

Energy Laboratories Inc

ANALYTICAL RUN Summary

14-Jan-22

Run ID PE 1_211208B

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

Instrument ID	Description
VOC1-14	2-Place Balance

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					
14910960	CCV_1208PE12	HC-8015-GRO-	CCV		12/8/2021 10:39:	1	R371441		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	245.5184	245.5184		168	0	0	2.32	20	0	146%	80	120	0%	S
Total Purgeable Hydrocarbons	A	ug/L	256.3839	256.3839		200	0	0	3.56	20	0	128%	80	120	0%	S
Trifluorotoluene	S	ug/L	21.39915	21.39915		25	0	0	0.0743	1	0	86%	80	120	0%	
GRO as Gasoline	X	ug/L	245.5184	245.5184		0	0	0	2.32	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					
14910961	CCV_1208PE12	HC-8015-GRO-	CCV		12/9/2021 12:59:	1	R371441		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	16.13485	16.13485		16.8	0	0	2.32	20	0	96%	80	120	0%	
Total Purgeable Hydrocarbons	A	ug/L	18.94534	18.94534		20	0	0	3.56	20	0	95%	80	120	0%	
Trifluorotoluene	S	ug/L	1.062791	1.062791		1	0	0	0.0743	1	0	106%	80	120	0%	
GRO as Gasoline	X	ug/L	16.13485	16.13485		0	0	0	2.32	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					
14910962	CCV_1208PE12	HC-8015-GRO-	CCV		12/9/2021 1:34:2	1	R371441		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	84.50686	84.50686		84	0	0	2.32	20	0	101%	80	120	0%	
Total Purgeable Hydrocarbons	A	ug/L	100.3098	100.3098		100	0	0	3.56	20	0	100%	80	120	0%	
Trifluorotoluene	S	ug/L	5.58406	5.58406		5	0	0	0.0743	1	0	112%	80	120	0%	
GRO as Gasoline	X	ug/L	84.50686	84.50686		0	0	0	2.32	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					
14910963	CCV_1208PE12	HC-8015-GRO-	CCV		12/9/2021 2:09:2	1	R371441		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	169.3677	169.3677		168	0	0	2.32	20	0	101%	80	120	0%	
Total Purgeable Hydrocarbons	A	ug/L	201.89	201.89		200	0	0	3.56	20	0	101%	80	120	0%	
Trifluorotoluene	S	ug/L	23.42411	23.42411		25	0	0	0.0743	1	0	94%	80	120	0%	
GRO as Gasoline	X	ug/L	169.3677	169.3677		0	0	0	2.32	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					
14910964	CCV_1208PE12	HC-8015-GRO-	CCV		12/9/2021 2:44:2	1	R371441		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	849.1638	849.1638		840	0	0	2.32	20	0	101%	80	120	0%	
Total Purgeable Hydrocarbons	A	ug/L	1017.955	1017.955		1000	0	0	3.56	20	0	102%	80	120	0%	
Trifluorotoluene	S	ug/L	93.30469	93.30469		100	0	0	0.0743	1	0	93%	80	120	0%	
GRO as Gasoline	X	ug/L	849.1638	849.1638		0	0	0	2.32	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					
14910965	CCV_1208PE13	HC-8015-GRO-	CCV		12/9/2021 3:19:3	1	R371441		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	1704.373	1704.373		1680	0	0	2.32	20	0	101%	80	120	0%	
Total Purgeable Hydrocarbons	A	ug/L	2044.461	2044.461		2000	0	0	3.56	20	0	102%	80	120	0%	
Trifluorotoluene	S	ug/L	190.0902	190.0902		200	0	0	0.0743	1	0	95%	80	120	0%	
GRO as Gasoline	X	ug/L	1704.373	1704.373		0	0	0	2.32	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					
14910966	LCS_1208PE13	HC-8015-GRO-	LCS		12/9/2021 4:29:4	1	R371441		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	170.5147	170.5147		170	0	0	2.32	20	0	100%	80	120	0%	
Total Purgeable Hydrocarbons	A	ug/L	208.3308	208.3308		200	0	0	3.56	20	0	104%	80	120	0%	
Trifluorotoluene	S	ug/L	22.09964	22.09964		25	0	0	0.0743	1	0	88%	80	120	0%	
GRO as Gasoline	X	ug/L	170.5147	170.5147		170	0	0	2.32	20	0	100%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
14910967	CCV_1208PE13	HC-8015-GRO-	CCV		12/9/2021 5:04:4	1	R371441		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	169.2249	169.2249		168	0	0	2.32	20	0	101%	80	120	0%	
Total Purgeable Hydrocarbons	A	ug/L	202.0202	202.0202		200	0	0	3.56	20	0	101%	80	120	0%	
Trifluorotoluene	S	ug/L	23.20175	23.20175		25	0	0	0.0743	1	0	93%	80	120	0%	
GRO as Gasoline	X	ug/L	169.2249	169.2249		0	0	0	2.32	20	0	0%	0	0	0%	

Write Sequence

Insert Entries(Have the first cell for entries selecte

Data File	Sample Name	Method	Weight	Dil Factor	Amt Inj.	IS	Cal ID
G:\Org\PE1\DAT\PE1120821_b\1208PE1.22r	CCV_1208PE122r, GQC ;1208PE1 , 8015 Marker	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1120821_b\1208PE1.23r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1120821_b\1208PE1.24r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1120821_b\1208PE1.25r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1120821_b\1208PE1.26r	CCV_1208PE126r, GQC ;1208PE1 , G1	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1120821_b\1208PE1.27r	CCV_1208PE127r, GQC ;1208PE1 , G2	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1120821_b\1208PE1.28r	CCV_1208PE128r, GQC ;1208PE1 , G3	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1120821_b\1208PE1.29r	CCV_1208PE129r, GQC ;1208PE1 , G4	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1120821_b\1208PE1.30r	CCV_1208PE130r, GQC ;1208PE1 , G5	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1120821_b\1208PE1.31r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1120821_b\1208PE1.32r	LCS_1208PE132r, GQC ;1208PE1 , ICV	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1120821_b\1208PE1.33r	CCV_1208PE133r, GQC ;1208PE1 , CCV	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1120821_b\1208PE1.34r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0

File Name: G:\Org\PE1\Cals\211208GRO8015CB.CAL
 Version: 4

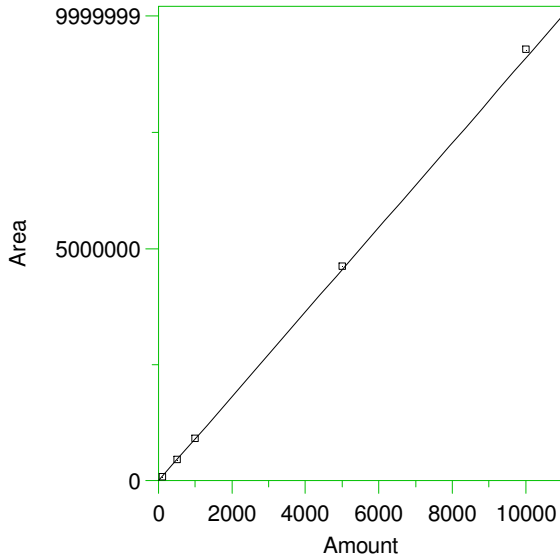
Creator: jmp
 Description: 8015 GRO Composite Gasoline Std 12/8/21
 Reason for change:

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.

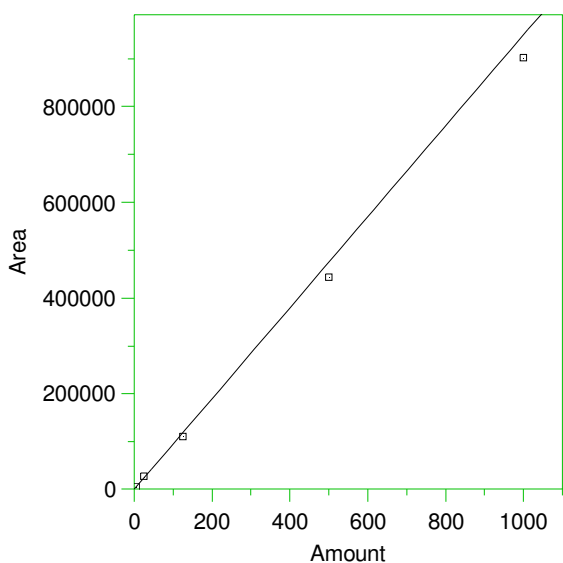
1 TPH



Expected retention time: 4.55 minutes
 Search window: 0.1 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 = 909.3915 X + 0
 Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9992262
 Average error: 2.109%
 Average CF: 909.3915
 RSD: 3.040%

Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	100	86143.63	861.4363	-5.273	Manual	12/9/2021 7:44:50 AM
2	500	456104.3	912.2086	0.310	Manual	12/9/2021 7:45:04 AM
3	1000	917985.1	917.9851	0.945	Manual	12/9/2021 7:45:17 AM
4	5000	4628599	925.7198	1.796	Manual	12/9/2021 7:45:32 AM
5	10000	9296078	929.6078	2.223	Manual	12/9/2021 7:45:57 AM

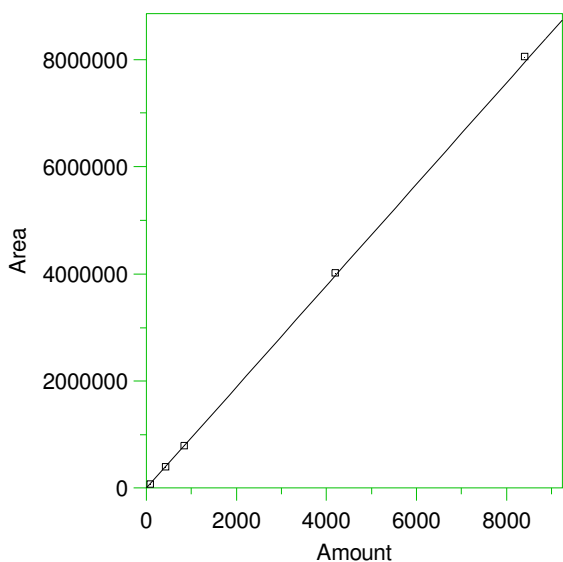
2 **Trifluorotoluene



Expected retention time: 8.7 minutes
 Search window: 0.1 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
 $Y = 949.8164 X + 0$
 Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9943398
 Average error: 7.181%
 Average CF: 949.8164
 RSD: 8.439%

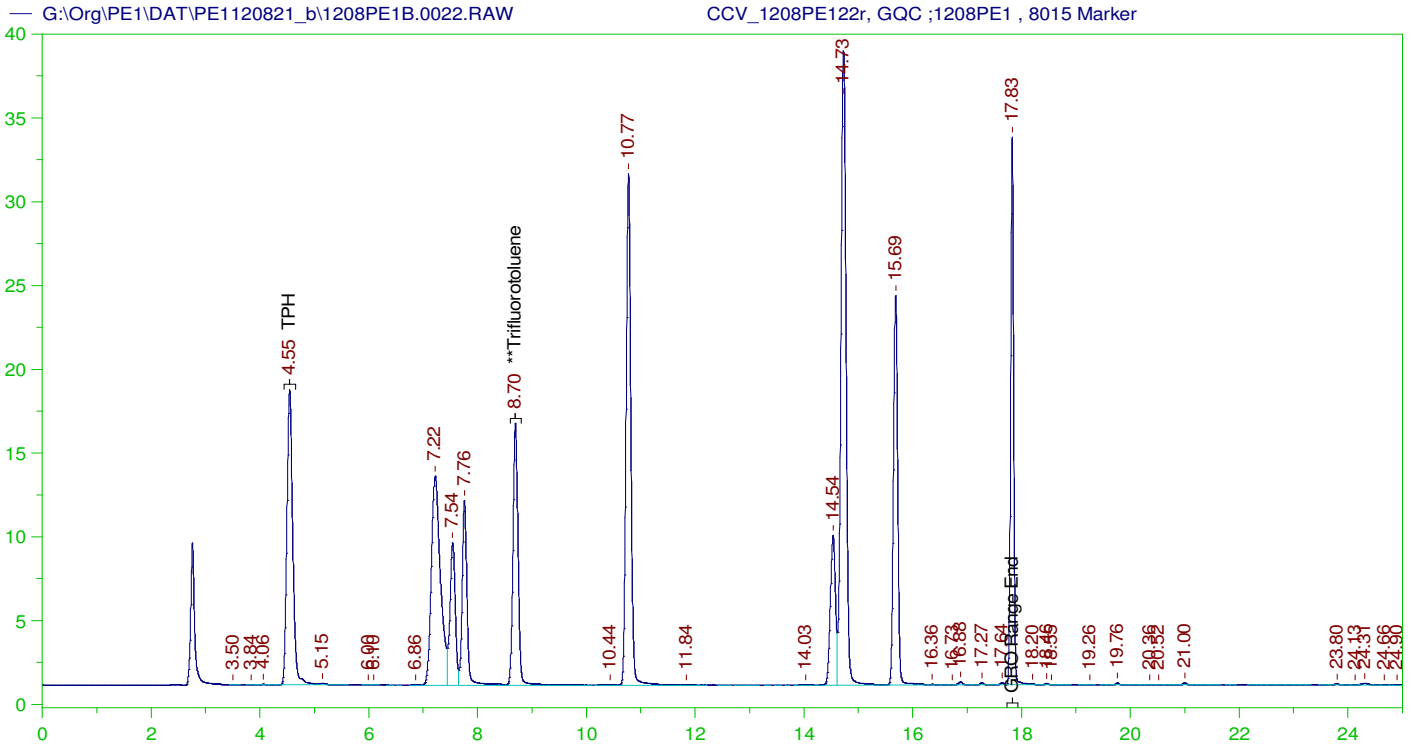
Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	5	5047	1009.4	6.273	Manual	12/9/2021 7:37:16 AM
2	25	26519	1060.76	11.681	Manual	12/9/2021 7:40:13 AM
3	125	111243	889.944	-6.304	Manual	12/9/2021 7:41:25 AM
4	500	443112	886.224	-6.695	Manual	12/9/2021 7:42:24 AM
5	1000	902754	902.754	-4.955	Manual	12/9/2021 7:43:15 AM

3 GRO Range End



Expected retention time: 17.83 minutes
 Search window: 0.1 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
 $Y = 945.9678 X + 0$
 Average CF fit with equal weighting, forced to origin
 Coefficient of determination: 0.9996708
 Average error: 1.584%
 Average CF: 945.9678
 RSD: 2.236%

Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	84	76315.23	908.5146	-3.959	Manual	12/9/2021 7:44:54 AM
2	420	399703.8	951.6757	0.603	Manual	12/9/2021 7:45:09 AM
3	840	801082.1	953.6692	0.814	Manual	12/9/2021 7:45:23 AM
4	4200	4016408	956.2876	1.091	Manual	12/9/2021 7:45:44 AM
5	8400	8061411	959.6918	1.451	Manual	12/9/2021 7:46:02 AM



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_1208PE122r, GQC ;1208PE1 , 8015 Marker
 Raw File: G:\Org\PE1\DAT\PE1120821_b\1208PE1B.0022.RAW
 Date & Time Acquired: 12/8/2021 10:39:19 PM
 Method File: G:\Org\PE1\Methods\211208GROB.MET
 Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
 Mean RF for TPH: 909.3915
 Rt range for Gasoline Range Organics: 4.45 to 17.93

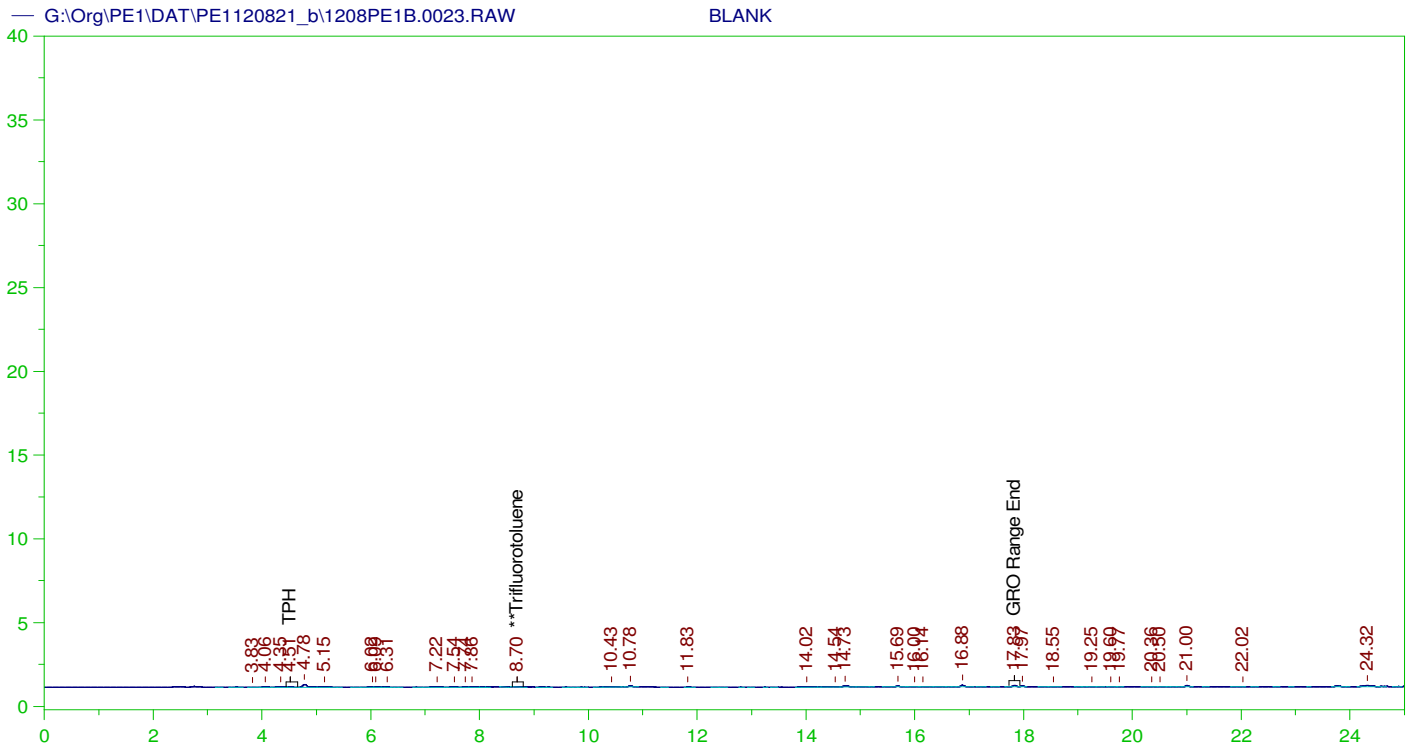
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.697	125.	106.996	85.6

GRO Area:1161262 GRO Amount: 1227.592
 TPH Area:1165767 TPH Amount: 1281.92

CONTINUING CALIBRATION REPORT: G:\Org\PE1\DAT\PE1120821_b\1208PE1B.0022.RAW

COMPOUND	ACTUAL (NG)	MEASURED (NG)	%RECOVERY	LIMITS
GRO	840.	1227.59	146.14	85-115
TPH	1000.	1281.92	128.19	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	8.697	125.	106.996	85.6	85-115



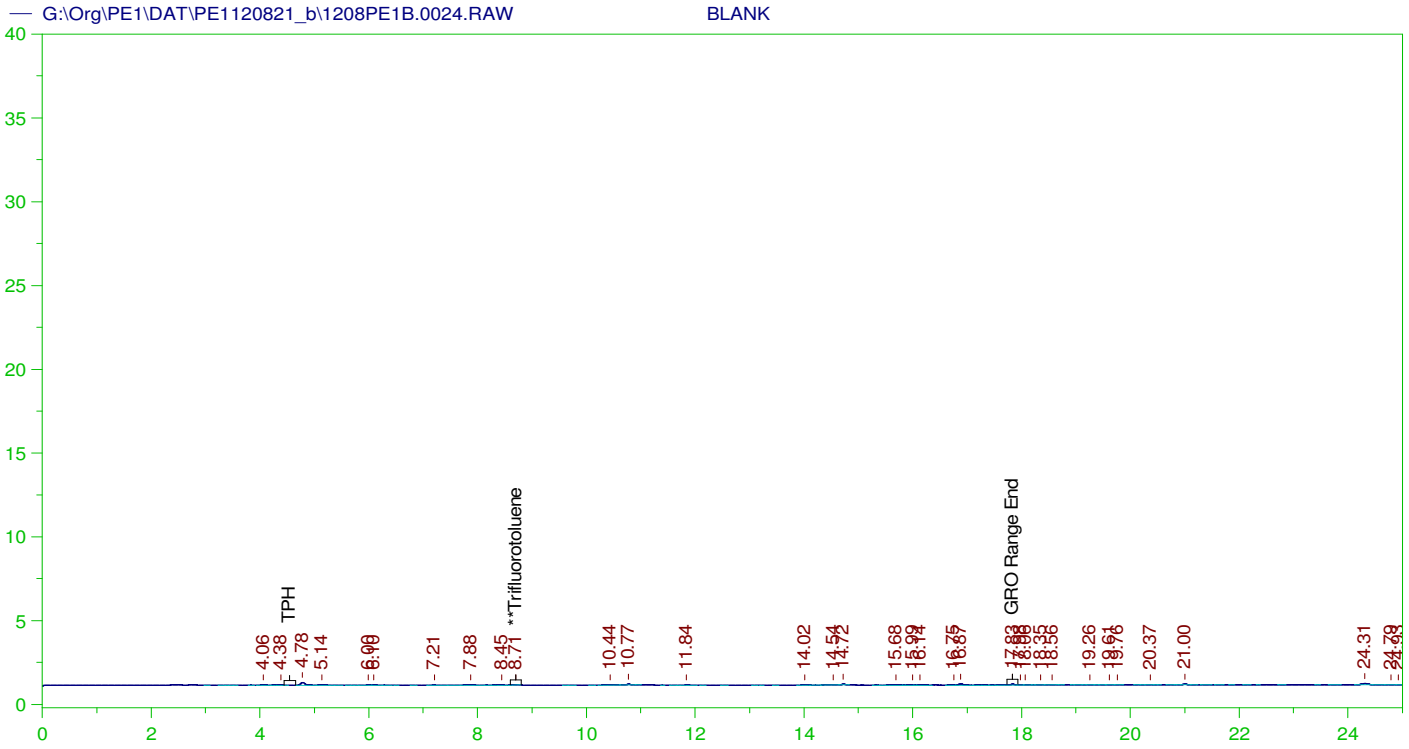
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\PE1\DAT\PE1120821_b\1208PE1B.0023.RAW
 Date & Time Acquired: 12/8/2021 11:14:25 PM
 Method File: G:\Org\PE1\Methods\211208GROB.MET
 Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
 Mean RF for TPH: 909.3915
 Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.696	125.	.173	.14

GRO Area:6425.571 GRO Amount: 6.79259
 TPH Area:8542.397 TPH Amount: 9.393532



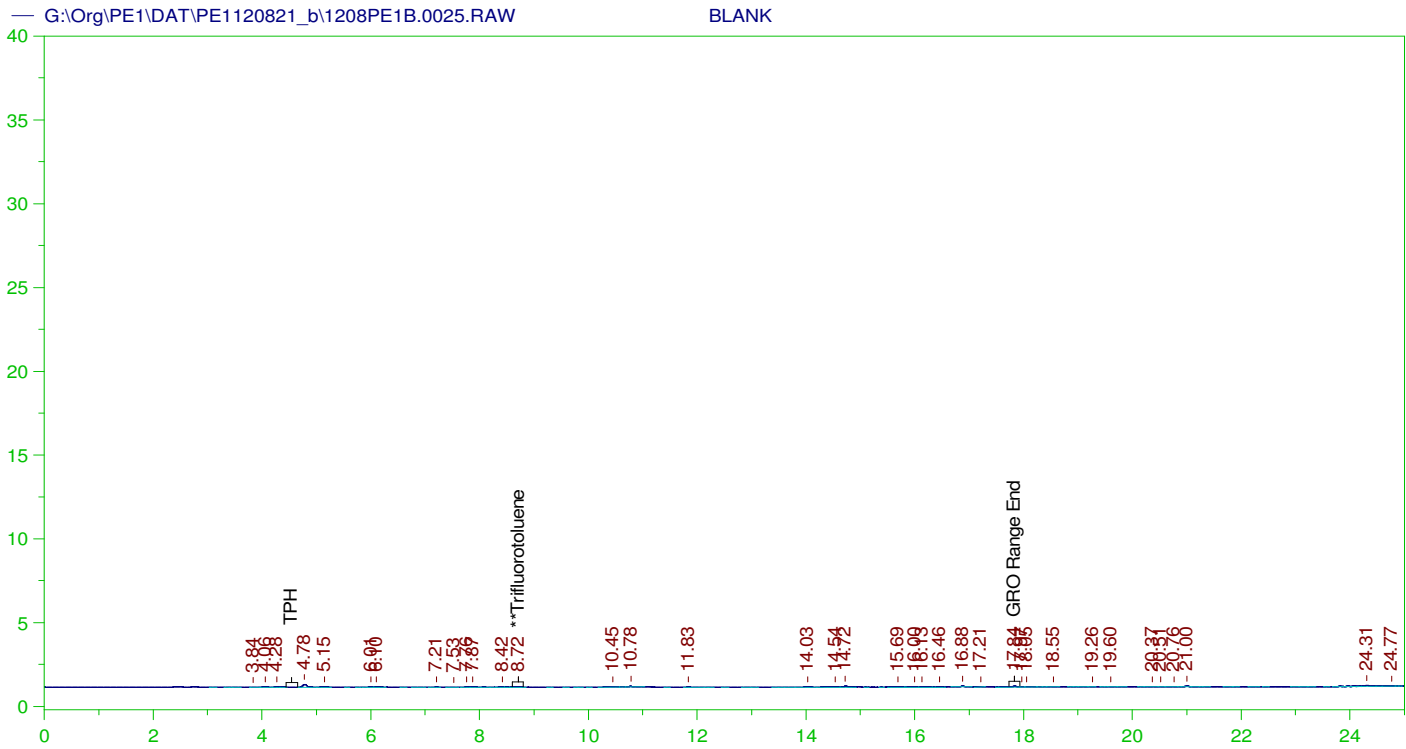
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\PE1\DAT\PE1120821_b\1208PE1B.0024.RAW
 Date & Time Acquired: 12/8/2021 11:49:21 PM
 Method File: G:\Org\PE1\Methods\211208GROB.MET
 Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
 Mean RF for TPH: 909.3915
 Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.709	125.	.078	.06

GRO Area:5165.113 GRO Amount: 5.460136
 TPH Area:7678.714 TPH Amount: 8.443793



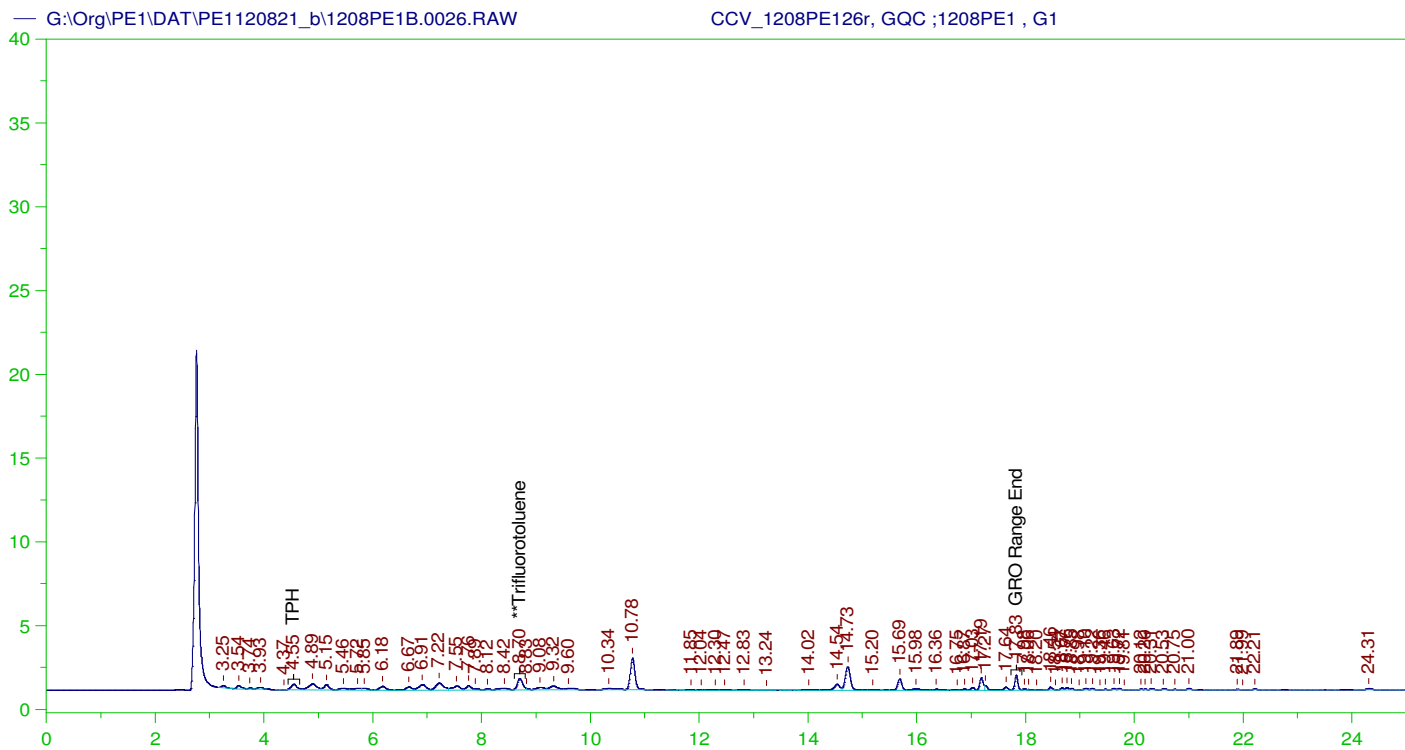
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\PE1\DAT\PE1120821_b\1208PE1B.0025.RAW
 Date & Time Acquired: 12/9/2021 12:24:28 AM
 Method File: G:\Org\PE1\Methods\211208GROB.MET
 Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
 Mean RF for TPH: 909.3915
 Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.721	125.	.148	.12

GRO Area:5271.259 GRO Amount: 5.572345
 TPH Area:7787.289 TPH Amount: 8.563187



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_1208PE126r, GQC ;1208PE1 , G1
 Raw File: G:\Org\PE1\DAT\PE1120821_b\1208PE1B.0026.RAW
 Date & Time Acquired: 12/9/2021 12:59:27 AM
 Method File: G:\Org\PE1\Methods\211208GROG1B%.MET
 Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
 Mean RF for TPH: 909.3915
 Rt range for Gasoline Range Organics: 4.45 to 17.93

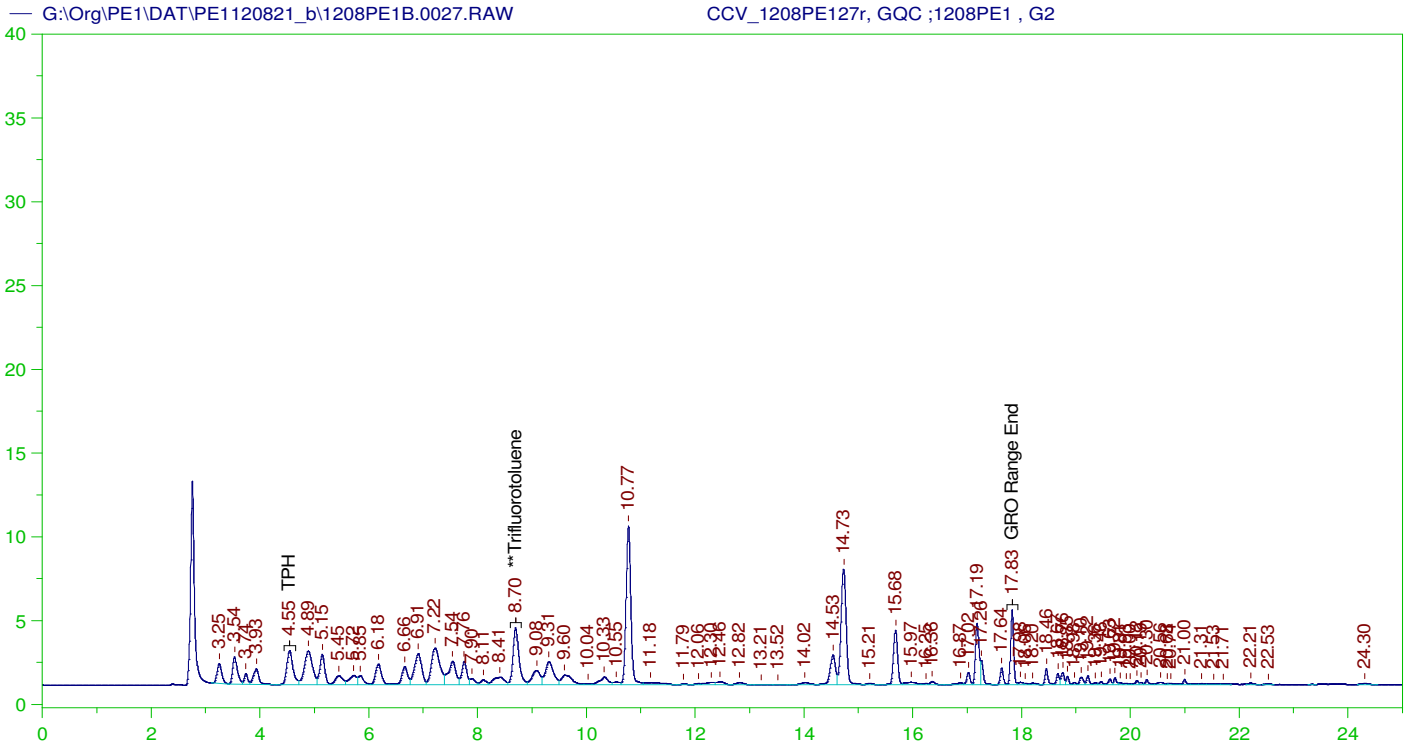
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.703	125.	5.314	4.25

GRO Area:76315.23 GRO Amount: 80.67424
 TPH Area:86143.63 TPH Amount: 94.72668

CONTINUING CALIBRATION REPORT: G:\Org\PE1\DAT\PE1120821_b\1208PE1B.0026.RAW

COMPOUND	ACTUAL (NG)	MEASURED (NG)	%RECOVERY	LIMITS
GRO	840.	80.67	9.6	85-115
TPH	1000.	94.73	9.47	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	8.703	125.	5.314	4.25	85-115



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_1208PE127r, GQC ;1208PE1 , G2
 Raw File: G:\Org\PE1\DAT\PE1120821_b\1208PE1B.0027.RAW
 Date & Time Acquired: 12/9/2021 1:34:28 AM
 Method File: G:\Org\PE1\Methods\211208GROG2B%.MET
 Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
 Mean RF for TPH: 909.3915
 Rt range for Gasoline Range Organics: 4.45 to 17.93

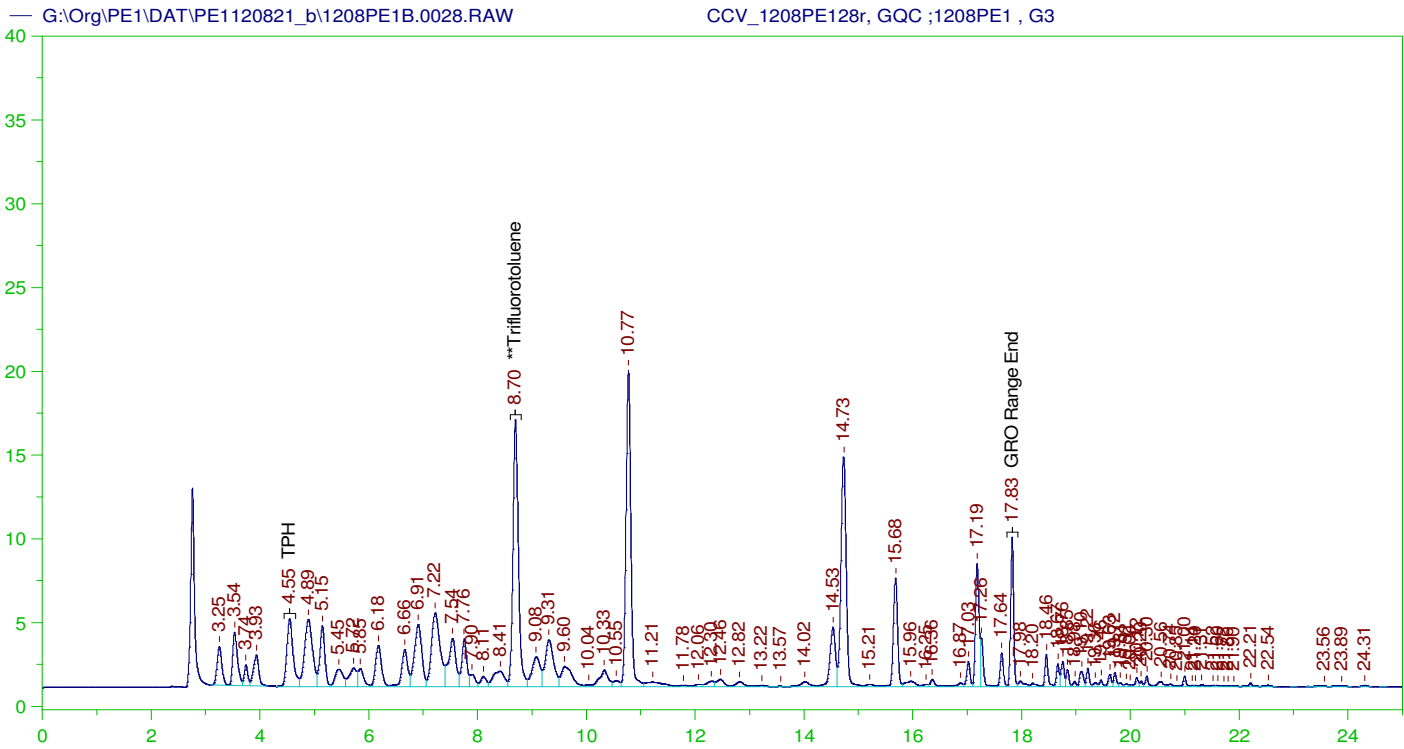
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.701	125.	27.92	22.34

GRO Area:399703.8 GRO Amount: 422.5343
 TPH Area:456104.3 TPH Amount: 501.549

CONTINUING CALIBRATION REPORT: G:\Org\PE1\DAT\PE1120821_b\1208PE1B.0027.RAW

COMPOUND	ACTUAL (NG)	MEASURED (NG)	%RECOVERY	LIMITS
GRO	840.	422.53	50.3	85-115
TPH	1000.	501.55	50.15	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	8.701	125.	27.92	22.34	85-115



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_1208PE128r, GQC ;1208PE1 , G3
 Raw File: G:\Org\PE1\DAT\PE1120821_b\1208PE1B.0028.RAW
 Date & Time Acquired: 12/9/2021 2:09:28 AM
 Method File: G:\Org\PE1\Methods\211208GROG3B%.MET
 Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
 Mean RF for TPH: 909.3915
 Rt range for Gasoline Range Organics: 4.45 to 17.93

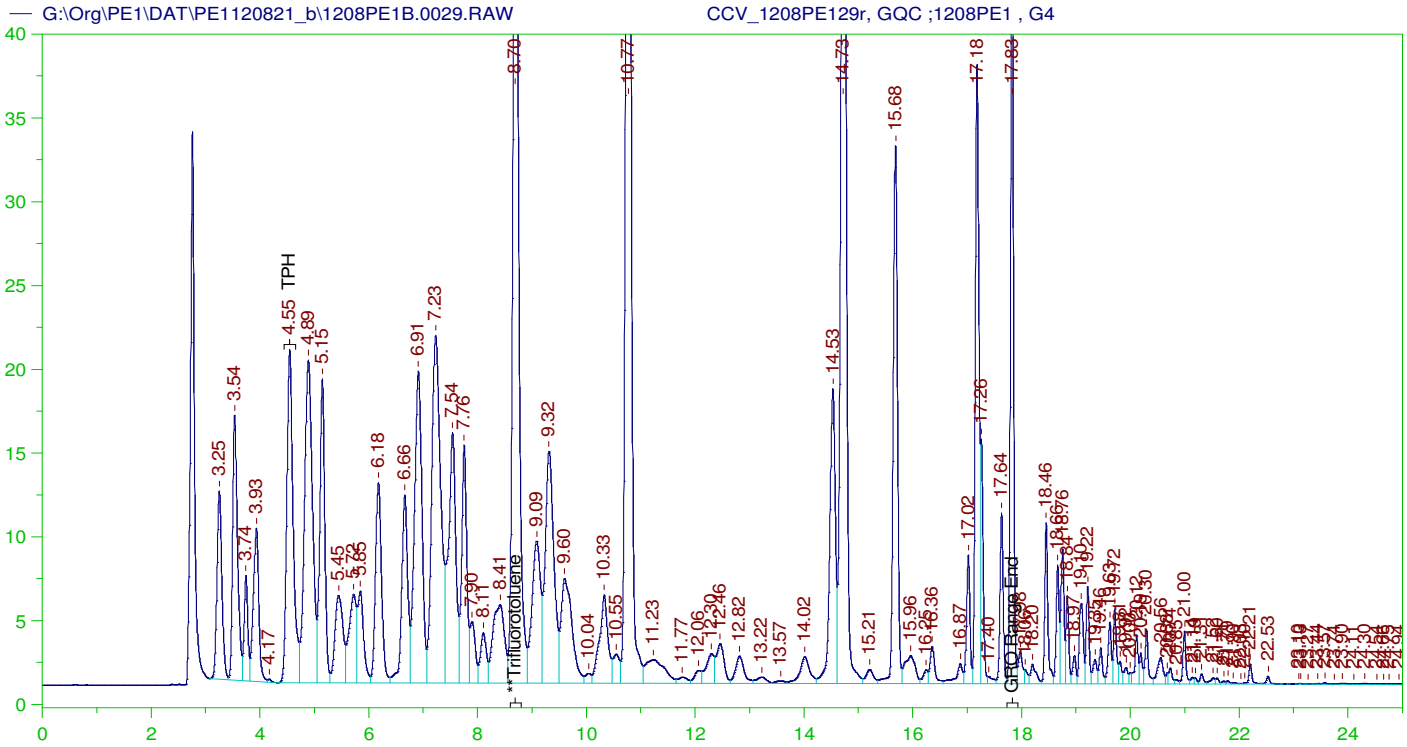
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.698	125.	117.121	93.7

GRO Area:801082.1 GRO Amount: 846.8386
 TPH Area:917985.1 TPH Amount: 1009.45

CONTINUING CALIBRATION REPORT: G:\Org\PE1\DAT\PE1120821_b\1208PE1B.0028.RAW

COMPOUND	ACTUAL (NG)	MEASURED (NG)	%RECOVERY	LIMITS
GRO	840.	846.84	100.81	85-115
TPH	1000.	1009.45	100.95	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	8.698	125.	117.121	93.7	85-115



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_1208PE129r, GQC ;1208PE1 , G4
 Raw File: G:\Org\PE1\DAT\PE1120821_b\1208PE1B.0029.RAW
 Date & Time Acquired: 12/9/2021 2:44:28 AM
 Method File: G:\Org\PE1\Methods\211208GROG4B%.MET
 Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
 Mean RF for TPH: 909.3915
 Rt range for Gasoline Range Organics: 4.45 to 17.93

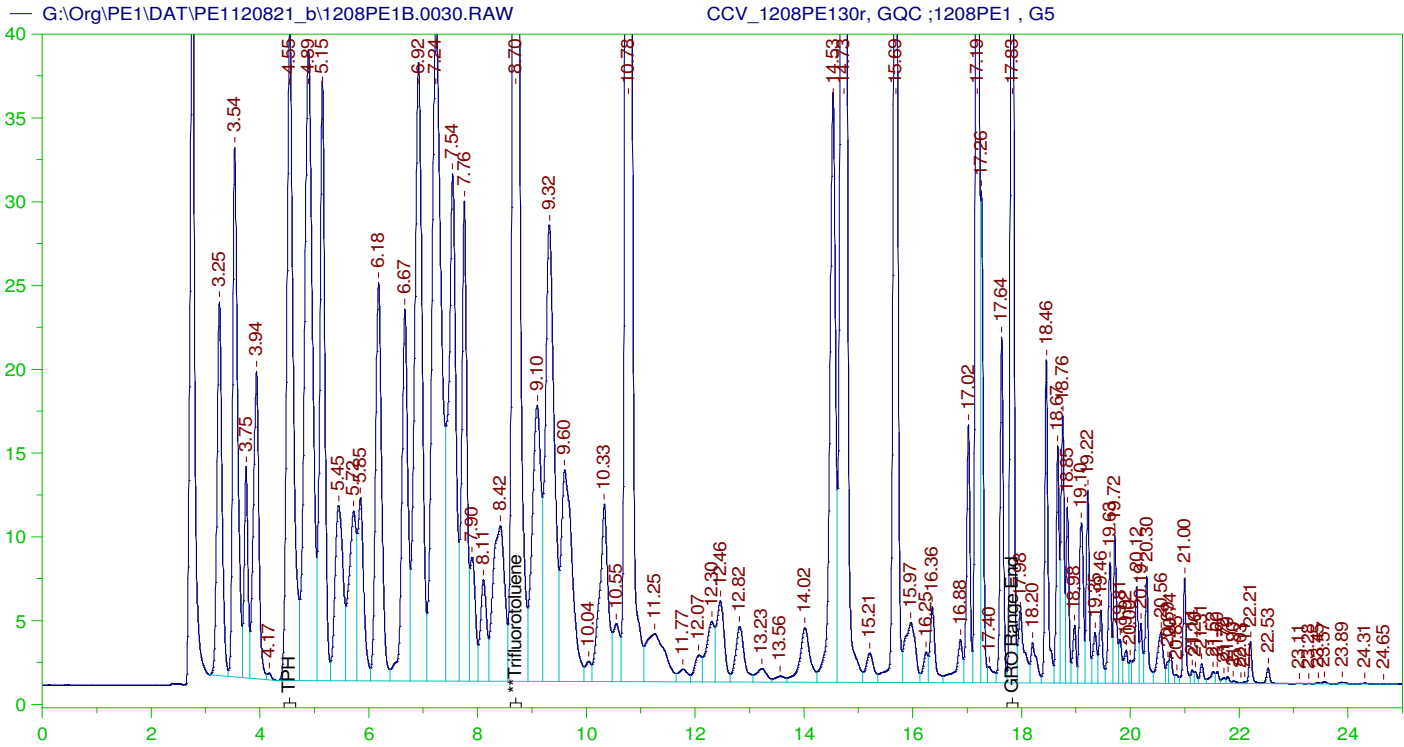
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.698	125.	466.523	373.22	-

GRO Area:4016408 GRO Amount: 4245.819
 TPH Area:4628599 TPH Amount: 5089.775

CONTINUING CALIBRATION REPORT: G:\Org\PE1\DAT\PE1120821_b\1208PE1B.0029.RAW

COMPOUND	ACTUAL (NG)	MEASURED (NG)	%RECOVERY	LIMITS
GRO	840.	4245.82	505.45	85-115
TPH	1000.	5089.78	508.98	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	8.698	125.	466.523	373.22	85-115



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_1208PE130r, GQC ;1208PE1 , G5
 Raw File: G:\Org\PE1\DAT\PE1120821_b\1208PE1B.0030.RAW
 Date & Time Acquired: 12/9/2021 3:19:32 AM
 Method File: G:\Org\PE1\Methods\211208GROG5B%.MET
 Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
 Mean RF for TPH: 909.3915
 Rt range for Gasoline Range Organics: 4.45 to 17.93

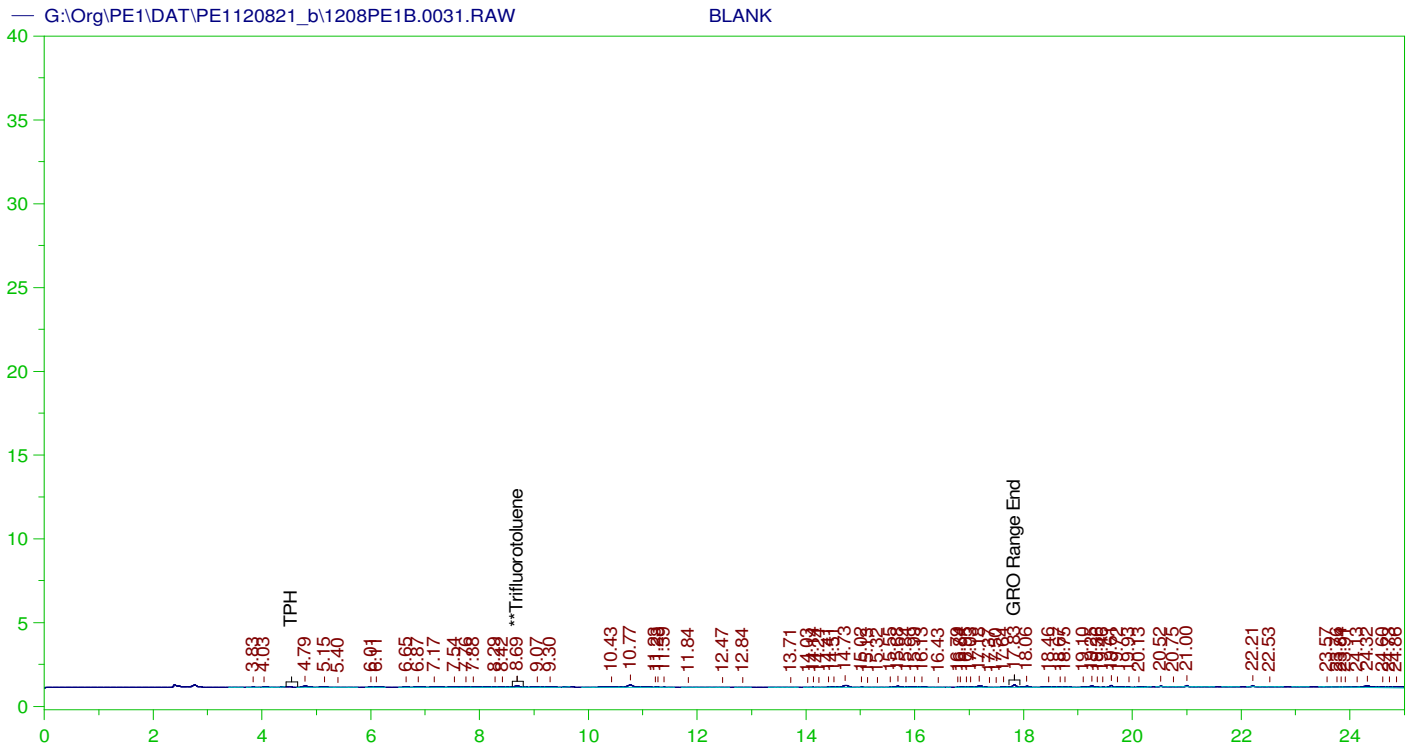
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.7	125.	950.451	760.36

GRO Area:8061411 GRO Amount: 8521.866
 TPH Area:9296078 TPH Amount: 10222.31

CONTINUING CALIBRATION REPORT: G:\Org\PE1\DAT\PE1120821_b\1208PE1B.0030.RAW

COMPOUND	ACTUAL (NG)	MEASURED (NG)	%RECOVERY	LIMITS
GRO	840.	8521.87	1014.51	85-115
TPH	1000.	10222.31	1022.23	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	8.7	125.	950.451	760.36	85-115



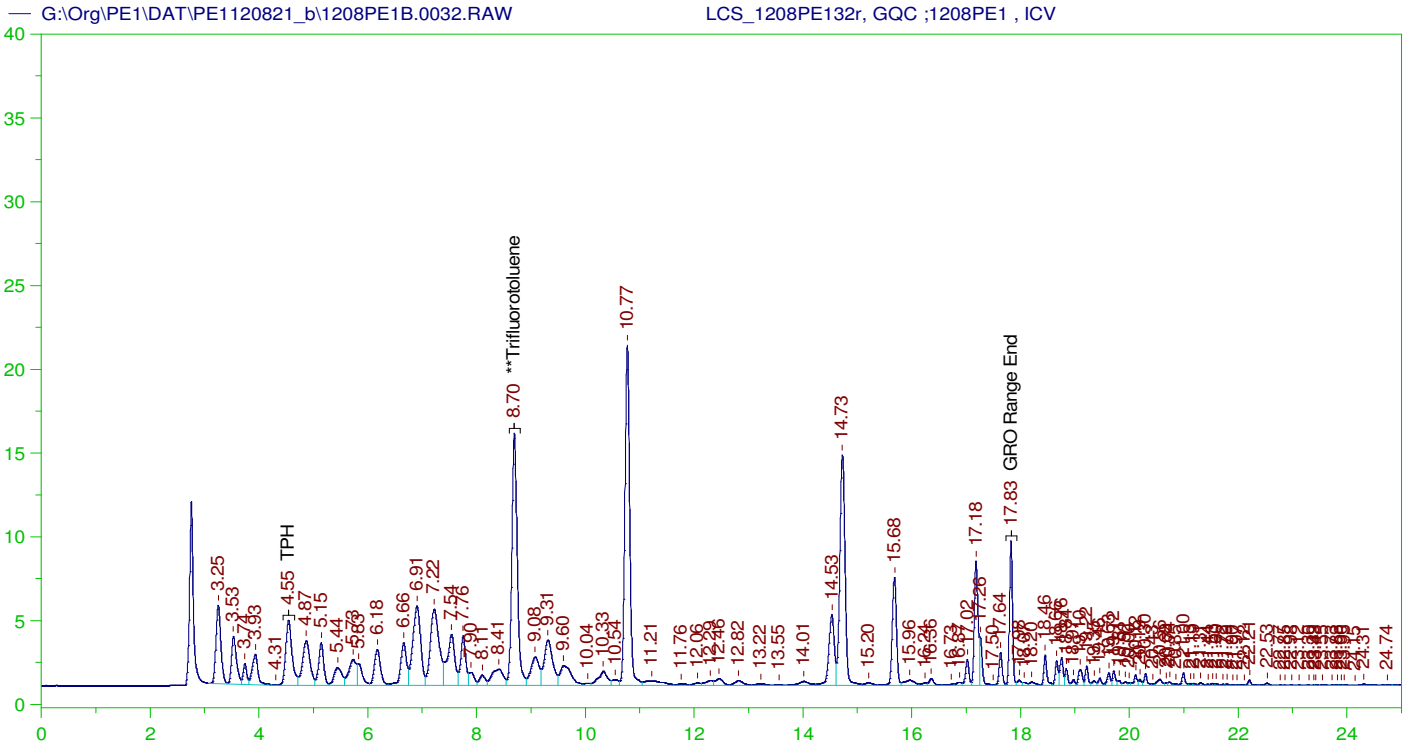
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\PE1\DAT\PE1120821_b\1208PE1B.0031.RAW
 Date & Time Acquired: 12/9/2021 3:54:35 AM
 Method File: G:\Org\PE1\Methods\211208GROB.MET
 Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
 Mean RF for TPH: 909.3915
 Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.691	125.	.572	.46

GRO Area:11585.88 GRO Amount: 12.24764
 TPH Area:18600.47 TPH Amount: 20.45375



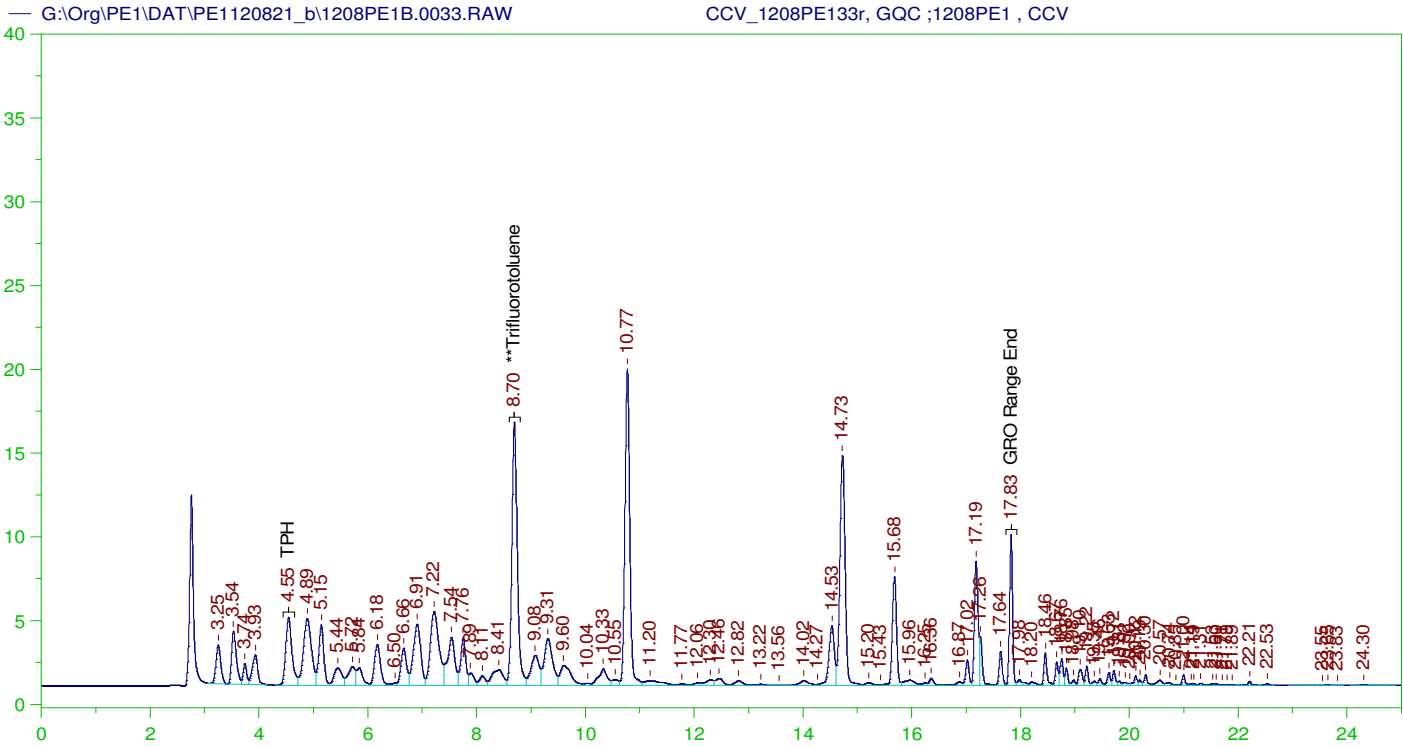
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: LCS_1208PE132r, GQC ;1208PE1 , ICV
 Raw File: G:\Org\PE1\DAT\PE1120821_b\1208PE1B.0032.RAW
 Date & Time Acquired: 12/9/2021 4:29:41 AM
 Method File: G:\Org\PE1\Methods\211208GROICVB%.MET
 Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
 Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
 Mean RF for TPH: 909.3915
 Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.696	25.	22.1	88.4

GRO Area:806507.1 GRO Amount: 170.5147
 TPH Area:947271.2 TPH Amount: 208.3308



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_1208PE133r, GQC ;1208PE1 , CCV
 Raw File: G:\Org\PE1\DAT\PE1120821_b\1208PE1B.0033.RAW
 Date & Time Acquired: 12/9/2021 5:04:40 AM
 Method File: G:\Org\PE1\Methods\211208GROCCVB%.MET
 Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
 Mean RF for TPH: 909.3915
 Rt range for Gasoline Range Organics: 4.45 to 17.93

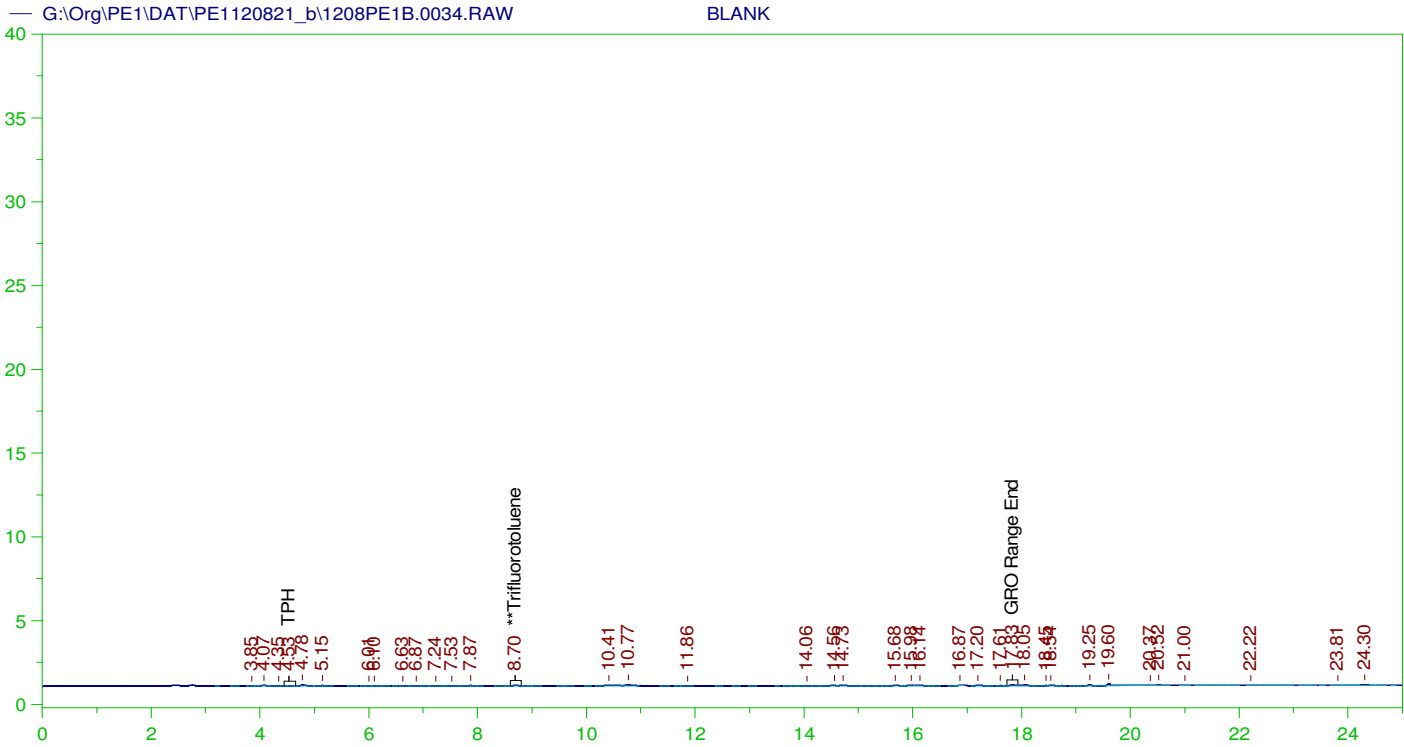
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.697	125.	116.009	92.81

GRO Area:800406.4 GRO Amount: 846.1245
 TPH Area:918577.3 TPH Amount: 1010.101

CONTINUING CALIBRATION REPORT: G:\Org\PE1\DAT\PE1120821_b\1208PE1B.0033.RAW

COMPOUND	ACTUAL (NG)	MEASURED (NG)	%RECOVERY	LIMITS
GRO	840.	846.12	100.73	85-115
TPH	1000.	1010.1	101.01	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	8.697	125.	116.009	92.81	85-115



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\PE1\DAT\PE1120821_b\1208PE1B.0034.RAW
 Date & Time Acquired: 12/9/2021 5:39:46 AM
 Method File: G:\Org\PE1\Methods\211208GROB.MET
 Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
 Mean RF for TPH: 909.3915
 Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.696	125.	.2	.16

GRO Area:5202.292 GRO Amount: 5.499439
 TPH Area:8381.664 TPH Amount: 9.216784

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\PE1\DAT\PE1120821_b\1208PE1.22r	CCV_1208PE122r, GQC ;1208PE1 , 8015 Marker	G:\Org\PE1\Methods\211204	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1120821_b\1208PE1.23r	BLANK	G:\Org\PE1\Methods\211204	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1120821_b\1208PE1.24r	BLANK	G:\Org\PE1\Methods\211204	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1120821_b\1208PE1.25r	BLANK	G:\Org\PE1\Methods\211204	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1120821_b\1208PE1.26r	CCV_1208PE126r, GQC ;1208PE1 , G1	G:\Org\PE1\Methods\211204	1	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\PE1\DAT\PE1120821_b\1208PE1.27r	CCV_1208PE127r, GQC ;1208PE1 , G2	G:\Org\PE1\Methods\211204	1	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\PE1\DAT\PE1120821_b\1208PE1.28r	CCV_1208PE128r, GQC ;1208PE1 , G3	G:\Org\PE1\Methods\211204	1	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\PE1\DAT\PE1120821_b\1208PE1.29r	CCV_1208PE129r, GQC ;1208PE1 , G4	G:\Org\PE1\Methods\211204	1	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\PE1\DAT\PE1120821_b\1208PE1.30r	CCV_1208PE130r, GQC ;1208PE1 , G5	G:\Org\PE1\Methods\211204	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1120821_b\1208PE1.31r	BLANK	G:\Org\PE1\Methods\211204	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1120821_b\1208PE1.32r	LCS_1208PE132r, GQC ;1208PE1 , ICV	G:\Org\PE1\Methods\211204	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\PE1\DAT\PE1120821_b\1208PE1.33r	CCV_1208PE133r, GQC ;1208PE1 , CCV	G:\Org\PE1\Methods\211204	1	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\PE1\DAT\PE1120821_b\1208PE1.34r	BLANK	G:\Org\PE1\Methods\211204	1	1	1	1	0	None

Josie M Pickard
Chemist

Digitally signed by
Josie Pickard
Date: 2022.01.14 14:30:01 -07:00

Energy Laboratories Inc

ANALYTICAL RUN Summary

17-Feb-22

Run ID PE 1_220117A

Run Start Date: 1/17/2022
Analyst: Josie Pickard
Ical: 0
Column ID: Rtx-502.2
Comments: Manually added numbers that are above the MDL and below the LOD per QA and client request

Std ID	Std Name	Std Amount	Std Units	Samp Amount	Samp Units	SampType	Expiration Date
GAS220104	Unleaded Gasoline Comp. Std.(2.0uL)	2	ul			CCV	6/7/2023
GQC201214	Gasoline Composite Mix (1.68uL)	1.68	ul			LCS, MS/M	4/2/2030
GROS200921	Gro Stock Standard Mt.Gro	0.84	ul			Marker	3/28/2029
SHP0292	VOA 1:1 HCl:H2O Solution	3	drops			CCV, LCS,	12/15/2025
TFT220106	TFT (1.05uL)	1.05	ul			SURR	9/10/2029
TFT220117	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					
14984630	CCV_0117PE10	HC-8015-GRO-	SAMP		1/17/2022 9:50:2	1	R373334		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	238.6978	238.6978		0	0	0	2.32	20	0	0%	0	0	0%	
Gasoline Range Organics (GRO)	A	ug/L	238.6978	238.6978		0	0	0	2.32	20	0	0%	0	0	0%	
Total Purgeable Hydrocarbons	A	ug/L	248.8497	248.8497		0	0	0	3.56	20	0	0%	0	0	0%	
Trifluorotoluene	S	ug/L	19.74606	19.74606		25	0	0	0.0743	1	0	79%	70	130	0%	
GRO as Gasoline	X	ug/L	238.6978	238.6978		0	0	0	2.32	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					
14984631	CCV_0117PE10	HC-8015-GRO-	CCV		1/17/2022 10:24:	1	R373334		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	182.3442	182.3442		168	0	0	2.32	20	0	109%	80	120	0%	
Gasoline Range Organics (GRO)	A	ug/L	182.3442	182.3442		168	0	0	2.32	20	0	109%	80	120	0%	
Total Purgeable Hydrocarbons	A	ug/L	218.6316	218.6316		200	0	0	3.56	20	0	109%	80	120	0%	
Trifluorotoluene	S	ug/L	22.65046	22.65046		25	0	0	0.0743	1	0	91%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
14984631	CCV_0117PE10	HC-8015-GRO-	CCV		1/17/2022 10:24:	1	R373334		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
GRO as Gasoline	X	ug/L	182.3442	182.3442		0	0	0	2.32	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					
14984632	LCS_0117PE10	HC-8015-GRO-	LCS		1/17/2022 10:58:	1	R373334		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	162.274	162.274		170	0	0	2.32	20	0	95%	78	122	0%	
Gasoline Range Organics (GRO)	A	ug/L	162.274	162.274		170	0	0	2.32	20	0	95%	70	130	0%	
Total Purgeable Hydrocarbons	A	ug/L	192.1339	192.1339		200	0	0	3.56	20	0	96%	70	130	0%	
Trifluorotoluene	S	ug/L	21.85907	21.85907		25	0	0	0.0743	1	0	87%	70	130	0%	
GRO as Gasoline	X	ug/L	162.274	162.274		170	0	0	2.32	20	0	95%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
14984633	MBLK_0117PE	HC-8015-GRO-	MBLK		1/17/2022 11:33:	1	R373334		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	2.32	10	0	0%	0	0	0%	
Gasoline Range Organics (GRO)	A	ug/L	0	0		0	0	0	2.32	10	0	0%	0	0	0%	
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	10	0	0%	0	0	0%	
Trifluorotoluene	S	ug/L	19.19706	19.19706		25	0	0	0.0743	1	0	77%	70	130	0%	
GRO as Gasoline	X	ug/L	0	0		0	0	0	2.32	10	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					
14984634	B22010971-001	HC-8015-GRO-	SAMP		1/17/2022 1:16:1	1	R373334		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	2.32	20	0	0%	0	0	0%	U
Gasoline Range Organics (GRO)	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	19.60422	19.60422		25	0	0	0.0743	1	0	78%	70	130	0%	
GRO as Gasoline	X	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
14984635	B22010971-003	HC-8015-GRO-	SAMP		1/17/2022 2:24:4	1	R373334		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	2.32	20	0	0%	0	0	0%	U
Gasoline Range Organics (GRO)	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	18.8439	18.8439		25	0	0	0.0743	1	0	75%	70	130	0%	
GRO as Gasoline	X	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
14984636	B22010972-003	HC-8015-GRO-	SAMP		1/17/2022 2:58:5	1	R373334		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	2.32	20	0	0%	0	0	0%	U
Gasoline Range Organics (GRO)	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	18.65841	18.65841		25	0	0	0.0743	1	0	75%	70	130	0%	
GRO as Gasoline	X	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
14984637	B22010973-003	HC-8015-GRO-	SAMP		1/17/2022 3:33:1	1	R373334		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	2.32	20	0	0%	0	0	0%	U
Gasoline Range Organics (GRO)	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	18.36028	18.36028		25	0	0	0.0743	1	0	73%	70	130	0%	
GRO as Gasoline	X	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
14984638	B22010974-003	HC-8015-GRO-	SAMP		1/17/2022 4:07:3	1	R373334		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	2.32	20	0	0%	0	0	0%	U
Gasoline Range Organics (GRO)	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	16.2889	16.2889		25	0	0	0.0743	1	0	65%	70	130	0%	S

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
14984638	B22010974-003	HC-8015-GRO-	SAMP		1/17/2022 4:07:3	1	R373334		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
GRO as Gasoline	X	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
14984639	B22010975-003	HC-8015-GRO-	SAMP		1/17/2022 4:41:5	1	R373334		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	2.32	20	0	0%	0	0	0%	U
Gasoline Range Organics (GRO)	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	15.75363	15.75363		25	0	0	0.0743	1	0	63%	70	130	0%	S
GRO as Gasoline	X	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
14984640	B22010976-003	HC-8015-GRO-	SAMP		1/17/2022 5:16:1	1	R373334		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	2.32	20	0	0%	0	0	0%	U
Gasoline Range Organics (GRO)	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	19.01213	19.01213		25	0	0	0.0743	1	0	76%	70	130	0%	
GRO as Gasoline	X	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
14984641	B22010977-003	HC-8015-GRO-	SAMP		1/17/2022 5:50:3	1	R373334		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	2.32	20	0	0%	0	0	0%	U
Gasoline Range Organics (GRO)	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	19.16545	19.16545		25	0	0	0.0743	1	0	77%	70	130	0%	
GRO as Gasoline	X	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
14984642	B22010978-003	HC-8015-GRO-	SAMP		1/17/2022 6:25:0	1	R373334		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	2.32	20	0	0%	0	0	0%	U
Gasoline Range Organics (GRO)	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	19.49908	19.49908		25	0	0	0.0743	1	0	78%	70	130	0%	
GRO as Gasoline	X	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
14984643	B22010979-003	HC-8015-GRO-	SAMP		1/17/2022 6:59:2	1	R373334		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	2.32	20	0	0%	0	0	0%	U
Gasoline Range Organics (GRO)	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	19.28379	19.28379		25	0	0	0.0743	1	0	77%	70	130	0%	
GRO as Gasoline	X	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
14984644	B22010971-001	HC-8015-GRO-	MS		1/17/2022 7:33:3	1	R373334		1E+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	156.3987	156.3987		170	0	0	2.32	20	0	92%	78	122	0%	
Gasoline Range Organics (GRO)	A	ug/L	156.3987	156.3987		170	0	0	2.32	20	0	92%	70	130	0%	
Total Purgeable Hydrocarbons	A	ug/L	185.6486	185.6486		200	0	0	3.56	20	0	93%	70	130	0%	
Trifluorotoluene	S	ug/L	23.15513	23.15513		25	0	0	0.0743	1	0	93%	70	130	0%	
GRO as Gasoline	X	ug/L	156.3987	156.3987		0	0	0	2.32	20	0	0%	70	130	0%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
14984645	B22010971-001	HC-8015-GRO-	MSD		1/17/2022 8:07:5	1	R373334		1E+07	1E+07						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	160.6606	160.6606		170	0	156.3987	2.32	20	0	95%	78	122	3%	
Gasoline Range Organics (GRO)	A	ug/L	160.6606	160.6606		170	0	156.3987	2.32	20	0	95%	70	130	3%	
Total Purgeable Hydrocarbons	A	ug/L	190.4943	190.4943		200	0	185.6486	3.56	20	0	95%	70	130	3%	
Trifluorotoluene	S	ug/L	23.42235	23.42235		25	0	0	0.0743	1	0	94%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
14984645	B22010971-001	HC-8015-GRO-	MSD		1/17/2022 8:07:5	1	R373334		1E+07	1E+07						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
GRO as Gasoline	X	ug/L	160.6606	160.6606		0	0	156.3987	2.32	20	0	0%	70	130	3%	
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
14984646	CCV_0117PE12	HC-8015-GRO-	SAMP		1/17/2022 9:16:2	1	R373334		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	217.7164	217.7164		0	0	0	2.32	20	0	0%	0	0	0%	
Gasoline Range Organics (GRO)	A	ug/L	217.7164	217.7164		0	0	0	2.32	20	0	0%	0	0	0%	
Total Purgeable Hydrocarbons	A	ug/L	227.0348	227.0348		0	0	0	3.56	20	0	0%	0	0	0%	
Trifluorotoluene	S	ug/L	19.98518	19.98518		25	0	0	0.0743	1	0	80%	70	130	0%	
GRO as Gasoline	X	ug/L	217.7164	217.7164		0	0	0	2.32	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					
14984647	CCV_0117PE12	HC-8015-GRO-	CCV		1/17/2022 9:50:3	1	R373334		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	180.6869	180.6869		168	0	0	2.32	20	0	108%	80	120	0%	
Gasoline Range Organics (GRO)	A	ug/L	180.6869	180.6869		168	0	0	2.32	20	0	108%	80	120	0%	
Total Purgeable Hydrocarbons	A	ug/L	216.5066	216.5066		200	0	0	3.56	20	0	108%	80	120	0%	
Trifluorotoluene	S	ug/L	23.98783	23.98783		25	0	0	0.0743	1	0	96%	80	120	0%	
GRO as Gasoline	X	ug/L	180.6869	180.6869		0	0	0	2.32	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					
14984648	LCS_0117PE12	HC-8015-GRO-	LCS		1/17/2022 10:24:	1	R373334		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	151.6909	151.6909		170	0	0	2.32	20	0	89%	78	122	0%	
Gasoline Range Organics (GRO)	A	ug/L	151.6909	151.6909		170	0	0	2.32	20	0	89%	70	130	0%	
Total Purgeable Hydrocarbons	A	ug/L	179.4895	179.4895		200	0	0	3.56	20	0	90%	70	130	0%	
Trifluorotoluene	S	ug/L	22.8178	22.8178		25	0	0	0.0743	1	0	91%	70	130	0%	
GRO as Gasoline	X	ug/L	151.6909	151.6909		170	0	0	2.32	20	0	89%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
14984649	MBLK_0117PE	HC-8015-GRO-	MBLK		1/17/2022 10:59:	1	R373334		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	2.32	10	0	0%	0	0	0%	
Gasoline Range Organics (GRO)	A	ug/L	0	0		0	0	0	2.32	10	0	0%	0	0	0%	
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	10	0	0%	0	0	0%	
Trifluorotoluene	S	ug/L	20.98484	20.98484		25	0	0	0.0743	1	0	84%	70	130	0%	
GRO as Gasoline	X	ug/L	0	0		0	0	0	2.32	10	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					
14984650	B22010972-001	HC-8015-GRO-	SAMP		1/17/2022 11:33:	1	R373334		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	2.32	20	0	0%	0	0	0%	U
Gasoline Range Organics (GRO)	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	20.89564	20.89564		25	0	0	0.0743	1	0	84%	70	130	0%	
GRO as Gasoline	X	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
14984651	B22010973-001	HC-8015-GRO-	SAMP		1/18/2022 12:42:	1	R373334		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	2.32	20	0	0%	0	0	0%	U
Gasoline Range Organics (GRO)	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	20.8792	20.8792		25	0	0	0.0743	1	0	84%	70	130	0%	
GRO as Gasoline	X	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
14984652	B22010974-001	HC-8015-GRO-	SAMP		1/18/2022 1:50:4	1	R373334		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	2.32	20	0	0%	0	0	0%	U
Gasoline Range Organics (GRO)	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	21.14949	21.14949		25	0	0	0.0743	1	0	85%	70	130	0%	

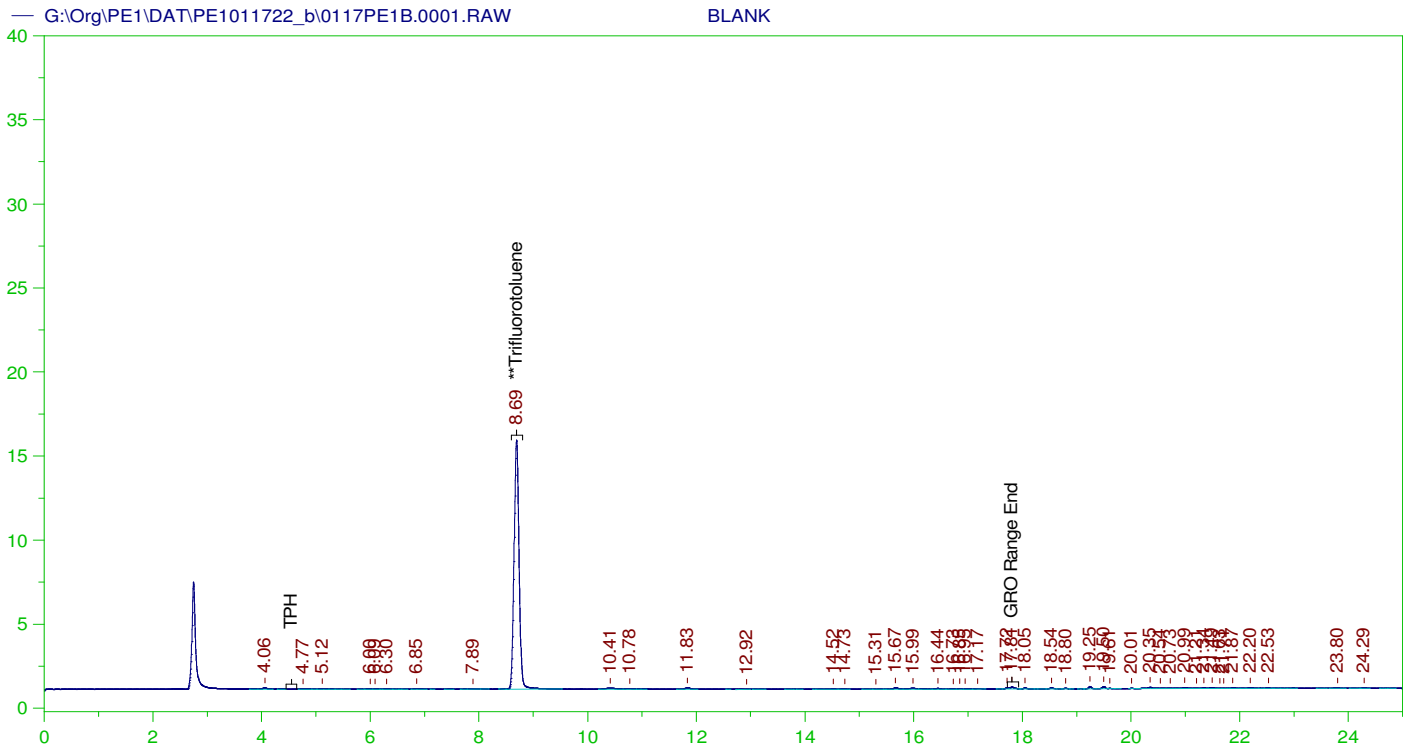
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
14984652	B22010974-001	HC-8015-GRO-	SAMP		1/18/2022 1:50:4	1	R373334		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
GRO as Gasoline	X	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
14984653	B22010975-001	HC-8015-GRO-	SAMP		1/18/2022 2:59:2	1	R373334		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	2.32	20	0	0%	0	0	0%	U
Gasoline Range Organics (GRO)	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	20.53174	20.53174		25	0	0	0.0743	1	0	82%	70	130	0%	
GRO as Gasoline	X	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
14984654	B22010976-001	HC-8015-GRO-	SAMP		1/18/2022 4:07:5	1	R373334		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	2.32	20	0	0%	0	0	0%	U
Gasoline Range Organics (GRO)	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	42.75452	42.75452		0	0	0	3.56	20	0	0%	0	0	0%	
Trifluorotoluene	S	ug/L	20.76533	20.76533		25	0	0	0.0743	1	0	83%	70	130	0%	
GRO as Gasoline	X	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
14984655	B22010977-001	HC-8015-GRO-	SAMP		1/18/2022 5:16:2	1	R373334		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	2.32	20	0	0%	0	0	0%	U
Gasoline Range Organics (GRO)	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	20.57537	20.57537		25	0	0	0.0743	1	0	82%	70	130	0%	
GRO as Gasoline	X	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
14984656	B22010978-001	HC-8015-GRO-	SAMP		1/18/2022 6:25:0	1	R373334		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	2.32	20	0	0%	0	0	0%	U
Gasoline Range Organics (GRO)	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	20.64511	20.64511		25	0	0	0.0743	1	0	83%	70	130	0%	
GRO as Gasoline	X	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
14984657	B22010979-001	HC-8015-GRO-	SAMP		1/18/2022 7:33:3	1	R373334		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	2.32	20	0	0%	0	0	0%	U
Gasoline Range Organics (GRO)	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	20.60816	20.60816		25	0	0	0.0743	1	0	82%	70	130	0%	
GRO as Gasoline	X	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
14984658	CCV_0117PE14	HC-8015-GRO-	SAMP		1/18/2022 8:41:5	1	R373334		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	226.9449	226.9449		0	0	0	2.32	20	0	0%	0	0	0%	
Gasoline Range Organics (GRO)	A	ug/L	226.9449	226.9449		0	0	0	2.32	20	0	0%	0	0	0%	
Total Purgeable Hydrocarbons	A	ug/L	236.8384	236.8384		0	0	0	3.56	20	0	0%	0	0	0%	
Trifluorotoluene	S	ug/L	20.78811	20.78811		25	0	0	0.0743	1	0	83%	70	130	0%	
GRO as Gasoline	X	ug/L	226.9449	226.9449		0	0	0	2.32	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					
14984659	CCV_0117PE14	HC-8015-GRO-	CCV		1/18/2022 9:16:1	1	R373334		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	169.2159	169.2159		168	0	0	2.32	20	0	101%	80	120	0%	
Gasoline Range Organics (GRO)	A	ug/L	169.2159	169.2159		168	0	0	2.32	20	0	101%	80	120	0%	
Total Purgeable Hydrocarbons	A	ug/L	203.2421	203.2421		200	0	0	3.56	20	0	102%	80	120	0%	
Trifluorotoluene	S	ug/L	23.42359	23.42359		25	0	0	0.0743	1	0	94%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
14984659	CCV_0117PE14	HC-8015-GRO-	CCV		1/18/2022 9:16:1	1	R373334		0	0						
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
GRO as Gasoline	X	ug/L	169.2159	169.2159		0	0	0	2.32	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					
14984660	LCS_0117PE14	HC-8015-GRO-	LCS		1/18/2022 9:50:3	1	R373334		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	154.125	154.125		170	0	0	2.32	20	0	91%	78	122	0%	
Gasoline Range Organics (GRO)	A	ug/L	154.125	154.125		170	0	0	2.32	20	0	91%	70	130	0%	
Total Purgeable Hydrocarbons	A	ug/L	182.278	182.278		200	0	0	3.56	20	0	91%	70	130	0%	
Trifluorotoluene	S	ug/L	22.38779	22.38779		25	0	0	0.0743	1	0	90%	70	130	0%	
GRO as Gasoline	X	ug/L	154.125	154.125		170	0	0	2.32	20	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					
14984661	MBLK_0117PE	HC-8015-GRO-	MBLK		1/18/2022 10:24:	1	R373334		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	2.32	10	0	0%	0	0	0%	
Gasoline Range Organics (GRO)	A	ug/L	0	0		0	0	0	2.32	10	0	0%	0	0	0%	
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	10	0	0%	0	0	0%	
Trifluorotoluene	S	ug/L	20.94129	20.94129		25	0	0	0.0743	1	0	84%	70	130	0%	
GRO as Gasoline	X	ug/L	0	0		0	0	0	2.32	10	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					
14984662	B22010980-001	HC-8015-GRO-	SAMP		1/18/2022 10:59:	1	R373334		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	2.32	20	0	0%	0	0	0%	U
Gasoline Range Organics (GRO)	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	20.14021	20.14021		25	0	0	0.0743	1	0	81%	70	130	0%	
GRO as Gasoline	X	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
14984663	B22010980-003	HC-8015-GRO-	SAMP		1/18/2022 12:08:	1	R373334		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	2.32	20	0	0%	0	0	0%	U
Gasoline Range Organics (GRO)	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	20.50811	20.50811		25	0	0	0.0743	1	0	82%	70	130	0%	
GRO as Gasoline	X	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist					
14984664	CCV_0117PE15	HC-8015-GRO-	SAMP		1/18/2022 12:42:	1	R373334		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	231.6451	231.6451		0	0	0	2.32	20	0	0%	0	0	0%	
Gasoline Range Organics (GRO)	A	ug/L	231.6451	231.6451		0	0	0	2.32	20	0	0%	0	0	0%	
Total Purgeable Hydrocarbons	A	ug/L	241.7748	241.7748		0	0	0	3.56	20	0	0%	0	0	0%	
Trifluorotoluene	S	ug/L	20.54371	20.54371		25	0	0	0.0743	1	0	82%	70	130	0%	
GRO as Gasoline	X	ug/L	231.6451	231.6451		0	0	0	2.32	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					
14984665	CCV_0117PE15	HC-8015-GRO-	CCV		1/18/2022 1:16:4	1	R373334		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	178.0123	178.0123		168	0	0	2.32	20	0	106%	80	120	0%	
Gasoline Range Organics (GRO)	A	ug/L	178.0123	178.0123		168	0	0	2.32	20	0	106%	80	120	0%	
Total Purgeable Hydrocarbons	A	ug/L	213.9611	213.9611		200	0	0	3.56	20	0	107%	80	120	0%	
Trifluorotoluene	S	ug/L	23.80035	23.80035		25	0	0	0.0743	1	0	95%	80	120	0%	
GRO as Gasoline	X	ug/L	178.0123	178.0123		0	0	0	2.32	20	0	0%	0	0	0%	

G:\Org\PE1\DAT\PE1011722_b\0117PE1.49r	B22010980-001G ;0117PE1 , \$HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
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G:\Org\PE1\DAT\PE1011722_b\0117PE1.51r	B22010980-003A ;0117PE1 , \$HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0
G:\Org\PE1\DAT\PE1011722_b\0117PE1.52r	CCV_0117PE152r, GQC ;0117PE1 ,	G:\Org\PE1\Methods\21120	1	1	1	1	0
G:\Org\PE1\DAT\PE1011722_b\0117PE1.53r	CCV_0117PE153r, GQC ;0117PE1 ,	G:\Org\PE1\Methods\21120	1	1	1	1	0



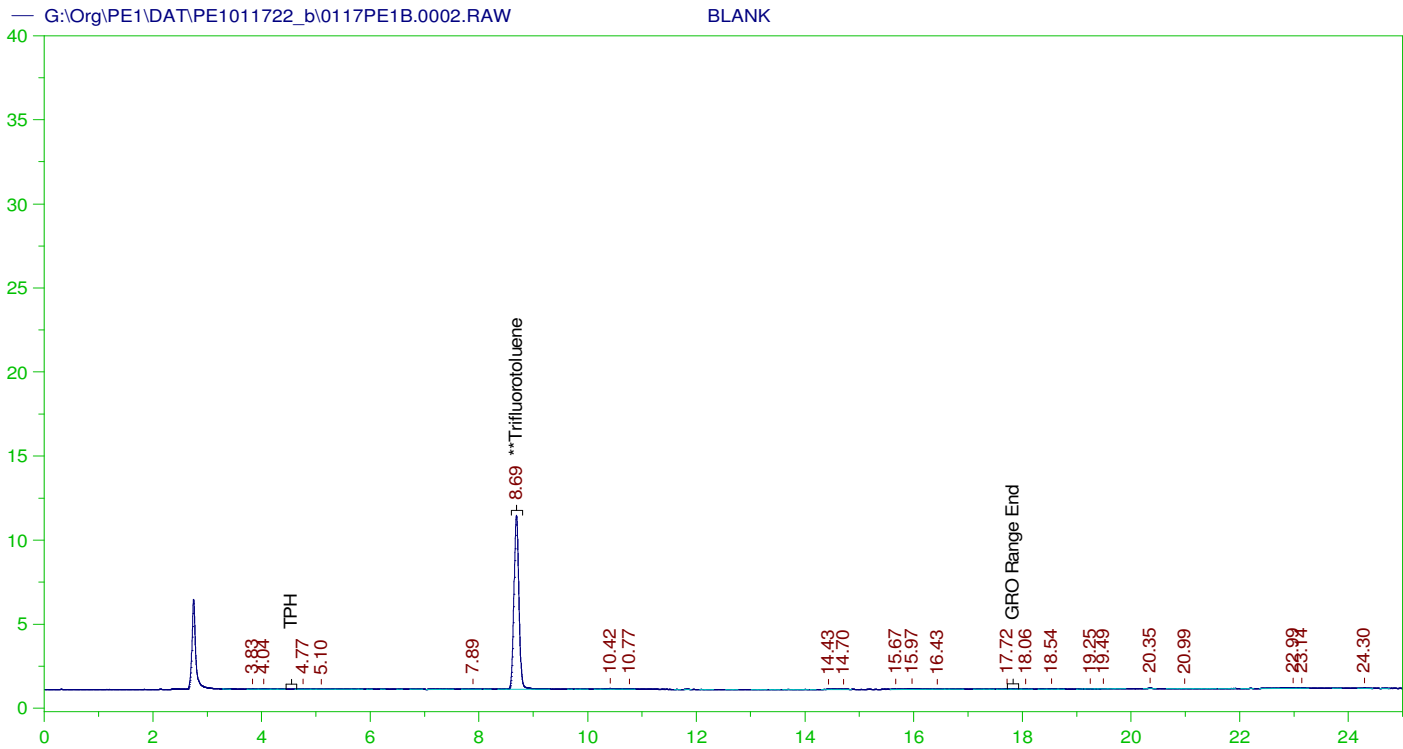
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0001.RAW
 Date & Time Acquired: 1/17/2022 7:33:33 AM
 Method File: G:\Org\PE1\Methods\211208GROB.MET
 Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
 Mean RF for TPH: 909.3915
 Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.692	125.	100.516	80.41

GRO Area:6954.405 GRO Amount: 7.35163
 TPH Area:11863.57 TPH Amount: 13.04561



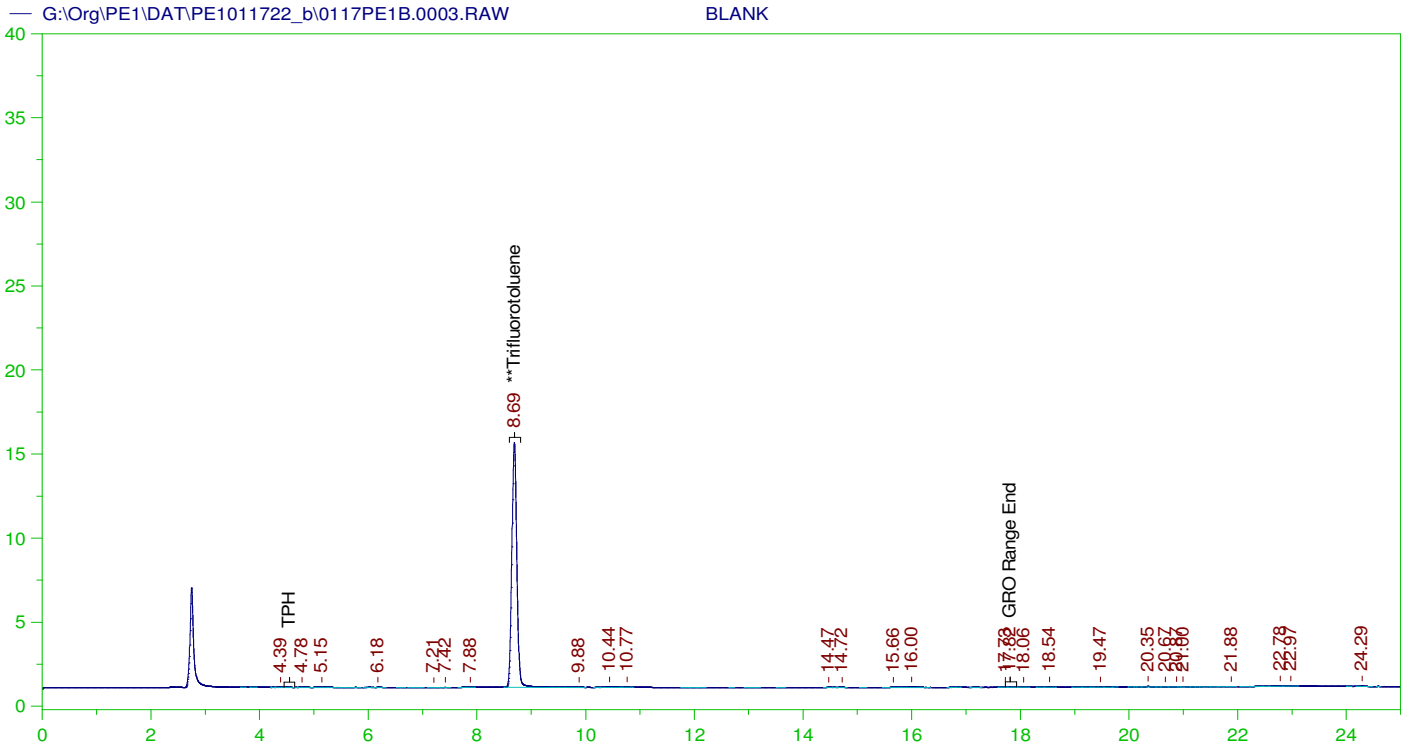
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0002.RAW
 Date & Time Acquired: 1/17/2022 8:07:45 AM
 Method File: G:\Org\PE1\Methods\211208GROB.MET
 Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
 Mean RF for TPH: 909.3915
 Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.69	125.	70.059	56.05

GRO Area: 2918.787 GRO Amount: 3.085503
 TPH Area: 4873.304 TPH Amount: 5.358862



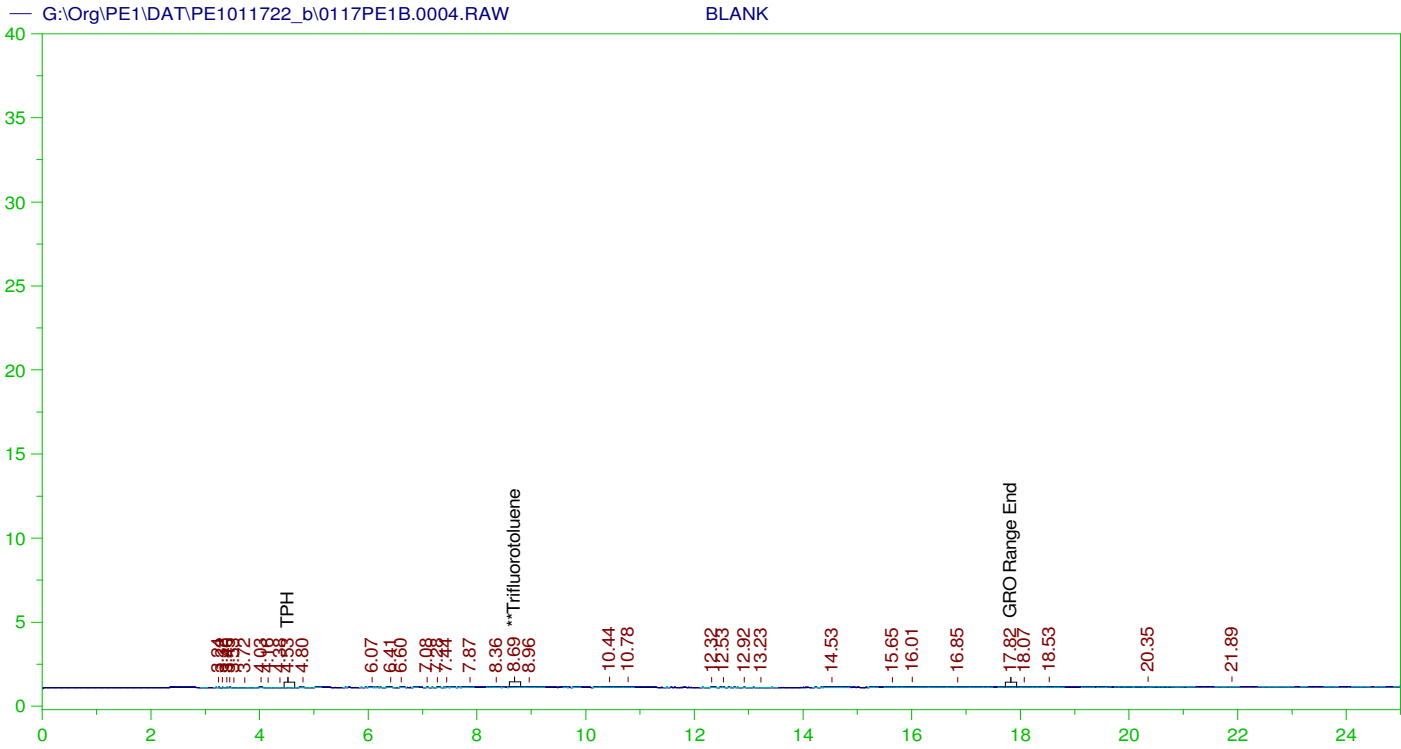
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0003.RAW
 Date & Time Acquired: 1/17/2022 8:41:56 AM
 Method File: G:\Org\PE1\Methods\211208GROB.MET
 Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
 Mean RF for TPH: 909.3915
 Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.688	125.	99.157	79.33

GRO Area: 2567.209 GRO Amount: 2.713844
 TPH Area: 4318.277 TPH Amount: 4.748535



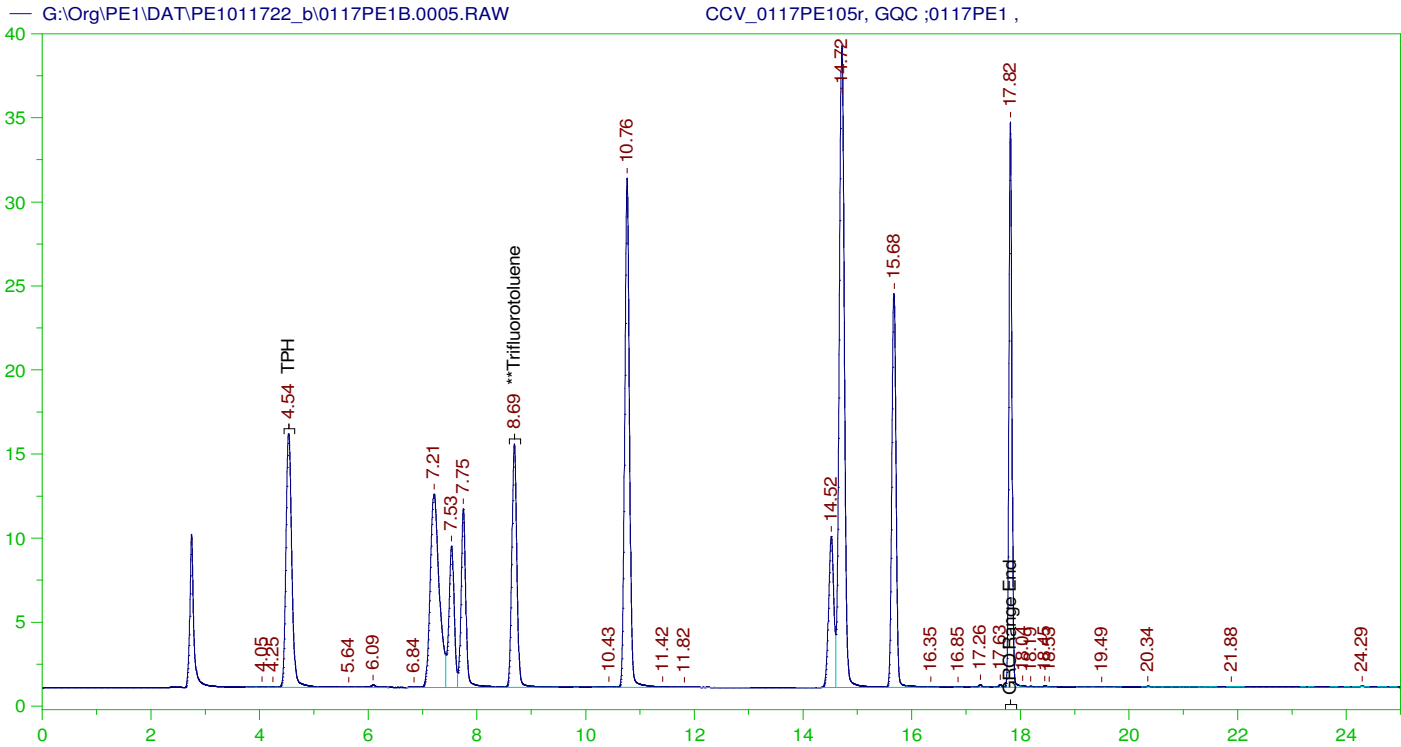
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
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 Date & Time Acquired: 1/17/2022 9:16:12 AM
 Method File: G:\Org\PE1\Methods\211208GROB.MET
 Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
 Mean RF for TPH: 909.3915
 Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.689	125.	.181	.14

GRO Area:3004.657 GRO Amount: 3.176279
 TPH Area:5034.359 TPH Amount: 5.535965



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_0117PE105r, GQC ;0117PE1 ,
Raw File: G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0005.RAW
Date & Time Acquired: 1/17/2022 9:50:27 AM
Method File: G:\Org\PE1\Methods\211208GROB.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

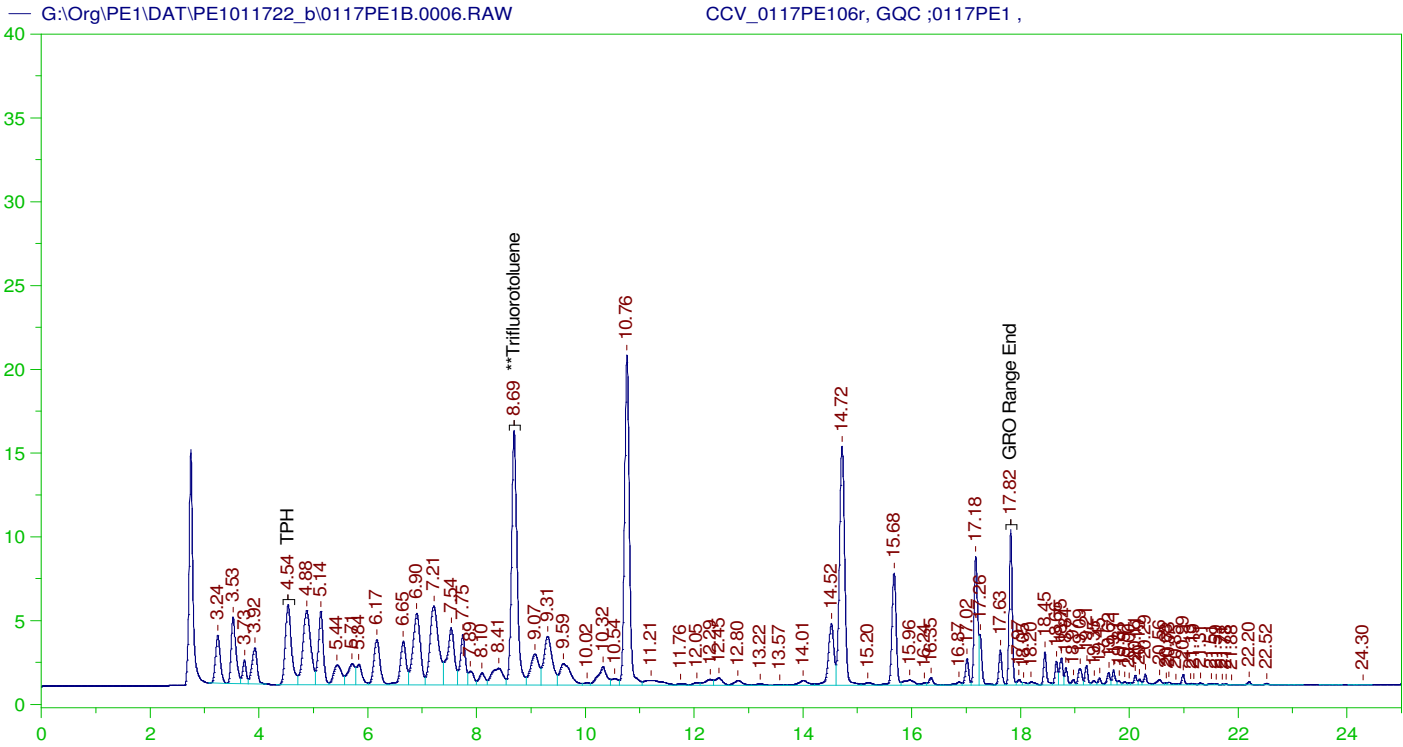
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.688	125.	98.73	78.98

GRO Area:1129002 GRO Amount: 1193.489
TPH Area:1131509 TPH Amount: 1244.249

CONTINUING CALIBRATION REPORT: G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0005.RAW

COMPOUND	ACTUAL (NG)	MEASURED (NG)	%RECOVERY	LIMITS
GRO	840.	1193.49	142.08	85-115
TPH	1000.	1244.25	124.42	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	8.688	125.	98.73	78.98	85-115



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_0117PE106r, GQC ;0117PE1 ,
 Raw File: G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0006.RAW
 Date & Time Acquired: 1/17/2022 10:24:40 AM
 Method File: G:\Org\PE1\Methods\211208GCCV0117_06B%.MET
 Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
 Mean RF for TPH: 909.3915
 Rt range for Gasoline Range Organics: 4.45 to 17.93

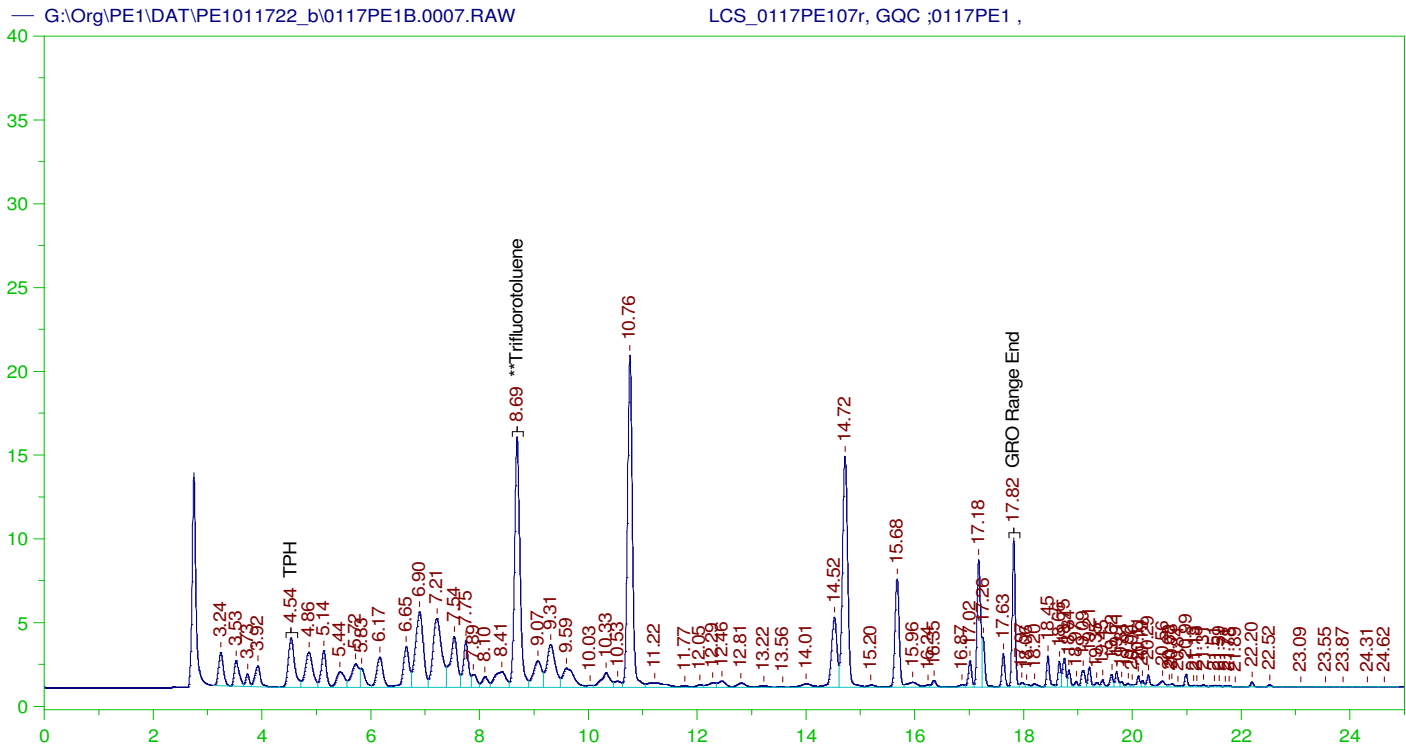
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.691	125.	113.252	90.6

GRO Area:862458.8 GRO Amount: 911.7211
 TPH Area:994108.6 TPH Amount: 1093.158

CONTINUING CALIBRATION REPORT: G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0006.RAW

COMPOUND	ACTUAL (NG)	MEASURED (NG)	%RECOVERY	LIMITS
GRO	840.	911.72	108.54	85-115
TPH	1000.	1093.16	109.32	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	8.691	125.	113.252	90.6	85-115



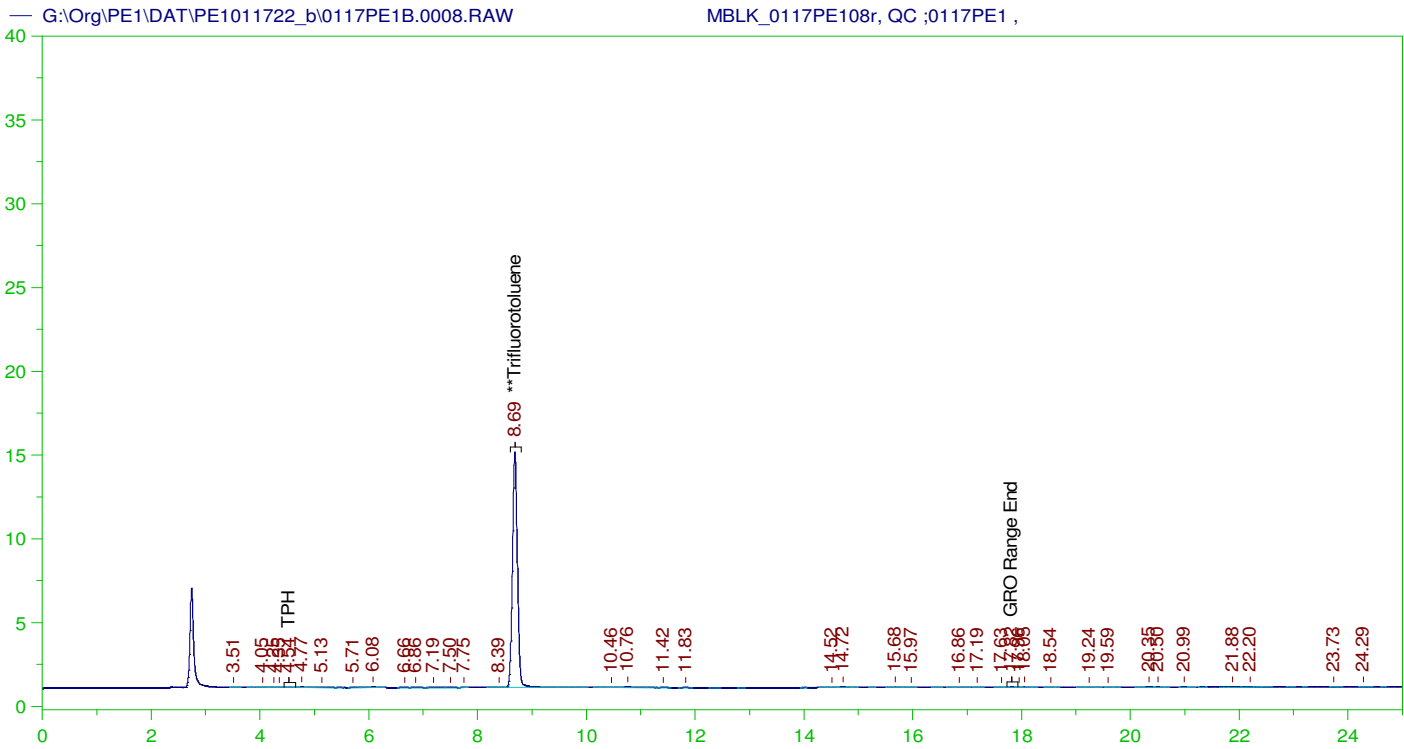
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: LCS_0117PE107r, GQC ;0117PE1 ,
 Raw File: G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0007.RAW
 Date & Time Acquired: 1/17/2022 10:58:56 AM
 Method File: G:\Org\PE1\Methods\211208GLCS0117_07B%.MET
 Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
 Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
 Mean RF for TPH: 909.3915
 Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.691	25.	21.859	87.44

GRO Area: 767529.9 GRO Amount: 162.274
 TPH Area: 873624.6 TPH Amount: 192.1339



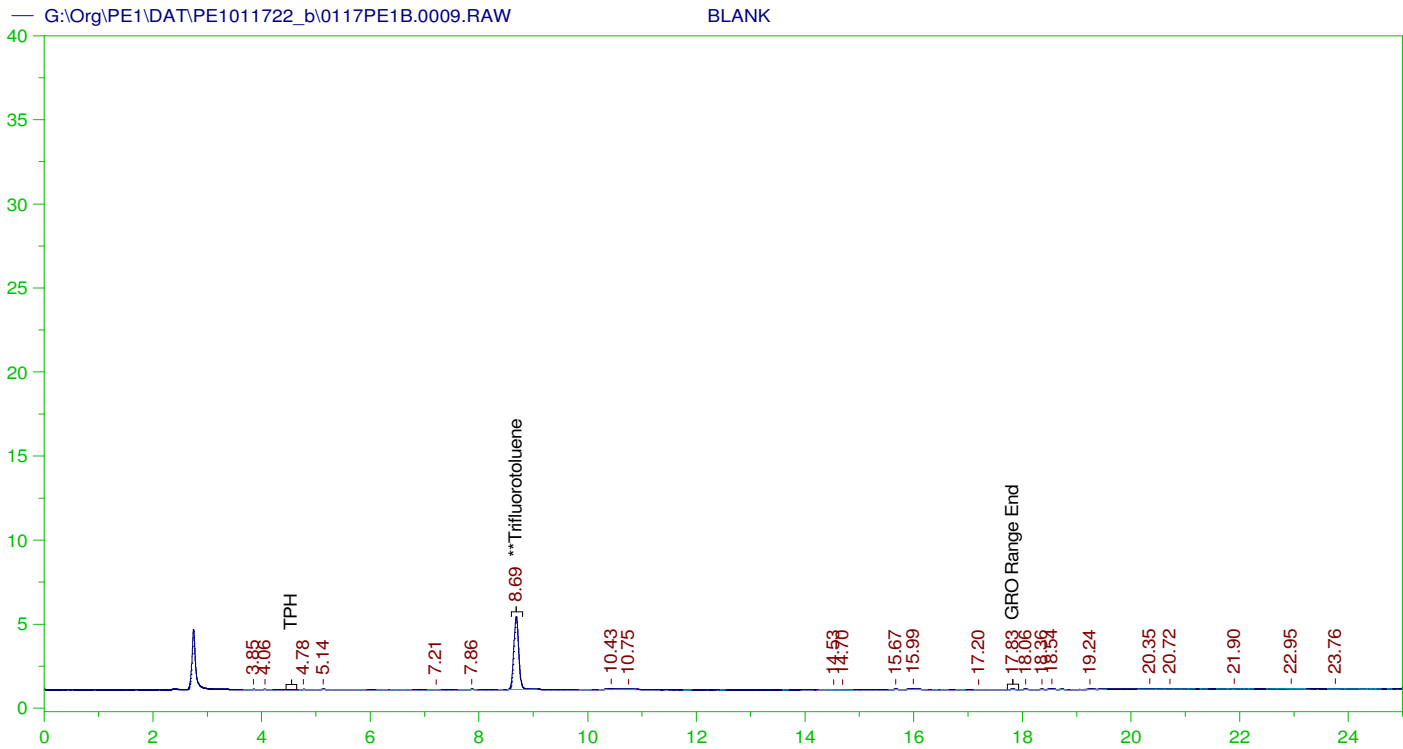
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: MBLK_0117PE108r, QC ;0117PE1 ,
 Raw File: G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0008.RAW
 Date & Time Acquired: 1/17/2022 11:33:14 AM
 Method File: G:\Org\PE1\Methods\211208GROB%.MET
 Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
 Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
 Mean RF for TPH: 909.3915
 Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.687	25.	19.197	76.79

GRO Area:4688.219 GRO Amount: 0.9912006
 TPH Area:6430.164 TPH Amount: 1.414168



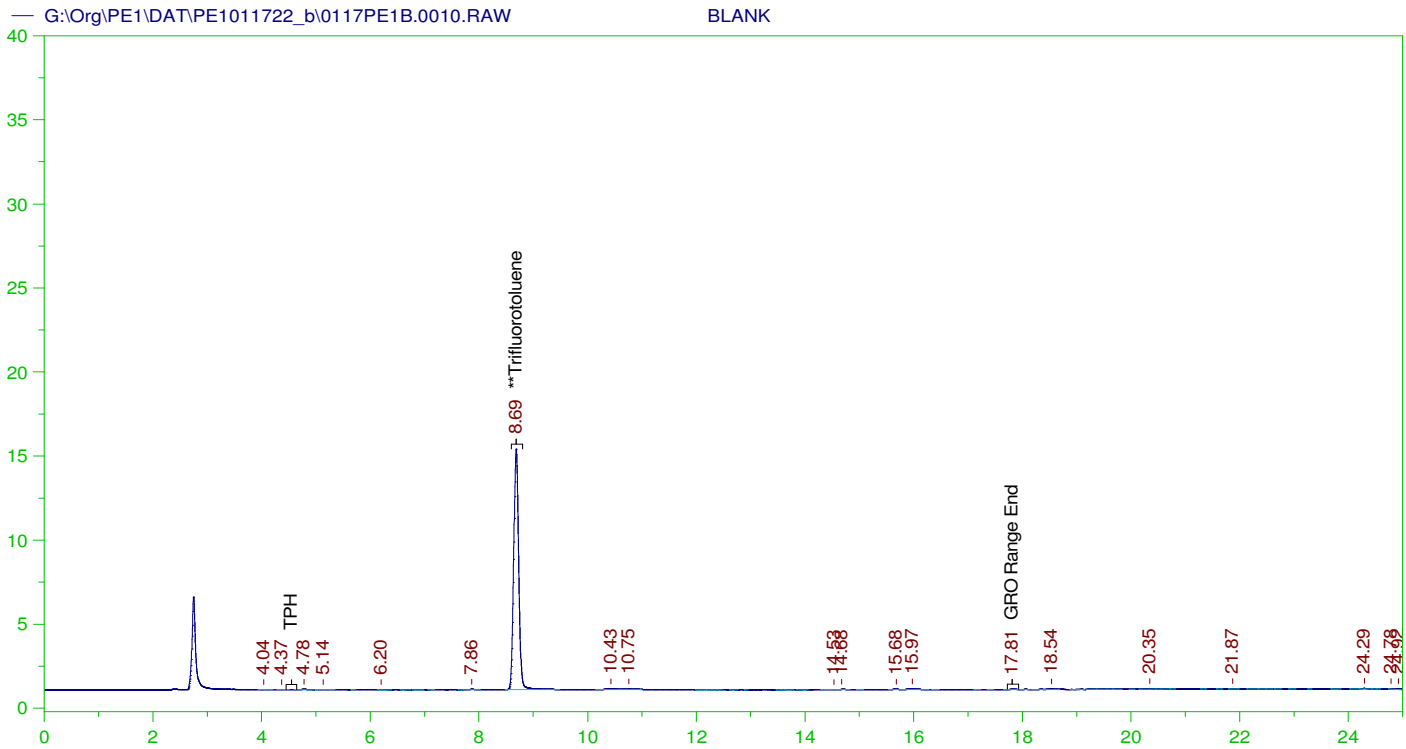
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0009.RAW
 Date & Time Acquired: 1/17/2022 12:07:35 PM
 Method File: G:\Org\PE1\Methods\211208GROB.MET
 Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
 Mean RF for TPH: 909.3915
 Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.687	125.	29.111	23.29

GRO Area: 2607.234 GRO Amount: 2.756155
 TPH Area: 4199.352 TPH Amount: 4.617761



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0010.RAW
 Date & Time Acquired: 1/17/2022 12:42:00 PM
 Method File: G:\Org\PE1\Methods\211208GROB.MET
 Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
 Mean RF for TPH: 909.3915
 Rt range for Gasoline Range Organics: 4.45 to 17.93

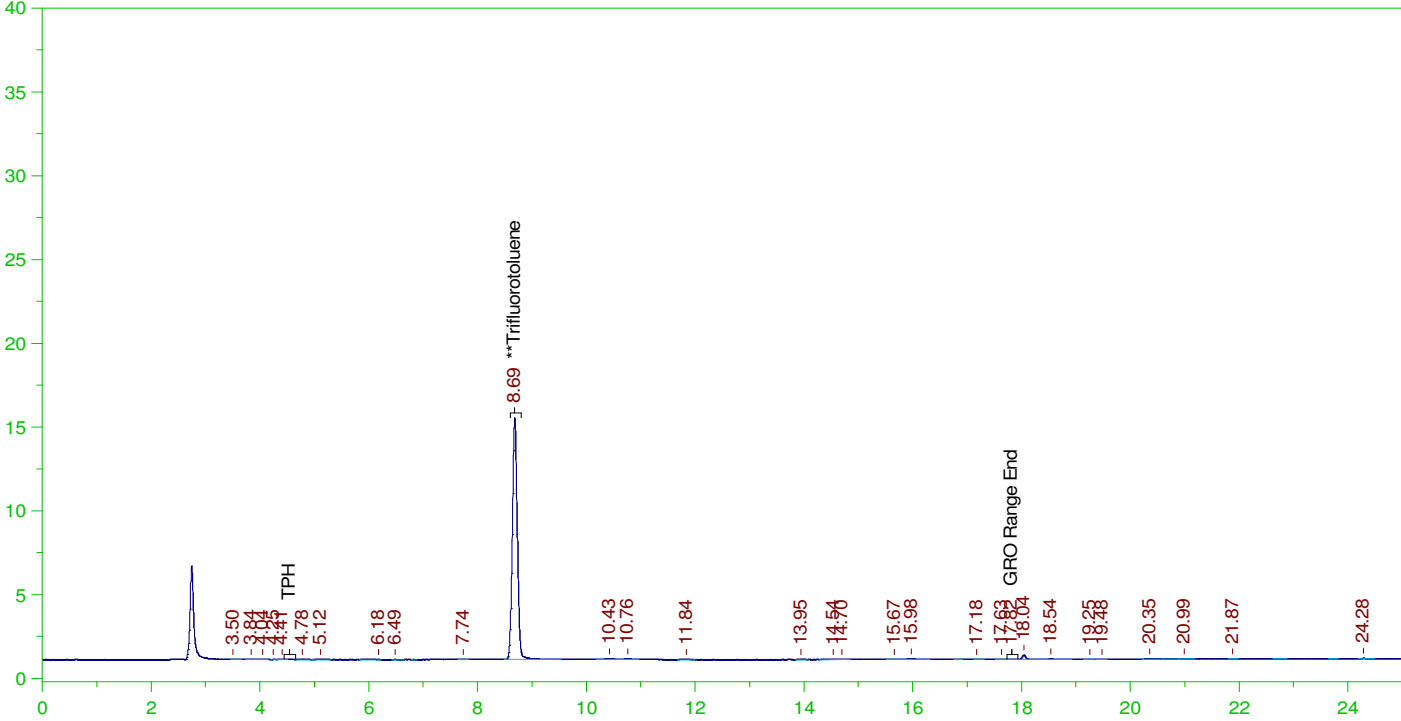
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.685	125.	97.196	77.76

GRO Area:2754.756 GRO Amount: 2.912104
 TPH Area:4722.309 TPH Amount: 5.192823

ERH2410 (RHMW12A)

G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0011.RAW

B22010971-001G ;0117PE1 , \$HC-8015-GRO-W,



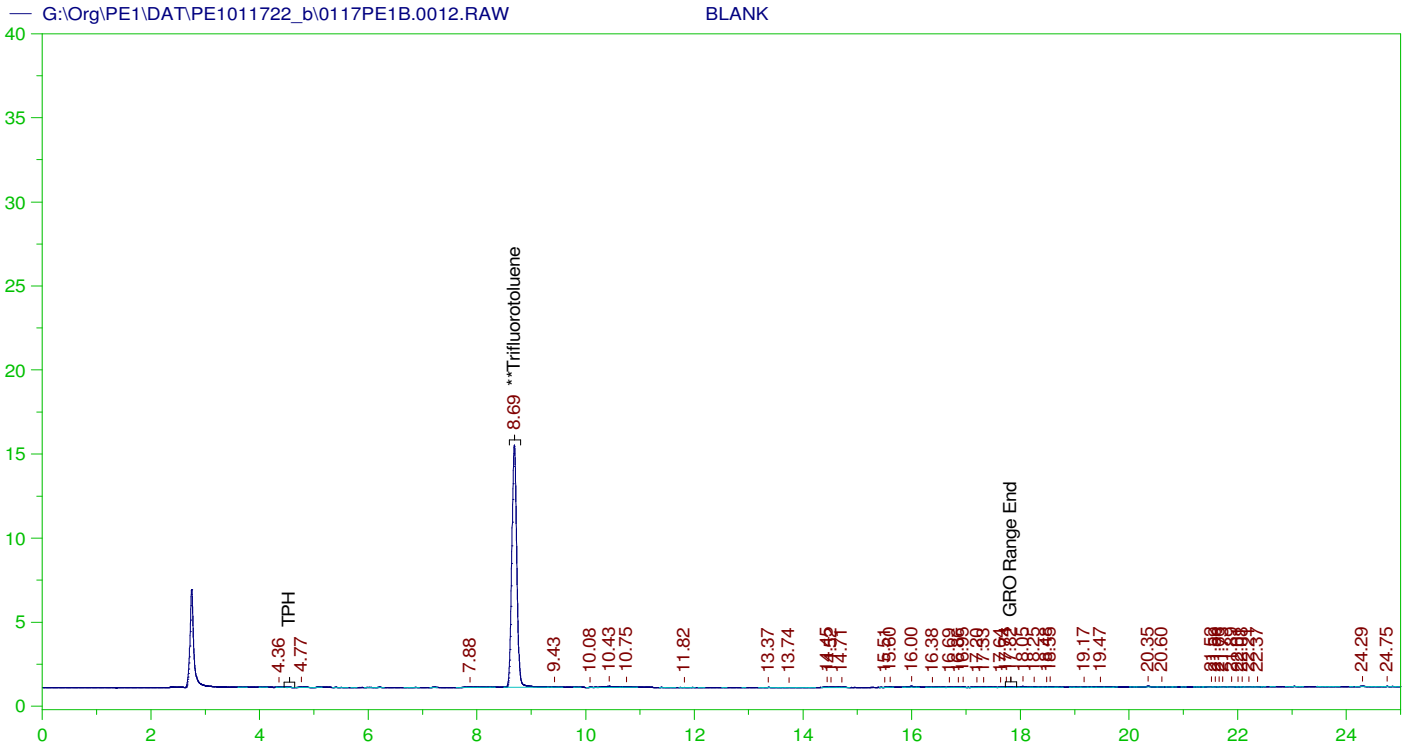
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22010971-001G ;0117PE1 , \$HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0011.RAW
Date & Time Acquired: 1/17/2022 1:16:15 PM
Method File: G:\Org\PE1\Methods\211208G971-1B%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.685	25.	19.604	78.42

GRO Area:3824.157 GRO Amount: 0.8085173
TPH Area:6682.092 TPH Amount: 1.469574



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0012.RAW
 Date & Time Acquired: 1/17/2022 1:50:29 PM
 Method File: G:\Org\PE1\Methods\211208GROB.MET
 Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
 Mean RF for TPH: 909.3915
 Rt range for Gasoline Range Organics: 4.45 to 17.93

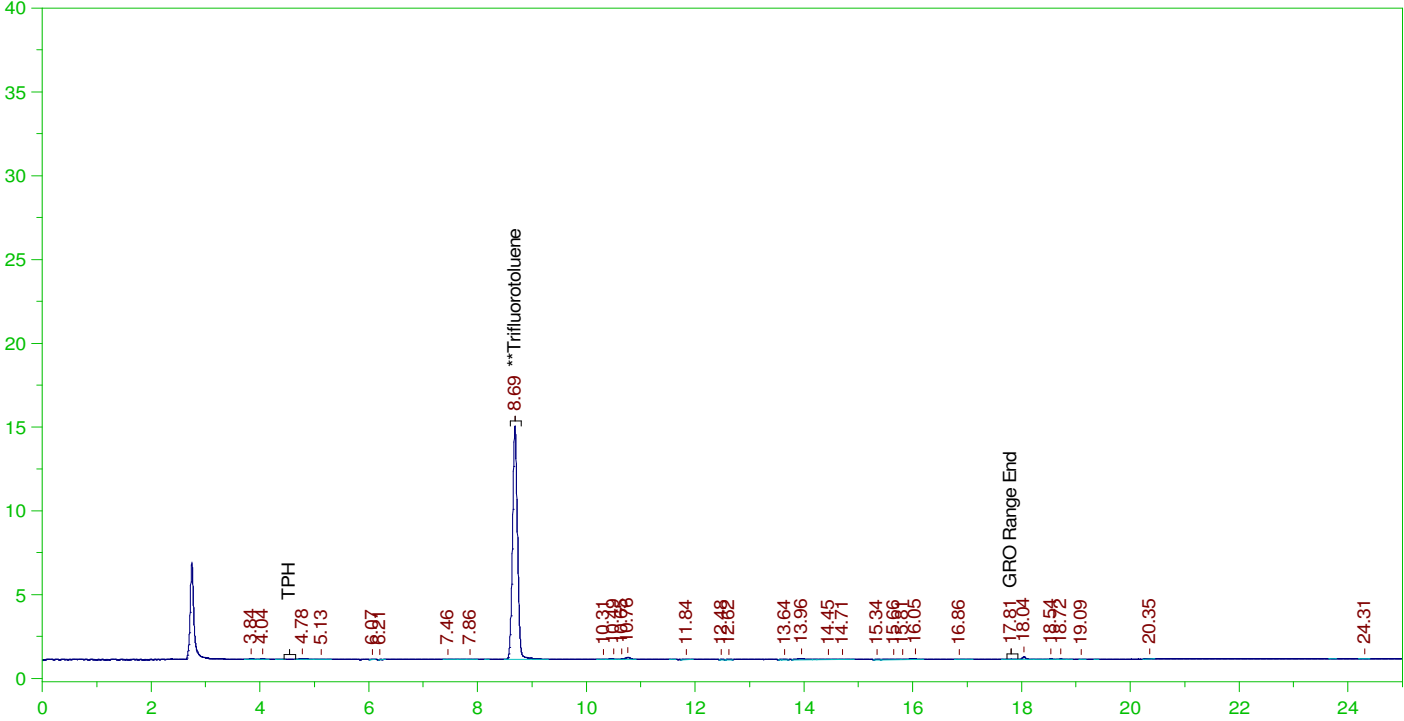
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.687	125.	97.992	78.39

GRO Area: 4233.245 GRO Amount: 4.475041
 TPH Area: 7613.941 TPH Amount: 8.372567

ERH2409 (Trip Blank) 14653

G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0013.RAW

B22010971-003A ;0117PE1 , \$HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22010971-003A ;0117PE1 , \$HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0013.RAW
Date & Time Acquired: 1/17/2022 2:24:42 PM
Method File: G:\Org\PE1\Methods\211208G971-3B%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

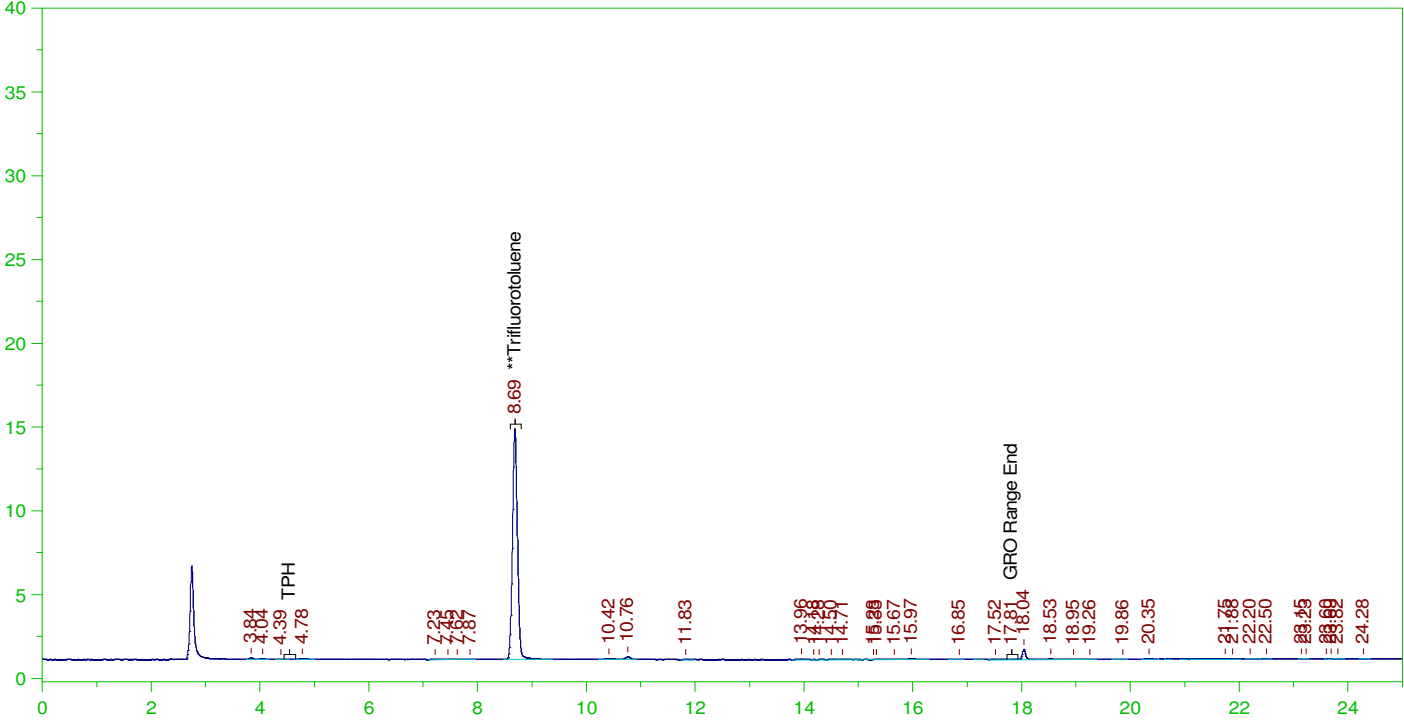
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.688	25.	18.844	75.38

GRO Area:5425.706 GRO Amount: 1.147123
TPH Area:7711.83 TPH Amount: 1.696042

ERH2407 (Trip Blank) 14653

G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0014.RAW

B22010972-003A ;0117PE1 , \$HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22010972-003A ;0117PE1 , \$HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0014.RAW
Date & Time Acquired: 1/17/2022 2:58:57 PM
Method File: G:\Org\PE1\Methods\211208G972-3B%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

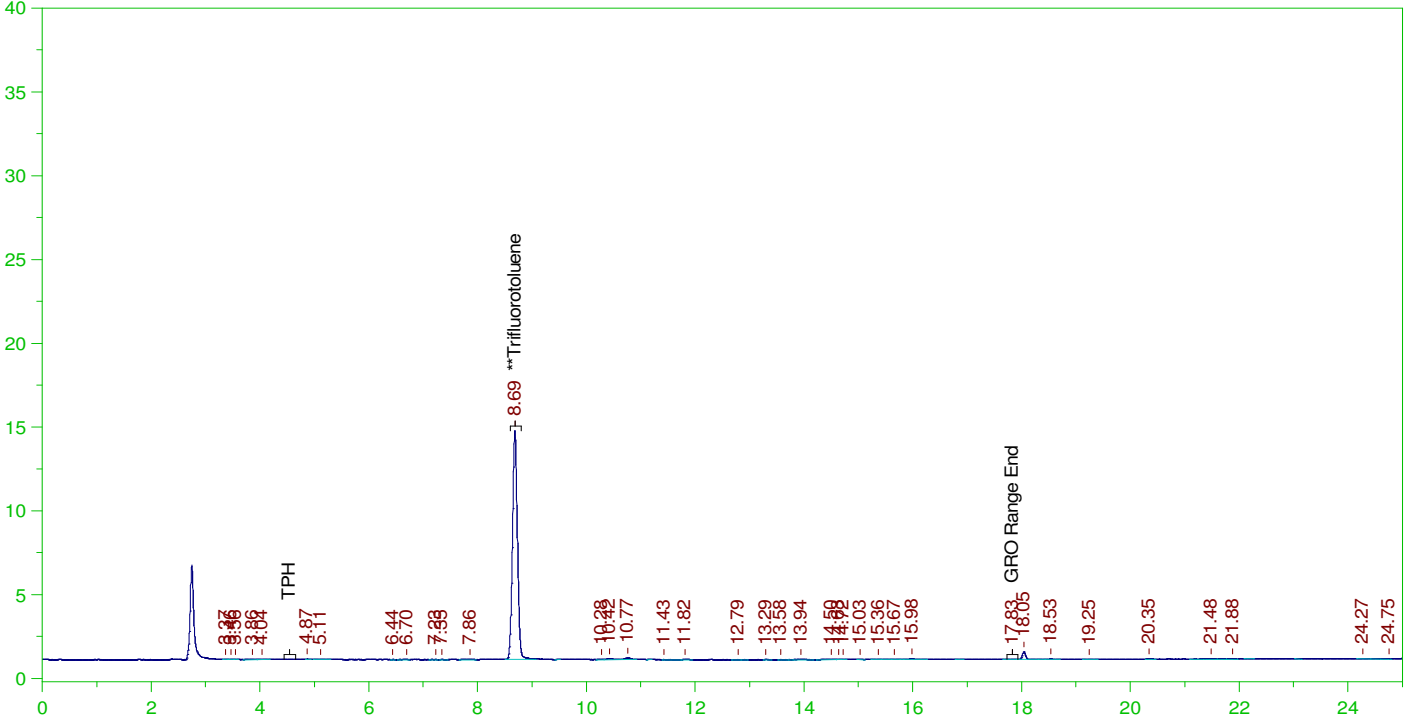
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.687	25.	18.658	74.63

GRO Area:5521.831 GRO Amount: 1.167446
TPH Area:11474.51 TPH Amount: 2.523557

ERH2305 (Trip Blank) 14525

G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0015.RAW

B22010973-003A ;0117PE1 , \$HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22010973-003A ;0117PE1 , \$HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0015.RAW
Date & Time Acquired: 1/17/2022 3:33:13 PM
Method File: G:\Org\PE1\Methods\211208G973-3B%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

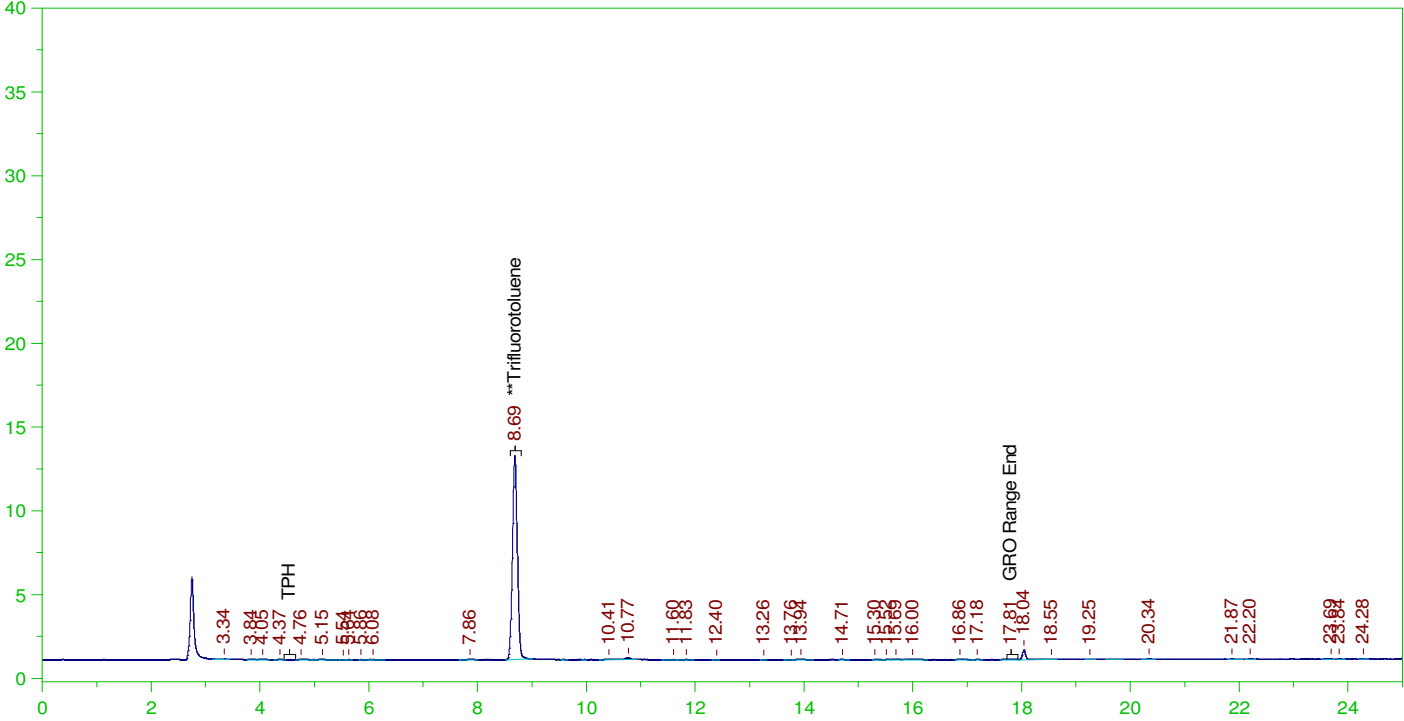
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.687	25.	18.36	73.44

GRO Area:4866.889 GRO Amount: 1.028976
TPH Area:9073.812 TPH Amount: 1.995579

ERH2419 (Trip Blank) 14653

G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0016.RAW

B22010974-003A ;0117PE1 , \$HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22010974-003A ;0117PE1 , \$HC-8015-GRO-W,
 Raw File: G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0016.RAW
 Date & Time Acquired: 1/17/2022 4:07:31 PM
 Method File: G:\Org\PE1\Methods\211208G974-3B%.MET
 Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
 Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
 Mean RF for TPH: 909.3915
 Rt range for Gasoline Range Organics: 4.45 to 17.93

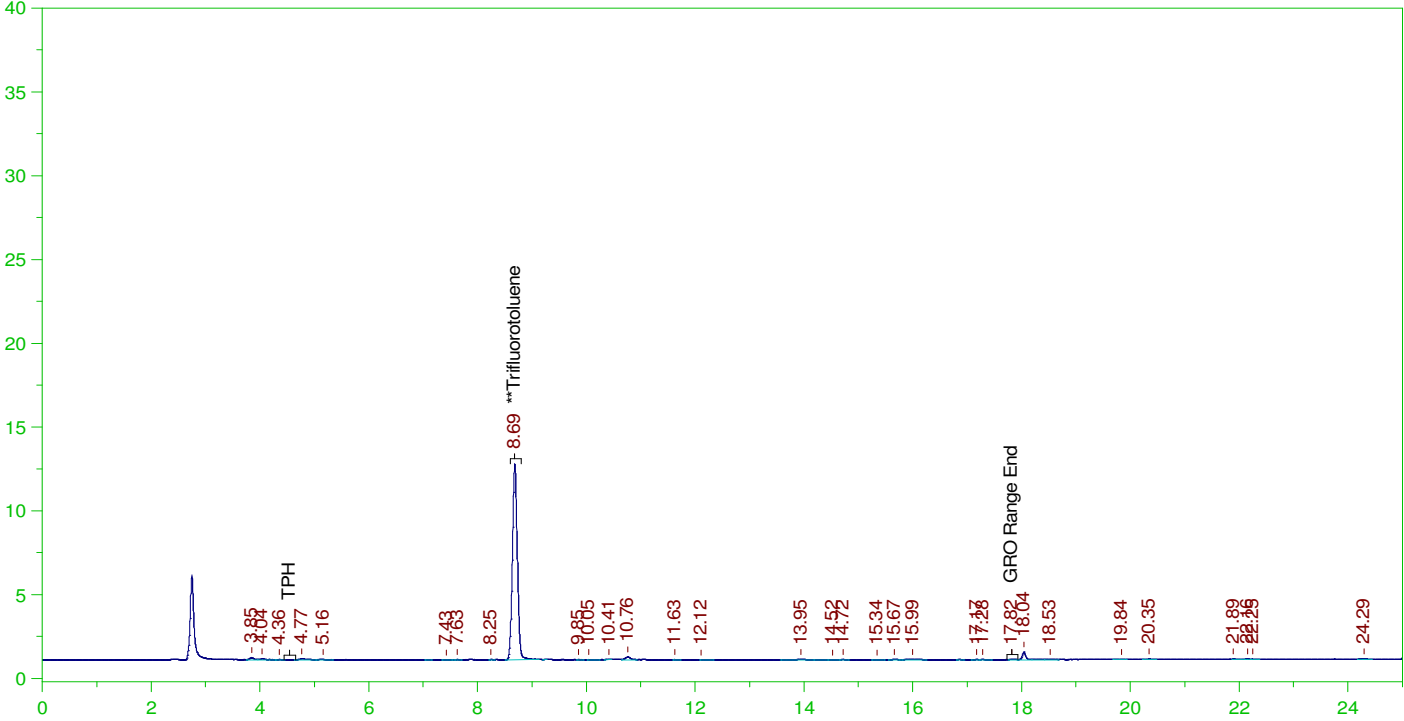
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.687	25.	16.289	65.16

GRO Area:4893.948 GRO Amount: 1.034697
 TPH Area:9034.74 TPH Amount: 1.986986

ERH2415 (Trip Blank) 14653

G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0017.RAW

B22010975-003A ;0117PE1 , \$HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22010975-003A ;0117PE1 , \$HC-8015-GRO-W,
 Raw File: G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0017.RAW
 Date & Time Acquired: 1/17/2022 4:41:53 PM
 Method File: G:\Org\PE1\Methods\211208G975-3B%.MET
 Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
 Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
 Mean RF for TPH: 909.3915
 Rt range for Gasoline Range Organics: 4.45 to 17.93

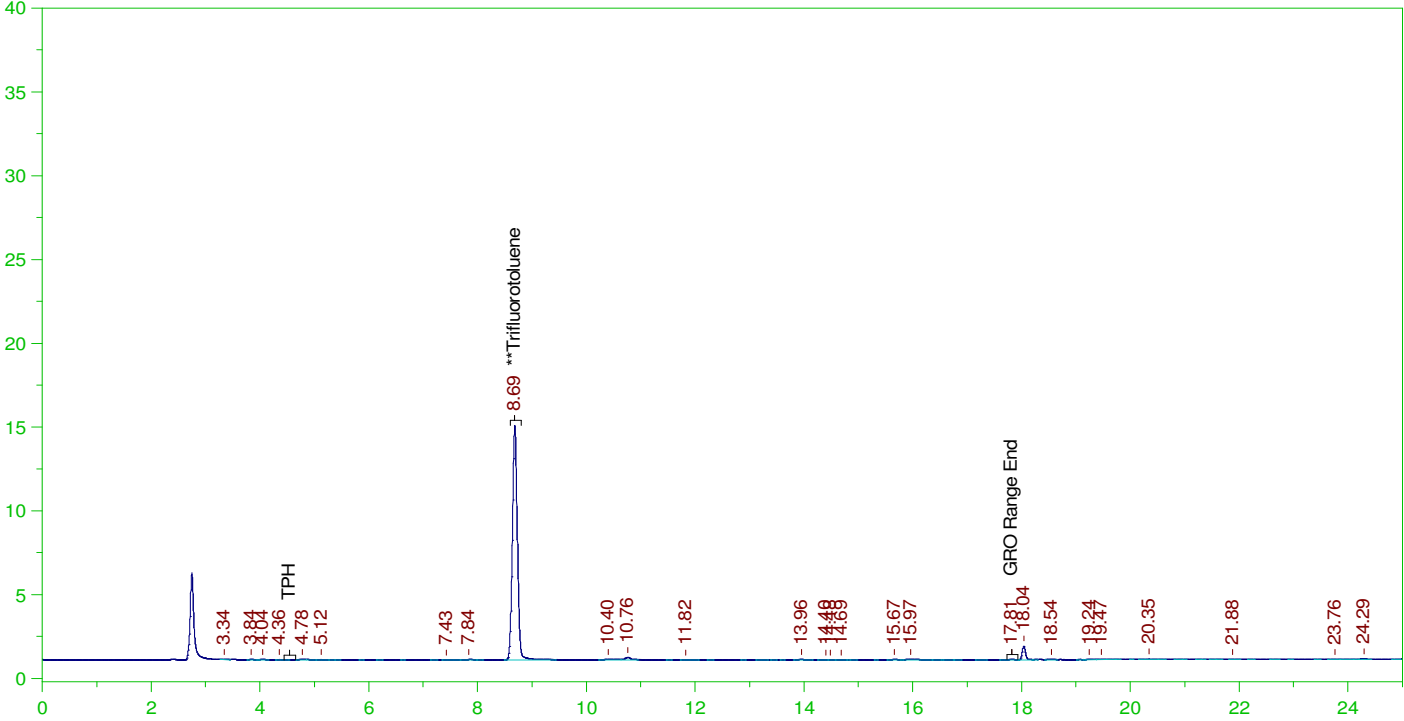
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.686	25.	15.754	63.01

GRO Area:4319.401 GRO Amount: 0.9132237
 TPH Area:8313.351 TPH Amount: 1.828333

ERH2411 (Trip Blank) 14694

G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0018.RAW

B22010976-003A ;0117PE1 , \$HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22010976-003A ;0117PE1 , \$HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0018.RAW
Date & Time Acquired: 1/17/2022 5:16:16 PM
Method File: G:\Org\PE1\Methods\211208GROB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

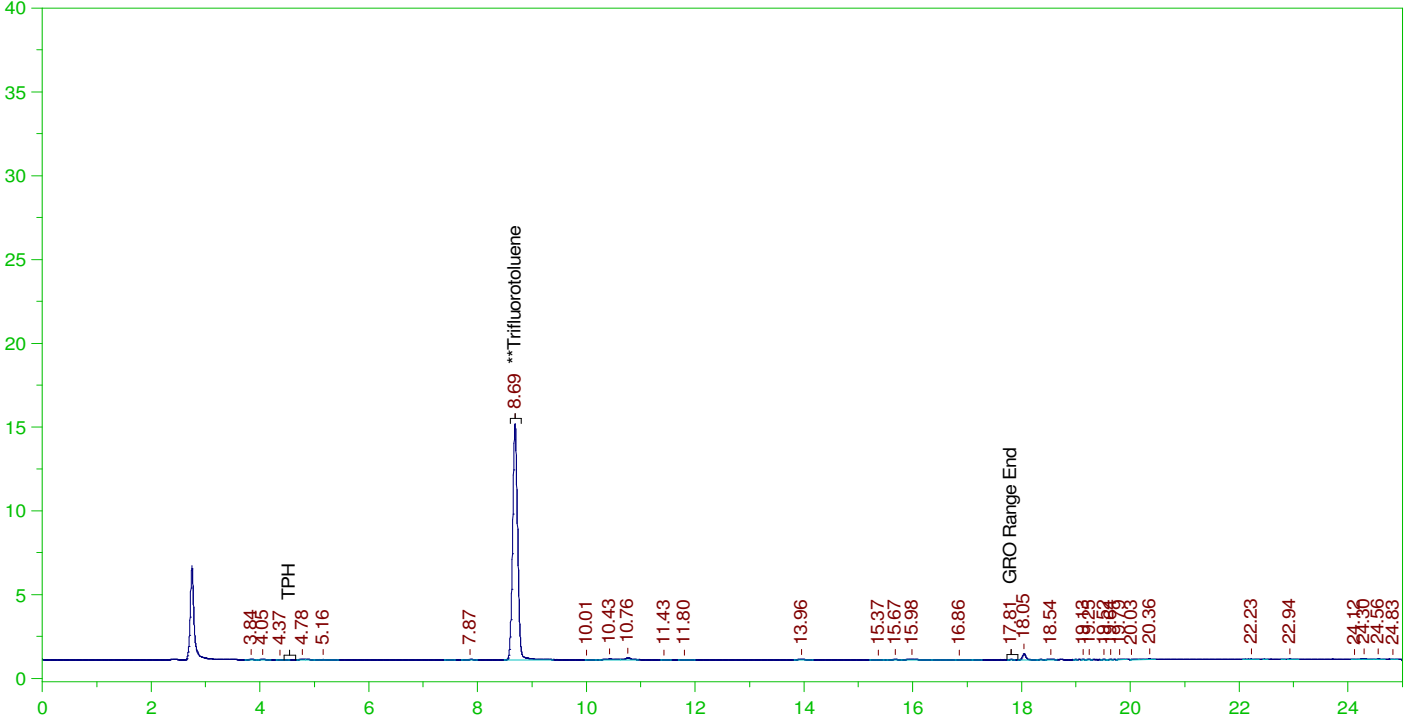
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.686	25.	19.012	76.05

GRO Area:3770.839 GRO Amount: 0.7972447
TPH Area:8777.713 TPH Amount: 1.930459

ERH2399 (Trip Blank) 14653

G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0019.RAW

B22010977-003A ;0117PE1 , \$HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22010977-003A ;0117PE1 , \$HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0019.RAW
Date & Time Acquired: 1/17/2022 5:50:39 PM
Method File: G:\Org\PE1\Methods\211208G977-3B%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

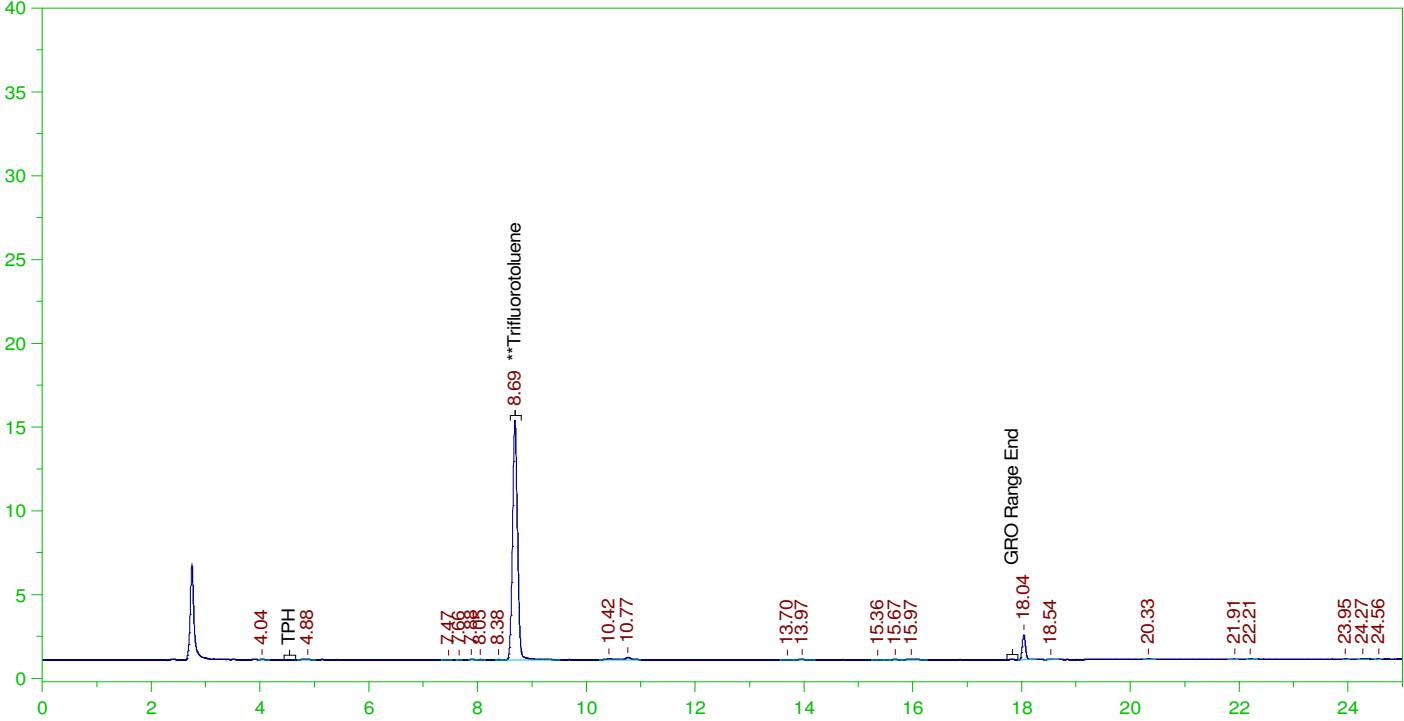
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.69	25.	19.165	76.66

GRO Area:3824.903 GRO Amount: 0.8086752
TPH Area:7453.075 TPH Amount: 1.639135

ERH2397 (Trip Blank) 14653

G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0020.RAW

B22010978-003A ;0117PE1 , \$HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22010978-003A ;0117PE1 , \$HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0020.RAW
Date & Time Acquired: 1/17/2022 6:25:07 PM
Method File: G:\Org\PE1\Methods\211208G978-3B%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

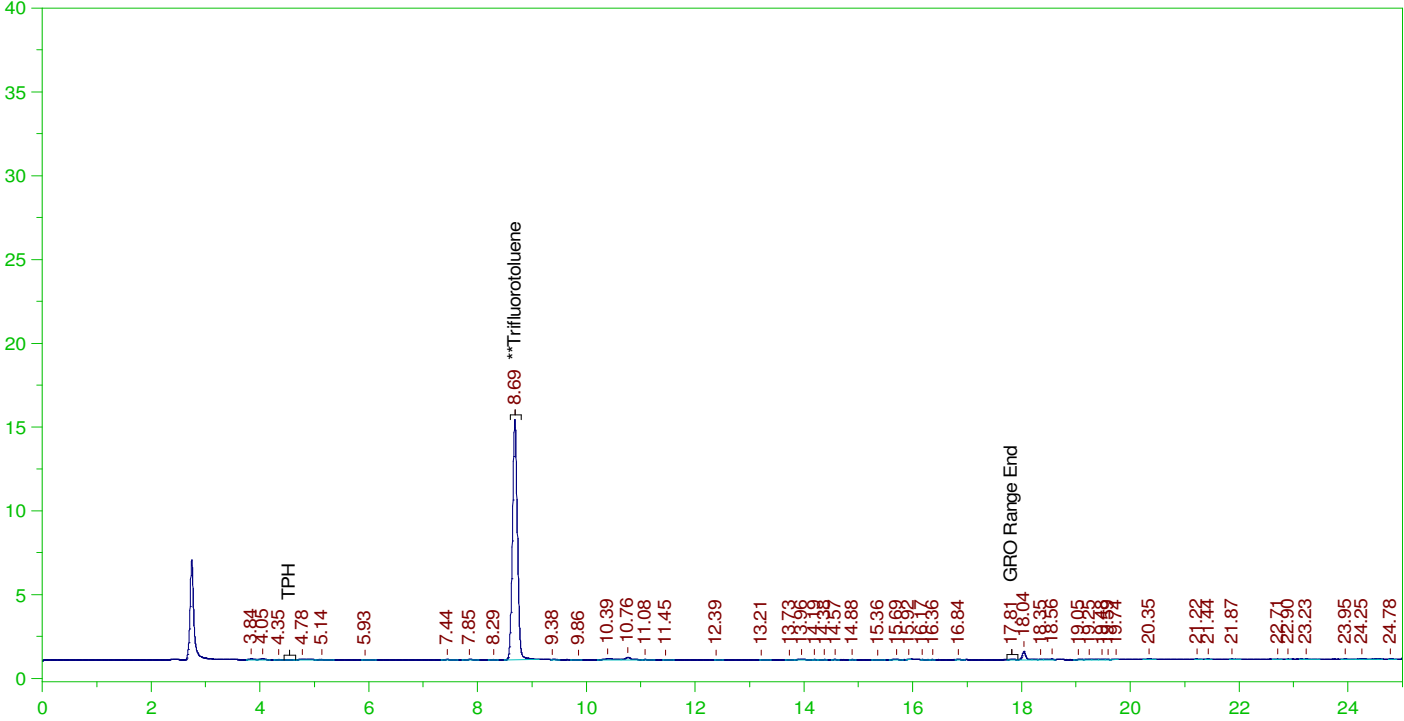
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.688	25.	19.499	78.

GRO Area:3882.059 GRO Amount: 0.8207592
TPH Area:11101.79 TPH Amount: 2.441586

ERH2401 (Trip Blank) 14653

G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0021.RAW

B22010979-003A ;0117PE1 , \$HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22010979-003A ;0117PE1 , \$HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0021.RAW
Date & Time Acquired: 1/17/2022 6:59:22 PM
Method File: G:\Org\PE1\Methods\211208G979-3B%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

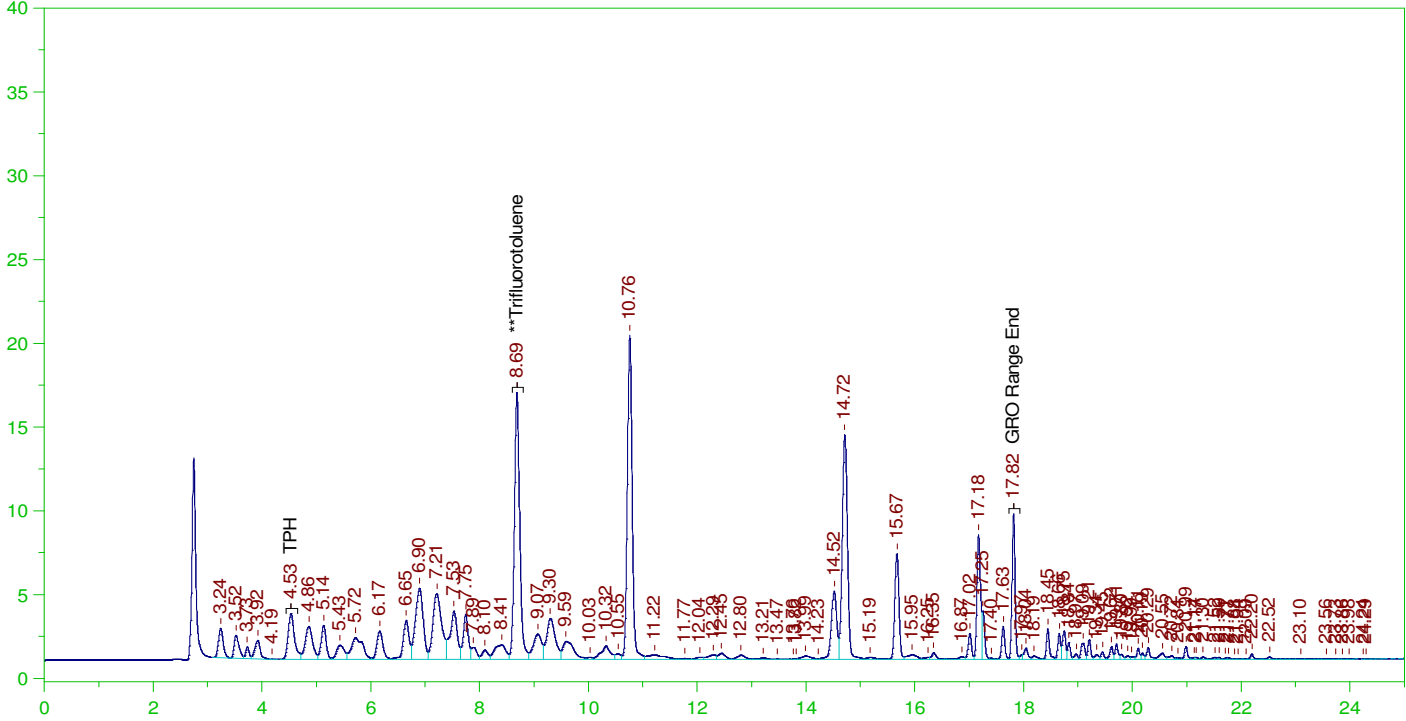
Mean RF for GRO: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.687	25.	19.284	77.14

GRO Area:5875.792 GRO Amount: 1.242282
TPH Area:10823.57 TPH Amount: 2.380399

G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0022.RAW

B22010971-001GMS, GQC ;0117PE1 , \$HC-8015-GRO-W,



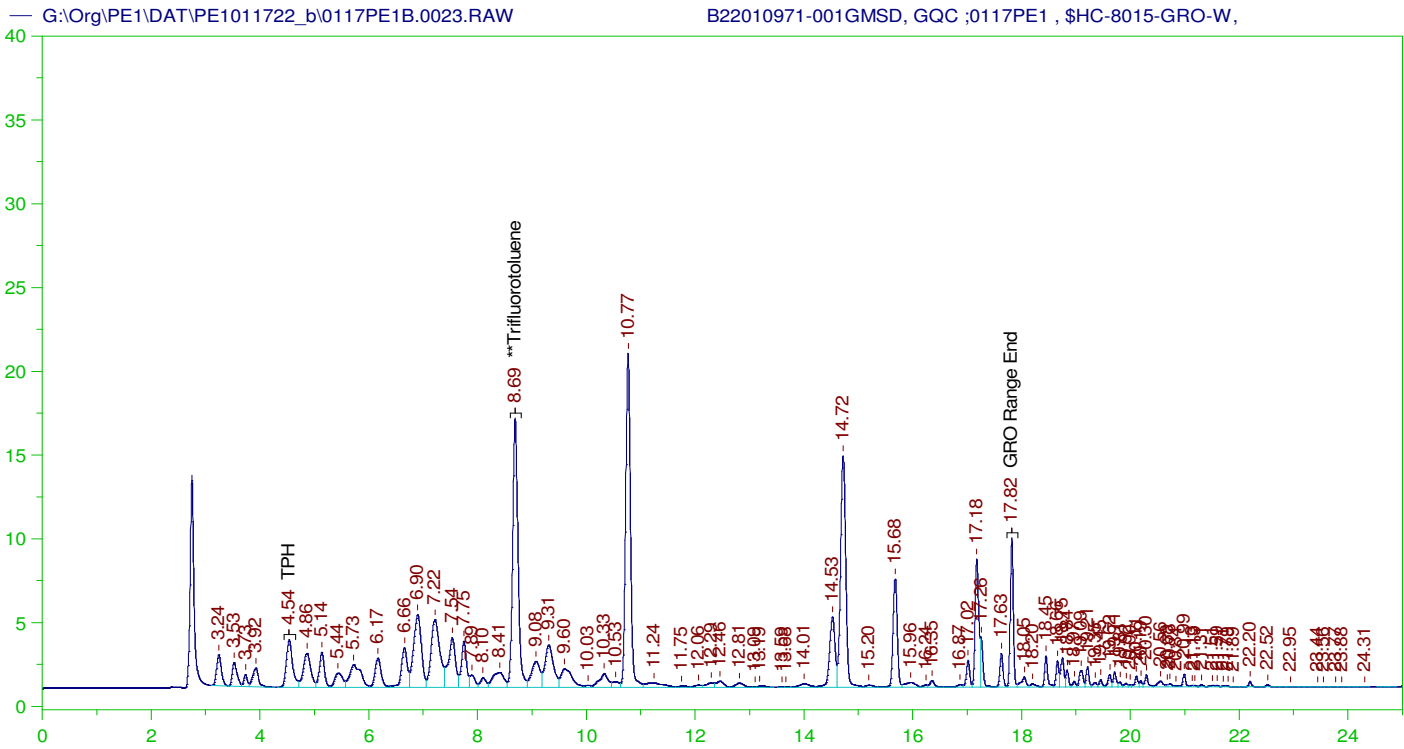
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22010971-001GMS, GQC ;0117PE1 , \$HC-8015-GRO-W,
 Raw File: G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0022.RAW
 Date & Time Acquired: 1/17/2022 7:33:38 PM
 Method File: G:\Org\PE1\Methods\211208G971-1MSB%.MET
 Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
 Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
 Mean RF for TPH: 909.3915
 Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.688	25.	23.155	92.62

GRO Area:739740.8 GRO Amount: 156.3987
 TPH Area:844136.4 TPH Amount: 185.6486



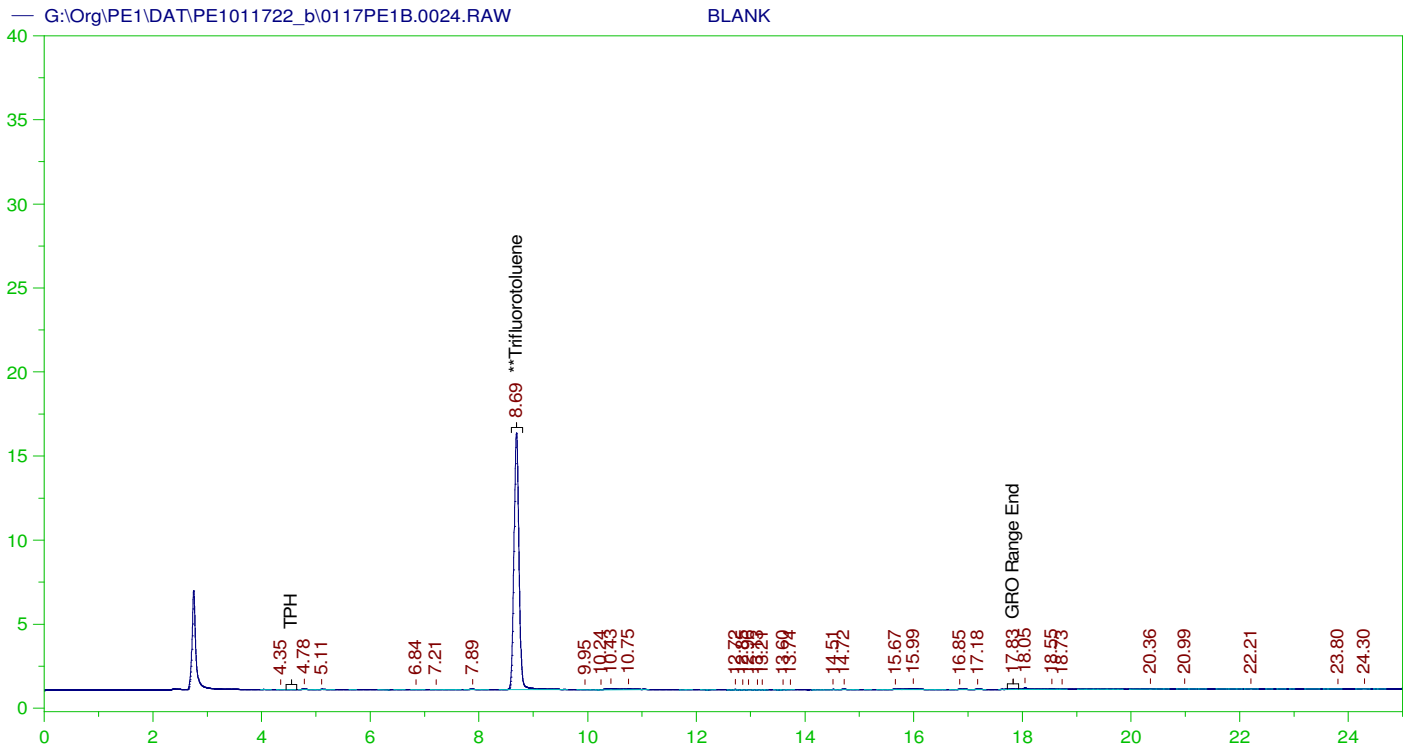
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22010971-001GMSD, GQC ;0117PE1 , \$HC-8015-GRO-W,
 Raw File: G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0023.RAW
 Date & Time Acquired: 1/17/2022 8:07:52 PM
 Method File: G:\Org\PE1\Methods\211208G971-1MSDB%.MET
 Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
 Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
 Mean RF for TPH: 909.3915
 Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.692	25.	23.422	93.69

GRO Area: 759898.6 GRO Amount: 160.6606
 TPH Area: 866169.4 TPH Amount: 190.4943



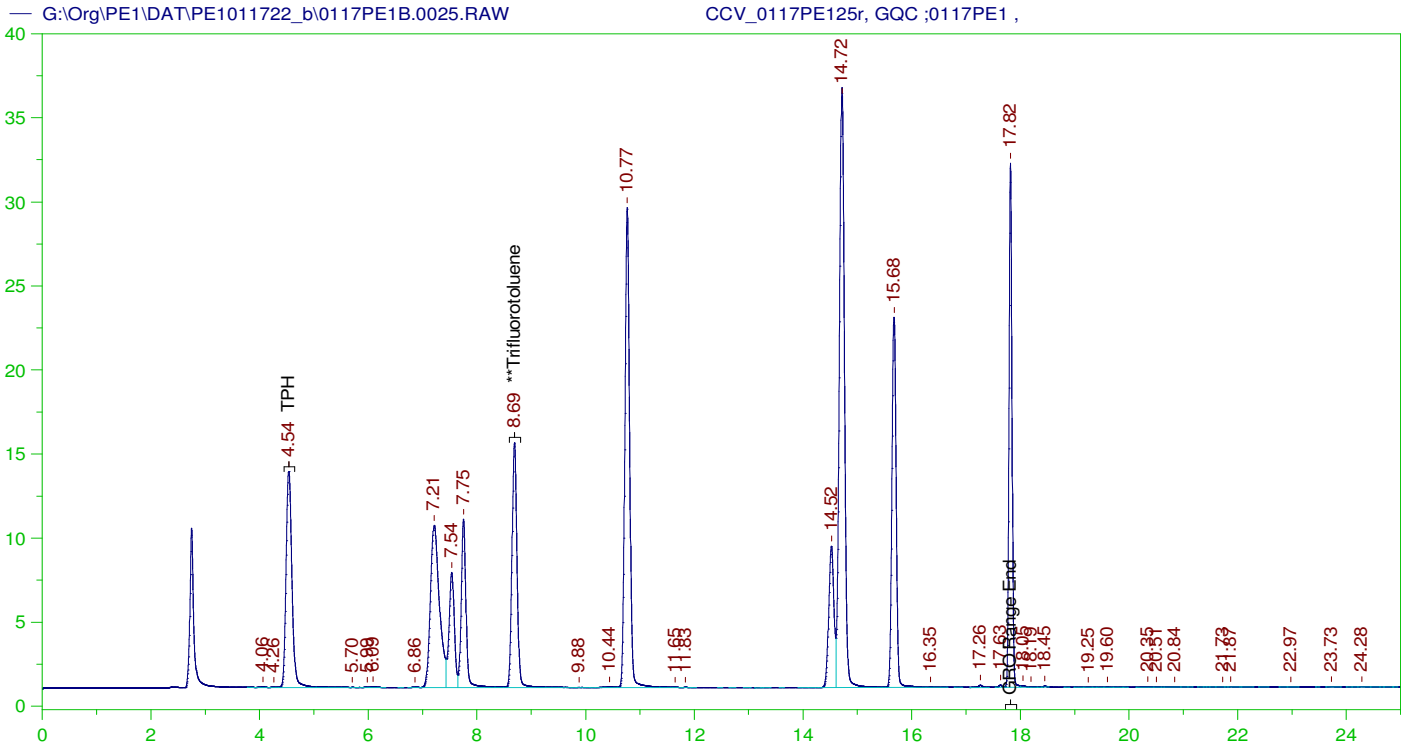
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0024.RAW
 Date & Time Acquired: 1/17/2022 8:42:05 PM
 Method File: G:\Org\PE1\Methods\211208GROB.MET
 Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
 Mean RF for TPH: 909.3915
 Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.69	125.	103.493	82.79	-

GRO Area:4844.645 GRO Amount: 5.121364
 TPH Area:6693.412 TPH Amount: 7.36032



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_0117PE125r, GQC ;0117PE1 ,
Raw File: G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0025.RAW
Date & Time Acquired: 1/17/2022 9:16:21 PM
Method File: G:\Org\PE1\Methods\211208GROB.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

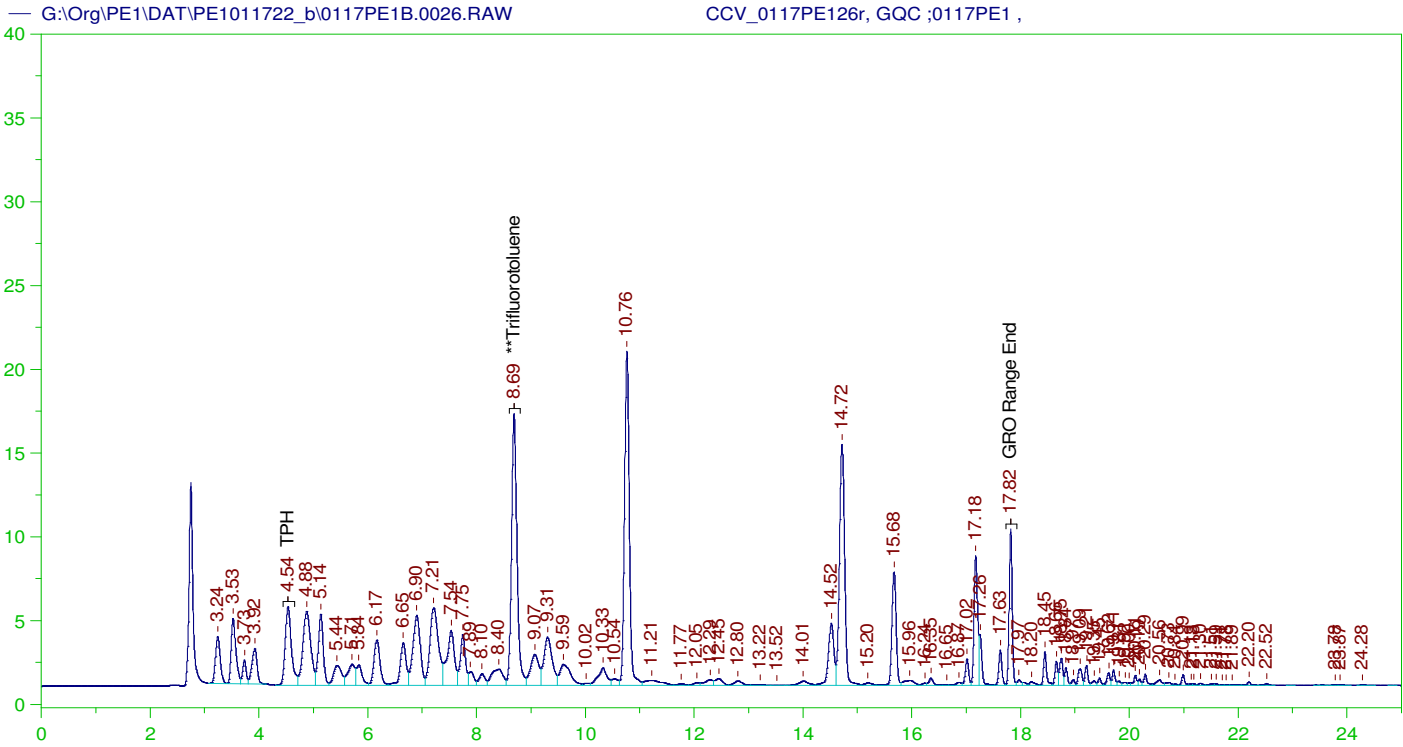
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.69	125.	99.926	79.94

GRO Area:1029763 GRO Amount: 1088.582
TPH Area:1032317 TPH Amount: 1135.174

CONTINUING CALIBRATION REPORT: G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0025.RAW

COMPOUND	ACTUAL (NG)	MEASURED (NG)	%RECOVERY	LIMITS
GRO	840.	1088.58	129.59	85-115
TPH	1000.	1135.17	113.52	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	8.69	125.	99.926	79.94	85-115



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_0117PE126r, GQC ;0117PE1 ,
 Raw File: G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0026.RAW
 Date & Time Acquired: 1/17/2022 9:50:37 PM
 Method File: G:\Org\PE1\Methods\211208GCCV0117_26B%.MET
 Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
 Mean RF for TPH: 909.3915
 Rt range for Gasoline Range Organics: 4.45 to 17.93

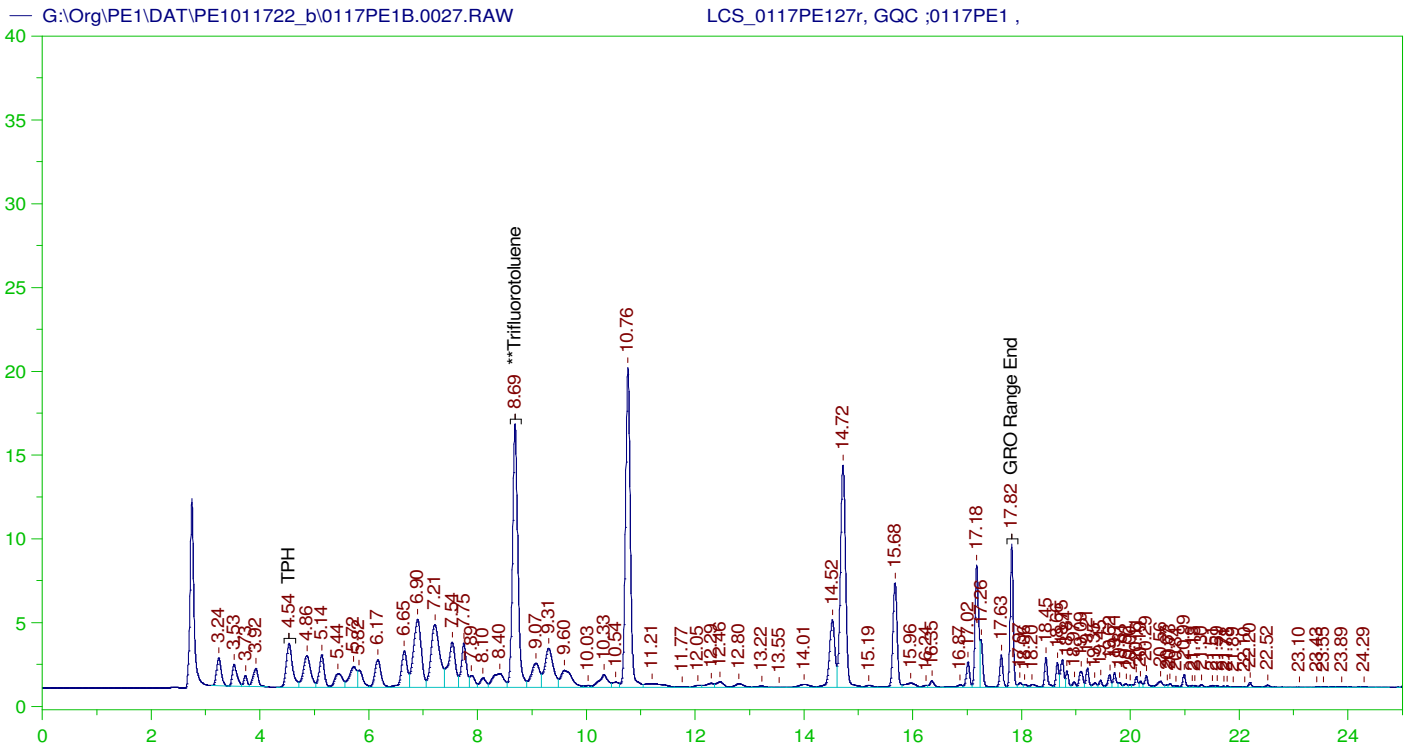
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.69	125.	119.939	95.95	-

GRO Area:854619.8 GRO Amount: 903.4343
 TPH Area:984446.2 TPH Amount: 1082.533

CONTINUING CALIBRATION REPORT: G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0026.RAW

COMPOUND	ACTUAL (NG)	MEASURED (NG)	%RECOVERY	LIMITS
GRO	840.	903.43	107.55	85-115
TPH	1000.	1082.53	108.25	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	8.69	125.	119.939	95.95	85-115



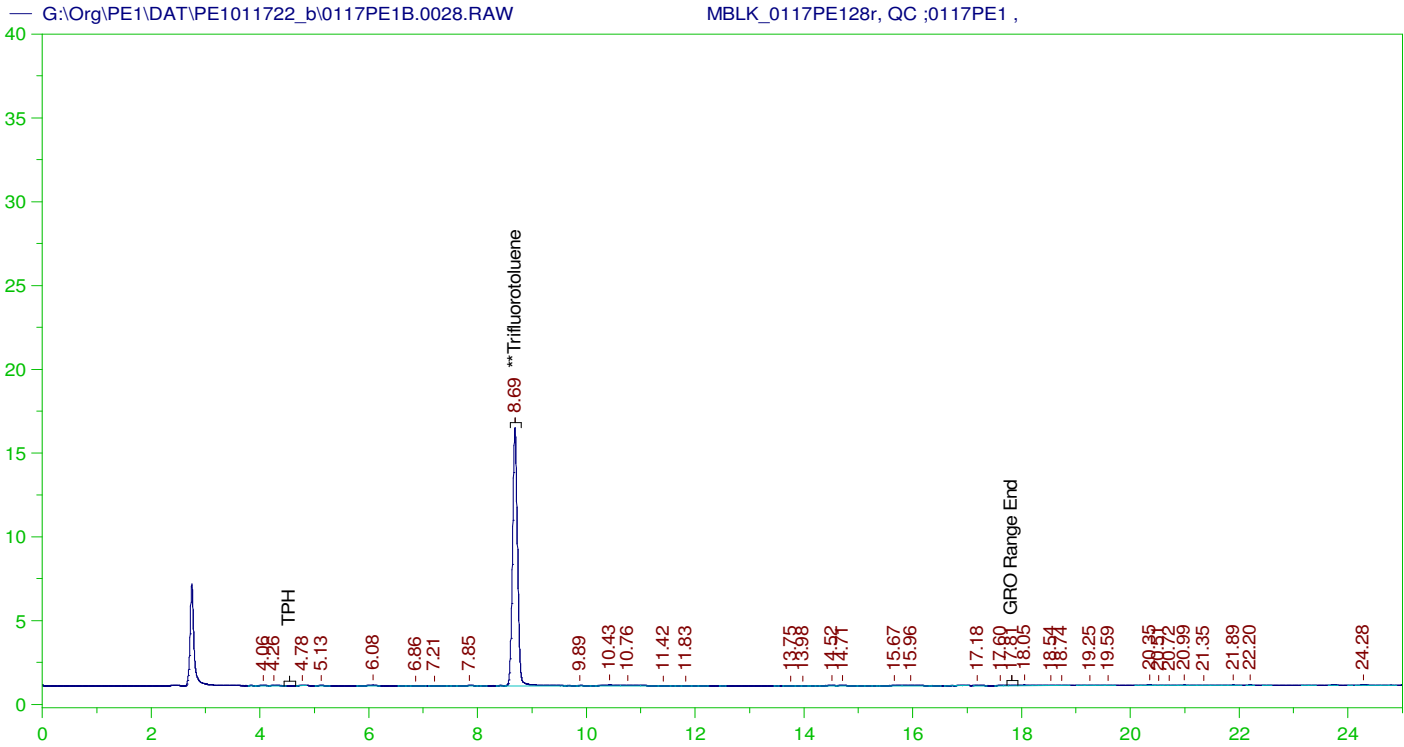
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: LCS_0117PE127r, GQC ;0117PE1 ,
 Raw File: G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0027.RAW
 Date & Time Acquired: 1/17/2022 10:24:55 PM
 Method File: G:\Org\PE1\Methods\211208GLCS0117_27B%.MET
 Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
 Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
 Mean RF for TPH: 909.3915
 Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.69	25.	22.818	91.27

GRO Area: 717473.4 GRO Amount: 151.6909
 TPH Area: 816131.3 TPH Amount: 179.4895



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: MBLK_0117PE128r, QC ;0117PE1 ,
 Raw File: G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0028.RAW
 Date & Time Acquired: 1/17/2022 10:59:18 PM
 Method File: G:\Org\PE1\Methods\211208GROB%.MET
 Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
 Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
 Mean RF for TPH: 909.3915
 Rt range for Gasoline Range Organics: 4.45 to 17.93

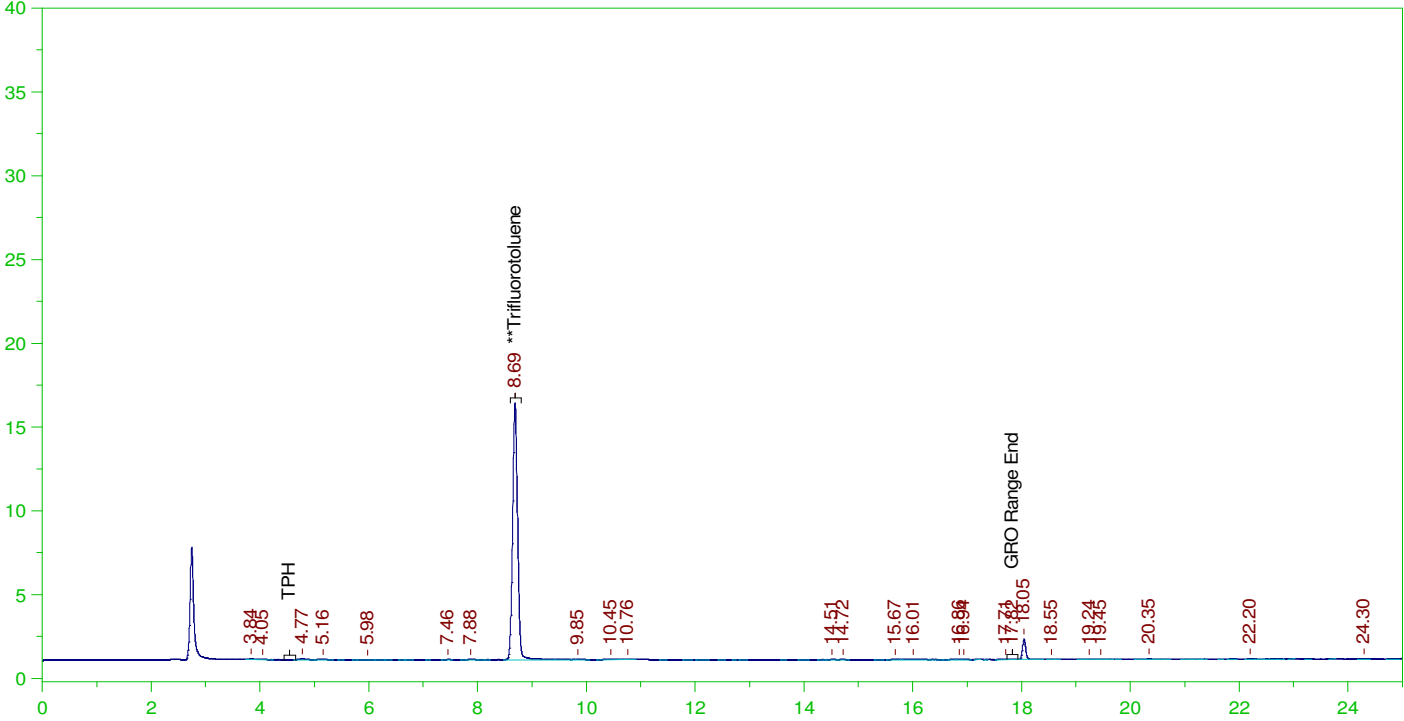
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.688	25.	20.985	83.94

GRO Area:4944.269 GRO Amount: 1.045336
 TPH Area:7118.626 TPH Amount: 1.56558

ERH2408 (RHMW16)

G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0029.RAW

B22010972-001G ;0117PE1 , \$HC-8015-GRO-W,



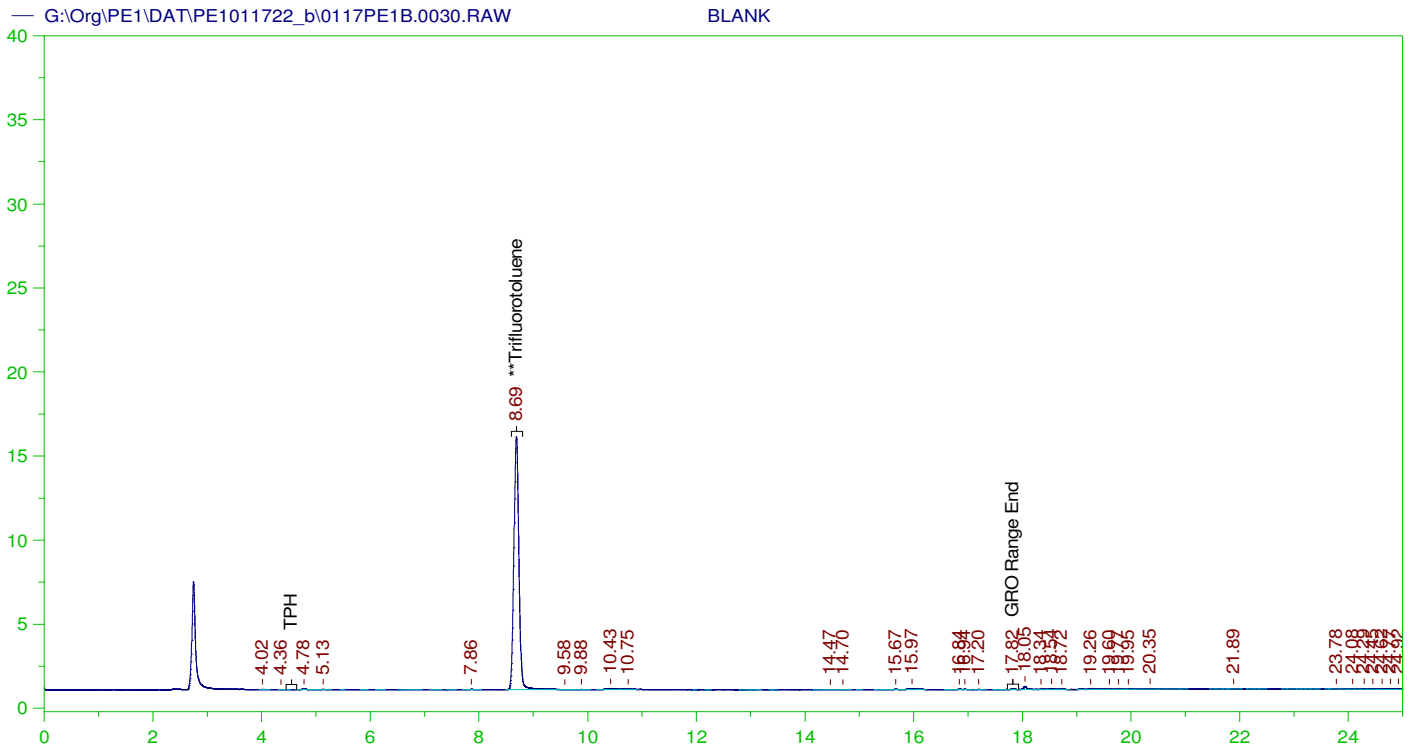
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22010972-001G ;0117PE1 , \$HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0029.RAW
Date & Time Acquired: 1/17/2022 11:33:40 PM
Method File: G:\Org\PE1\Methods\211208GROB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.69	25.	20.896	83.58

GRO Area:3454.716 GRO Amount: 0.7304088
TPH Area:10077.84 TPH Amount: 2.216392



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0030.RAW
 Date & Time Acquired: 1/18/2022 12:08:00 AM
 Method File: G:\Org\PE1\Methods\211208GROB.MET
 Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
 Mean RF for TPH: 909.3915
 Rt range for Gasoline Range Organics: 4.45 to 17.93

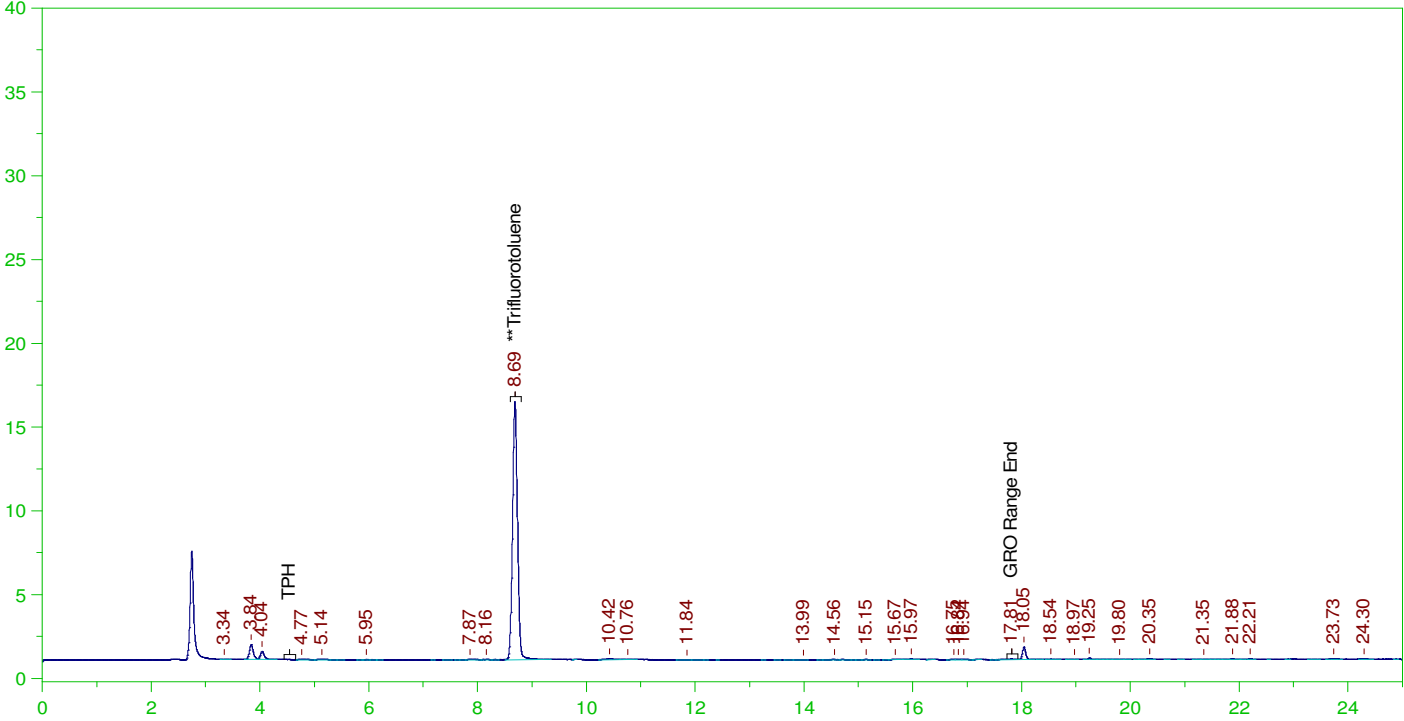
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.689	125.	102.599	82.08

GRO Area:3228.45 GRO Amount: 3.412855
 TPH Area:7035.977 TPH Amount: 7.737017

ERH2406 (RHMW13 zone 5)

G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0031.RAW

B22010973-001G ;0117PE1 , \$HC-8015-GRO-W,



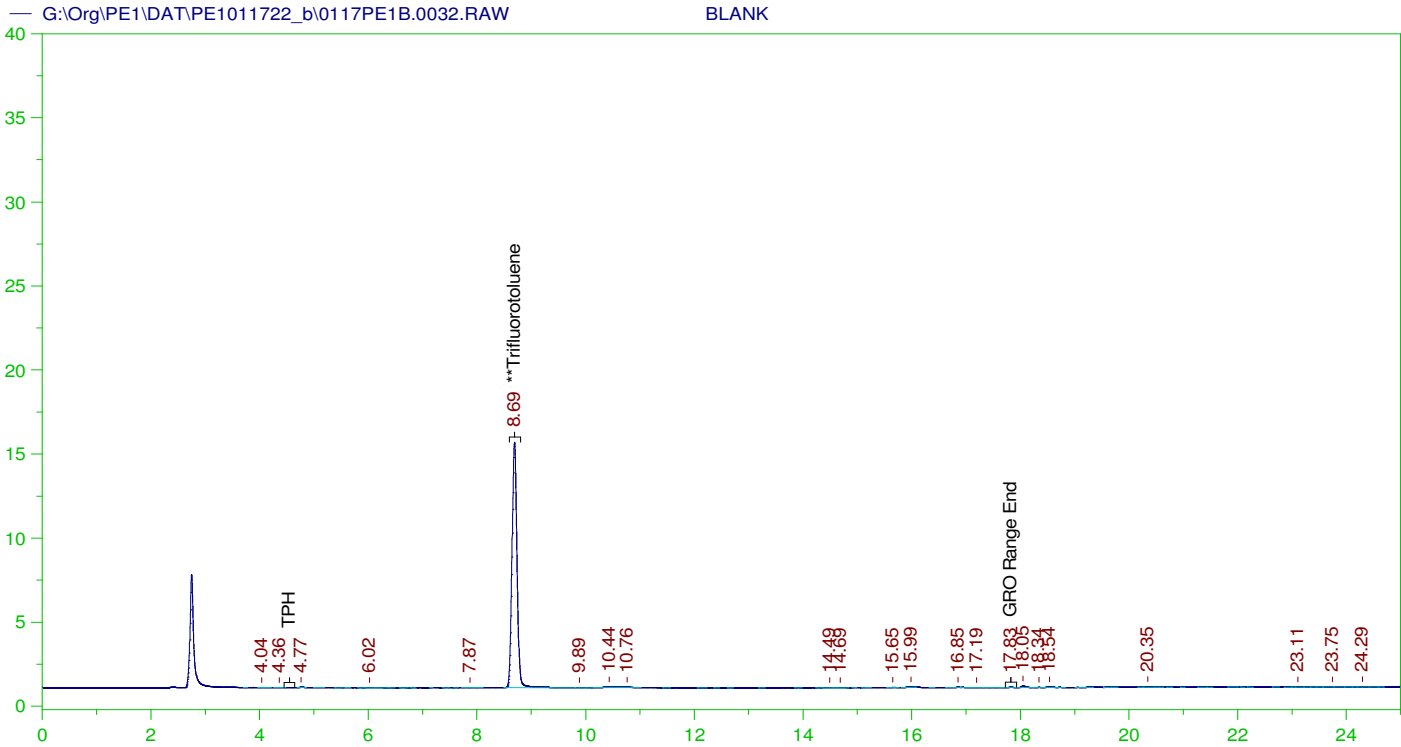
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22010973-001G ;0117PE1 , \$HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0031.RAW
Date & Time Acquired: 1/18/2022 12:42:17 AM
Method File: G:\Org\PE1\Methods\211208GROB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.689	25.	20.879	83.52

GRO Area:3319.765 GRO Amount: 0.7018769
TPH Area:15706.61 TPH Amount: 3.454312



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0032.RAW
 Date & Time Acquired: 1/18/2022 1:16:32 AM
 Method File: G:\Org\PE1\Methods\211208GROB.MET
 Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
 Mean RF for TPH: 909.3915
 Rt range for Gasoline Range Organics: 4.45 to 17.93

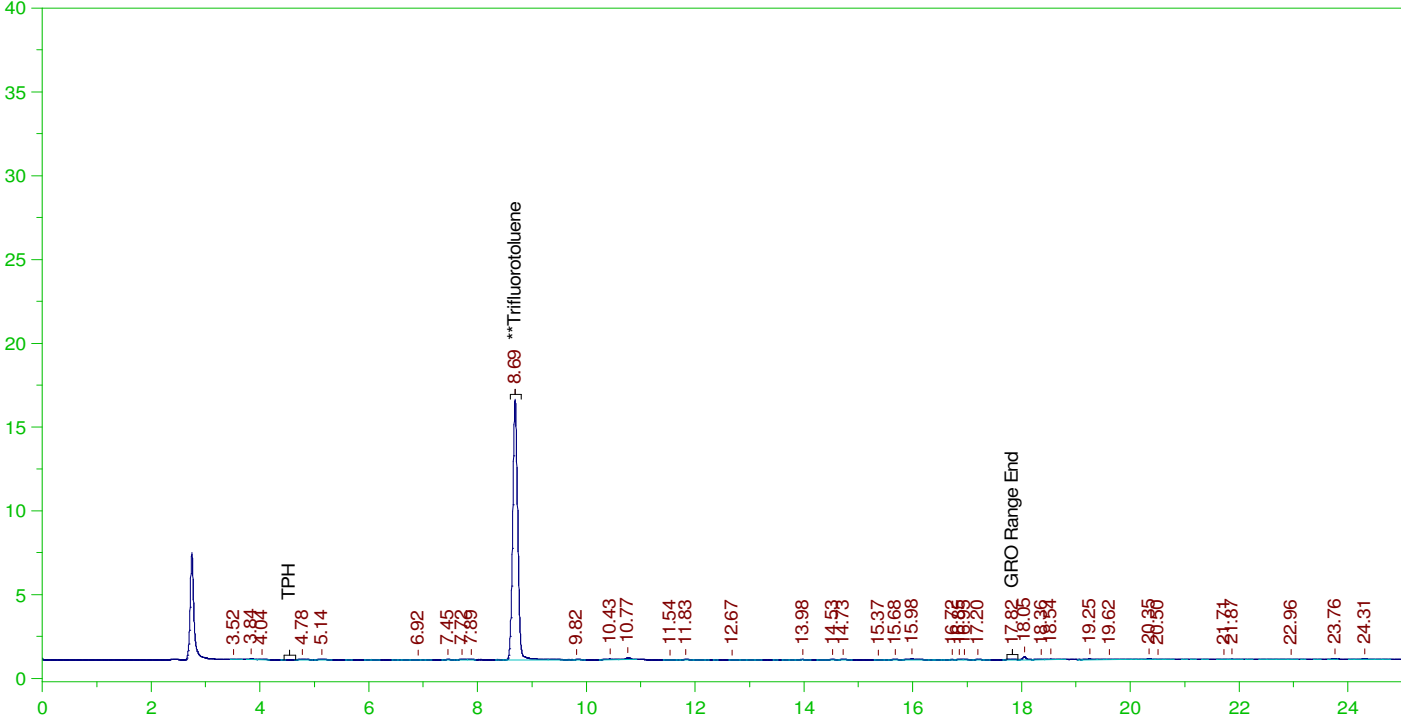
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.691	125.	99.377	79.5

GRO Area: 2641.534 GRO Amount: 2.792415
 TPH Area: 4576.952 TPH Amount: 5.032983

ERH2420 (RHMW19)

G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0033.RAW

B22010974-001G ;0117PE1 , \$HC-8015-GRO-W,



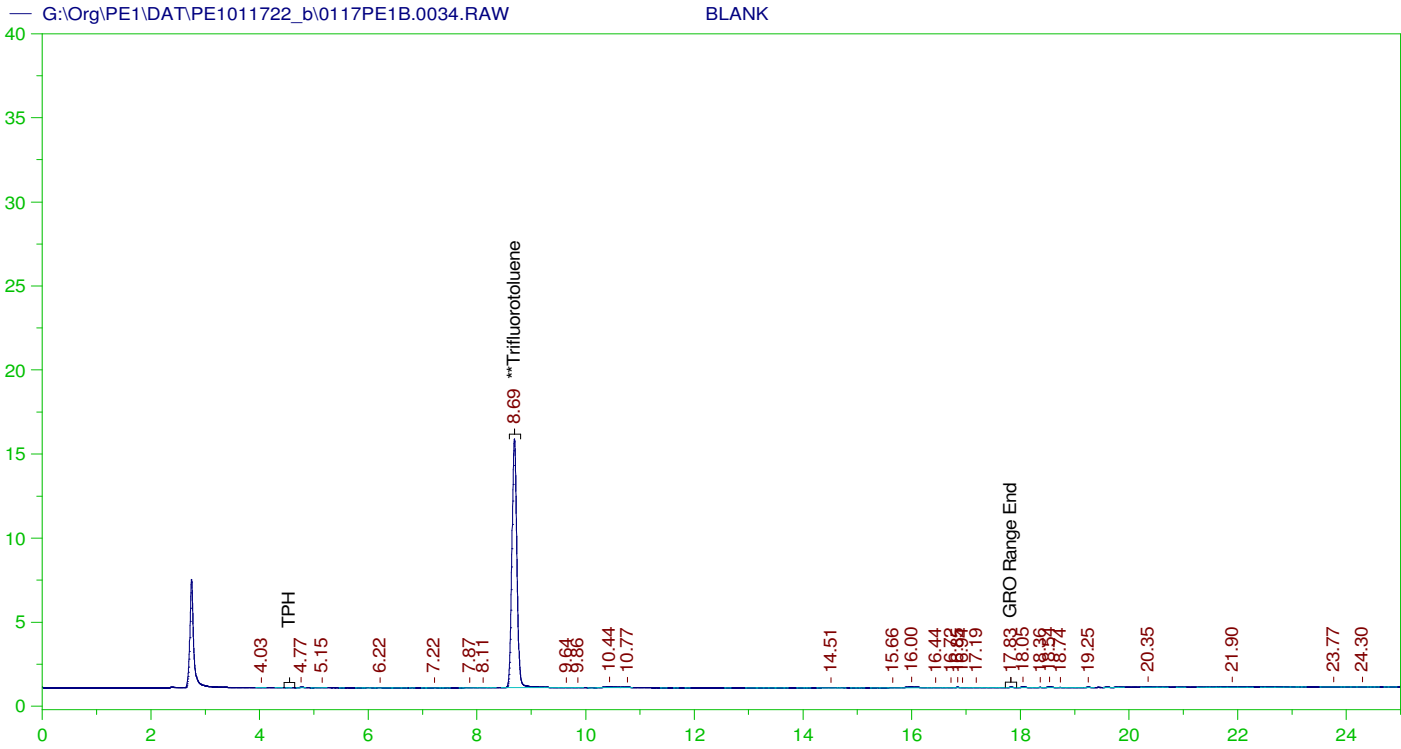
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22010974-001G ;0117PE1 , \$HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0033.RAW
Date & Time Acquired: 1/18/2022 1:50:48 AM
Method File: G:\Org\PE1\Methods\211208GROB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.692	25.	21.149	84.6

GRO Area:5354.739 GRO Amount: 1.132119
TPH Area:8541.102 TPH Amount: 1.878421



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0034.RAW
 Date & Time Acquired: 1/18/2022 2:25:03 AM
 Method File: G:\Org\PE1\Methods\211208GROB.MET
 Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
 Mean RF for TPH: 909.3915
 Rt range for Gasoline Range Organics: 4.45 to 17.93

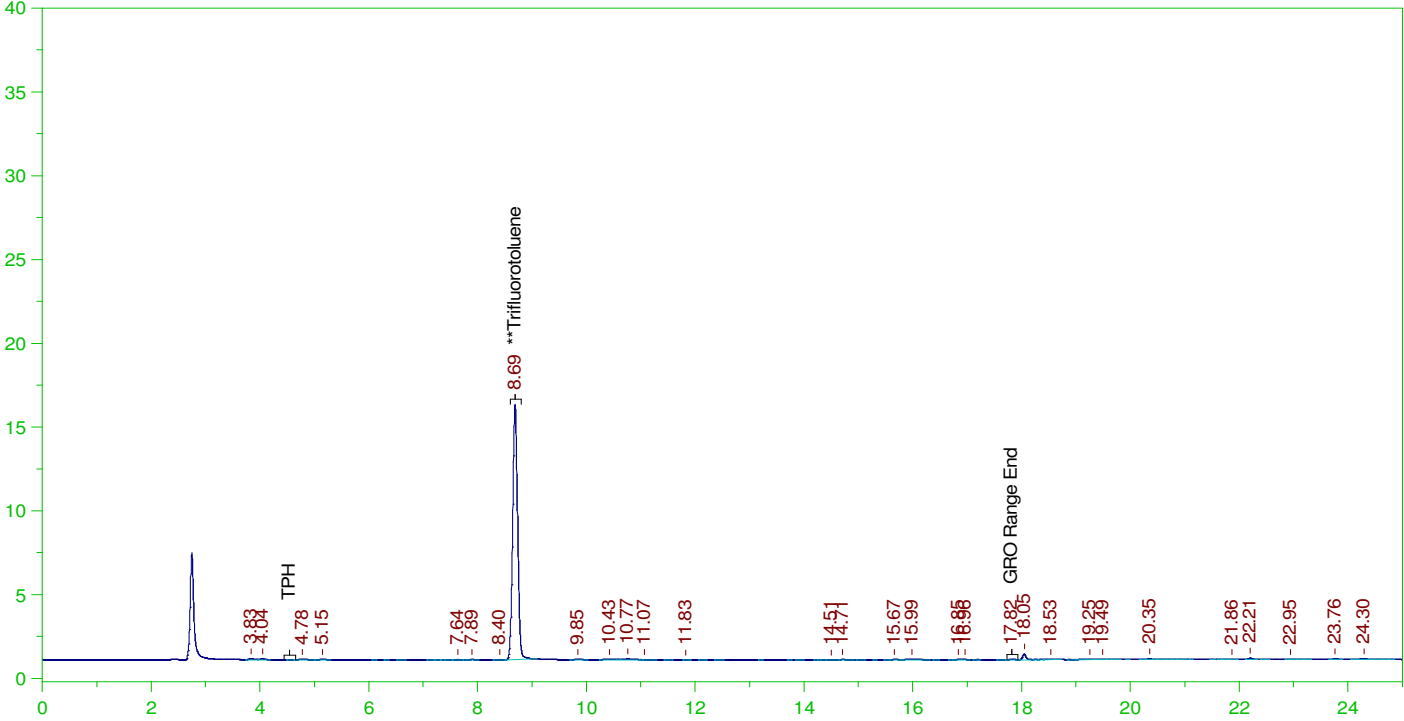
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.689	125.	100.597	80.48

GRO Area:3786.614 GRO Amount: 4.002899
 TPH Area:5722.581 TPH Amount: 6.292758

ERH2416 (RHMW09)

G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0035.RAW

B22010975-001G ;0117PE1 , \$HC-8015-GRO-W,



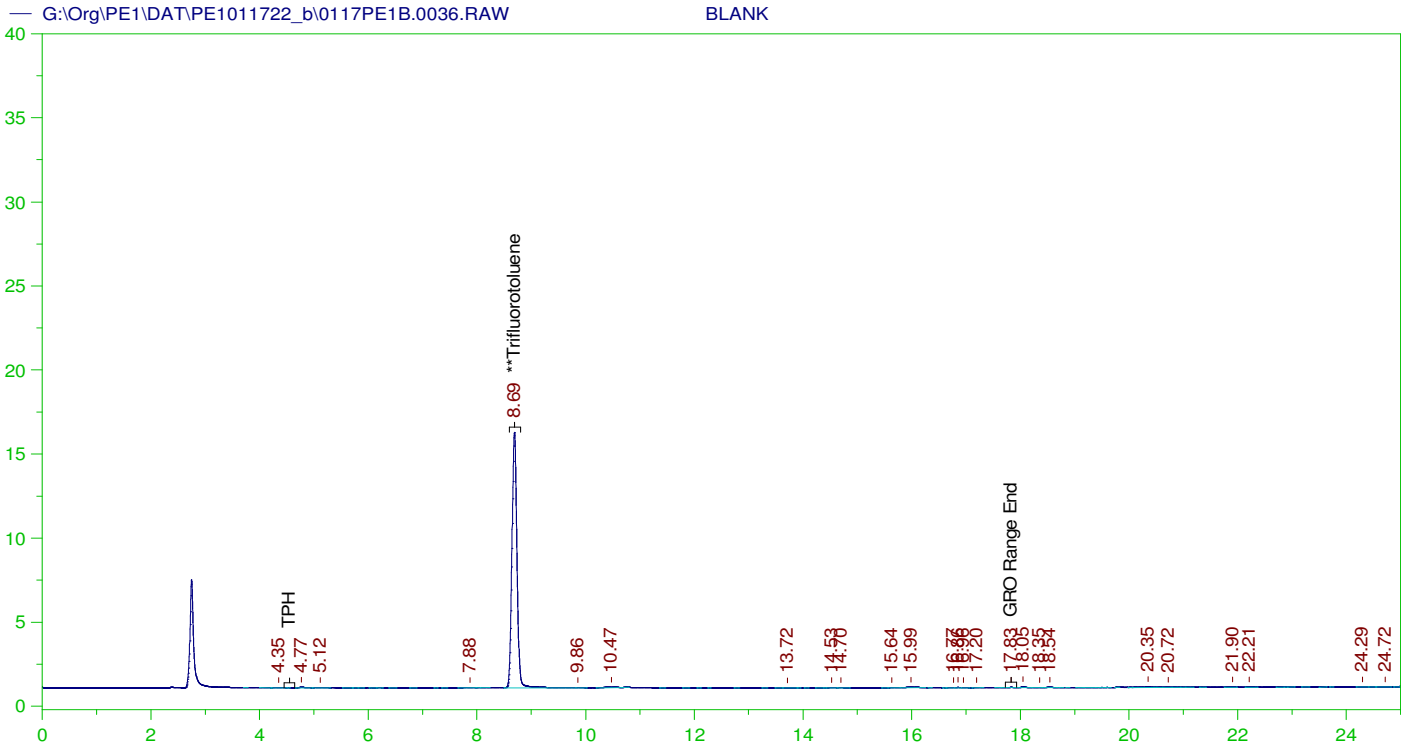
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22010975-001G ;0117PE1 , \$HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0035.RAW
Date & Time Acquired: 1/18/2022 2:59:20 AM
Method File: G:\Org\PE1\Methods\211208GROB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.691	25.	20.532	82.13

GRO Area:4297.379 GRO Amount: 0.9085678
TPH Area:8088.65 TPH Amount: 1.778915



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0036.RAW
 Date & Time Acquired: 1/18/2022 3:33:34 AM
 Method File: G:\Org\PE1\Methods\211208GROB.MET
 Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
 Mean RF for TPH: 909.3915
 Rt range for Gasoline Range Organics: 4.45 to 17.93

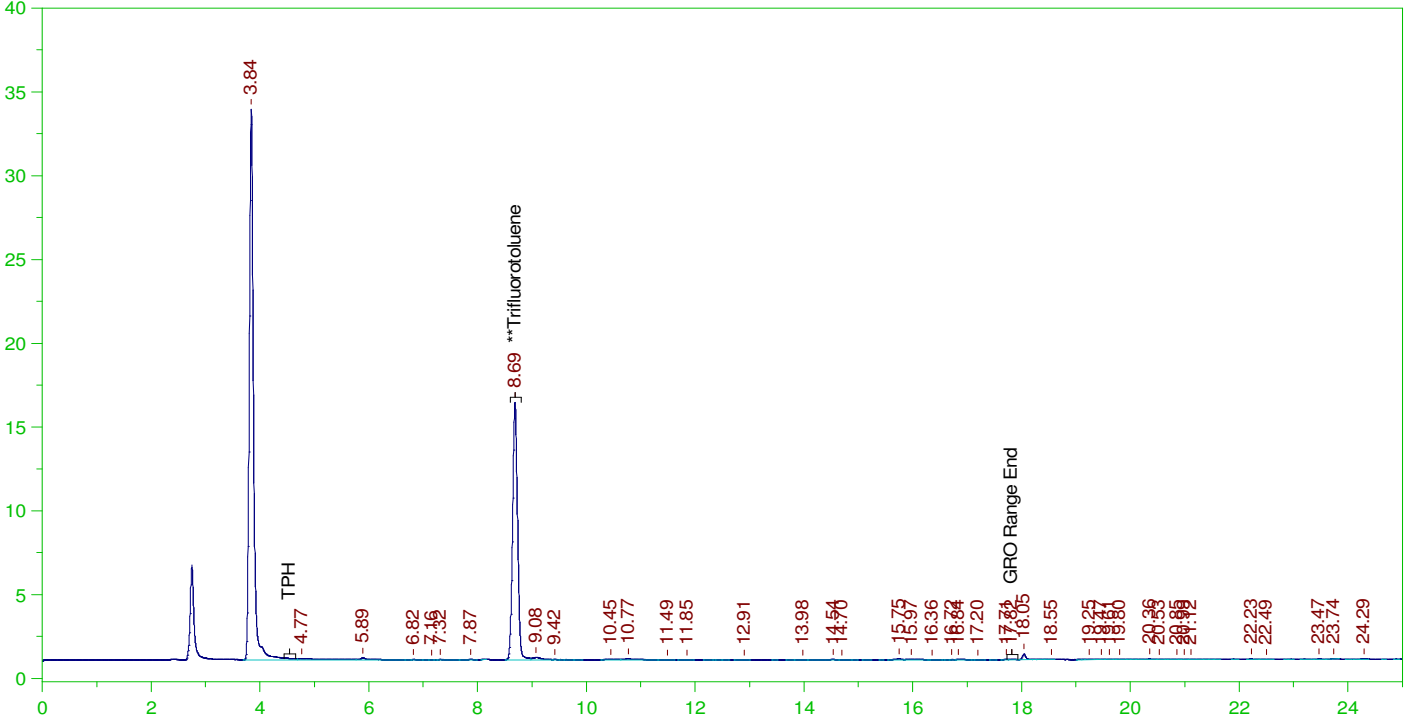
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.69	125.	103.289	82.63

GRO Area: 2871.399 GRO Amount: 3.035409
 TPH Area: 4682.871 TPH Amount: 5.149455

ERH2412 (RHMW11 zone 5)

G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0037.RAW

B22010976-001G ;0117PE1 , \$HC-8015-GRO-W,



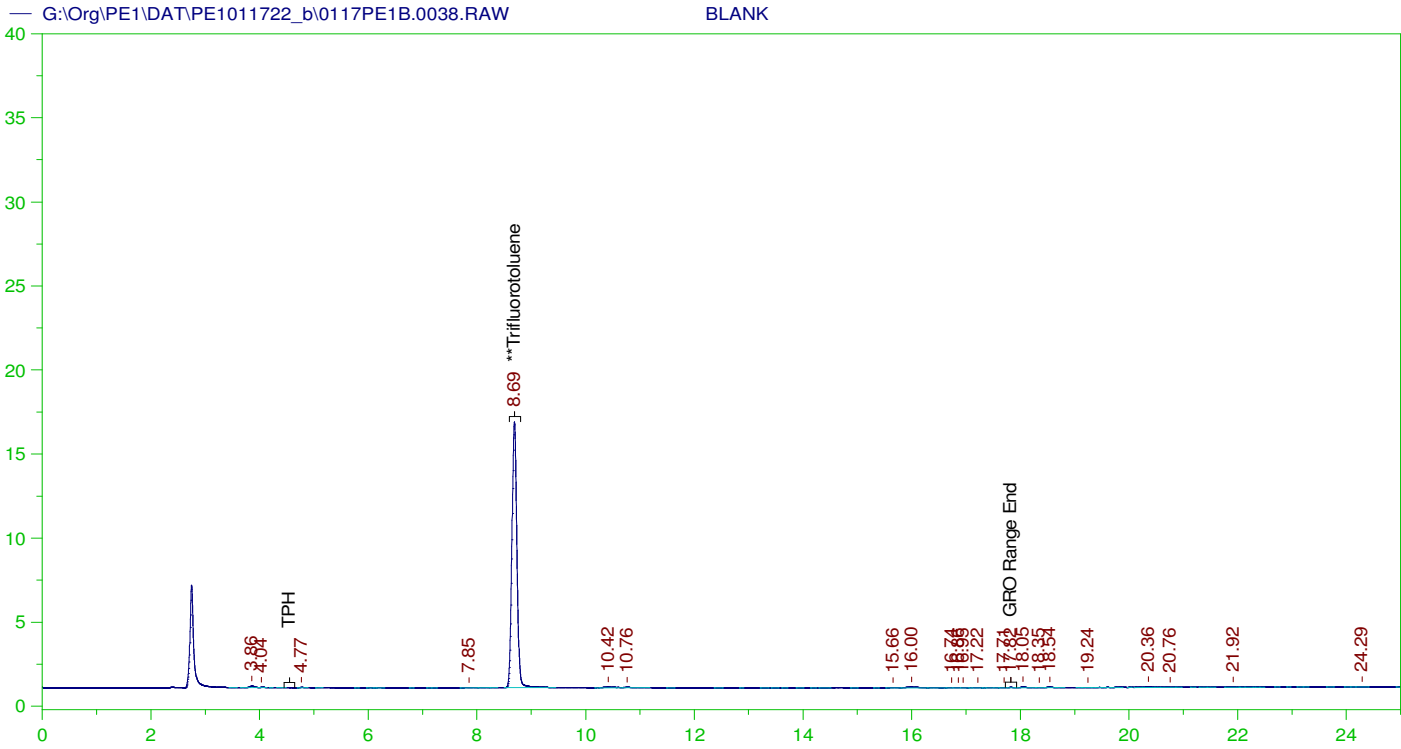
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22010976-001G ;0117PE1 , \$HC-8015-GRO-W,
 Raw File: G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0037.RAW
 Date & Time Acquired: 1/18/2022 4:07:52 AM
 Method File: G:\Org\PE1\Methods\211208G976-1B%.MET
 Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
 Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
 Mean RF for TPH: 909.3915
 Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.689	25.	20.765	83.06

GRO Area:10361.1 GRO Amount: 2.190583
 TPH Area:194403 TPH Amount: 42.75452



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0038.RAW
 Date & Time Acquired: 1/18/2022 4:42:10 AM
 Method File: G:\Org\PE1\Methods\211208GROB.MET
 Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
 Mean RF for TPH: 909.3915
 Rt range for Gasoline Range Organics: 4.45 to 17.93

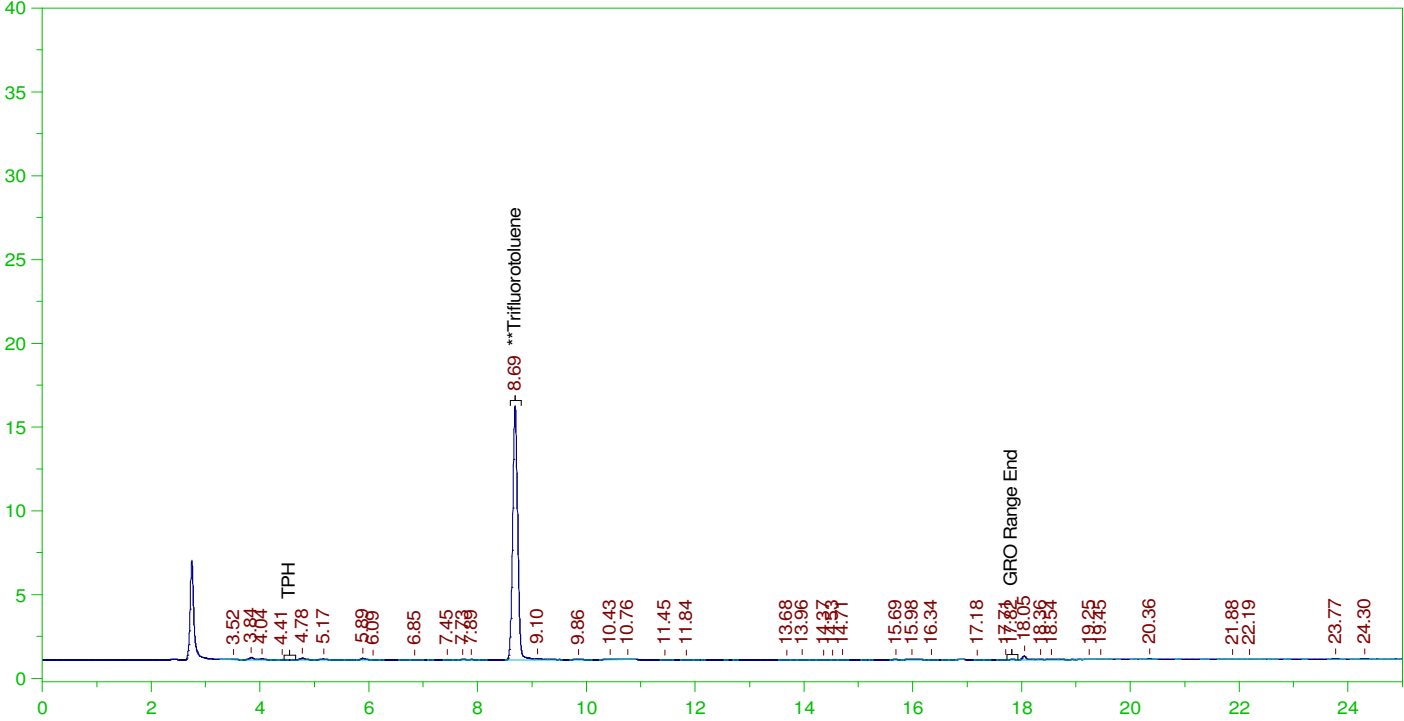
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.689	125.	107.358	85.89

GRO Area:2960.995 GRO Amount: 3.130122
 TPH Area:5440.763 TPH Amount: 5.982861

ERH2400 (OWDFMW05A)

G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0039.RAW

B22010977-001G ;0117PE1 , \$HC-8015-GRO-W,



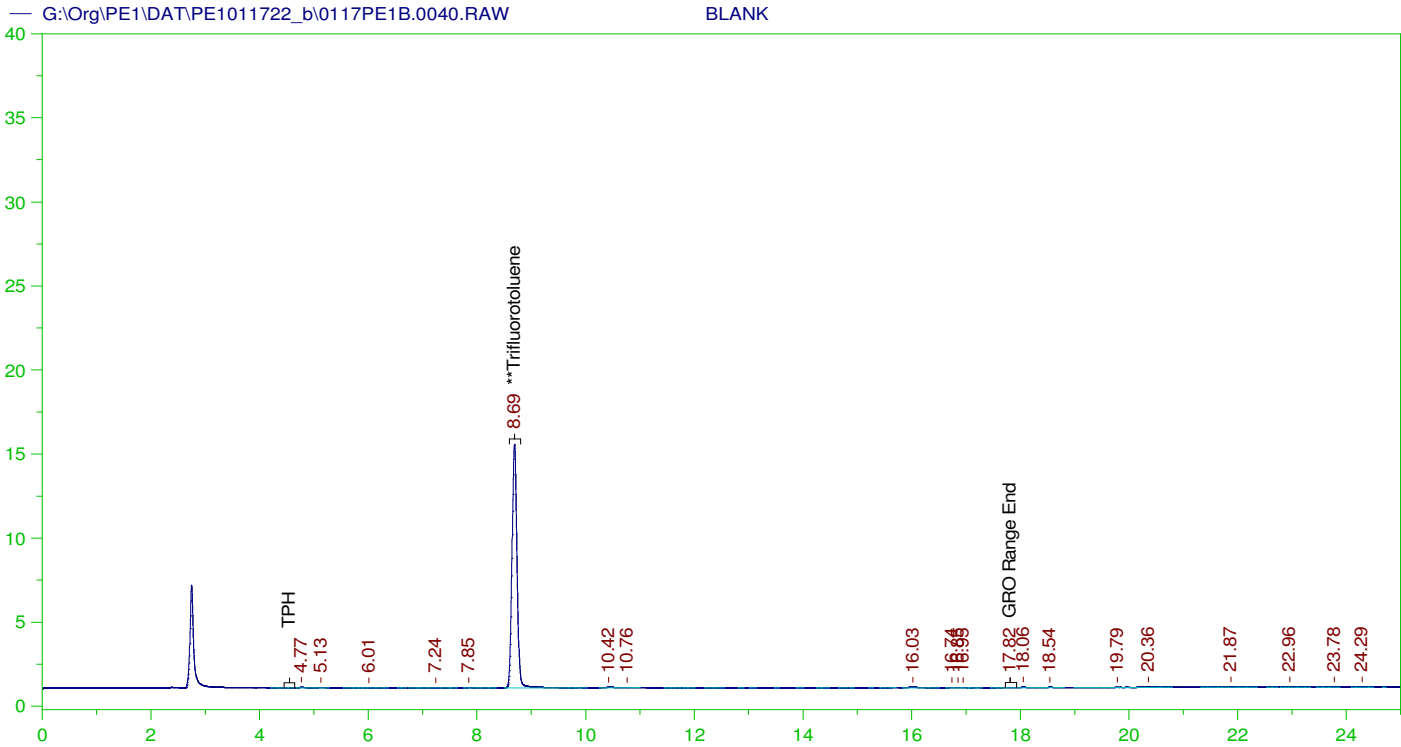
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22010977-001G ;0117PE1 , \$HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0039.RAW
Date & Time Acquired: 1/18/2022 5:16:28 AM
Method File: G:\Org\PE1\Methods\211208GROB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.691	25.	20.575	82.3

GRO Area:5740.926 GRO Amount: 1.213768
TPH Area:9713.887 TPH Amount: 2.136349



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0040.RAW
 Date & Time Acquired: 1/18/2022 5:50:49 AM
 Method File: G:\Org\PE1\Methods\211208GROB.MET
 Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
 Mean RF for TPH: 909.3915
 Rt range for Gasoline Range Organics: 4.45 to 17.93

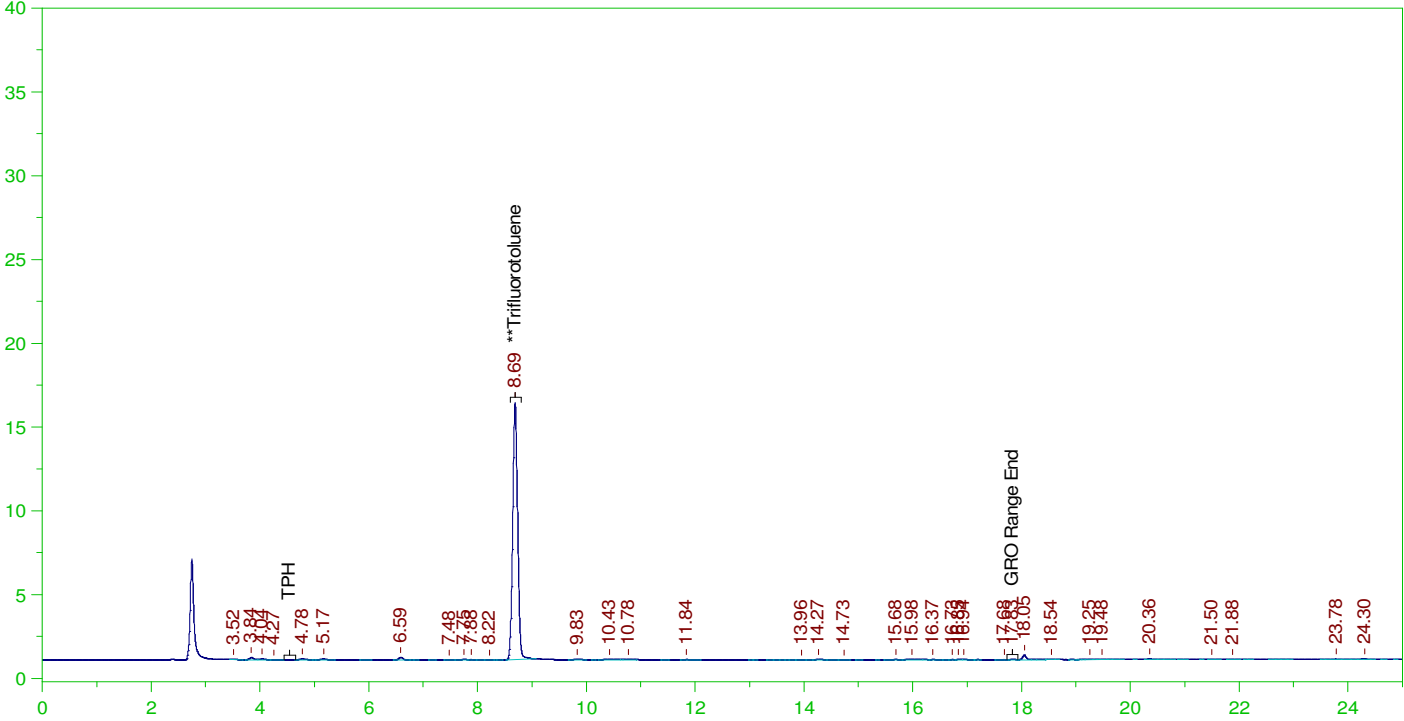
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.691	125.	98.753	79.

GRO Area: 2743.314 GRO Amount: 2.900008
 TPH Area: 4553.118 TPH Amount: 5.006774

ERH2398 (OWDFMW04A)

G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0041.RAW

B22010978-001G ;0117PE1 , \$HC-8015-GRO-W,



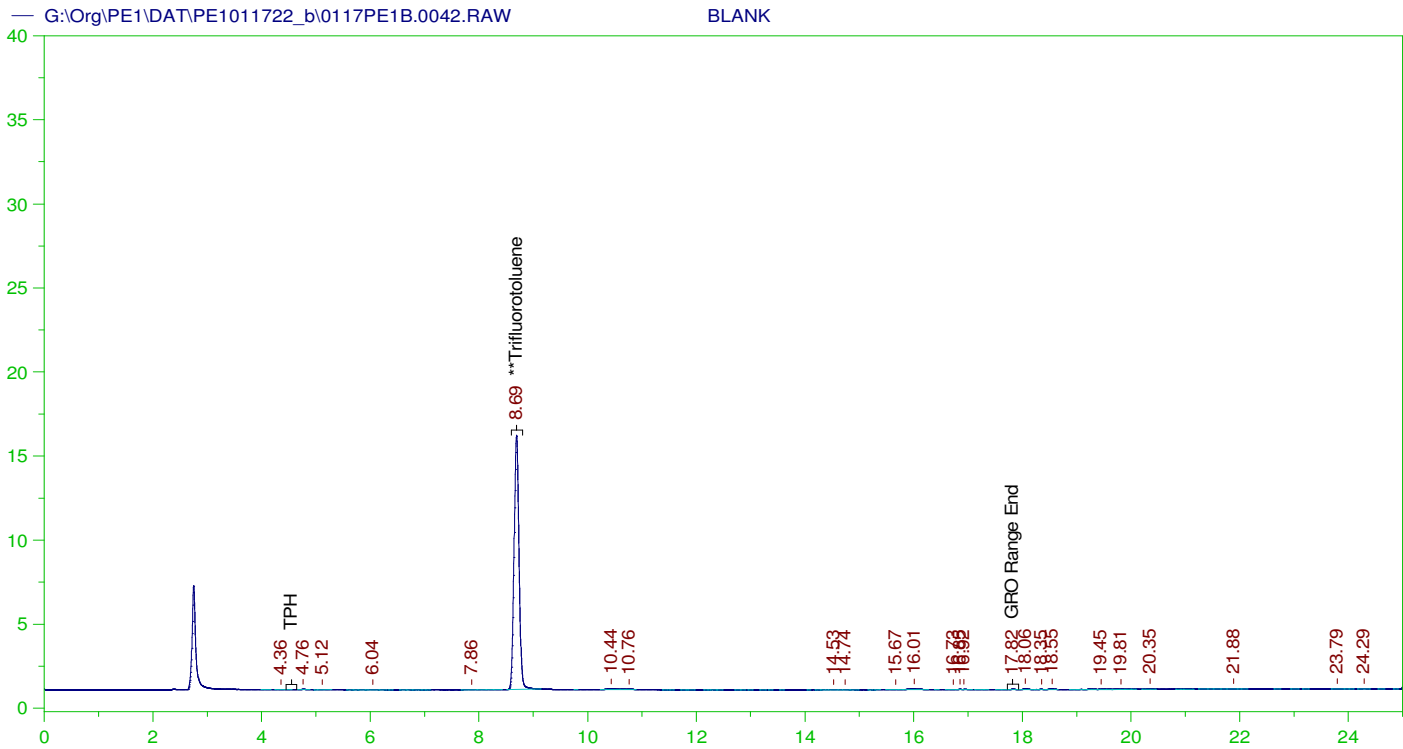
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22010978-001G ;0117PE1 , \$HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0041.RAW
Date & Time Acquired: 1/18/2022 6:25:03 AM
Method File: G:\Org\PE1\Methods\211208GROB%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.691	25.	20.645	82.58

GRO Area:5544.781 GRO Amount: 1.172298
TPH Area:9424.755 TPH Amount: 2.072761



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0042.RAW
 Date & Time Acquired: 1/18/2022 6:59:21 AM
 Method File: G:\Org\PE1\Methods\211208GROB.MET
 Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
 Mean RF for TPH: 909.3915
 Rt range for Gasoline Range Organics: 4.45 to 17.93

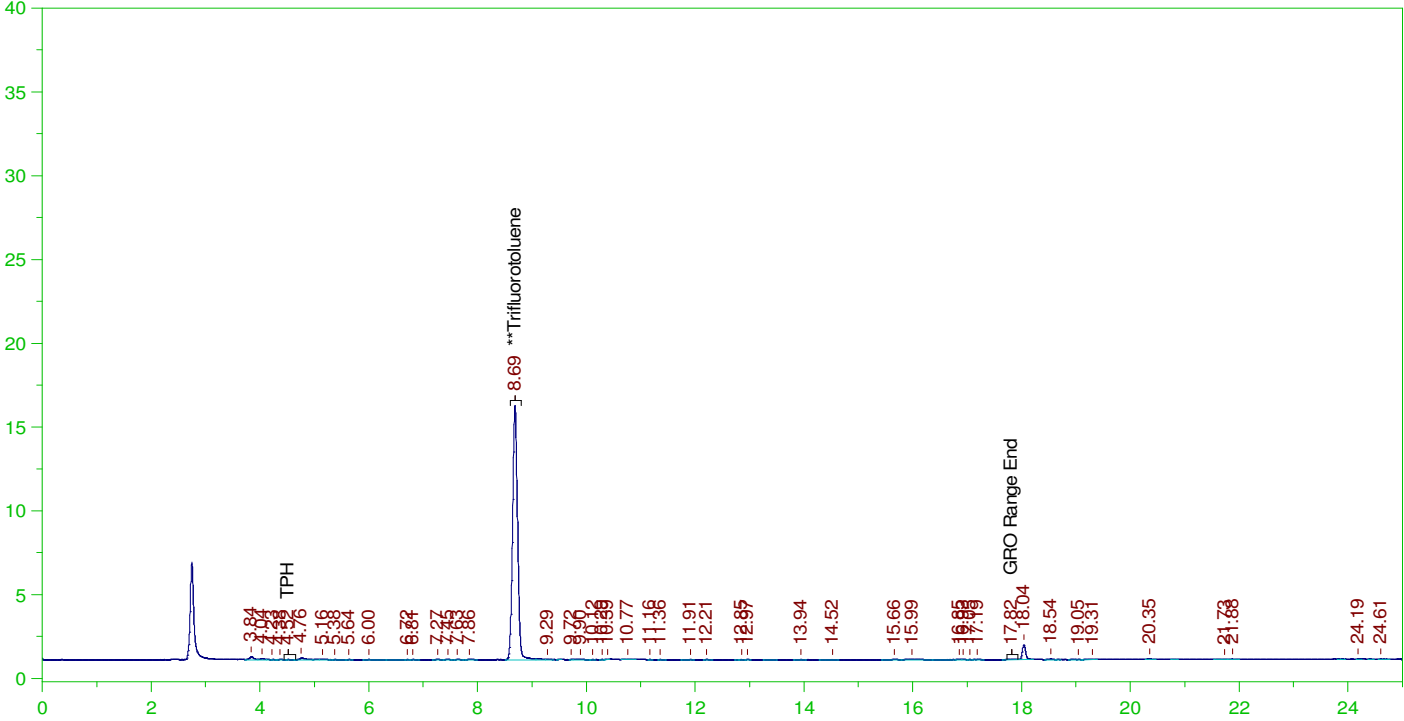
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.692	125.	102.086	81.67

GRO Area:3089.573 GRO Amount: 3.266044
 TPH Area:4852.873 TPH Amount: 5.336395

ERH2402 (OWDFMW07A)

G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0043.RAW

B22010979-001G ;0117PE1 , \$HC-8015-GRO-W,



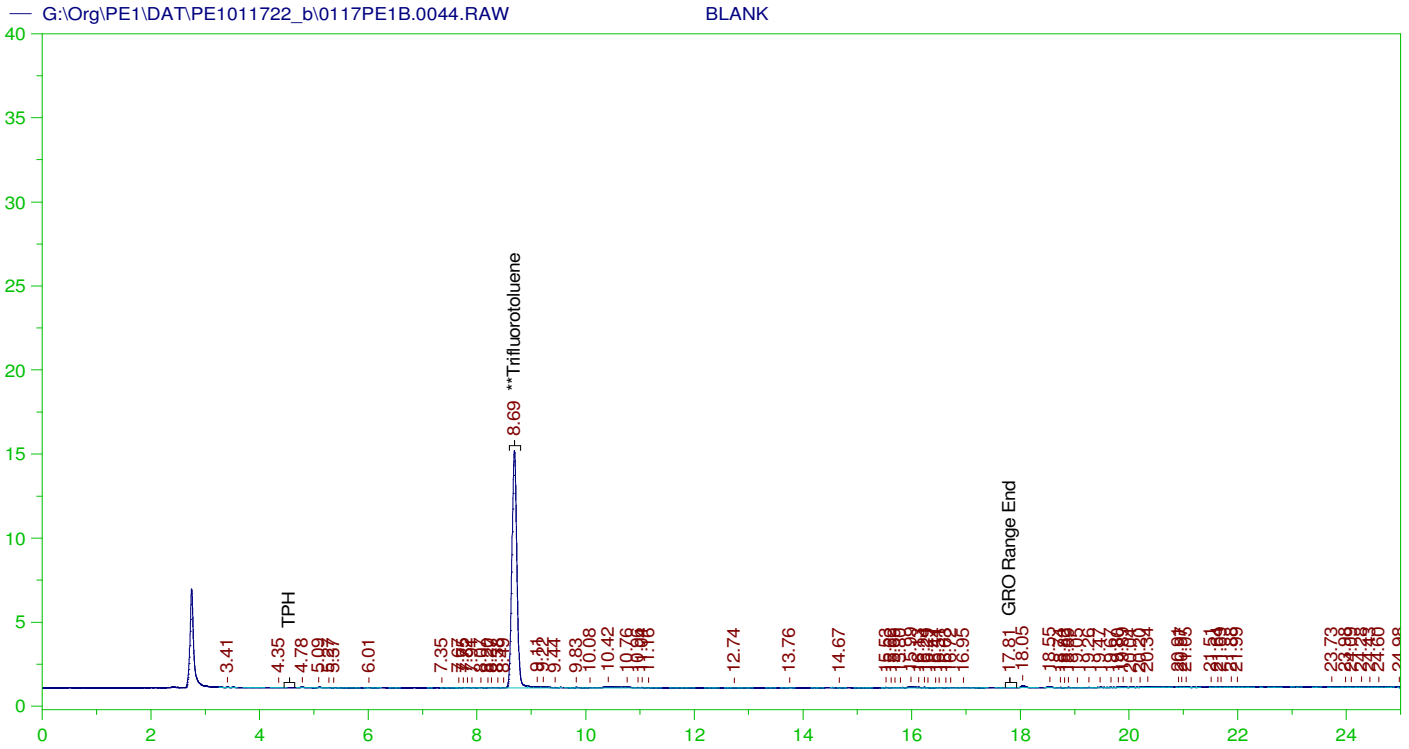
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22010979-001G ;0117PE1 , \$HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0043.RAW
Date & Time Acquired: 1/18/2022 7:33:30 AM
Method File: G:\Org\PE1\Methods\211208G979-1B%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.689	25.	20.608	82.43

GRO Area:6069.522 GRO Amount: 1.283241
TPH Area:12939.13 TPH Amount: 2.845668



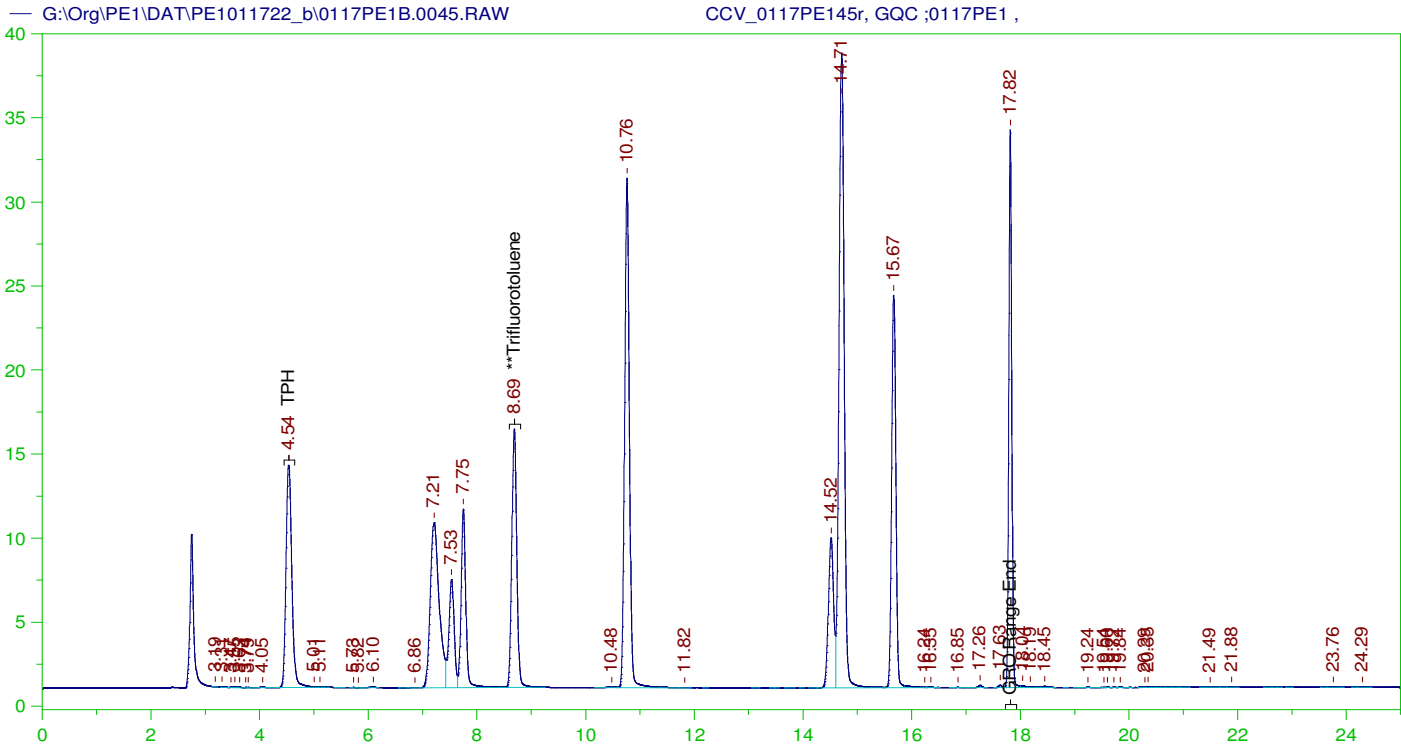
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0044.RAW
 Date & Time Acquired: 1/18/2022 8:07:41 AM
 Method File: G:\Org\PE1\Methods\211208GROB.MET
 Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
 Mean RF for TPH: 909.3915
 Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.689	125.	95.245	76.2

GRO Area: 6945.71 GRO Amount: 7.342439
 TPH Area: 11973 TPH Amount: 13.16595



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_0117PE145r, GQC ;0117PE1 ,
Raw File: G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0045.RAW
Date & Time Acquired: 1/18/2022 8:41:54 AM
Method File: G:\Org\PE1\Methods\211208GROB.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

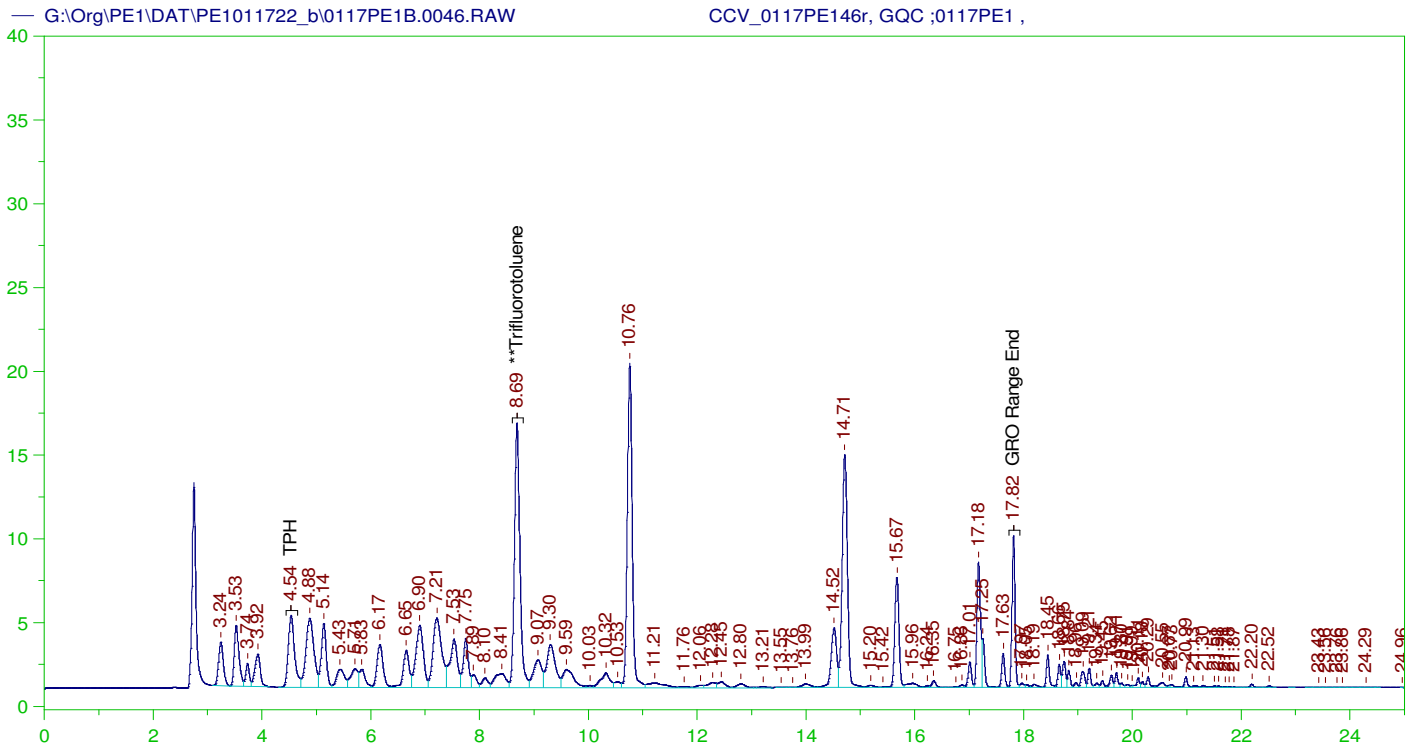
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.687	125.	103.941	83.15

GRO Area:1073413 GRO Amount: 1134.725
TPH Area:1076894 TPH Amount: 1184.192

CONTINUING CALIBRATION REPORT: G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0045.RAW

COMPOUND	ACTUAL (NG)	MEASURED (NG)	%RECOVERY	LIMITS
GRO	840.	1134.73	135.09	85-115
TPH	1000.	1184.19	118.42	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	8.687	125.	103.941	83.15	85-115



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_0117PE146r, GQC ;0117PE1 ,
 Raw File: G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0046.RAW
 Date & Time Acquired: 1/18/2022 9:16:10 AM
 Method File: G:\Org\PE1\Methods\211208GCCV0117_46B%.MET
 Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
 Mean RF for TPH: 909.3915
 Rt range for Gasoline Range Organics: 4.45 to 17.93

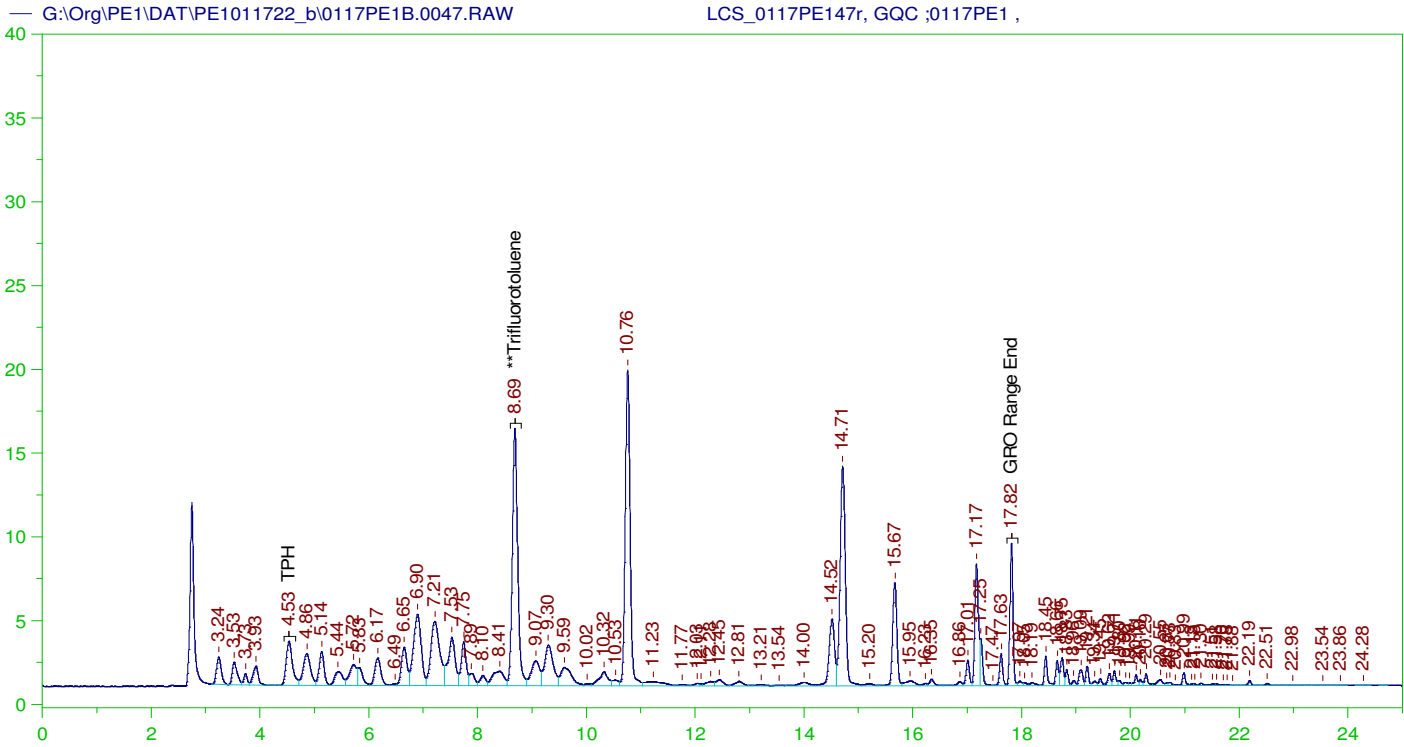
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.689	125.	117.118	93.69

GRO Area:800363.9 GRO Amount: 846.0794
 TPH Area:924133.3 TPH Amount: 1016.211

CONTINUING CALIBRATION REPORT: G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0046.RAW

COMPOUND	ACTUAL (NG)	MEASURED (NG)	%RECOVERY	LIMITS
GRO	840.	846.08	100.72	85-115
TPH	1000.	1016.21	101.62	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	8.689	125.	117.118	93.69	85-115



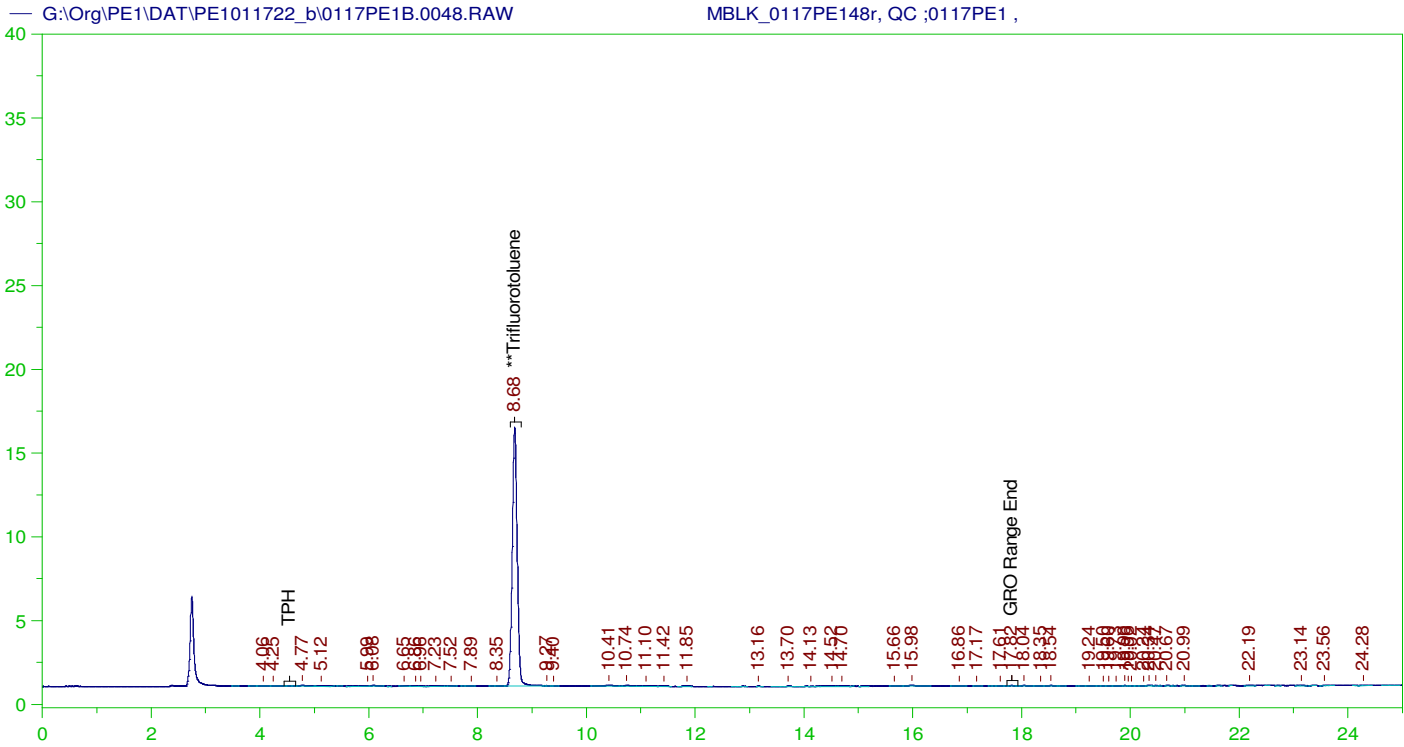
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: LCS_0117PE147r, GQC ;0117PE1 ,
 Raw File: G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0047.RAW
 Date & Time Acquired: 1/18/2022 9:50:30 AM
 Method File: G:\Org\PE1\Methods\211208GLCS0117_47B%.MET
 Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
 Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
 Mean RF for TPH: 909.3915
 Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.687	25.	22.388	89.55

GRO Area: 728986.5 GRO Amount: 154.125
 TPH Area: 828810.3 TPH Amount: 182.278



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: MBLK_0117PE148r, QC ;0117PE1 ,
 Raw File: G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0048.RAW
 Date & Time Acquired: 1/18/2022 10:24:49 AM
 Method File: G:\Org\PE1\Methods\211208GROB%.MET
 Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
 Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
 Mean RF for TPH: 909.3915
 Rt range for Gasoline Range Organics: 4.45 to 17.93

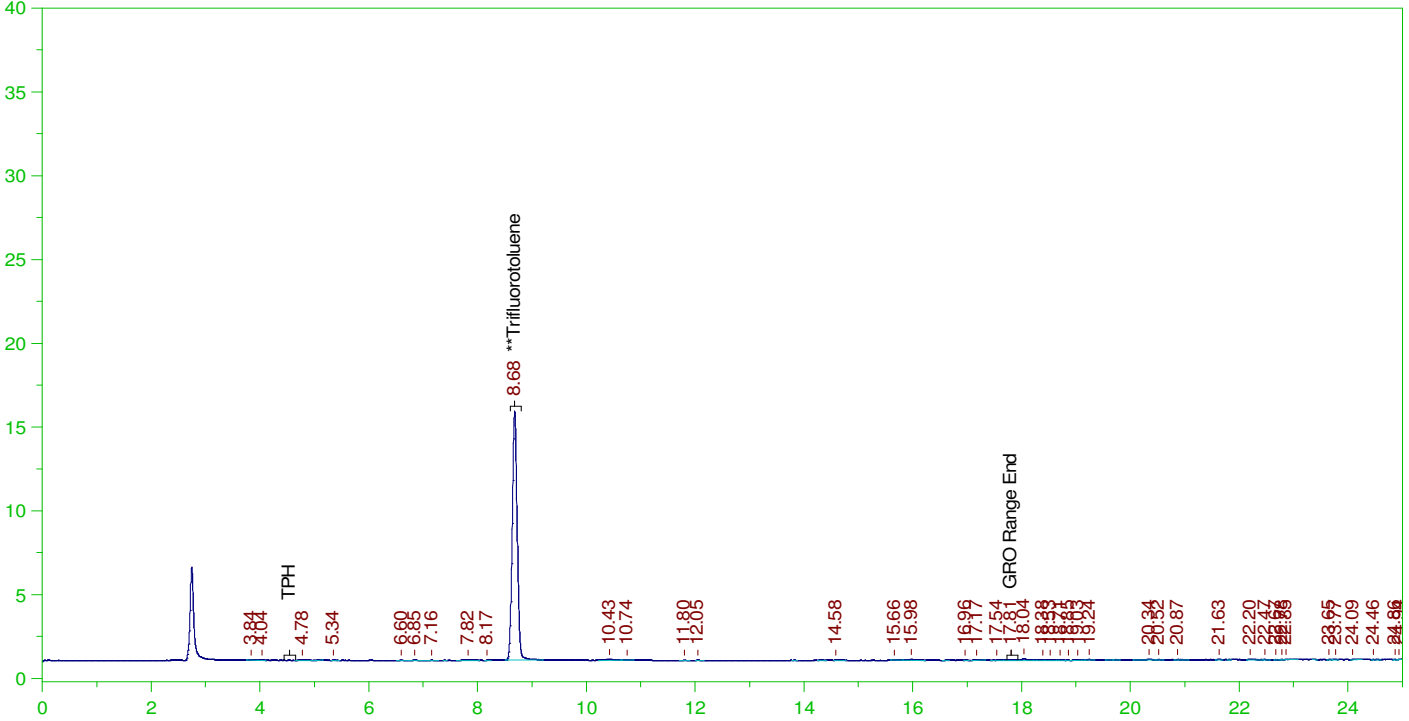
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.684	25.	20.941	83.77

GRO Area:5801.119 GRO Amount: 1.226494
 TPH Area:8836.3 TPH Amount: 1.943343

ERH2404 (OWDFMW08A)

G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0049.RAW

B22010980-001G ;0117PE1 , \$HC-8015-GRO-W,



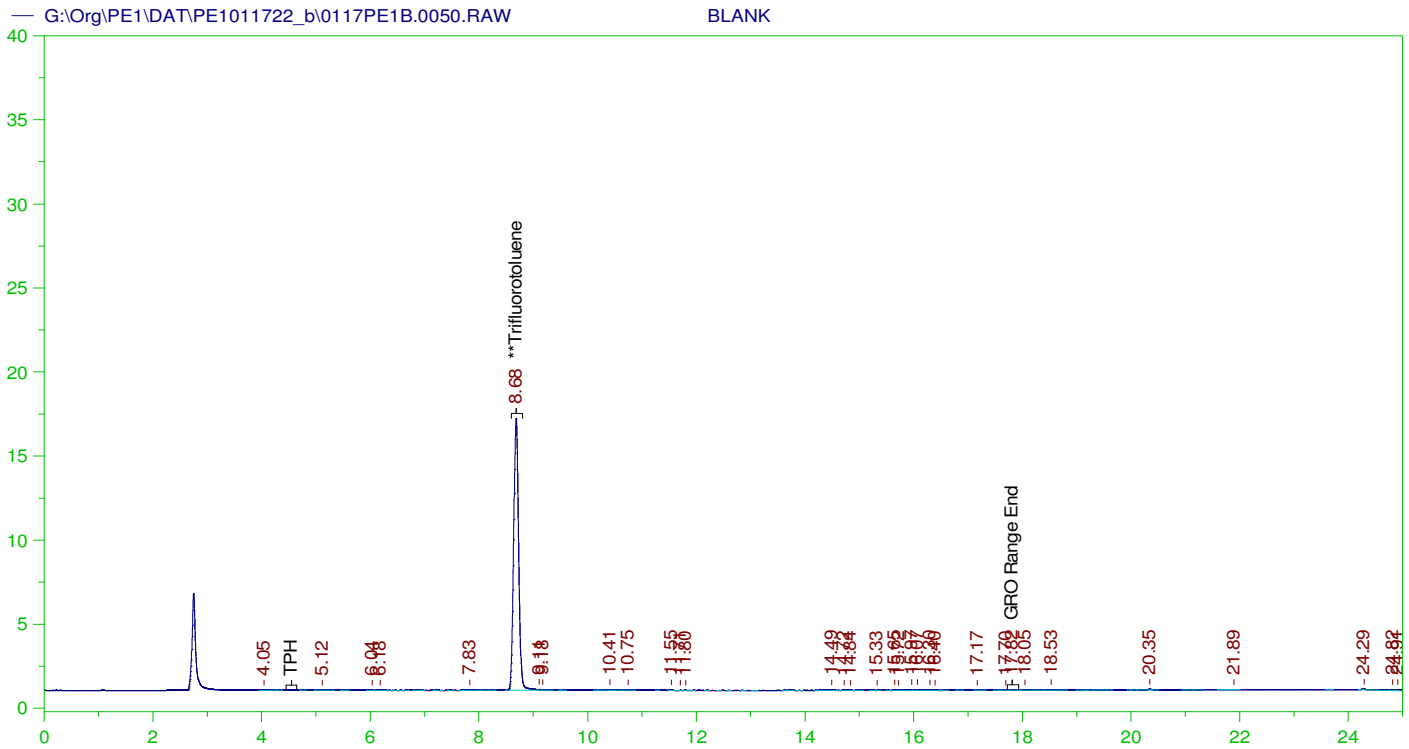
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22010980-001G ;0117PE1 , \$HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0049.RAW
Date & Time Acquired: 1/18/2022 10:59:13 AM
Method File: G:\Org\PE1\Methods\211208G980-1B%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.683	25.	20.14	80.56

GRO Area:3488.617 GRO Amount: 0.7375762
TPH Area:7523.471 TPH Amount: 1.654617



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
 Raw File: G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0050.RAW
 Date & Time Acquired: 1/18/2022 11:33:36 AM
 Method File: G:\Org\PE1\Methods\211208GROB.MET
 Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
 Mean RF for TPH: 909.3915
 Rt range for Gasoline Range Organics: 4.45 to 17.93

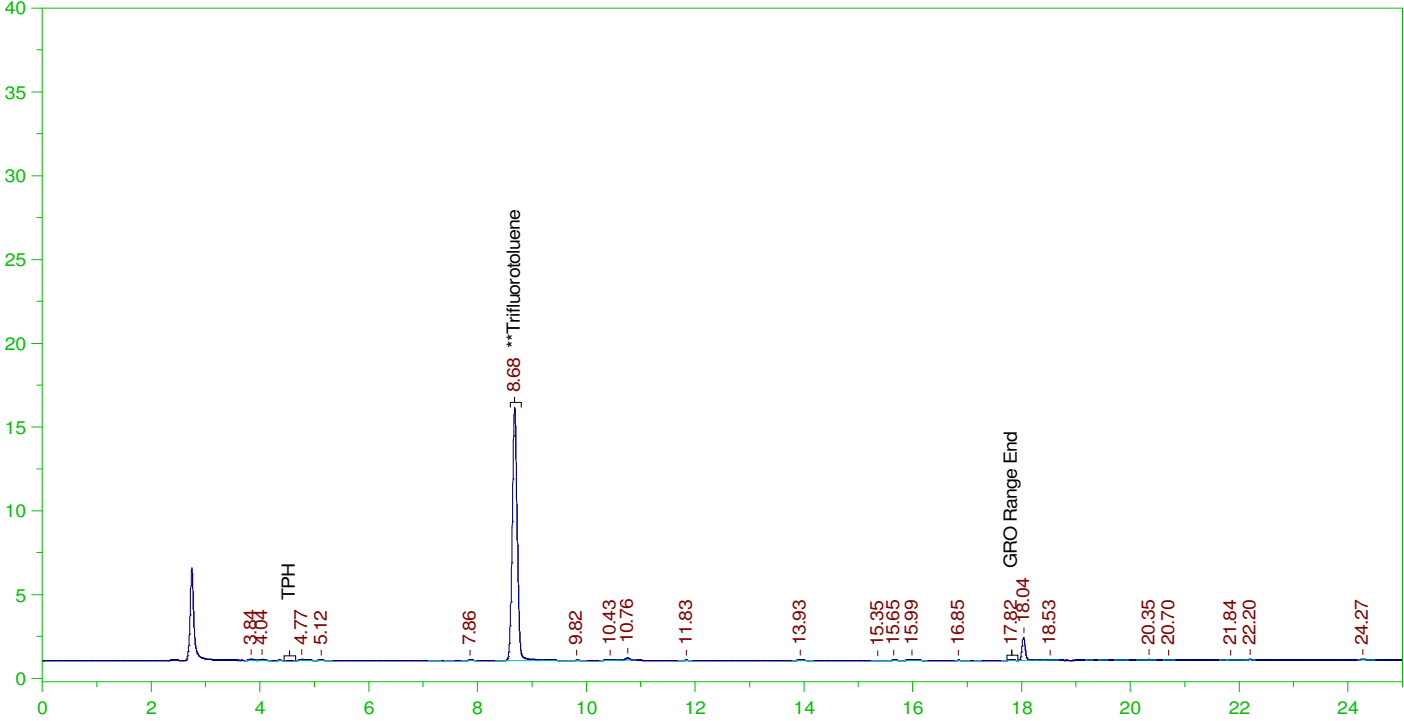
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.684	125.	109.268	87.41

GRO Area: 4478.125 GRO Amount: 4.733909
 TPH Area: 7142.112 TPH Amount: 7.853727

ERH2403 (Trip Blank) 14653

G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0051.RAW

B22010980-003A ;0117PE1 , \$HC-8015-GRO-W,



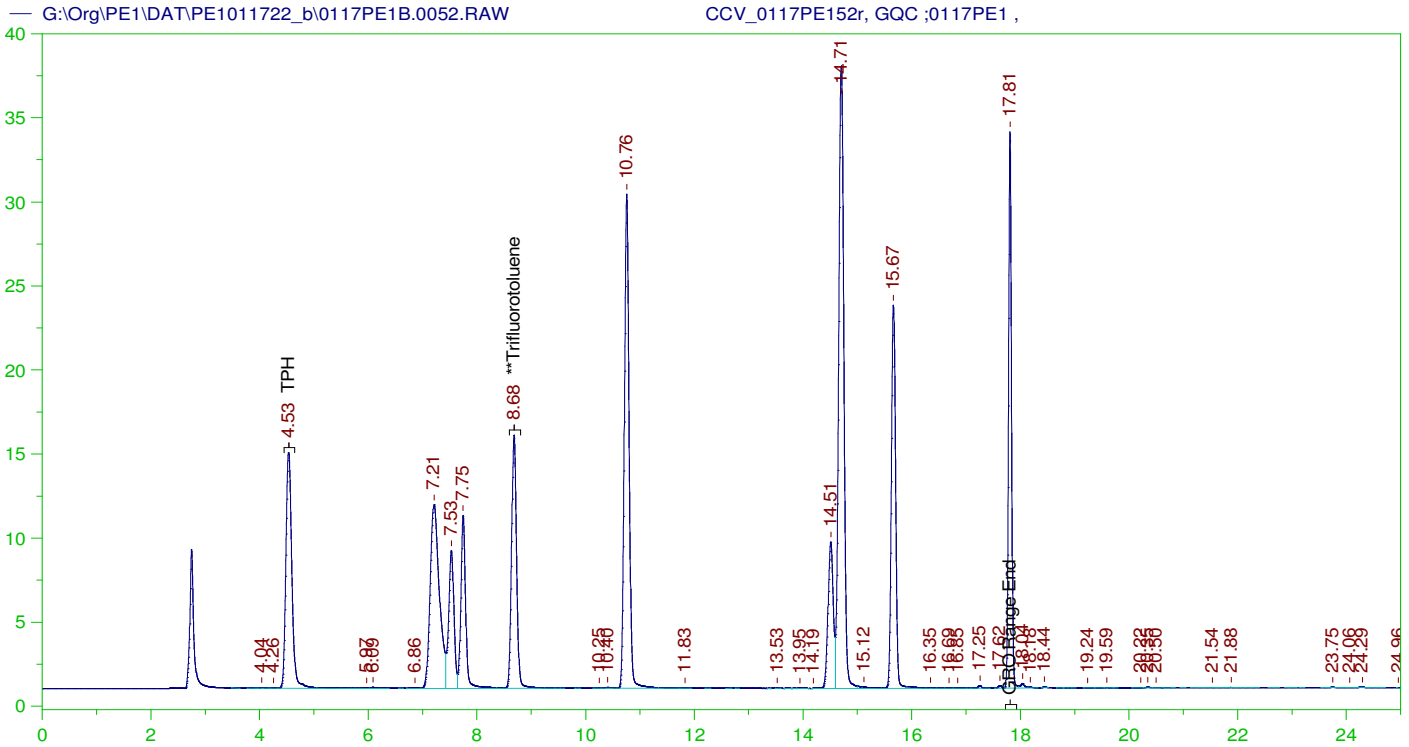
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22010980-003A ;0117PE1 , \$HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0051.RAW
Date & Time Acquired: 1/18/2022 12:08:03 PM
Method File: G:\Org\PE1\Methods\211208G980-3B%.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.683	25.	20.508	82.03

GRO Area:3438.089 GRO Amount: 0.7268934
TPH Area:10775.22 TPH Amount: 2.369764



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_0117PE152r, GQC ;0117PE1 ,
Raw File: G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0052.RAW
Date & Time Acquired: 1/18/2022 12:42:32 PM
Method File: G:\Org\PE1\Methods\211208GROB.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

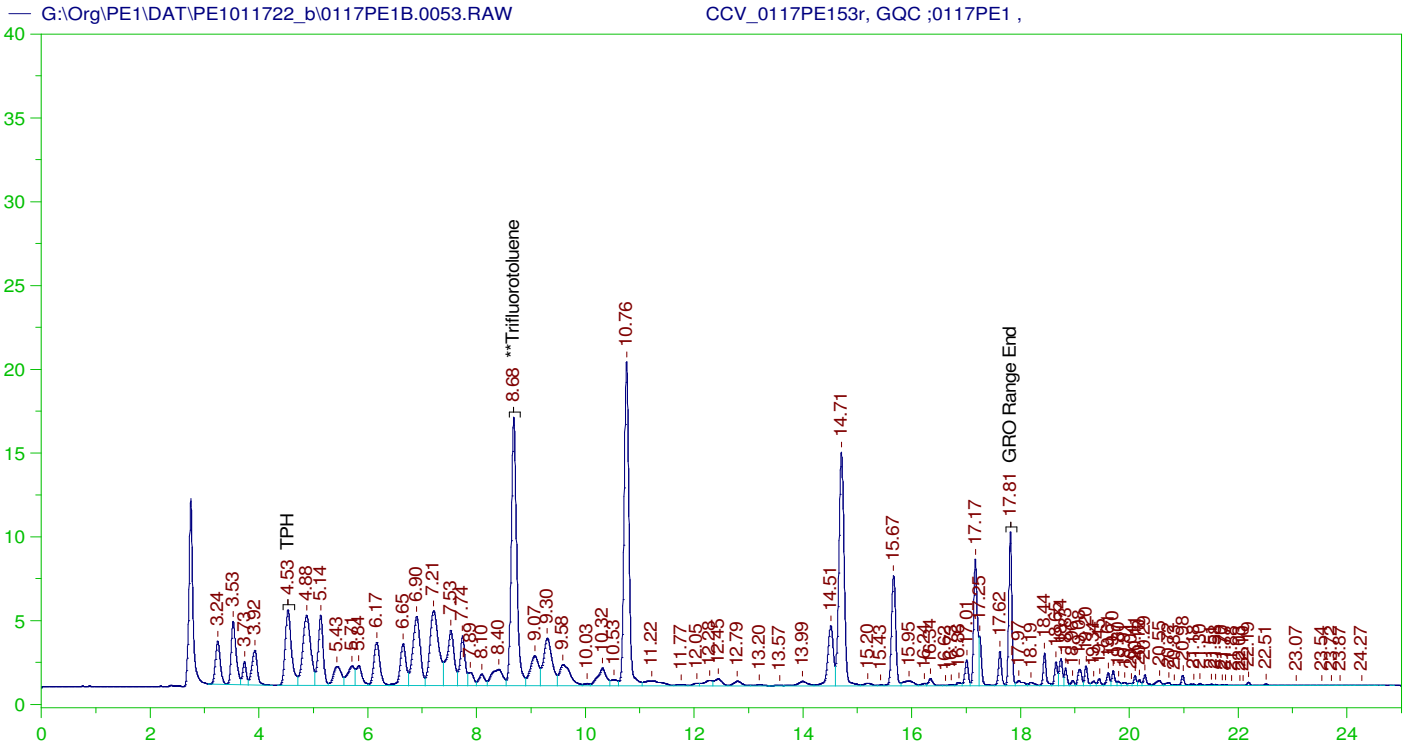
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.683	125.	102.719	82.17	-

GRO Area:1095644 GRO Amount: 1158.225
TPH Area:1099340 TPH Amount: 1208.874

CONTINUING CALIBRATION REPORT: G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0052.RAW

COMPOUND	ACTUAL (NG)	MEASURED (NG)	%RECOVERY	LIMITS
GRO	840.	1158.23	137.88	85-115
TPH	1000.	1208.87	120.89	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	8.683	125.	102.719	82.17	85-115



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_0117PE153r, GQC ;0117PE1 ,
 Raw File: G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0053.RAW
 Date & Time Acquired: 1/18/2022 1:16:49 PM
 Method File: G:\Org\PE1\Methods\211208GCCV0117_53B%.MET
 Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
 Mean RF for TPH: 909.3915
 Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
**Trifluorotoluene	8.685	125.	119.002	95.2

GRO Area:841969.3 GRO Amount: 890.0613
 TPH Area:972871.9 TPH Amount: 1069.805

CONTINUING CALIBRATION REPORT: G:\Org\PE1\DAT\PE1011722_b\0117PE1B.0053.RAW

COMPOUND	ACTUAL (NG)	MEASURED (NG)	%RECOVERY	LIMITS
GRO	840.	890.06	105.96	85-115
TPH	1000.	1069.81	106.98	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	8.685	125.	119.002	95.2	85-115

Write Sequence	Sample Name	Method	Weight	Dil Factor	Amt Inj.	IS	Cal ID	Manual Integrations
G:\Org\PE1\DAT\PE1011722_b\0117PE1.01r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1011722_b\0117PE1.02r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1011722_b\0117PE1.03r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1011722_b\0117PE1.04r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1011722_b\0117PE1.05r	CCV_0117PE105r, GQC ;0117PE1 ,	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1011722_b\0117PE1.06r	CCV_0117PE106r, GQC ;0117PE1 ,	G:\Org\PE1\Methods\21120	1	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\PE1\DAT\PE1011722_b\0117PE1.07r	LCS_0117PE107r, GQC ;0117PE1 ,	G:\Org\PE1\Methods\21120	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\PE1\DAT\PE1011722_b\0117PE1.08r	MBLK_0117PE108r, QC ;0117PE1 ,	G:\Org\PE1\Methods\21120	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1011722_b\0117PE1.09r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1011722_b\0117PE1.10r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1011722_b\0117PE1.11r	B22010971-001G ;0117PE1 , \$HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\PE1\DAT\PE1011722_b\0117PE1.12r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1011722_b\0117PE1.13r	B22010971-003A ;0117PE1 , \$HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\PE1\DAT\PE1011722_b\0117PE1.14r	B22010972-003A ;0117PE1 , \$HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\PE1\DAT\PE1011722_b\0117PE1.15r	B22010973-003A ;0117PE1 , \$HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\PE1\DAT\PE1011722_b\0117PE1.16r	B22010974-003A ;0117PE1 , \$HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\PE1\DAT\PE1011722_b\0117PE1.17r	B22010975-003A ;0117PE1 , \$HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\PE1\DAT\PE1011722_b\0117PE1.18r	B22010976-003A ;0117PE1 , \$HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0	None

G:\Org\PE1\DAT\PE1011722_b\0117PE1.19r	B22010977-003A ;0117PE1 , \$HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\PE1\DAT\PE1011722_b\0117PE1.20r	B22010978-003A ;0117PE1 , \$HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\PE1\DAT\PE1011722_b\0117PE1.21r	B22010979-003A ;0117PE1 , \$HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\PE1\DAT\PE1011722_b\0117PE1.22r	B22010971-001GMS, GQC ;0117PE1 , \$HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\PE1\DAT\PE1011722_b\0117PE1.23r	B22010971-001GMSD, GQC ;0117PE1 , \$HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\PE1\DAT\PE1011722_b\0117PE1.24r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1011722_b\0117PE1.25r	CCV_0117PE125r, GQC ;0117PE1 ,	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1011722_b\0117PE1.26r	CCV_0117PE126r, GQC ;0117PE1 ,	G:\Org\PE1\Methods\21120	1	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\PE1\DAT\PE1011722_b\0117PE1.27r	LCS_0117PE127r, GQC ;0117PE1 ,	G:\Org\PE1\Methods\21120	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\PE1\DAT\PE1011722_b\0117PE1.28r	MBLK_0117PE128r, QC ;0117PE1 ,	G:\Org\PE1\Methods\21120	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1011722_b\0117PE1.29r	B22010972-001G ;0117PE1 , \$HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1011722_b\0117PE1.30r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1011722_b\0117PE1.31r	B22010973-001G ;0117PE1 , \$HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1011722_b\0117PE1.32r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1011722_b\0117PE1.33r	B22010974-001G ;0117PE1 , \$HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1011722_b\0117PE1.34r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1011722_b\0117PE1.35r	B22010975-001G ;0117PE1 , \$HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1011722_b\0117PE1.36r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1011722_b\0117PE1.37r	B22010976-001G ;0117PE1 , \$HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\PE1\DAT\PE1011722_b\0117PE1.38r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1011722_b\0117PE1.39r	B22010977-001G ;0117PE1 , \$HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1011722_b\0117PE1.40r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None

G:\Org\PE1\DAT\PE1011722_b\0117PE1.41r	B22010978-001G ;0117PE1 , \$HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1011722_b\0117PE1.42r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1011722_b\0117PE1.43r	B22010979-001G ;0117PE1 , \$HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\PE1\DAT\PE1011722_b\0117PE1.44r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1011722_b\0117PE1.45r	CCV_0117PE145r, GQC ;0117PE1 ,	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1011722_b\0117PE1.46r	CCV_0117PE146r, GQC ;0117PE1 ,	G:\Org\PE1\Methods\21120	1	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\PE1\DAT\PE1011722_b\0117PE1.47r	LCS_0117PE147r, GQC ;0117PE1 ,	G:\Org\PE1\Methods\21120	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\PE1\DAT\PE1011722_b\0117PE1.48r	MBLK_0117PE148r, QC ;0117PE1 ,	G:\Org\PE1\Methods\21120	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1011722_b\0117PE1.49r	B22010980-001G ;0117PE1 , \$HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\PE1\DAT\PE1011722_b\0117PE1.50r	BLANK	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1011722_b\0117PE1.51r	B22010980-003A ;0117PE1 , \$HC-8015-GRO-W,	G:\Org\PE1\Methods\21120	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\PE1\DAT\PE1011722_b\0117PE1.52r	CCV_0117PE152r, GQC ;0117PE1 ,	G:\Org\PE1\Methods\21120	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1011722_b\0117PE1.53r	CCV_0117PE153r, GQC ;0117PE1 ,	G:\Org\PE1\Methods\21120	1	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons

Josie M Pickard
Chemist

Digitally signed by
Josie Pickard
Date: 2022.02.17 14:23:44 -07:00

Energy Laboratories Inc

Standard LOG

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

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

Final Volume: 1 mL

<u>Stock Source</u>		Base Units	Amount Added
GAS210122	Unleaded Gasoline Comp. Std.(2.0uL)	ug/mL	0.1 mL
<u>Analtes</u>		CAS	Conc: ug/mL

Energy Laboratories Inc

Standard LOG

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

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

Final Volume: 10 mL

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

Energy Laboratories Inc

Standard LOG

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

Type: Primary
BY: Josie Pickard
Status: New

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

Final Volume: 10 mL

Stock Source
3GAS160127 Alaska Gasoline Calibration Mix Versio

Base Units
ug/mL

Amount Added
0.5022 g

Analvtes

CAS

Conc: **ug/mL**

Energy Laboratories Inc

Standard LOG

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

Type: Neat
BY: Josie Pickard
Status: New

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

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

Final Volume: 5 mL

Stock Source

Base Units

Amount Added

Analtes

CAS

Conc: **ug/mL**

125 Market Street
New Haven, CT 06513
USA



AccuStandard[®], Inc.

Tel: (203)786-5296
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

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-ORISO-001
Rev. 011

Energy Laboratories Inc

Standard LOG

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

Type: Secondary
BY: Josie Pickard
Status: New

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

Final Volume: 1 mL

<u>Stock Source</u>		Base Units	Amount Added
TFTM211208	TFTM	ug/mL	0.1 mL
<u>Analtes</u>		CAS	Conc: ug/mL

Energy Laboratories Inc

Standard LOG

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

Type: Secondary
BY: Josie Pickard
Status: New

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

Final Volume: 1 mL

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

Energy Laboratories Inc

Standard LOG

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

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

Final Volume: 2 mL

Stock Source

TFTS210607 TFT Stock

Base Units

ug/mL

Amount Added

0.1 mL

Analtes

CAS

Conc: ug/mL

Energy Laboratories Inc

Standard LOG

Standard ID: TFST210607
Standard Name: TFT Stock
Date Prepared: 6/7/2021
Date Expires: 9/10/2029
Department: GCVOA
Vendor: Accustandard
Lot Number: 219091095
Balance ID:

Type: Primary
BY: Josie Pickard
Status: New

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

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

Final Volume: 10 mL

Stock Source

Base Units

Amount Added

Analvtes

CAS

Conc: **ug/mL**

CERTIFICATE OF ANALYSIS

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

Solvent: Methanol

Hazards: Refer to SDS for complete safety information

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



Signal Word: Danger

Certified Reference Material



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

ID #: 13921

Opened: _____

a,a,a-Trifluorotoluene

Expires: 9/10/2029

Rec'd: 6/7/2021

Energx 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

Energy Laboratories Inc

Standard LOG

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

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

Chemical / Solvent Used	BottleNo	Amt	Units	Exp
Gasoline Composite Mix	13338	5	mL	4/2/20

Final Volume: 5 mL

Stock Source

Base Units

Amount Added

Analvtes

CAS

Conc: **ug/mL**

Tosiu

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.

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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

For use in routine laboratory analysis.

Energy Laboratories Inc

Standard LOG

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

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

Final Volume: 10 mL

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

Energy Laboratories Inc

Standard LOG

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

Type: Primary
 BY: Josie Pickard
 Status: New

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

Final Volume: 10 mL

Stock Source
3GAS160127 Alaska Gasoline Calibration Mix Versio

Base Units
ug/mL

Amount Added
0.5022 g

Analvtes

CAS

Conc: **ug/mL**

Energy Laboratories Inc

Standard LOG

Standard ID: 3GAS160127
 Standard Name: Alaska Gasoline Calibration Mix Version 4/8/0 Type: Neat
 Date Prepared: 1/27/2016 BY: Josie Pickard
 Date Expires: 6/7/2023
 Department: GCVOA Status: New
 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

Chemical / Solvent Used	BottleNo	Amt	Units	Exp
Alaska Gasoline Calibration Mix Versio	8120	5	mL	6/7/2

Final Volume: 5 mL

Stock Source

Base Units

Amount Added

Analtes

CAS

Conc: **ug/mL**

125 Market Street
New Haven, CT 06513
USA



AccuStandard[®], Inc.

Tel: (203)786-5296
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-OR-010-001
Rev. 011

Energy Laboratories Inc

Standard LOG

Standard ID: TFT220106
Standard Name: TFT (1.05uL) Type: Secondary
Date Prepared: 1/6/2022 BY: Josie Pickard
Date Expires: 9/10/2029
Department: GCVOA Status: New
Vendor:
Lot Number:
Balance ID:
Comments: Final concentration : 1.0mg/mL

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

Final Volume: 2 mL

<u>Stock Source</u>		Base Units	Amount Added
TFTS210607	TFT Stock	ug/mL	0.1 mL
<u>Analtes</u>		CAS	Conc: ug/mL

Energy Laboratories Inc

Standard LOG

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

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

Final Volume: 10 mL

Stock Source

Base Units

Amount Added

Analvtes

CAS

Conc: **ug/mL**

CERTIFICATE OF ANALYSIS

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

Solvent: Methanol

Hazards: Refer to SDS for complete safety information

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



Signal Word: Danger

Certified Reference Material



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

ID #: 13921

Opened: _____

a,a,a-Trifluorotoluene

Expires: 9/10/2029

Rec'd: 6/7/2021

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

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

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

¹ Certified Analyte Concentration = Purity x Prepared Concentration.

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

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

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

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

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

Certified By: _____

Larry Decker, Organic QC Manager

Energy Laboratories Inc

Standard LOG

Standard ID: TFT220117
Standard Name: TFT (1.05uL) Type: Secondary
Date Prepared: 1/17/2022 BY: Josie Pickard
Date Expires: 9/10/2029
Department: GCVOA Status: New
Vendor:
Lot Number:
Balance ID:
Comments: Final concentration : 1.0mg/mL

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

Final Volume: 2 mL

<u>Stock Source</u>		Base Units	Amount Added
TFTS210607	TFT Stock	ug/mL	0.1 mL
<u>Analtes</u>		CAS	Conc: ug/mL

Energy Laboratories Inc

Standard LOG

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

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

Final Volume: 10 mL

Stock Source

Base Units

Amount Added

Analvtes

CAS

Conc: **ug/mL**

CERTIFICATE OF ANALYSIS

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

Solvent: Methanol

Hazards: Refer to SDS for complete safety information

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



Signal Word: Danger

Certified Reference Material



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

ID #: 13921

Opened: _____

a,a,a-Trifluorotoluene

Expires: 9/10/2029

Rec'd: 6/7/2021

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

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

¹ Certified Analyte Concentration = Purity x Prepared Concentration.

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

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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