85-115

G:\Org\VAR\DAT\VAR030722_b\0307VARB.0064.RAW

CCV_0307VAR64r, GQC ;0307VAR ,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_0307VAR64r, GQC ;0307VAR ,
Raw File: G:\Org\VAR\DAT\VAR030722_b\0307VARB.0064.RAW
Date & Time Acquired: 3/8/2022 7:55:57 PM
Method File: G:\Org\VAR\Methods\211208GCCV0307_64DoDB%.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.	119.515	95.61	-

C6 to C10 Area:878255 C6 to C10 Amount: 896.1979
TPH Area:1032091 TPH Amount: 1079.96

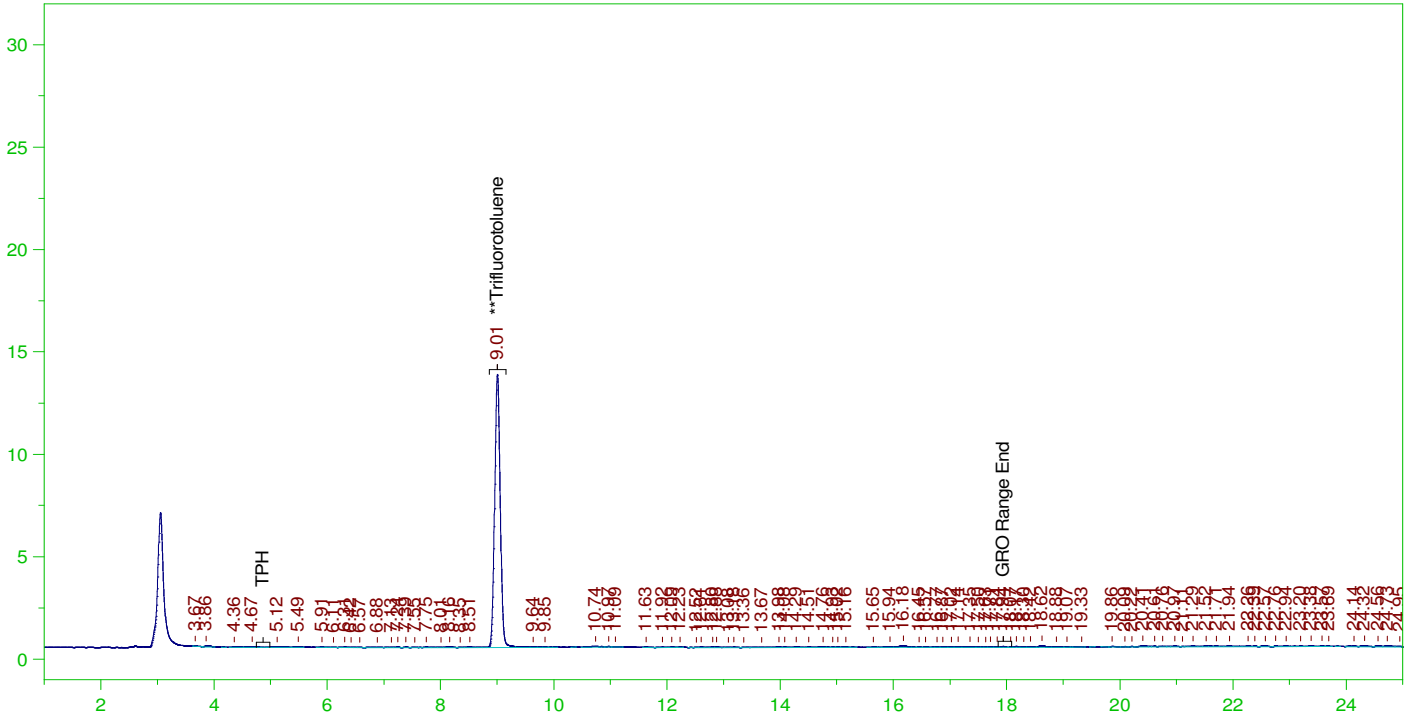
CONTINUING CALIBRATION REPORT: G:\Org\VAR\DAT\VAR030722_b\0307VARB.0064.RAW

COMPOUND	ACTUAL (NG)	MEASURED (NG)	%RECOVERY	LIMITS
C6 to C10	840.	896.2	106.69	85-115
TPH	1000.	1079.96	108.	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	9.009	125.	119.515	95.61	85-115

G:\Org\VAR\DAT\VAR030722_b\0307VARB.0065.RAW

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Write Sequence	Insert Entries(Have the first cell for entries selector)	Method	Weight	Dil Factor	Amt Inj.	IS	Cal ID	Manual Integrations
Data File	Sample Name							
G:\Org\VAR\DAT\VAR030722_b\0307VAR.01r	BLANK	G:\Org\VAR\Methods\21120	1	1	1	1	0	None
G:\Org\VAR\DAT\VAR030722_b\0307VAR.02r	BLANK	G:\Org\VAR\Methods\21120	1	1	1	1	0	None
G:\Org\VAR\DAT\VAR030722_b\0307VAR.03r	BLANK	G:\Org\VAR\Methods\21120	1	1	1	1	0	None
G:\Org\VAR\DAT\VAR030722_b\0307VAR.04r	BLANK	G:\Org\VAR\Methods\21120	1	1	1	1	0	None
G:\Org\VAR\DAT\VAR030722_b\0307VAR.05r	CCV_0307VAR05r, GQC ;0307VAR ,	G:\Org\VAR\Methods\21120	1	1	1	1	0	None
G:\Org\VAR\DAT\VAR030722_b\0307VAR.06r	CCV_0307VAR06r, GQC ;0307VAR ,	G:\Org\VAR\Methods\21120	1	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\VAR\DAT\VAR030722_b\0307VAR.07r	LCS_0307VAR07r, GQC ;0307VAR ,	G:\Org\VAR\Methods\21120	5	1	1	1	0	None
G:\Org\VAR\DAT\VAR030722_b\0307VAR.08r	BLANK	G:\Org\VAR\Methods\21120	1	1	1	1	0	None
G:\Org\VAR\DAT\VAR030722_b\0307VAR.09r	MBLK_0307VAR09r, QC ;0307VAR ,	G:\Org\VAR\Methods\21120	5	1	1	1	0	None
G:\Org\VAR\DAT\VAR030722_b\0307VAR.10r	B22030244-001F ;0307VAR , \$HC-8015-GRO-W,	G:\Org\VAR\Methods\21120	5	1	1	1	0	None
G:\Org\VAR\DAT\VAR030722_b\0307VAR.11r	LCS_0307VAR11r, GQC ;0307VAR ,	G:\Org\VAR\Methods\21120	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\VAR\DAT\VAR030722_b\0307VAR.12r	MBLK_0307VAR12r, QC ;0307VAR ,	G:\Org\VAR\Methods\21120	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\VAR\DAT\VAR030722_b\0307VAR.13r	BLANK	G:\Org\VAR\Methods\21120	1	1	1	1	0	None
G:\Org\VAR\DAT\VAR030722_b\0307VAR.14r	B22030244-007F ;0307VAR , \$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\VAR030722_b\0307VAR.15r	BLANK	G:\Org\VAR\Methods\21120	1	1	1	1	0	None
G:\Org\VAR\DAT\VAR030722_b\0307VAR.16r	B22030244-004A ;0307VAR , \$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\VAR030722_b\0307VAR.17r	B22030244-009A ;0307VAR , \$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\VAR030722_b\0307VAR.18r	B22030244-014A ;0307VAR , \$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\VAR030722_b\0307VAR.19r	B22030244-019A ;0307VAR , \$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\VAR030722_b\0307VAR.20r	B22030244-024A ;0307VAR , \$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\VAR030722_b\0307VAR.21r	B22030244-029A ;0307VAR , \$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\VAR030722_b\0307VAR.22r	B22030244-034A ;0307VAR , \$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\VAR030722_b\0307VAR.23r	CCV_0307VAR23r, GQC ;0307VAR ,	G:\Org\VAR\Methods\21120	1	1	1	1	0	None
G:\Org\VAR\DAT\VAR030722_b\0307VAR.24r	CCV_0307VAR24r, GQC ;0307VAR ,	G:\Org\VAR\Methods\21120	1	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\VAR\DAT\VAR030722_b\0307VAR.25r	LCS_0307VAR25r, GQC ;0307VAR ,	G:\Org\VAR\Methods\21120	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\VAR\DAT\VAR030722_b\0307VAR.26r	BLANK	G:\Org\VAR\Methods\21120	1	1	1	1	0	None
G:\Org\VAR\DAT\VAR030722_b\0307VAR.27r	MBLK_0307VAR27r, QC ;0307VAR ,	G:\Org\VAR\Methods\21120	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\VAR\DAT\VAR030722_b\0307VAR.28r	B22030244-039A ;0307VAR , \$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\VAR030722_b\0307VAR.29r	B22030244-044A ;0307VAR , \$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\VAR030722_b\0307VAR.30r	B22030244-049A ;0307VAR , \$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\VAR030722_b\0307VAR.31r	B22030244-001F ;0307VAR , \$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\VAR030722_b\0307VAR.32r	BLANK	G:\Org\VAR\Methods\21120	1	1	1	1	0	None
G:\Org\VAR\DAT\VAR030722_b\0307VAR.33r	B22030244-002C ;0307VAR , \$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\VAR030722_b\0307VAR.34r	BLANK	G:\Org\VAR\Methods\21120	1	1	1	1	0	None
G:\Org\VAR\DAT\VAR030722_b\0307VAR.35r	B22030244-017F ;0307VAR , \$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\VAR030722_b\0307VAR.36r	BLANK	G:\Org\VAR\Methods\21120	1	1	1	1	0	None
G:\Org\VAR\DAT\VAR030722_b\0307VAR.37r	B22030244-022F ;0307VAR , \$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\VAR030722_b\0307VAR.38r	BLANK	G:\Org\VAR\Methods\21120	1	1	1	1	0	None
G:\Org\VAR\DAT\VAR030722_b\0307VAR.39r	B22030244-027F ;0307VAR , \$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\VAR030722_b\0307VAR.40r	BLANK	G:\Org\VAR\Methods\21120	1	1	1	1	0	None

G:\Org\VAR\DAT\VAR030722_b\0307VAR.41r	B22030244-032G ;0307VAR , \$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\VAR030722_b\0307VAR.42r	BLANK	G:\Org\VAR\Methods\21120	1	1	1	1	0	None
G:\Org\VAR\DAT\VAR030722_b\0307VAR.43r	CCV_0307VAR43r, GQC ;0307VAR ,	G:\Org\VAR\Methods\21120	1	1	1	1	0	None
G:\Org\VAR\DAT\VAR030722_b\0307VAR.44r	CCV_0307VAR44r, GQC ;0307VAR ,	G:\Org\VAR\Methods\21120	1	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\VAR\DAT\VAR030722_b\0307VAR.45r	LCS_0307VAR45r, GQC ;0307VAR ,	G:\Org\VAR\Methods\21120	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\VAR\DAT\VAR030722_b\0307VAR.46r	BLANK	G:\Org\VAR\Methods\21120	1	1	1	1	0	None
G:\Org\VAR\DAT\VAR030722_b\0307VAR.47r	MBLK_0307VAR47r, QC ;0307VAR ,	G:\Org\VAR\Methods\21120	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\VAR\DAT\VAR030722_b\0307VAR.48r	B22030244-007FMS, GQC ;0307VAR , \$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\VAR030722_b\0307VAR.49r	B22030244-007FMSD, GQC ;0307VAR , \$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\VAR030722_b\0307VAR.50r	BLANK	G:\Org\VAR\Methods\21120	1	1	1	1	0	None
G:\Org\VAR\DAT\VAR030722_b\0307VAR.51r	B22030244-037F ;0307VAR , \$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\VAR030722_b\0307VAR.52r	BLANK	G:\Org\VAR\Methods\21120	1	1	1	1	0	None
G:\Org\VAR\DAT\VAR030722_b\0307VAR.53r	B22030244-042F ;0307VAR , \$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\VAR030722_b\0307VAR.54r	BLANK	G:\Org\VAR\Methods\21120	1	1	1	1	0	None
G:\Org\VAR\DAT\VAR030722_b\0307VAR.55r	B22030244-047F ;0307VAR , \$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\VAR030722_b\0307VAR.56r	BLANK	G:\Org\VAR\Methods\21120	1	1	1	1	0	None
G:\Org\VAR\DAT\VAR030722_b\0307VAR.57r	B22030244-012F ;0307VAR , \$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\VAR030722_b\0307VAR.58r	BLANK	G:\Org\VAR\Methods\21120	1	1	1	1	0	None
G:\Org\VAR\DAT\VAR030722_b\0307VAR.59r	B22030244-042FMS, GQC ;0307VAR , \$HC-8015-GRO-W,	G:\Org\VAR\Methods\21120	5	1	1	1	0	None
G:\Org\VAR\DAT\VAR030722_b\0307VAR.60r	B22030244-042FMSD, GQC ;0307VAR , \$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\VAR030722_b\0307VAR.61r	BLANK	G:\Org\VAR\Methods\21120	1	1	1	1	0	None
G:\Org\VAR\DAT\VAR030722_b\0307VAR.62r	BLANK	G:\Org\VAR\Methods\21120	1	1	1	1	0	None

G:\Org\VAR\DAT\VAR030722_b\0307VAR.63r	CCV_0307VAR63r, GQC ;0307VAR ,	G:\Org\VAR\Methods\21120	1	1	1	1	0	None
G:\Org\VAR\DAT\VAR030722_b\0307VAR.64r	CCV_0307VAR64r, GQC ;0307VAR ,	G:\Org\VAR\Methods\21120	1	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\VAR\DAT\VAR030722_b\0307VAR.65r	BLANK	G:\Org\VAR\Methods\21120	1	1	1	1	0	None

Josie M Pickard
Chemist

Digitally signed by
Josie Pickard
Date: 2022.03.09 07:56:33 -07:00



Analytical RunID VARIAN1_211208B Standards Traceability Report

Standard ID: 3GAS160127

Standard Name: Alaska Gasoline Calibration Mix Version 4/8/02

Prep Date: 1/27/2016

Exp Date: 6/7/2023

Department: GCVOA

Vendor: Accustandard

Lot Number: 213051468

Balance ID:

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

Type: Neat

Prep By: Josie Pickard

Status: New

Final Volume: 5 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Alaska Gasoline Calibration Mix Version 4/8/02	<u>8120</u>	5	mL	6/7/2023

Stock Source	Base Units	Amount Added
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Analytical RunID VARIAN1_211208B Standards Traceability Report

Standard ID: GAS210122

Standard Name: Unleaded Gasoline Comp. Std.(2.0uL)

Prep Date: 1/22/2021

Exp Date: 6/7/2023

Department: GCVOA

Vendor:

Lot Number:

Balance ID:

Comments: Concentration : 4.2ug/ul

Type: Secondary

Prep By: Josie Pickard

Status: New

Final Volume: 10 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Methanol, Purge and Trap DZ880	<u>13323</u>	10	mL	6/7/2023

Stock Source	Base Units	Amount Added
GASH210122	ug/mL	0.84 mL



Analytical RunID VARIAN1_211208B Standards Traceability Report

Standard ID: GASH210122

Standard Name: Unleaded Gasoline Composite

Prep Date: 1/22/2021

Exp Date: 6/7/2023

Department: GCVOA

Vendor:

Lot Number:

Balance ID:

Comments: Concentration : 50,000 ug/ml

Type: Primary

Prep By: Josie Pickard

Status: New

Final Volume: 10 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Methanol, Purge and Trap DZ880	<u>13323</u>	10	mL	6/7/2023

Stock Source	Base Units	Amount Added
3GAS160127	ug/mL	0.5022 g



Analytical RunID VARIAN1_211208B Standards Traceability Report

Standard ID: GASL211208

Standard Name: Low Gasoline Std.

Prep Date: 12/8/2021

Exp Date: 6/7/2023

Department: GCVOA

Vendor:

Lot Number:

Balance ID:

Comments: concentration 0.42ug/ul

Type: Secondary

Prep By: Josie Pickard

Status: Open

Final Volume: 1 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Methanol, Purge and Trap EB199	<u>14400</u>	0.9	mL	6/7/2023

Stock Source	Base Units	Amount Added
GAS210122	ug/mL	0.1 mL



Analytical RunID VARIAN1_211208B Standards Traceability Report

Standard ID: GQC201214

Standard Name: Gasoline Composite Mix (1.68uL)

Prep Date: 12/14/2020

Exp Date: 4/2/2030

Department: GCVOA

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

Type: Primary

Prep By: Josie Pickard

Status: New

Final Volume: 5 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Gasoline Composite Mix	<u>13338</u>	5	mL	4/2/2030

Stock Source	Base Units	Amount Added
GQC201214	ug/mL	5 mL



Analytical RunID VARIAN1_211208B Standards Traceability Report

Standard ID: GROS200921

Standard Name: Gro Stock Standard Mt.Gro

Prep Date: 9/21/2020

Exp Date: 3/28/2029

Department: GCVOA

Vendor: Accustandard

Lot Number: 219031408

Balance ID:

Comments: 10 Component Mix (varing concentrations) 100 mg/ml

Type: Primary

Prep By: Josie Pickard

Status: Open

Final Volume: 2 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Gasoline Standard	<u>13090</u>	2	mL	3/28/2029

Stock Source	Base Units	Amount Added
GROS200921	ug/mL	2 mL



Analytical RunID VARIAN1_211208B Standards Traceability Report

Standard ID: TFT211208
Standard Name: TFT (1.05uL)
Prep Date: 12/8/2021
Exp Date: 9/10/2029
Department: GCVOA
Vendor:
Lot Number:
Balance ID:
Comments: Final concentration : 1.0mg/mL

Type: Secondary
Prep By: Josie Pickard
Status: New

Final Volume: 2 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Methanol, Purge and Trap EB199	<u>14400</u>	1.9	mL	9/10/2029

Stock Source	Base Units	Amount Added
TFTS210607	ug/mL	0.1 mL



Analytical RunID VARIAN1_211208B Standards Traceability Report

Standard ID: TFTL211208

Standard Name: TFTL

Prep Date: 12/8/2021

Exp Date: 9/10/2029

Department: GCVOA

Vendor:

Lot Number:

Balance ID:

Comments: Final concentration :0.01mg/mL

Type: Secondary

Prep By: Josie Pickard

Status: New

Final Volume: 1 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Methanol, Purge and Trap EB199	<u>14400</u>	0.9	mL	9/10/2029

Stock Source	Base Units	Amount Added
TFTM211208	ug/mL	0.1 mL



Analytical RunID VARIAN1_211208B Standards Traceability Report

Standard ID: TFTM211208

Standard Name: TFTM

Prep Date: 12/8/2021

Exp Date: 9/10/2029

Department: GCVOA

Vendor:

Lot Number:

Balance ID:

Comments: Final concentration :0.1mg/mL

Type: Secondary

Prep By: Josie Pickard

Status: New

Final Volume: 1 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Methanol, Purge and Trap EB199	<u>14400</u>	0.9	mL	9/10/2029

Stock Source	Base Units	Amount Added
TFT211208	ug/mL	0.1 mL



Analytical RunID VARIAN1_211208B Standards Traceability Report

Standard ID: TFTS210607
Standard Name: TFT Stock
Prep Date: 6/7/2021
Exp Date: 9/10/2029
Department: GCVOA
Vendor: Accustandard
Lot Number: 219091095
Balance ID:

Type: Primary
Prep By: Josie Pickard
Status: New

Final Volume: 10 mL

Comments: 20mg/ml in Meoh Date prepared is date received.

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
a,a,a-Trifluorotoluene	<u>13921</u>	10	mL	9/10/2029

Stock Source	Base Units	Amount Added
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125 Market Street
New Haven, CT 06513
USA



AccuStandard® Inc.

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Fax: (203)786-5287
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



Danger 2

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

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 DR010-001
Rev. 011

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

Energv 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 ±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

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



Analytical RunID VARIAN1_220307A Standards Traceability Report

Standard ID: 3GAS160127

Standard Name: Alaska Gasoline Calibration Mix Version 4/8/02

Prep Date: 1/27/2016

Exp Date: 6/7/2023

Department: GCVOA

Vendor: Accustandard

Lot Number: 213051468

Balance ID:

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

Type: Neat

Prep By: Josie Pickard

Status: New

Final Volume: 5 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Alaska Gasoline Calibration Mix Version 4/8/02	<u>8120</u>	5	mL	6/7/2023

Stock Source	Base Units	Amount Added
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Analytical RunID VARIAN1_220307A Standards Traceability Report

Standard ID: GAS220104

Standard Name: Unleaded Gasoline Comp. Std.(2.0uL)

Prep Date: 1/4/2022

Exp Date: 6/7/2023

Department: GCVOA

Vendor:

Lot Number:

Balance ID:

Comments: Concentration : 4.2ug/ul

Type: Secondary

Prep By: Josie Pickard

Status: New

Final Volume: 10 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Methanol, Purge and Trap EB373	<u>14519</u>	10	mL	6/7/2023

Stock Source	Base Units	Amount Added
GASH210122	ug/mL	0.84 mL



Analytical RunID VARIAN1_220307A Standards Traceability Report

Standard ID: GASH210122

Standard Name: Unleaded Gasoline Composite

Prep Date: 1/22/2021

Exp Date: 6/7/2023

Department: GCVOA

Vendor:

Lot Number:

Balance ID:

Comments: Concentration : 50,000 ug/ml

Type: Primary

Prep By: Josie Pickard

Status: New

Final Volume: 10 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Methanol, Purge and Trap DZ880	<u>13323</u>	10	mL	6/7/2023

Stock Source	Base Units	Amount Added
3GAS160127	ug/mL	0.5022 g



Analytical RunID VARIAN1_220307A Standards Traceability Report

Standard ID: GQC211012

Standard Name: Gasoline Composite Mix (1.68uL)

Prep Date: 10/12/2021

Exp Date: 4/2/2030

Department: GCVOA

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

Type: Primary

Prep By: Josie Pickard

Status: New

Final Volume: 5 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Gasoline Composite Mix	<u>14373</u>	5	mL	4/2/2030

Stock Source	Base Units	Amount Added
GQC211012	ug/mL	



Analytical RunID VARIAN1_220307A Standards Traceability Report

Standard ID: GROS200921

Standard Name: Gro Stock Standard Mt.Gro

Prep Date: 9/21/2020

Exp Date: 3/28/2029

Department: GCVOA

Vendor: Accustandard

Lot Number: 219031408

Balance ID:

Comments: 10 Component Mix (varing concentrations) 100 mg/ml

Type: Primary

Prep By: Josie Pickard

Status: Open

Final Volume: 2 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Gasoline Standard	<u>13090</u>	2	mL	3/28/2029

Stock Source	Base Units	Amount Added
GROS200921	ug/mL	2 mL



Analytical RunID VARIAN1_220307A Standards Traceability Report

Standard ID: TFT220228

Standard Name: TFT (1.05uL)

Prep Date: 2/28/2022

Exp Date: 9/10/2029

Department: GCVOA

Vendor:

Lot Number:

Balance ID:

Comments: Final concentration : 1.0mg/mL

Type: Secondary

Prep By: Josie Pickard

Status: New

Final Volume: 2 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Methanol, Purge and Trap - EB679	<u>14746</u>	1.9	mL	9/10/2029

Stock Source	Base Units	Amount Added
TFTS220208	ug/mL	0.1 mL



Analytical RunID VARIAN1_220307A Standards Traceability Report

Standard ID: TFT220308
Standard Name: TFT (1.05uL)
Prep Date: 3/8/2022
Exp Date: 9/10/2029
Department: GCVOA
Vendor:
Lot Number:
Balance ID:
Comments: Final concentration : 1.0mg/mL

Type: Secondary
Prep By: Josie Pickard
Status: New

Final Volume: 2 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Methanol, Purge and Trap - EB679	14746	1.9	mL	9/10/2029

Stock Source	Base Units	Amount Added
TFTS220208	ug/mL	0.1 mL



Analytical RunID VARIAN1_220307A Standards Traceability Report

Standard ID: TFTS220208
Standard Name: TFT Stock
Prep Date: 2/8/2022
Exp Date: 9/10/2029
Department: GCVOA
Vendor: Accustandard
Lot Number: 219091095
Balance ID:

Type: Primary
Prep By: Josie Pickard
Status: New

Final Volume: 10 mL

Comments: 20mg/ml in Meoh Date prepared is date received. 10x1mL ampules received

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
a,a,a-Trifluorotoluene	14857	10	mL	9/10/2029

Stock Source	Base Units	Amount Added
TFTS220208	ug/mL	10 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-OR-010-001
Rev. 011

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

Energv 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 ±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

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 #: 14857

Opened: _____

a,a,a-Trifluorotoluene

Expires: 10/10/2029

Rec'd: 2/8/2022

Energv 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.

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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